

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031925\
 Data File : BF142005.D
 Acq On : 19 Mar 2025 14:45
 Operator : RC/JU
 Sample : Q1598-03MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11944MSD

Quant Time: Mar 19 15:17:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	169354	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	647038	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	295820	20.000	ng	0.01
64) Phenanthrene-d10	11.445	188	410741	20.000	ng	# 0.04
76) Chrysene-d12	14.080	240	402246	20.000	ng	# 0.04
86) Perylene-d12	15.539	264	293202	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	982774	96.851	ng	0.01
7) Phenol-d6	6.510	99	1213356	93.915	ng	0.00
23) Nitrobenzene-d5	7.445	82	787954	68.532	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	421949	112.434	ng	0.03
45) 2-Fluorobiphenyl	9.239	172	1425679	73.294	ng	0.00
79) Terphenyl-d14	13.033	244	1481130	54.439	ng	0.05
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	156182	36.734	ng	99
3) Pyridine	3.452	79	380438	36.478	ng	97
4) n-Nitrosodimethylamine	3.387	42	175581	35.318	ng	93
6) Aniline	6.545	93	185326	14.541	ng	94
8) 2-Chlorophenol	6.669	128	429723	38.184	ng	98
9) Benzaldehyde	6.428	77	114609	15.861	ng	100
10) Phenol	6.528	94	495274	36.439	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	400352	39.227	ng	96
12) 1,3-Dichlorobenzene	6.822	146	463678	38.163	ng	99
13) 1,4-Dichlorobenzene	6.898	146	465780	37.889	ng	100
14) 1,2-Dichlorobenzene	7.051	146	444793	38.414	ng	99
15) Benzyl Alcohol	7.022	79	374716	35.876	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	416928	33.838	ng	90
17) 2-Methylphenol	7.134	107	331331	37.028	ng	99
18) Hexachloroethane	7.392	117	158531	34.390	ng	97
19) n-Nitroso-di-n-propyla...	7.292	70	281589	33.920	ng	99
20) 3+4-Methylphenols	7.287	107	422579	36.870	ng	# 69
22) Acetophenone	7.287	105	649996	41.949	ng	97
24) Nitrobenzene	7.463	77	429588	37.584	ng	98
25) Isophorone	7.698	82	777615	38.261	ng	100
26) 2-Nitrophenol	7.775	139	191161	34.076	ng	99
27) 2,4-Dimethylphenol	7.816	122	353694	45.788	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	474679	37.238	ng	100
29) 2,4-Dichlorophenol	8.022	162	355720	37.101	ng	98
30) 1,2,4-Trichlorobenzene	8.104	180	391113	37.015	ng	99
31) Naphthalene	8.187	128	1181835	35.557	ng	100
32) Benzoic acid	7.922	122	249564	36.754	ng	98
33) 4-Chloroaniline	8.239	127	86903	7.407	ng	98
34) Hexachlorobutadiene	8.298	225	267537	38.826	ng	99
35) Caprolactam	8.604	113	107922	36.920	ng	96
36) 4-Chloro-3-methylphenol	8.716	107	362918	33.932	ng	97
37) 2-Methylnaphthalene	8.875	142	730534	32.883	ng	100
38) 1-Methylnaphthalene	8.975	142	696612	32.494	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	426867	47.395	ng	99
41) Hexachlorocyclopentadiene	9.028	237	140504	39.862	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	230450	39.151	ng	100

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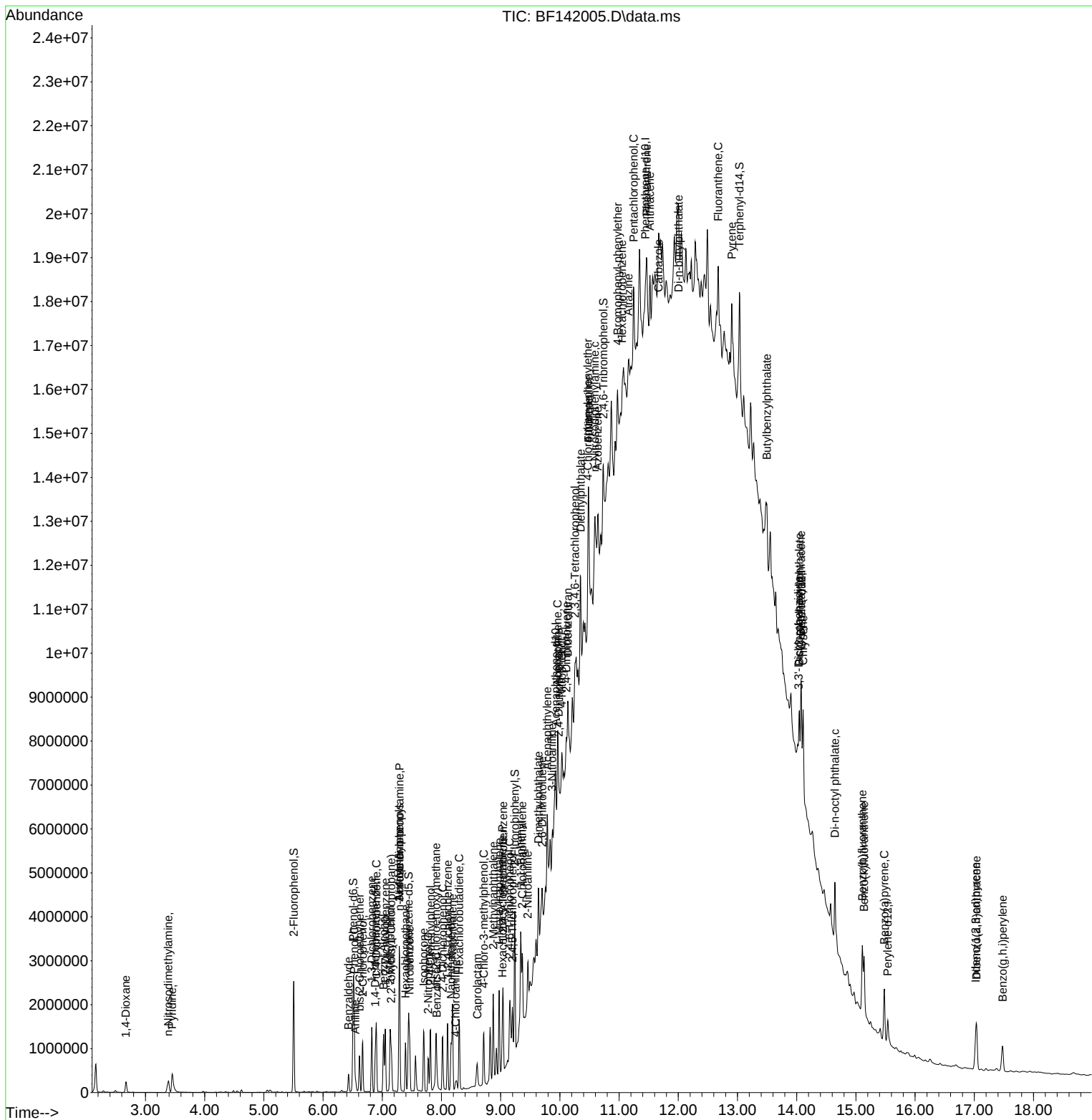
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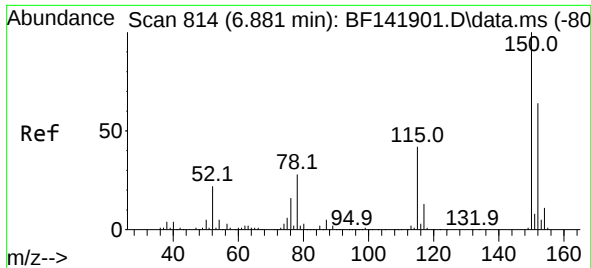
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	233740	39.208	ng	# 95
46) 1,1'-Biphenyl	9.339	154	1001971	44.578	ng	99
47) 2-Chloronaphthalene	9.363	162	673099	40.178	ng	99
48) 2-Nitroaniline	9.457	65	214397	44.199	ng	98
49) Acenaphthylene	9.786	152	955599	38.438	ng	# 93
50) Dimethylphthalate	9.639	163	858259	41.431	ng	# 96
51) 2,6-Dinitrotoluene	9.704	165	187664	43.510	ng	# 75
52) Acenaphthene	9.963	154	575498	32.940	ng	98
53) 3-Nitroaniline	9.869	138	105774	24.176	ng	# 78
54) 2,4-Dinitrophenol	9.980	184	5732	8.720	ng	# 1
55) Dibenzofuran	10.133	168	819154	32.813	ng	98
56) 4-Nitrophenol	10.033	139	214628	65.050	ng	# 28
57) 2,4-Dinitrotoluene	10.110	165	184864	32.815	ng	# 77
58) Fluorene	10.486	166	640143	33.251	ng	# 92
59) 2,3,4,6-Tetrachlorophenol	10.257	232	176542	32.544	ng	# 89
60) Diethylphthalate	10.351	149	692641	33.532	ng	# 79
61) 4-Chlorophenyl-phenyle...	10.475	204	376335	37.495	ng	# 94
62) 4-Nitroaniline	10.486	138	83512	19.606	ng	# 84
63) Azobenzene	10.639	77	537760	28.002	ng	# 78
66) n-Nitrosodiphenylamine	10.592	169	541267	40.722	ng	98
67) 4-Bromophenyl-phenylether	10.975	248	231773	44.931	ng	98
68) Hexachlorobenzene	11.051	284	273240	48.296	ng	# 91
69) Atrazine	11.157	200	216277	53.078	ng	# 42
70) Pentachlorophenol	11.245	266	326550	93.679	ng	99
71) Phenanthrene	11.469	178	908573	40.954	ng	# 79
72) Anthracene	11.522	178	864156	38.825	ng	# 83
73) Carbazole	11.669	167	729345	37.996	ng	# 79
74) Di-n-butylphthalate	12.004	149	926673	36.383	ng	# 84
75) Fluoranthene	12.674	202	1278336	54.320	ng	90
78) Pyrene	12.904	202	1299501	37.348	ng	# 94
80) Butylbenzylphthalate	13.498	149	411834	30.240	ng	94
81) Benzo(a)anthracene	14.074	228	1188900	45.042	ng	98
82) 3,3'-Dichlorobenzidine	14.033	252	15542	2.038	ng	# 46
83) Chrysene	14.110	228	1030409	43.065	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	669854	35.674	ng	# 94
85) Di-n-octyl phthalate	14.645	149	1032746	39.528	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	709178	37.391	ng	97
88) Benzo(b)fluoranthene	15.110	252	1027680	51.142	ng	97
89) Benzo(k)fluoranthene	15.139	252	685816	39.881	ng	97
90) Benzo(a)pyrene	15.480	252	754780	48.004	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	525827	33.601	ng	99
92) Benzo(g,h,i)perylene	17.480	276	553232	35.774	ng	97

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

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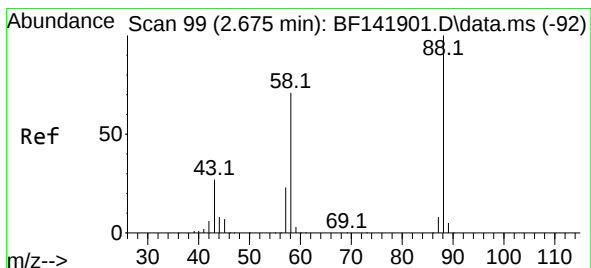
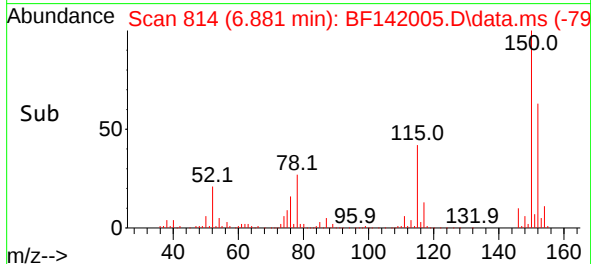
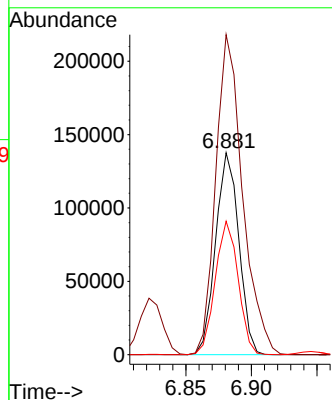
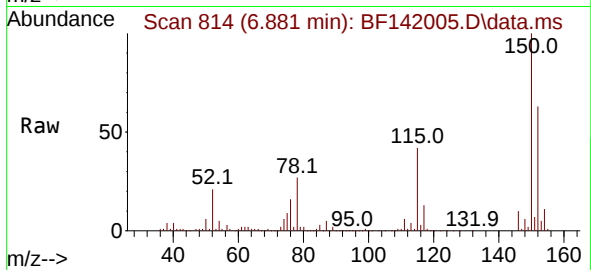




