

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143449.D
 Acq On : 19 Aug 2025 11:35
 Operator : RC/JU
 Sample : Q2873-01MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRILL CUTTING 1-3 COMPMS

Quant Time: Aug 19 12:36:21 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	121157	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	450837	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	228619	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	301268	20.000	ng	0.00
76) Chrysene-d12	14.086	240	229466	20.000	ng	0.00
86) Perylene-d12	15.574	264	284363	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	610514	87.595	ng	0.01
7) Phenol-d6	6.557	99	752395	85.660	ng	0.00
23) Nitrobenzene-d5	7.487	82	488097	64.243	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	168318	82.716	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	919018	67.614	ng	0.00
79) Terphenyl-d14	13.027	244	625894	45.820	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.810	88	154224	45.970	ng	99
3) Pyridine	3.575	79	374355	42.545	ng	99
4) n-Nitrosodimethylamine	3.516	42	208501	50.980	ng	100
6) Aniline	6.587	93	357522	29.983	ng	# 82
8) 2-Chlorophenol	6.716	128	355400	46.187	ng	99
9) Benzaldehyde	6.475	77	201358	43.093	ng	100
10) Phenol	6.575	94	449783	43.883	ng	99
11) bis(2-Chloroethyl)ether	6.657	93	345555	45.482	ng	98
12) 1,3-Dichlorobenzene	6.869	146	406303	47.137	ng	100
13) 1,4-Dichlorobenzene	6.945	146	411718	47.844	ng	100
14) 1,2-Dichlorobenzene	7.098	146	392811	47.791	ng	100
15) Benzyl Alcohol	7.063	79	312919	48.309	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.198	45	584765	45.021	ng	98
17) 2-Methylphenol	7.181	107	287919	45.861	ng	99
18) Hexachloroethane	7.440	117	136425	46.575	ng	99
19) n-Nitroso-di-n-propyla...	7.334	70	247140	45.449	ng	98
20) 3+4-Methylphenols	7.334	107	334628	44.586	ng	98
22) Acetophenone	7.328	105	469144	48.399	ng	99
24) Nitrobenzene	7.504	77	377953	47.597	ng	98
25) Isophorone	7.745	82	679129	46.703	ng	99
26) 2-Nitrophenol	7.822	139	187455	50.923	ng	99
27) 2,4-Dimethylphenol	7.857	122	270864	43.519	ng	98
28) bis(2-Chloroethoxy)met...	7.951	93	412651	46.169	ng	100
29) 2,4-Dichlorophenol	8.069	162	291798	45.991	ng	100
30) 1,2,4-Trichlorobenzene	8.151	180	324051	49.847	ng	99
31) Naphthalene	8.228	128	995711	46.521	ng	100
32) Benzoic acid	7.981	122	156661	48.397	ng	98
33) 4-Chloroaniline	8.275	127	114610	14.835	ng	99
34) Hexachlorobutadiene	8.351	225	215006	51.865	ng	99
35) Caprolactam	8.639	113	86073	47.120	ng	99
36) 4-Chloro-3-methylphenol	8.763	107	305716	46.785	ng	99
37) 2-Methylnaphthalene	8.922	142	632537	43.843	ng	99
38) 1-Methylnaphthalene	9.022	142	647520	46.845	ng	100
40) 1,2,4,5-Tetrachloroben...	9.086	216	331482	51.990	ng	99
41) Hexachlorocyclopentadiene	9.075	237	303655	126.418	ng	98
43) 2,4,6-Trichlorophenol	9.198	196	205229	51.600	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143449.D
 Acq On : 19 Aug 2025 11:35
 Operator : RC/JU
 Sample : Q2873-01MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRILL CUTTING 1-3 COMPMS

Quant Time: Aug 19 12:36:21 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

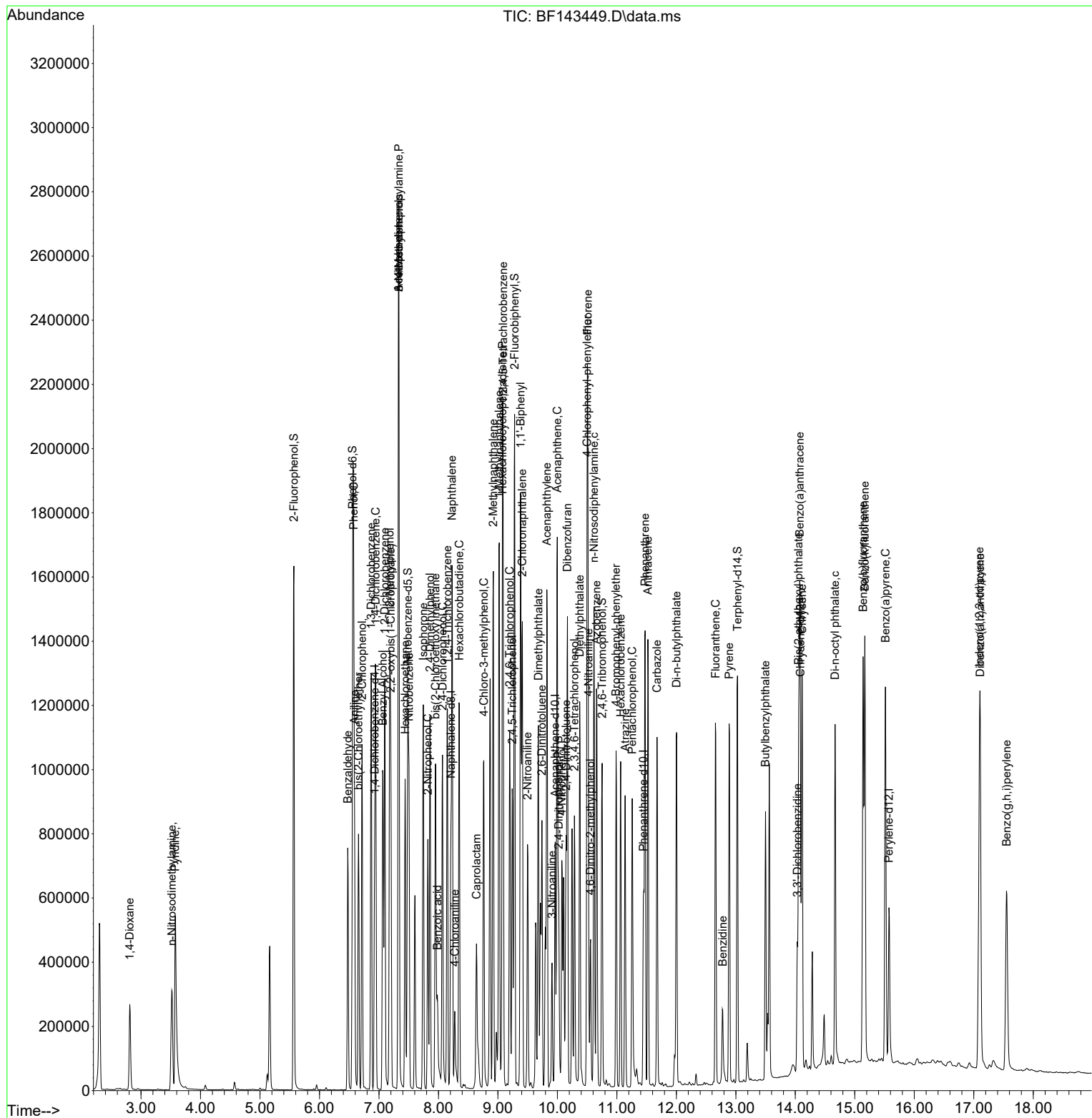
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	215454	50.536	ng	97
46) 1,1'-Biphenyl	9.381	154	805086	50.120	ng	99
47) 2-Chloronaphthalene	9.410	162	599135	47.252	ng	99
48) 2-Nitroaniline	9.498	65	178805	47.387	ng	99
49) Acenaphthylene	9.822	152	952589	52.034	ng	100
50) Dimethylphthalate	9.681	163	680406	47.737	ng	99
51) 2,6-Dinitrotoluene	9.739	165	146286	52.063	ng	97
52) Acenaphthene	9.998	154	606233	49.235	ng	100
53) 3-Nitroaniline	9.910	138	81000	25.880	ng	99
54) 2,4-Dinitrophenol	10.022	184	119594	90.720	ng	98
55) Dibenzofuran	10.169	168	802136	45.159	ng	98
56) 4-Nitrophenol	10.075	139	168682	85.723	ng	96
57) 2,4-Dinitrotoluene	10.145	165	184190	49.168	ng	98
58) Fluorene	10.510	166	599489	43.933	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.286	232	157718	48.871	ng	99
60) Diethylphthalate	10.375	149	617383	46.873	ng	100
61) 4-Chlorophenyl-phenyle...	10.498	204	307174	45.531	ng	99
62) 4-Nitroaniline	10.522	138	120228	41.074	ng	99
63) Azobenzene	10.657	77	636313	47.798	ng	98
65) 4,6-Dinitro-2-methylph...	10.557	198	86890	55.898	ng	99
66) n-Nitrosodiphenylamine	10.616	169	509521	52.014	ng	100
67) 4-Bromophenyl-phenylether	10.986	248	184233	51.786	ng	96
68) Hexachlorobenzene	11.063	284	191784	50.709	ng	99
69) Atrazine	11.139	200	148322	51.767	ng	99
70) Pentachlorophenol	11.257	266	172361	103.630	ng	99
71) Phenanthrene	11.475	178	776435	47.593	ng	100
72) Anthracene	11.522	178	772138	46.860	ng	99
73) Carbazole	11.675	167	625322	44.871	ng	100
74) Di-n-butylphthalate	12.004	149	797580	57.471	ng	100
75) Fluoranthene	12.657	202	655932	45.249	ng	99
77) Benzidine	12.780	184	143473	20.938	ng	99
78) Pyrene	12.886	202	655040	32.843	ng	100
80) Butylbenzylphthalate	13.498	149	258783	52.385	ng	100
81) Benzo(a)anthracene	14.074	228	683053	46.755	ng	99
82) 3,3'-Dichlorobenzidine	14.033	252	124926	29.206	ng	100
83) Chrysene	14.116	228	655070	48.503	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	371677	52.979	ng	99
85) Di-n-octyl phthalate	14.668	149	701407	49.293	ng	100
87) Indeno(1,2,3-cd)pyrene	17.098	276	714910	33.525	ng	99
88) Benzo(b)fluoranthene	15.139	252	869532	57.053	ng	98
89) Benzo(k)fluoranthene	15.168	252	665050	44.242	ng	99
90) Benzo(a)pyrene	15.515	252	738937	50.905	ng	100
91) Dibenzo(a,h)anthracene	17.109	278	582864	34.037	ng	99
92) Benzo(g,h,i)perylene	17.551	276	541892	31.676	ng	100

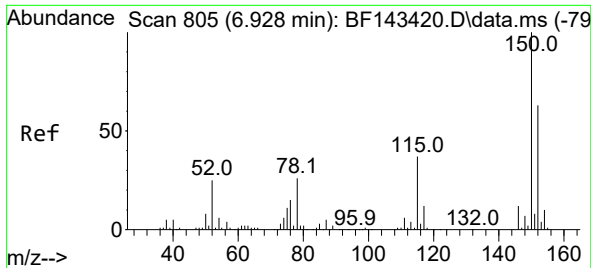
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143449.D
Acq On : 19 Aug 2025 11:35
Operator : RC/JU
Sample : Q2873-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Quant Time: Aug 19 12:36:21 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

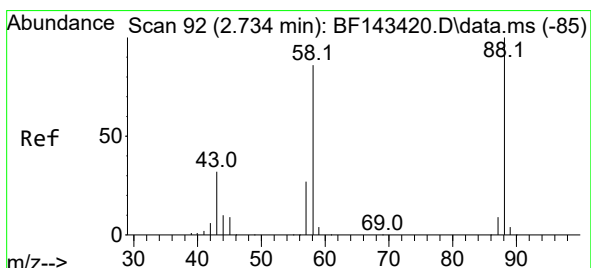
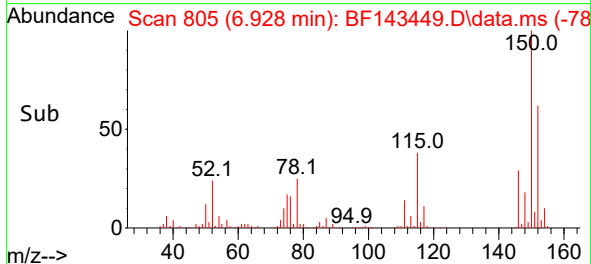
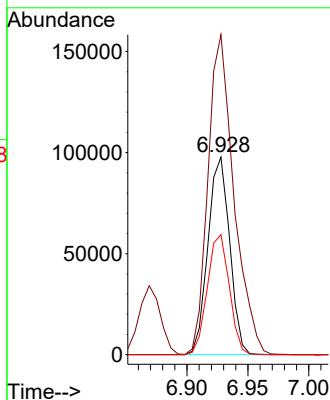
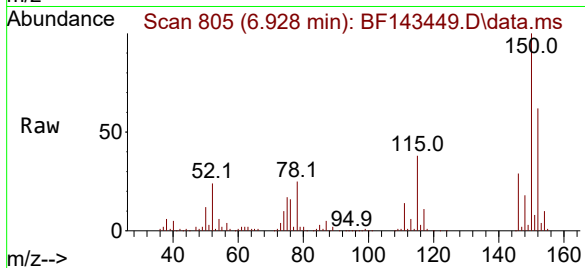




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

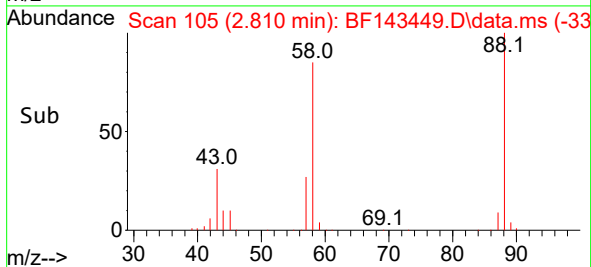
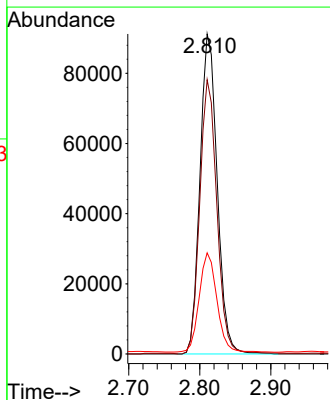
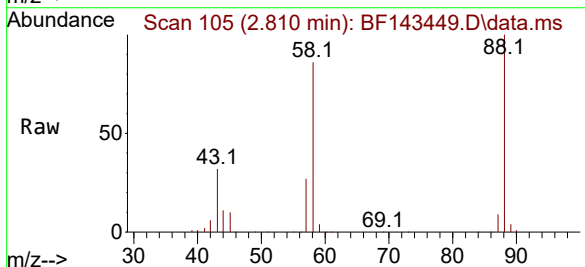
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

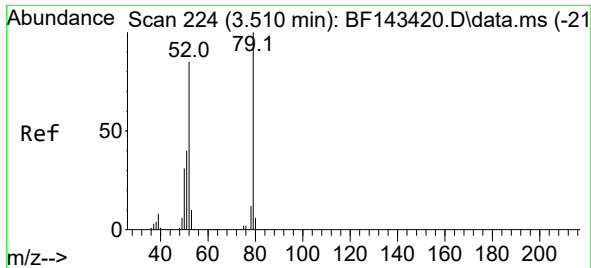
Tgt Ion:152 Resp: 121157
Ion Ratio Lower Upper
152 100
150 162.0 127.4 191.2
115 60.8 47.5 71.3



#2
1,4-Dioxane
Concen: 45.970 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.076 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion: 88 Resp: 154224
Ion Ratio Lower Upper
88 100
58 85.7 68.7 103.1
43 31.9 26.1 39.1





#3

Pyridine

Concen: 42.545 ng

RT: 3.575 min Scan# 21

Delta R.T. 0.065 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

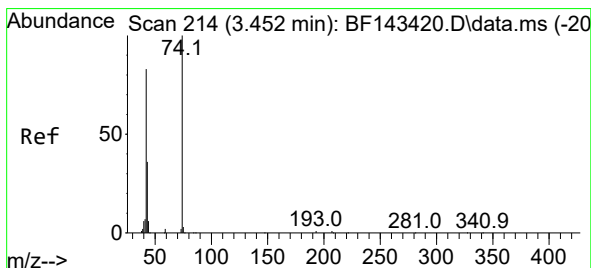
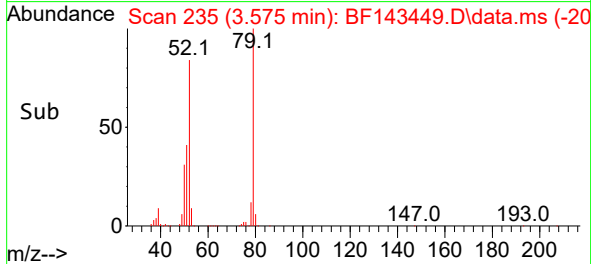
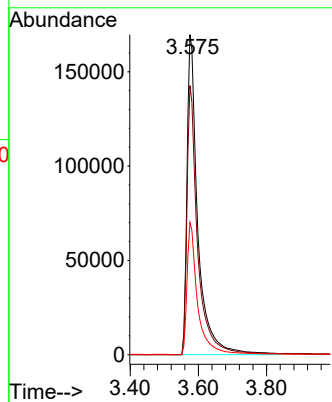
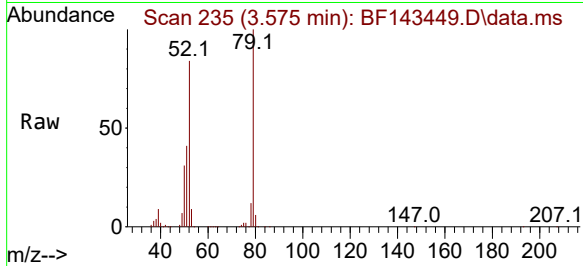
Tgt Ion: 79 Resp: 374355

Ion Ratio Lower Upper

79 100

52 84.1 67.7 101.5

51 41.3 32.3 48.5



#4

n-Nitrosodimethylamine

Concen: 50.980 ng

RT: 3.516 min Scan# 225

Delta R.T. 0.065 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

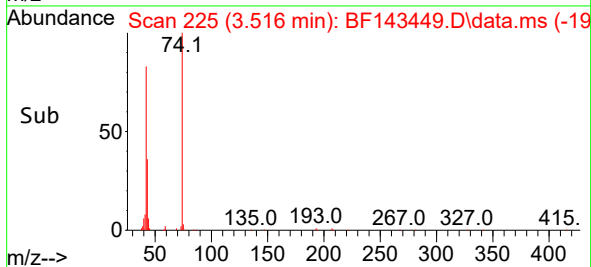
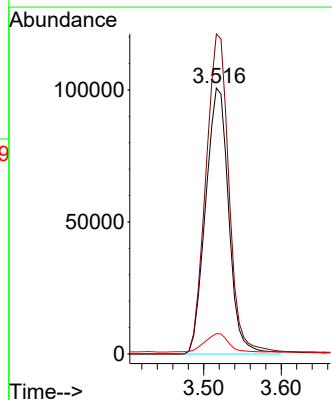
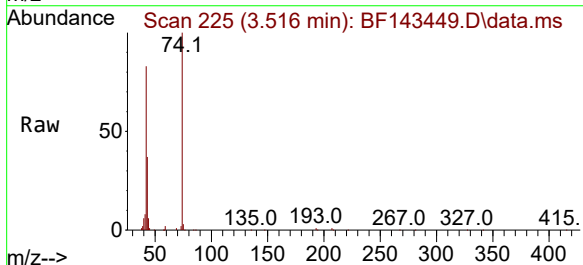
Tgt Ion: 42 Resp: 208501

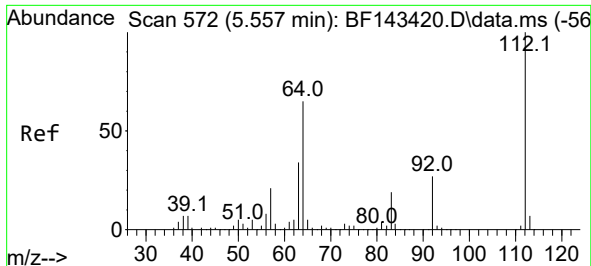
Ion Ratio Lower Upper

42 100

74 120.3 96.2 144.4

44 7.6 5.9 8.9

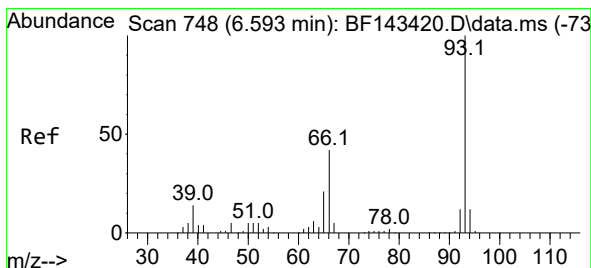
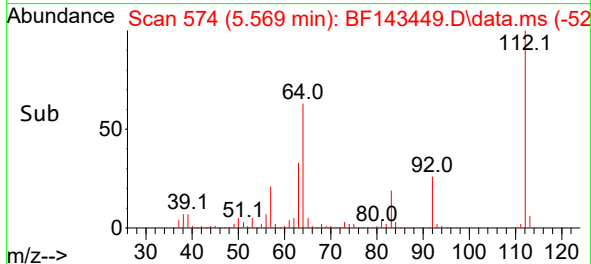
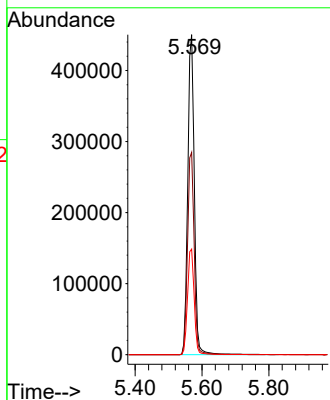
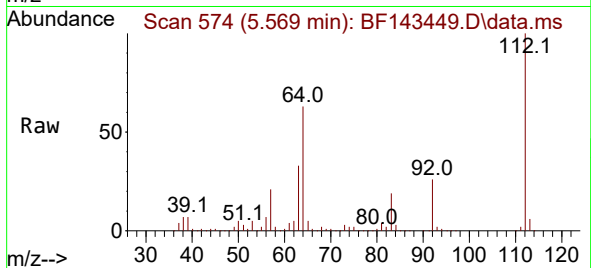




#5
2-Fluorophenol
Concen: 87.595 ng
RT: 5.569 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

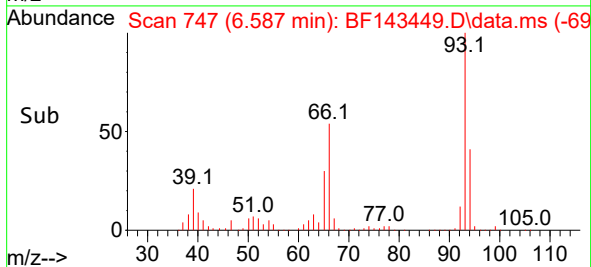
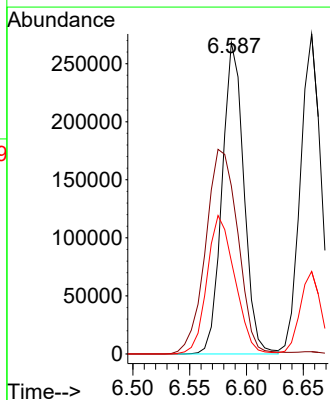
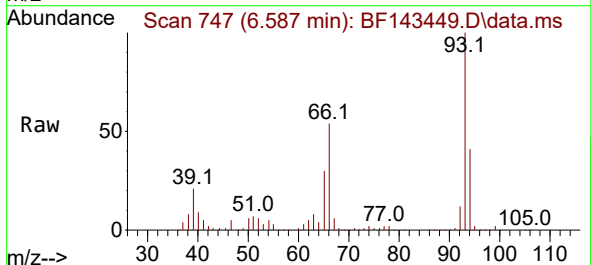
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

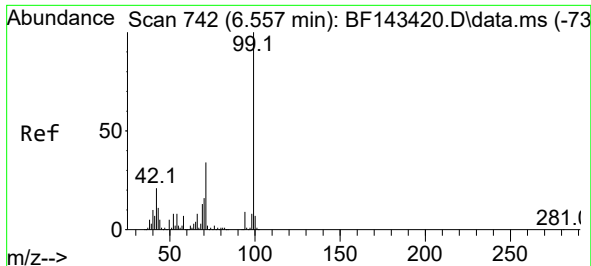
Tgt Ion:112 Resp: 610514
Ion Ratio Lower Upper
112 100
64 63.2 52.2 78.2
63 33.0 27.0 40.6



#6
Aniline
Concen: 29.983 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion: 93 Resp: 357522
Ion Ratio Lower Upper
93 100
66 54.0 33.8 50.8#
65 29.8 17.2 25.8#





#7

Phenol-d6

Concen: 85.660 ng

RT: 6.557 min Scan# 742

Delta R.T. -0.000 min

Lab File: BF143449.D

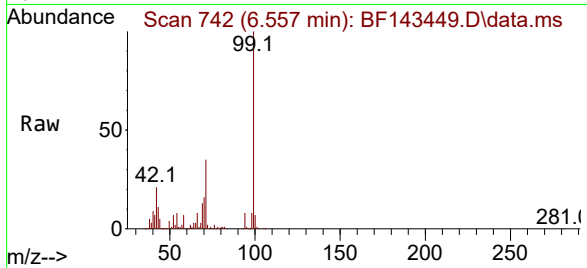
Acq: 19 Aug 2025 11:35

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMS



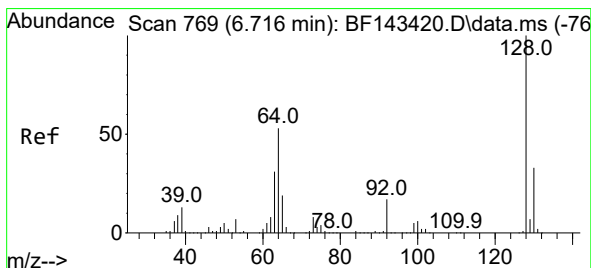
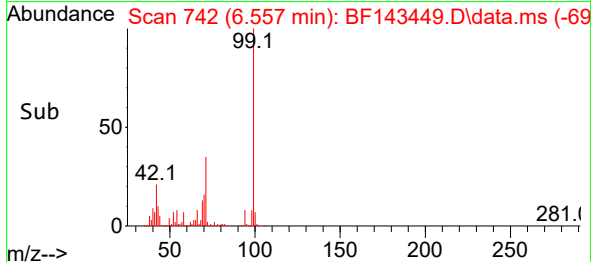
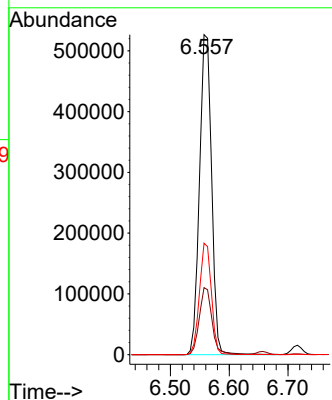
Tgt Ion: 99 Resp: 752395

