

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143450.D
 Acq On : 19 Aug 2025 12:04
 Operator : RC/JU
 Sample : Q2873-01MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRILL CUTTING 1-3 COMPMSSD

Quant Time: Aug 19 12:36:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 18 04:40:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	124558	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	459157	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	257230	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	322762	20.000	ng	0.00
76) Chrysene-d12	14.086	240	226805	20.000	ng	0.00
86) Perylene-d12	15.574	264	281296	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	614205	85.718	ng	0.01
7) Phenol-d6	6.557	99	767574	85.002	ng	0.00
23) Nitrobenzene-d5	7.487	82	502103	64.889	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	182720	79.806	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	974033	63.691	ng	0.00
79) Terphenyl-d14	13.027	244	669799	49.609	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.816	88	154145	44.692	ng	99
3) Pyridine	3.581	79	413358	45.695	ng	97
4) n-Nitrosodimethylamine	3.522	42	218738	52.023	ng	100
6) Aniline	6.587	93	369157	30.113	ng	# 81
8) 2-Chlorophenol	6.716	128	363094	45.899	ng	99
9) Benzaldehyde	6.475	77	207612	43.218	ng	100
10) Phenol	6.575	94	459973	43.652	ng	99
11) bis(2-Chloroethyl)ether	6.657	93	353746	45.289	ng	99
12) 1,3-Dichlorobenzene	6.869	146	416195	46.967	ng	99
13) 1,4-Dichlorobenzene	6.945	146	417488	47.190	ng	99
14) 1,2-Dichlorobenzene	7.098	146	402654	47.651	ng	98
15) Benzyl Alcohol	7.063	79	319567	47.988	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.198	45	598540	44.823	ng	98
17) 2-Methylphenol	7.181	107	294416	45.615	ng	99
18) Hexachloroethane	7.439	117	140191	46.554	ng	99
19) n-Nitroso-di-n-propyla...	7.334	70	256690	45.917	ng	98
20) 3+4-Methylphenols	7.334	107	346937	44.964	ng	99
22) Acetophenone	7.328	105	481389	48.762	ng	99
24) Nitrobenzene	7.504	77	395462	48.899	ng	99
25) Isophorone	7.745	82	707087	47.745	ng	99
26) 2-Nitrophenol	7.822	139	192385	51.315	ng	99
27) 2,4-Dimethylphenol	7.857	122	282110	44.505	ng	98
28) bis(2-Chloroethoxy)met...	7.951	93	427250	46.936	ng	100
29) 2,4-Dichlorophenol	8.069	162	307783	47.631	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	332900	50.280	ng	100
31) Naphthalene	8.228	128	1023139	46.936	ng	100
32) Benzoic acid	7.981	122	163943	49.729	ng	98
33) 4-Chloroaniline	8.275	127	118964	15.119	ng	98
34) Hexachlorobutadiene	8.351	225	206112	48.819	ng	99
35) Caprolactam	8.639	113	87488	47.027	ng	97
36) 4-Chloro-3-methylphenol	8.763	107	325920	48.973	ng	99
37) 2-Methylnaphthalene	8.922	142	656872	44.705	ng	99
38) 1-Methylnaphthalene	9.022	142	671278	47.683	ng	99
40) 1,2,4,5-Tetrachloroben...	9.086	216	345821	48.206	ng	99
41) Hexachlorocyclopentadiene	9.075	237	318244	118.207	ng	98
43) 2,4,6-Trichlorophenol	9.198	196	218023	48.720	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143450.D
 Acq On : 19 Aug 2025 12:04
 Operator : RC/JU
 Sample : Q2873-01MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRILL CUTTING 1-3 COMPMSD

Quant Time: Aug 19 12:36:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 18 04:40:19 2025
 Response via : Initial Calibration

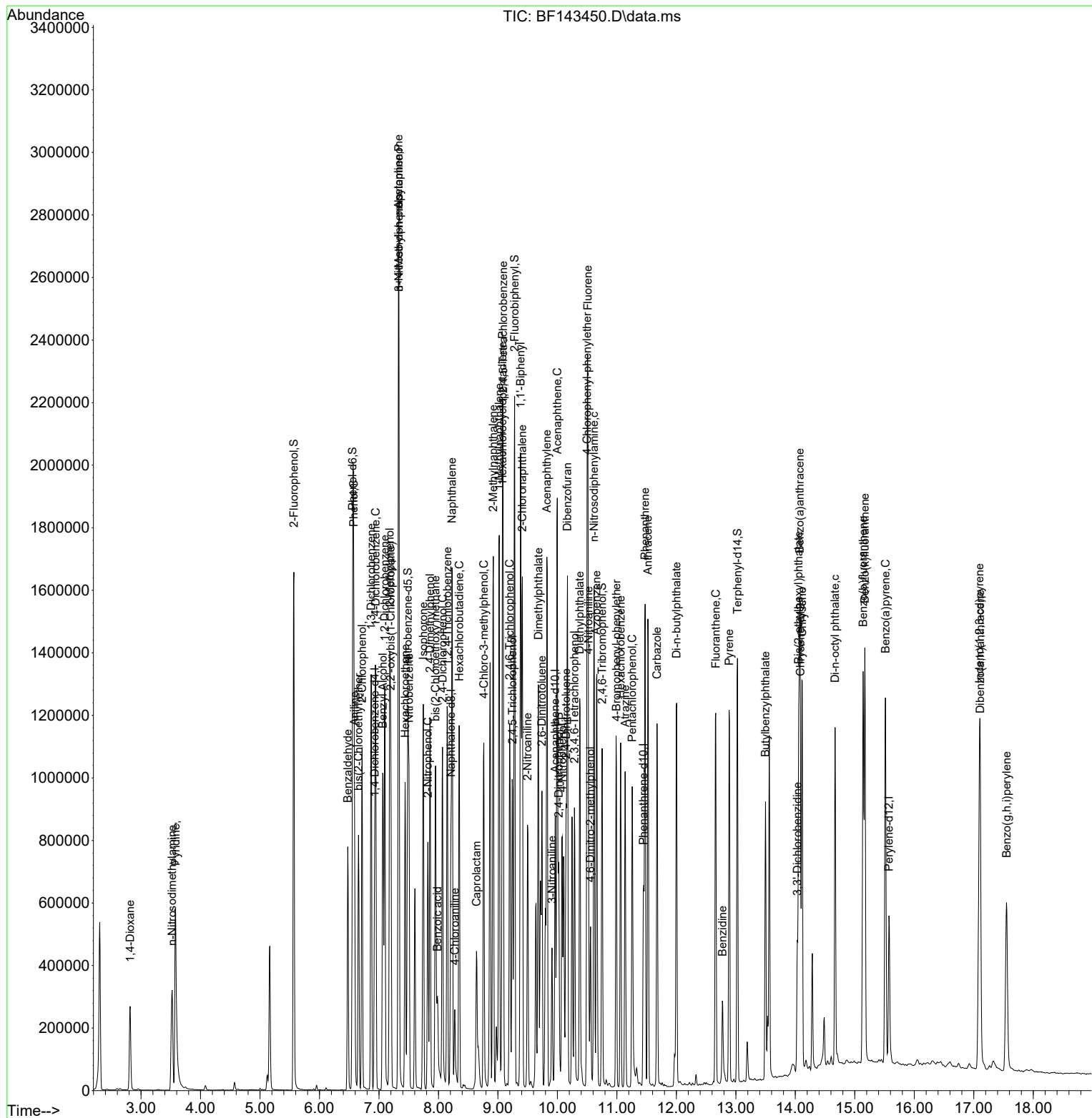
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	228826	47.703	ng	99
46) 1,1'-Biphenyl	9.381	154	880833	48.736	ng	100
47) 2-Chloronaphthalene	9.410	162	674536	47.281	ng	99
48) 2-Nitroaniline	9.498	65	201491	47.459	ng	98
49) Acenaphthylene	9.822	152	1064862	51.697	ng	100
50) Dimethylphthalate	9.681	163	778054	48.516	ng	99
51) 2,6-Dinitrotoluene	9.739	165	166259	52.590	ng	97
52) Acenaphthene	9.998	154	673086	48.585	ng	99
53) 3-Nitroaniline	9.910	138	95330	27.070	ng	98
54) 2,4-Dinitrophenol	10.022	184	137749	92.733	ng	99
55) Dibenzofuran	10.169	168	897495	44.908	ng	99
56) 4-Nitrophenol	10.080	139	194002	87.625	ng	98
57) 2,4-Dinitrotoluene	10.145	165	214017	50.776	ng	99
58) Fluorene	10.510	166	642506	41.848	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.286	232	169437	46.662	ng	98
60) Diethylphthalate	10.375	149	664812	44.860	ng	100
61) 4-Chlorophenyl-phenyle...	10.498	204	326731	43.043	ng	100
62) 4-Nitroaniline	10.522	138	128513	39.021	ng	98
63) Azobenzene	10.657	77	689523	46.034	ng	98
65) 4,6-Dinitro-2-methylph...	10.557	198	95734	57.486	ng	99
66) n-Nitrosodiphenylamine	10.616	169	552606	52.656	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	198982	52.207	ng	99
68) Hexachlorobenzene	11.063	284	206631	50.996	ng	100
69) Atrazine	11.139	200	164848	53.703	ng	99
70) Pentachlorophenol	11.257	266	192320	107.930	ng	99
71) Phenanthrene	11.475	178	836985	47.888	ng	100
72) Anthracene	11.522	178	839872	47.576	ng	100
73) Carbazole	11.674	167	666136	44.616	ng	100
74) Di-n-butylphthalate	12.004	149	880399	59.214	ng	100
75) Fluoranthene	12.663	202	701406	45.164	ng	100
77) Benzidine	12.774	184	162975	24.063	ng	99
78) Pyrene	12.886	202	699804	35.499	ng	100
80) Butylbenzylphthalate	13.498	149	276906	56.711	ng	99
81) Benzo(a)anthracene	14.074	228	687251	47.595	ng	99
82) 3,3'-Dichlorobenzidine	14.033	252	126949	30.028	ng	98
83) Chrysene	14.116	228	658665	49.341	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	384878	55.504	ng	99
85) Di-n-octyl phthalate	14.668	149	712165	50.636	ng	100
87) Indeno(1,2,3-cd)pyrene	17.098	276	700088	33.188	ng	99
88) Benzo(b)fluoranthene	15.139	252	858196	56.923	ng	99
89) Benzo(k)fluoranthene	15.168	252	686212	46.147	ng	99
90) Benzo(a)pyrene	15.515	252	733985	51.115	ng	100
91) Dibenzo(a,h)anthracene	17.109	278	568407	33.554	ng	99
92) Benzo(g,h,i)perylene	17.551	276	530004	31.319	ng	100

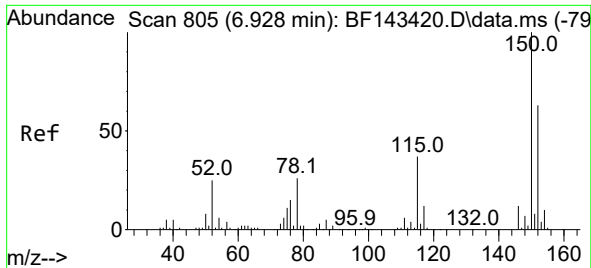
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143450.D
Acq On : 19 Aug 2025 12:04
Operator : RC/JU
Sample : Q2873-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Quant Time: Aug 19 12:36:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

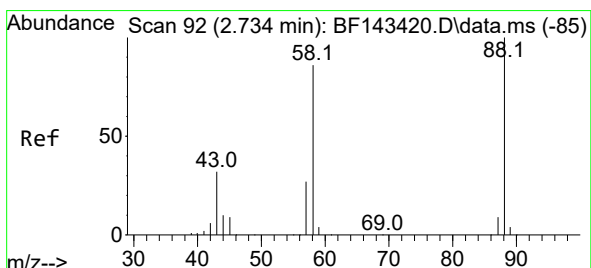
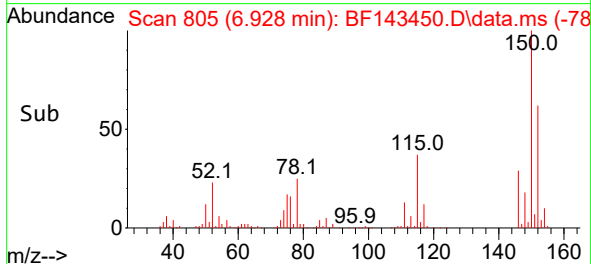
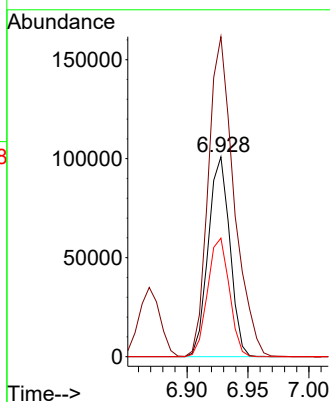
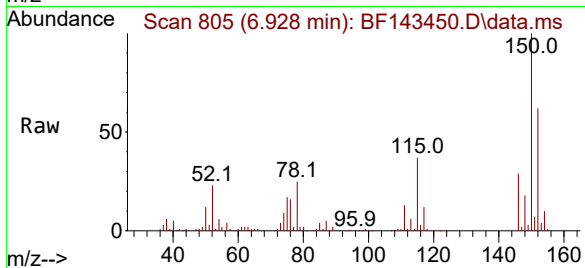




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143450.D
 Acq: 19 Aug 2025 12:04

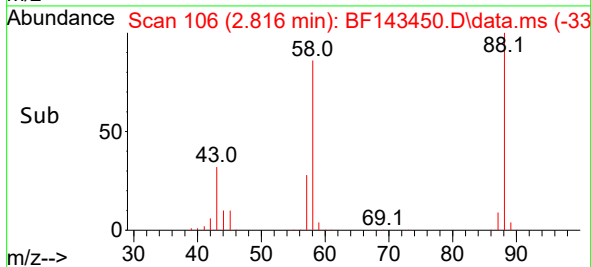
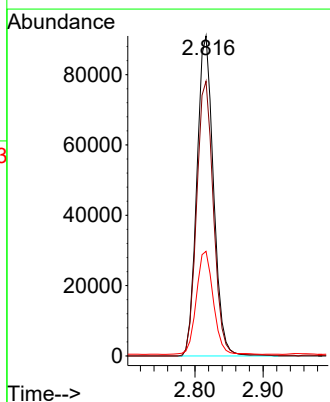
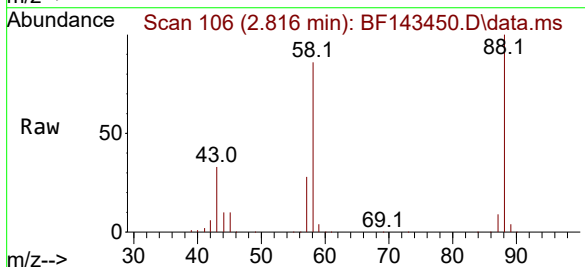
Instrument :
 BNA_F
 ClientSampleId :
 DRILL CUTTING 1-3 COMPMSD

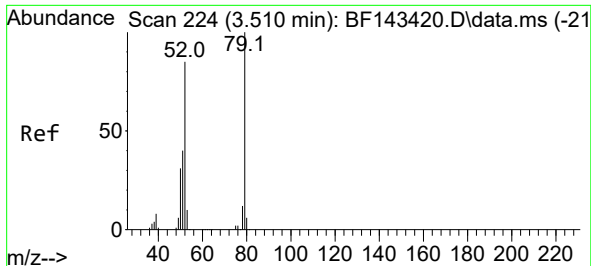
Tgt Ion:152 Resp: 124558
 Ion Ratio Lower Upper
 152 100
 150 160.1 127.4 191.2
 115 59.3 47.5 71.3



#2
 1,4-Dioxane
 Concen: 44.692 ng
 RT: 2.816 min Scan# 106
 Delta R.T. 0.082 min
 Lab File: BF143450.D
 Acq: 19 Aug 2025 12:04

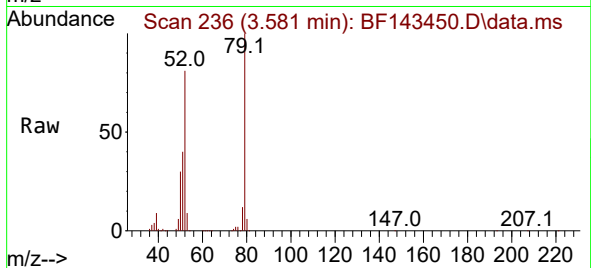
Tgt Ion: 88 Resp: 154145
 Ion Ratio Lower Upper
 88 100
 58 86.9 68.7 103.1
 43 32.7 26.1 39.1



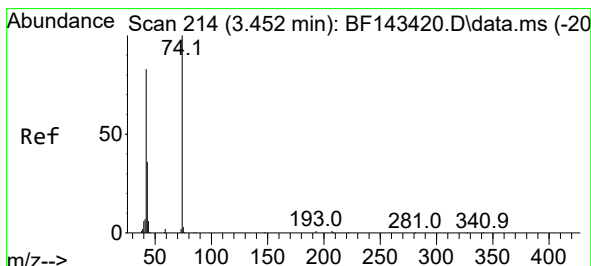
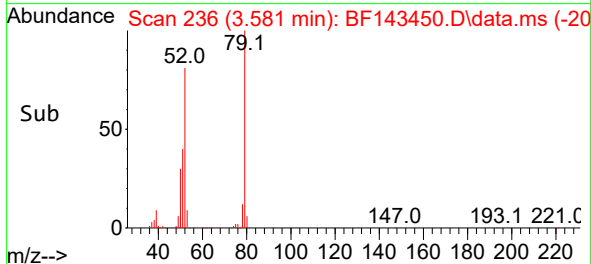
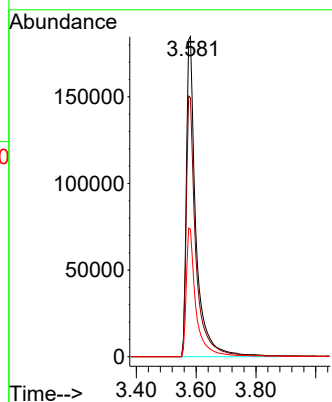


#3
Pyridine
Concen: 45.695 ng
RT: 3.581 min Scan# 21
Delta R.T. 0.070 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

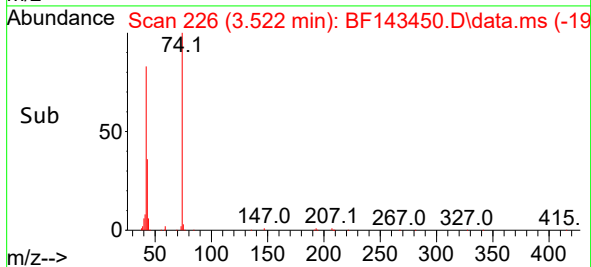
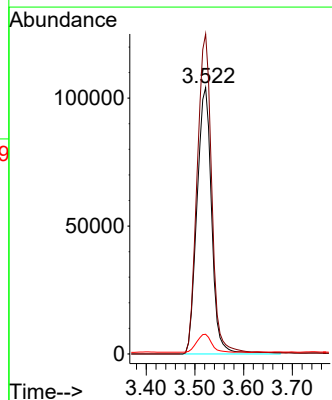
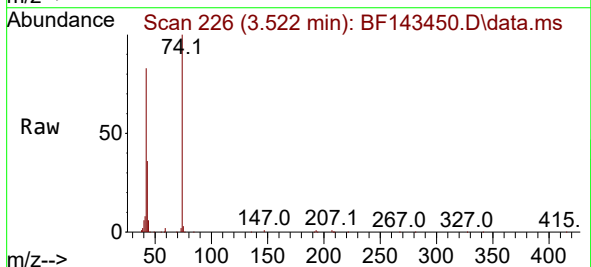


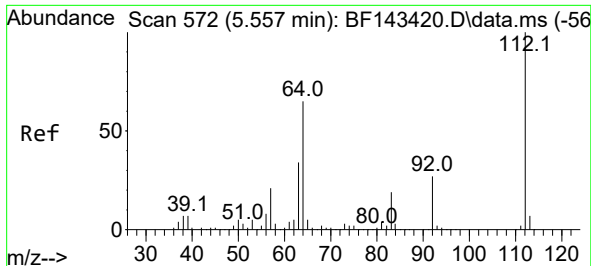
Tgt Ion: 79 Resp: 413358
Ion Ratio Lower Upper
79 100
52 80.9 67.7 101.5
51 39.8 32.3 48.5



#4
n-Nitrosodimethylamine
Concen: 52.023 ng
RT: 3.522 min Scan# 226
Delta R.T. 0.070 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion: 42 Resp: 218738
Ion Ratio Lower Upper
42 100
74 120.1 96.2 144.4
44 7.4 5.9 8.9

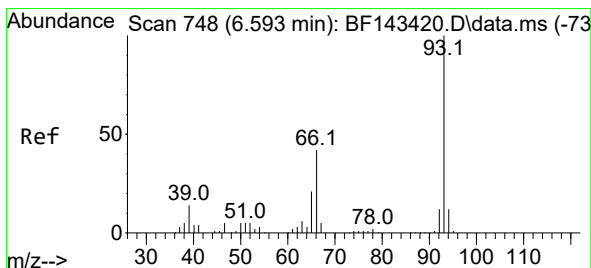
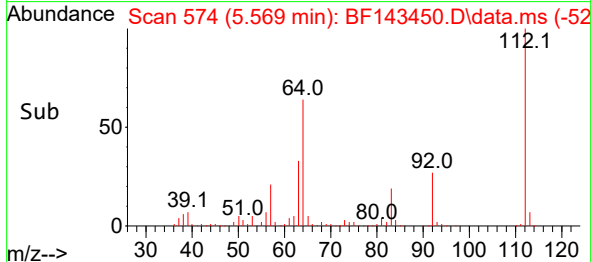
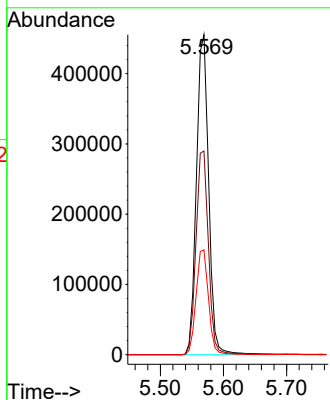
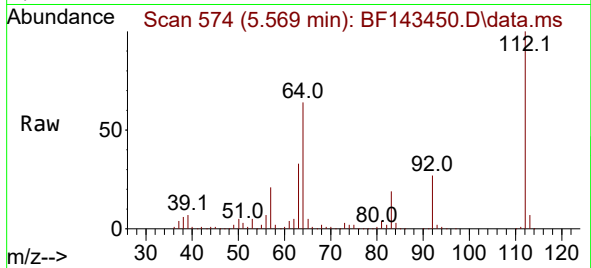




#5
2-Fluorophenol
Concen: 85.718 ng
RT: 5.569 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

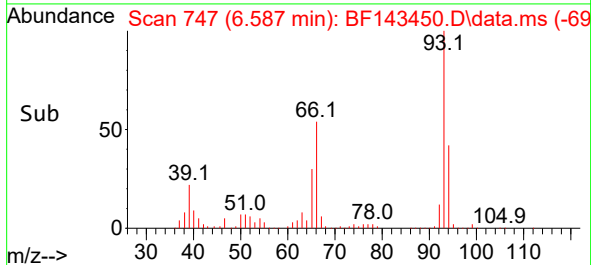
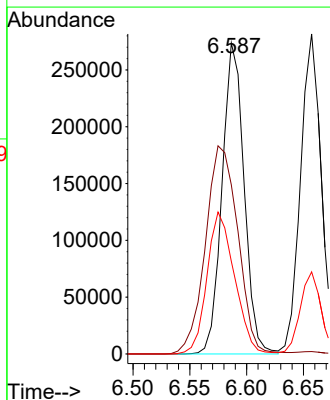
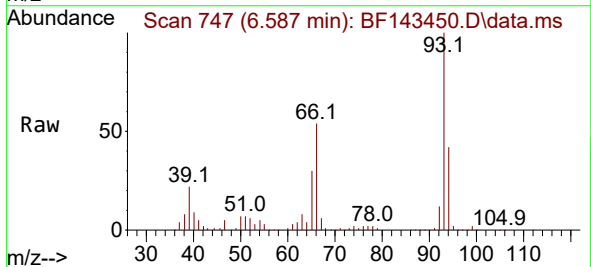
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

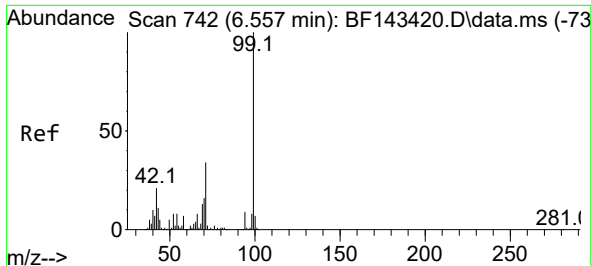
Tgt Ion:112 Resp: 614205
Ion Ratio Lower Upper
112 100
64 63.7 52.2 78.2
63 32.8 27.0 40.6



#6
Aniline
Concen: 30.113 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion: 93 Resp: 369157
Ion Ratio Lower Upper
93 100
66 54.4 33.8 50.8#
65 29.8 17.2 25.8#

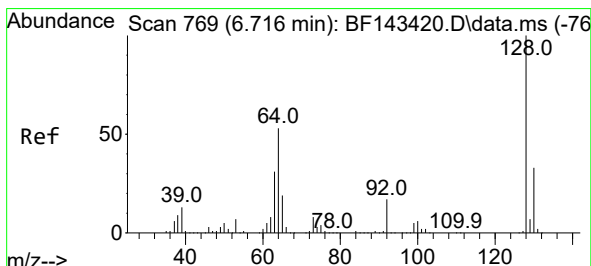
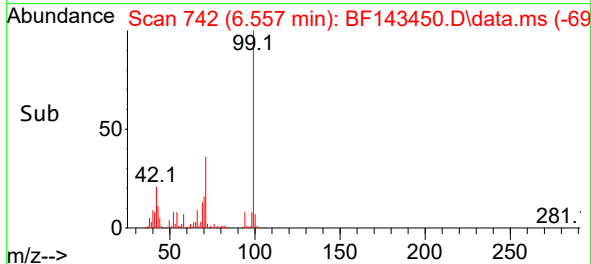
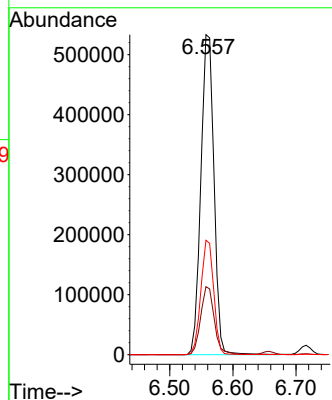
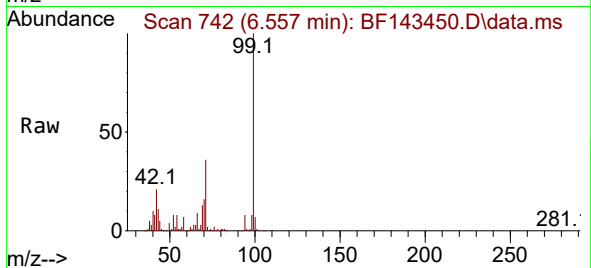




#7
Phenol-d6
Concen: 85.002 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