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: BF142005.D
 Acq: 19 Mar 2025 14:45

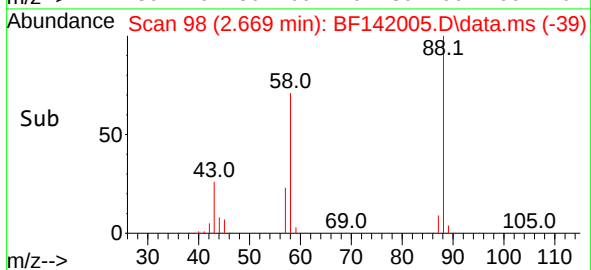
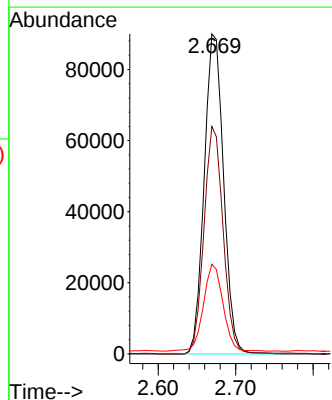
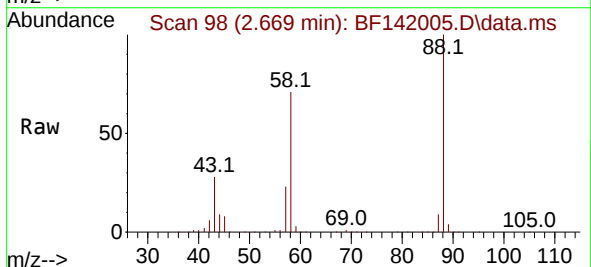
Instrument :
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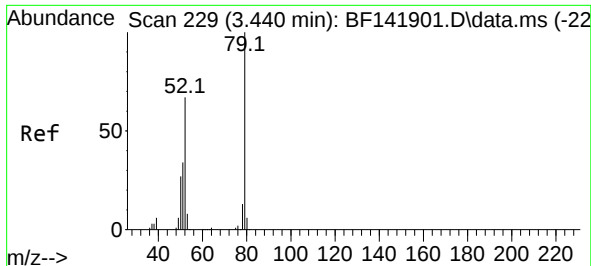
Tgt Ion:152 Resp: 169354
 Ion Ratio Lower Upper
 152 100
 150 158.5 127.4 191.2
 115 66.1 51.9 77.9



#2
 1,4-Dioxane
 Concen: 36.734 ng
 RT: 2.669 min Scan# 98
 Delta R.T. -0.006 min
 Lab File: BF142005.D
 Acq: 19 Mar 2025 14:45

Tgt Ion: 88 Resp: 156182
 Ion Ratio Lower Upper
 88 100
 58 70.5 57.4 86.2
 43 27.5 21.5 32.3





#3

Pyridine

Concen: 36.478 ng

RT: 3.452 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

Instrument :

BNA_F

ClientSampleId :

72-11944MSD

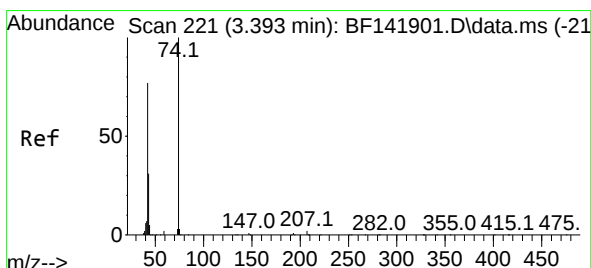
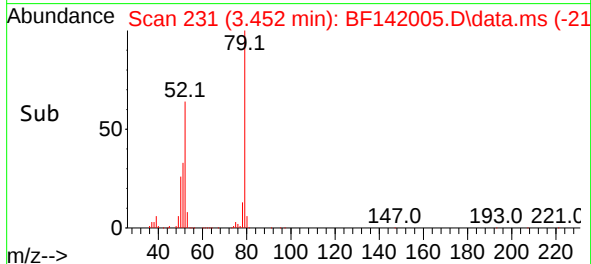
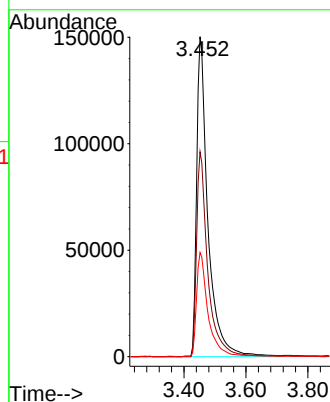
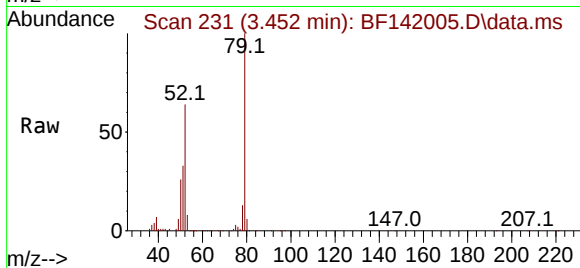
Tgt Ion: 79 Resp: 380438

Ion Ratio Lower Upper

79 100

52 64.0 53.3 79.9

51 32.6 27.6 41.4



#4

n-Nitrosodimethylamine

Concen: 35.318 ng

RT: 3.387 min Scan# 220

Delta R.T. -0.006 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

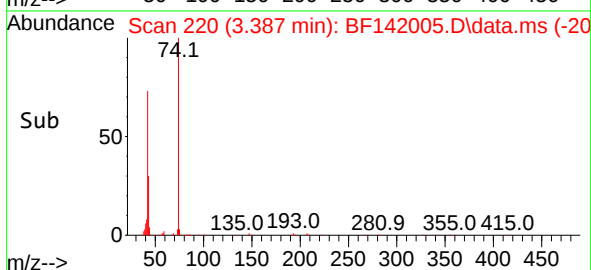
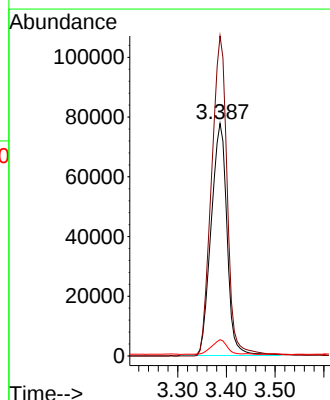
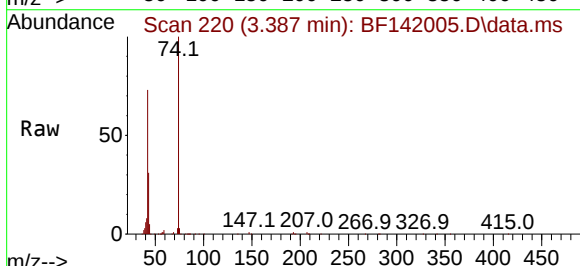
Tgt Ion: 42 Resp: 175581

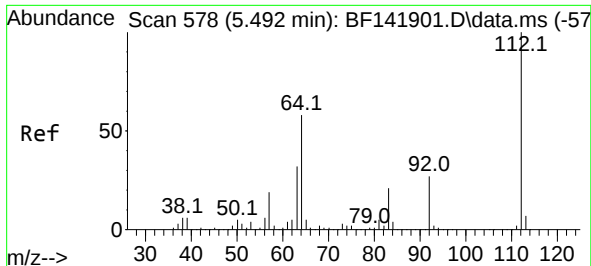
Ion Ratio Lower Upper

42 100

74 137.7 103.4 155.0

44 7.0 5.0 7.4

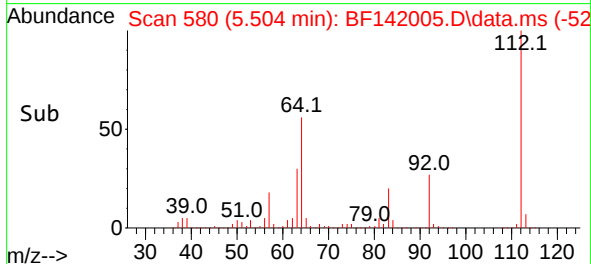
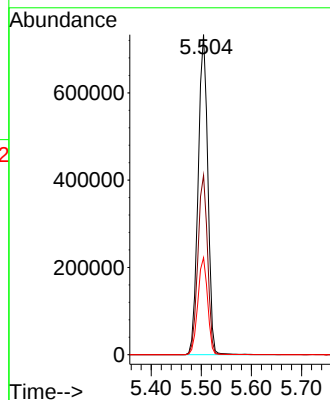
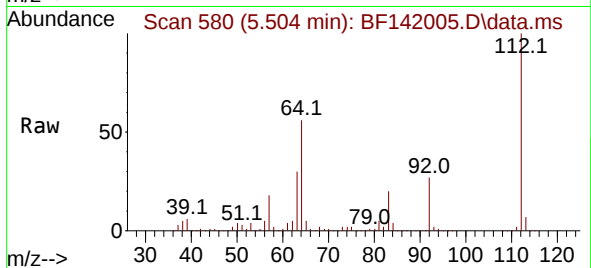




#5
2-Fluorophenol
Concen: 96.851 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

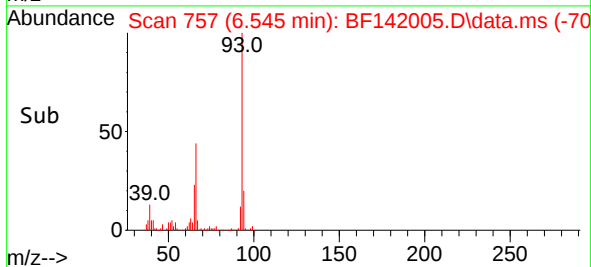
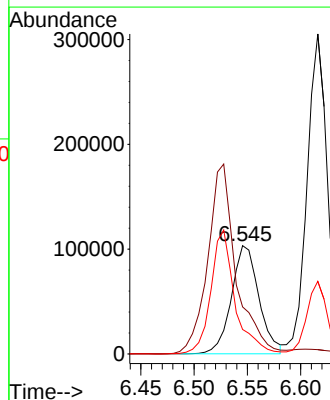
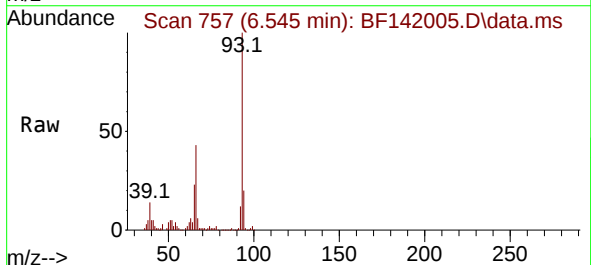
Instrument :
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72-11944MSD

Tgt Ion:112 Resp: 982774
Ion Ratio Lower Upper
112 100
64 56.0 46.5 69.7
63 30.3 25.4 38.2



#6
Aniline
Concen: 14.541 ng
RT: 6.545 min Scan# 757
Delta R.T. 0.000 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion: 93 Resp: 185326
Ion Ratio Lower Upper
93 100
66 43.5 31.9 47.9
65 22.6 15.8 23.6





#7

Phenol-d6

Concen: 93.915 ng

RT: 6.510 min Scan# 751

Delta R.T. 0.006 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

Instrument :

BNA_F

ClientSampleId :