Ion Ratio Lower Upper

99 100

42 20.9 17.0 25.6

71 34.9 27.4 41.2



#8

2-Chlorophenol

Concen: 46.187 ng

RT: 6.716 min Scan# 769

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

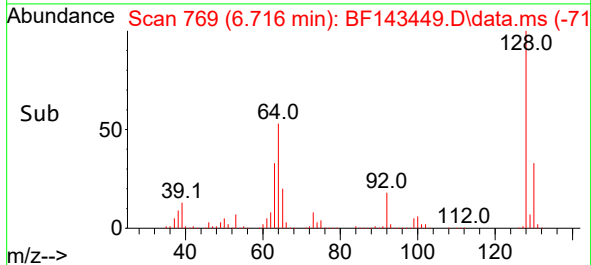
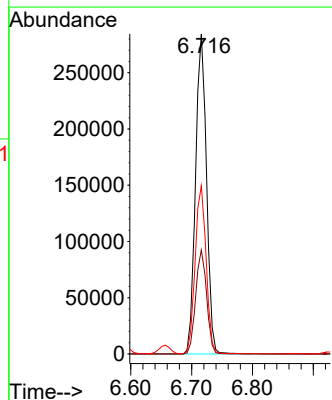
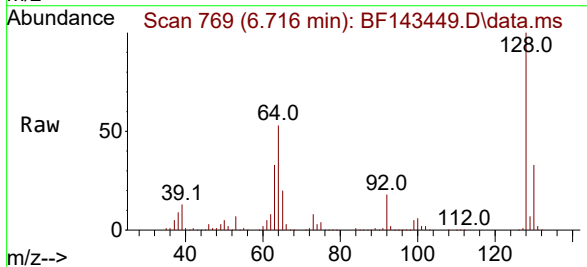
Tgt Ion: 128 Resp: 355400

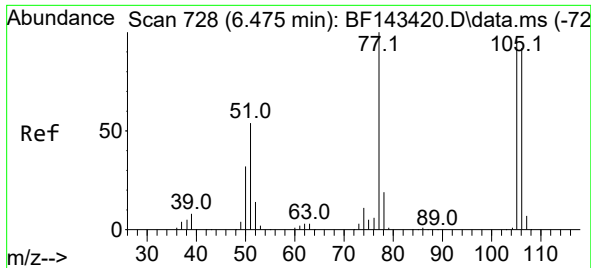
Ion Ratio Lower Upper

128 100

130 32.5 12.9 52.9

64 52.6 33.1 73.1

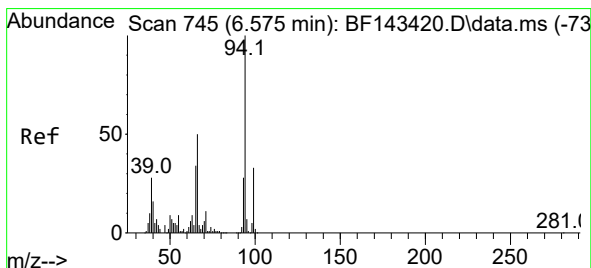
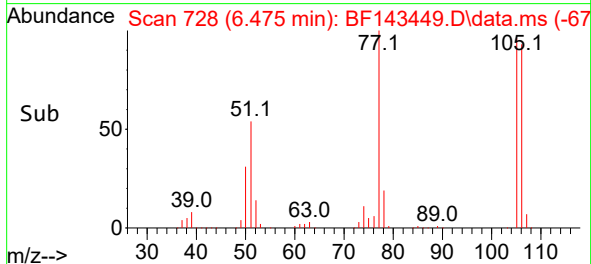
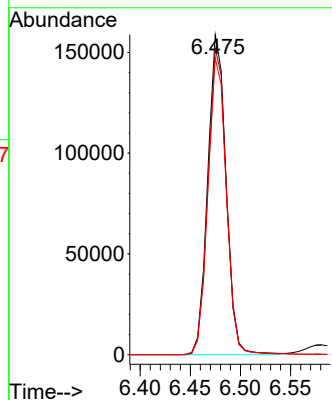
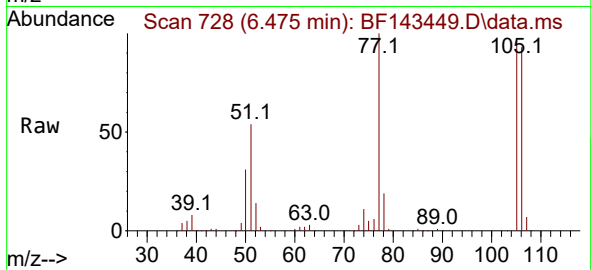




#9
Benzaldehyde
Concen: 43.093 ng
RT: 6.475 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

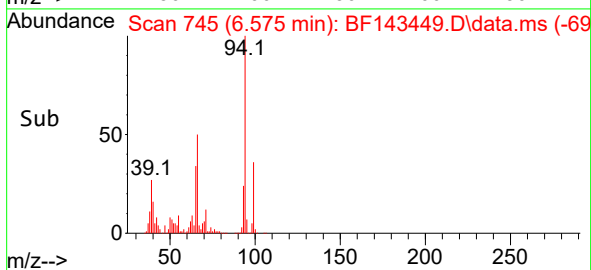
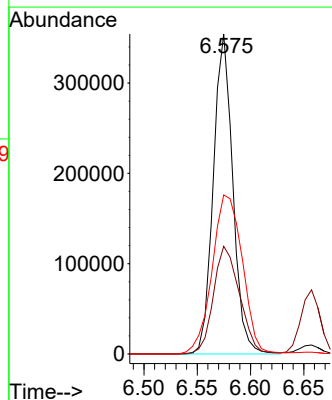
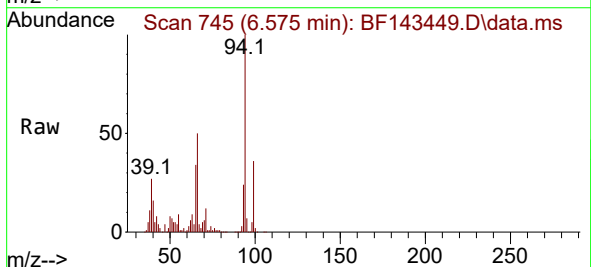
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

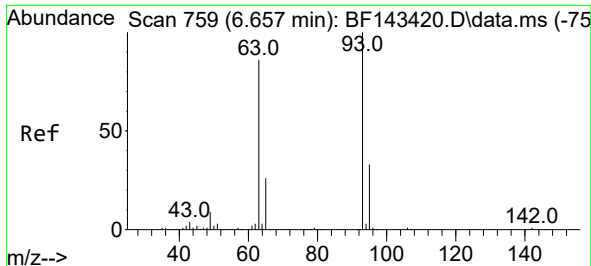
Tgt Ion: 77 Resp: 201358
Ion Ratio Lower Upper
77 100
105 95.6 75.5 115.5
106 92.7 72.0 112.0



#10
Phenol
Concen: 43.883 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion: 94 Resp: 449783
Ion Ratio Lower Upper
94 100
65 33.6 13.7 53.7
66 49.7 30.3 70.3

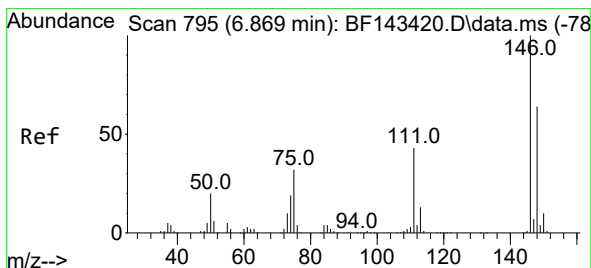
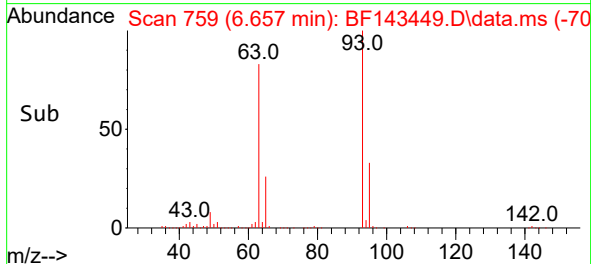
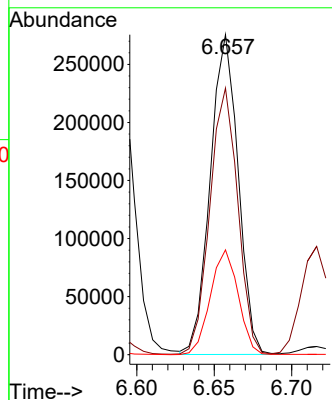
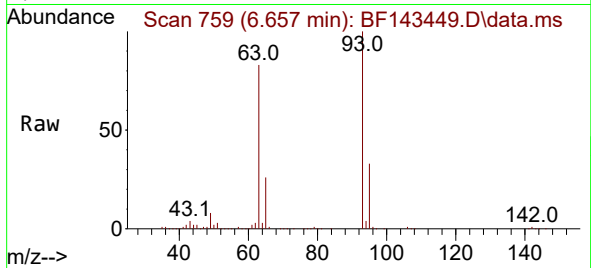




#11
bis(2-Chloroethyl)ether
Concen: 45.482 ng
RT: 6.657 min Scan# 711
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

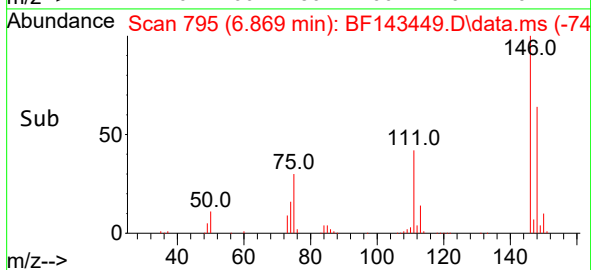
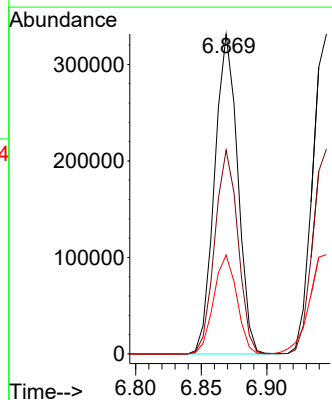
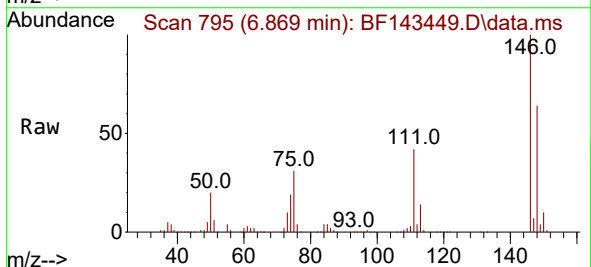
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

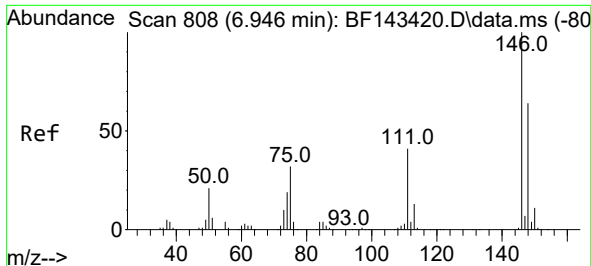
Tgt Ion: 93 Resp: 345555
Ion Ratio Lower Upper
93 100
63 83.3 65.4 105.4
95 32.8 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 47.137 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:146 Resp: 406303
Ion Ratio Lower Upper
146 100
148 63.8 51.0 76.4
75 30.9 25.3 37.9





#13

1,4-Dichlorobenzene

Concen: 47.844 ng

RT: 6.945 min Scan# 80

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

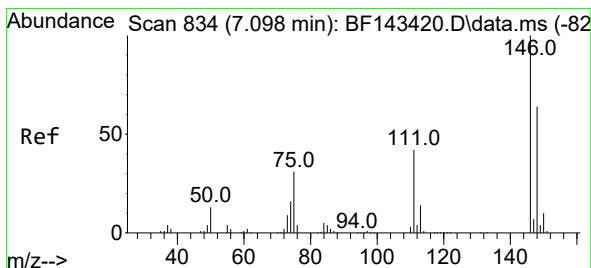
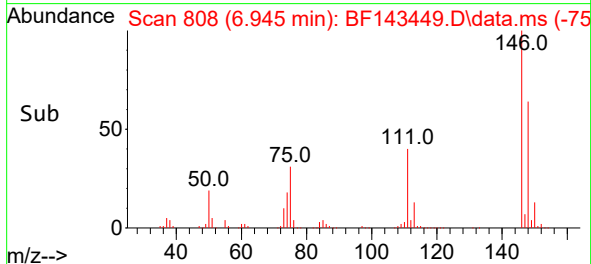
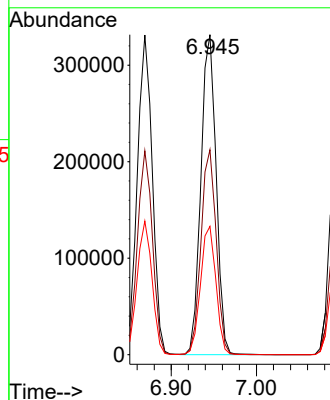
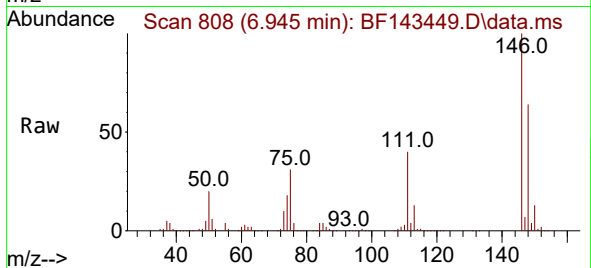
Tgt Ion:146 Resp: 411718

Ion Ratio Lower Upper

146 100

148 64.1 51.1 76.7

111 40.1 32.5 48.7



#14

1,2-Dichlorobenzene

Concen: 47.791 ng

RT: 7.098 min Scan# 834

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

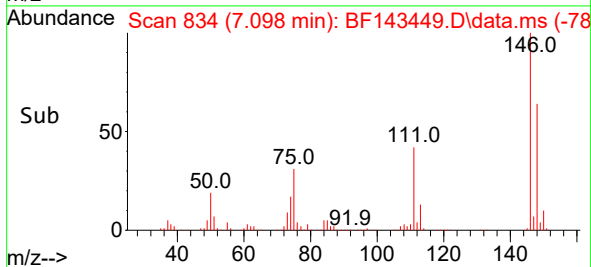
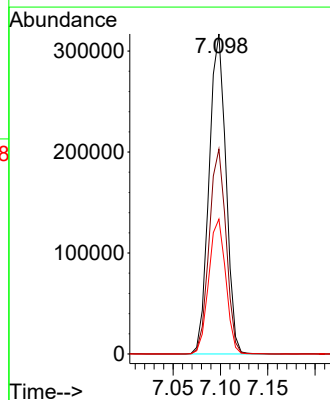
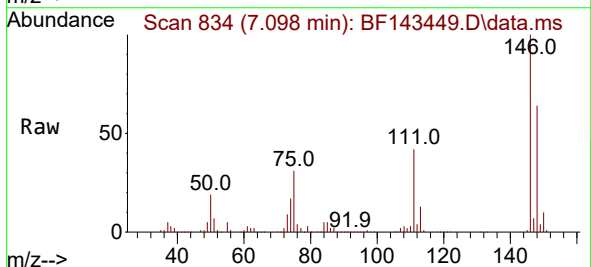
Tgt Ion:146 Resp: 392811

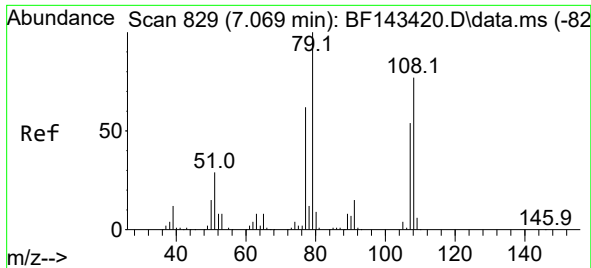
Ion Ratio Lower Upper

146 100

148 64.0 51.4 77.0

111 42.2 33.9 50.9

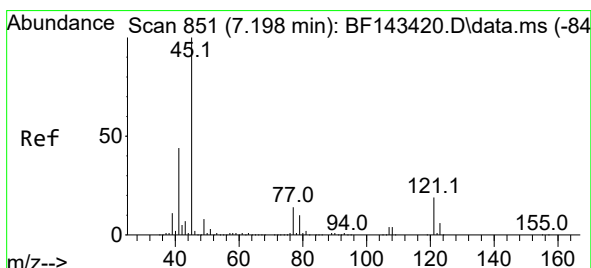
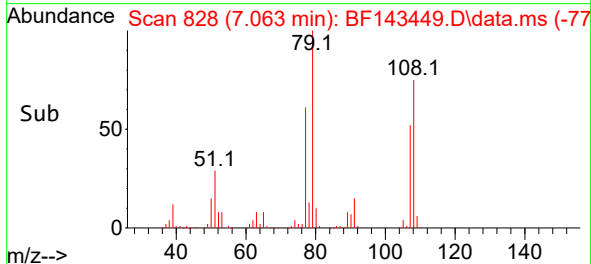
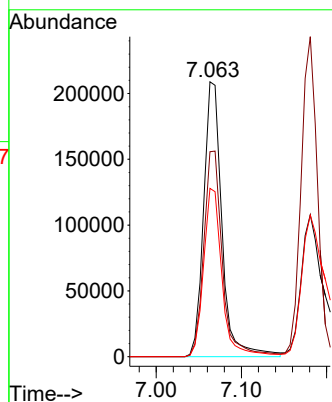
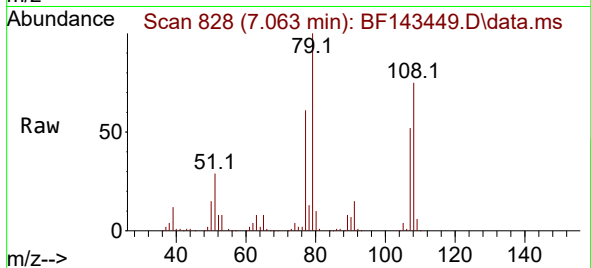




#15
Benzyl Alcohol
Concen: 48.309 ng
RT: 7.063 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

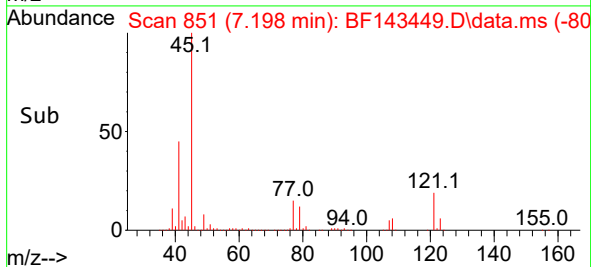
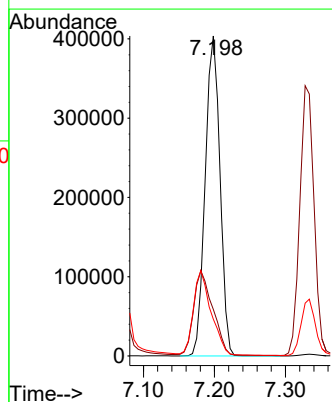
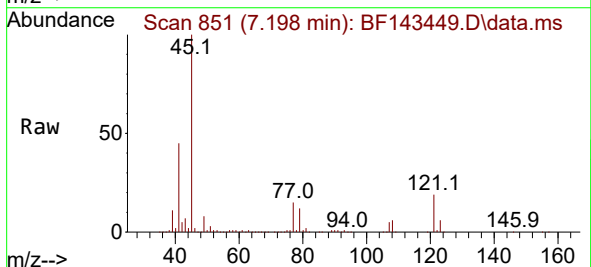
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

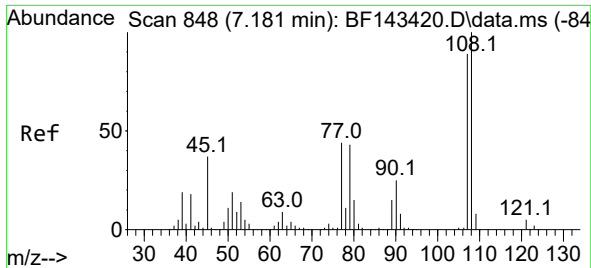
Tgt Ion: 79 Resp: 312919
Ion Ratio Lower Upper
79 100
108 74.5 61.9 92.9
77 61.2 49.2 73.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.021 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion: 45 Resp: 584765
Ion Ratio Lower Upper
45 100
77 14.5 0.0 33.9
79 11.5 0.0 30.7

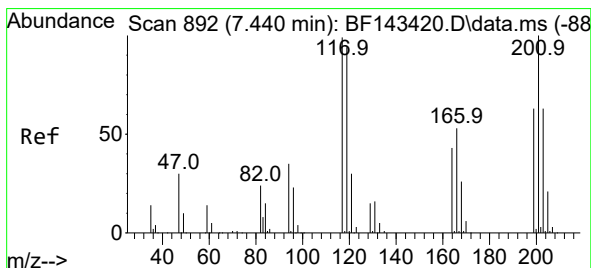
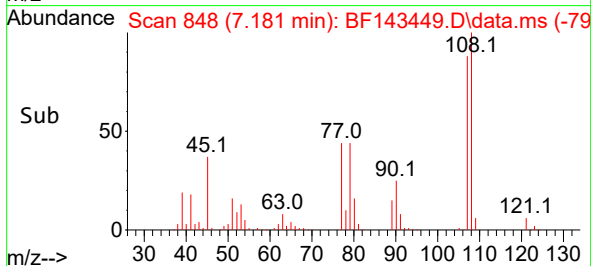
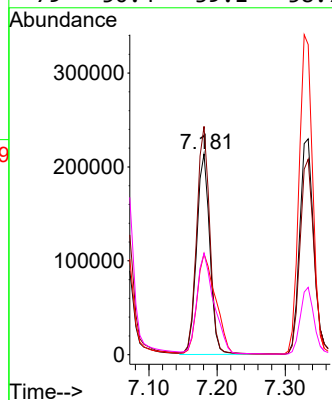
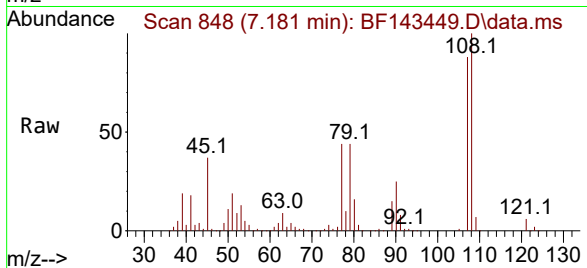




#17
2-Methylphenol
Concen: 45.861 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

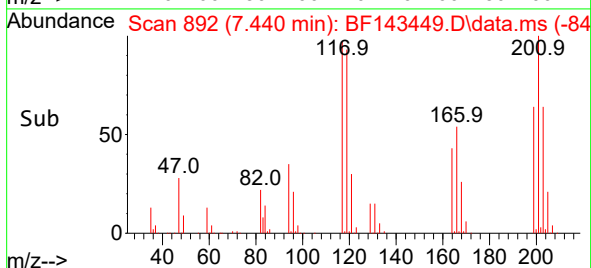
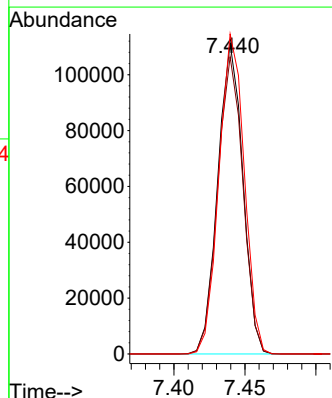
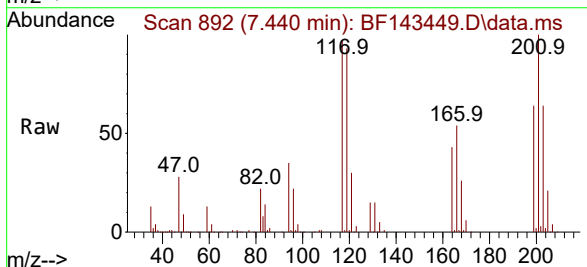
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

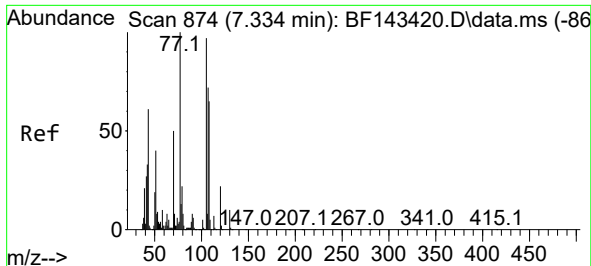
Tgt Ion:107 Resp: 287919
Ion Ratio Lower Upper
107 100
108 113.7 90.1 135.1
77 50.3 39.9 59.9
79 50.4 39.1 58.7



#18
Hexachloroethane
Concen: 46.575 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:117 Resp: 136425
Ion Ratio Lower Upper
117 100
119 95.7 76.6 114.8
201 103.0 81.0 121.4



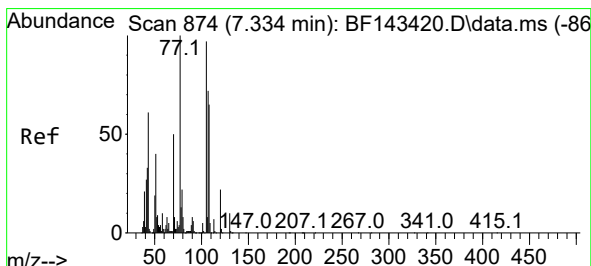
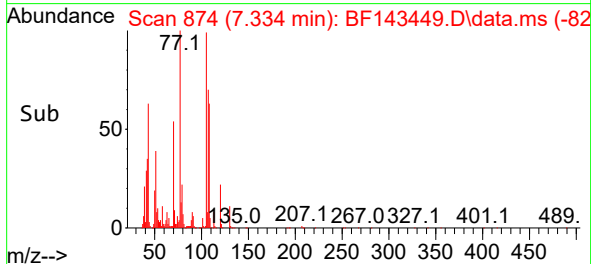
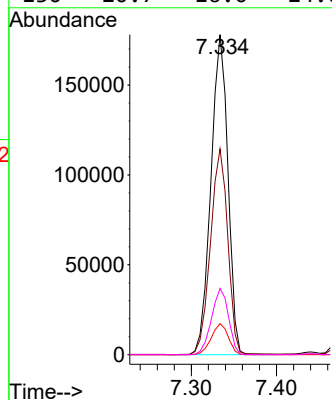
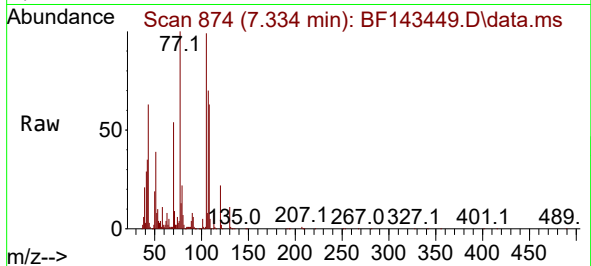