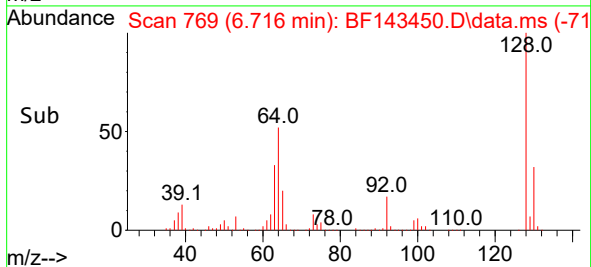
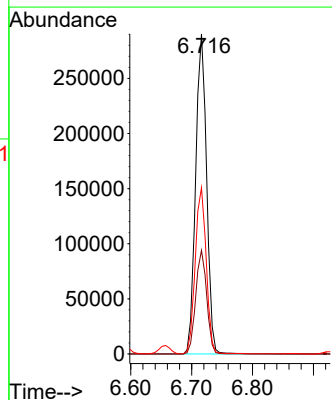
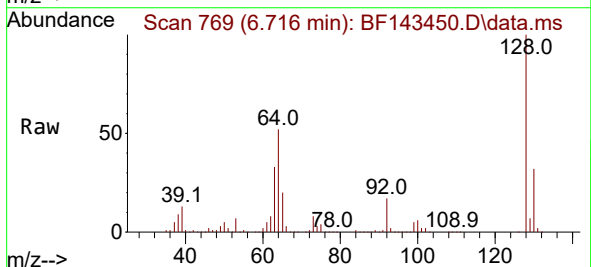
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

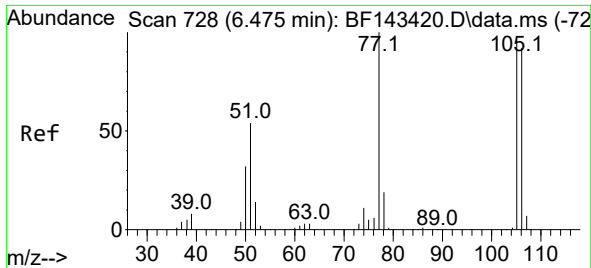
Tgt Ion: 99 Resp: 767574
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 35.8 27.4 41.2



#8
2-Chlorophenol
Concen: 45.899 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion: 128 Resp: 363094
Ion Ratio Lower Upper
128 100
130 32.4 12.9 52.9
64 52.0 33.1 73.1

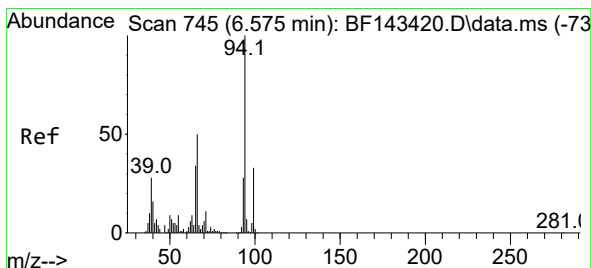
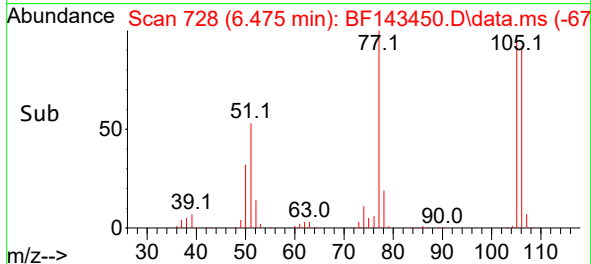
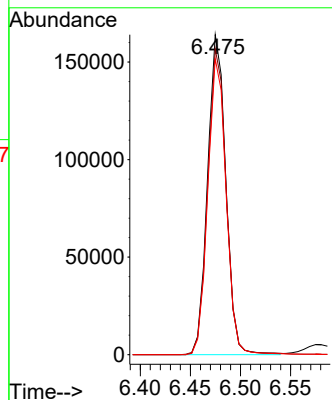
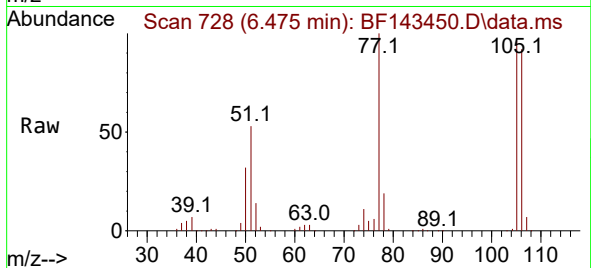




#9
Benzaldehyde
Concen: 43.218 ng
RT: 6.475 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

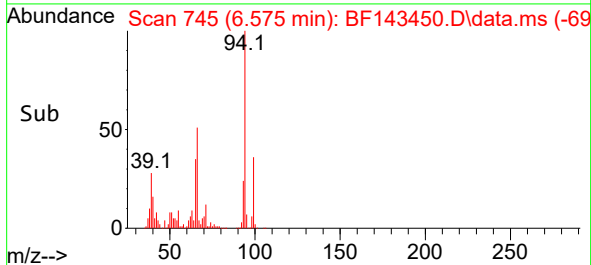
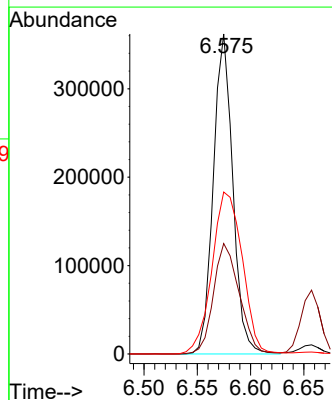
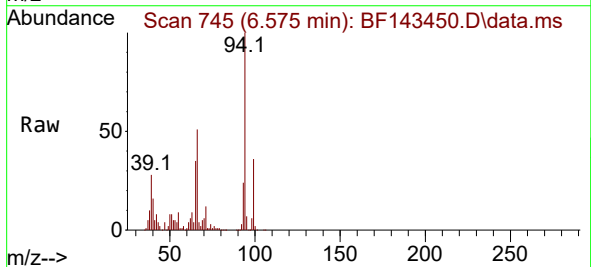
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

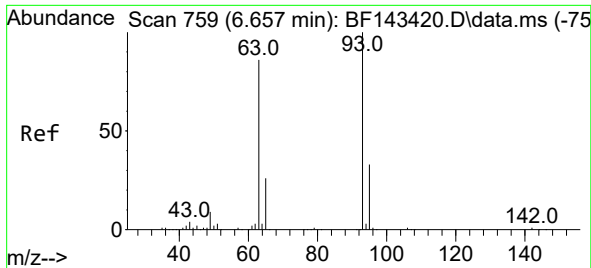
Tgt Ion: 77 Resp: 207612
Ion Ratio Lower Upper
77 100
105 95.5 75.5 115.5
106 92.4 72.0 112.0



#10
Phenol
Concen: 43.652 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion: 94 Resp: 459973
Ion Ratio Lower Upper
94 100
65 34.5 13.7 53.7
66 50.6 30.3 70.3

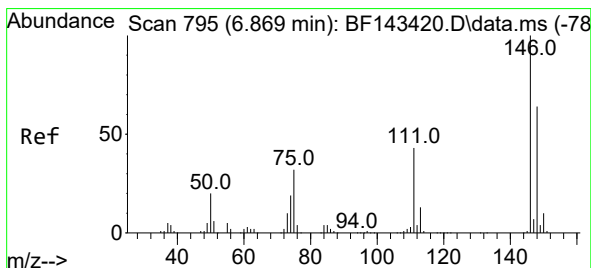
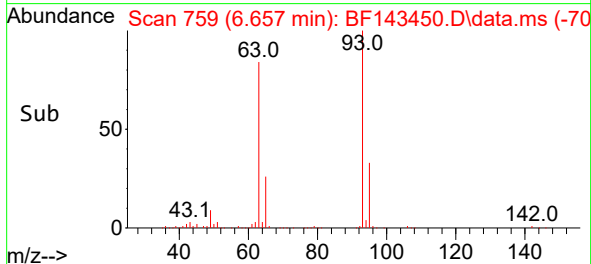
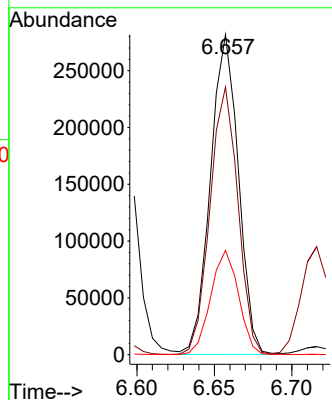
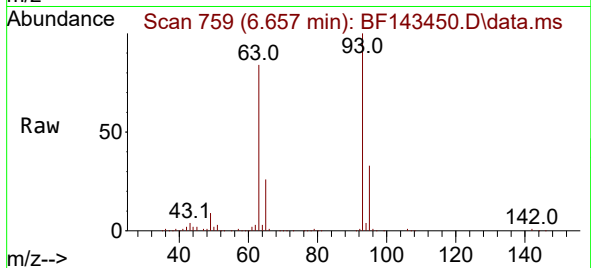




#11
bis(2-Chloroethyl)ether
Concen: 45.289 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

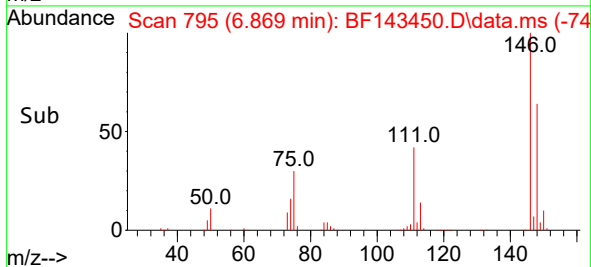
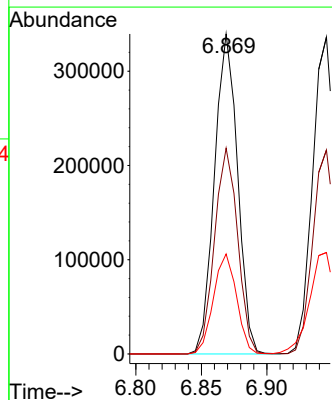
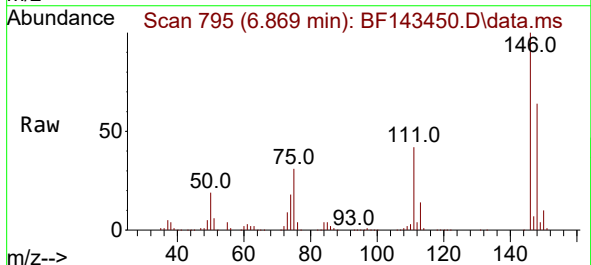
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

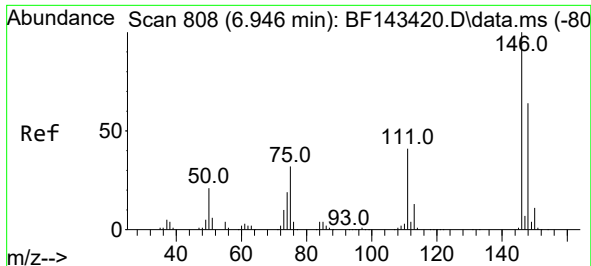
Tgt Ion: 93 Resp: 353746
Ion Ratio Lower Upper
93 100
63 83.6 65.4 105.4
95 32.6 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 46.967 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion: 146 Resp: 416195
Ion Ratio Lower Upper
146 100
148 64.3 51.0 76.4
75 31.3 25.3 37.9

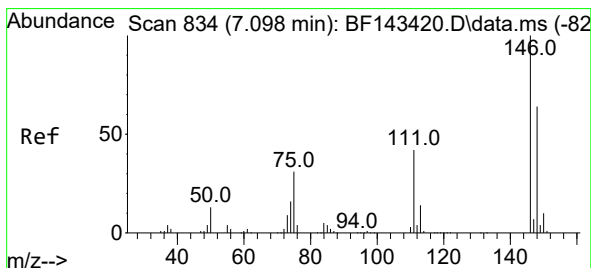
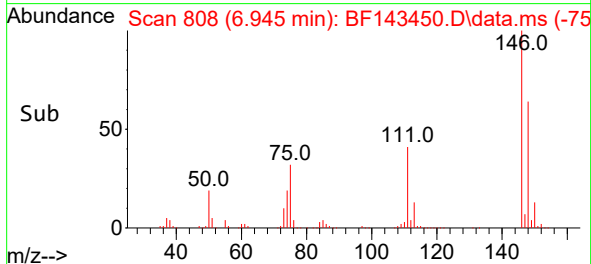
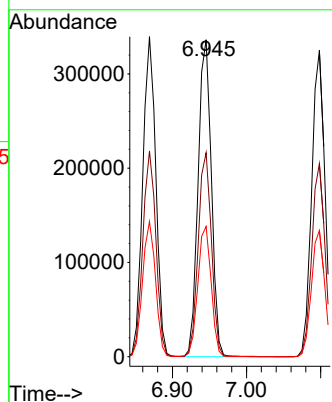
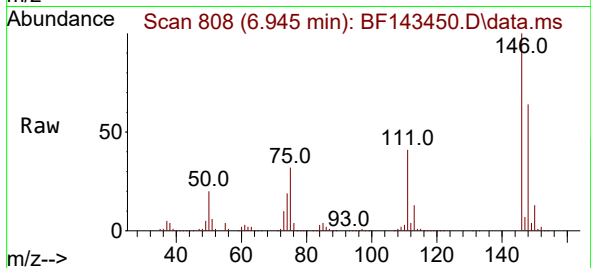




#13
1,4-Dichlorobenzene
Concen: 47.190 ng
RT: 6.945 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

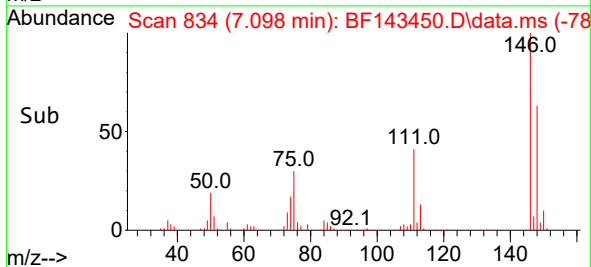
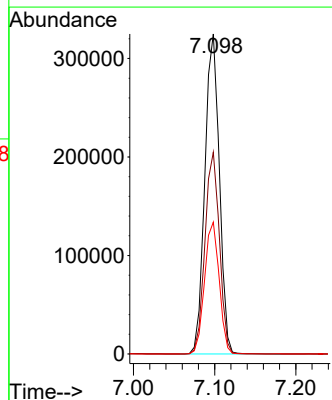
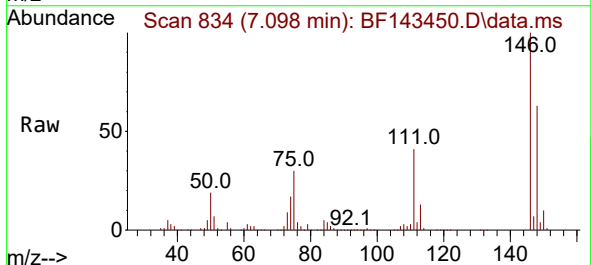
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

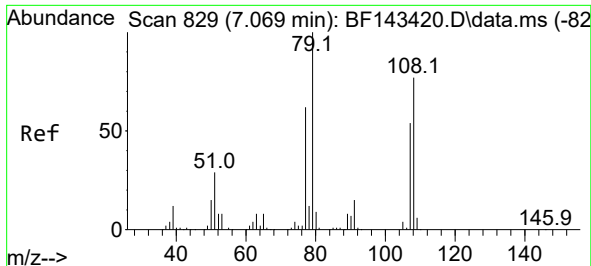
Tgt Ion:146 Resp: 417488
Ion Ratio Lower Upper
146 100
148 64.4 51.1 76.7
111 41.1 32.5 48.7



#14
1,2-Dichlorobenzene
Concen: 47.651 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:146 Resp: 402654
Ion Ratio Lower Upper
146 100
148 63.0 51.4 77.0
111 41.2 33.9 50.9

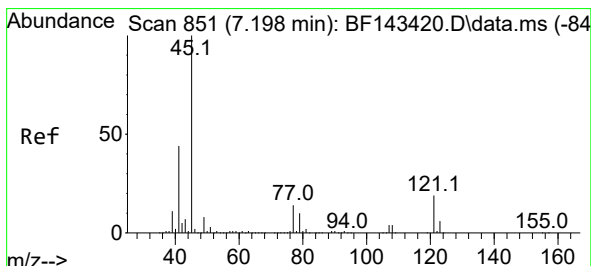
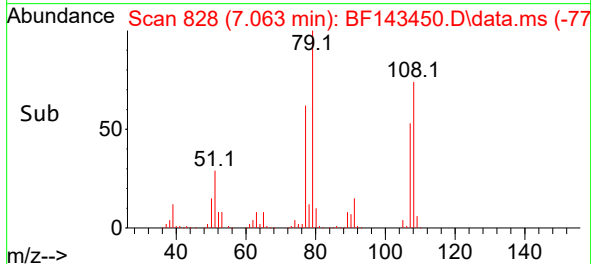
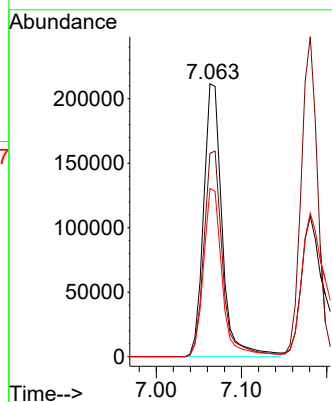
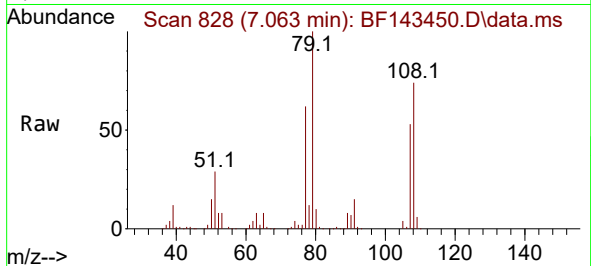




#15
Benzyl Alcohol
Concen: 47.988 ng
RT: 7.063 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

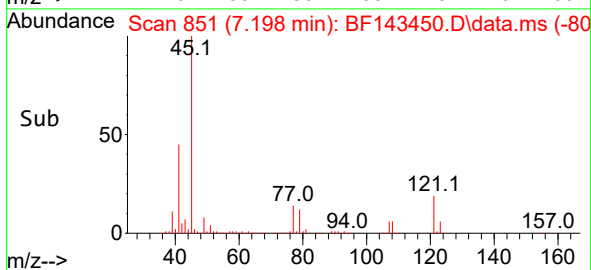
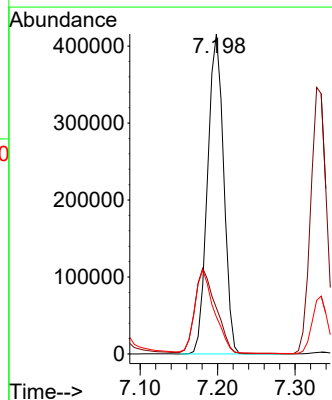
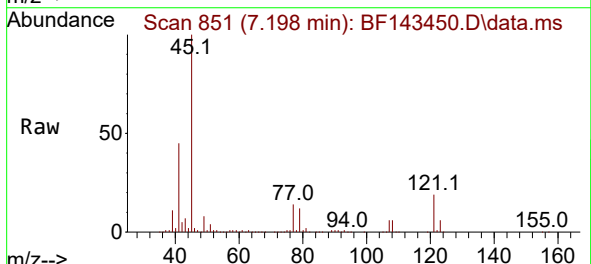
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

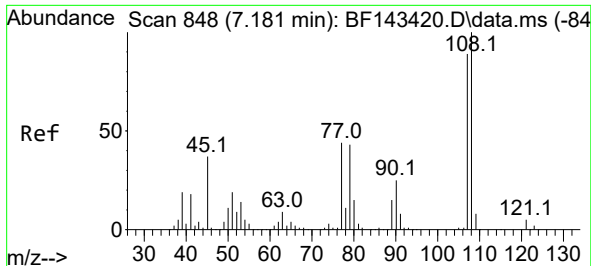
Tgt Ion: 79 Resp: 319567
Ion Ratio Lower Upper
79 100
108 74.5 61.9 92.9
77 61.6 49.2 73.8



#16
2,2'-oxybis(1-chloropropane)
Concen: 44.823 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion: 45 Resp: 598540
Ion Ratio Lower Upper
45 100
77 14.4 0.0 33.9
79 11.6 0.0 30.7

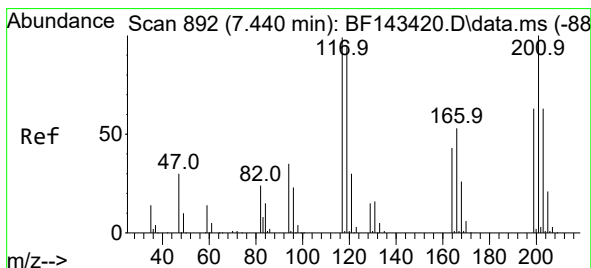
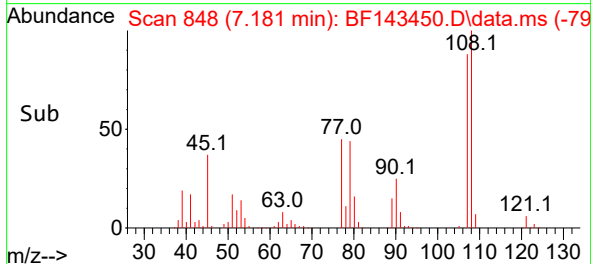
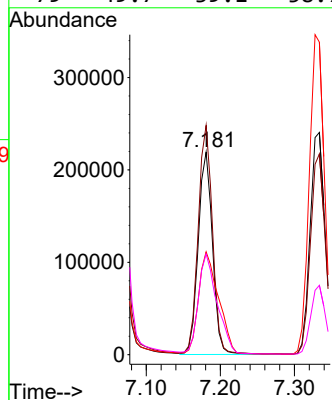
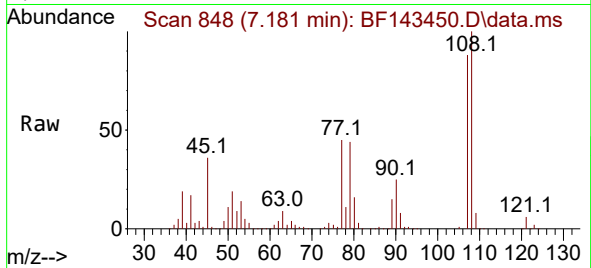




#17
2-Methylphenol
Concen: 45.615 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

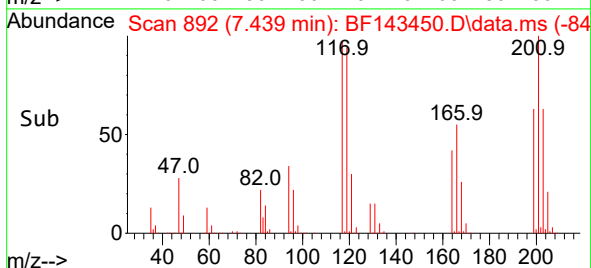
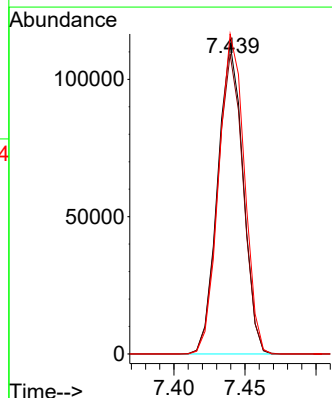
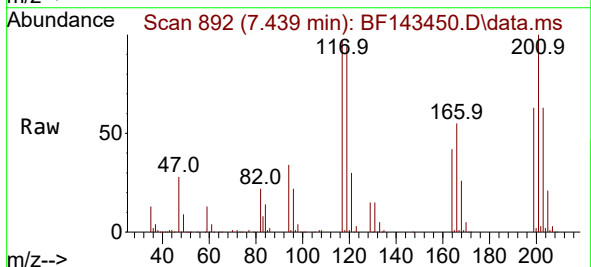
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

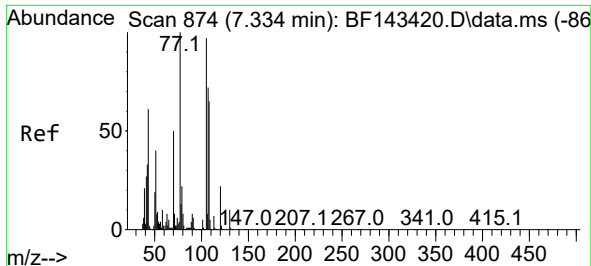
Tgt Ion:107 Resp: 294416
Ion Ratio Lower Upper
107 100
108 113.2 90.1 135.1
77 50.8 39.9 59.9
79 49.7 39.1 58.7



#18
Hexachloroethane
Concen: 46.554 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:117 Resp: 140191
Ion Ratio Lower Upper
117 100
119 96.4 76.6 114.8
201 103.0 81.0 121.4





#19

n-Nitroso-di-n-propylamine

Concen: 45.917 ng

RT: 7.334 min Scan# 874

Delta R.T. -0.000 min

Lab File: BF143450.D

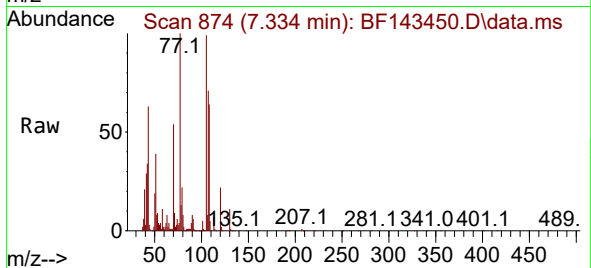
Acq: 19 Aug 2025 12:04

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD



Tgt Ion: 70 Resp: 256690

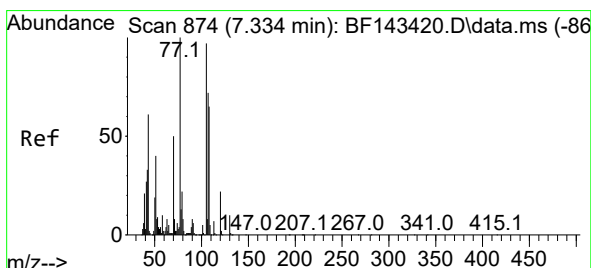
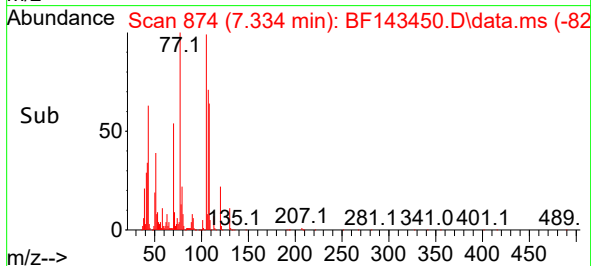
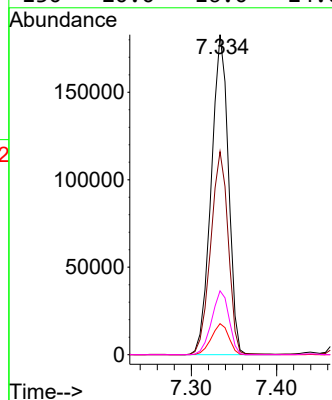
Ion Ratio Lower Upper