72-11944MSD

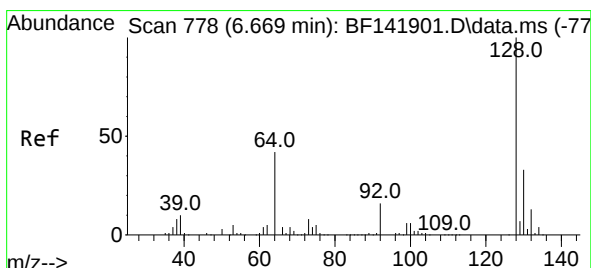
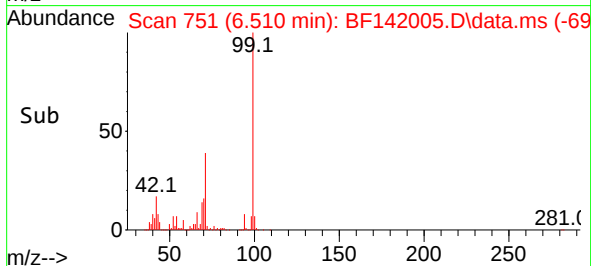
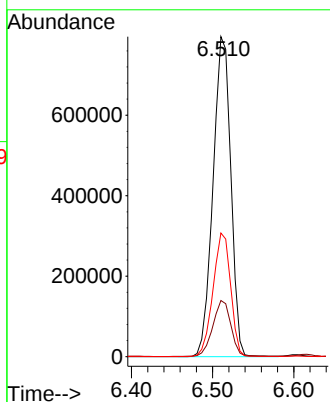
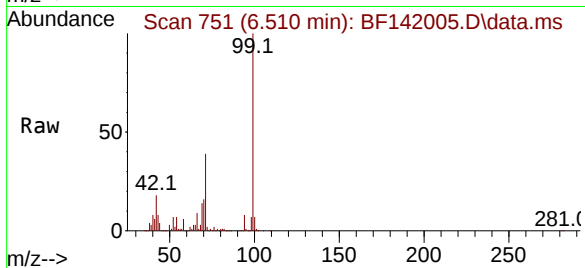
Tgt Ion: 99 Resp: 1213356

Ion Ratio Lower Upper

99 100

42 17.5 14.6 21.8

71 38.7 30.8 46.2



#8

2-Chlorophenol

Concen: 38.184 ng

RT: 6.669 min Scan# 778

Delta R.T. 0.000 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

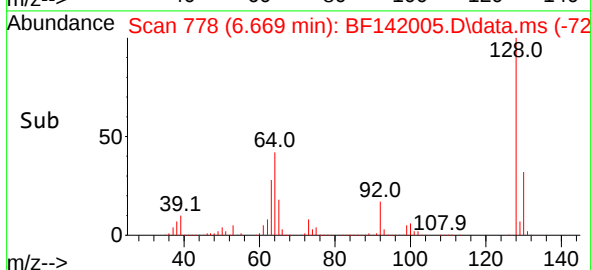
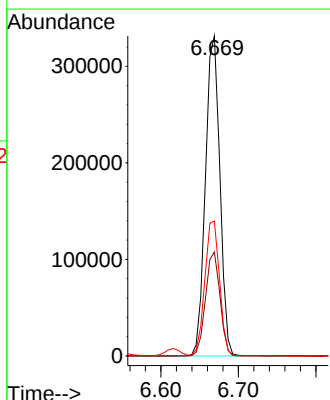
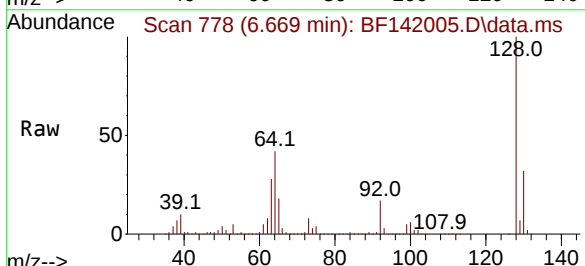
Tgt Ion:128 Resp: 429723

Ion Ratio Lower Upper

128 100

130 32.5 12.8 52.8

64 42.1 24.4 64.4

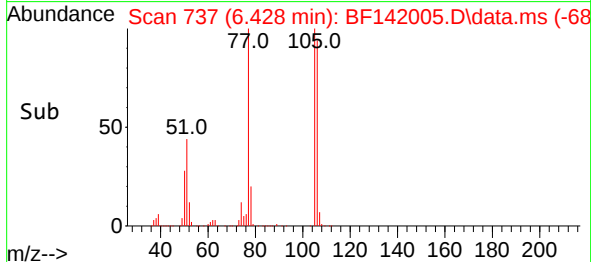
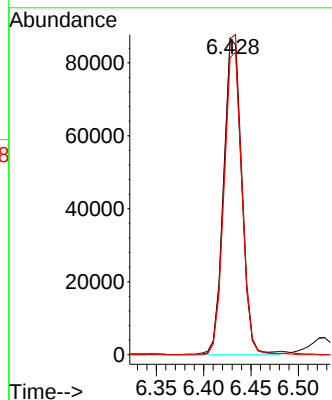
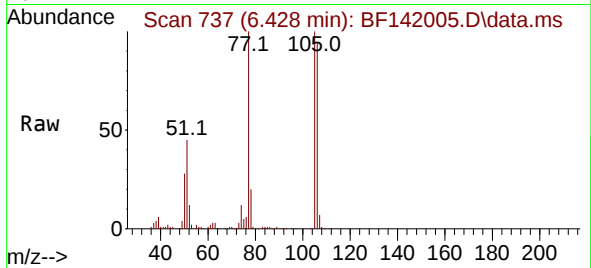




#9
Benzaldehyde
Concen: 15.861 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

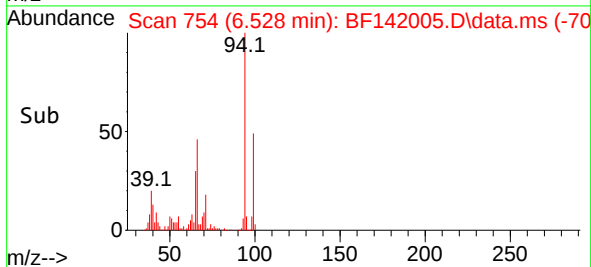
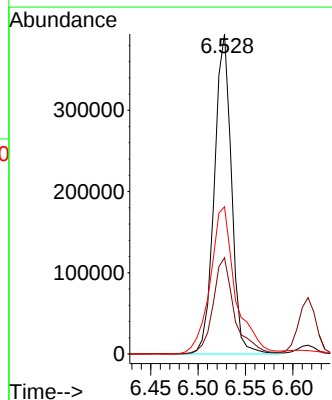
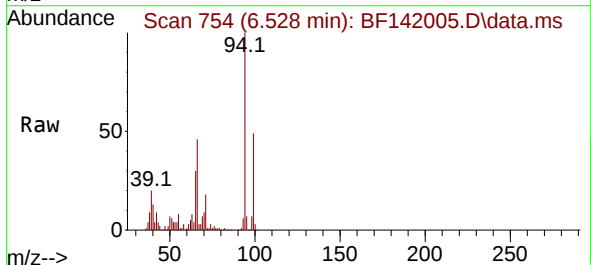
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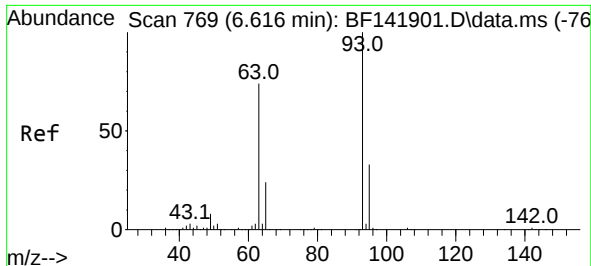
Tgt Ion: 77 Resp: 114609
Ion Ratio Lower Upper
77 100
105 100.0 80.0 120.0
106 94.0 74.5 114.5



#10
Phenol
Concen: 36.439 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion: 94 Resp: 495274
Ion Ratio Lower Upper
94 100
65 30.0 10.5 50.5
66 46.0 25.8 65.8





#11

bis(2-Chloroethyl)ether

Concen: 39.227 ng

RT: 6.616 min Scan# 769

Delta R.T. 0.000 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

Instrument :

BNA_F

ClientSampleId :

72-11944MSD

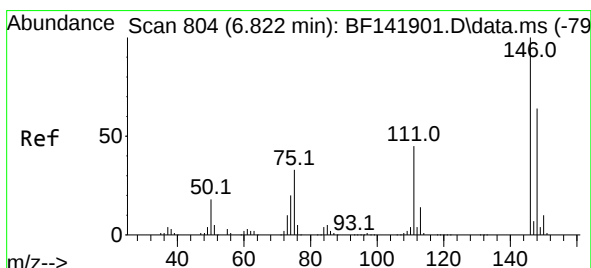
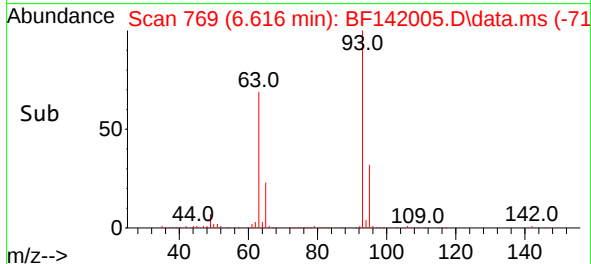
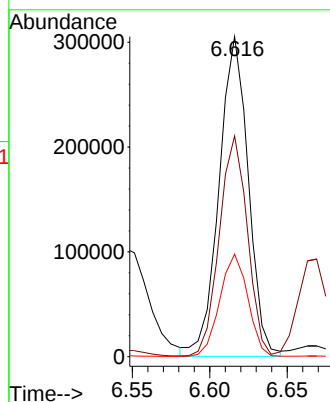
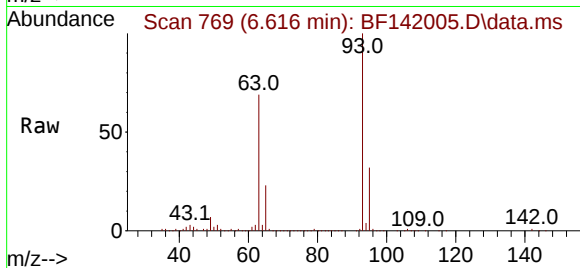
Tgt Ion: 93 Resp: 400352

Ion Ratio Lower Upper

93 100

63 69.0 53.0 93.0

95 32.1 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 38.163 ng

RT: 6.822 min Scan# 804

Delta R.T. 0.000 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

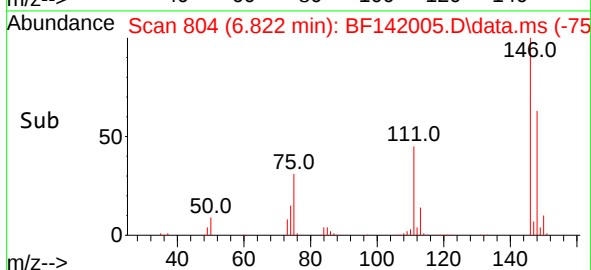
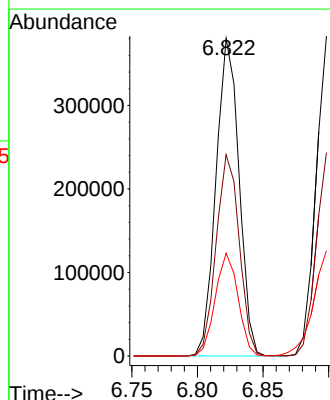
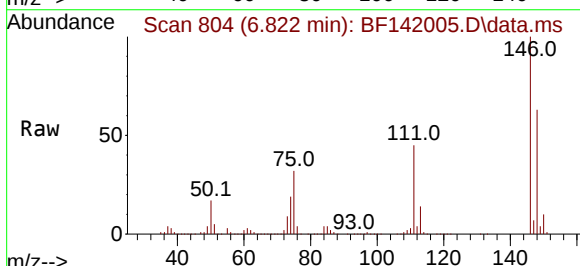
Tgt Ion: 146 Resp: 463678