#19
n-Nitroso-di-n-propylamine
Concen: 45.449 ng
RT: 7.334 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion: 70 Resp: 247140

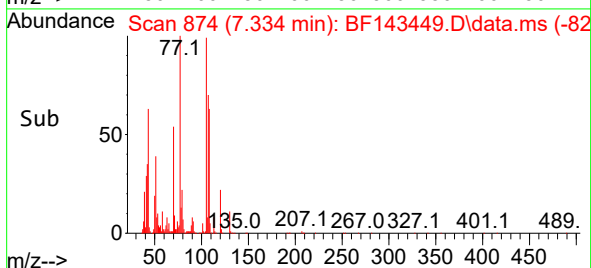
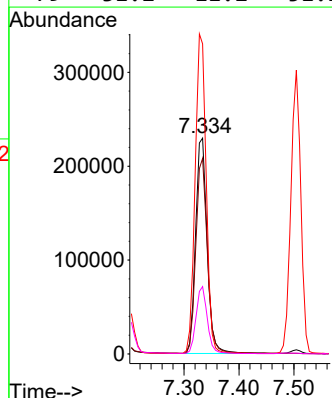
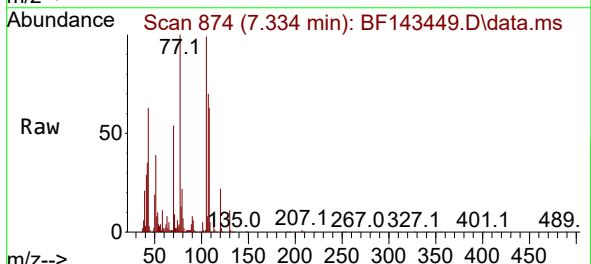
Ion	Ratio	Lower	Upper
70	100		
42	64.3	52.5	78.7
101	9.7	7.9	11.9
130	20.7	16.0	24.0

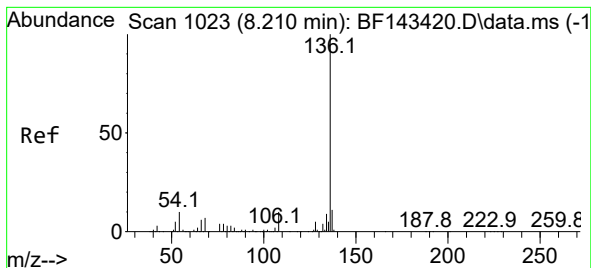


#20
3+4-Methylphenols
Concen: 44.586 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion: 107 Resp: 334628

Ion	Ratio	Lower	Upper
107	100		
108	90.6	70.8	110.8
77	143.7	119.1	159.1
79	31.2	11.2	51.2

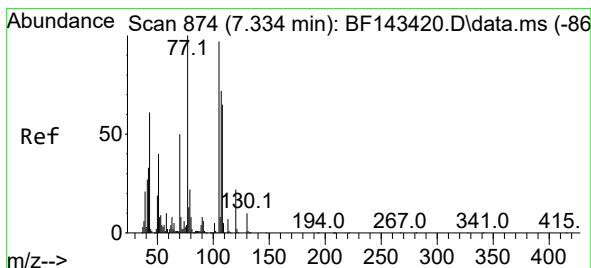
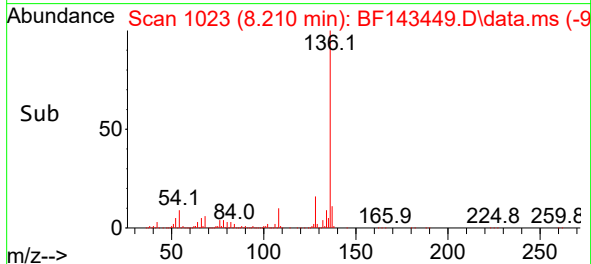
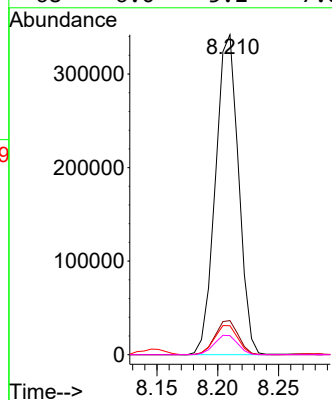
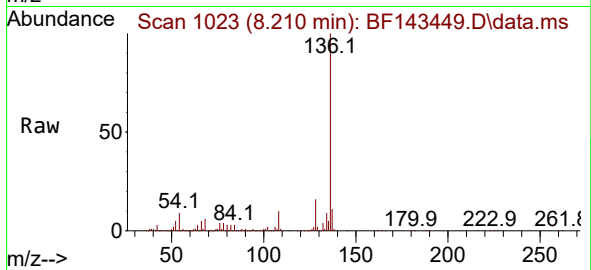




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

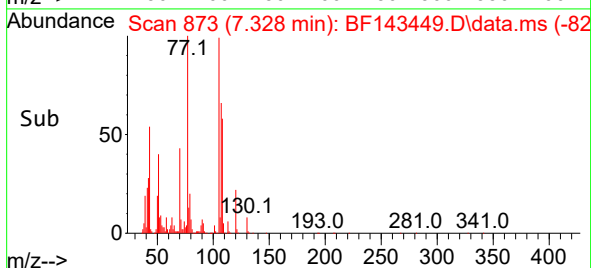
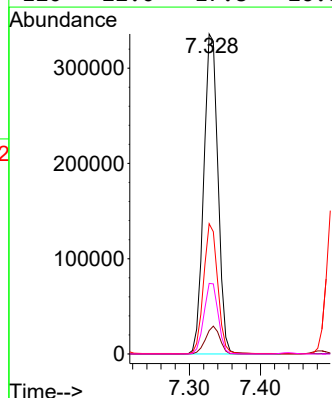
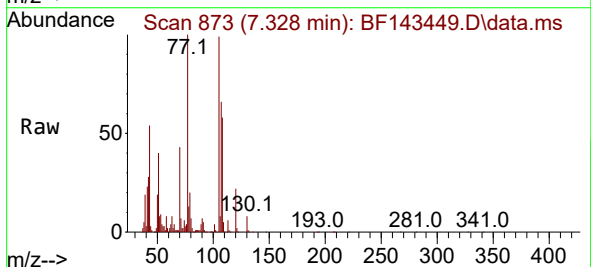
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

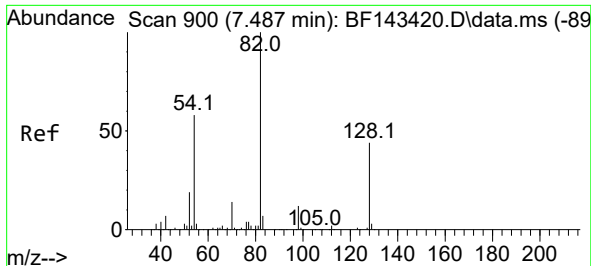
Tgt Ion:	136	Resp:	450837
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.8	13.2
54	9.0	7.8	11.8
68	6.0	5.2	7.8



#22
Acetophenone
Concen: 48.399 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:	105	Resp:	469144
Ion Ratio	Lower	Upper	
105	100		
71	7.3	7.0	10.4
51	40.7	32.7	49.1
120	22.0	17.8	26.8





#23

Nitrobenzene-d5

Concen: 64.243 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

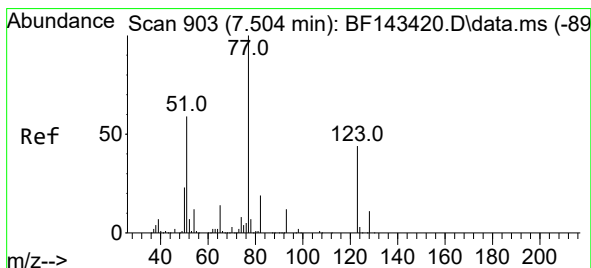
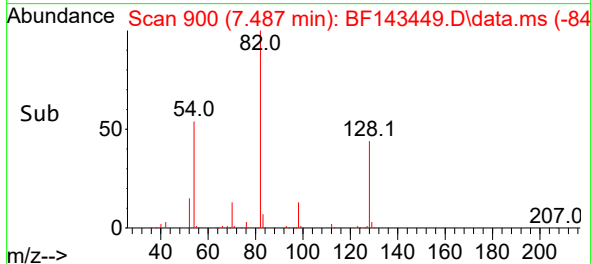
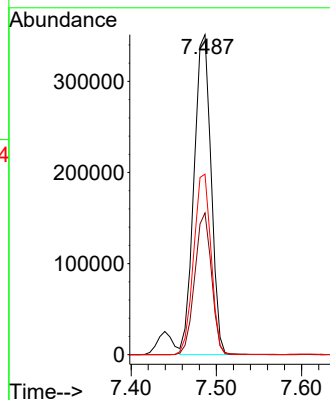
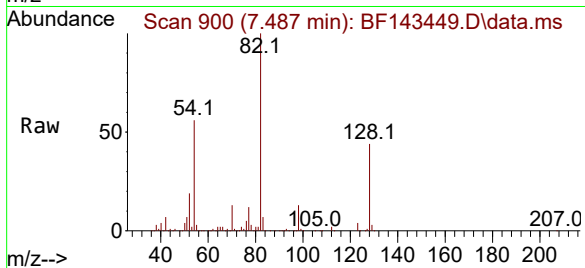
Tgt Ion: 82 Resp: 488097

Ion Ratio Lower Upper

82 100

128 44.3 34.6 52.0

54 56.4 46.0 69.0



#24

Nitrobenzene

Concen: 47.597 ng

RT: 7.504 min Scan# 903

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

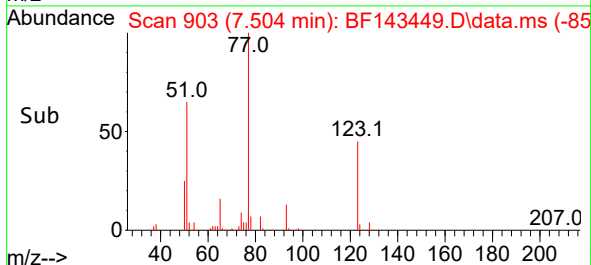
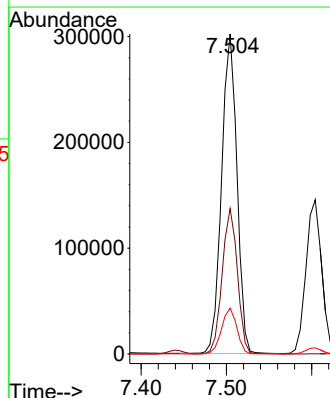
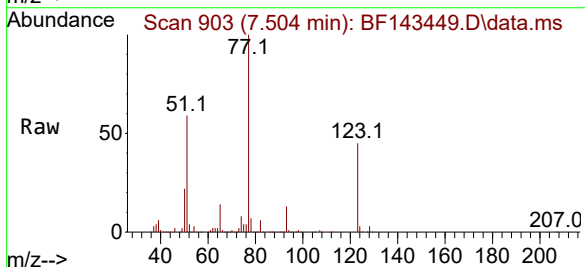
Tgt Ion: 77 Resp: 377953

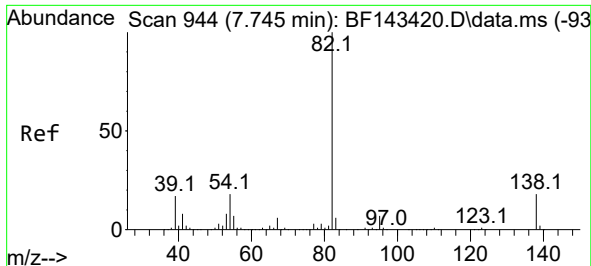
Ion Ratio Lower Upper

77 100

123 45.4 35.4 53.0

65 14.3 11.2 16.8

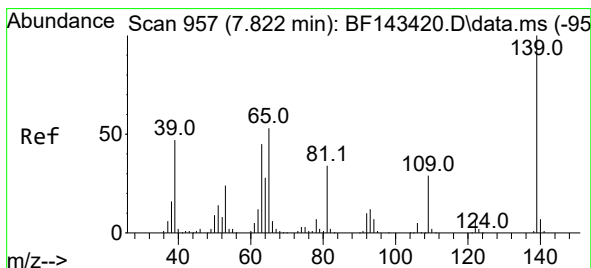
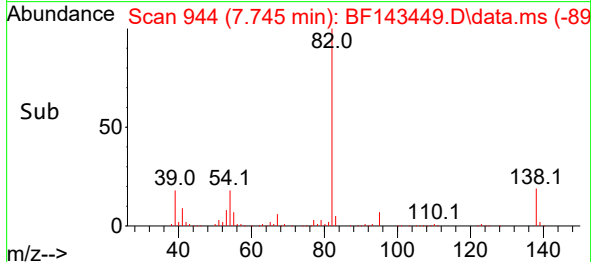
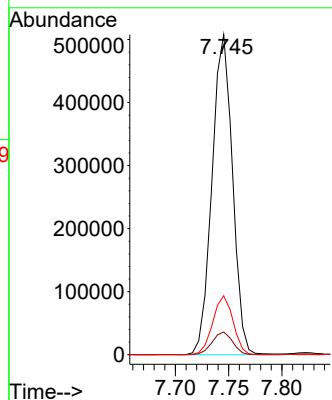
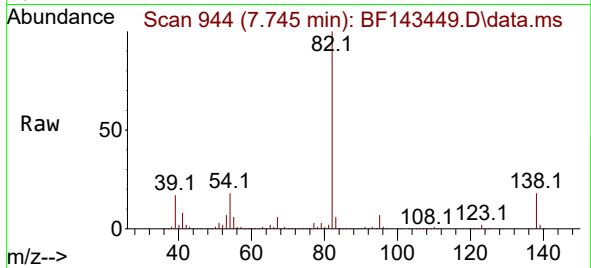




#25
Isophorone
Concen: 46.703 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

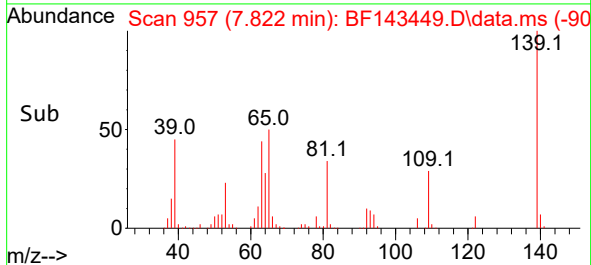
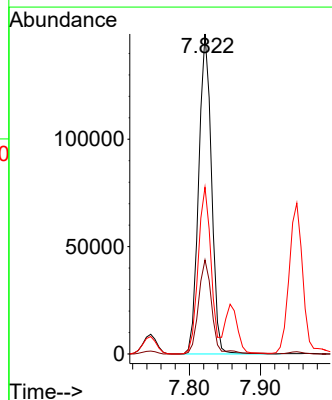
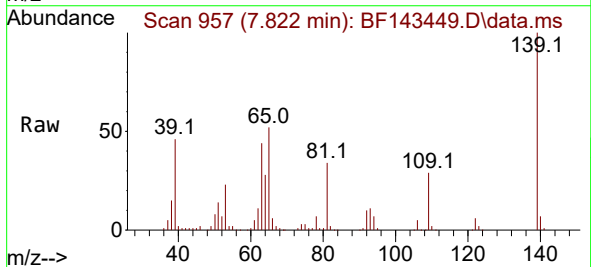
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

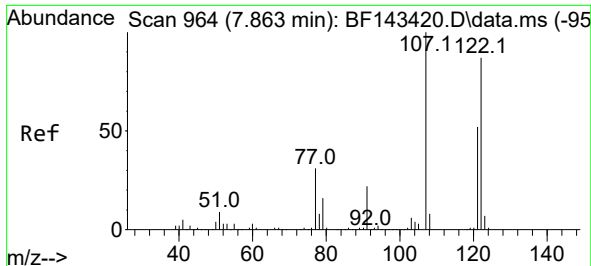
Tgt Ion: 82 Resp: 679129
Ion Ratio Lower Upper
82 100
95 7.1 5.6 8.4
138 18.4 14.3 21.5



#26
2-Nitrophenol
Concen: 50.923 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:139 Resp: 187455
Ion Ratio Lower Upper
139 100
109 29.4 23.0 34.4
65 52.1 42.5 63.7

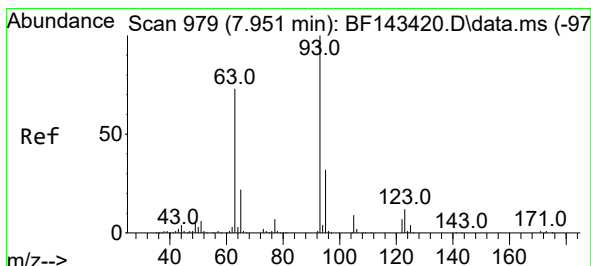
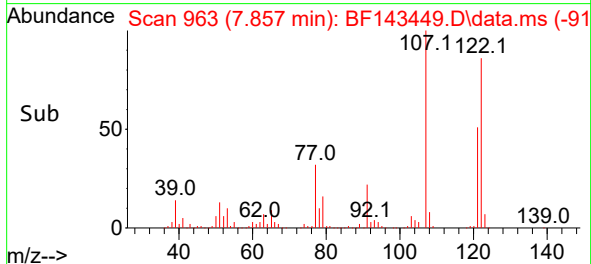
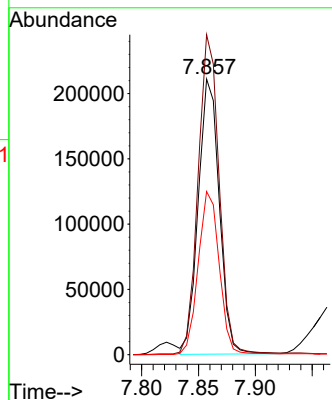
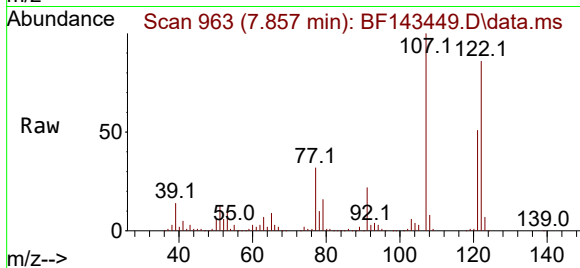




#27
2,4-Dimethylphenol
Concen: 43.519 ng
RT: 7.857 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

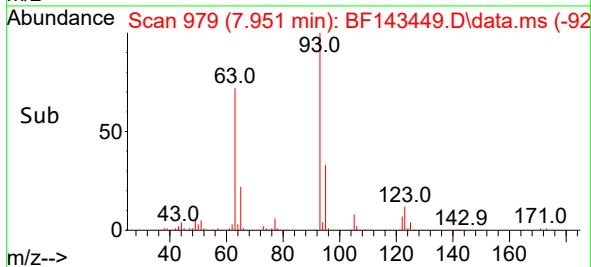
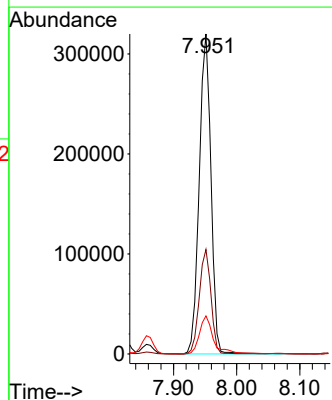
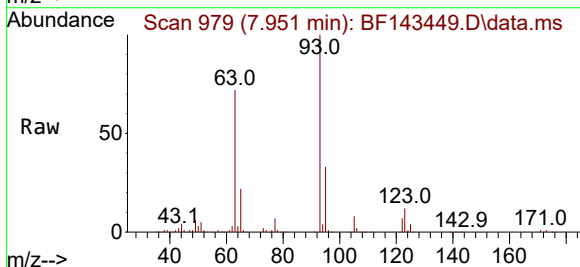
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

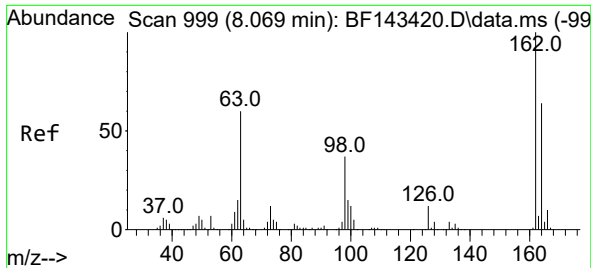
Tgt Ion:122 Resp: 270864
Ion Ratio Lower Upper
122 100
107 116.1 90.4 135.6
121 59.2 46.7 70.1



#28
bis(2-Chloroethoxy)methane
Concen: 46.169 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion: 93 Resp: 412651
Ion Ratio Lower Upper
93 100
95 32.7 26.0 39.0
123 11.9 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 45.991 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.000 min

Lab File: BF143449.D

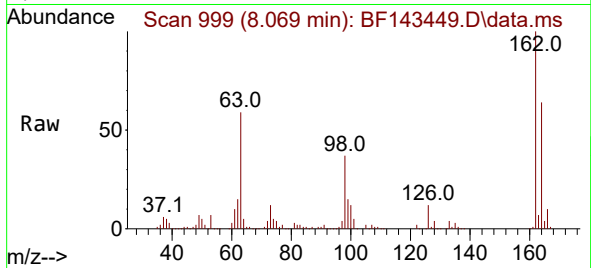
Acq: 19 Aug 2025 11:35

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMS



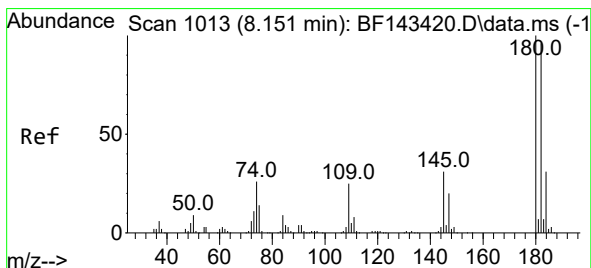
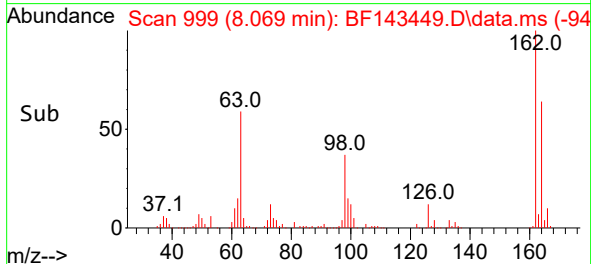
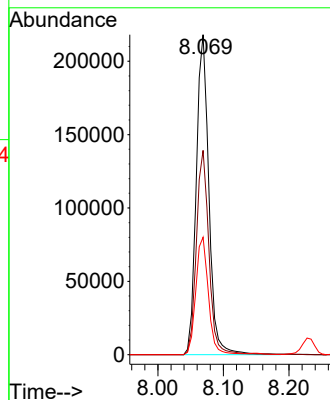
Tgt Ion:162 Resp: 291798

Ion Ratio Lower Upper

162 100

164 63.8 44.3 84.3

98 36.7 16.9 56.9



#30

1,2,4-Trichlorobenzene

Concen: 49.847 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

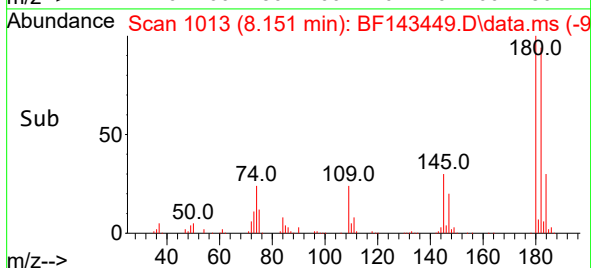
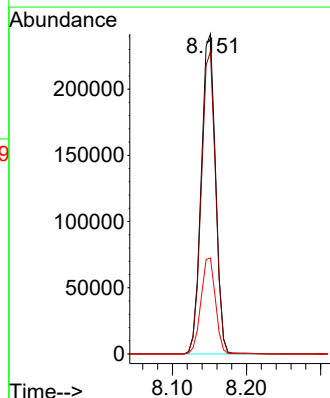
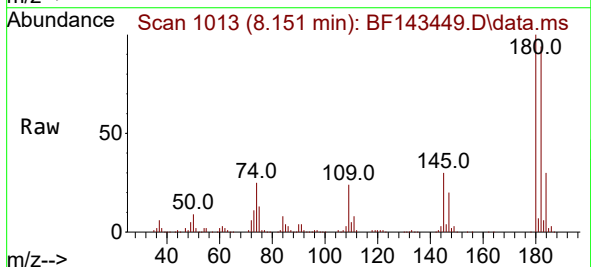
Tgt Ion:180 Resp: 324051

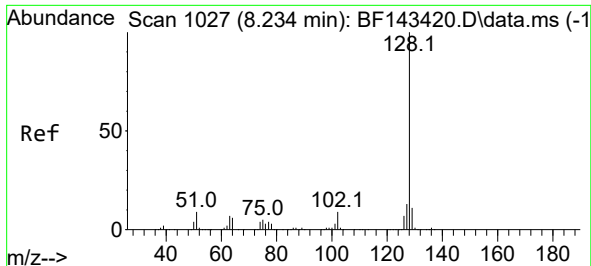
Ion Ratio Lower Upper

180 100

182 94.5 76.7 115.1

145 30.0 24.5 36.7

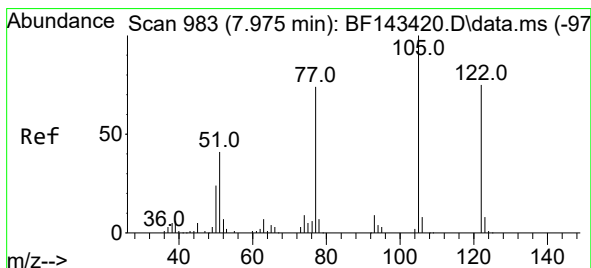
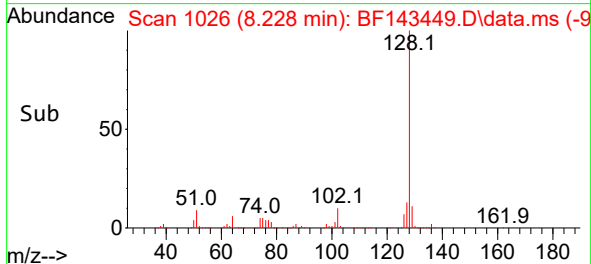
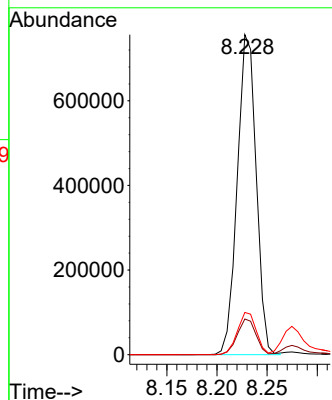
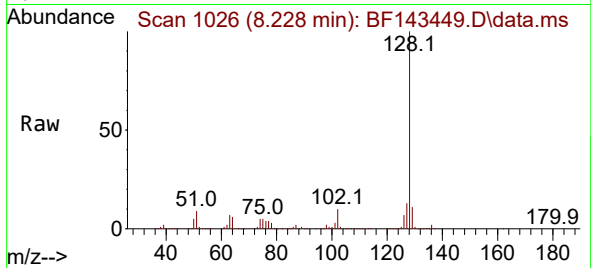