70 100

42 63.5 52.5 78.7

101 9.7 7.9 11.9

130 20.0 16.0 24.0



#20

3+4-Methylphenols

Concen: 44.964 ng

RT: 7.334 min Scan# 874

Delta R.T. -0.000 min

Lab File: BF143450.D

Acq: 19 Aug 2025 12:04

Tgt Ion: 107 Resp: 346937

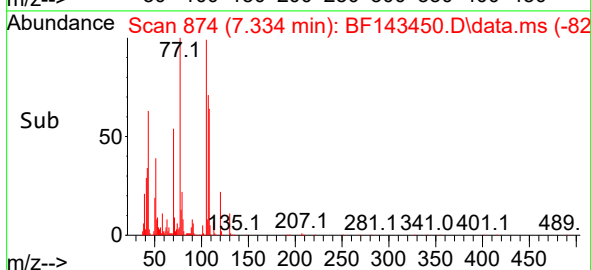
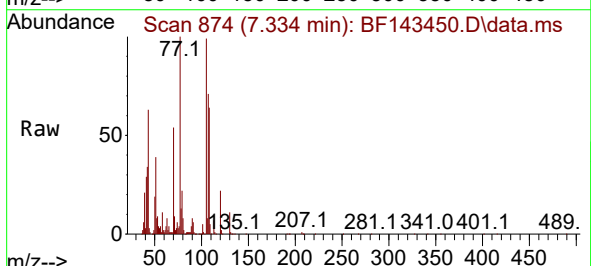
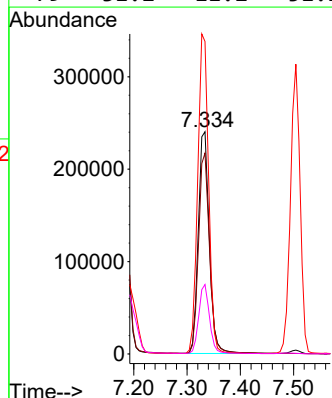
Ion Ratio Lower Upper

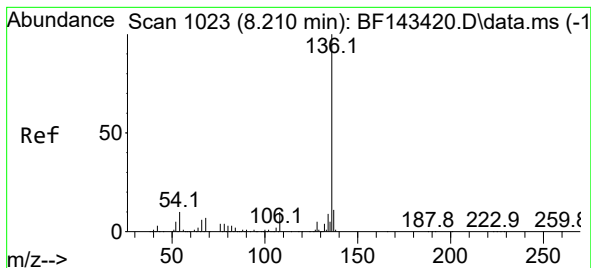
107 100

108 90.3 70.8 110.8

77 140.5 119.1 159.1

79 31.2 11.2 51.2

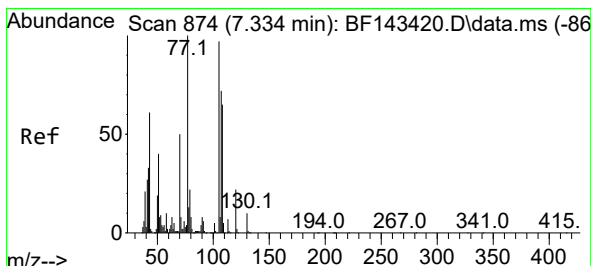
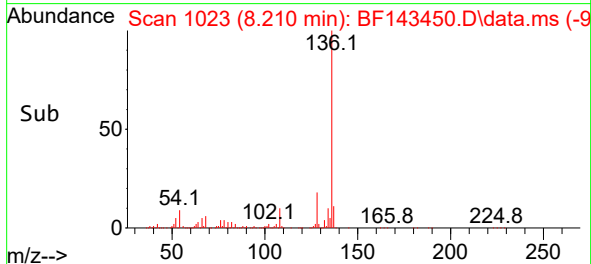
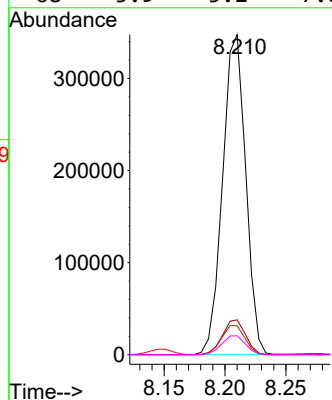
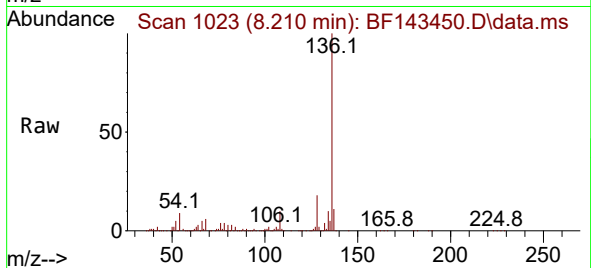




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

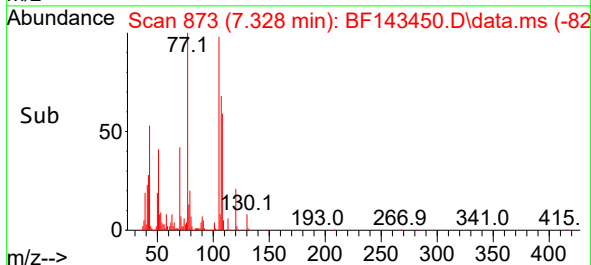
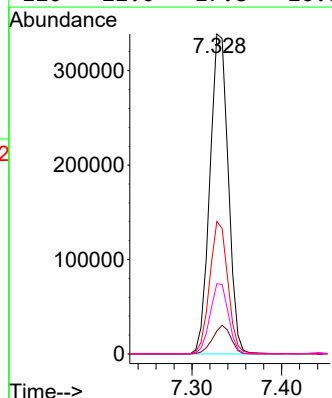
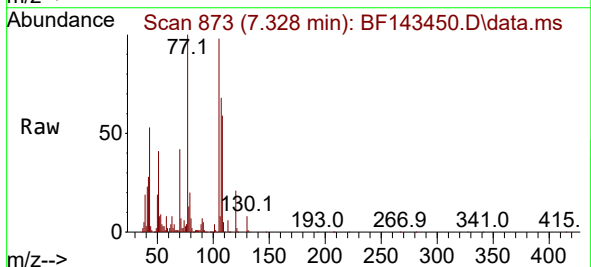
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

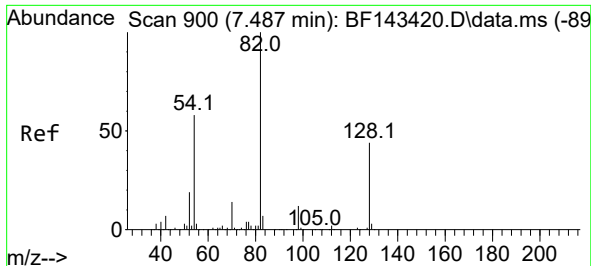
Tgt Ion:	136	Resp:	459157
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.0	7.8	11.8
68	5.9	5.2	7.8



#22
Acetophenone
Concen: 48.762 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:	105	Resp:	481389
Ion	Ratio	Lower	Upper
105	100		
71	7.2	7.0	10.4
51	41.4	32.7	49.1
120	22.0	17.8	26.8





#23

Nitrobenzene-d5

Concen: 64.889 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.000 min

Lab File: BF143450.D

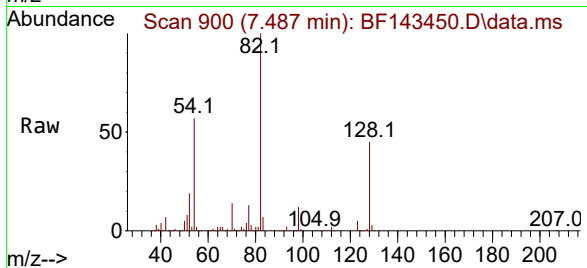
Acq: 19 Aug 2025 12:04

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD



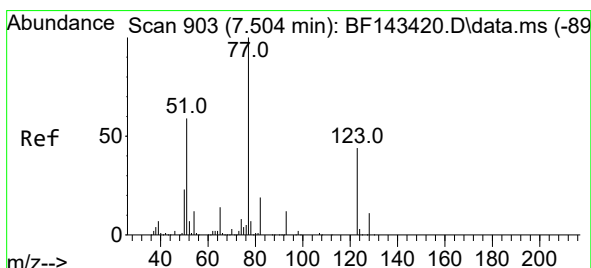
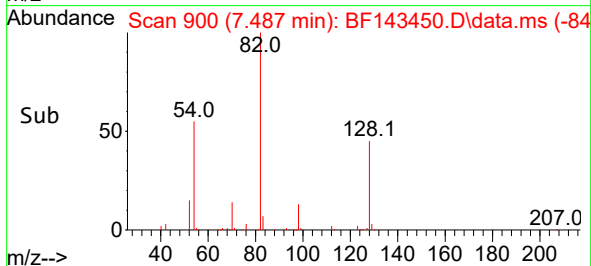
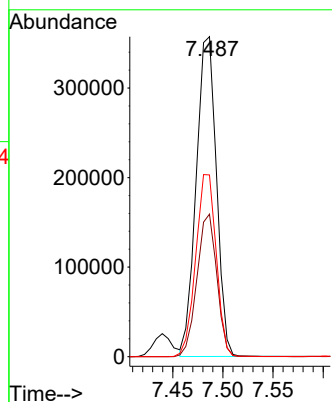
Tgt Ion: 82 Resp: 502103

Ion Ratio Lower Upper

82 100

128 44.6 34.6 52.0

54 56.8 46.0 69.0



#24

Nitrobenzene

Concen: 48.899 ng

RT: 7.504 min Scan# 903

Delta R.T. -0.000 min

Lab File: BF143450.D

Acq: 19 Aug 2025 12:04

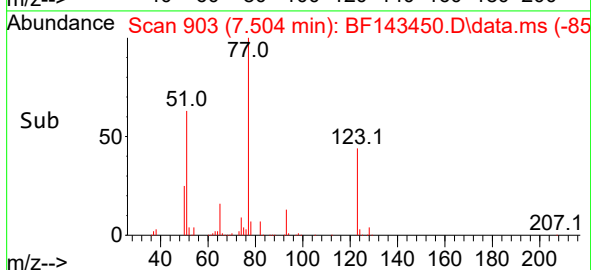
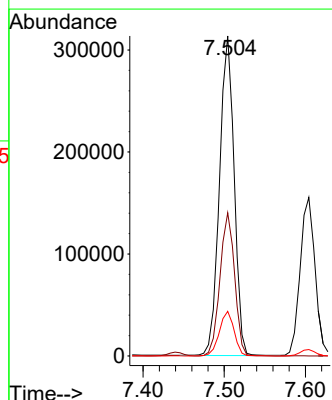
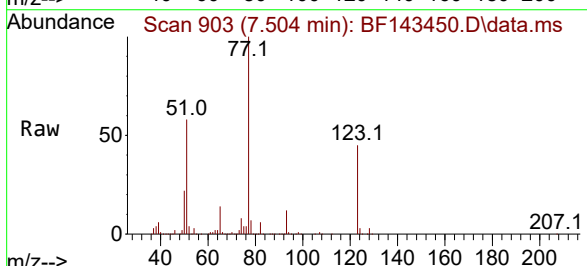
Tgt Ion: 77 Resp: 395462

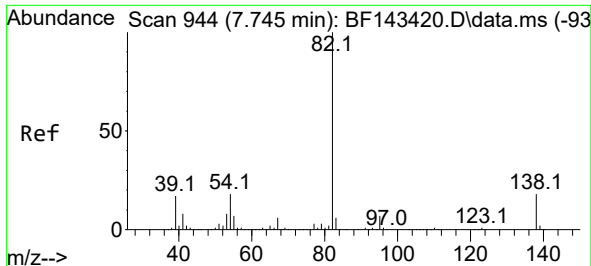
Ion Ratio Lower Upper

77 100

123 44.8 35.4 53.0

65 13.9 11.2 16.8

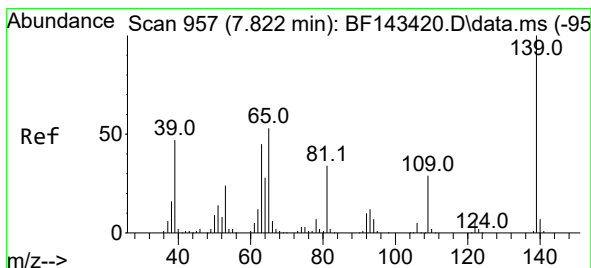
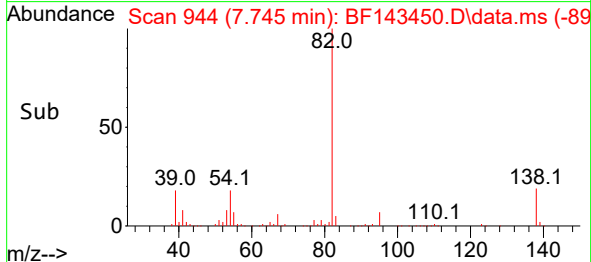
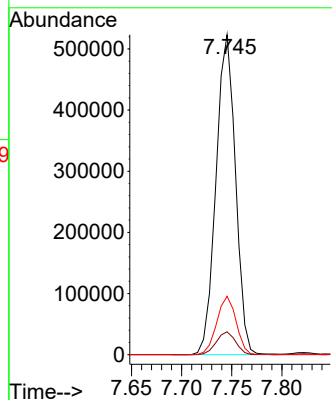
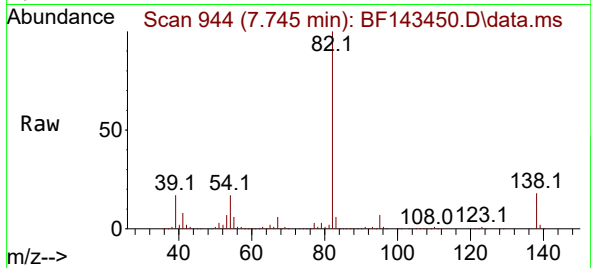




#25
Isophorone
Concen: 47.745 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

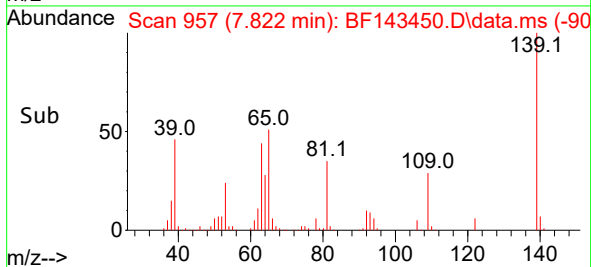
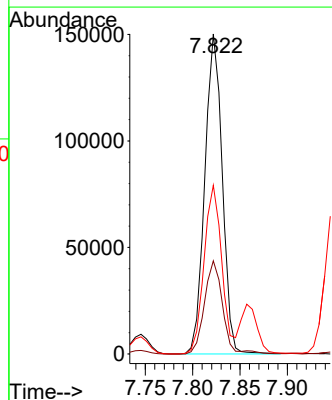
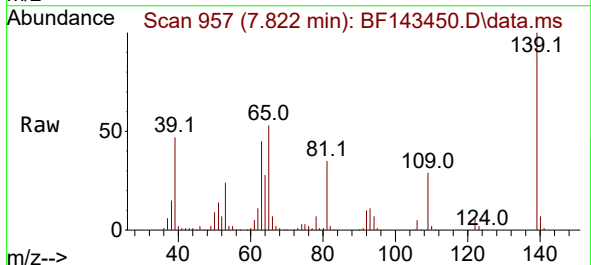
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

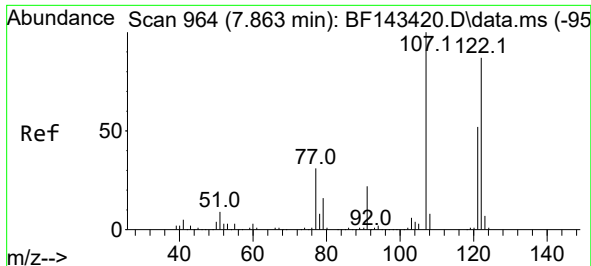
Tgt Ion: 82 Resp: 707087
Ion Ratio Lower Upper
82 100
95 7.1 5.6 8.4
138 18.3 14.3 21.5



#26
2-Nitrophenol
Concen: 51.315 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:139 Resp: 192385
Ion Ratio Lower Upper
139 100
109 29.1 23.0 34.4
65 52.7 42.5 63.7





#27

2,4-Dimethylphenol

Concen: 44.505 ng

RT: 7.857 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143450.D

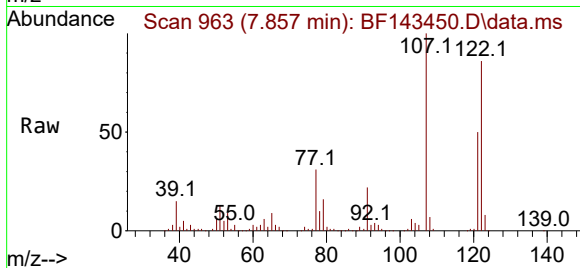
Acq: 19 Aug 2025 12:04

Instrument :

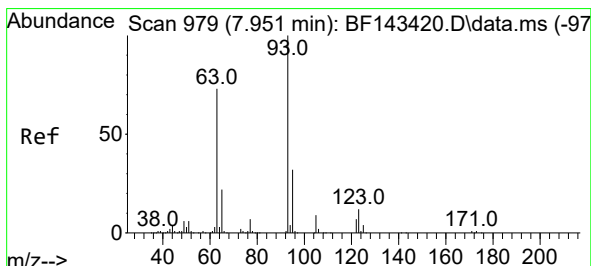
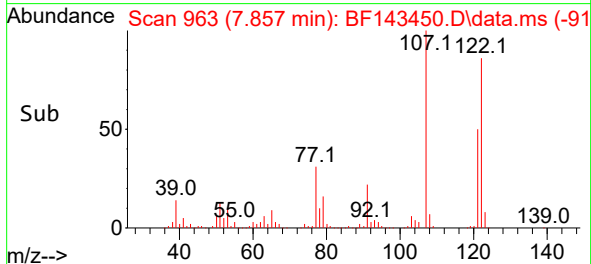
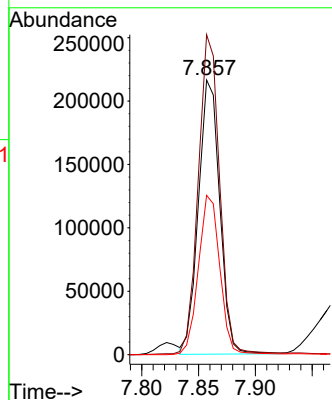
BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD



Tgt Ion:	122	Resp:	282110
Ion	Ratio	Lower	Upper
122	100		
107	116.5	90.4	135.6
121	58.0	46.7	70.1



#28

bis(2-Chloroethoxy)methane

Concen: 46.936 ng

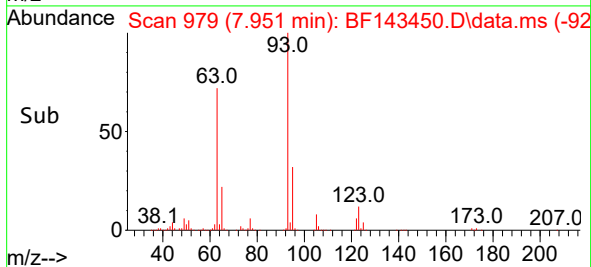
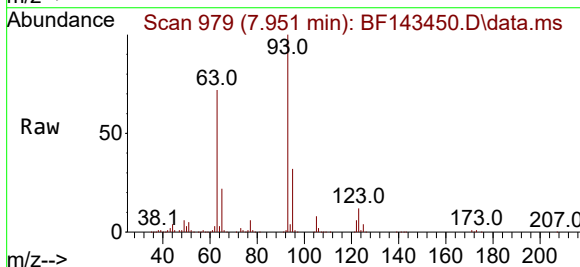
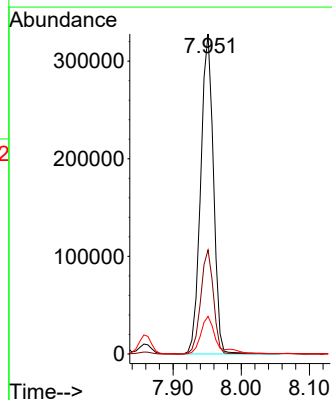
RT: 7.951 min Scan# 979

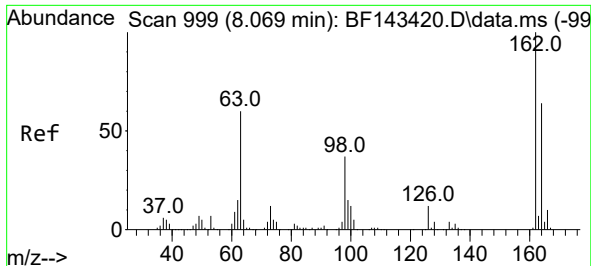
Delta R.T. -0.000 min

Lab File: BF143450.D

Acq: 19 Aug 2025 12:04

Tgt Ion:	93	Resp:	427250
Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.0	39.0
123	11.8	9.5	14.3





#29

2,4-Dichlorophenol

Concen: 47.631 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.000 min

Lab File: BF143450.D

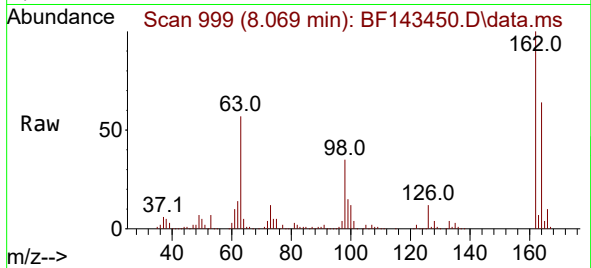
Acq: 19 Aug 2025 12:04

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD



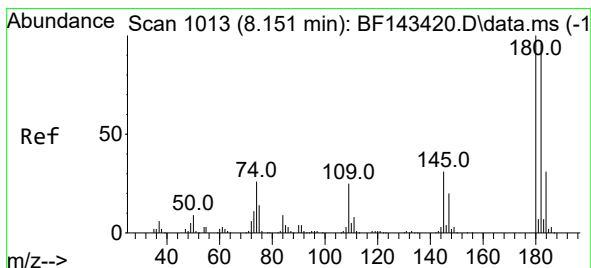
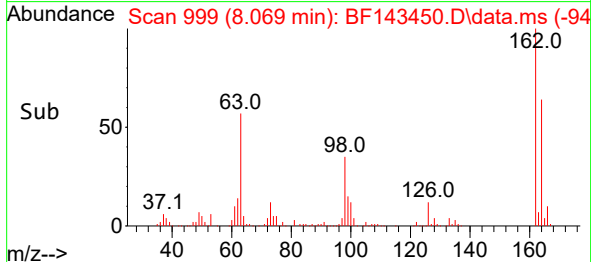
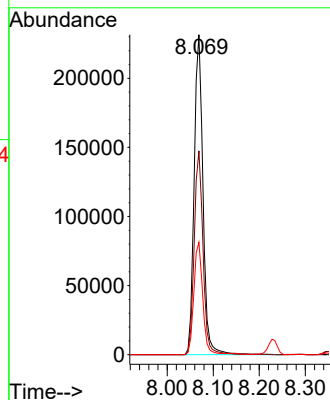
Tgt Ion:162 Resp: 307783

Ion Ratio Lower Upper

162 100

164 63.7 44.3 84.3

98 35.1 16.9 56.9



#30

1,2,4-Trichlorobenzene

Concen: 50.280 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143450.D

Acq: 19 Aug 2025 12:04

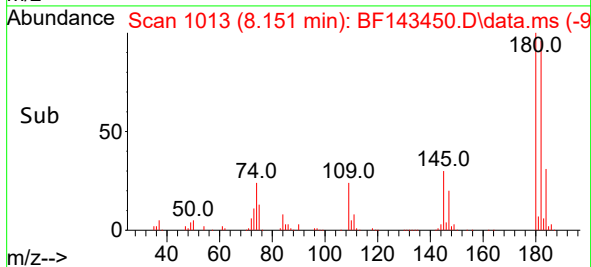
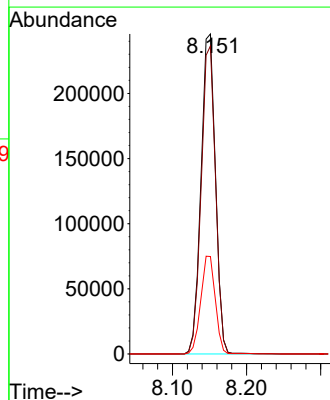
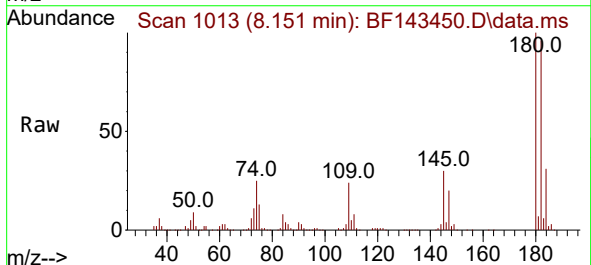
Tgt Ion:180 Resp: 332900

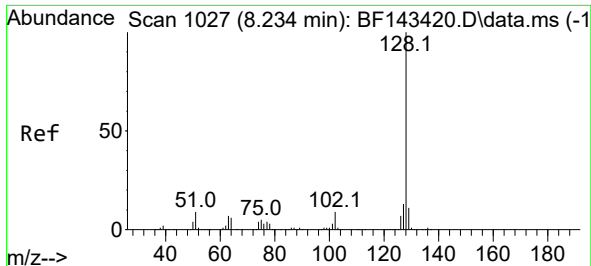
Ion Ratio Lower Upper

180 100

182 96.3 76.7 115.1

145 30.4 24.5 36.7

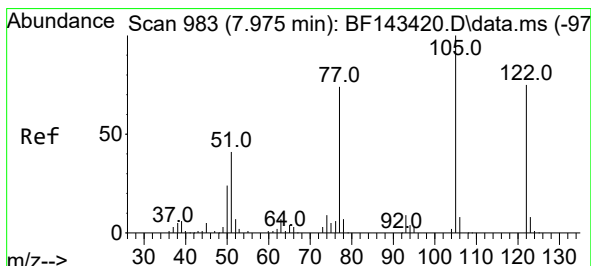
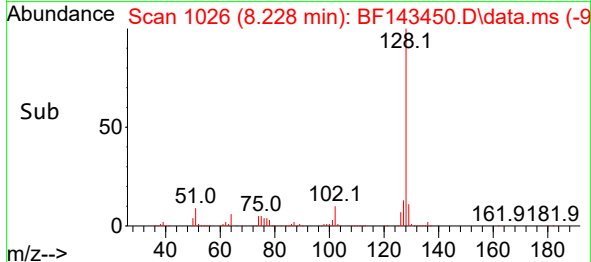
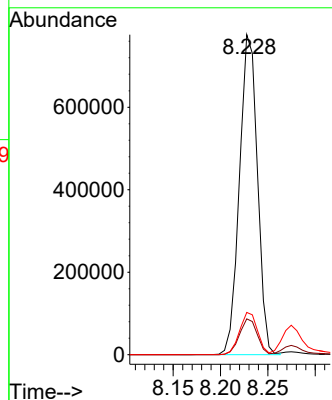
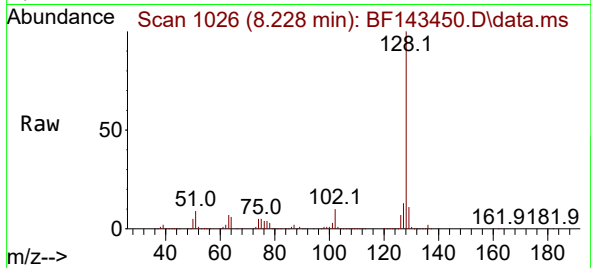




#31
Naphthalene
Concen: 46.936 ng
RT: 8.228 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