Ion Ratio Lower Upper

146 100

148 63.4 51.3 76.9

75 32.3 26.6 40.0

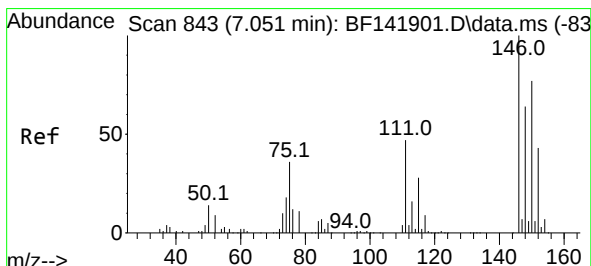
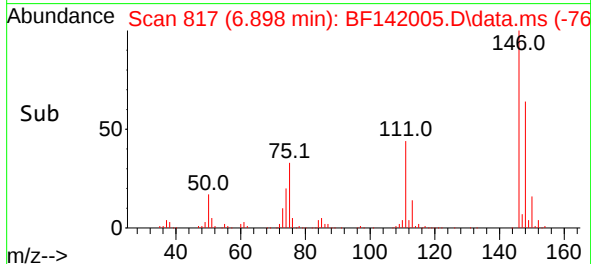
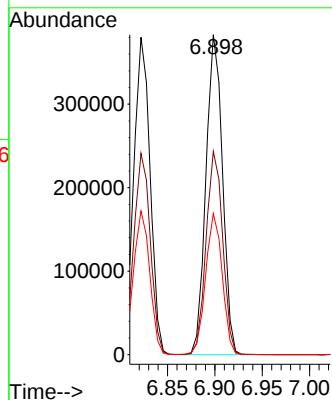
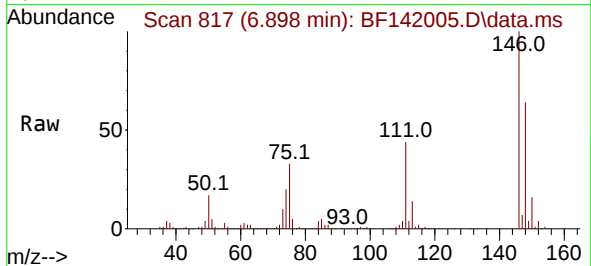




#13
1,4-Dichlorobenzene
Concen: 37.889 ng
RT: 6.898 min Scan# 817
Delta R.T. 0.000 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

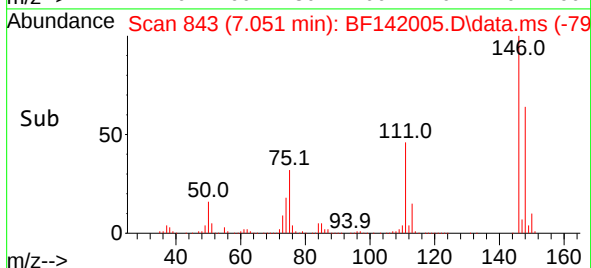
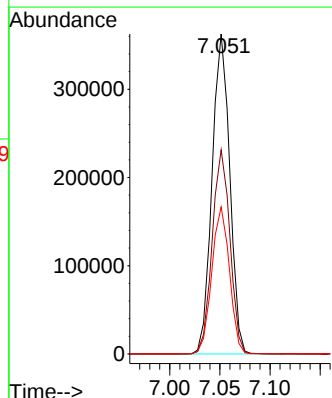
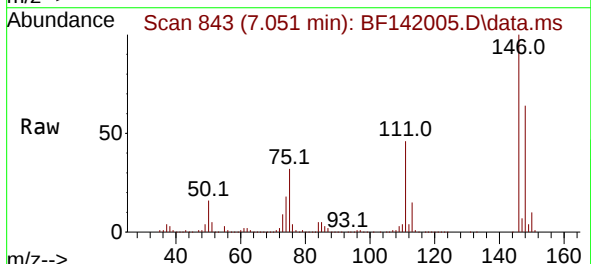
Instrument :
BNA_F
ClientSampleId :
72-11944MSD

Tgt Ion:146 Resp: 465780
Ion Ratio Lower Upper
146 100
148 63.6 51.0 76.6
111 44.1 35.7 53.5



#14
1,2-Dichlorobenzene
Concen: 38.414 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion:146 Resp: 444793
Ion Ratio Lower Upper
146 100
148 63.8 50.8 76.2
111 46.0 38.0 57.0

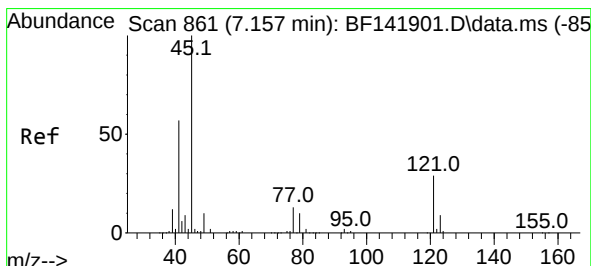
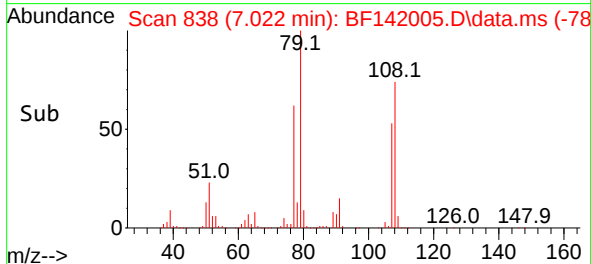
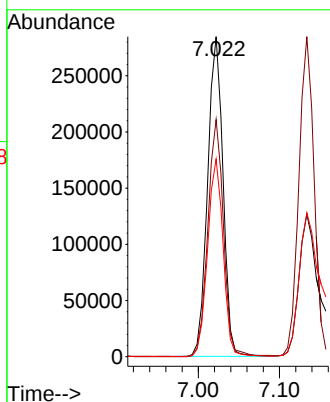
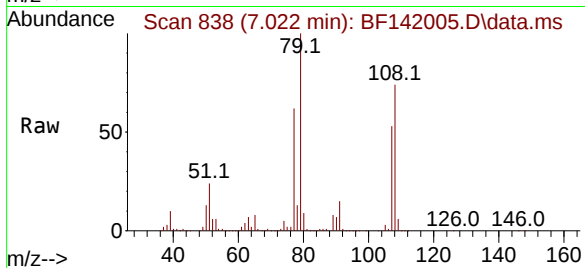




#15
Benzyl Alcohol
Concen: 35.876 ng
RT: 7.022 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

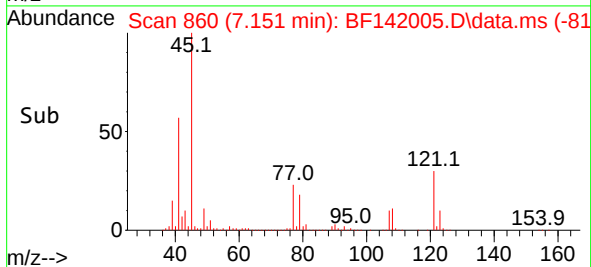
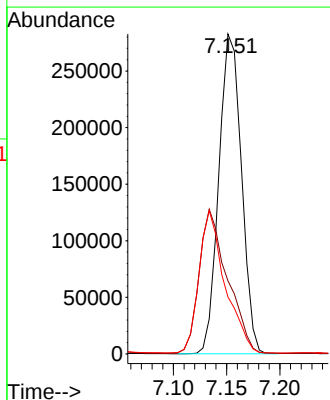
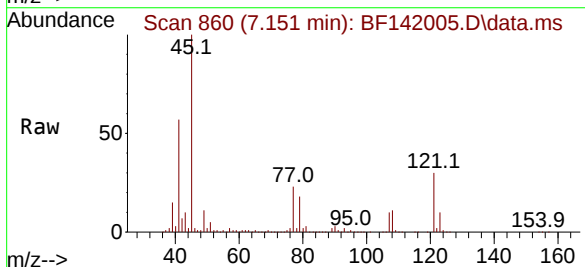
Instrument :
BNA_F
ClientSampleId :
72-11944MSD

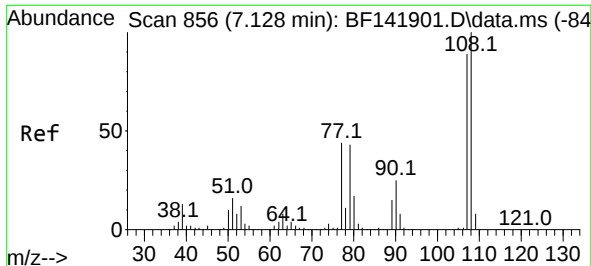
Tgt Ion: 79 Resp: 374716
Ion Ratio Lower Upper
79 100
108 74.1 59.7 89.5
77 61.7 51.0 76.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.838 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion: 45 Resp: 416928
Ion Ratio Lower Upper
45 100
77 22.9 0.0 37.8
79 17.8 0.0 34.2

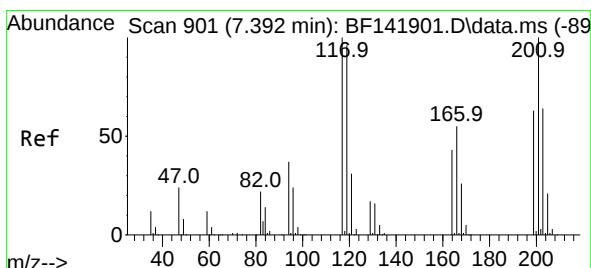
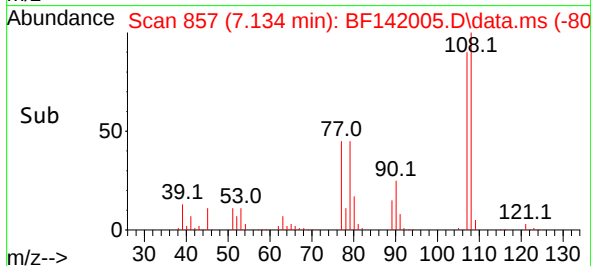
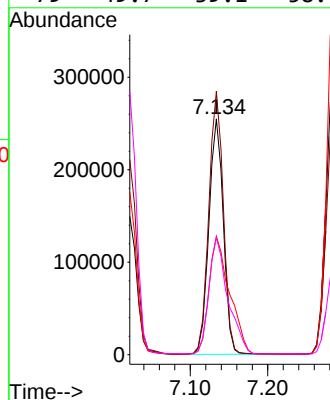
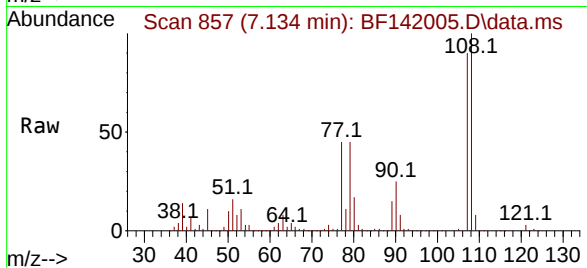




#17
2-Methylphenol
Concen: 37.028 ng
RT: 7.134 min Scan# 856
Delta R.T. 0.006 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

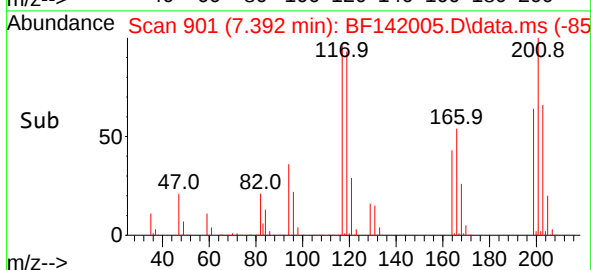
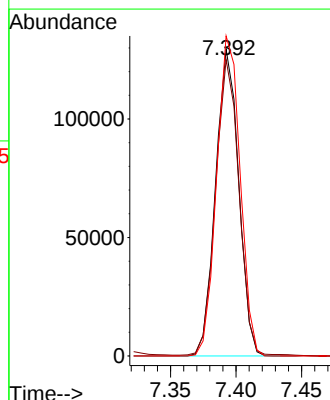
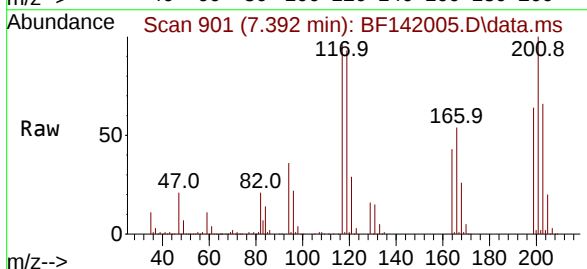
Instrument :
BNA_F
ClientSampleId :
72-11944MSD

Tgt Ion:	107	Resp:	331331
Ion	Ratio	Lower	Upper
107	100		
108	111.6	90.2	135.2
77	50.2	39.6	59.4
79	49.7	39.1	58.7