#31
Naphthalene
Concen: 46.521 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

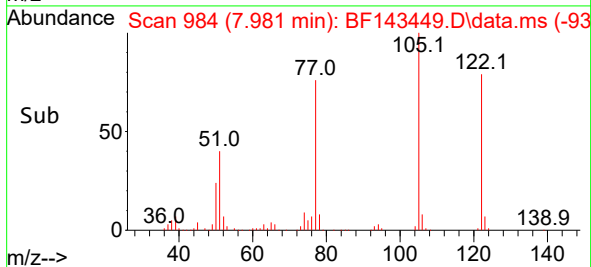
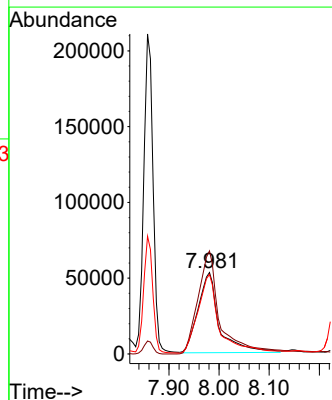
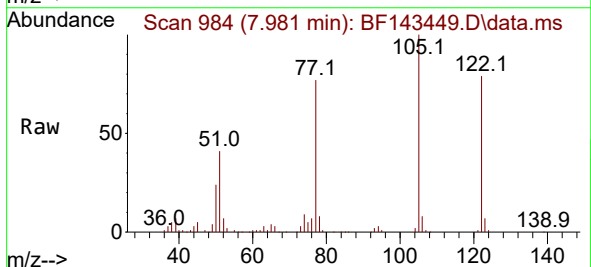
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

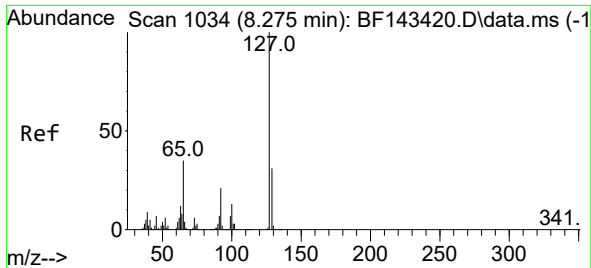
Tgt Ion:128 Resp: 995711
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.2 10.6 16.0



#32
Benzoic acid
Concen: 48.397 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:122 Resp: 156661
Ion Ratio Lower Upper
122 100
105 126.6 108.4 148.4
77 97.7 75.9 115.9

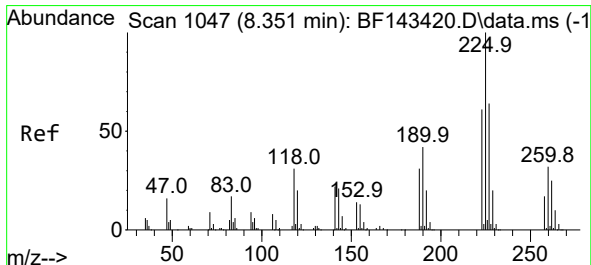
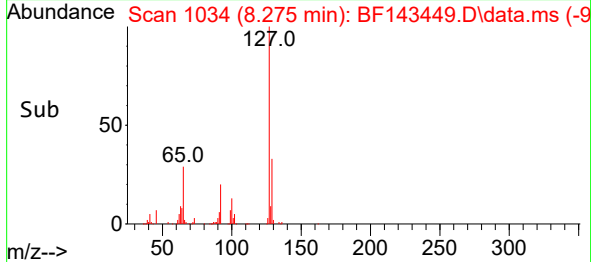
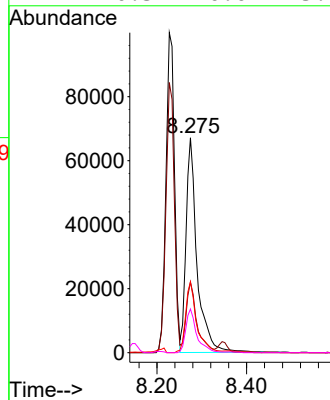
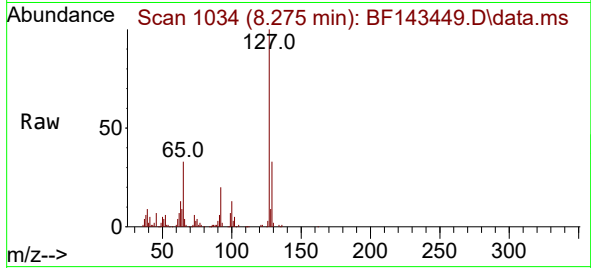




#33
4-Chloroaniline
Concen: 14.835 ng
RT: 8.275 min Scan# 1034
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

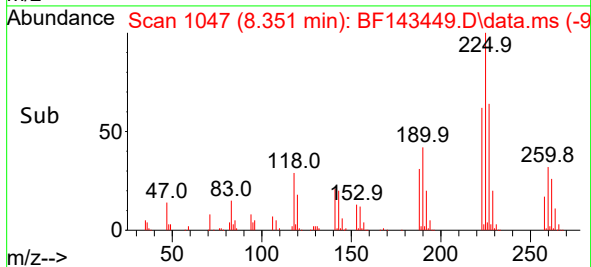
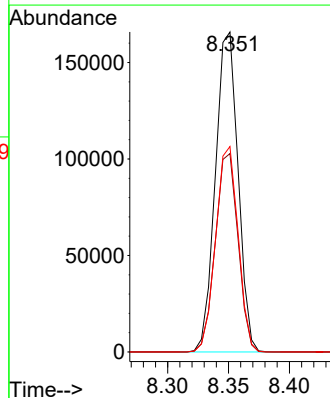
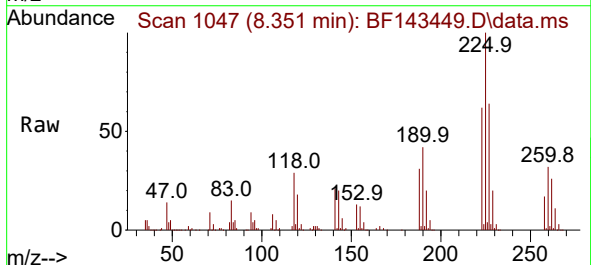
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

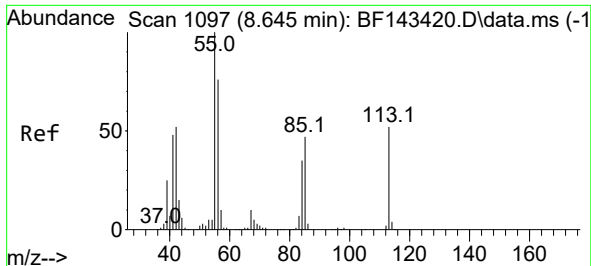
Tgt Ion:	127	Resp:	114610
Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.8	38.8
65	33.0	27.2	40.8
92	20.3	16.6	25.0



#34
Hexachlorobutadiene
Concen: 51.865 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:	225	Resp:	215006
Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.0	73.6
227	64.2	51.1	76.7





#35

Caprolactam

Concen: 47.120 ng

RT: 8.639 min Scan# 1109

Delta R.T. -0.006 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

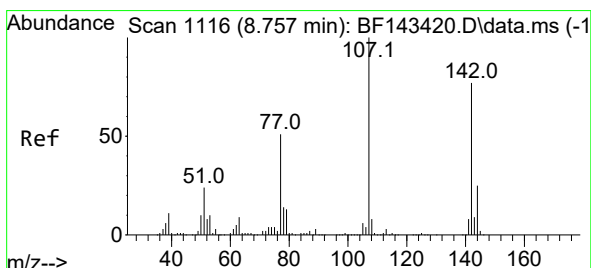
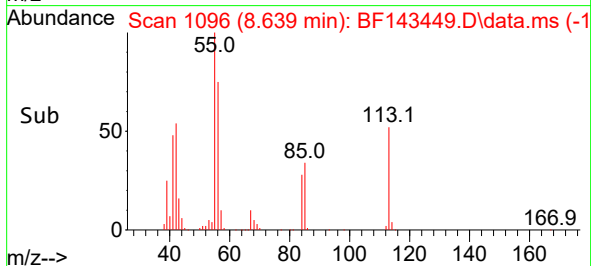
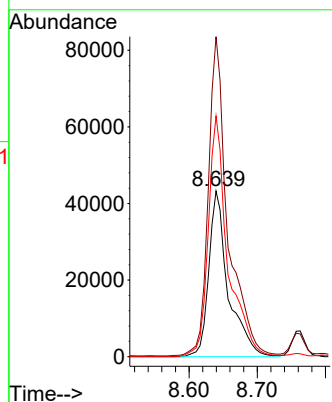
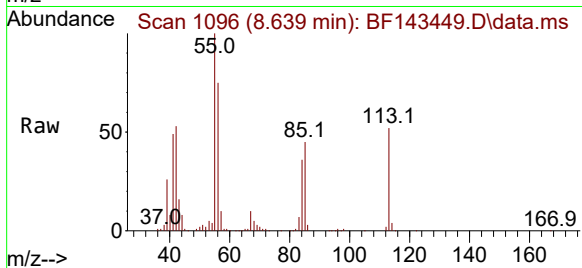
Tgt Ion:113 Resp: 86073

Ion Ratio Lower Upper

113 100

55 193.2 174.7 214.7

56 145.3 127.0 167.0



#36

4-Chloro-3-methylphenol

Concen: 46.785 ng

RT: 8.763 min Scan# 1117

Delta R.T. 0.006 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

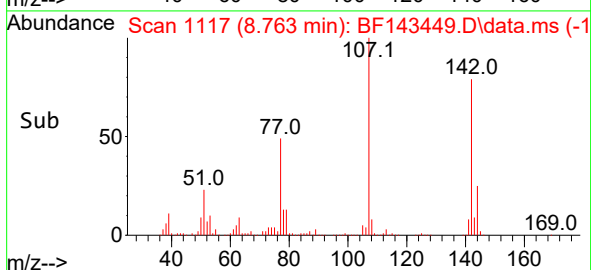
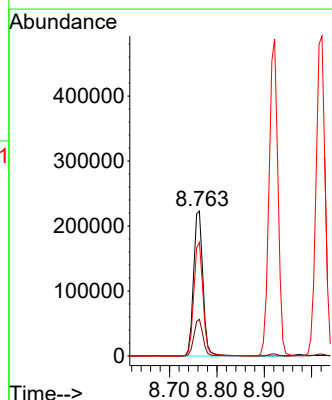
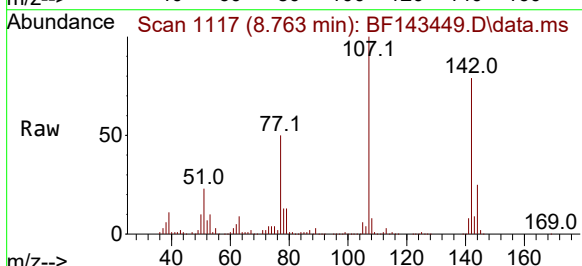
Tgt Ion:107 Resp: 305716

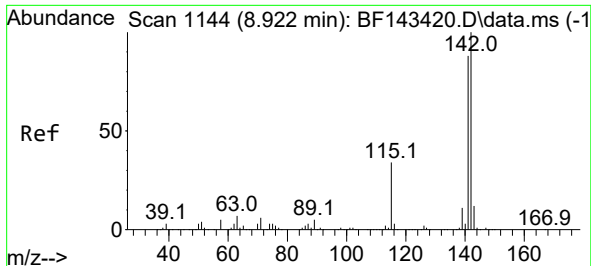
Ion Ratio Lower Upper

107 100

144 25.3 20.2 30.2

142 78.6 62.0 93.0

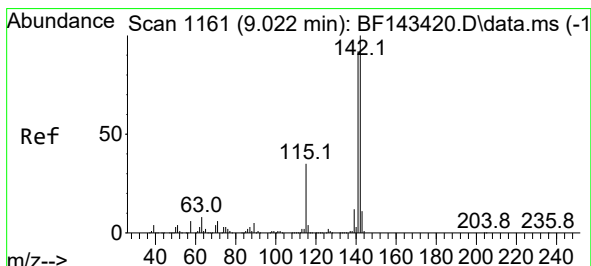
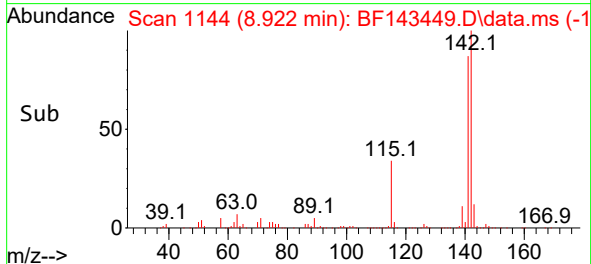
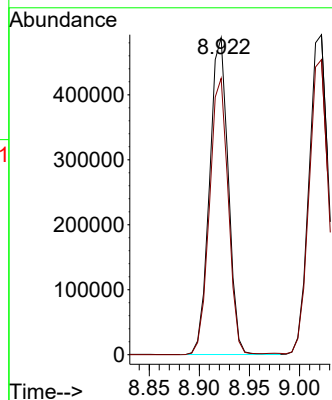
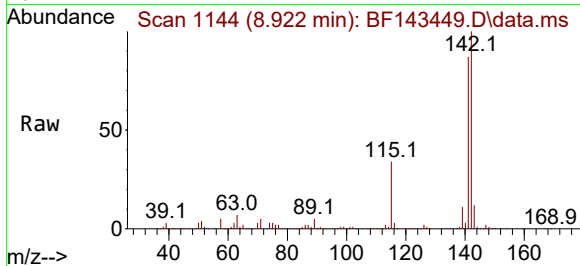




#37
2-Methylnaphthalene
Concen: 43.843 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

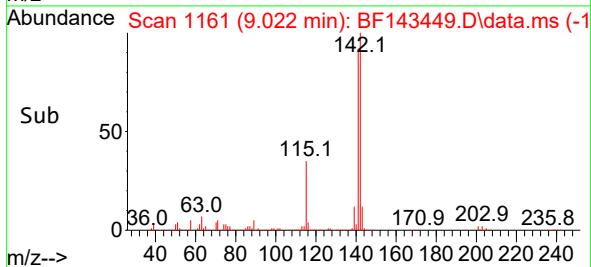
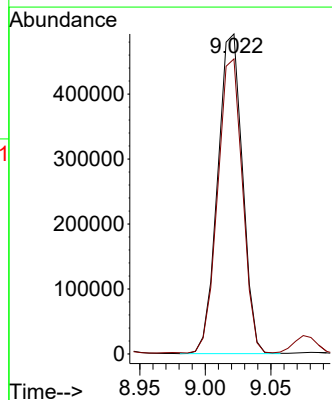
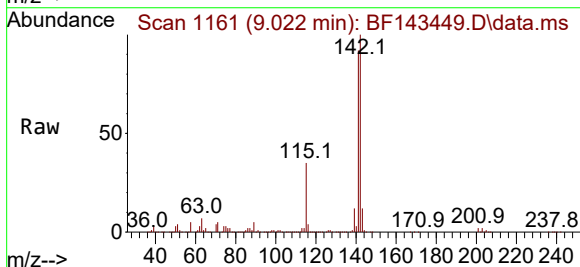
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

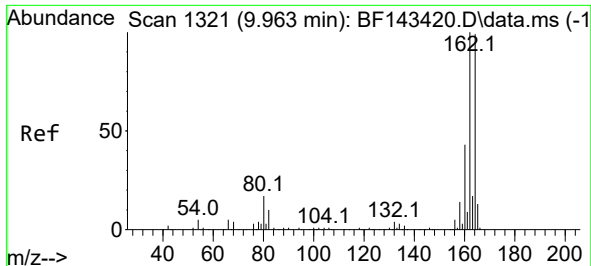
Tgt Ion:142 Resp: 632537
Ion Ratio Lower Upper
142 100
141 87.2 70.3 105.5



#38
1-Methylnaphthalene
Concen: 46.845 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:142 Resp: 647520
Ion Ratio Lower Upper
142 100
141 92.2 73.8 110.6

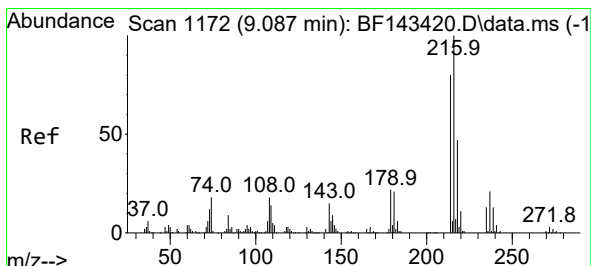
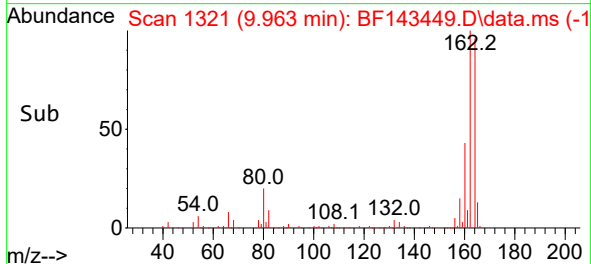
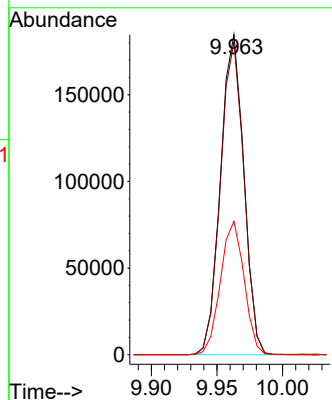
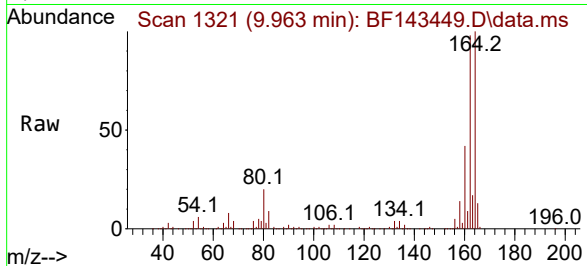




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

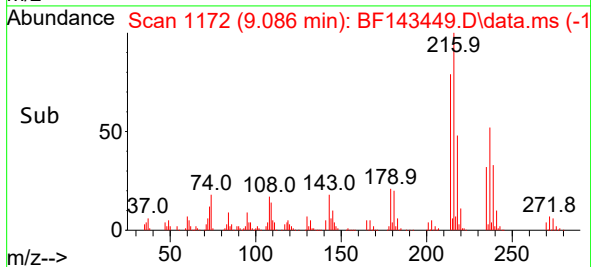
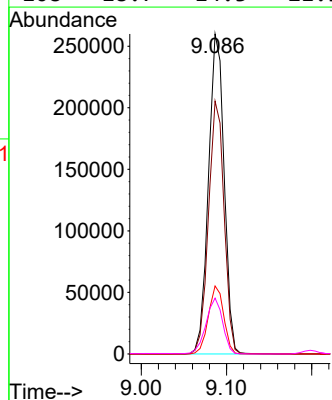
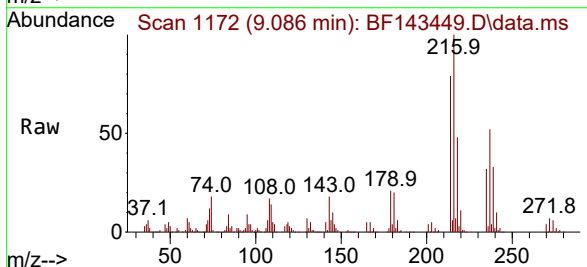
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

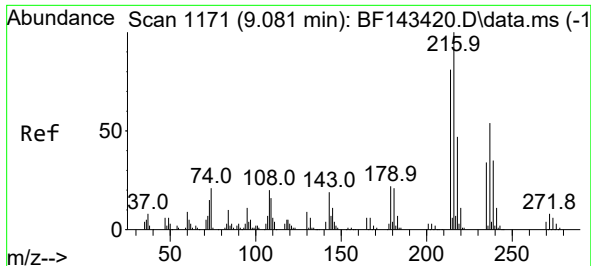
Tgt Ion:164 Resp: 228619
Ion Ratio Lower Upper
164 100
162 97.7 80.6 121.0
160 41.7 34.6 51.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.990 ng
RT: 9.086 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:216 Resp: 331482
Ion Ratio Lower Upper
216 100
214 78.8 63.7 95.5
179 20.9 17.0 25.4
108 18.7 14.3 21.5

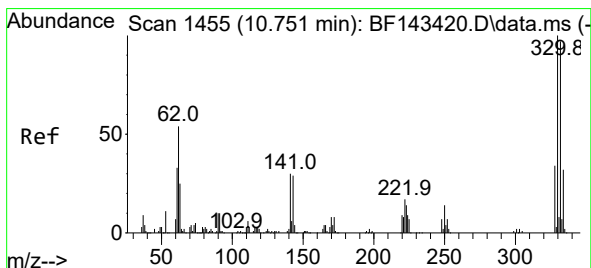
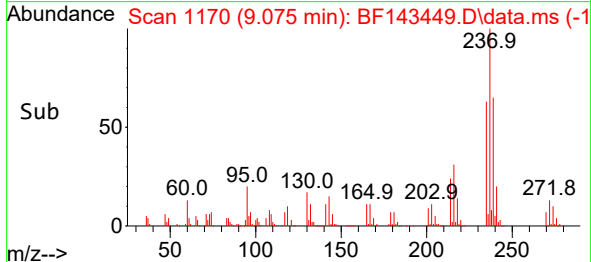
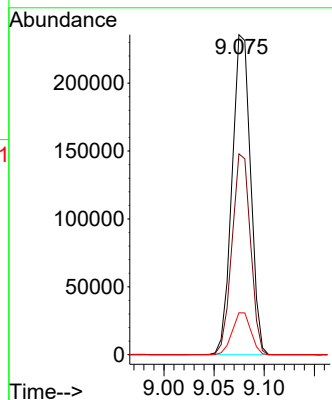
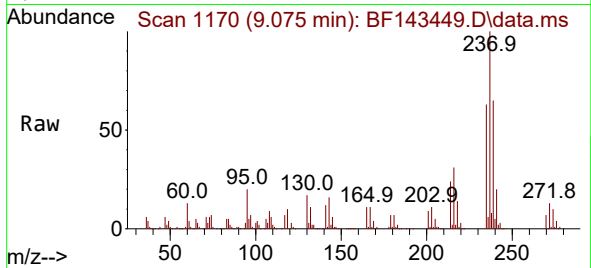




#41
Hexachlorocyclopentadiene
Concen: 126.418 ng
RT: 9.075 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

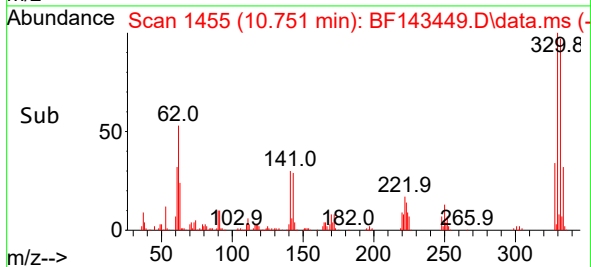
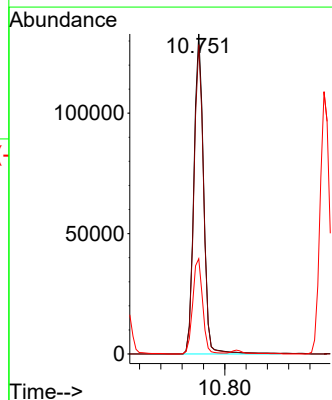
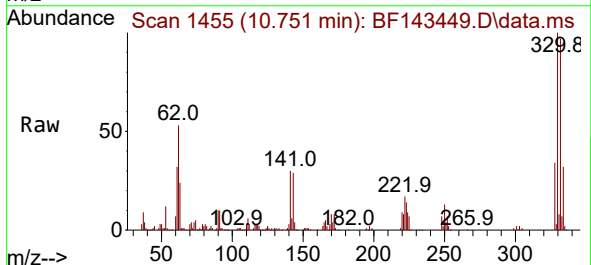
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

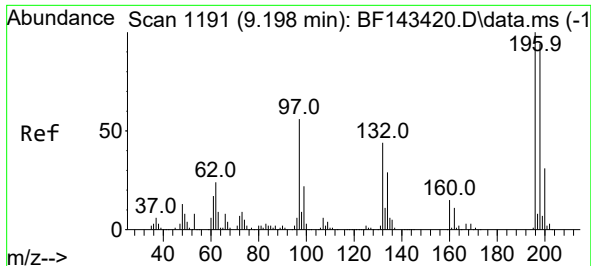
Tgt Ion:237 Resp: 303655
Ion Ratio Lower Upper
237 100
235 62.8 41.6 81.6
272 13.1 0.0 33.8



#42
2,4,6-Tribromophenol
Concen: 82.716 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:330 Resp: 168318
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.2
141 30.4 24.1 36.1





#43

2,4,6-Trichlorophenol

Concen: 51.600 ng

RT: 9.198 min Scan# 1191

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

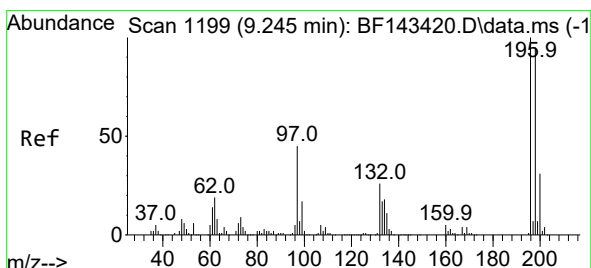
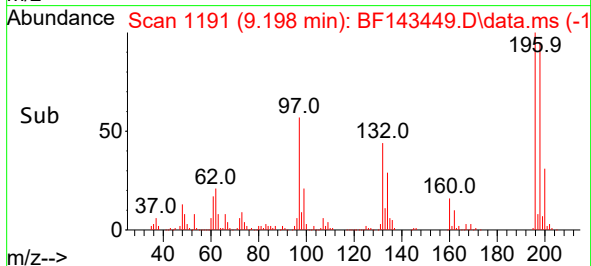
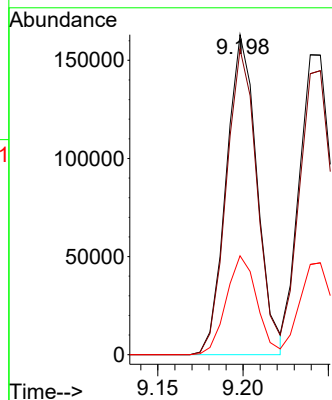
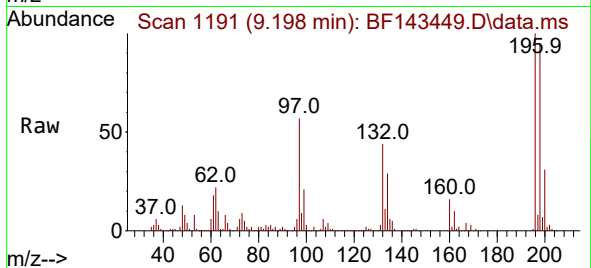
Tgt Ion:196 Resp: 205229