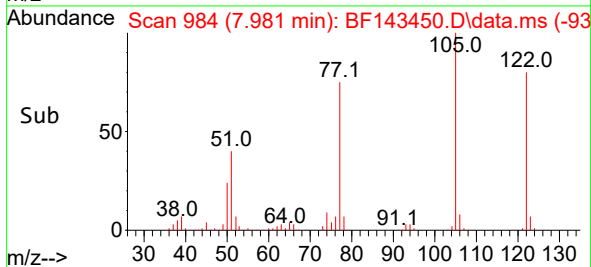
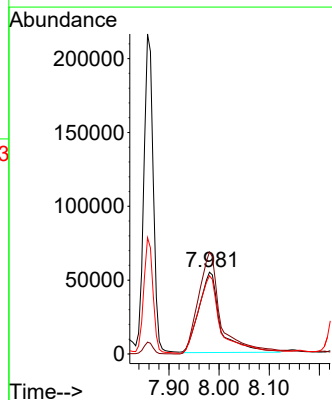
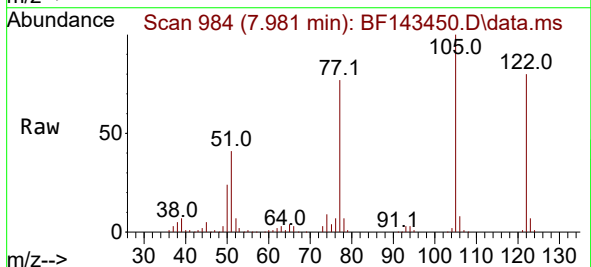
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

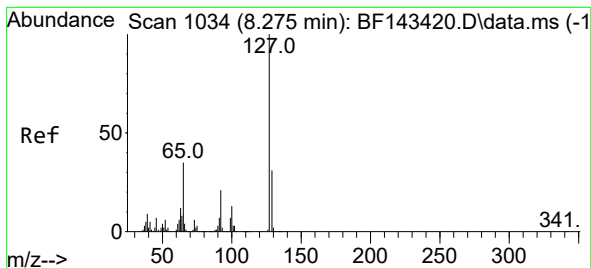
Tgt Ion:128 Resp: 1023139
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.2 10.6 16.0



#32
Benzoic acid
Concen: 49.729 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:122 Resp: 163943
Ion Ratio Lower Upper
122 100
105 124.7 108.4 148.4
77 95.7 75.9 115.9





#33

4-Chloroaniline

Concen: 15.119 ng

RT: 8.275 min Scan# 1034

Delta R.T. -0.000 min

Lab File: BF143450.D

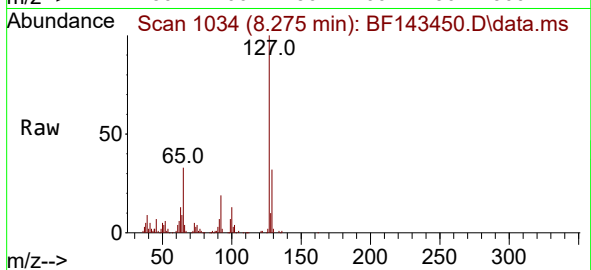
Acq: 19 Aug 2025 12:04

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD



Tgt Ion:127 Resp: 118964

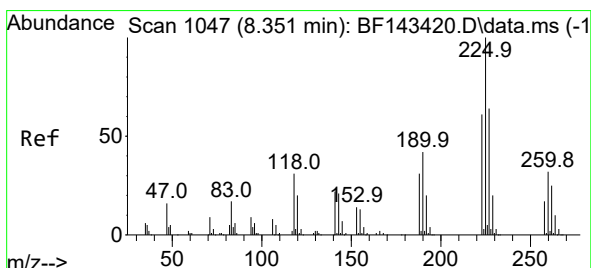
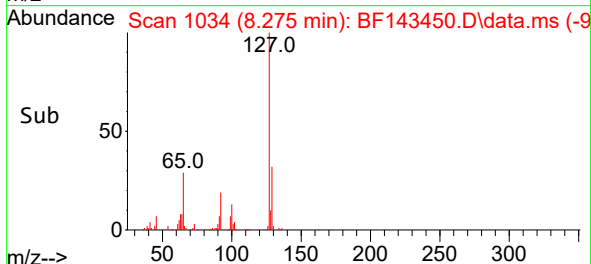
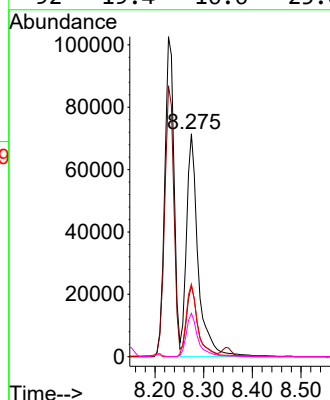
Ion Ratio Lower Upper

127 100

129 31.8 25.8 38.8

65 32.5 27.2 40.8

92 19.4 16.6 25.0



#34

Hexachlorobutadiene

Concen: 48.819 ng

RT: 8.351 min Scan# 1047

Delta R.T. -0.000 min

Lab File: BF143450.D

Acq: 19 Aug 2025 12:04

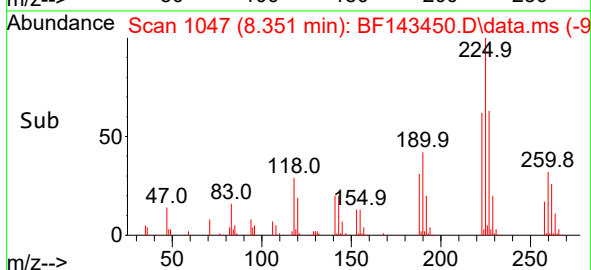
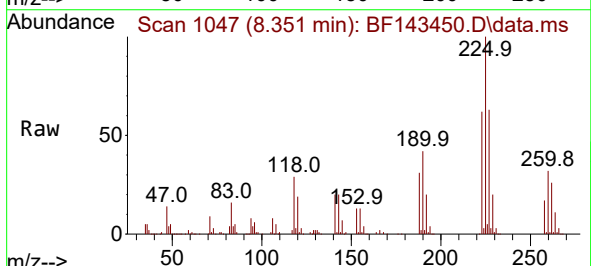
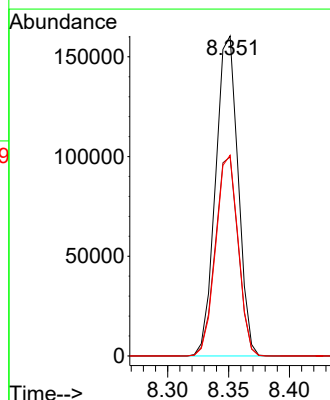
Tgt Ion:225 Resp: 206112

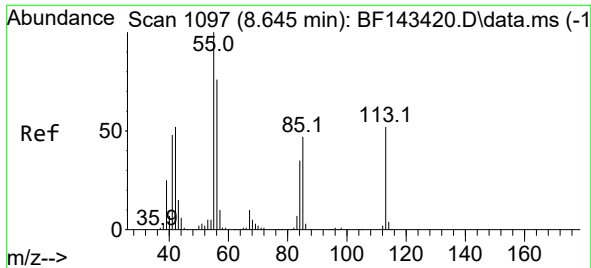
Ion Ratio Lower Upper

225 100

223 62.3 49.0 73.6

227 62.7 51.1 76.7

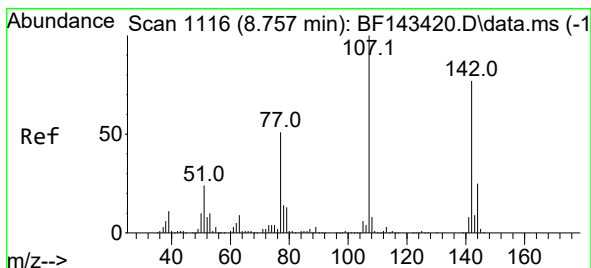
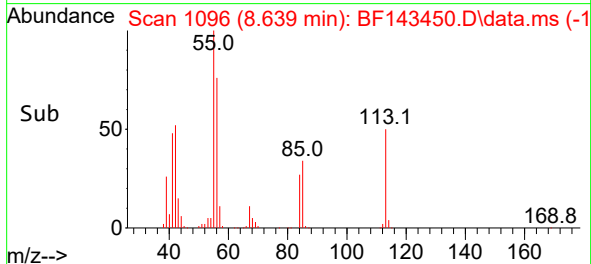
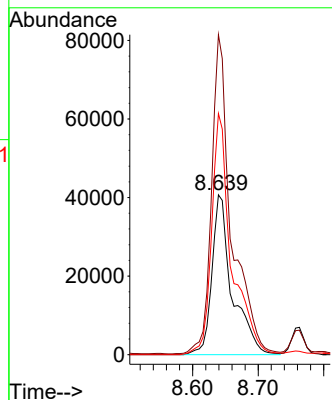
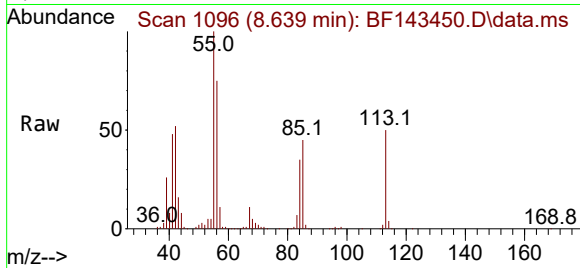




#35
 Caprolactam
 Concen: 47.027 ng
 RT: 8.639 min Scan# 1096
 Delta R.T. -0.006 min
 Lab File: BF143450.D
 Acq: 19 Aug 2025 12:04

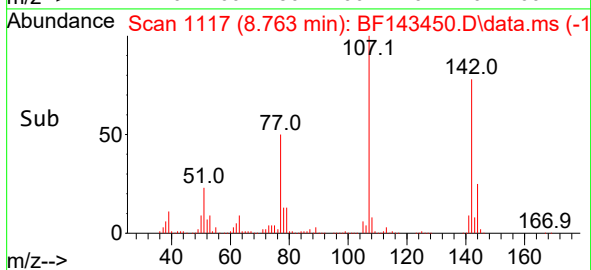
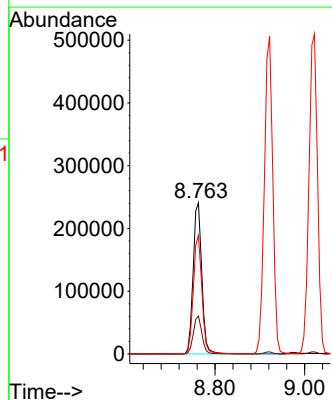
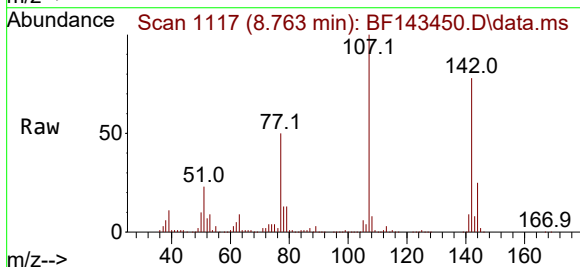
Instrument :
 BNA_F
 ClientSampleId :
 DRILL CUTTING 1-3 COMPMSD

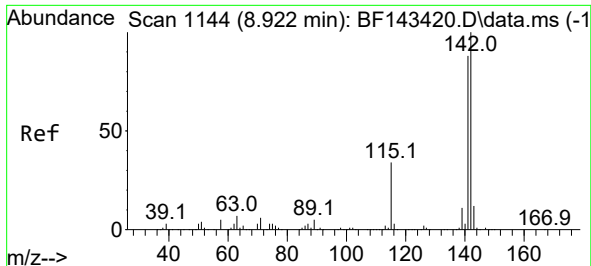
Tgt Ion:113 Resp: 87488
 Ion Ratio Lower Upper
 113 100
 55 200.2 174.7 214.7
 56 150.9 127.0 167.0



#36
 4-Chloro-3-methylphenol
 Concen: 48.973 ng
 RT: 8.763 min Scan# 1117
 Delta R.T. 0.006 min
 Lab File: BF143450.D
 Acq: 19 Aug 2025 12:04

Tgt Ion:107 Resp: 325920
 Ion Ratio Lower Upper
 107 100
 144 25.1 20.2 30.2
 142 78.5 62.0 93.0

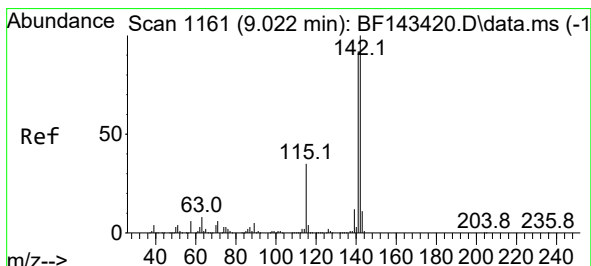
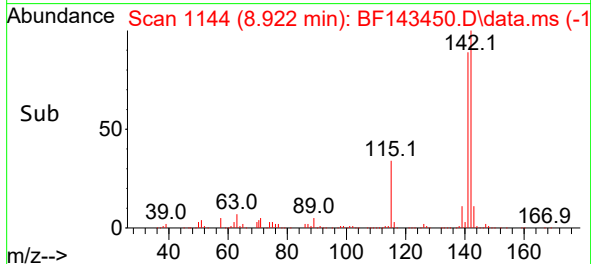
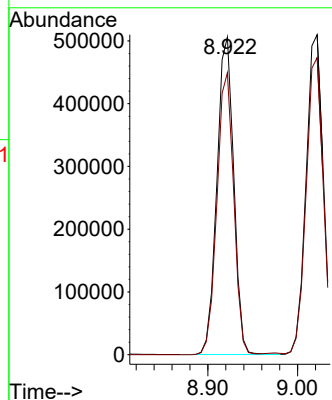
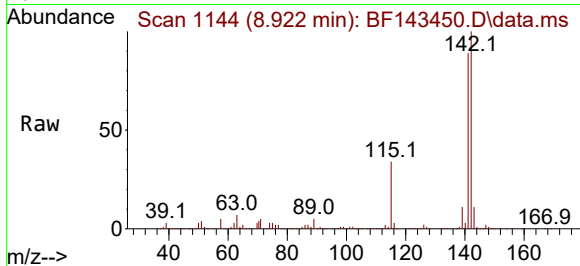




#37
2-Methylnaphthalene
Concen: 44.705 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

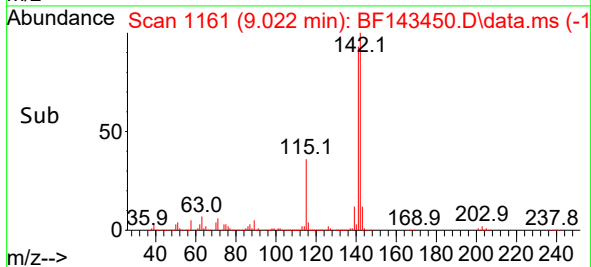
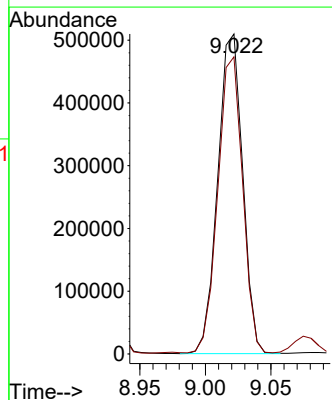
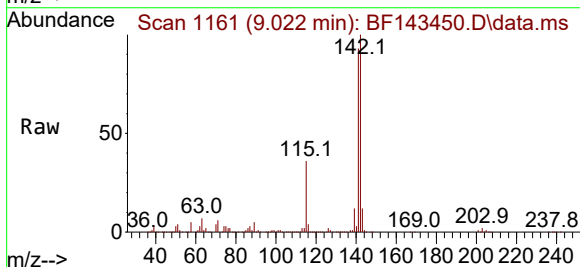
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

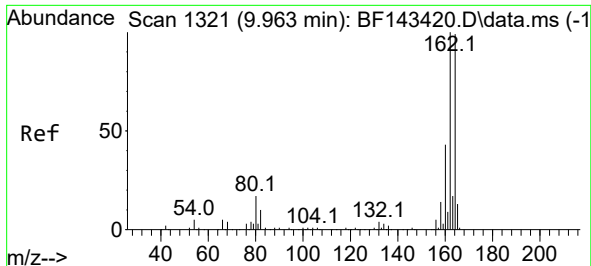
Tgt Ion:142 Resp: 656872
Ion Ratio Lower Upper
142 100
141 88.7 70.3 105.5



#38
1-Methylnaphthalene
Concen: 47.683 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:142 Resp: 671278
Ion Ratio Lower Upper
142 100
141 92.8 73.8 110.6

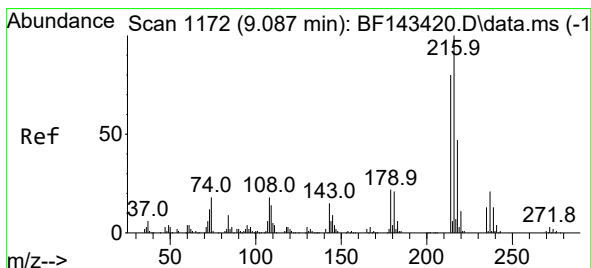
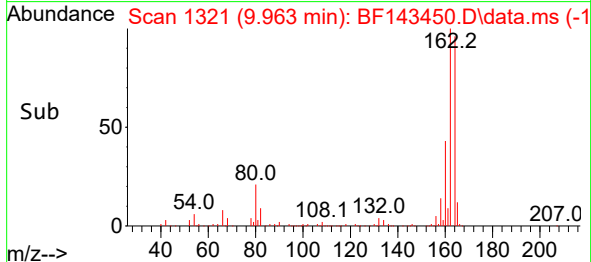
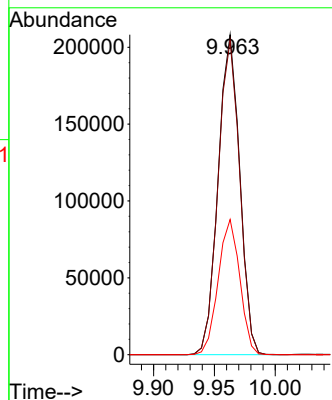
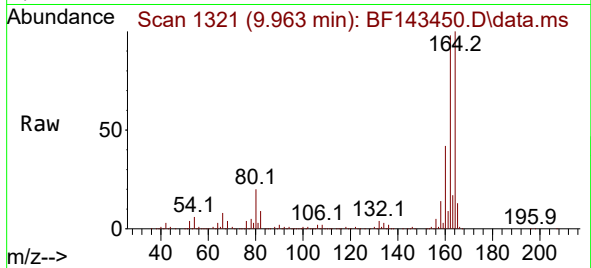




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

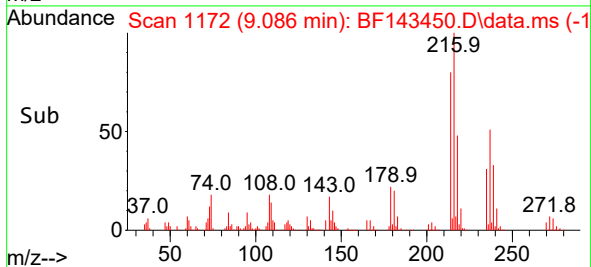
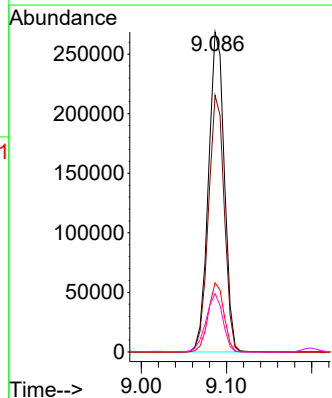
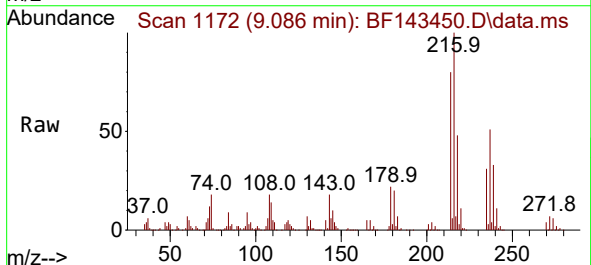
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

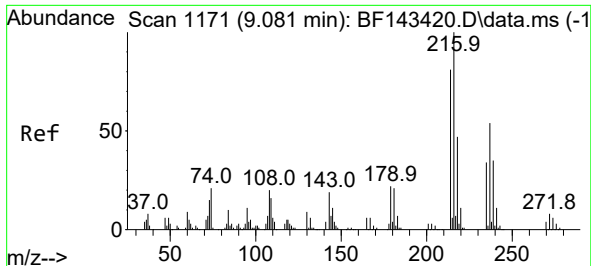
Tgt Ion:164 Resp: 257230
Ion Ratio Lower Upper
164 100
162 98.2 80.6 121.0
160 42.2 34.6 51.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.206 ng
RT: 9.086 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:216 Resp: 345821
Ion Ratio Lower Upper
216 100
214 80.1 63.7 95.5
179 21.3 17.0 25.4
108 19.4 14.3 21.5

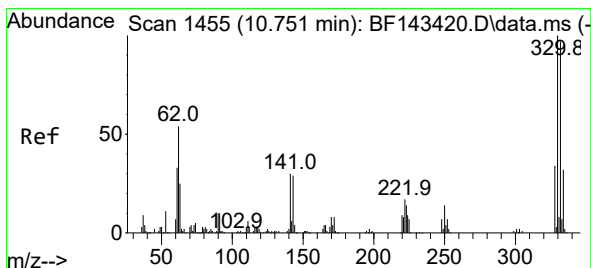
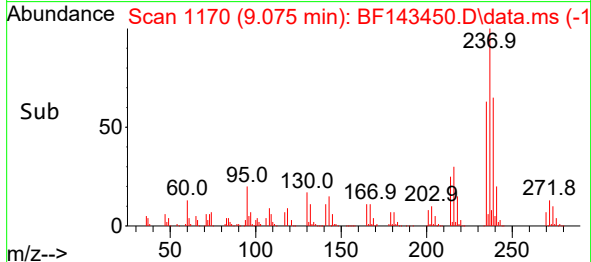
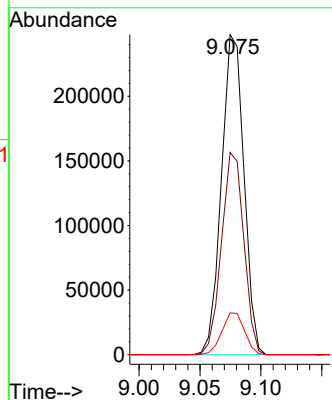
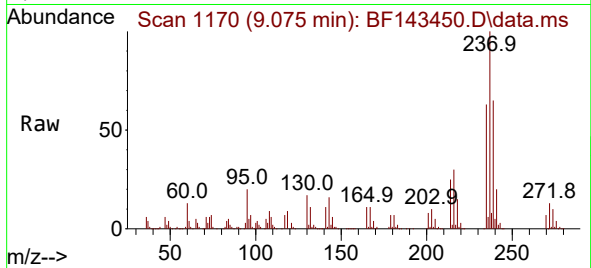




#41
Hexachlorocyclopentadiene
Concen: 118.207 ng
RT: 9.075 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

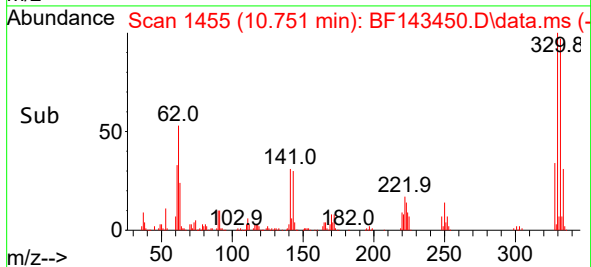
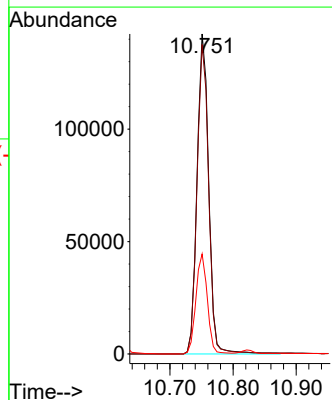
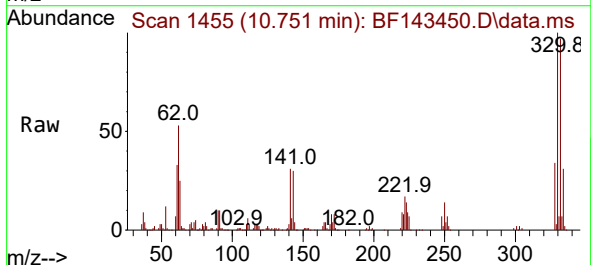
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

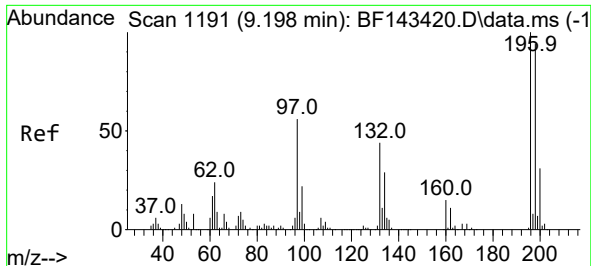
Tgt Ion:237 Resp: 318244
Ion Ratio Lower Upper
237 100
235 63.2 41.6 81.6
272 13.0 0.0 33.8



#42
2,4,6-Tribromophenol
Concen: 79.806 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

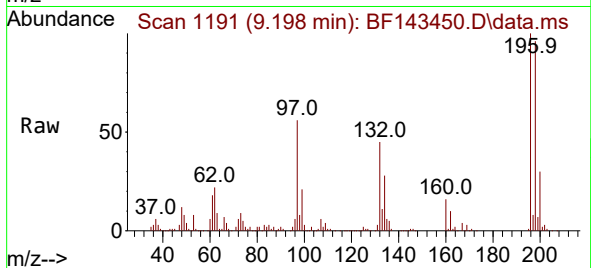
Tgt Ion:330 Resp: 182720
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.2
141 30.5 24.1 36.1



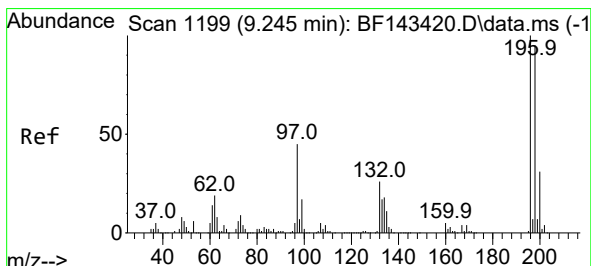
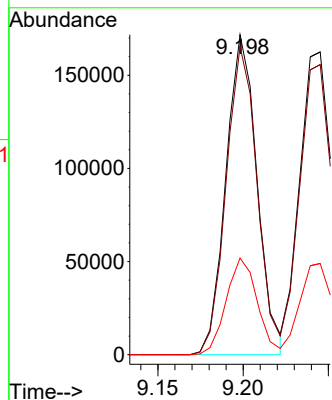
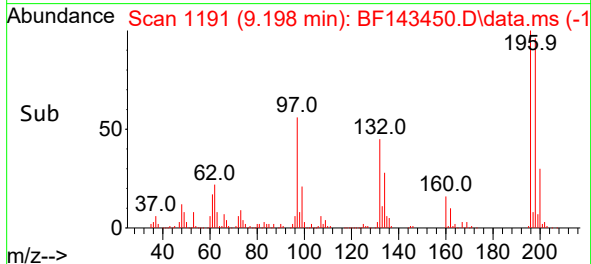


#43
2,4,6-Trichlorophenol
Concen: 48.720 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