#18
Hexachloroethane
Concen: 34.390 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion:	117	Resp:	158531
Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.9	115.3
201	104.3	79.9	119.9

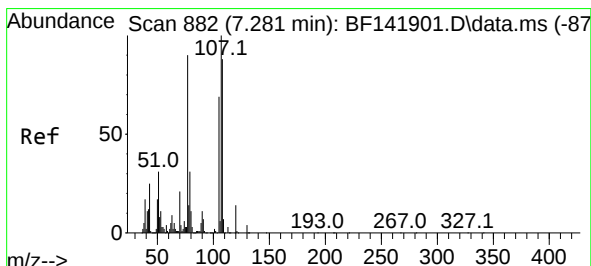
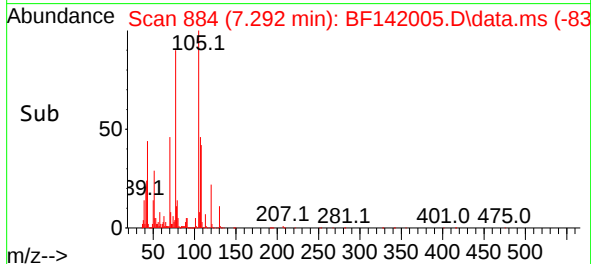
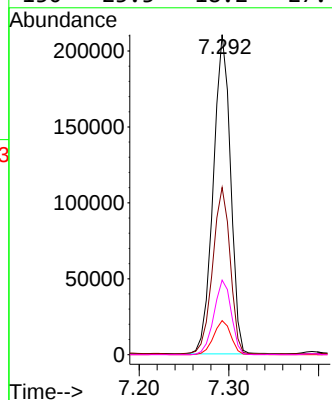
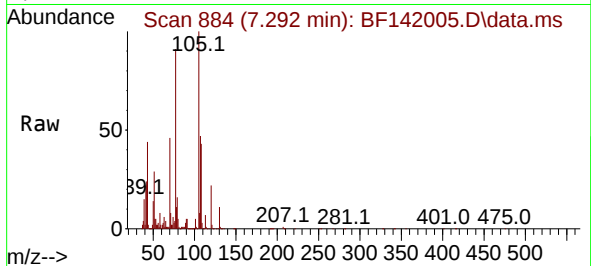




#19
n-Nitroso-di-n-propylamine
Concen: 33.920 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

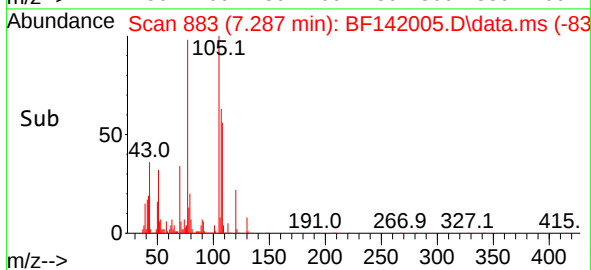
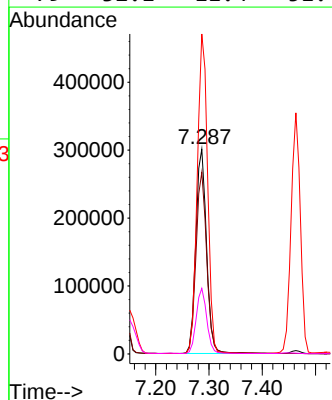
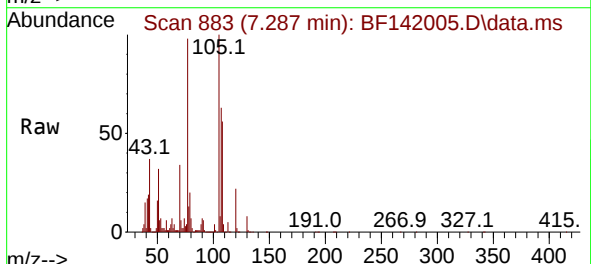
Instrument :
BNA_F
ClientSampleId :
72-11944MSD

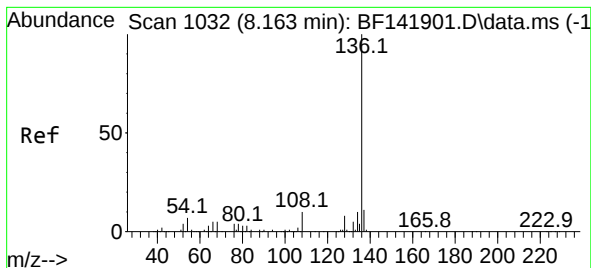
Tgt Ion: 70 Resp: 281589
Ion Ratio Lower Upper
70 100
42 52.3 41.4 62.0
101 10.7 8.2 12.2
130 23.3 18.2 27.4



#20
3+4-Methylphenols
Concen: 36.870 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.006 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion:107 Resp: 422579
Ion Ratio Lower Upper
107 100
108 88.6 68.4 108.4
77 156.2 69.7 109.7#
79 32.1 11.4 51.4



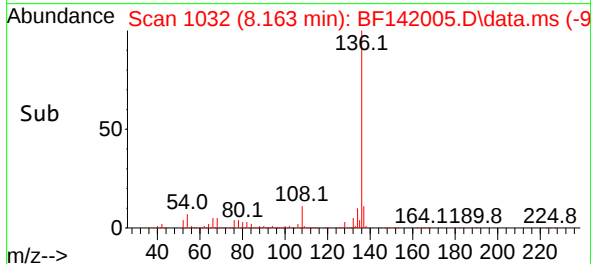
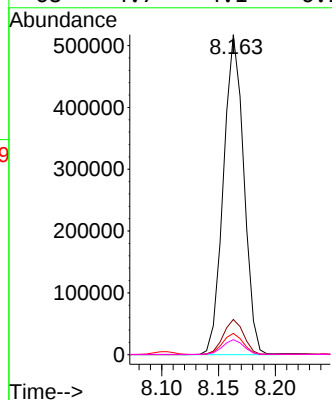
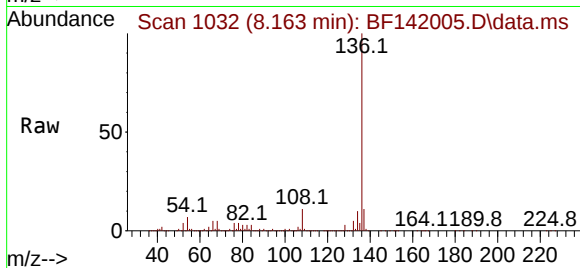


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Instrument :
BNA_F
ClientSampleId :
72-11944MSD

Tgt Ion:136 Resp: 647038

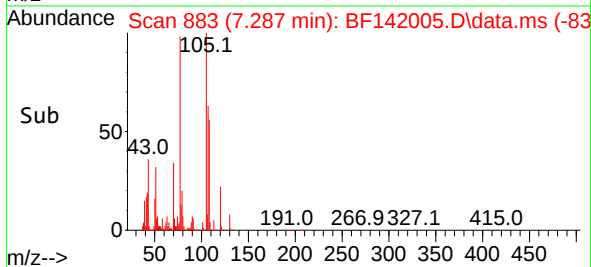
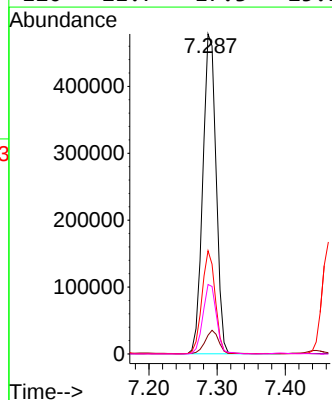
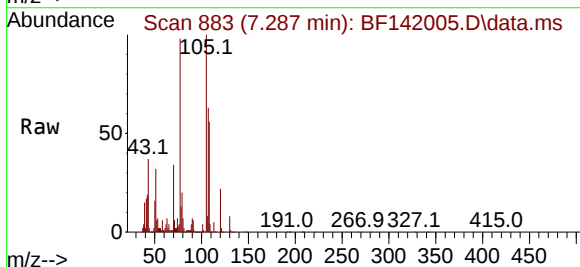
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.7	5.8	8.8
68	4.7	4.1	6.1

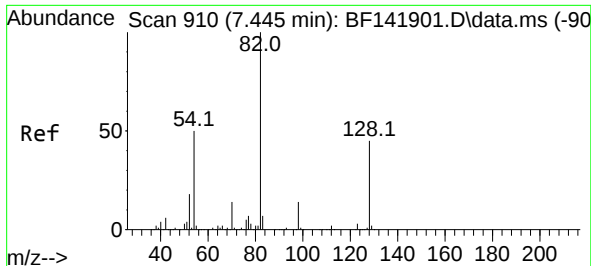


#22
Acetophenone
Concen: 41.949 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion:105 Resp: 649996

Ion	Ratio	Lower	Upper
105	100		
71	5.9	5.8	8.8
51	32.3	23.4	35.0
120	21.7	17.3	25.9





#23

Nitrobenzene-d5

Concen: 68.532 ng

RT: 7.445 min Scan# 910

Delta R.T. 0.000 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

Instrument :

BNA_F

ClientSampleId :

72-11944MSD

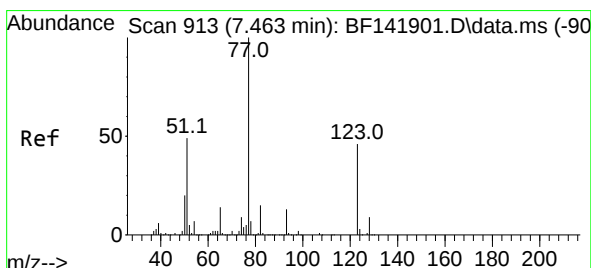
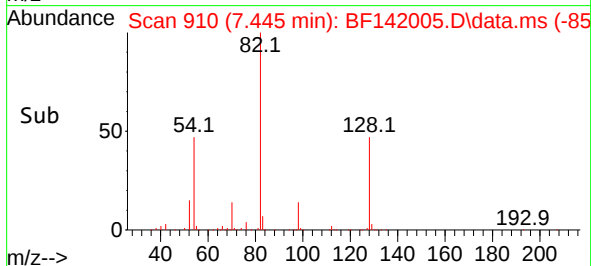
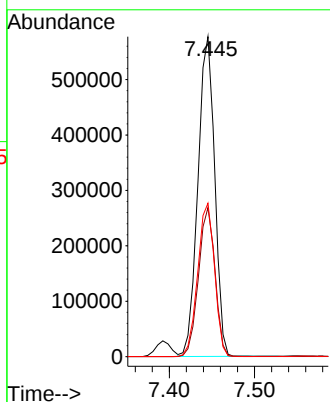
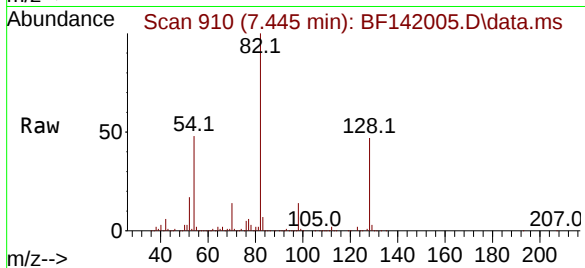
Tgt Ion: 82 Resp: 787954

Ion Ratio Lower Upper

82 100

128 46.6 36.0 54.0

54 48.0 39.6 59.4



#24

Nitrobenzene

Concen: 37.584 ng

RT: 7.463 min Scan# 913

Delta R.T. 0.000 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

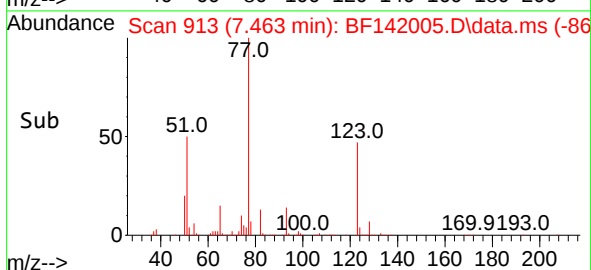
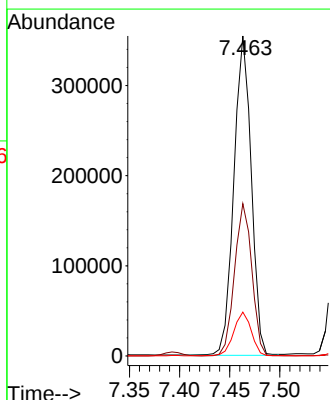
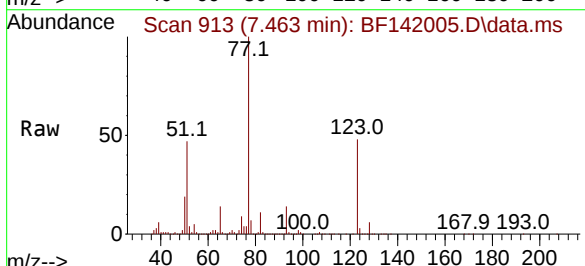
Tgt Ion: 77 Resp: 429588