Ion Ratio Lower Upper

196 100

198 95.5 75.4 113.2

200 30.9 24.7 37.1



#44

2,4,5-Trichlorophenol

Concen: 50.536 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

Tgt Ion:196 Resp: 215454

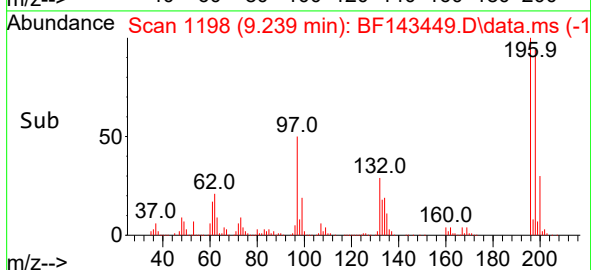
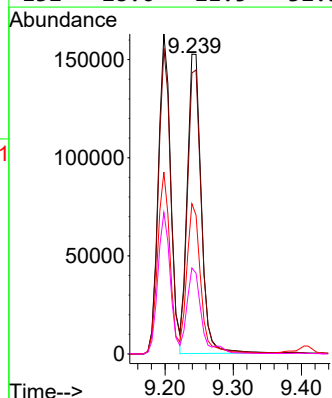
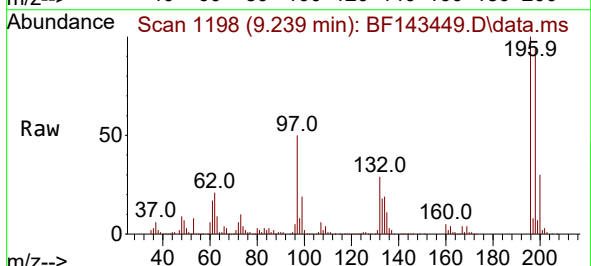
Ion Ratio Lower Upper

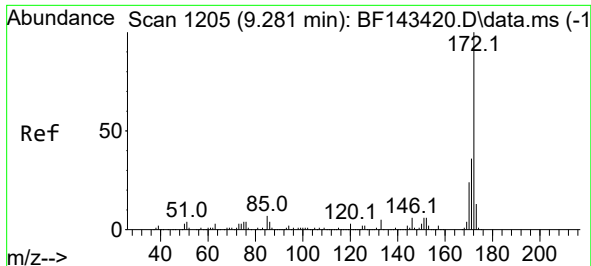
196 100

198 93.7 76.2 114.4

97 50.1 36.6 55.0

132 28.6 21.5 32.3

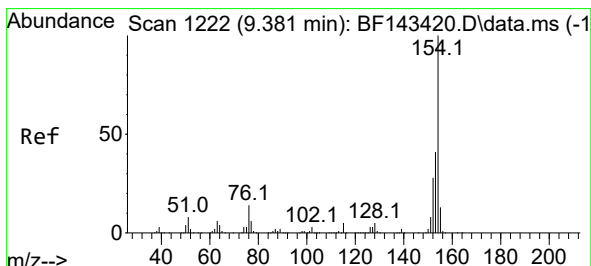
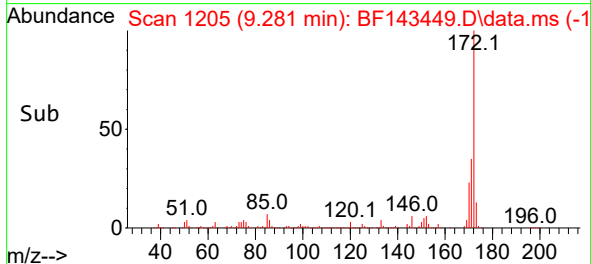
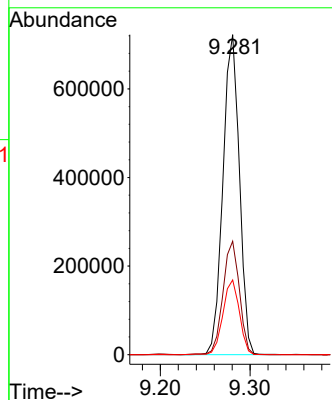
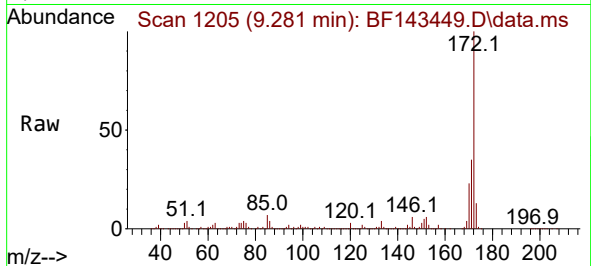




#45
2-Fluorobiphenyl
Concen: 67.614 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

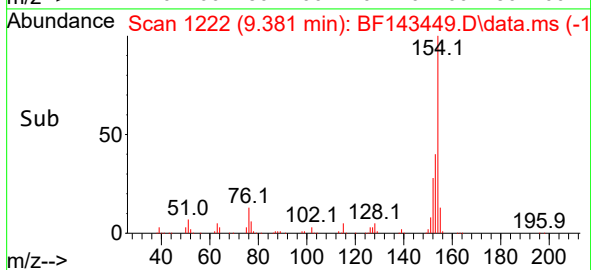
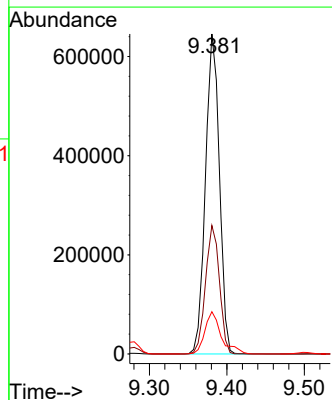
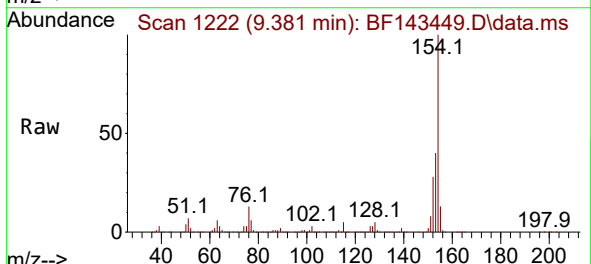
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

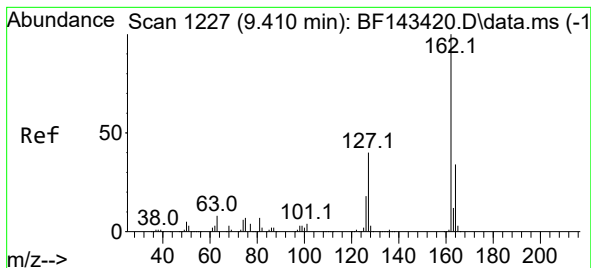
Tgt Ion:172 Resp: 919018
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.3 19.0 28.6



#46
1,1'-Biphenyl
Concen: 50.120 ng
RT: 9.381 min Scan# 1222
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:154 Resp: 805086
Ion Ratio Lower Upper
154 100
153 40.1 20.6 60.6
76 13.2 0.0 33.8





#47

2-Chloronaphthalene

Concen: 47.252 ng

RT: 9.410 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

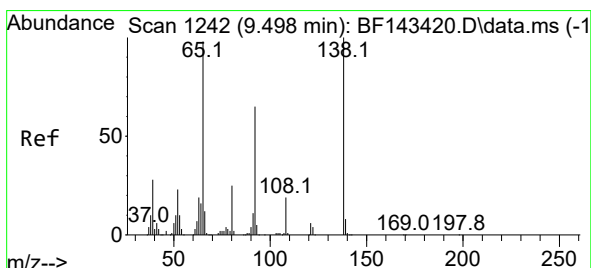
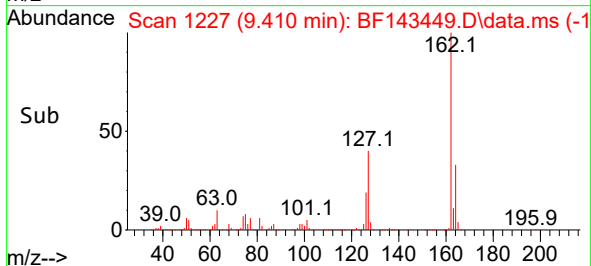
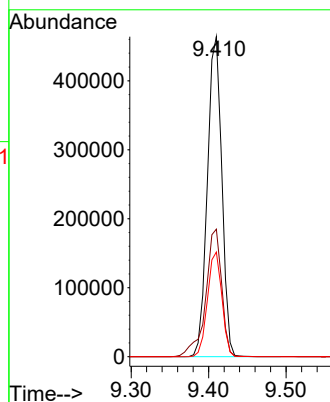
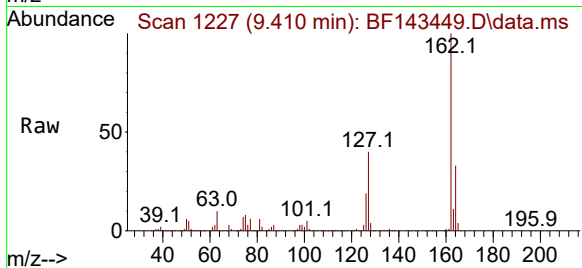
Tgt Ion:162 Resp: 599135

Ion Ratio Lower Upper

162 100

127 39.9 32.3 48.5

164 32.7 26.9 40.3



#48

2-Nitroaniline

Concen: 47.387 ng

RT: 9.498 min Scan# 1242

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

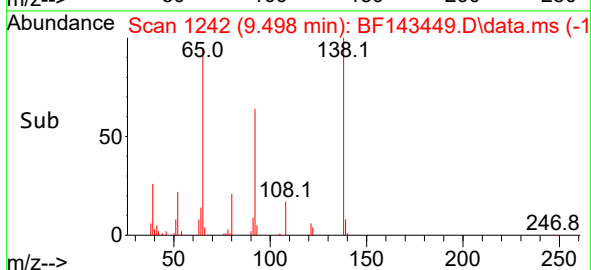
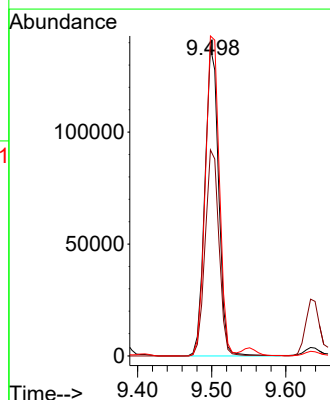
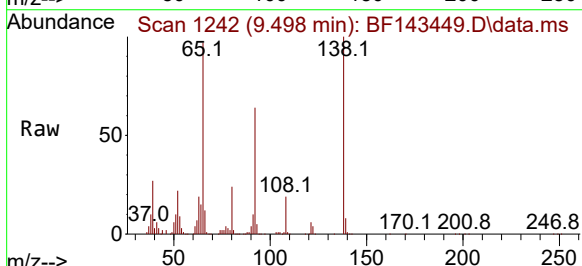
Tgt Ion: 65 Resp: 178805

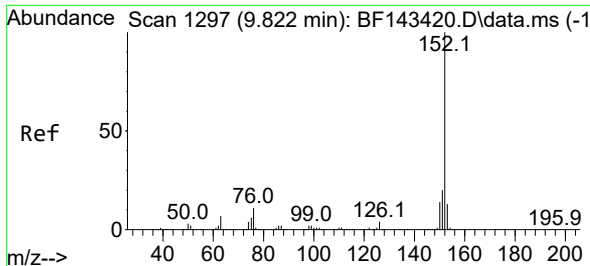
Ion Ratio Lower Upper

65 100

92 66.7 52.9 79.3

138 103.6 81.3 121.9

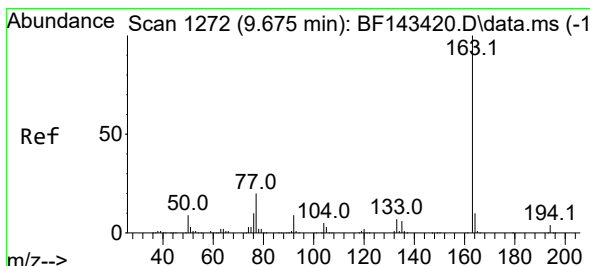
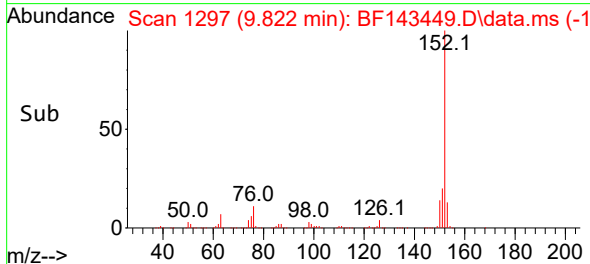
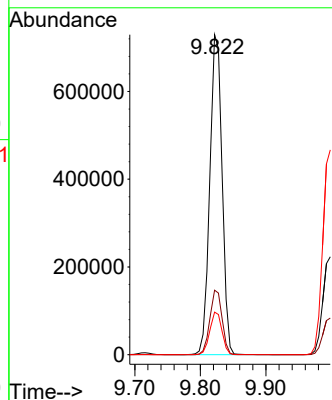
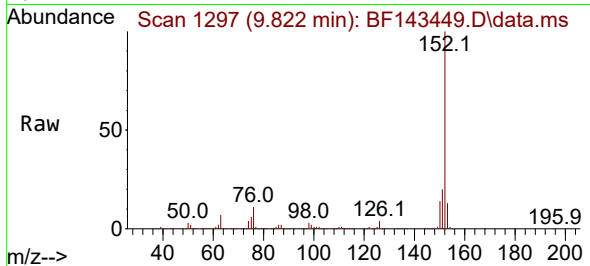




#49
Acenaphthylene
Concen: 52.034 ng
RT: 9.822 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

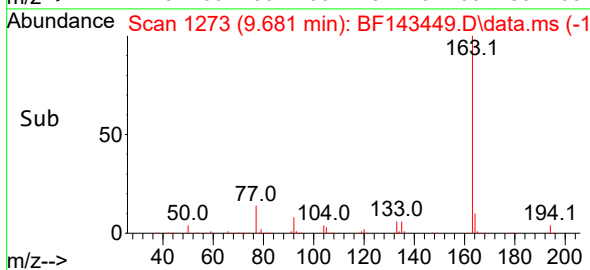
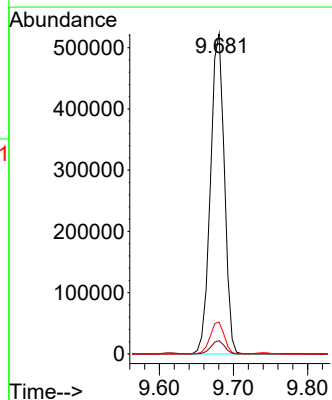
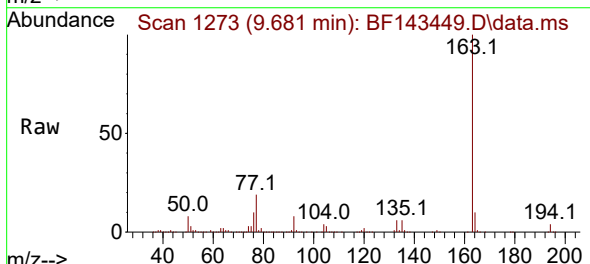
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

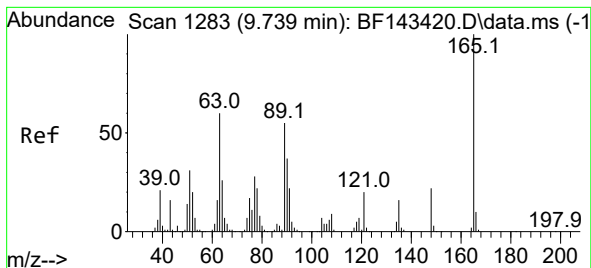
Tgt Ion:152 Resp: 952589
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 13.3 10.8 16.2



#50
Dimethylphthalate
Concen: 47.737 ng
RT: 9.681 min Scan# 1273
Delta R.T. 0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:163 Resp: 680406
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.0 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 52.063 ng

RT: 9.739 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

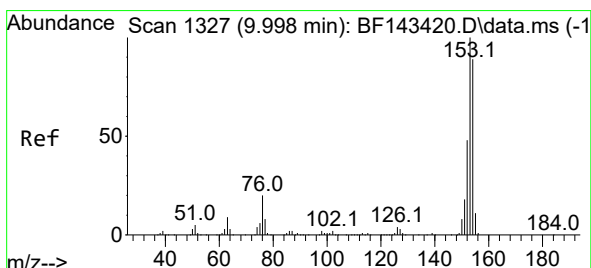
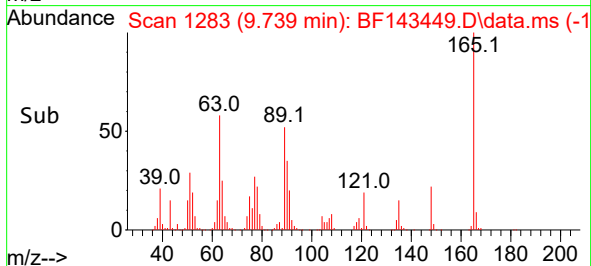
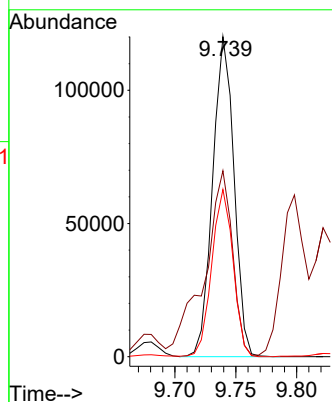
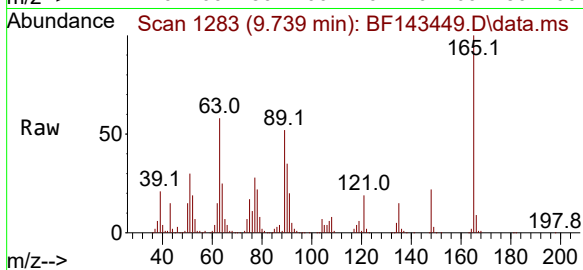
Tgt Ion:165 Resp: 146286

Ion Ratio Lower Upper

165 100

63 58.1 48.2 72.2

89 52.3 44.2 66.2



#52

Acenaphthene

Concen: 49.235 ng

RT: 9.998 min Scan# 1327

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

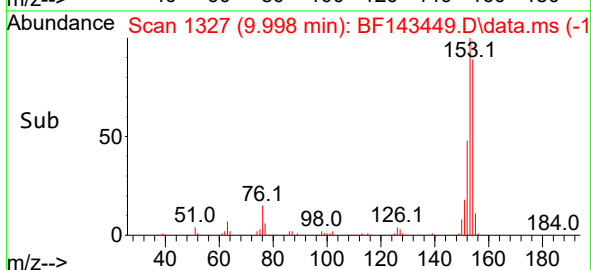
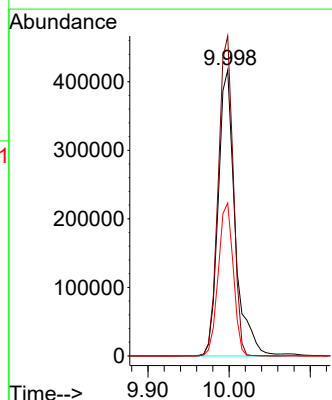
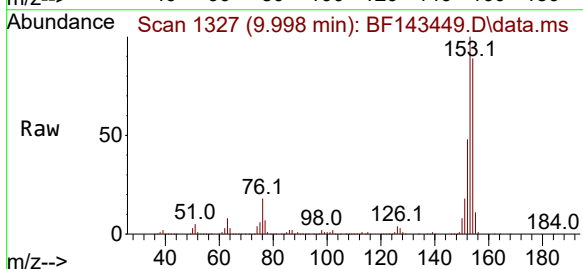
Tgt Ion:154 Resp: 606233

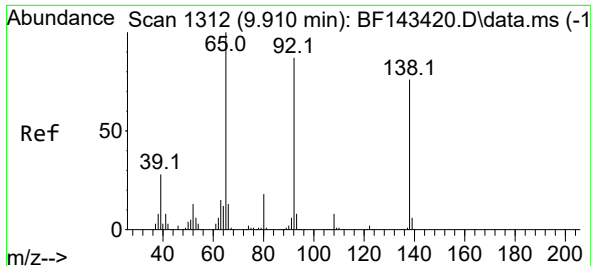
Ion Ratio Lower Upper

154 100

153 111.9 89.5 134.3

152 53.5 42.6 64.0

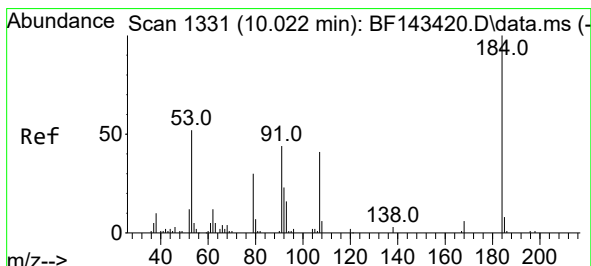
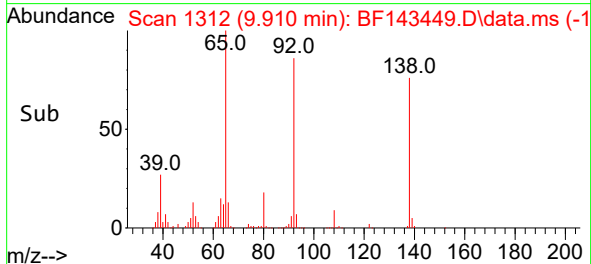
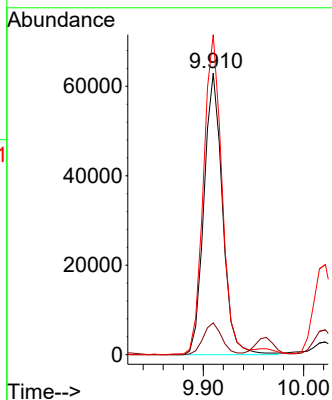
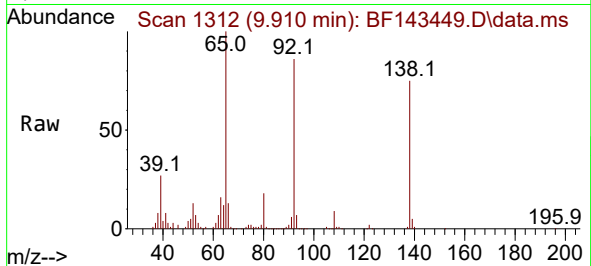




#53
3-Nitroaniline
Concen: 25.880 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

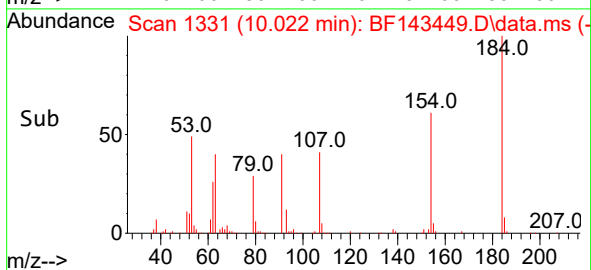
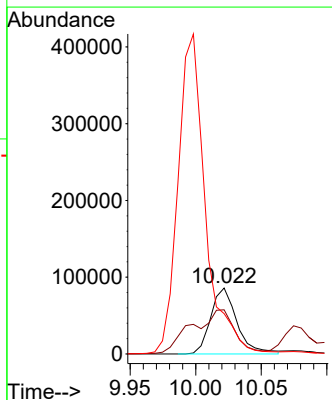
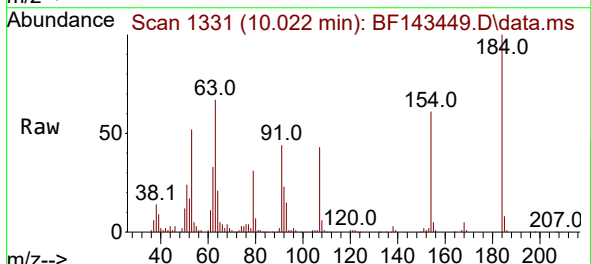
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

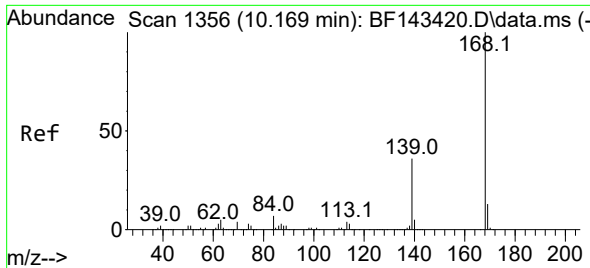
Tgt Ion:138 Resp: 81000
Ion Ratio Lower Upper
138 100
108 11.3 8.7 13.1
92 113.7 91.4 137.2



#54
2,4-Dinitrophenol
Concen: 90.720 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:184 Resp: 119594
Ion Ratio Lower Upper
184 100
63 66.9 53.2 79.8
154 61.3 51.3 76.9

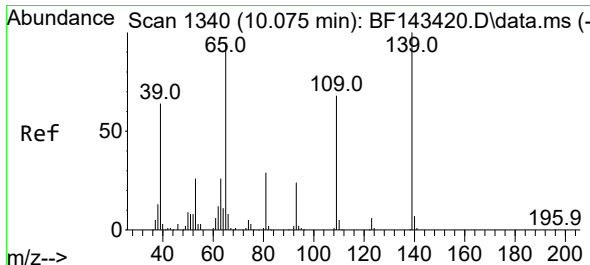
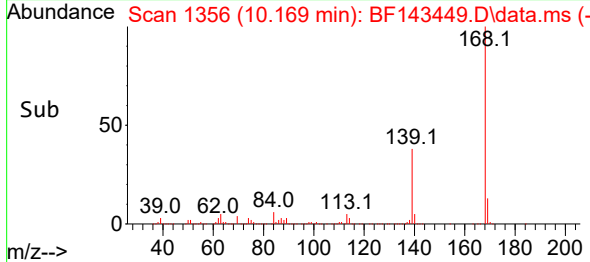
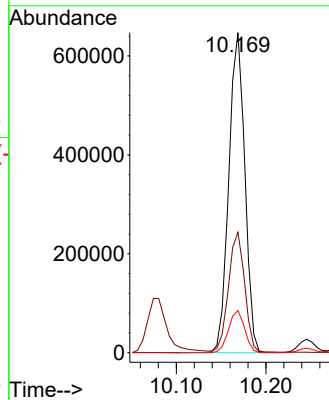
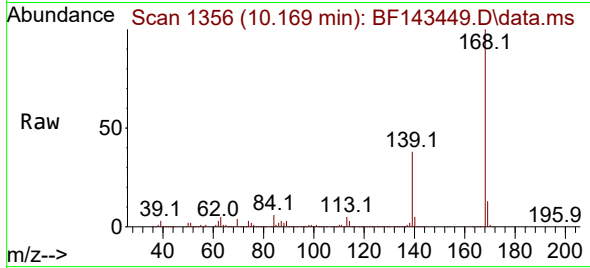




#55
Dibenzofuran
Concen: 45.159 ng
RT: 10.169 min Scan# 1356
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