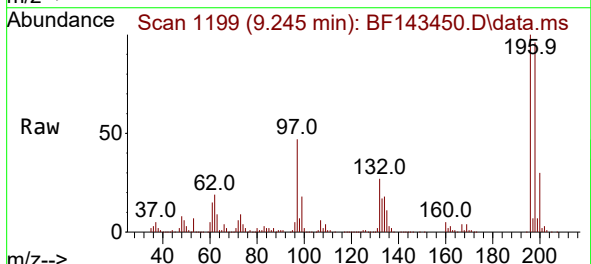
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD



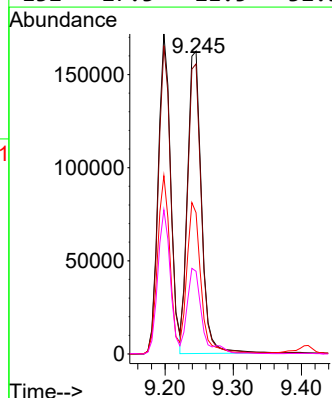
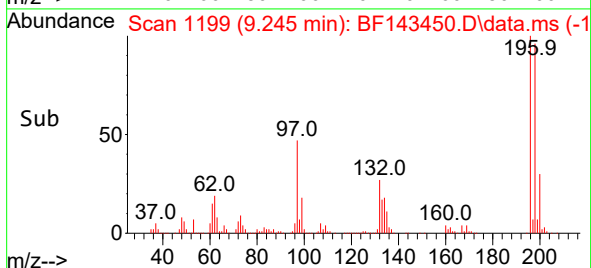
Tgt Ion:196 Resp: 218023
Ion Ratio Lower Upper
196 100
198 96.3 75.4 113.2
200 30.2 24.7 37.1

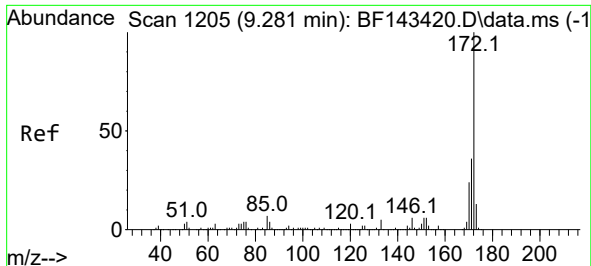


#44
2,4,5-Trichlorophenol
Concen: 47.703 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04



Tgt Ion:196 Resp: 228826
Ion Ratio Lower Upper
196 100
198 95.8 76.2 114.4
97 46.7 36.6 55.0
132 27.3 21.5 32.3

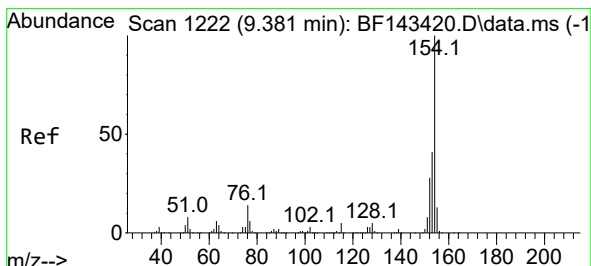
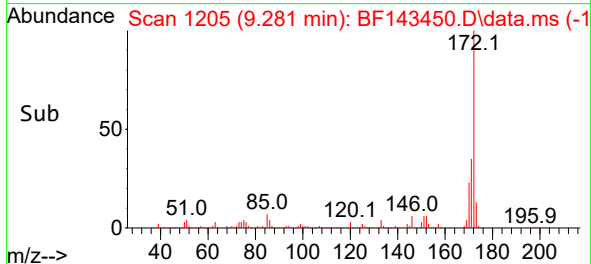
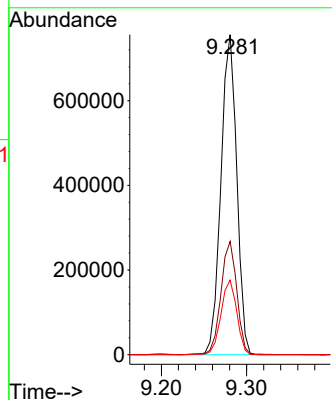
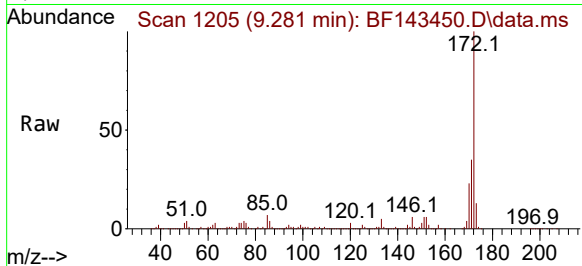




#45
2-Fluorobiphenyl
Concen: 63.691 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

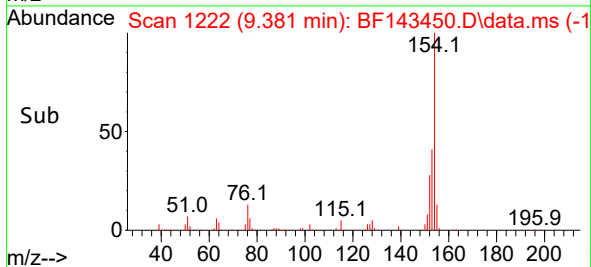
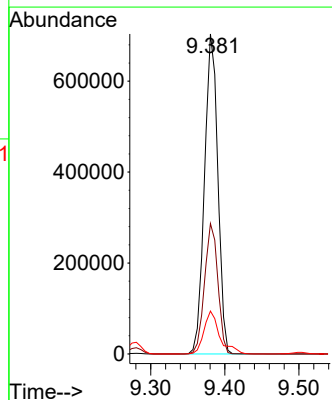
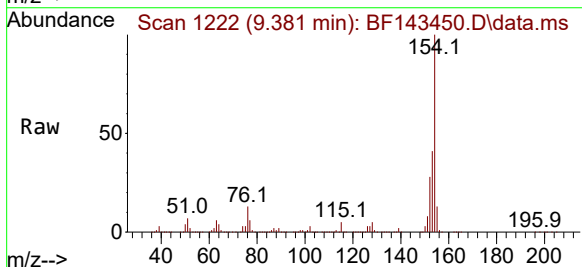
Instrument : BNA_F
ClientSampleId : DRILL CUTTING 1-3 COMPMSD

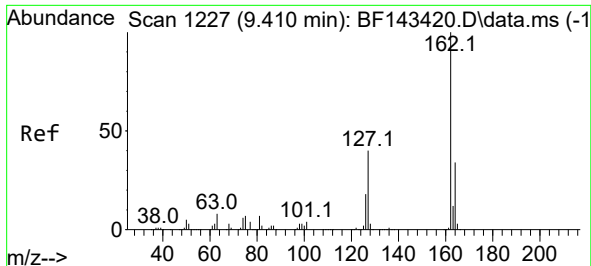
Tgt Ion:172 Resp: 974033
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.3 19.0 28.6



#46
1,1'-Biphenyl
Concen: 48.736 ng
RT: 9.381 min Scan# 1222
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:154 Resp: 880833
Ion Ratio Lower Upper
154 100
153 40.7 20.6 60.6
76 13.4 0.0 33.8

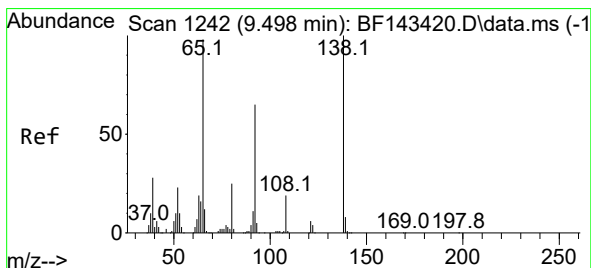
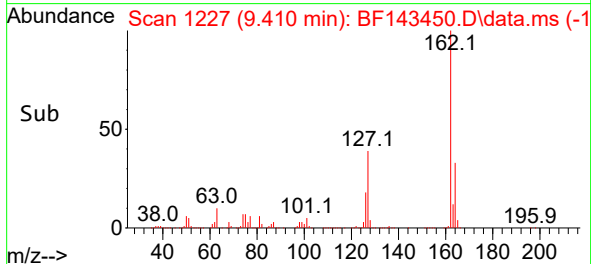
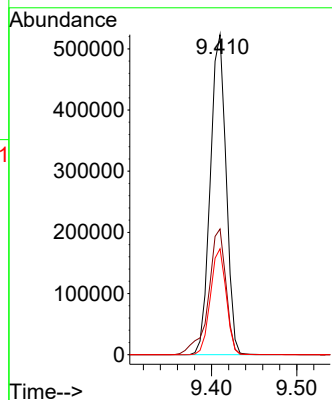
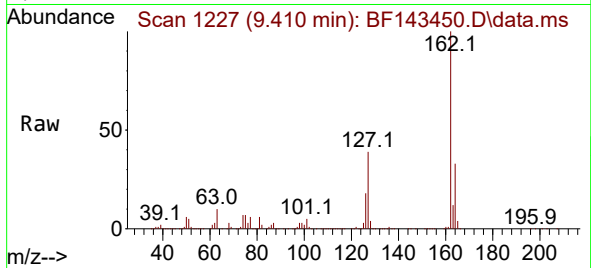




#47
2-Chloronaphthalene
Concen: 47.281 ng
RT: 9.410 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

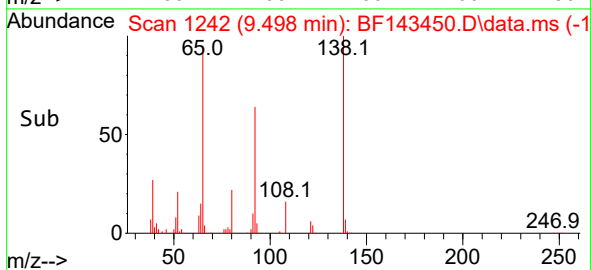
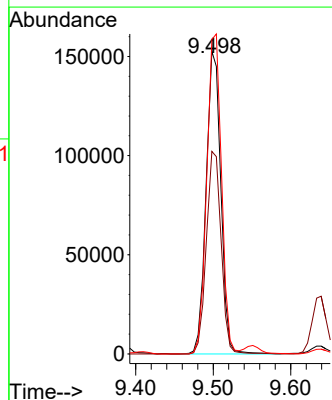
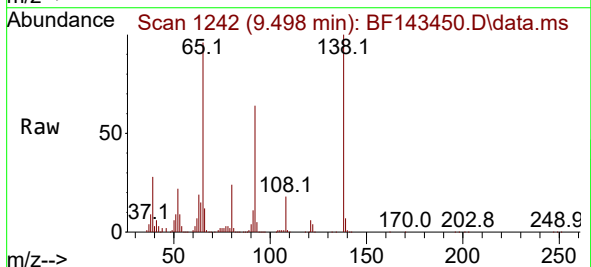
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

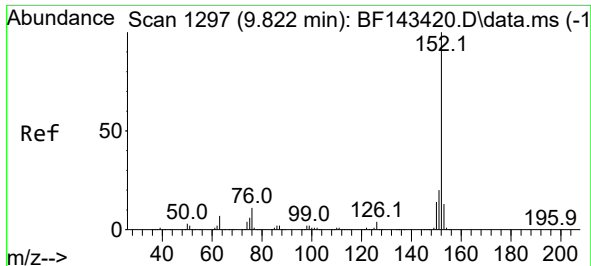
Tgt Ion:162 Resp: 674536
Ion Ratio Lower Upper
162 100
127 39.3 32.3 48.5
164 33.1 26.9 40.3



#48
2-Nitroaniline
Concen: 47.459 ng
RT: 9.498 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion: 65 Resp: 201491
Ion Ratio Lower Upper
65 100
92 66.9 52.9 79.3
138 103.9 81.3 121.9





#49

Acenaphthylene

Concen: 51.697 ng

RT: 9.822 min Scan# 1297

Delta R.T. -0.000 min

Lab File: BF143450.D

Acq: 19 Aug 2025 12:04

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD

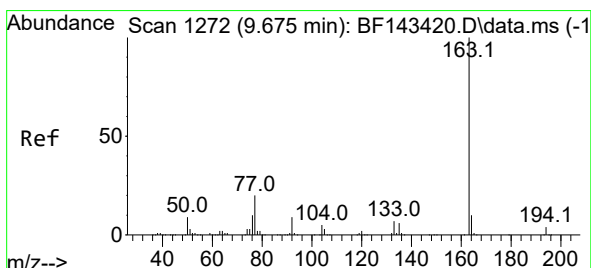
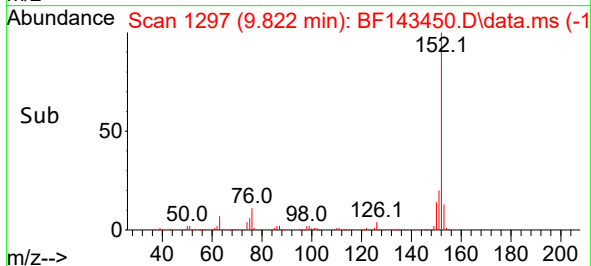
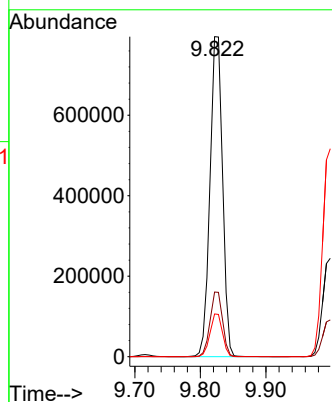
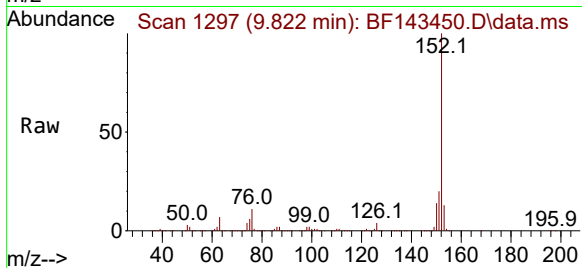
Tgt Ion:152 Resp: 1064862

Ion Ratio Lower Upper

152 100

151 20.2 16.0 24.0

153 13.4 10.8 16.2



#50

Dimethylphthalate

Concen: 48.516 ng

RT: 9.681 min Scan# 1273

Delta R.T. 0.006 min

Lab File: BF143450.D

Acq: 19 Aug 2025 12:04

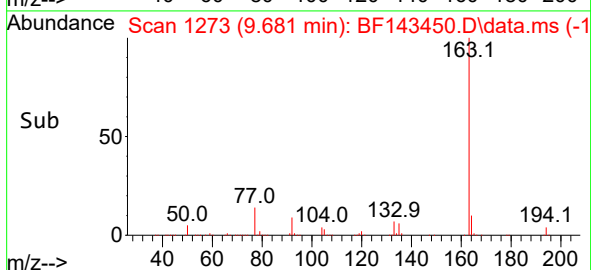
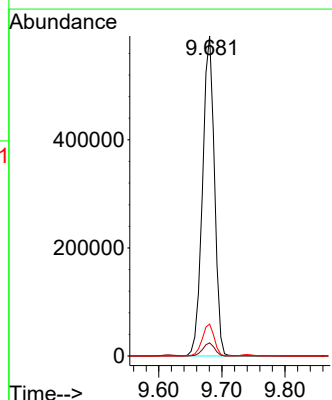
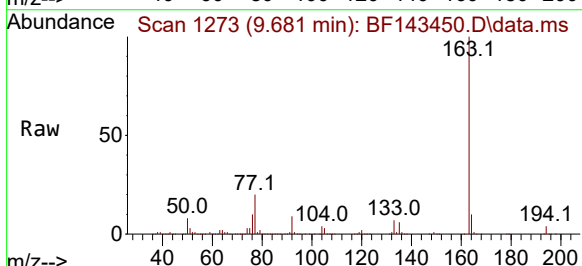
Tgt Ion:163 Resp: 778054

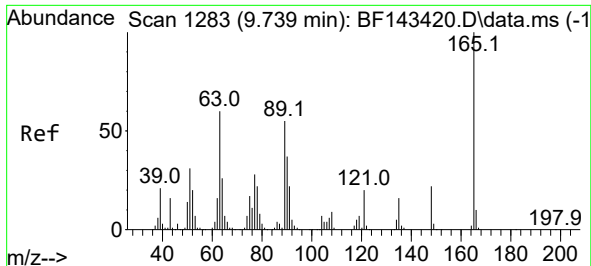
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 9.9 8.2 12.4

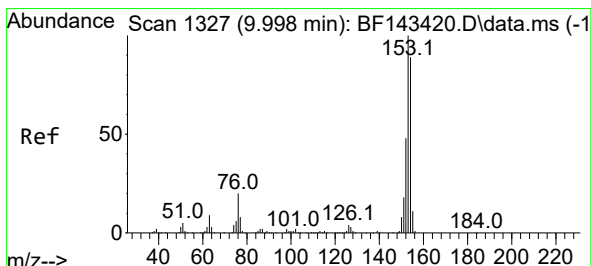
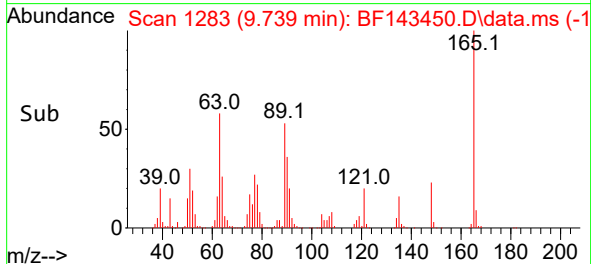
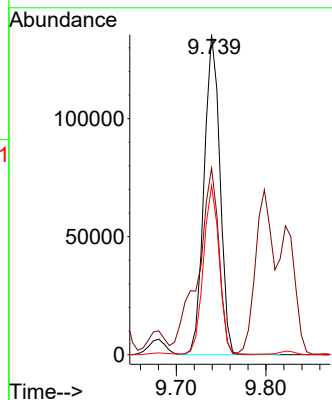
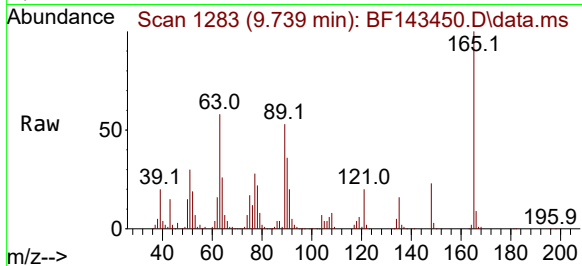




#51
2,6-Dinitrotoluene
Concen: 52.590 ng
RT: 9.739 min Scan# 1283
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

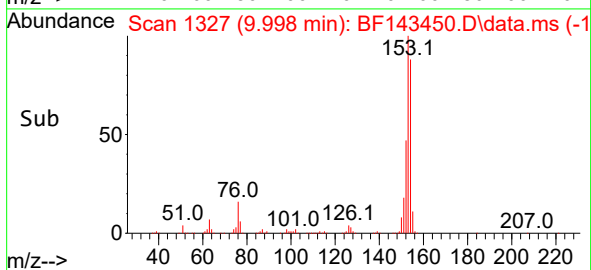
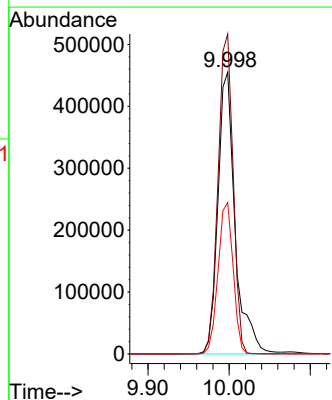
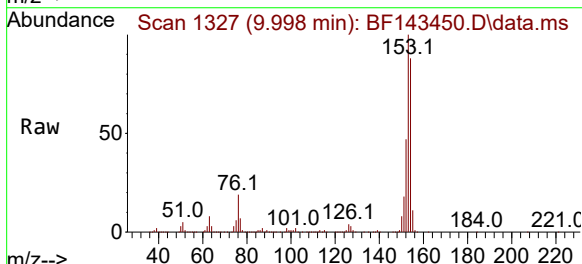
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

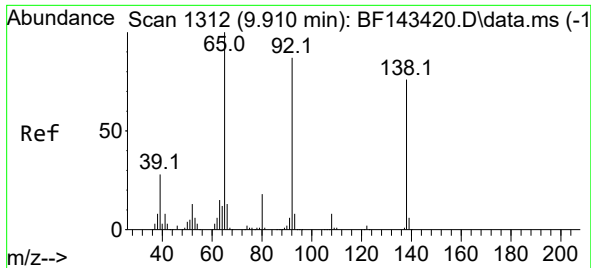
Tgt Ion:165 Resp: 166259
Ion Ratio Lower Upper
165 100
63 58.3 48.2 72.2
89 52.8 44.2 66.2



#52
Acenaphthene
Concen: 48.585 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:154 Resp: 673086
Ion Ratio Lower Upper
154 100
153 113.6 89.5 134.3
152 53.7 42.6 64.0

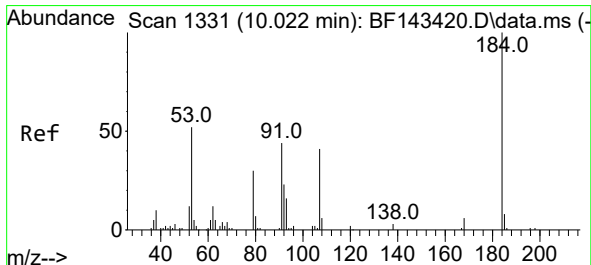
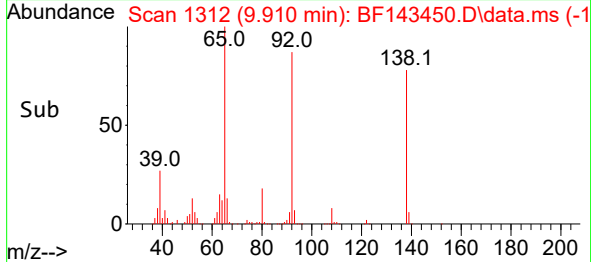
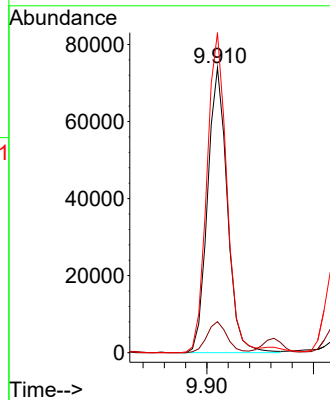
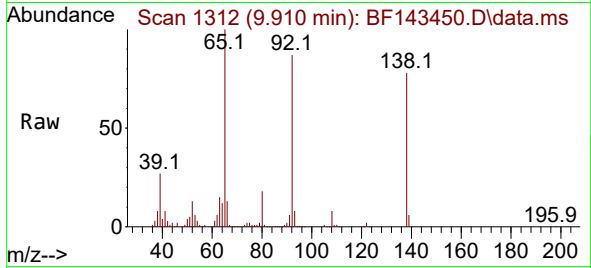




#53
3-Nitroaniline
Concen: 27.070 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

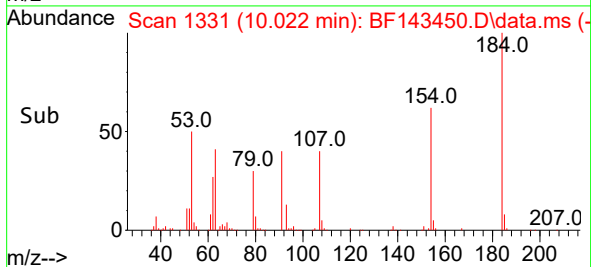
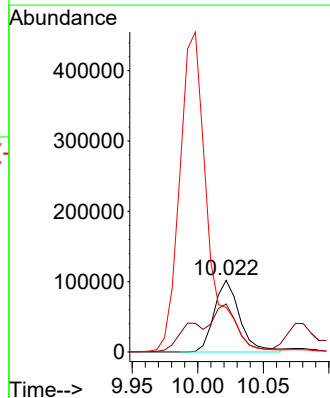
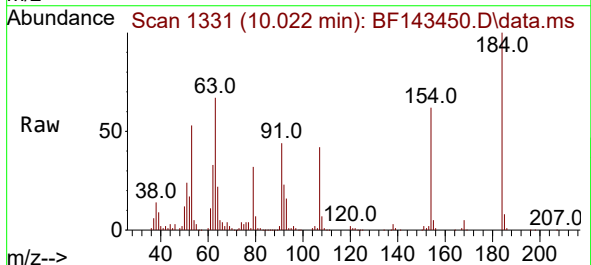
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

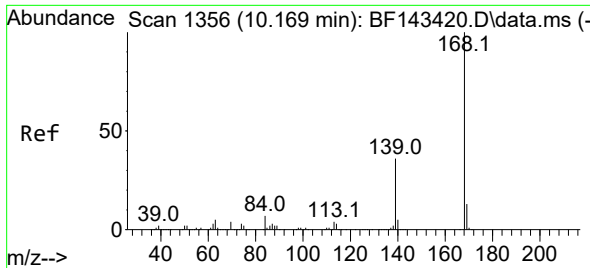
Tgt Ion:138 Resp: 95330
Ion Ratio Lower Upper
138 100
108 10.9 8.7 13.1
92 112.3 91.4 137.2



#54
2,4-Dinitrophenol
Concen: 92.733 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:184 Resp: 137749
Ion Ratio Lower Upper
184 100
63 67.0 53.2 79.8
154 62.4 51.3 76.9

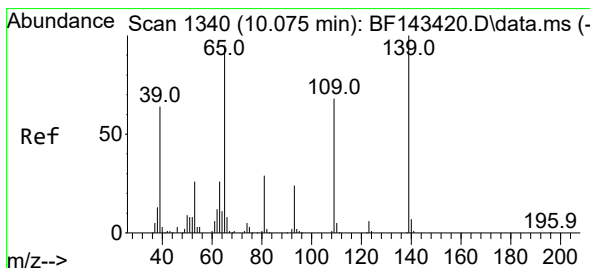
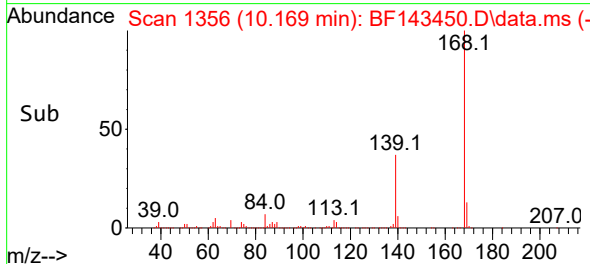
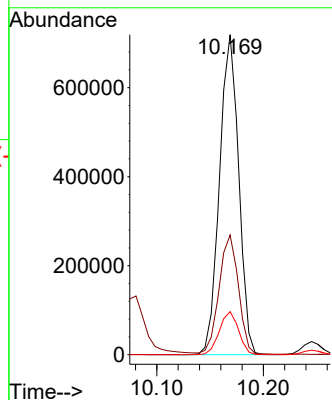
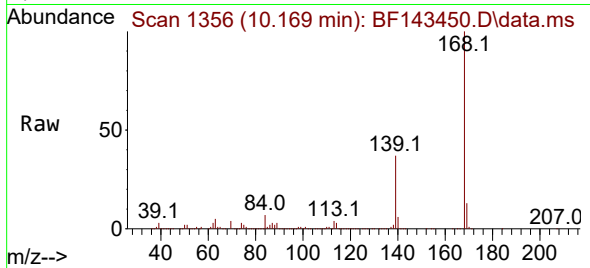




#55
Dibenzenofuran
Concen: 44.908 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