Ion Ratio Lower Upper

77 100

123 47.6 37.0 55.4

65 13.7 11.3 16.9

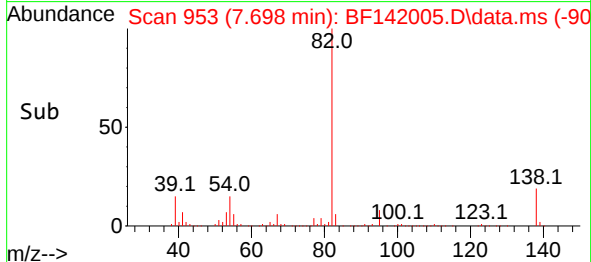
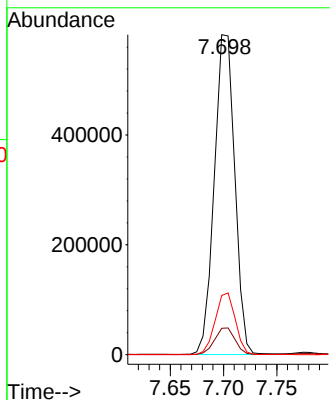
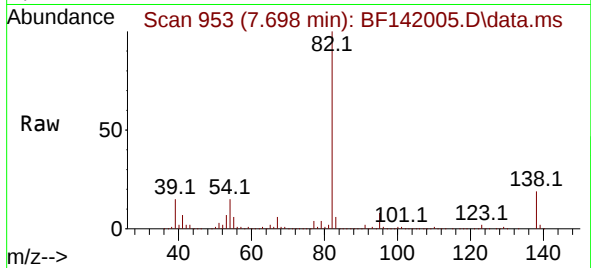




#25
Isophorone
Concen: 38.261 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

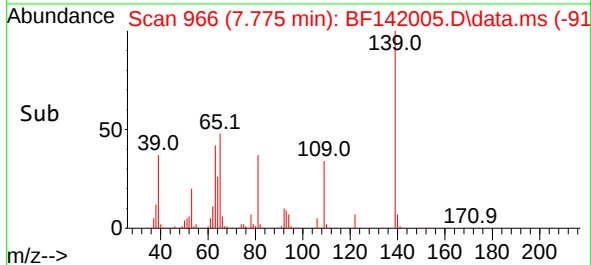
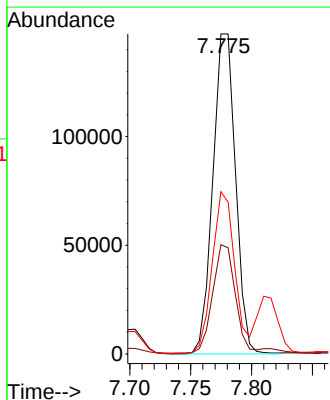
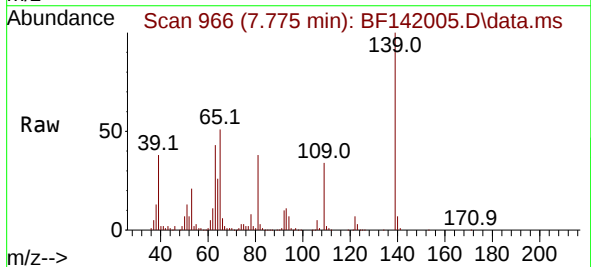
Instrument :
BNA_F
ClientSampleId :
72-11944MSD

Tgt Ion: 82 Resp: 777615
Ion Ratio Lower Upper
82 100
95 8.2 6.4 9.6
138 18.5 14.9 22.3



#26
2-Nitrophenol
Concen: 34.076 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion: 139 Resp: 191161
Ion Ratio Lower Upper
139 100
109 34.2 26.5 39.7
65 50.7 40.3 60.5

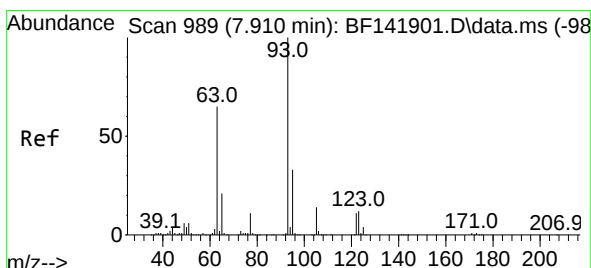
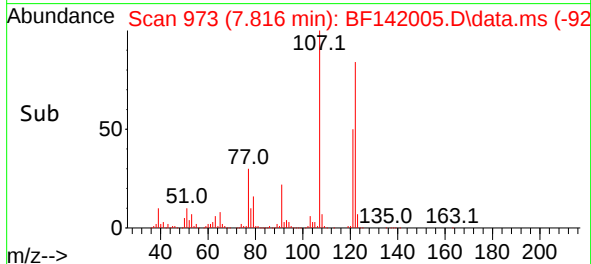
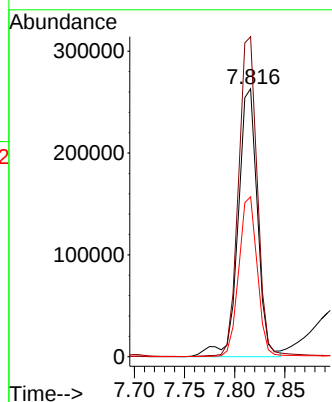
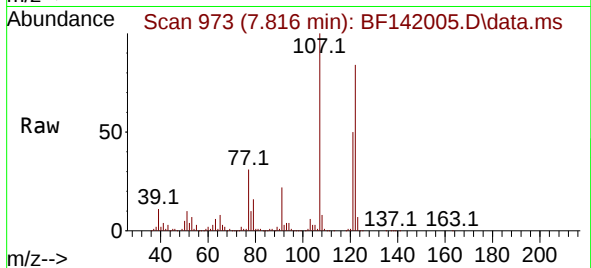




#27
2,4-Dimethylphenol
Concen: 45.788 ng
RT: 7.816 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

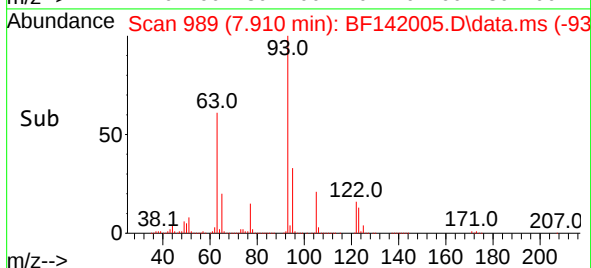
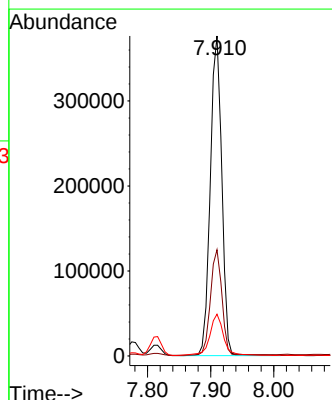
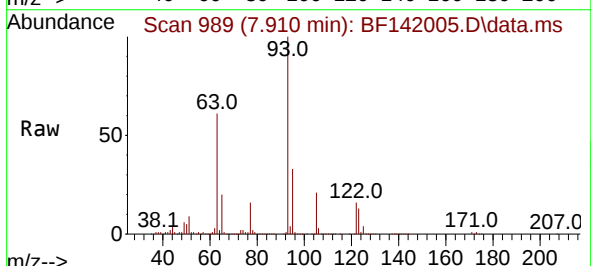
Instrument :
BNA_F
ClientSampleId :
72-11944MSD

Tgt Ion:122 Resp: 353694
Ion Ratio Lower Upper
122 100
107 119.5 94.8 142.2
121 59.7 47.8 71.6



#28
bis(2-Chloroethoxy)methane
Concen: 37.238 ng
RT: 7.910 min Scan# 989
Delta R.T. 0.000 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion: 93 Resp: 474679
Ion Ratio Lower Upper
93 100
95 33.2 26.6 40.0
123 13.1 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 37.101 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

Instrument :

BNA_F

ClientSampleId :

72-11944MSD

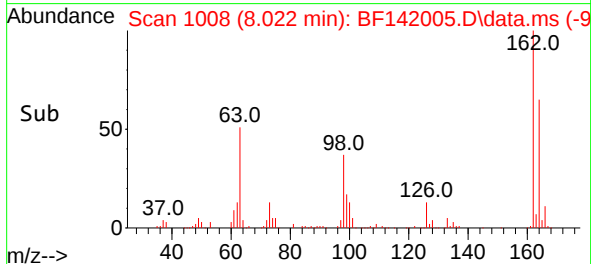
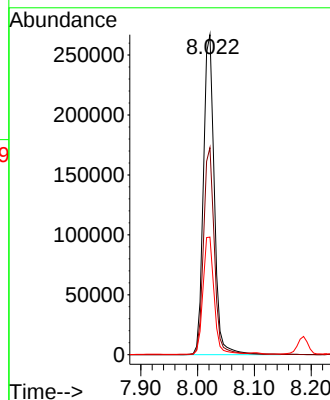
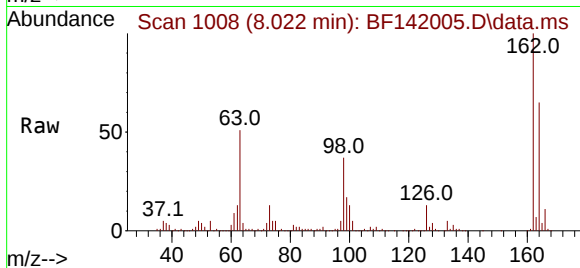
Tgt Ion:162 Resp: 355720

Ion Ratio Lower Upper

162 100

164 64.7 43.8 83.8

98 36.7 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 37.015 ng

RT: 8.104 min Scan# 1022

Delta R.T. 0.000 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

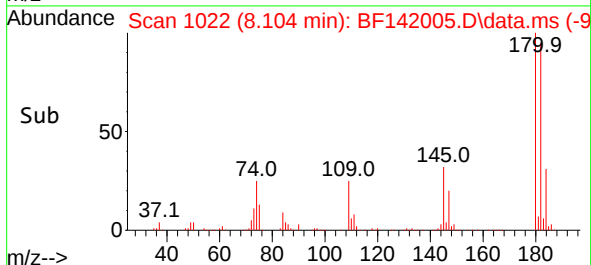
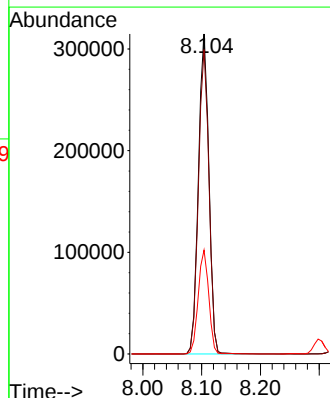
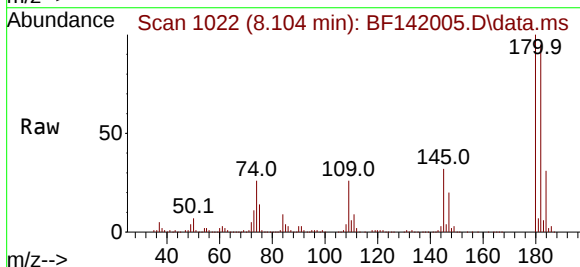
Tgt Ion:180 Resp: 391113