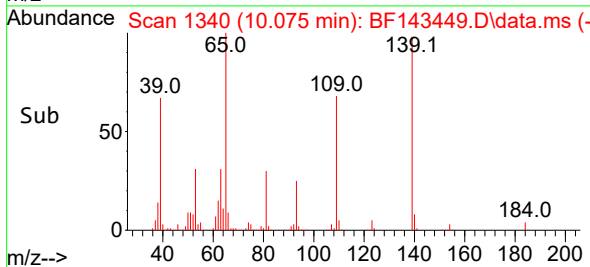
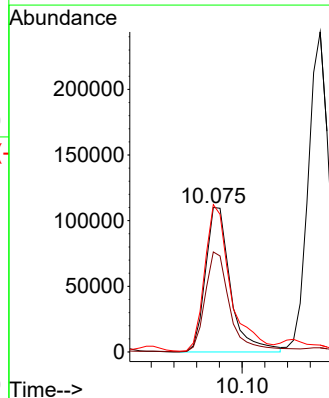
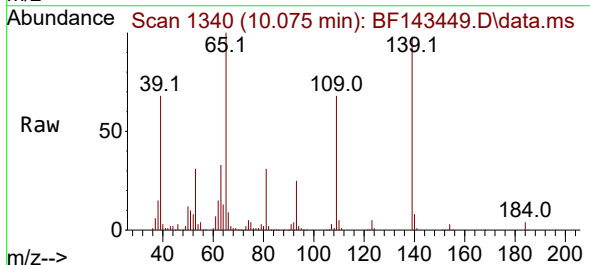
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

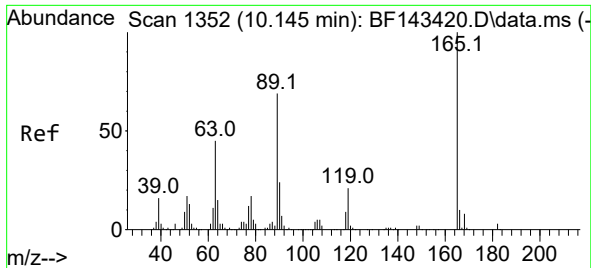
Tgt Ion:168 Resp: 802136
Ion Ratio Lower Upper
168 100
139 37.7 29.3 43.9
169 13.2 10.8 16.2



#56
4-Nitrophenol
Concen: 85.723 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:139 Resp: 168682
Ion Ratio Lower Upper
139 100
109 69.2 47.7 87.7
65 102.0 76.4 116.4

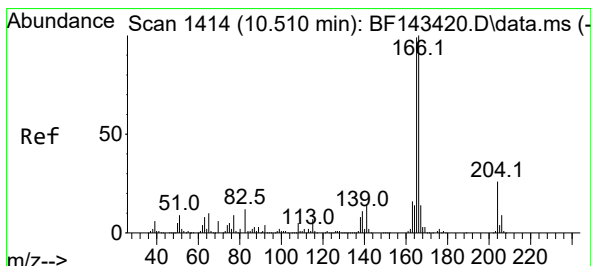
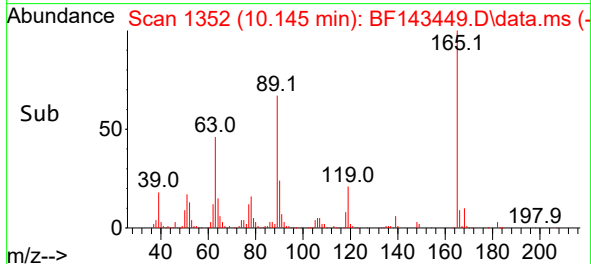
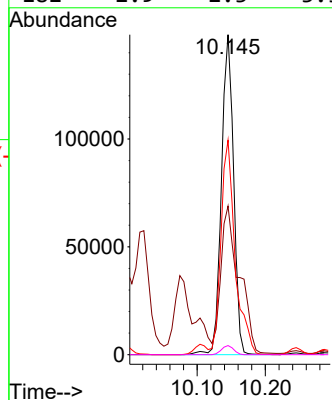
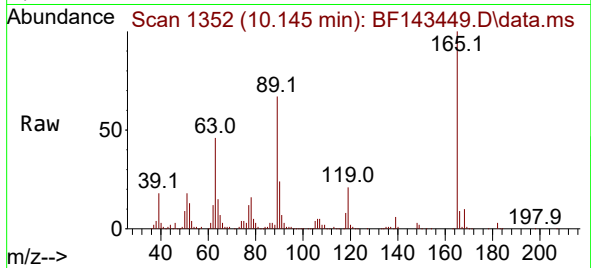




#57
2,4-Dinitrotoluene
Concen: 49.168 ng
RT: 10.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

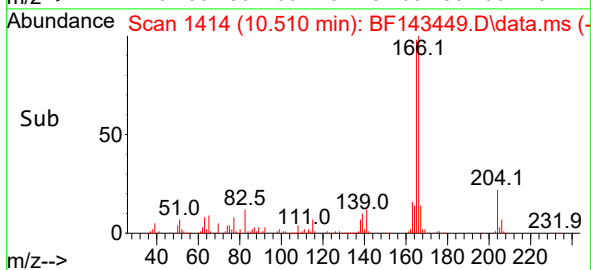
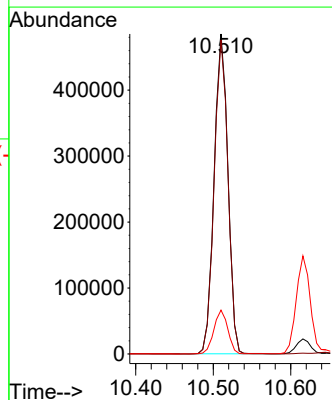
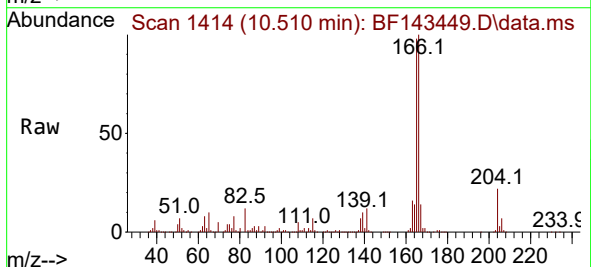
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

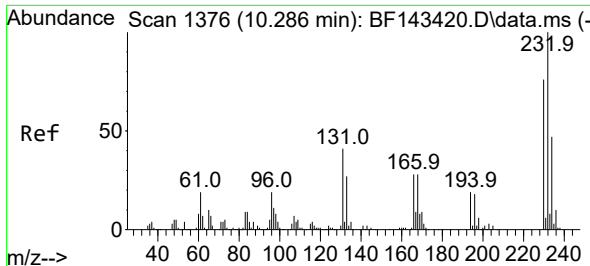
Tgt Ion:165 Resp: 184190
Ion Ratio Lower Upper
165 100
63 46.4 37.0 55.6
89 67.1 55.4 83.0
182 2.9 2.3 3.5



#58
Fluorene
Concen: 43.933 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

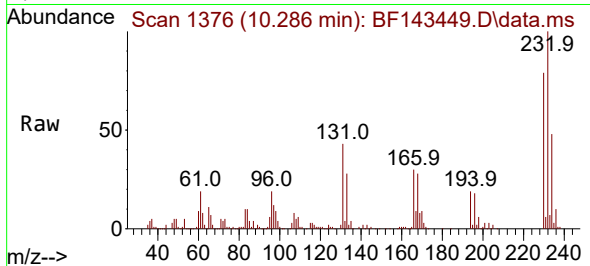
Tgt Ion:166 Resp: 599489
Ion Ratio Lower Upper
166 100
165 98.2 79.0 118.6
167 13.7 10.9 16.3



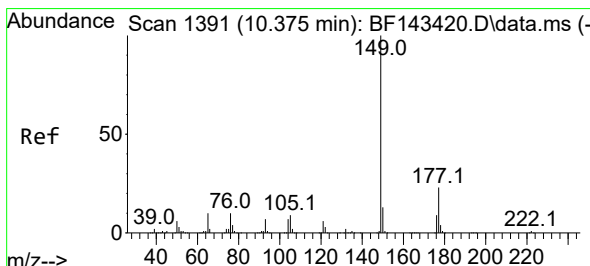
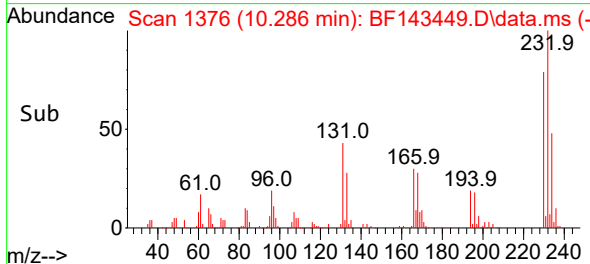
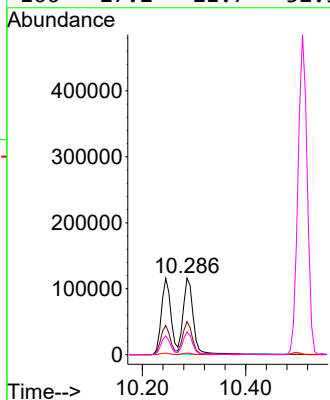


#59
2,3,4,6-Tetrachlorophenol
Concen: 48.871 ng
RT: 10.286 min Scan# 1376
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

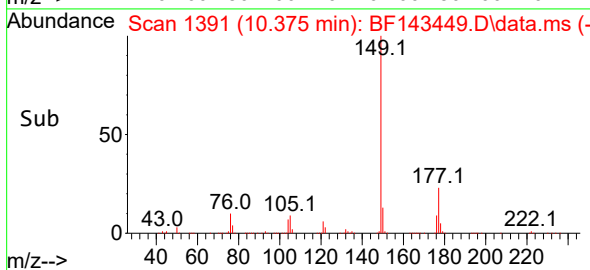
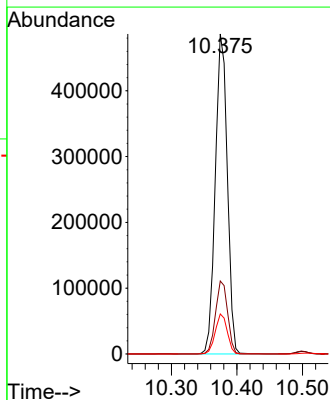
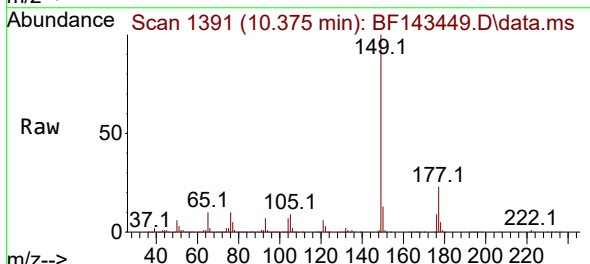


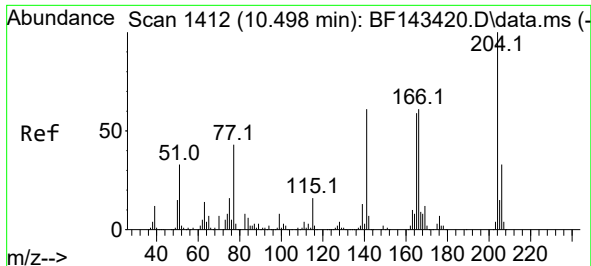
Tgt Ion:232 Resp: 157718
Ion Ratio Lower Upper
232 100
131 41.1 32.0 48.0
130 2.1 1.7 2.5
166 27.2 21.7 32.5



#60
Diethylphthalate
Concen: 46.873 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:149 Resp: 617383
Ion Ratio Lower Upper
149 100
177 22.8 18.2 27.4
150 12.5 10.1 15.1

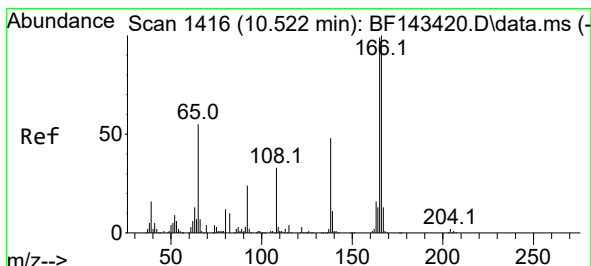
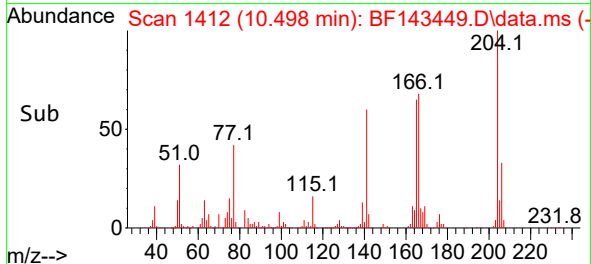
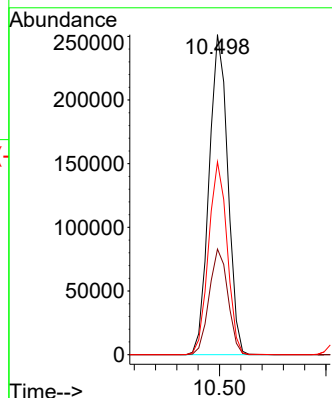
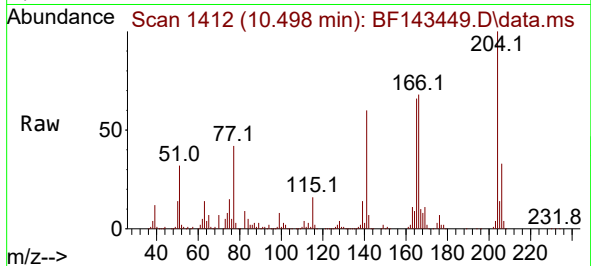




#61
4-Chlorophenyl-phenylether
Concen: 45.531 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

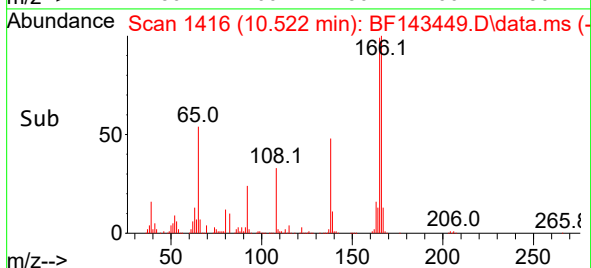
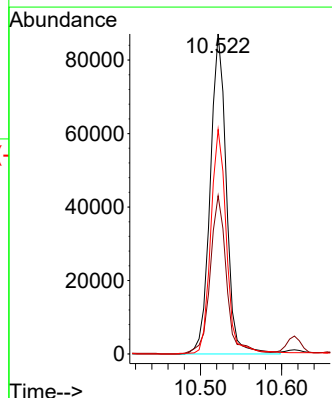
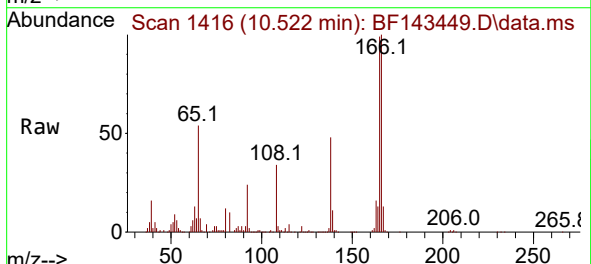
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

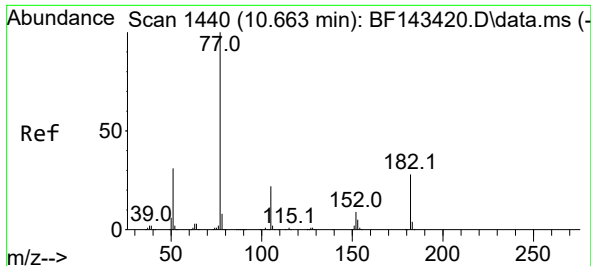
Tgt Ion:204 Resp: 307174
Ion Ratio Lower Upper
204 100
206 33.0 26.5 39.7
141 60.3 49.0 73.4



#62
4-Nitroaniline
Concen: 41.074 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:138 Resp: 120228
Ion Ratio Lower Upper
138 100
92 49.5 29.4 69.4
108 70.2 48.6 88.6

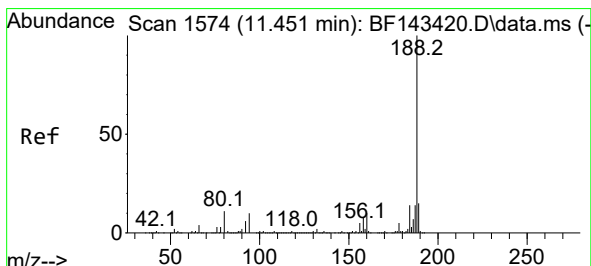
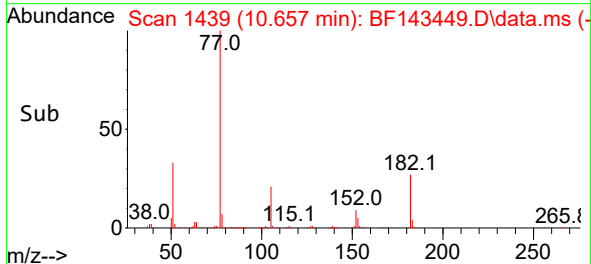
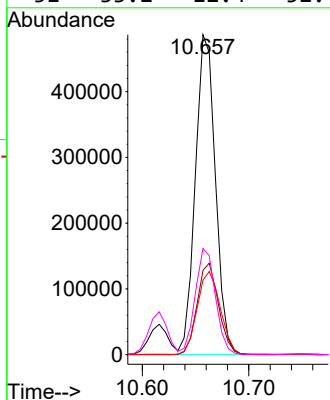
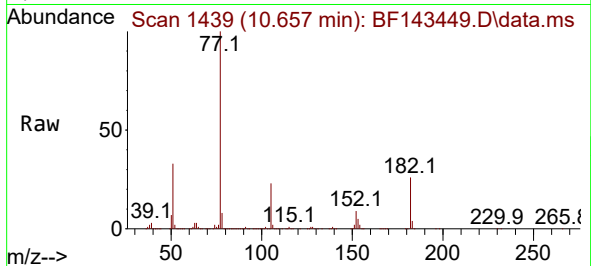




#63
Azobenzene
Concen: 47.798 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

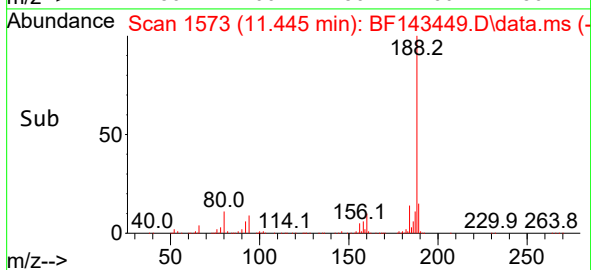
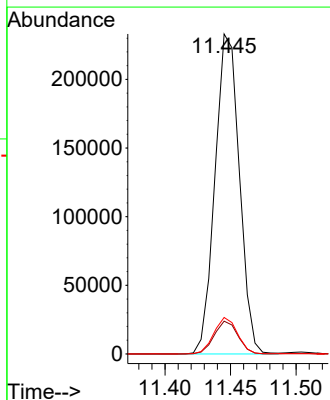
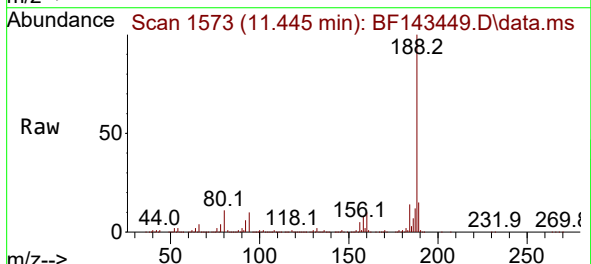
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

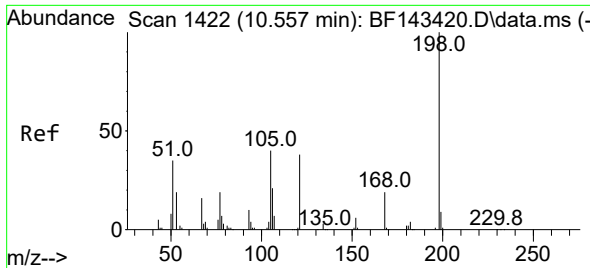
Tgt Ion: 77	Resp: 636313
Ion Ratio	Lower Upper
77 100	
182 26.4	7.4 47.4
105 23.3	1.7 41.7
51 33.2	12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion: 188	Resp: 301268
Ion Ratio	Lower Upper
188 100	
94 10.3	8.0 12.0
80 11.4	8.6 12.8

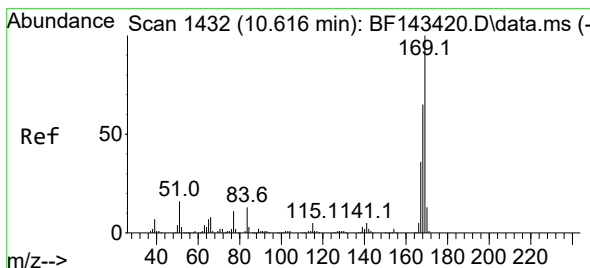
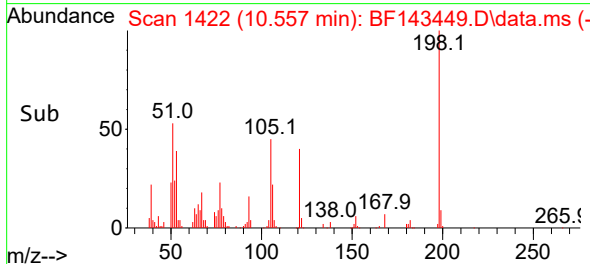
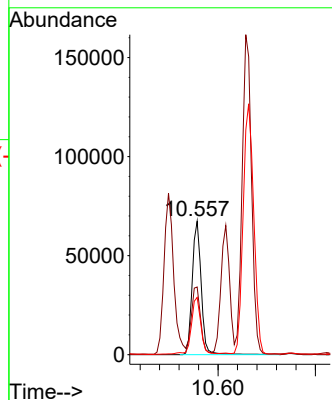
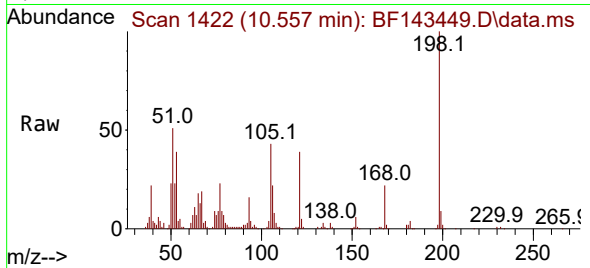




#65
4,6-Dinitro-2-methylphenol
Concen: 55.898 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

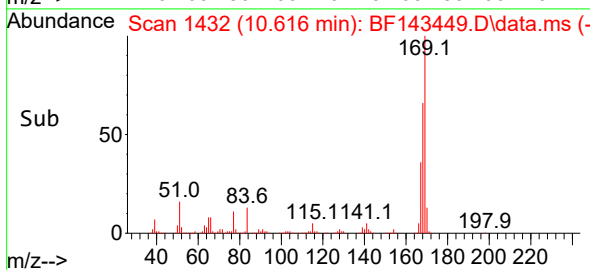
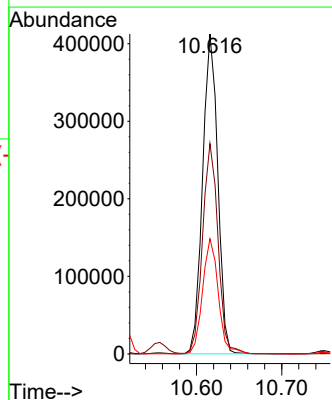
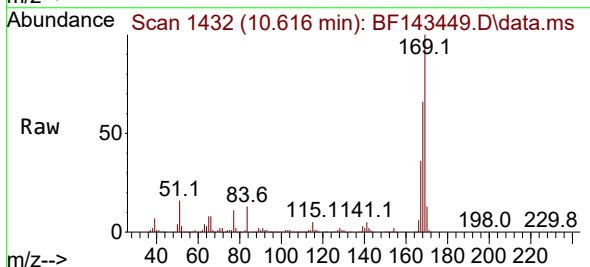
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

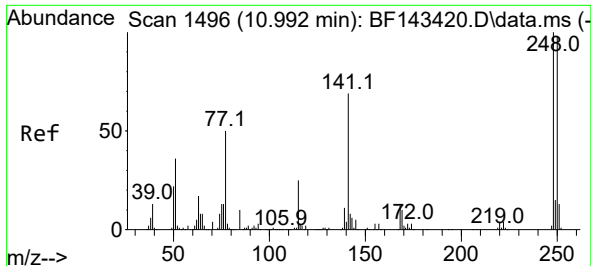
Tgt Ion:198 Resp: 86890
Ion Ratio Lower Upper
198 100
51 50.8 31.2 71.2
105 43.0 21.7 61.7



#66
n-Nitrosodiphenylamine
Concen: 52.014 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:169 Resp: 509521
Ion Ratio Lower Upper
169 100
168 65.8 52.5 78.7
167 36.0 28.6 42.8

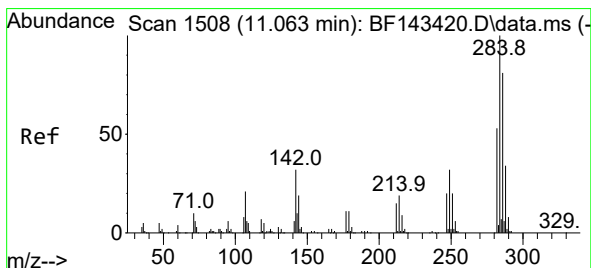
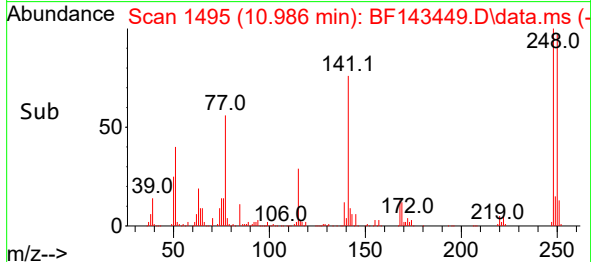
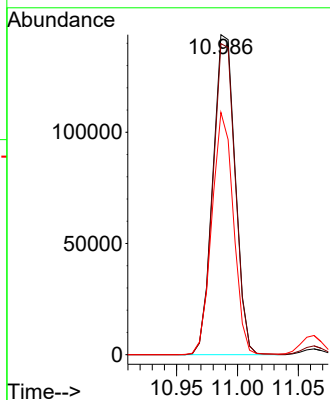
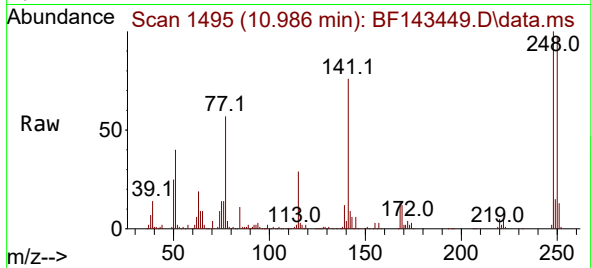




#67
4-Bromophenyl-phenylether
Concen: 51.786 ng
RT: 10.986 min Scan# 1495
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