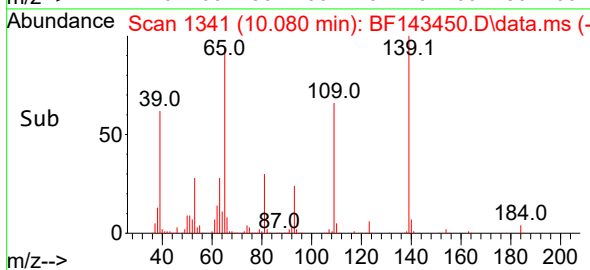
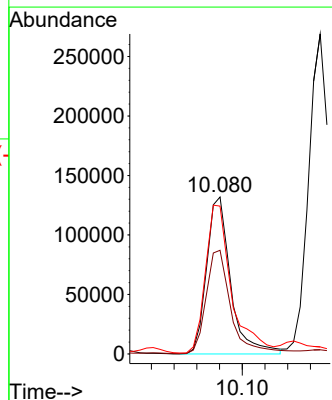
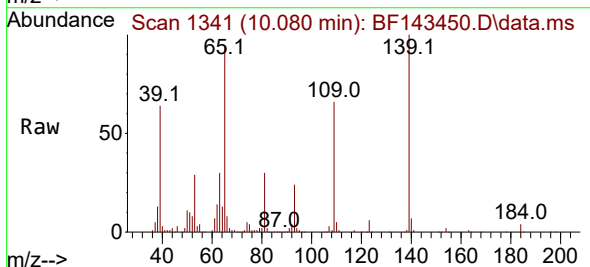
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

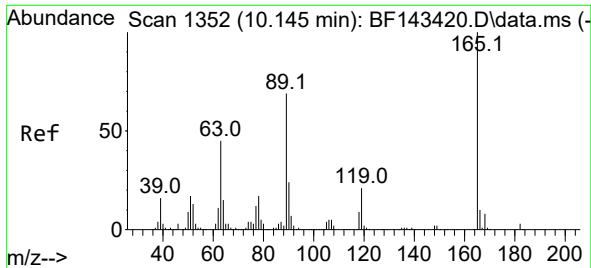
Tgt Ion:168 Resp: 897495
Ion Ratio Lower Upper
168 100
139 37.4 29.3 43.9
169 13.4 10.8 16.2



#56
4-Nitrophenol
Concen: 87.625 ng
RT: 10.080 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:139 Resp: 194002
Ion Ratio Lower Upper
139 100
109 66.0 47.7 87.7
65 94.1 76.4 116.4

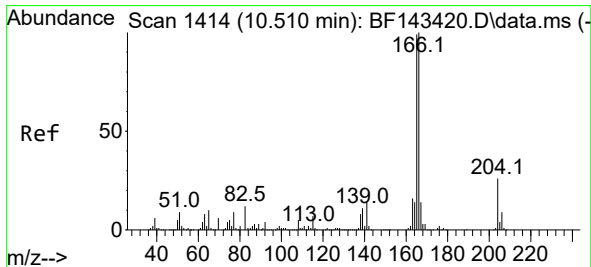
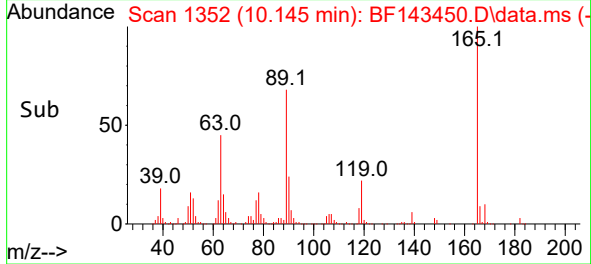
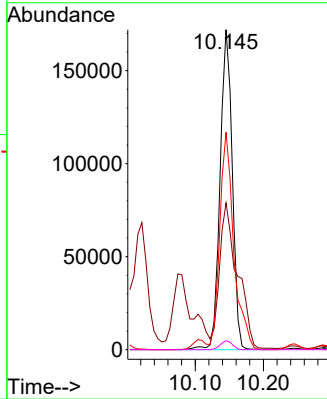
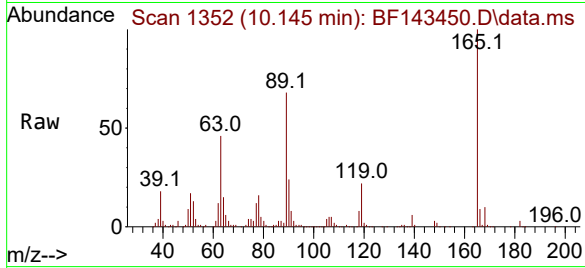




#57
2,4-Dinitrotoluene
Concen: 50.776 ng
RT: 10.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

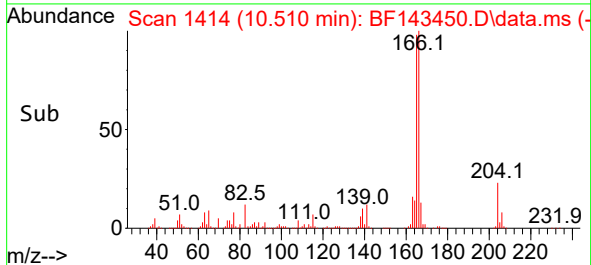
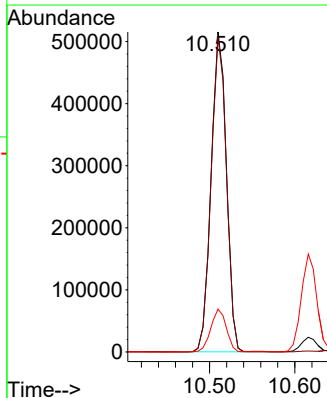
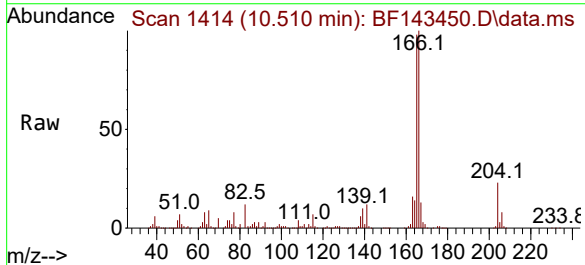
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

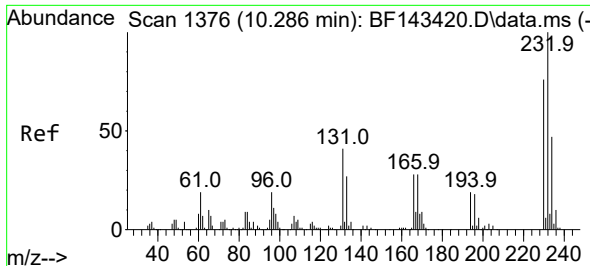
Tgt Ion:165 Resp: 214017
Ion Ratio Lower Upper
165 100
63 45.9 37.0 55.6
89 67.9 55.4 83.0
182 2.8 2.3 3.5



#58
Fluorene
Concen: 41.848 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

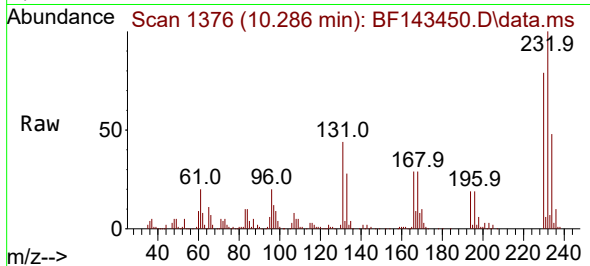
Tgt Ion:166 Resp: 642506
Ion Ratio Lower Upper
166 100
165 98.3 79.0 118.6
167 13.4 10.9 16.3



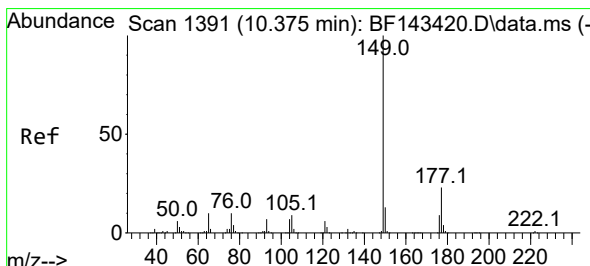
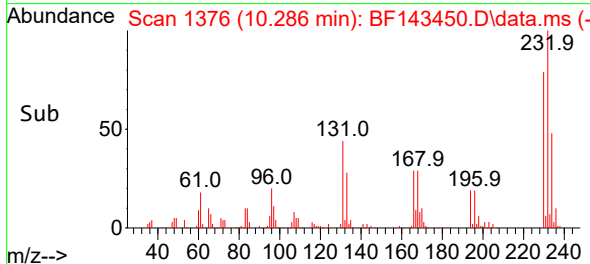
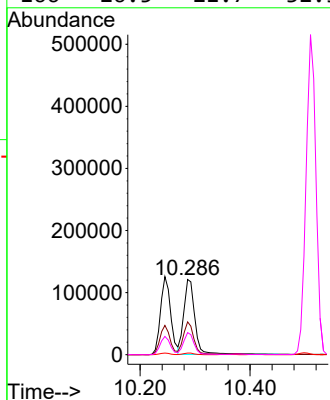


#59
2,3,4,6-Tetrachlorophenol
Concen: 46.662 ng
RT: 10.286 min Scan# 1376
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

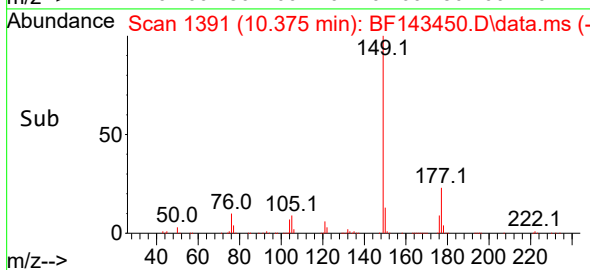
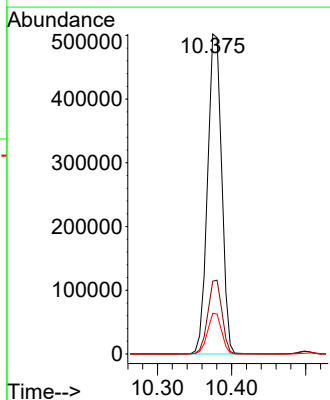
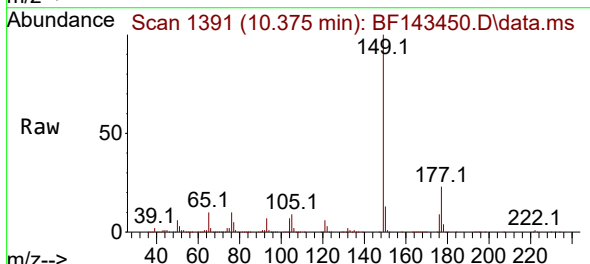


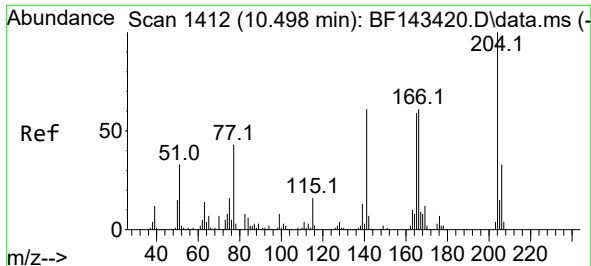
Tgt Ion:232 Resp: 169437
Ion Ratio Lower Upper
232 100
131 41.2 32.0 48.0
130 2.1 1.7 2.5
166 26.5 21.7 32.5



#60
Diethylphthalate
Concen: 44.860 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:149 Resp: 664812
Ion Ratio Lower Upper
149 100
177 22.8 18.2 27.4
150 12.7 10.1 15.1

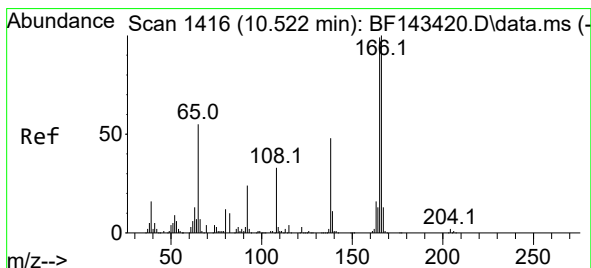
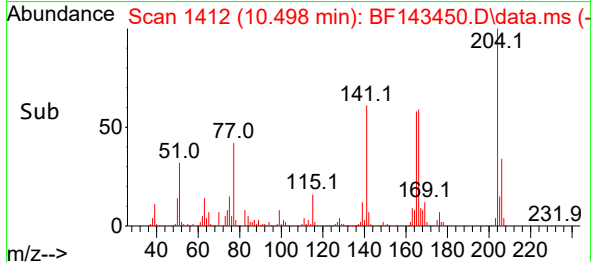
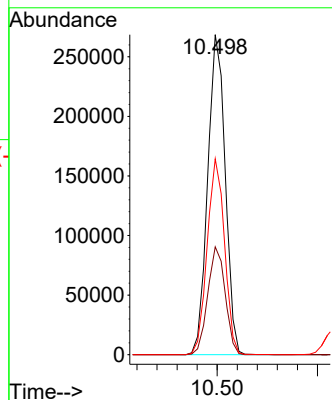
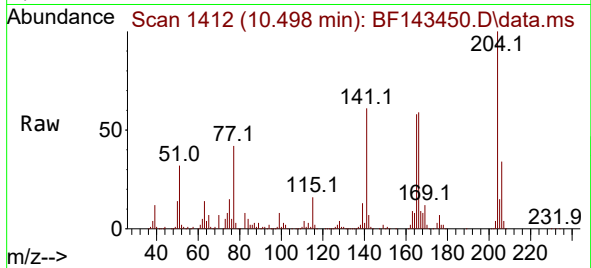




#61
4-Chlorophenyl-phenylether
Concen: 43.043 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

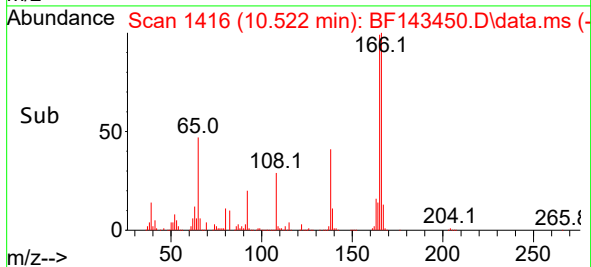
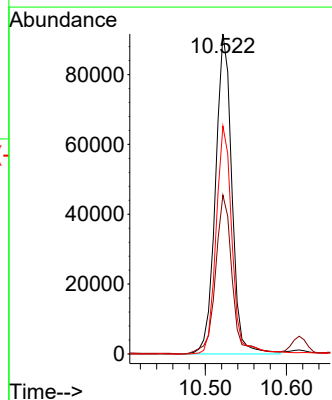
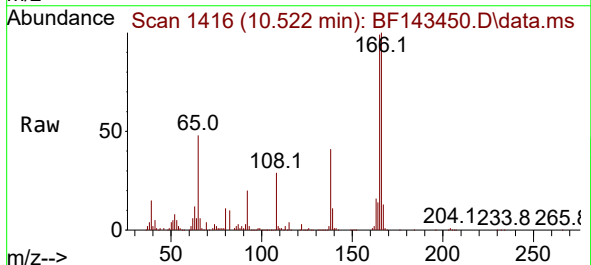
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

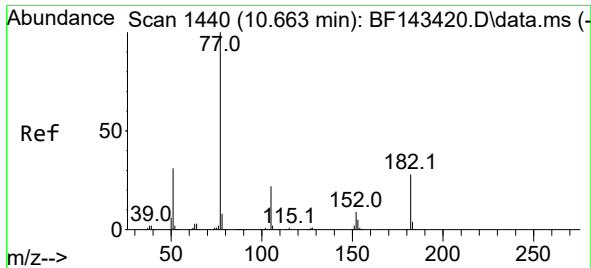
Tgt Ion:204 Resp: 326731
Ion Ratio Lower Upper
204 100
206 33.7 26.5 39.7
141 61.2 49.0 73.4



#62
4-Nitroaniline
Concen: 39.021 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:138 Resp: 128513
Ion Ratio Lower Upper
138 100
92 49.6 29.4 69.4
108 71.2 48.6 88.6

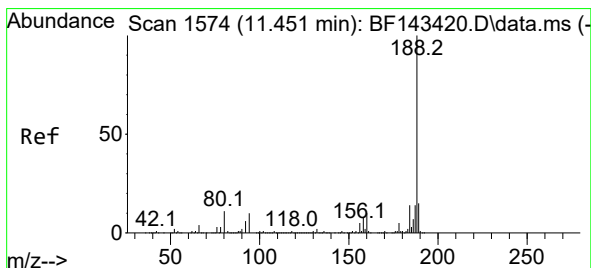
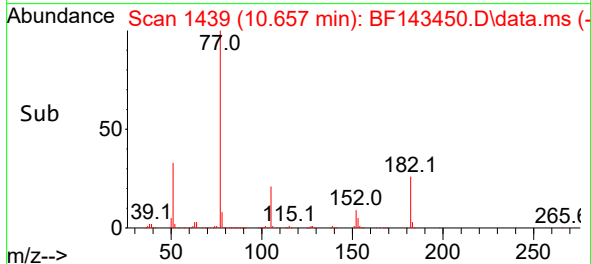
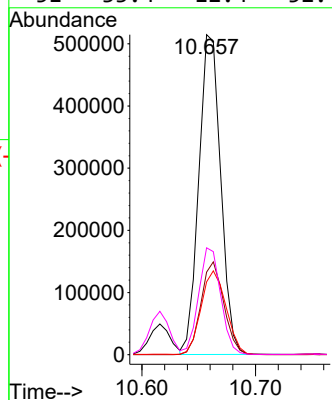
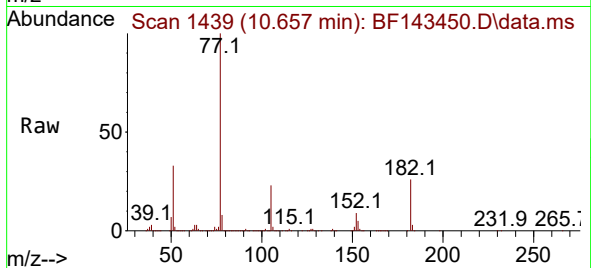




#63
Azobenzene
Concen: 46.034 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

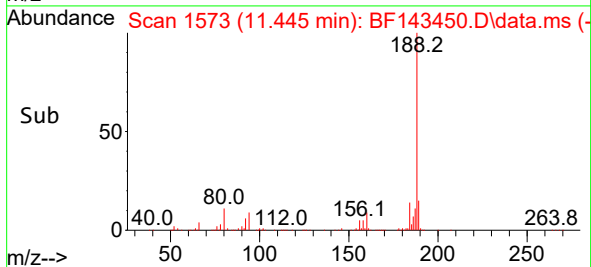
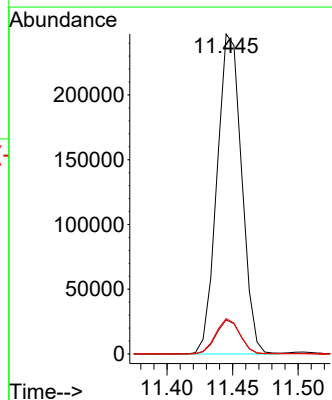
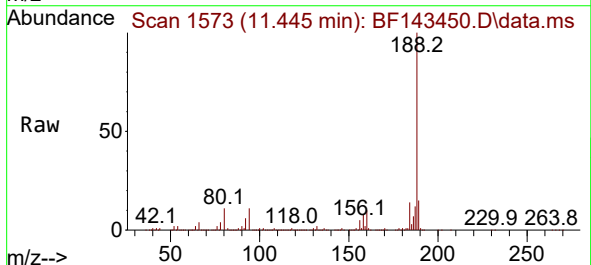
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

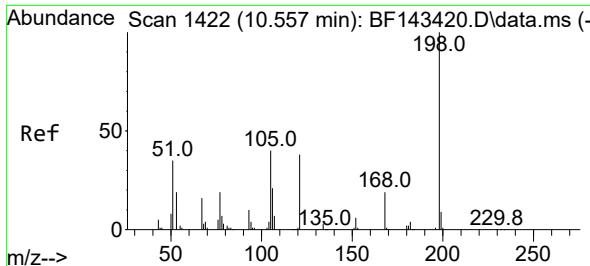
Tgt Ion: 77	Resp: 689523
Ion Ratio	Lower Upper
77 100	
182 25.8	7.4 47.4
105 22.8	1.7 41.7
51 33.4	12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:188	Resp: 322762		
Ion Ratio	Lower	Upper	
188 100			
94 10.7	8.0	12.0	
80 11.1	8.6	12.8	

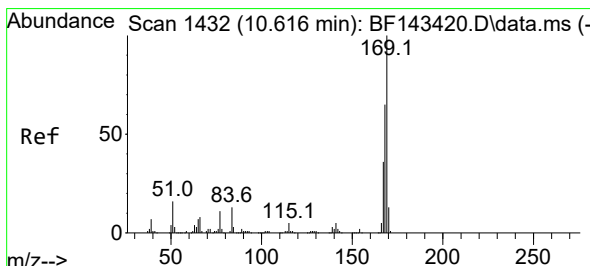
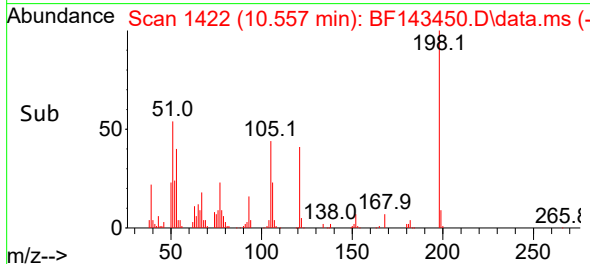
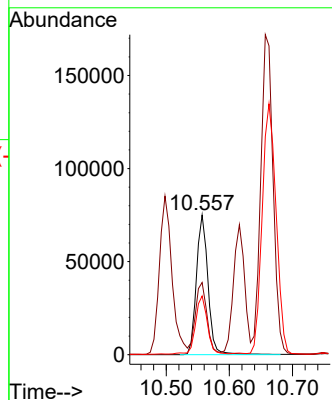
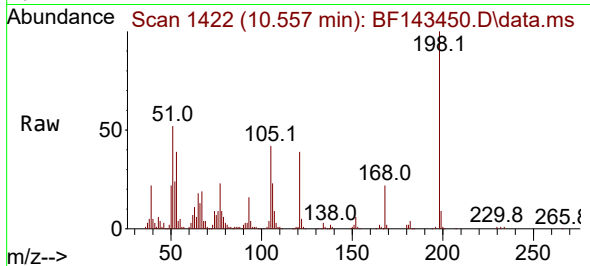




#65
4,6-Dinitro-2-methylphenol
Concen: 57.486 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

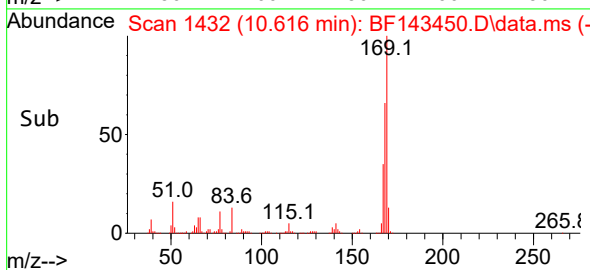
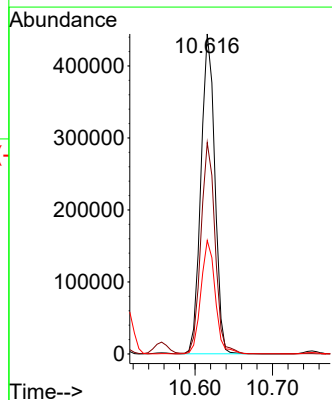
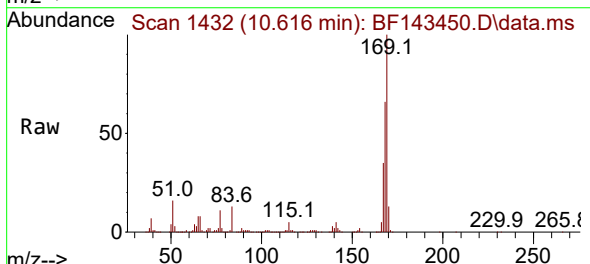
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

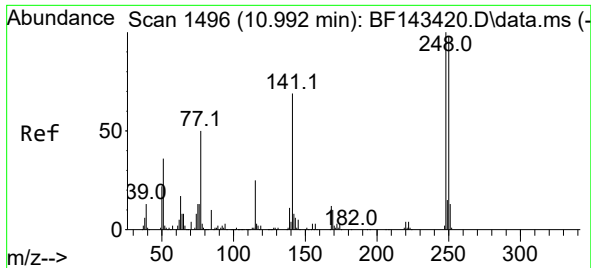
Tgt Ion:198 Resp: 95734
Ion Ratio Lower Upper
198 100
51 51.7 31.2 71.2
105 42.0 21.7 61.7



#66
n-Nitrosodiphenylamine
Concen: 52.656 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:169 Resp: 552606
Ion Ratio Lower Upper
169 100
168 66.0 52.5 78.7
167 35.5 28.6 42.8

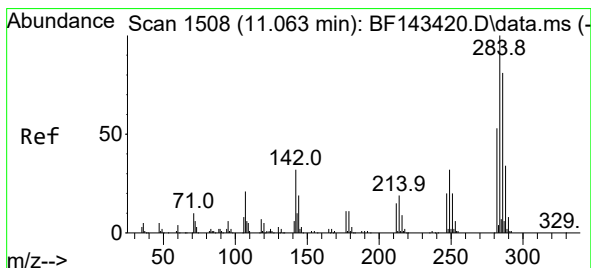
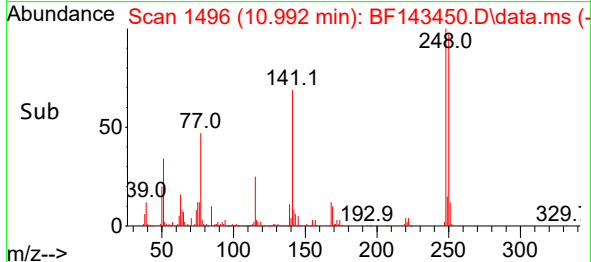
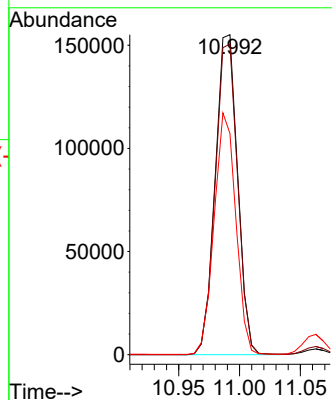
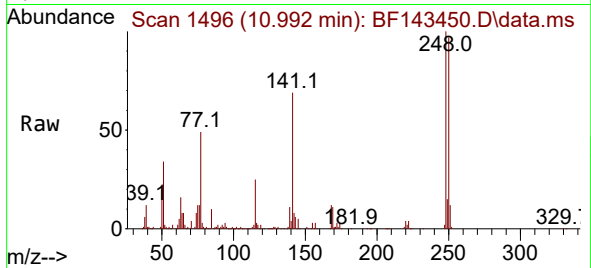




#67
4-Bromophenyl-phenylether
Concen: 52.207 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