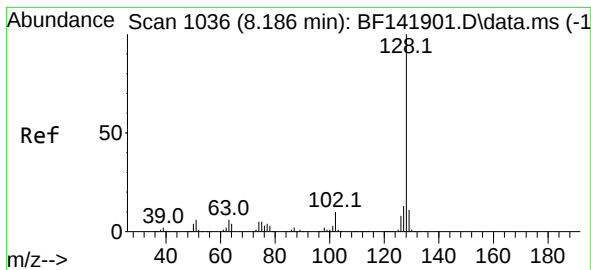
Ion Ratio Lower Upper

180 100

182 95.1 77.5 116.3

145 32.4 25.8 38.6





#31

Naphthalene

Concen: 35.557 ng

RT: 8.187 min Scan# 1036

Delta R.T. 0.000 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

Instrument :

BNA_F

ClientSampleId :

72-11944MSD

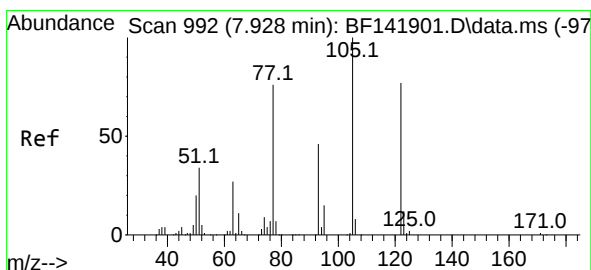
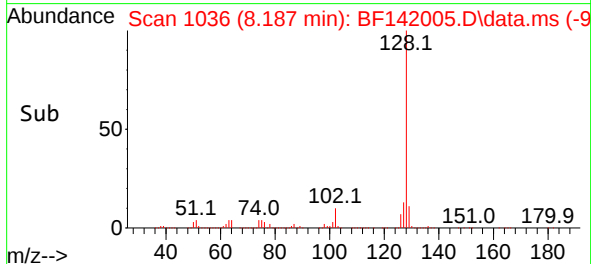
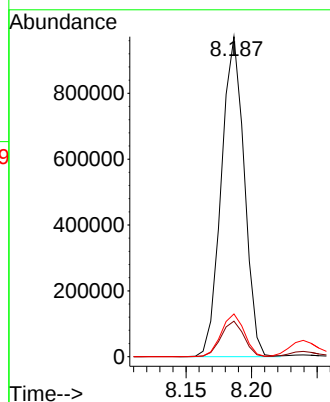
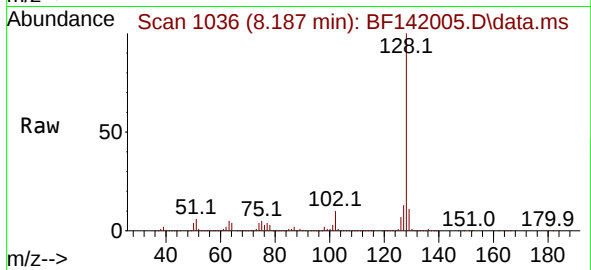
Tgt Ion:128 Resp: 1181835

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

127 13.3 10.8 16.2



#32

Benzoic acid

Concen: 36.754 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

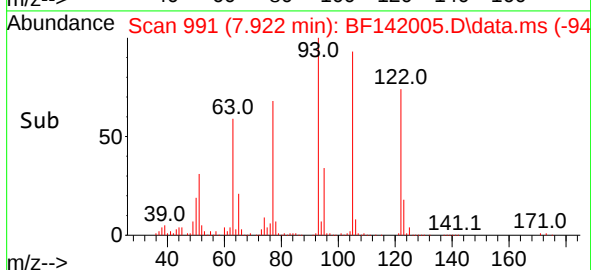
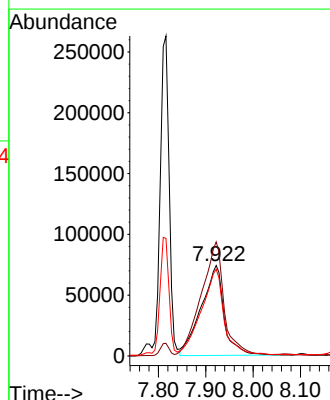
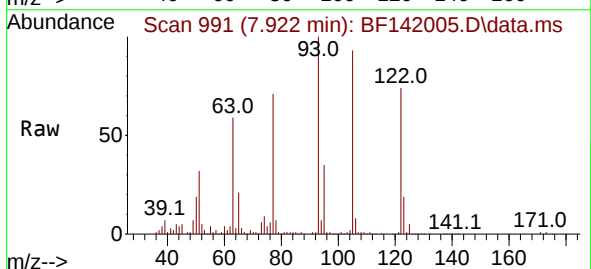
Tgt Ion:122 Resp: 249564

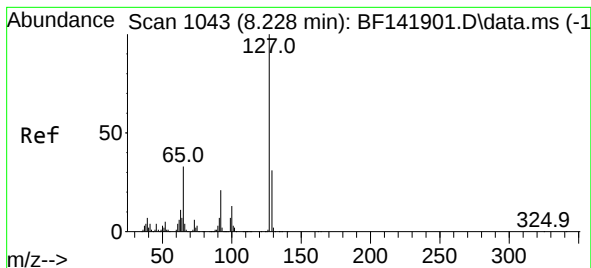
Ion Ratio Lower Upper

122 100

105 126.2 107.9 147.9

77 95.9 79.0 119.0





#33

4-Chloroaniline

Concen: 7.407 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.012 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

Instrument :

BNA_F

ClientSampleId :

72-11944MSD

Tgt Ion:127 Resp: 86903

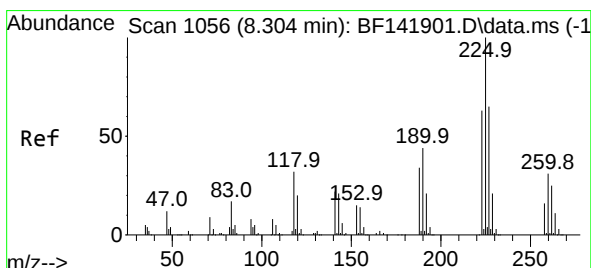
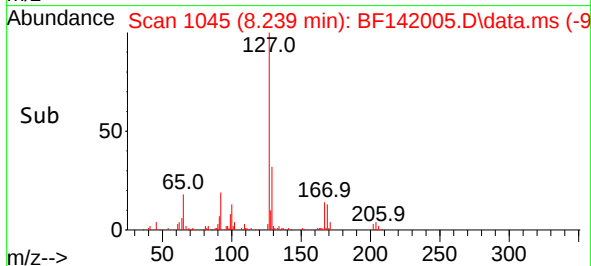
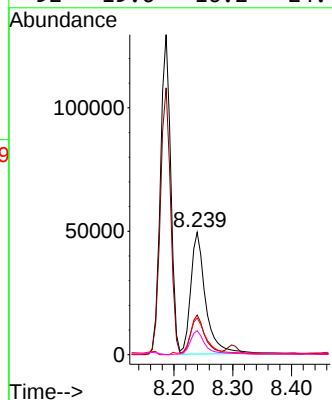
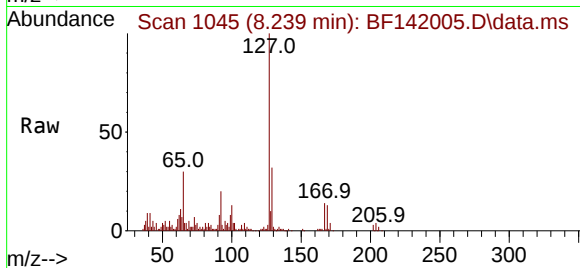
Ion Ratio Lower Upper

127 100

129 32.4 26.2 39.4

65 29.9 25.4 38.2

92 19.6 16.2 24.4



#34

Hexachlorobutadiene

Concen: 38.826 ng

RT: 8.298 min Scan# 1055

Delta R.T. -0.006 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

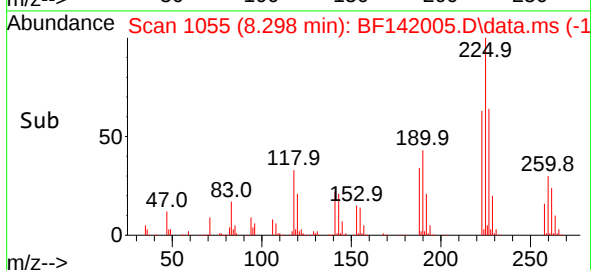
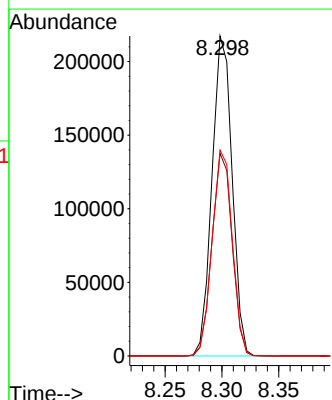
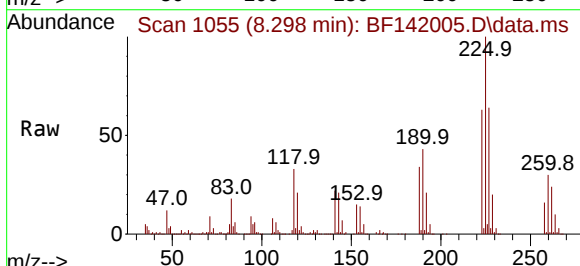
Tgt Ion:225 Resp: 267537

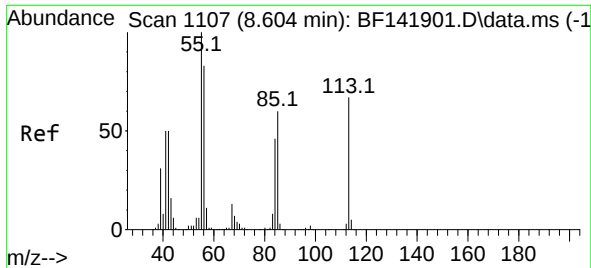
Ion Ratio Lower Upper

225 100

223 63.3 50.6 75.8

227 64.4 52.2 78.2

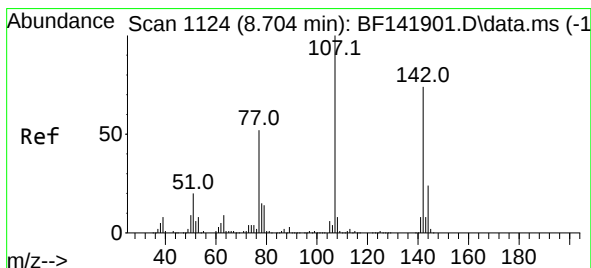
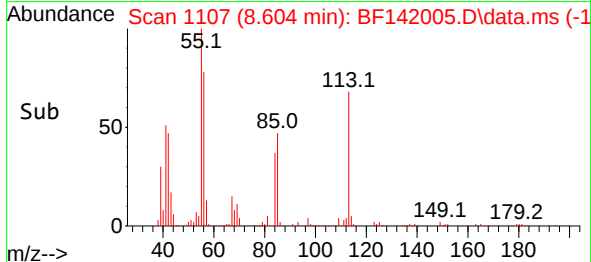
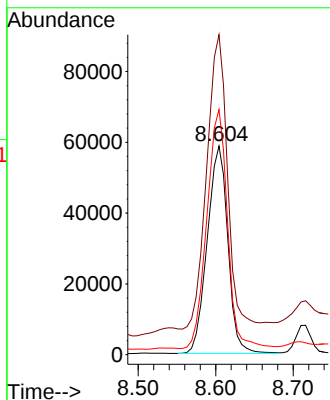
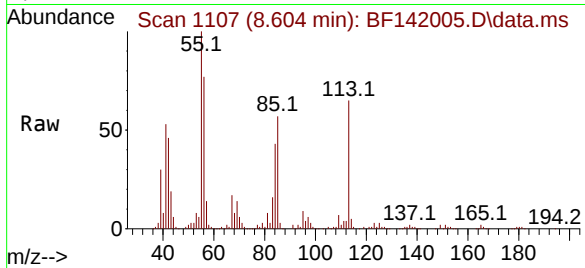




#35
 Caprolactam
 Concen: 36.920 ng
 RT: 8.604 min Scan# 1107
 Delta R.T. 0.000 min
 Lab File: BF142005.D
 Acq: 19 Mar 2025 14:45