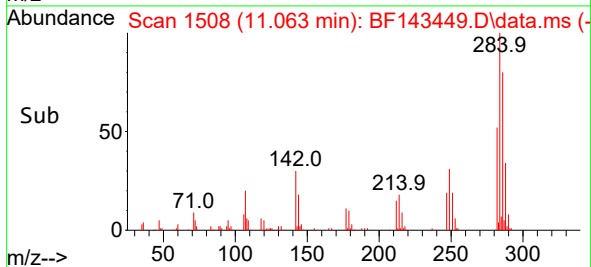
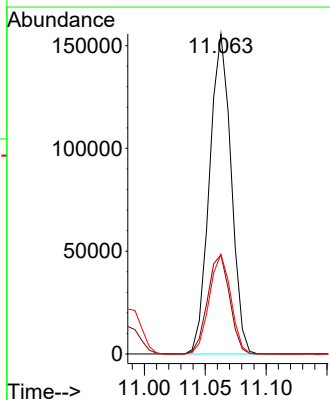
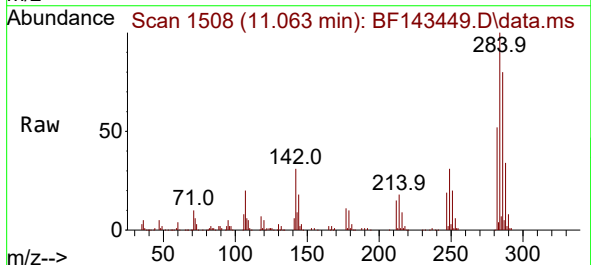
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

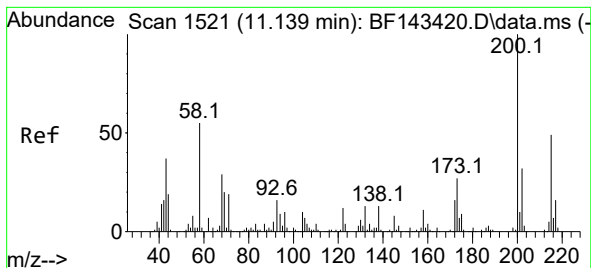
Tgt Ion:248 Resp: 184233
Ion Ratio Lower Upper
248 100
250 97.2 78.6 118.0
141 75.7 54.9 82.3



#68
Hexachlorobenzene
Concen: 50.709 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:284 Resp: 191784
Ion Ratio Lower Upper
284 100
142 31.0 25.4 38.2
249 31.1 25.4 38.0





#69

Atrazine

Concen: 51.767 ng

RT: 11.139 min Scan# 1521

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

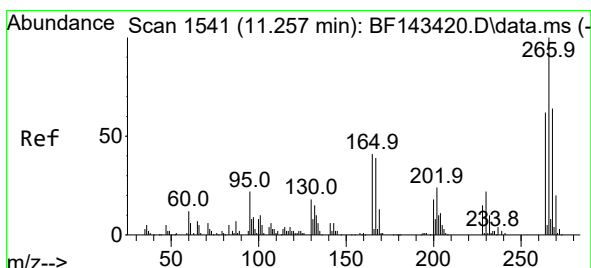
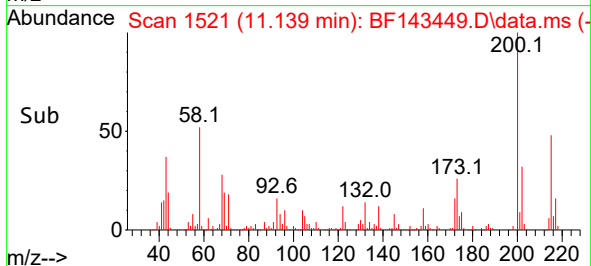
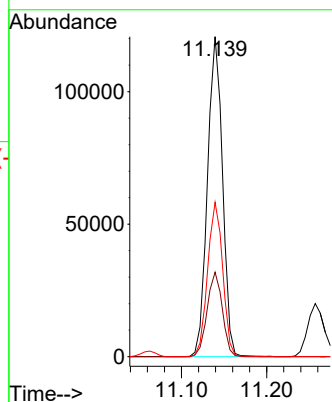
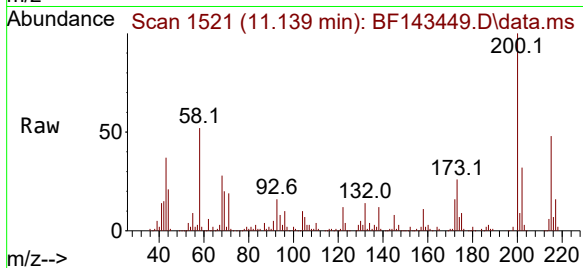
Tgt Ion:200 Resp: 148322

Ion Ratio Lower Upper

200 100

173 26.4 6.6 46.6

215 48.2 29.5 69.5



#70

Pentachlorophenol

Concen: 103.630 ng

RT: 11.257 min Scan# 1541

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

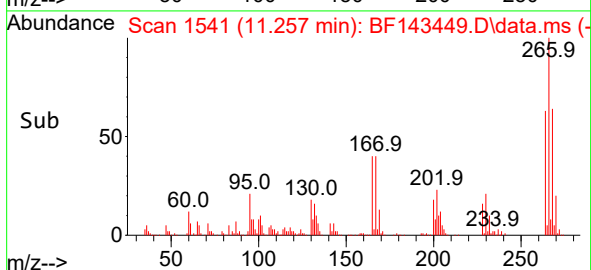
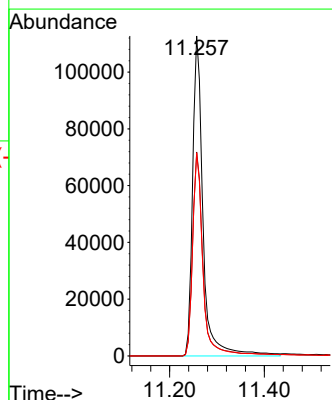
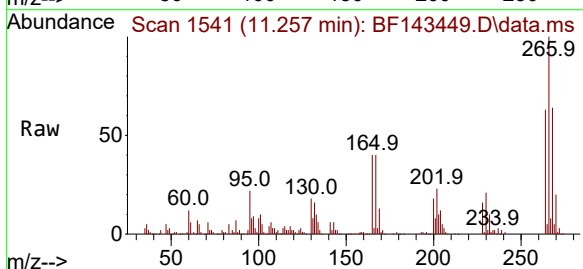
Tgt Ion:266 Resp: 172361

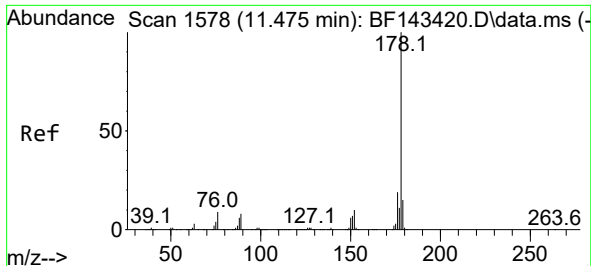
Ion Ratio Lower Upper

266 100

268 63.7 51.0 76.6

264 63.3 49.3 73.9

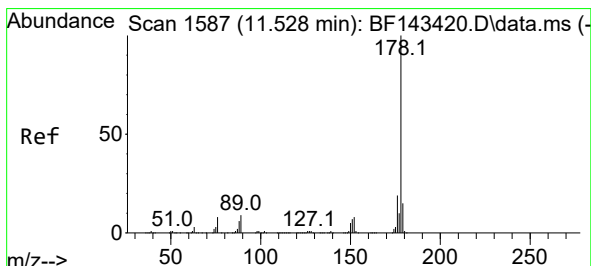
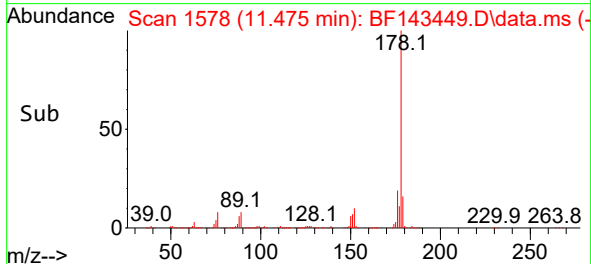
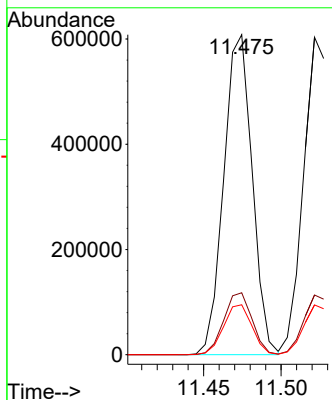
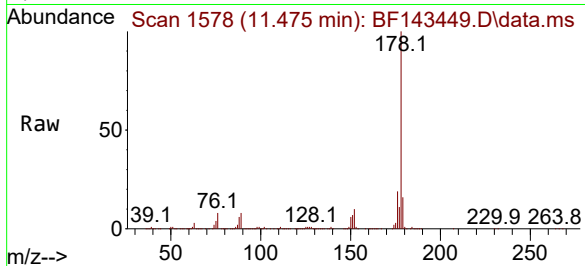




#71
Phenanthrene
Concen: 47.593 ng
RT: 11.475 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

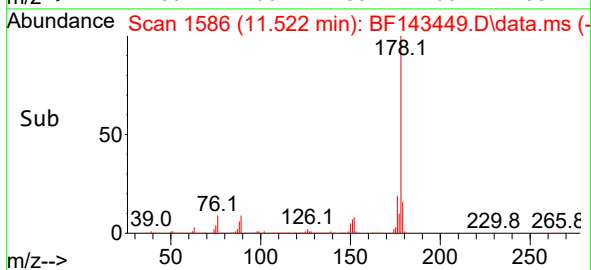
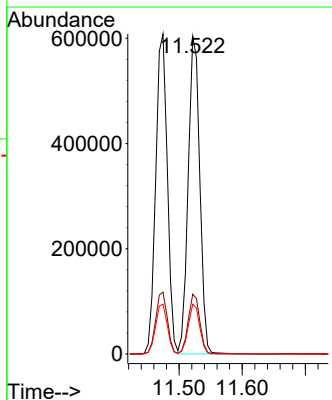
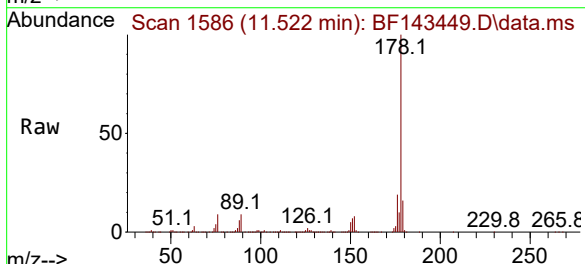
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

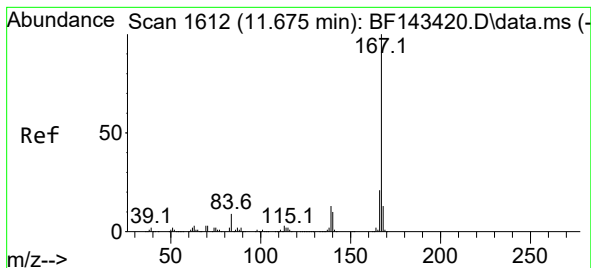
Tgt Ion:178 Resp: 776435
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.6 12.3 18.5



#72
Anthracene
Concen: 46.860 ng
RT: 11.522 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:178 Resp: 772138
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 15.7 12.2 18.4





#73

Carbazole

Concen: 44.871 ng

RT: 11.675 min Scan# 1612

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

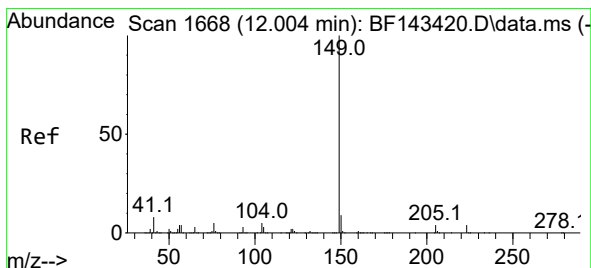
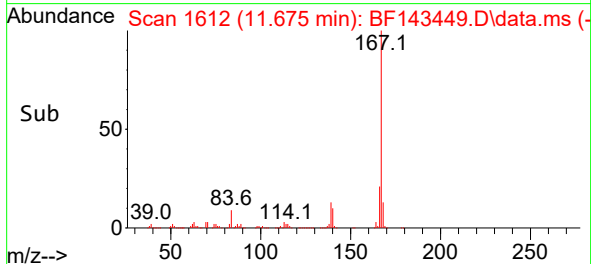
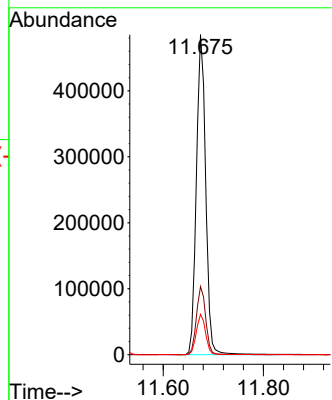
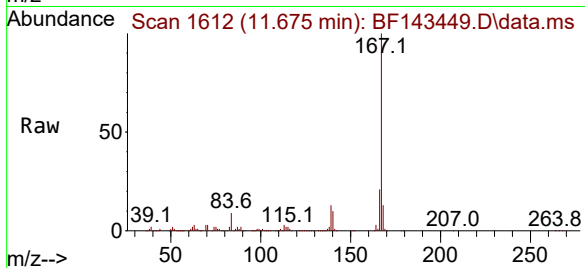
Tgt Ion:167 Resp: 625322

Ion Ratio Lower Upper

167 100

166 21.3 17.2 25.8

139 12.6 10.1 15.1



#74

Di-n-butylphthalate

Concen: 57.471 ng

RT: 12.004 min Scan# 1668

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

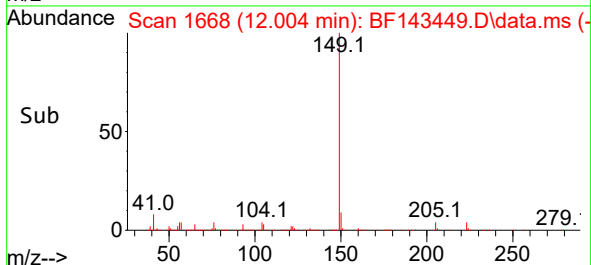
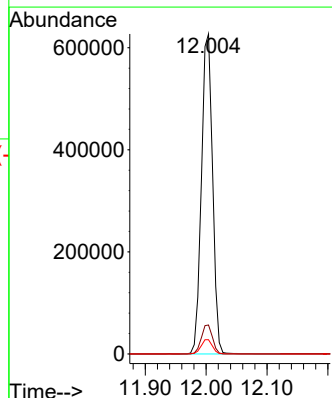
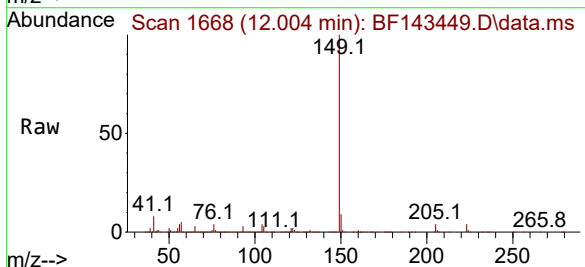
Tgt Ion:149 Resp: 797580

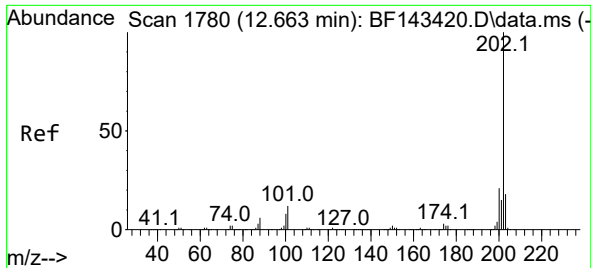
Ion Ratio Lower Upper

149 100

150 9.1 7.3 10.9

104 4.5 3.8 5.6

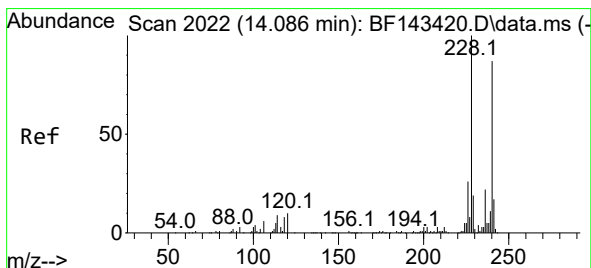
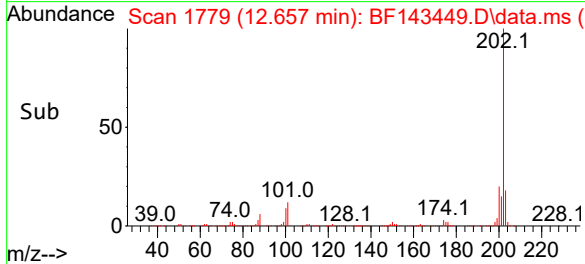
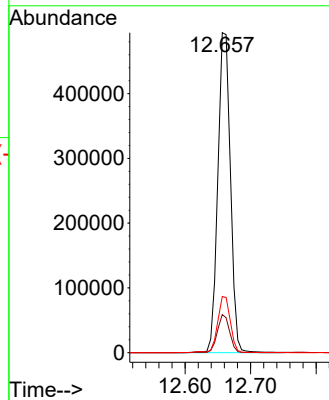
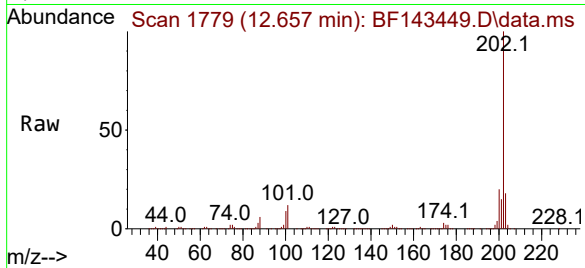




#75
Fluoranthene
Concen: 45.249 ng
RT: 12.657 min Scan# 1779
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

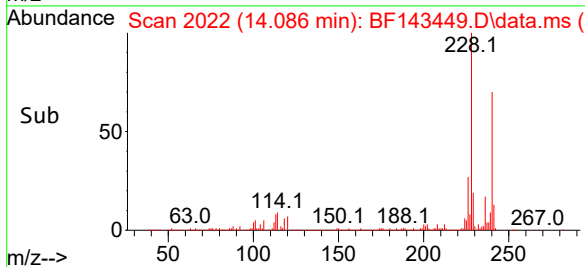
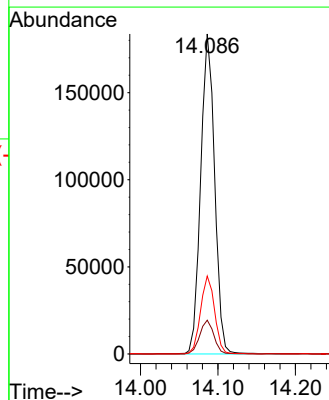
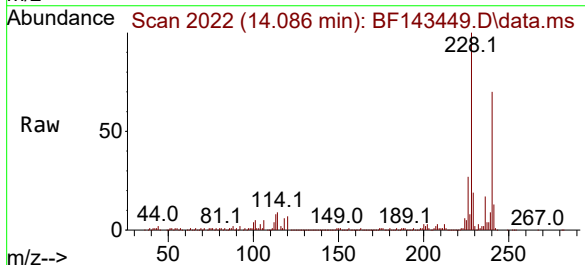
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

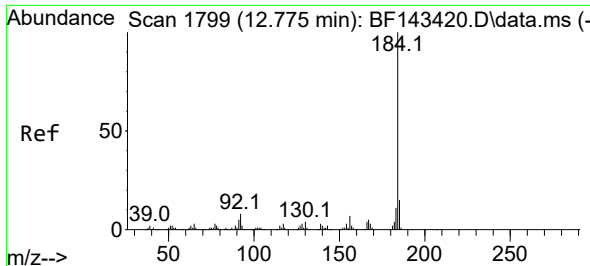
Tgt Ion:202 Resp: 655932
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.5
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:240 Resp: 229466
Ion Ratio Lower Upper
240 100
120 10.5 9.0 13.4
236 24.4 20.2 30.2

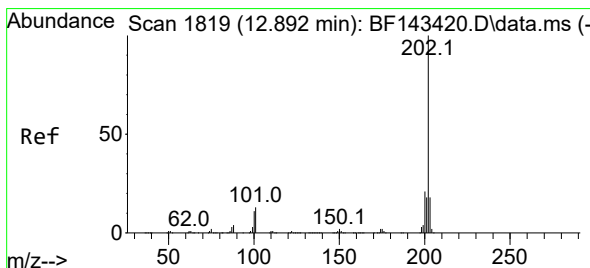
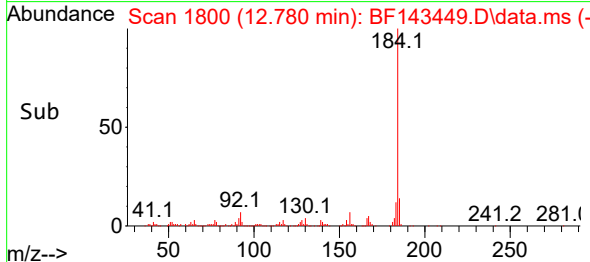
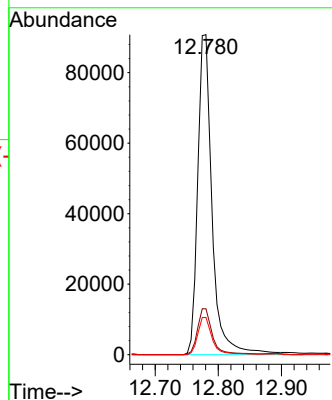
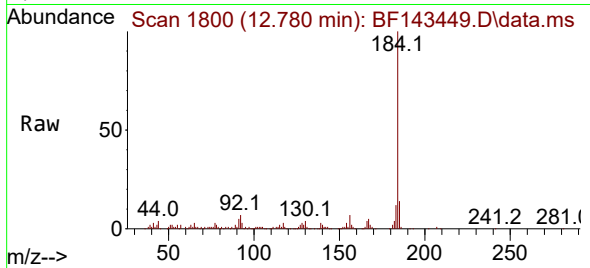




#77
Benzidine
Concen: 20.938 ng
RT: 12.780 min Scan# 1799
Delta R.T. 0.005 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

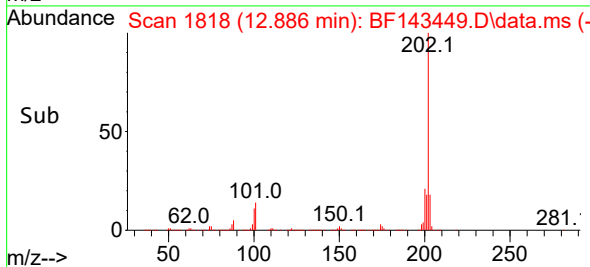
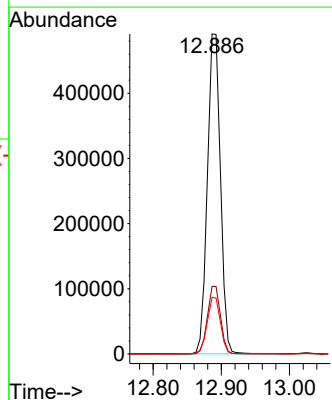
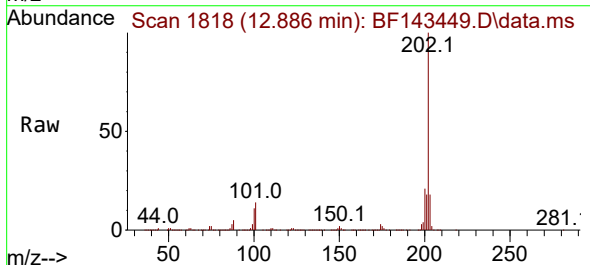
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

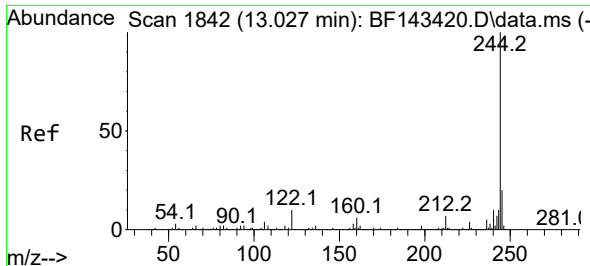
Tgt Ion:184 Resp: 143473
Ion Ratio Lower Upper
184 100
185 14.4 12.2 18.2
183 11.7 9.2 13.8



#78
Pyrene
Concen: 32.843 ng
RT: 12.886 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:202 Resp: 655040
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 17.7 14.2 21.2

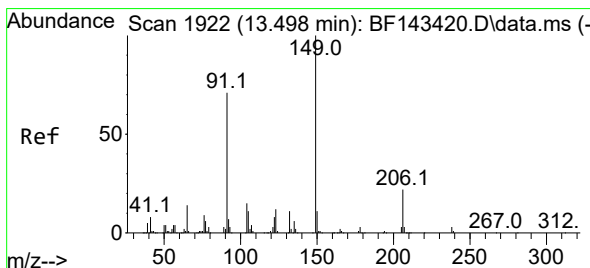
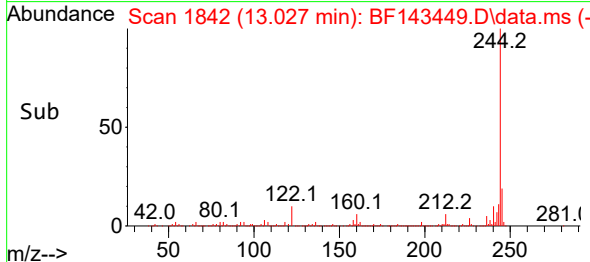
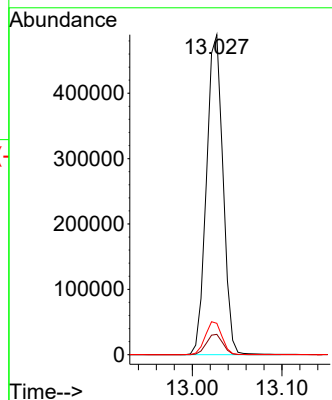
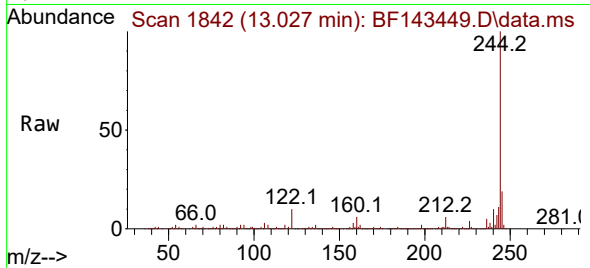




#79
 Terphenyl-d14
 Concen: 45.820 ng
 RT: 13.027 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: BF143449.D
 Acq: 19 Aug 2025 11:35