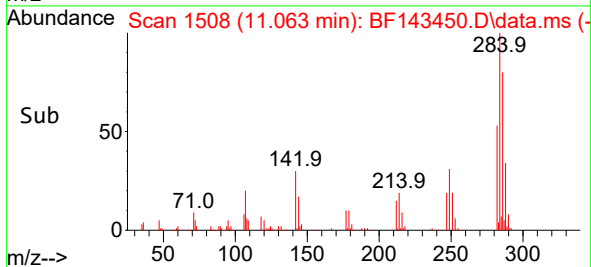
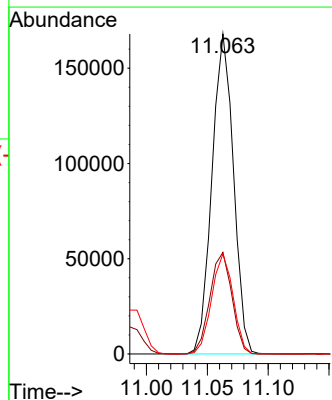
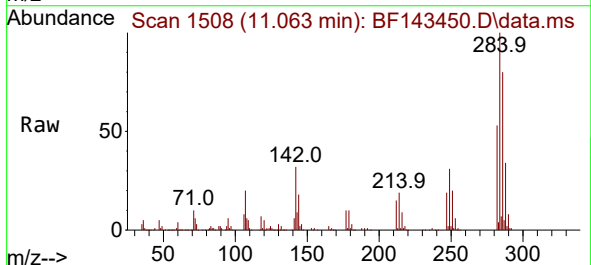
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

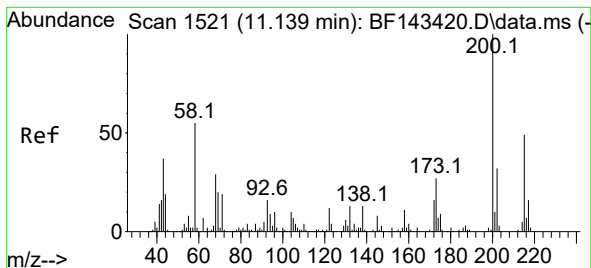
Tgt Ion:248 Resp: 198982
Ion Ratio Lower Upper
248 100
250 97.0 78.6 118.0
141 69.1 54.9 82.3



#68
Hexachlorobenzene
Concen: 50.996 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:284 Resp: 206631
Ion Ratio Lower Upper
284 100
142 31.8 25.4 38.2
249 31.2 25.4 38.0





#69

Atrazine

Concen: 53.703 ng

RT: 11.139 min Scan# 1521

Delta R.T. -0.000 min

Lab File: BF143450.D

Acq: 19 Aug 2025 12:04

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD

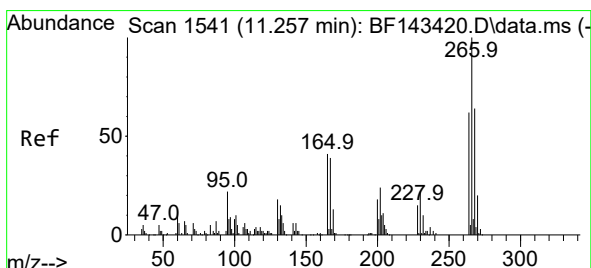
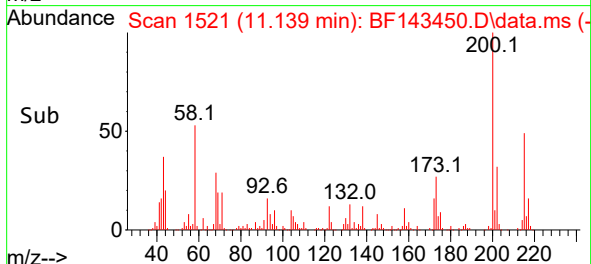
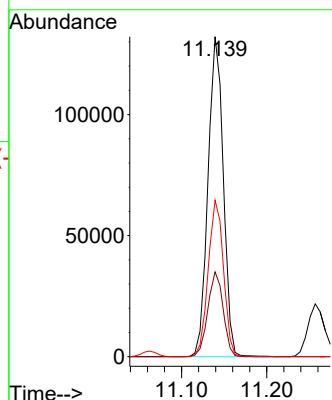
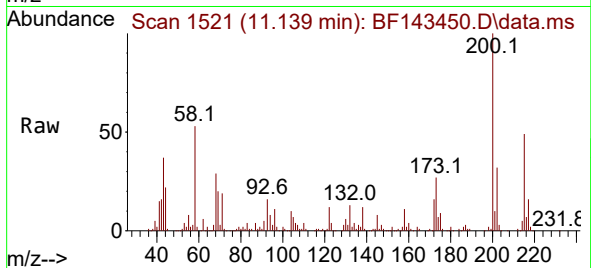
Tgt Ion:200 Resp: 164848

Ion Ratio Lower Upper

200 100

173 26.5 6.6 46.6

215 48.9 29.5 69.5



#70

Pentachlorophenol

Concen: 107.930 ng

RT: 11.257 min Scan# 1541

Delta R.T. -0.000 min

Lab File: BF143450.D

Acq: 19 Aug 2025 12:04

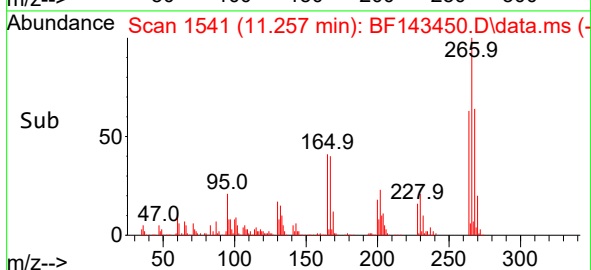
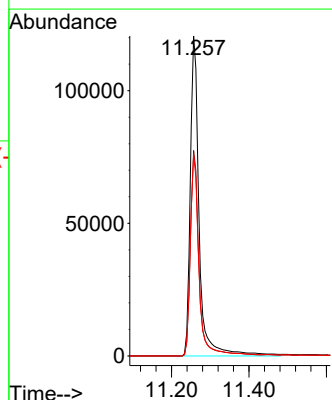
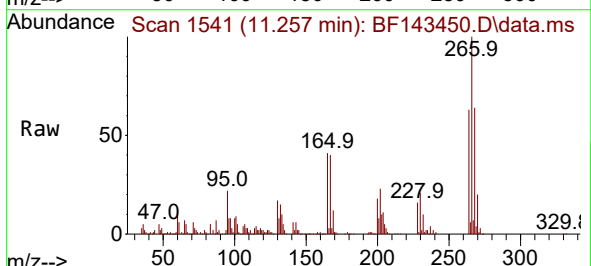
Tgt Ion:266 Resp: 192320

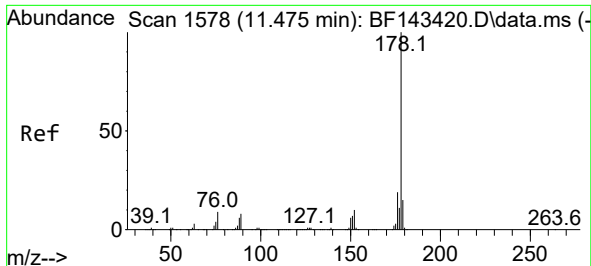
Ion Ratio Lower Upper

266 100

268 64.2 51.0 76.6

264 63.0 49.3 73.9

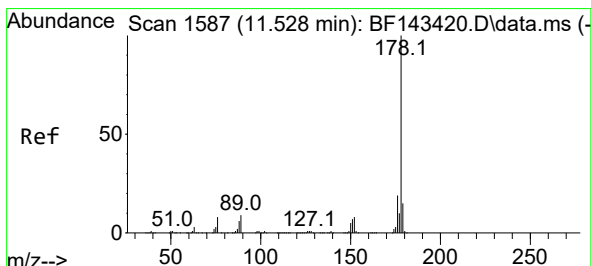
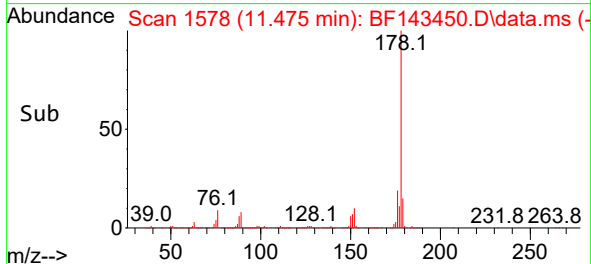
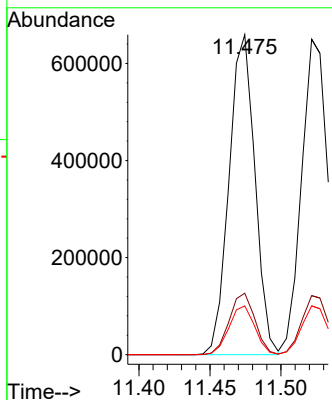
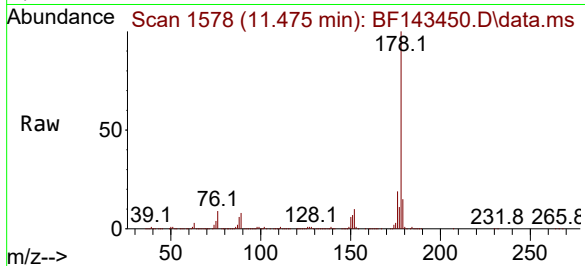




#71
Phenanthrene
Concen: 47.888 ng
RT: 11.475 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

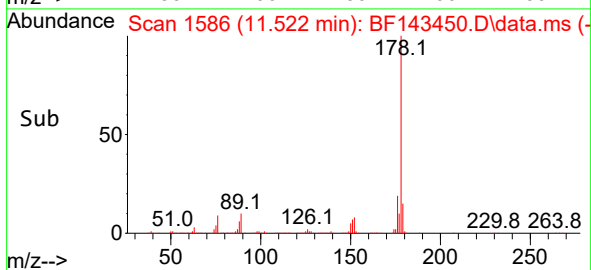
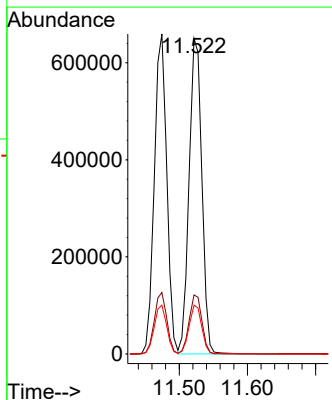
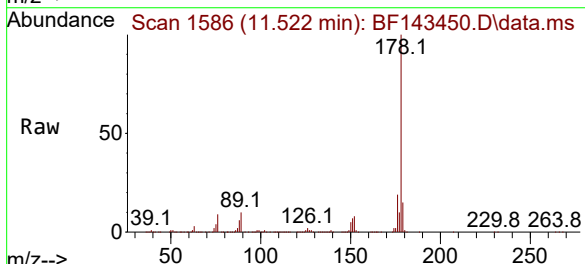
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

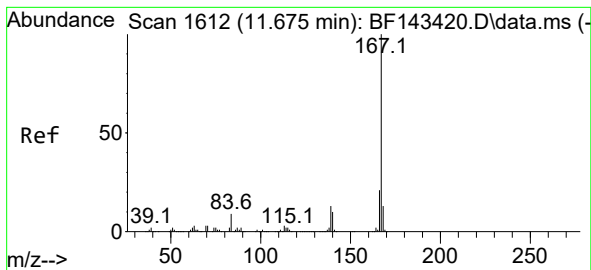
Tgt Ion:178 Resp: 836985
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.2 12.3 18.5



#72
Anthracene
Concen: 47.576 ng
RT: 11.522 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:178 Resp: 839872
Ion Ratio Lower Upper
178 100
176 18.7 14.8 22.2
179 15.5 12.2 18.4





#73

Carbazole

Concen: 44.616 ng

RT: 11.674 min Scan# 1612

Delta R.T. -0.000 min

Lab File: BF143450.D

Acq: 19 Aug 2025 12:04

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD

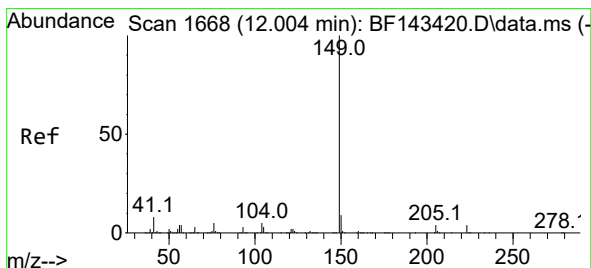
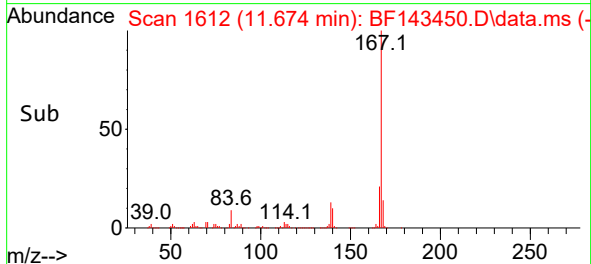
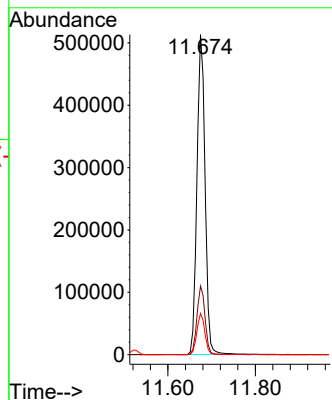
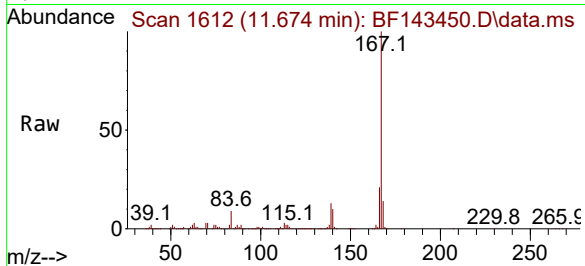
Tgt Ion:167 Resp: 666136

Ion Ratio Lower Upper

167 100

166 21.5 17.2 25.8

139 12.9 10.1 15.1



#74

Di-n-butylphthalate

Concen: 59.214 ng

RT: 12.004 min Scan# 1668

Delta R.T. -0.000 min

Lab File: BF143450.D

Acq: 19 Aug 2025 12:04

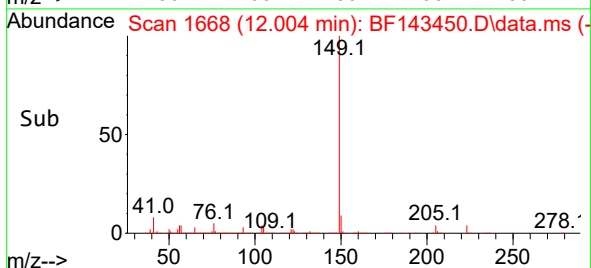
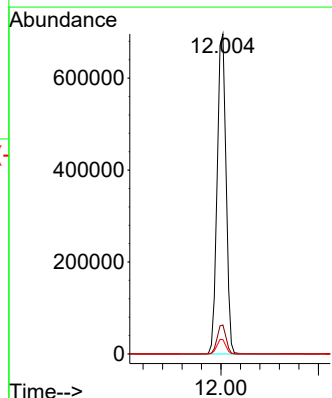
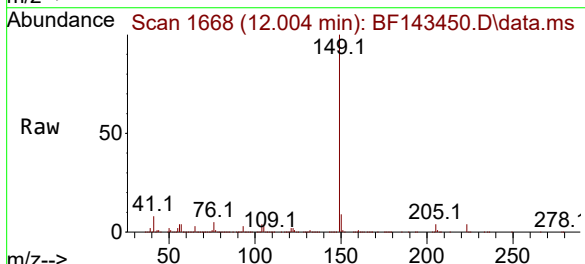
Tgt Ion:149 Resp: 880399

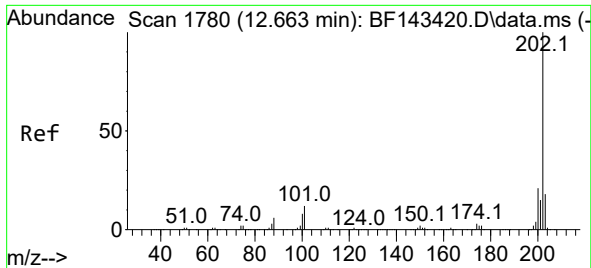
Ion Ratio Lower Upper

149 100

150 9.0 7.3 10.9

104 4.5 3.8 5.6

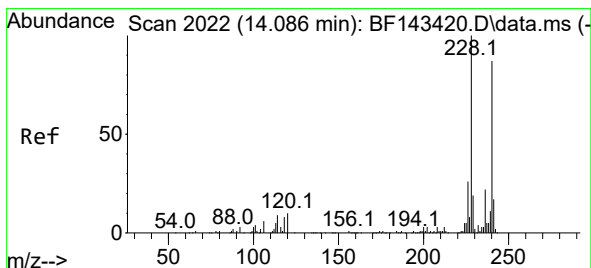
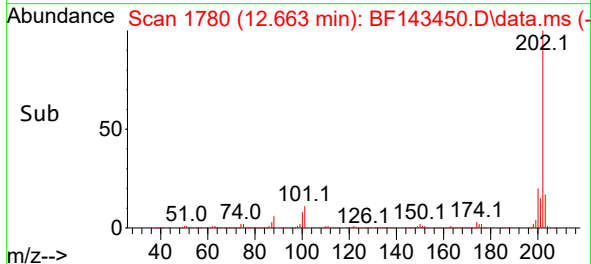
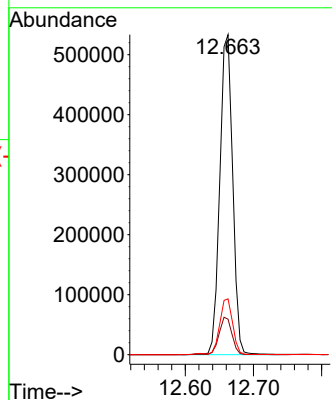
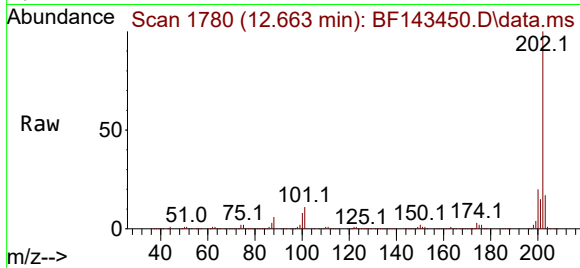




#75
Fluoranthene
Concen: 45.164 ng
RT: 12.663 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

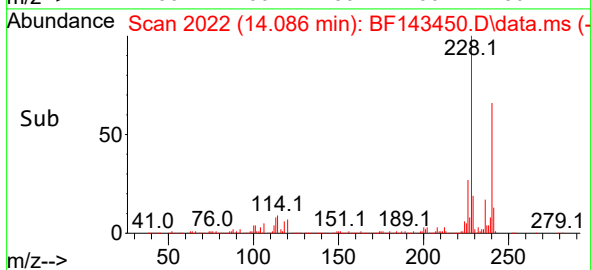
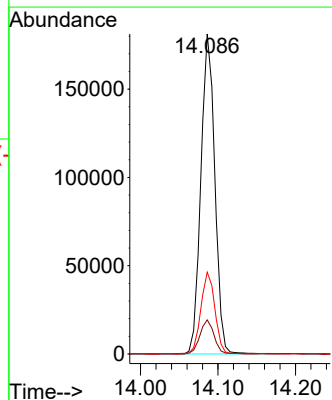
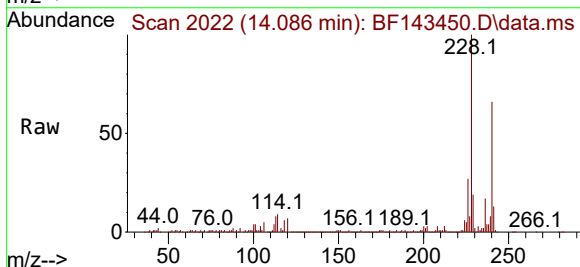
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

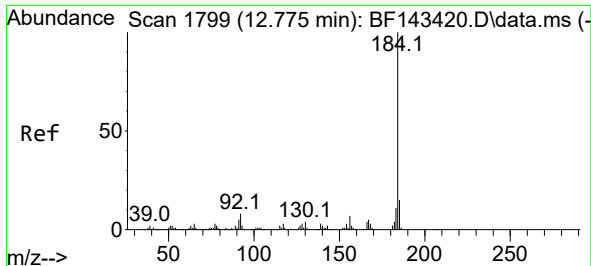
Tgt Ion:202 Resp: 701406
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.5
203 17.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:240 Resp: 226805
Ion Ratio Lower Upper
240 100
120 10.7 9.0 13.4
236 25.6 20.2 30.2

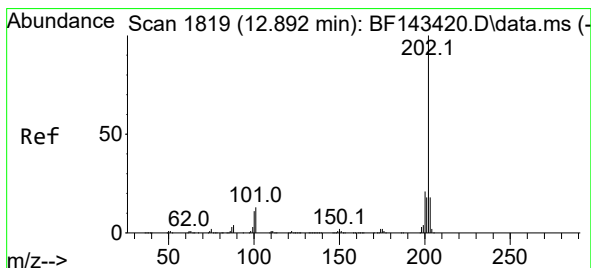
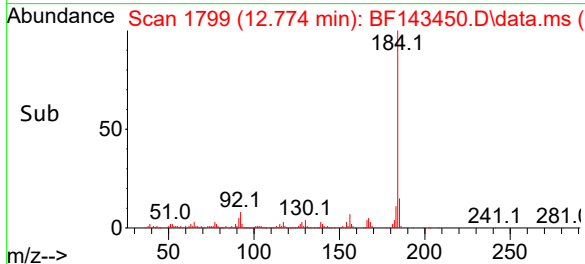
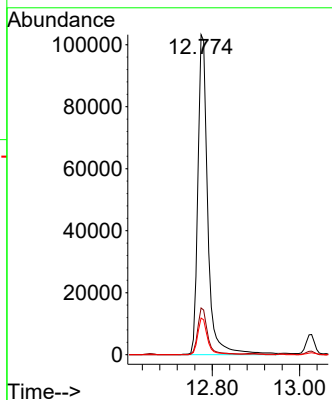
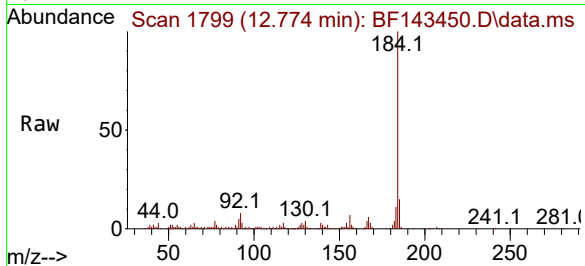




#77
Benzidine
Concen: 24.063 ng
RT: 12.774 min Scan# 1799
Delta R.T. -0.001 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

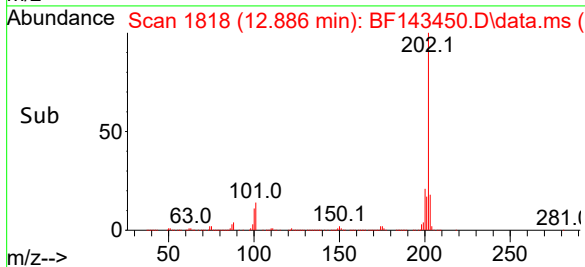
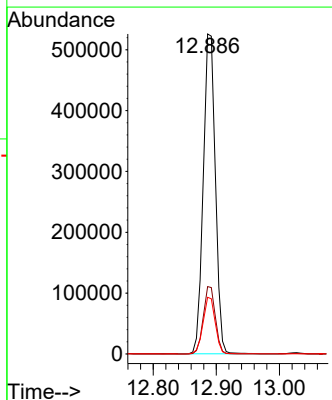
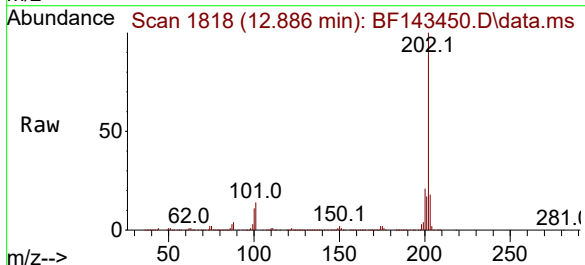
Instrument : BNA_F
ClientSampleId : DRILL CUTTING 1-3 COMPMSD

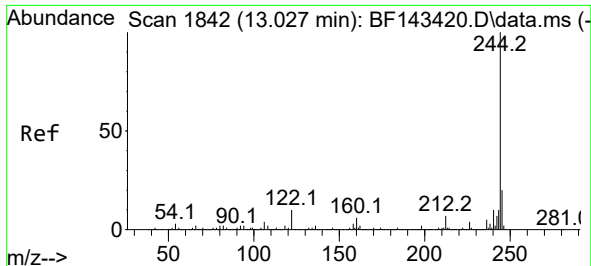
Tgt Ion:184 Resp: 162975
Ion Ratio Lower Upper
184 100
185 14.6 12.2 18.2
183 11.5 9.2 13.8



#78
Pyrene
Concen: 35.499 ng
RT: 12.886 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:202 Resp: 699804
Ion Ratio Lower Upper
202 100
200 21.0 17.1 25.7
203 17.7 14.2 21.2

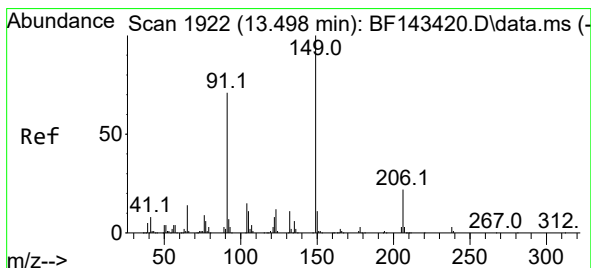
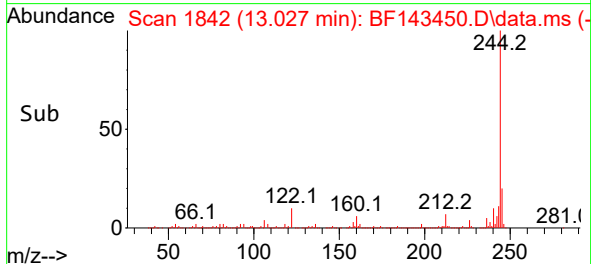
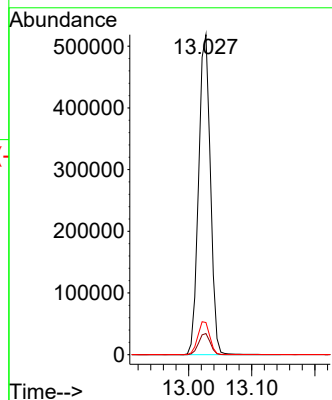
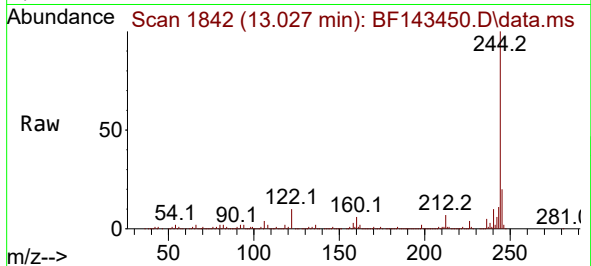




#79
 Terphenyl-d14
 Concen: 49.609 ng
 RT: 13.027 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: BF143450.D
 Acq: 19 Aug 2025 12:04