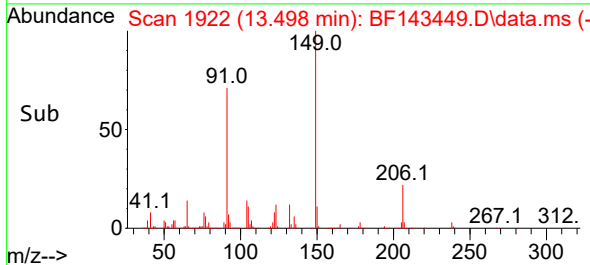
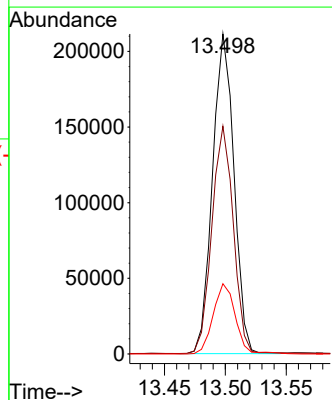
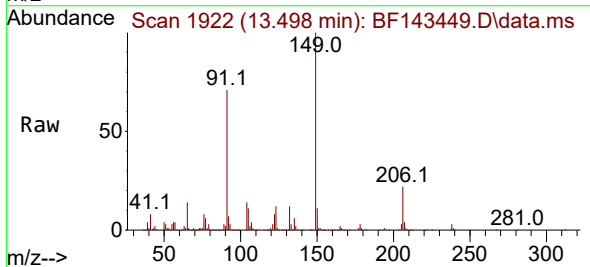
Instrument :
 BNA_F
 ClientSampleId :
 DRILL CUTTING 1-3 COMPMS

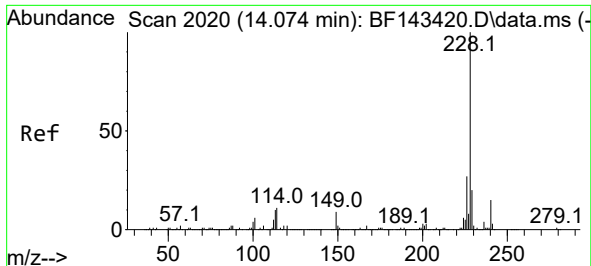
Tgt Ion:244 Resp: 625894
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.2 7.8
 122 9.8 8.3 12.5



#80
 Butylbenzylphthalate
 Concen: 52.385 ng
 RT: 13.498 min Scan# 1922
 Delta R.T. -0.000 min
 Lab File: BF143449.D
 Acq: 19 Aug 2025 11:35

Tgt Ion:149 Resp: 258783
 Ion Ratio Lower Upper
 149 100
 91 71.2 57.0 85.4
 206 22.0 17.6 26.4

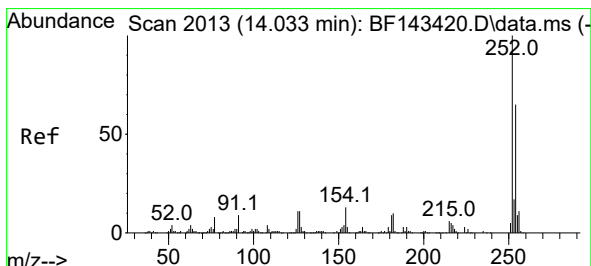
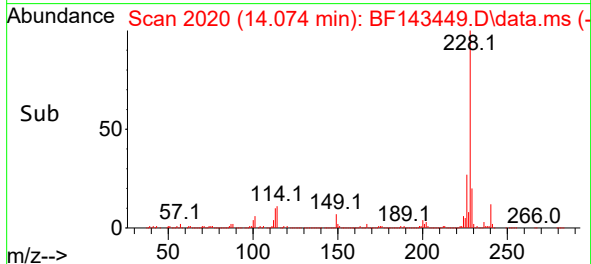
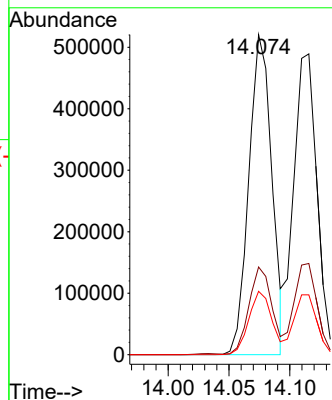
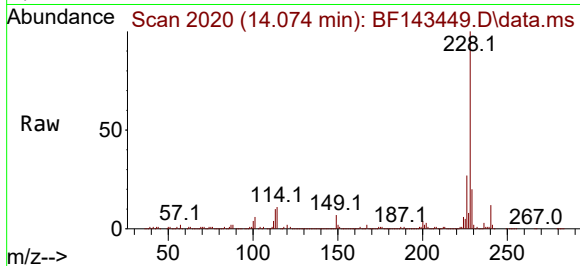




#81
Benzo(a)anthracene
Concen: 46.755 ng
RT: 14.074 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

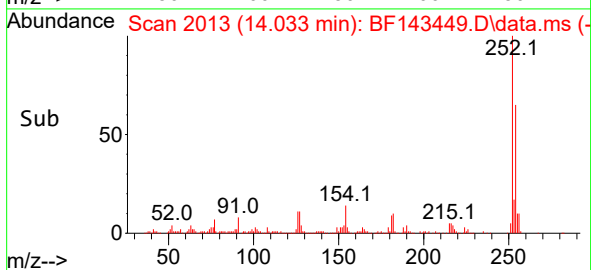
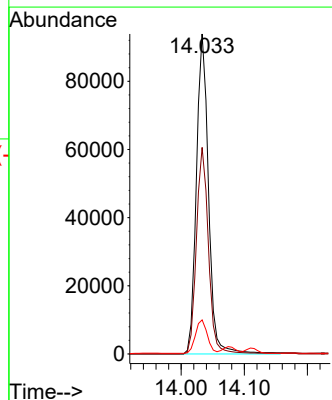
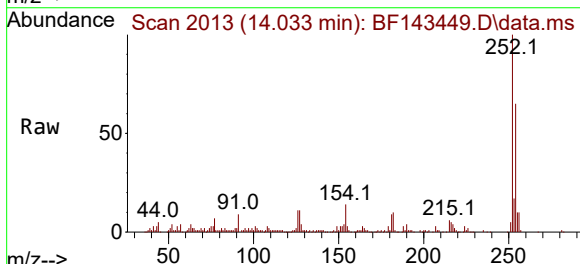
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

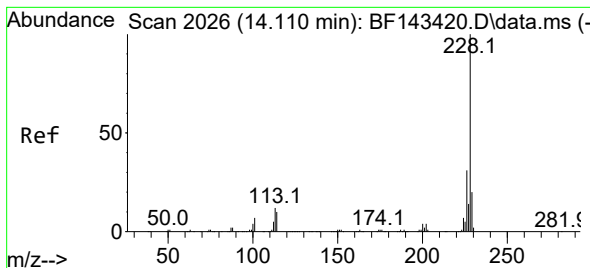
Tgt Ion:228 Resp: 683053
Ion Ratio Lower Upper
228 100
226 27.4 21.5 32.3
229 19.8 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 29.206 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:252 Resp: 124926
Ion Ratio Lower Upper
252 100
254 64.5 51.6 77.4
126 10.7 8.8 13.2





#83

Chrysene

Concen: 48.503 ng

RT: 14.116 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

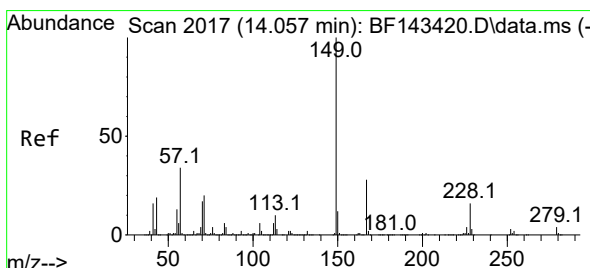
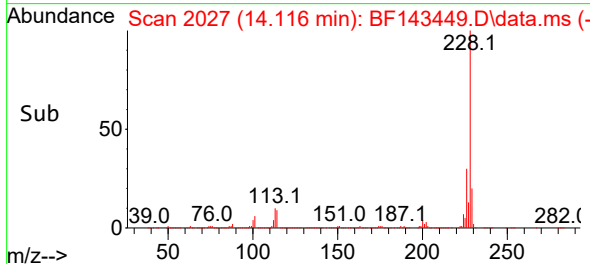
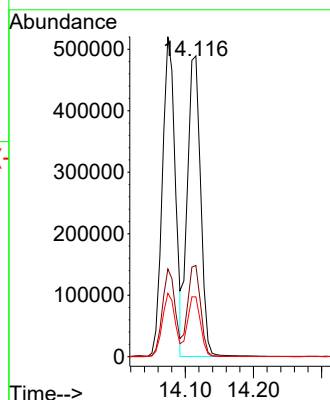
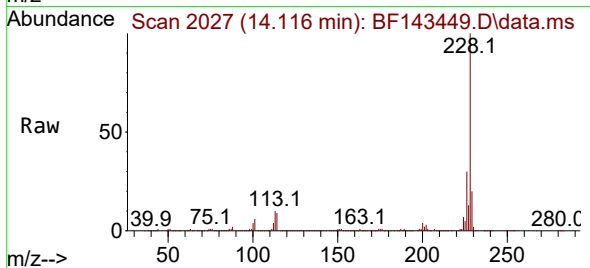
Tgt Ion:228 Resp: 655070

Ion Ratio Lower Upper

228 100

226 30.3 24.3 36.5

229 19.9 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.979 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

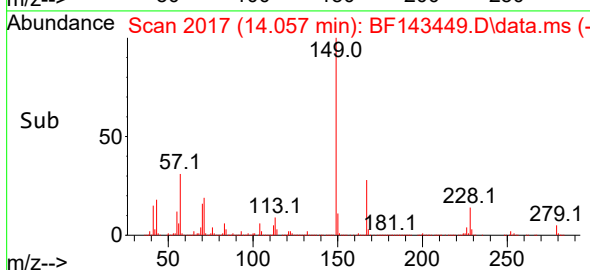
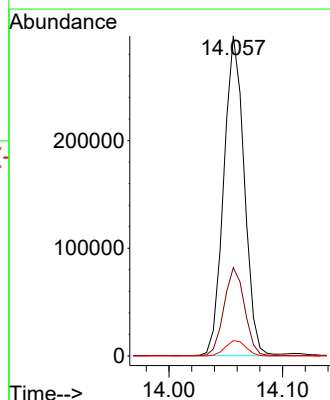
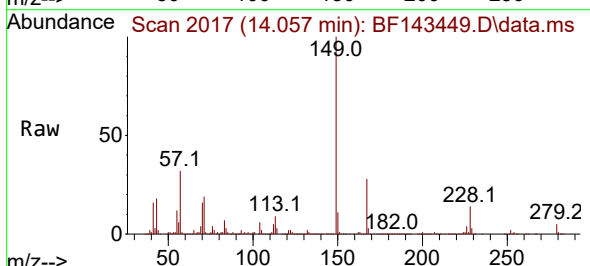
Tgt Ion:149 Resp: 371677

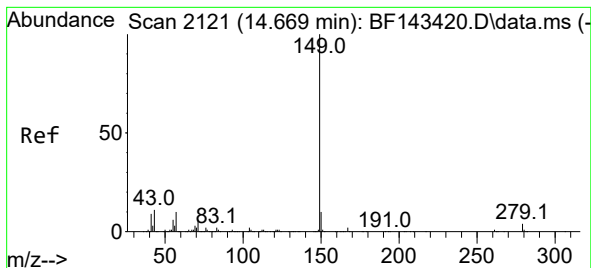
Ion Ratio Lower Upper

149 100

167 27.6 22.6 33.8

279 4.8 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 49.293 ng

RT: 14.668 min Scan# 2121

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

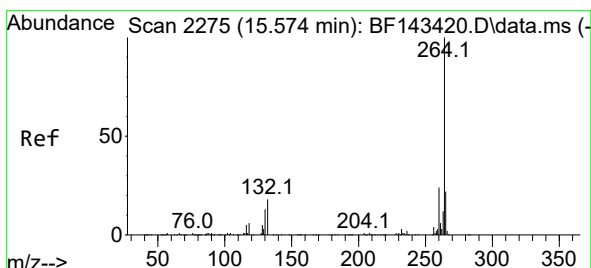
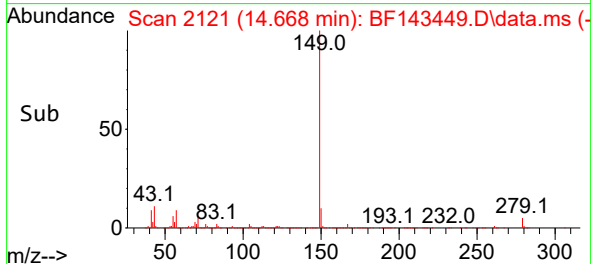
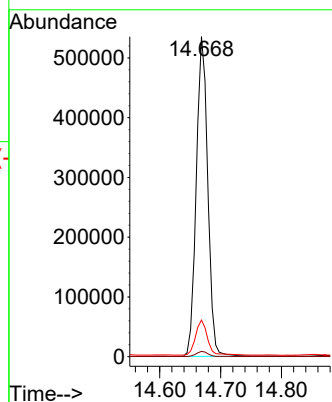
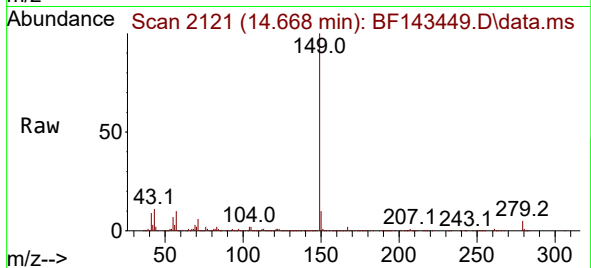
Tgt Ion:149 Resp: 701407

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

43 11.2 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: BF143449.D

Acq: 19 Aug 2025 11:35

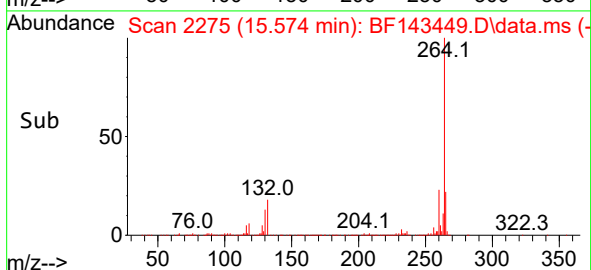
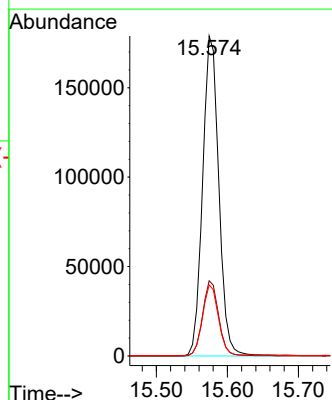
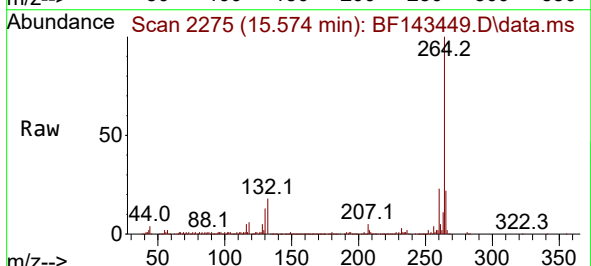
Tgt Ion:264 Resp: 284363

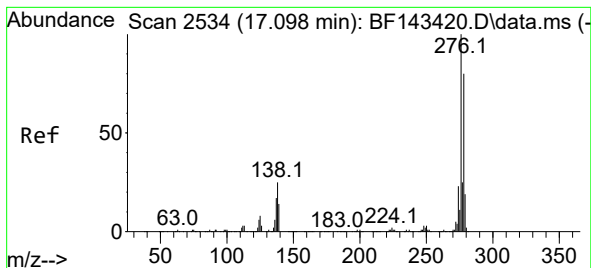
Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 22.2 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 33.525 ng

RT: 17.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

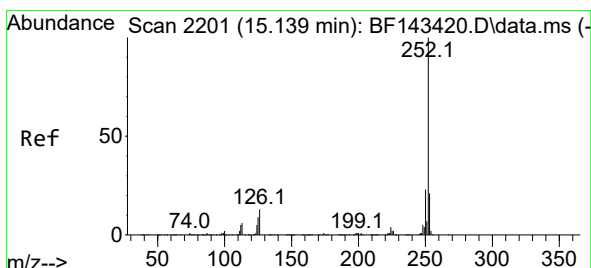
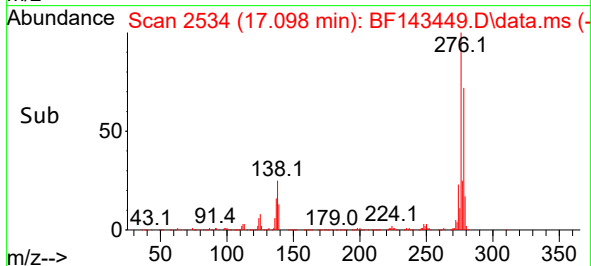
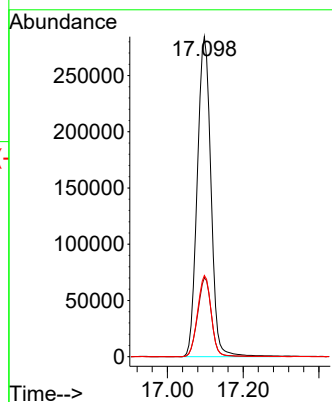
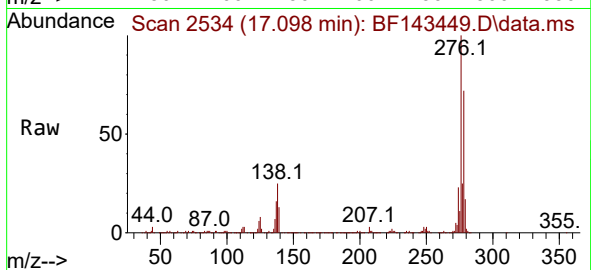
Tgt Ion:276 Resp: 714910

Ion Ratio Lower Upper

276 100

138 24.7 20.2 30.4

277 25.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 57.053 ng

RT: 15.139 min Scan# 2201

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

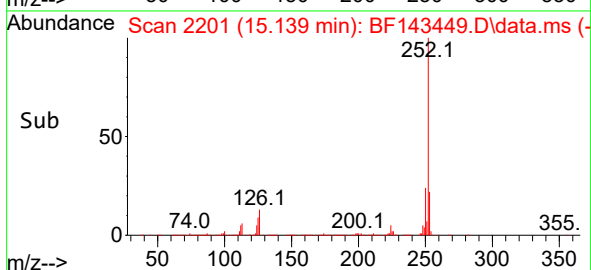
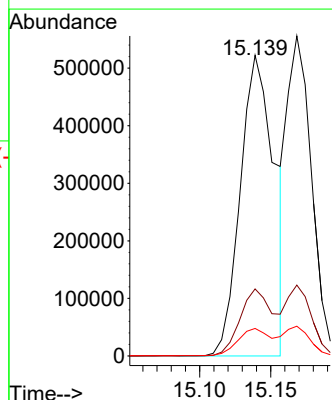
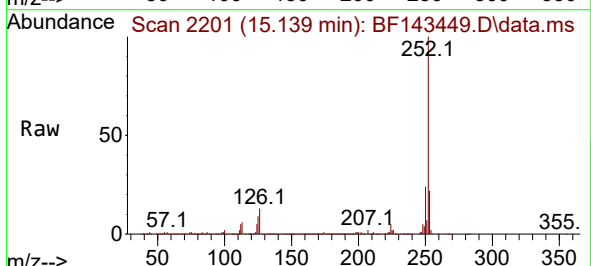
Tgt Ion:252 Resp: 869532

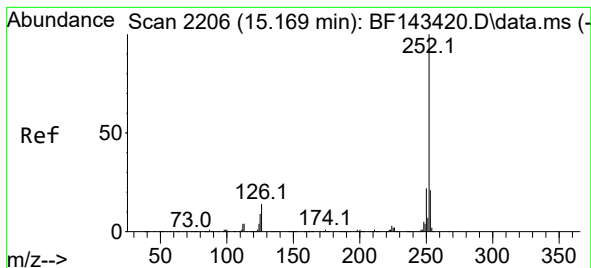
Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

125 9.2 7.5 11.3





#89

Benzo(k)fluoranthene

Concen: 44.242 ng

RT: 15.168 min Scan# 2206

Delta R.T. -0.000 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

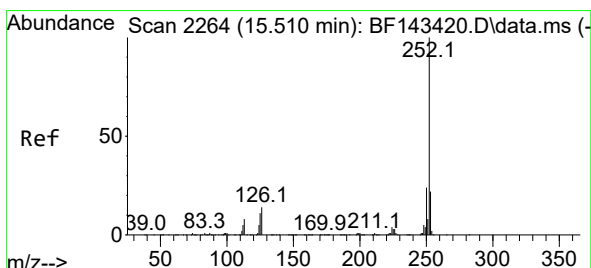
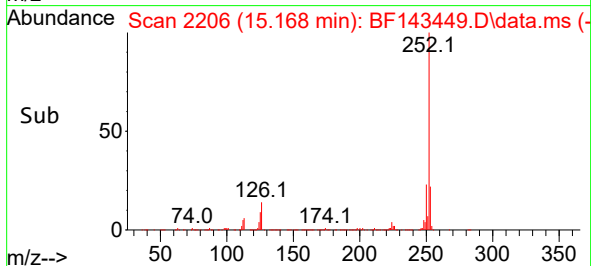
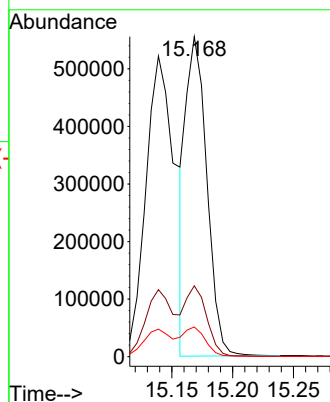
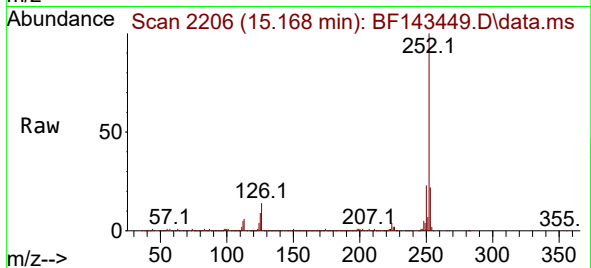
Tgt Ion:252 Resp: 665050

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 9.3 7.4 11.2



#90

Benzo(a)pyrene

Concen: 50.905 ng

RT: 15.515 min Scan# 2265

Delta R.T. 0.006 min

Lab File: BF143449.D

Acq: 19 Aug 2025 11:35

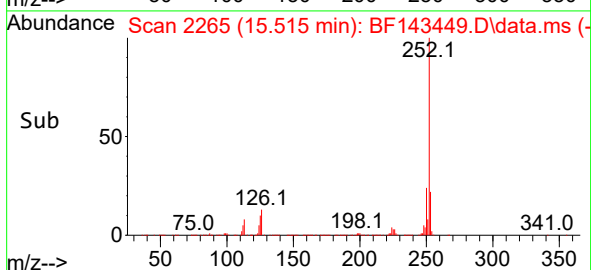
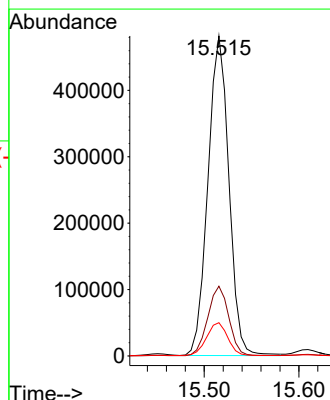
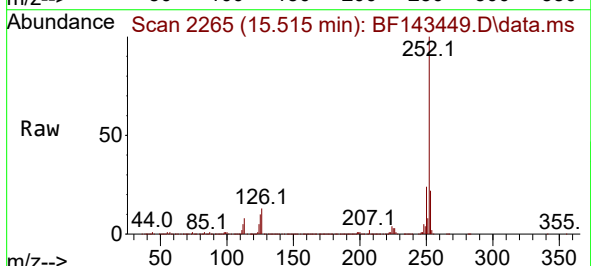
Tgt Ion:252 Resp: 738937

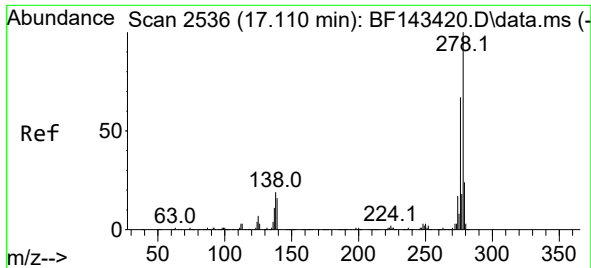
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 10.4 8.6 12.8

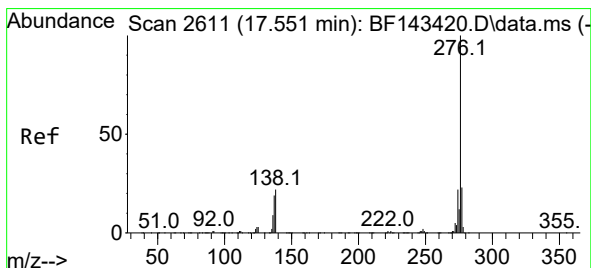
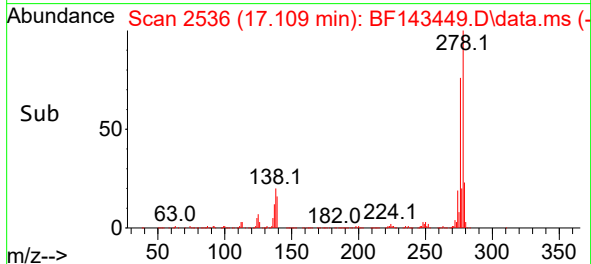
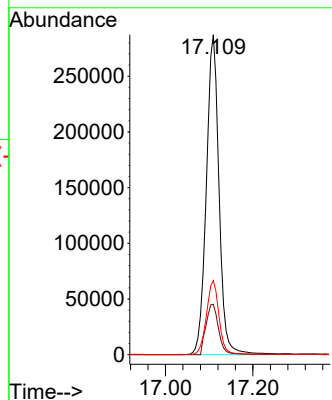
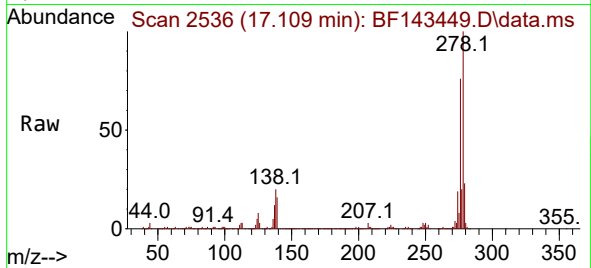




#91
Dibenzo(a,h)anthracene
Concen: 34.037 ng
RT: 17.109 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:278 Resp: 582864
Ion Ratio Lower Upper
278 100
139 15.8 12.9 19.3
279 23.2 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 31.676 ng
RT: 17.551 min Scan# 2611
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:276 Resp: 541892
Ion Ratio Lower Upper
276 100
277 23.6 18.7 28.1
138 22.0 17.5 26.3