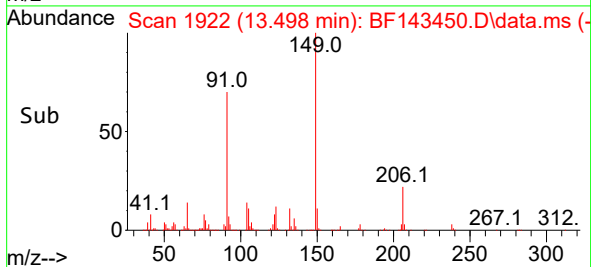
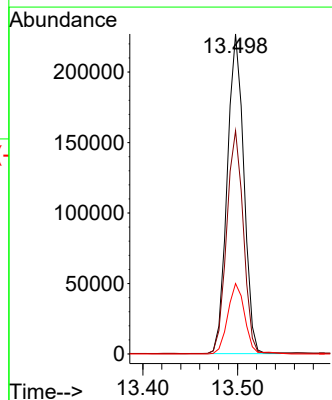
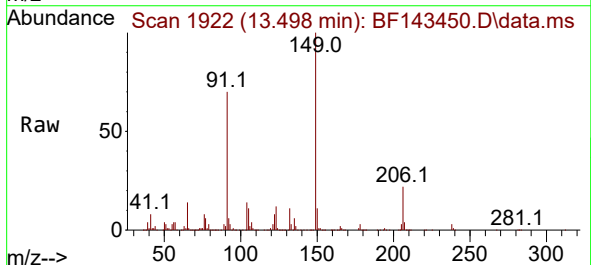
Instrument :
 BNA_F
 ClientSampleId :
 DRILL CUTTING 1-3 COMPMSD

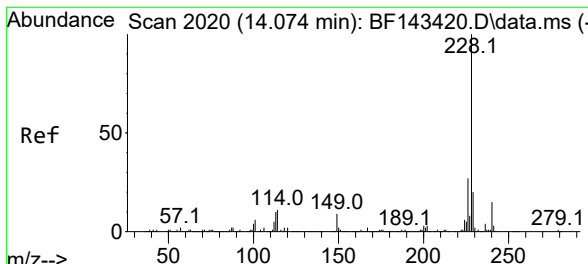
Tgt Ion:244 Resp: 669799
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.2 7.8
 122 10.1 8.3 12.5



#80
 Butylbenzylphthalate
 Concen: 56.711 ng
 RT: 13.498 min Scan# 1922
 Delta R.T. -0.000 min
 Lab File: BF143450.D
 Acq: 19 Aug 2025 12:04

Tgt Ion:149 Resp: 276906
 Ion Ratio Lower Upper
 149 100
 91 69.7 57.0 85.4
 206 22.0 17.6 26.4

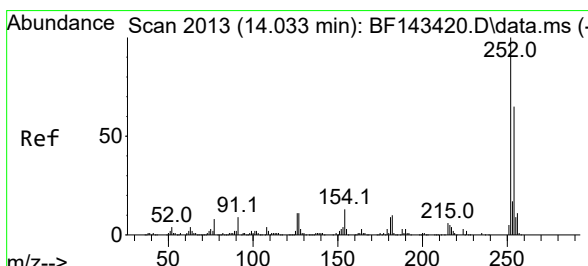
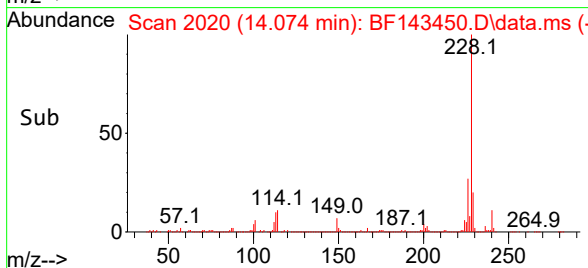
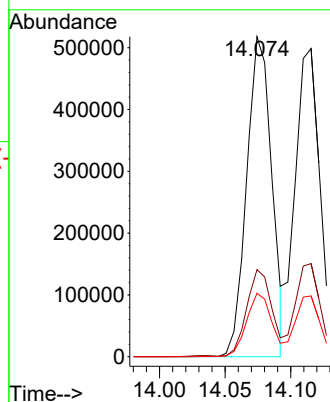
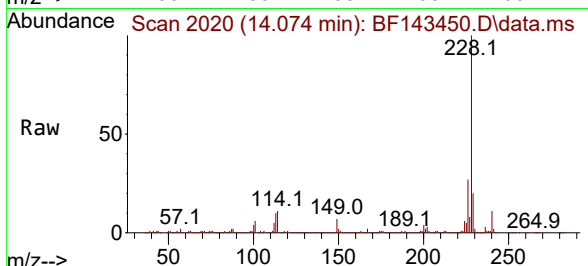




#81
Benzo(a)anthracene
Concen: 47.595 ng
RT: 14.074 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

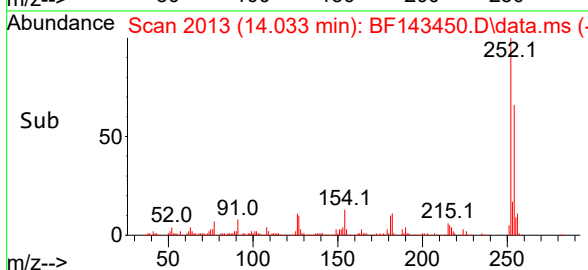
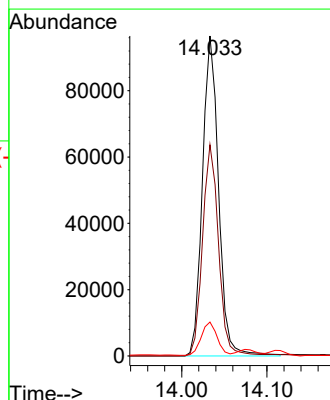
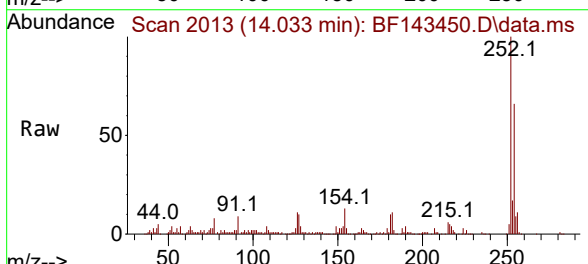
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

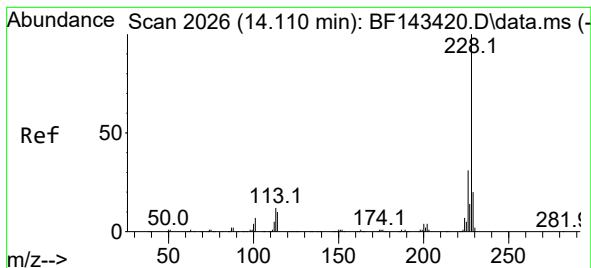
Tgt Ion:228	Resp: 687251
Ion Ratio	Lower Upper
228	100
226	27.2 21.5 32.3
229	19.8 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 30.028 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:252	Resp: 126949
Ion Ratio	Lower Upper
252	100
254	66.0 51.6 77.4
126	10.6 8.8 13.2





#83

Chrysene

Concen: 49.341 ng

RT: 14.116 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143450.D

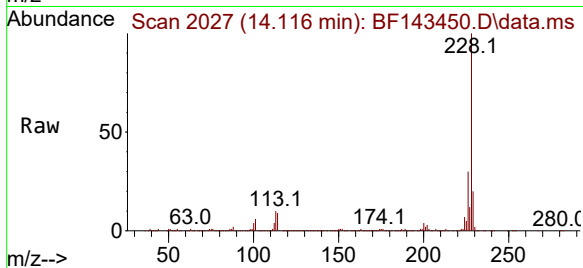
Acq: 19 Aug 2025 12:04

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD



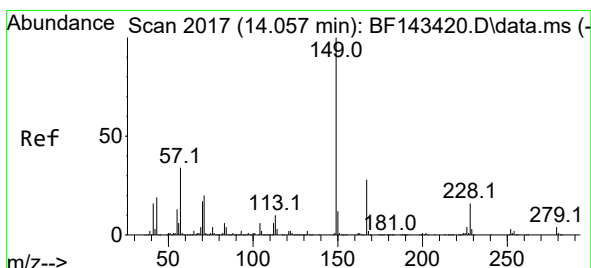
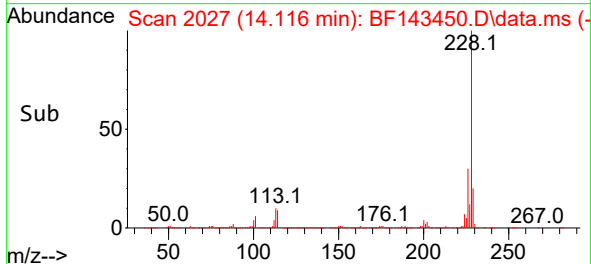
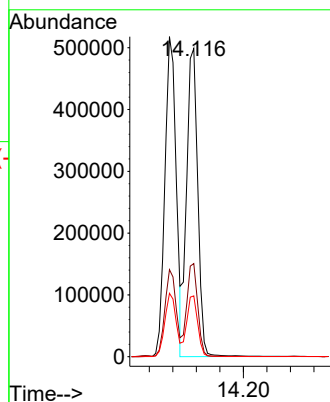
Tgt Ion:228 Resp: 658665

Ion Ratio Lower Upper

228 100

226 30.3 24.3 36.5

229 19.7 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.504 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF143450.D

Acq: 19 Aug 2025 12:04

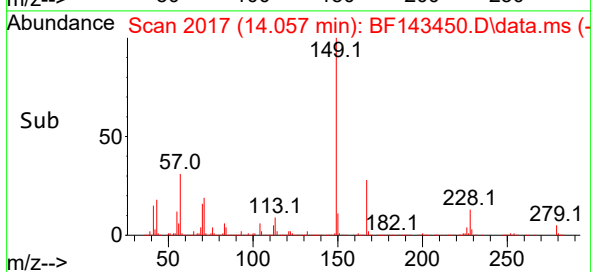
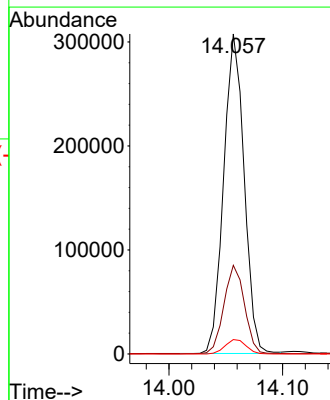
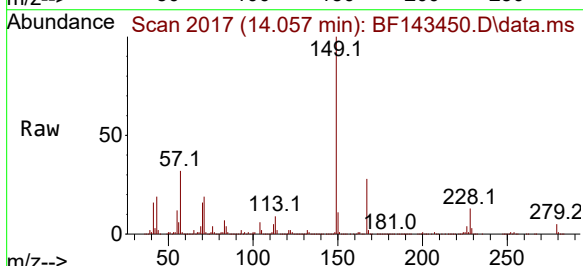
Tgt Ion:149 Resp: 384878

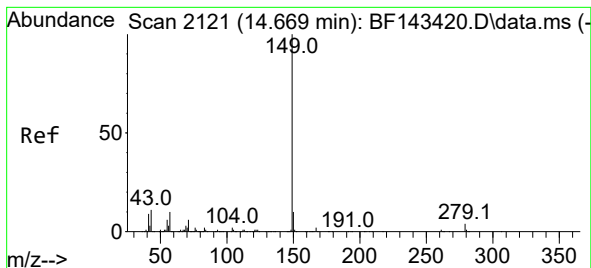
Ion Ratio Lower Upper

149 100

167 27.7 22.6 33.8

279 4.5 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 50.636 ng

RT: 14.668 min Scan# 2121

Delta R.T. -0.000 min

Lab File: BF143450.D

Acq: 19 Aug 2025 12:04

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD

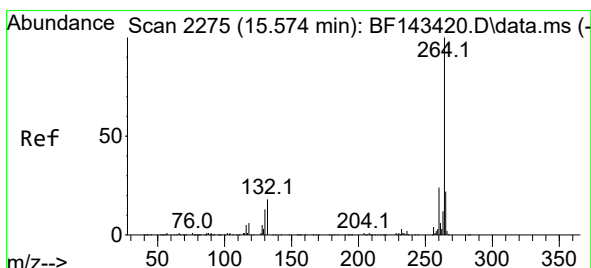
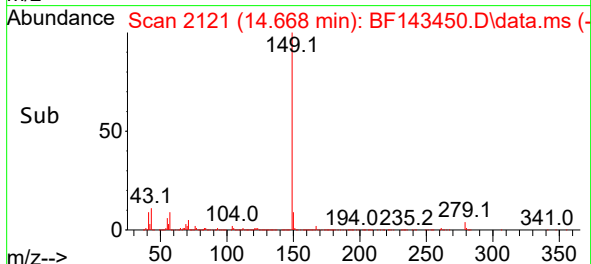
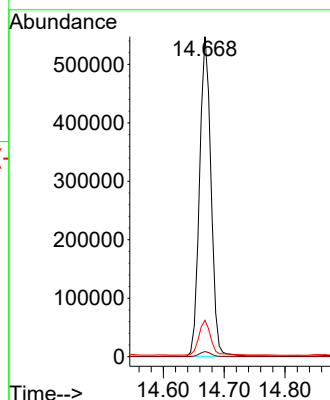
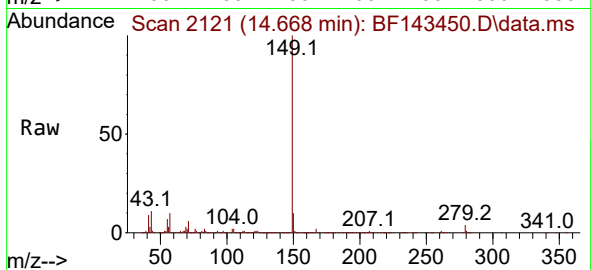
Tgt Ion:149 Resp: 712165

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 11.4 9.0 13.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 2275

Delta R.T. -0.000 min

Lab File: BF143450.D

Acq: 19 Aug 2025 12:04

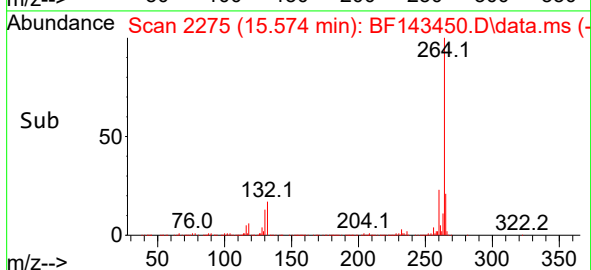
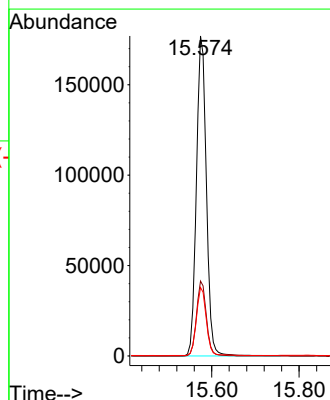
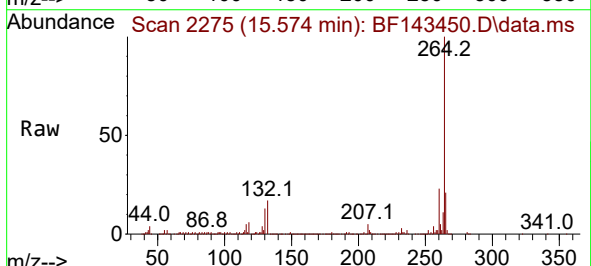
Tgt Ion:264 Resp: 281296

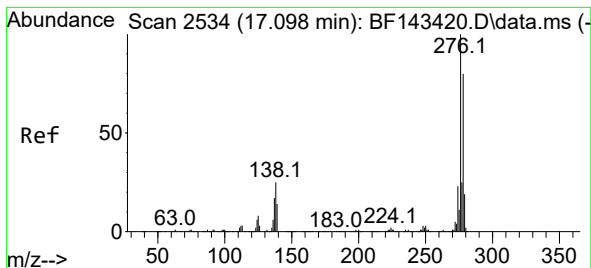
Ion Ratio Lower Upper

264 100

260 23.4 18.8 28.2

265 21.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 33.188 ng

RT: 17.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143450.D

Acq: 19 Aug 2025 12:04

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD

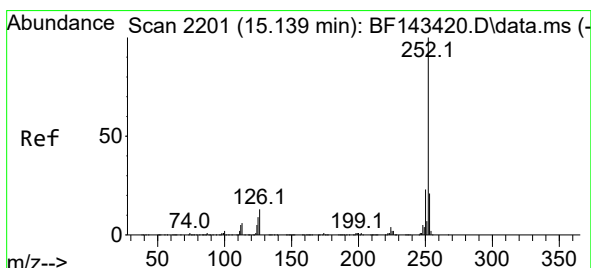
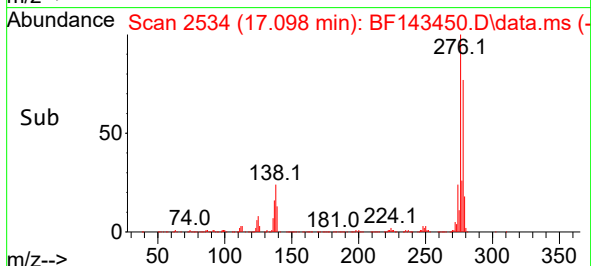
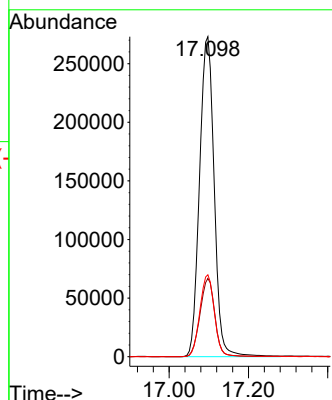
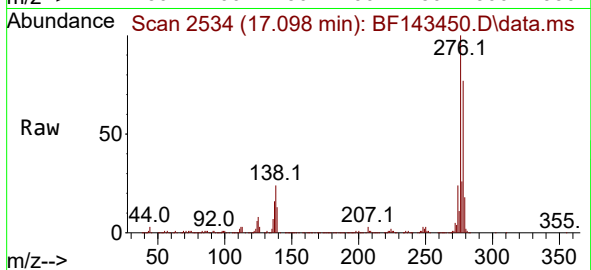
Tgt Ion:276 Resp: 700088

Ion Ratio Lower Upper

276 100

138 24.7 20.2 30.4

277 25.5 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 56.923 ng

RT: 15.139 min Scan# 2201

Delta R.T. -0.000 min

Lab File: BF143450.D

Acq: 19 Aug 2025 12:04

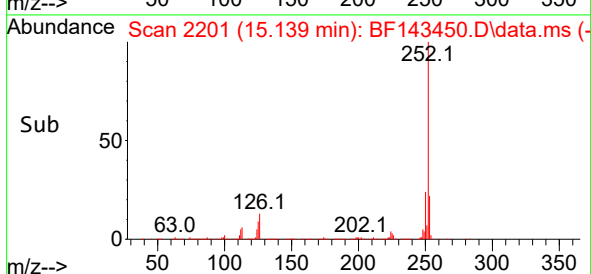
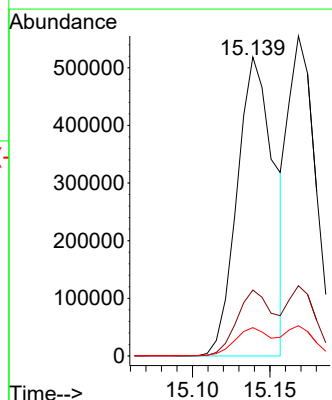
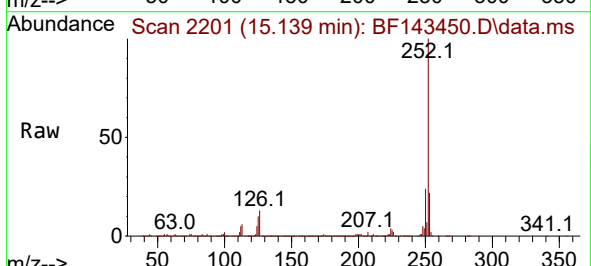
Tgt Ion:252 Resp: 858196

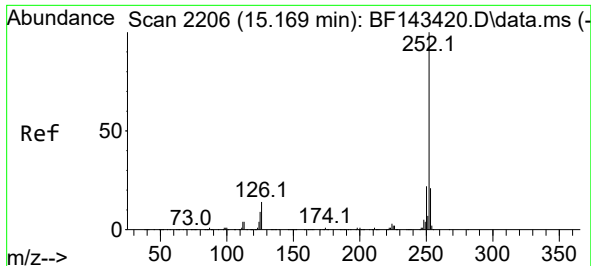
Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

125 9.5 7.5 11.3

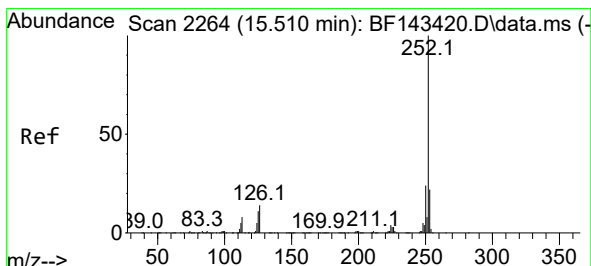
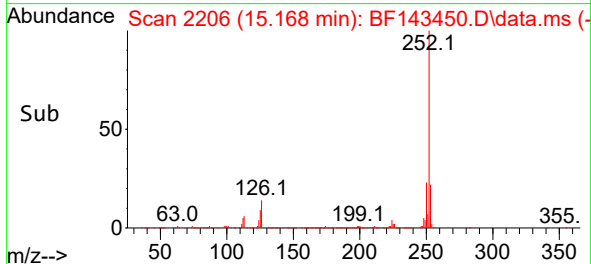
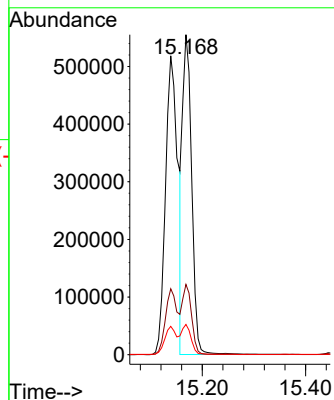
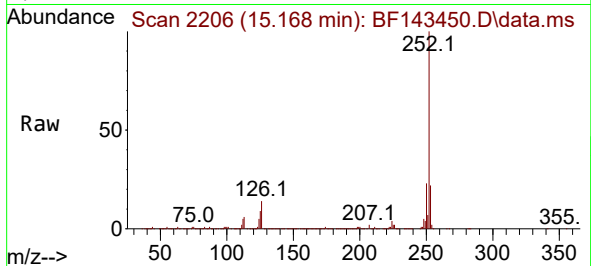




#89
Benzo(k)fluoranthene
Concen: 46.147 ng
RT: 15.168 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

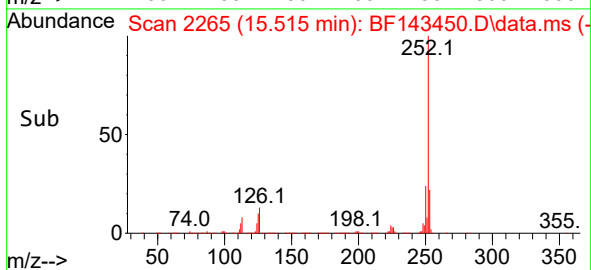
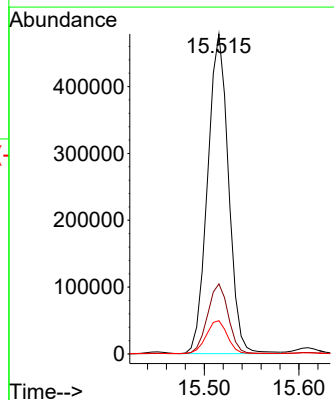
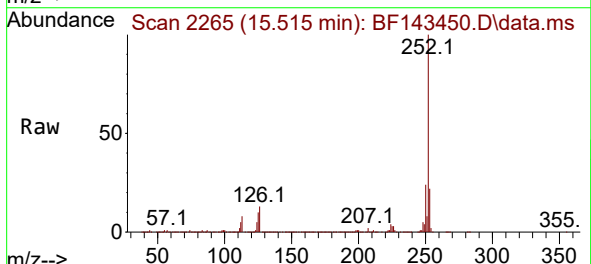
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

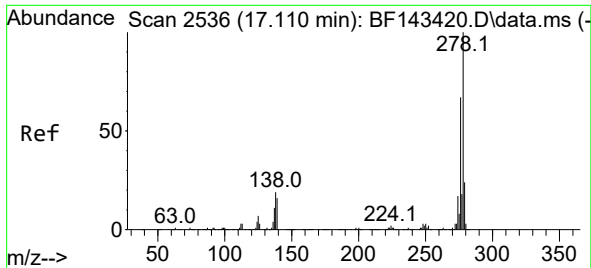
Tgt Ion:252 Resp: 686212
Ion Ratio Lower Upper
252 100
253 21.9 17.2 25.8
125 9.5 7.4 11.2



#90
Benzo(a)pyrene
Concen: 51.115 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:252 Resp: 733985
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 10.4 8.6 12.8

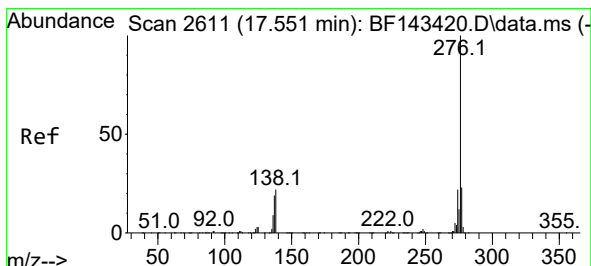
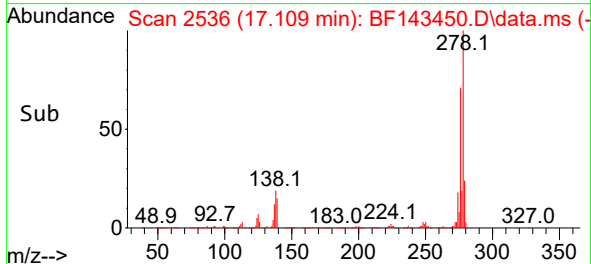
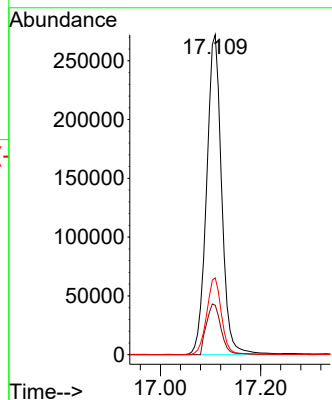
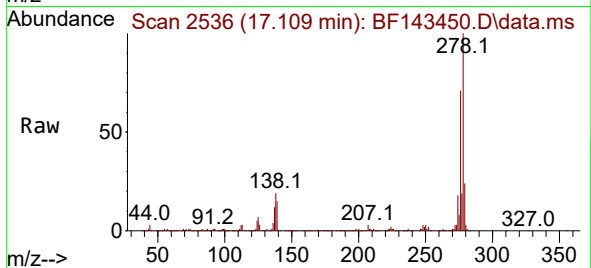




#91
Dibenzo(a,h)anthracene
Concen: 33.554 ng
RT: 17.109 min Scan# 2536
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument : BNA_F
ClientSampleId : DRILL CUTTING 1-3 COMPMSD

Tgt Ion:278 Resp: 568407
Ion Ratio Lower Upper
278 100
139 15.5 12.9 19.3
279 24.0 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 31.319 ng
RT: 17.551 min Scan# 2611
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:276 Resp: 530004
Ion Ratio Lower Upper
276 100
277 23.4 18.7 28.1
138 21.5 17.5 26.3