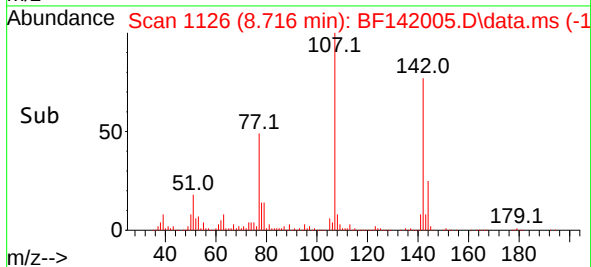
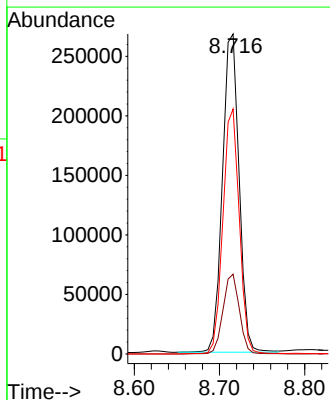
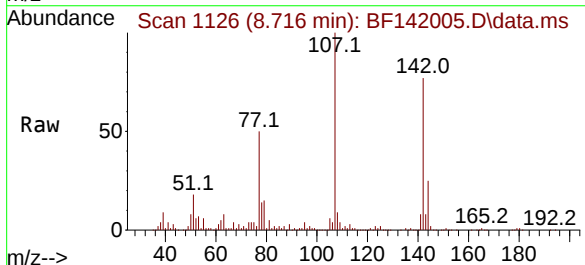
Instrument :
 BNA_F
 ClientSampleId :
 72-11944MSD

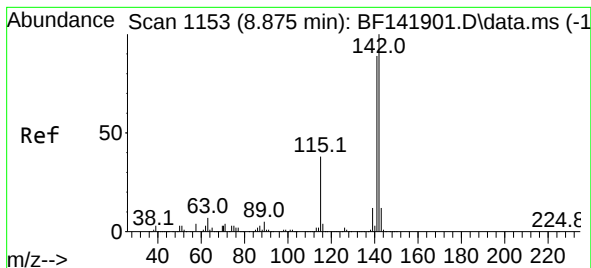
Tgt Ion:113 Resp: 107922
 Ion Ratio Lower Upper
 113 100
 55 153.4 129.6 169.6
 56 117.5 104.0 144.0



#36
 4-Chloro-3-methylphenol
 Concen: 33.932 ng
 RT: 8.716 min Scan# 1126
 Delta R.T. 0.012 min
 Lab File: BF142005.D
 Acq: 19 Mar 2025 14:45

Tgt Ion:107 Resp: 362918
 Ion Ratio Lower Upper
 107 100
 144 24.9 19.0 28.6
 142 76.6 59.2 88.8





#37

2-Methylnaphthalene

Concen: 32.883 ng

RT: 8.875 min Scan# 1153

Delta R.T. 0.000 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

Instrument :

BNA_F

ClientSampleId :

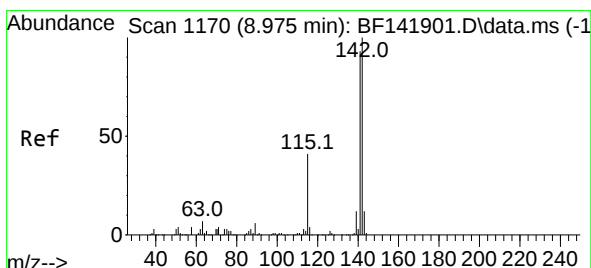
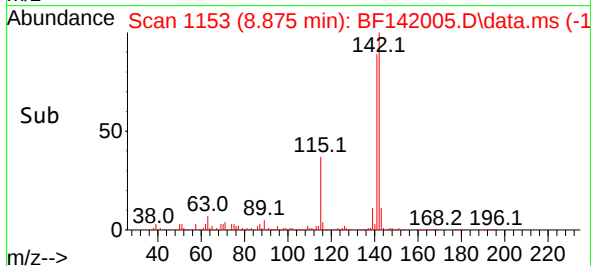
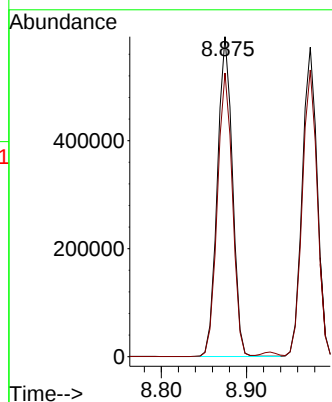
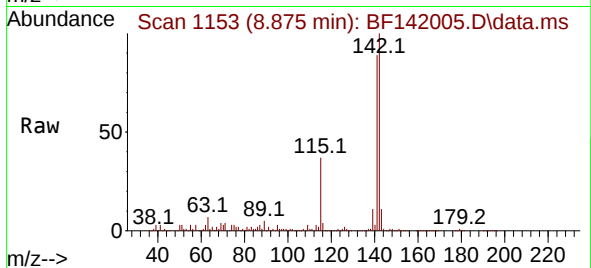
72-11944MSD

Tgt Ion:142 Resp: 730534

Ion Ratio Lower Upper

142 100

141 88.6 71.2 106.8



#38

1-Methylnaphthalene

Concen: 32.494 ng

RT: 8.975 min Scan# 1170

Delta R.T. 0.000 min

Lab File: BF142005.D

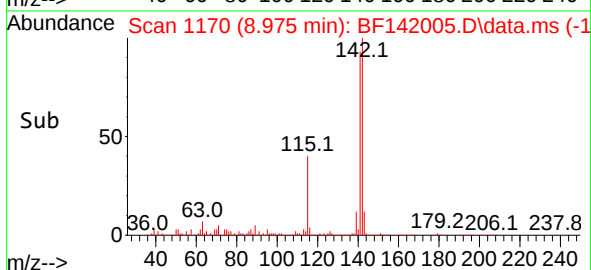
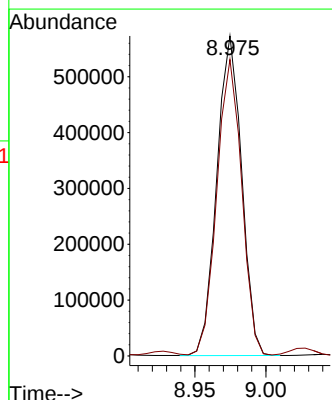
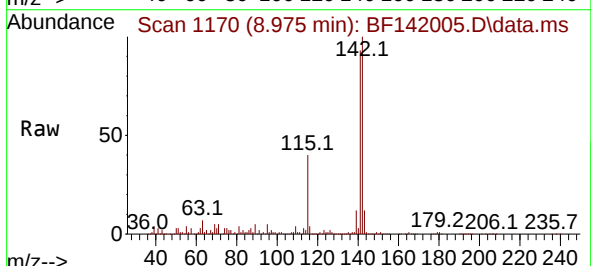
Acq: 19 Mar 2025 14:45

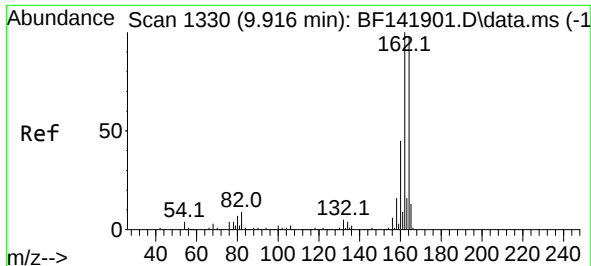
Tgt Ion:142 Resp: 696612

Ion Ratio Lower Upper

142 100

141 92.6 74.2 111.4

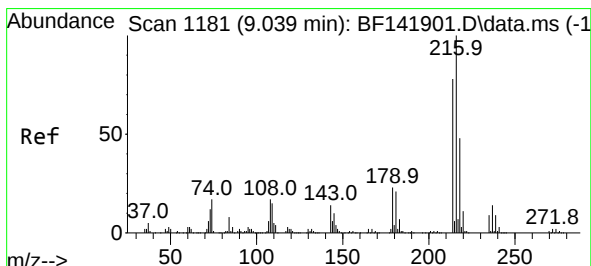
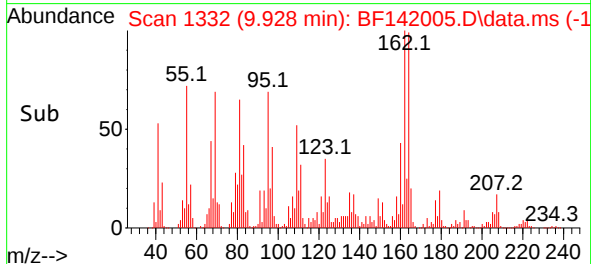
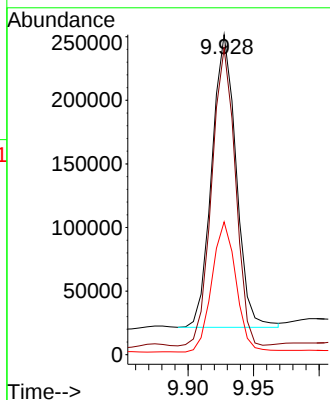
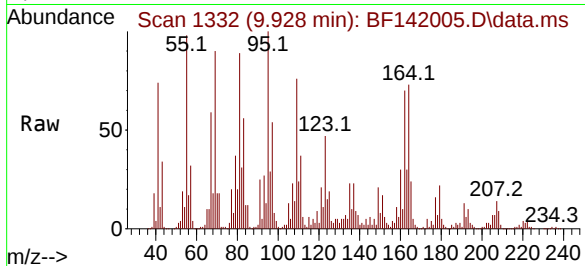




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 11332
Delta R.T. 0.012 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

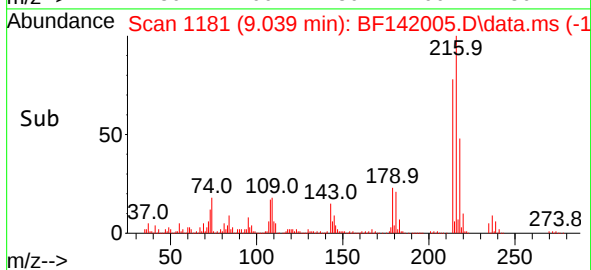
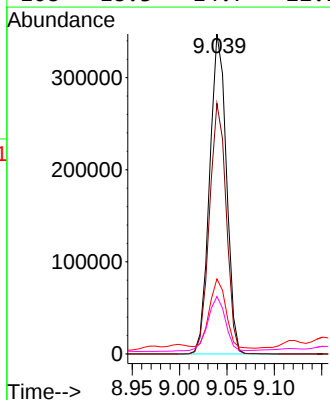
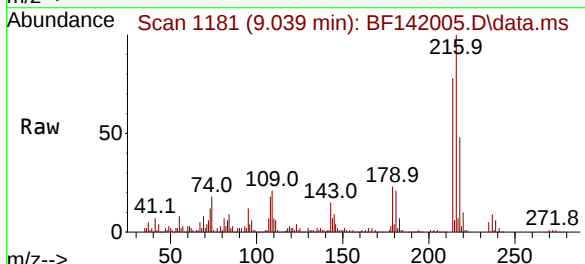
Instrument :
BNA_F
ClientSampleId :
72-11944MSD

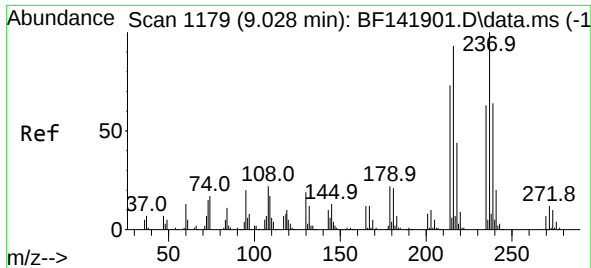
Tgt Ion:164 Resp: 295820
Ion Ratio Lower Upper
164 100
162 95.8 81.8 122.6
160 41.5 36.7 55.1



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.395 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion:216 Resp: 426867
Ion Ratio Lower Upper
216 100
214 78.2 61.9 92.9
179 21.1 18.1 27.1
108 18.3 14.7 22.1

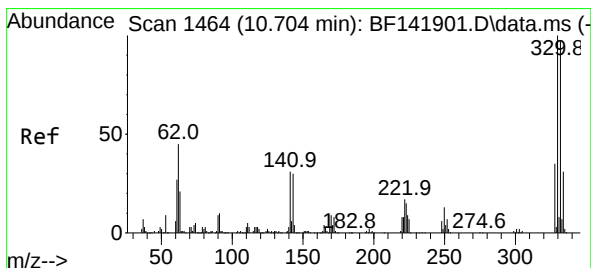
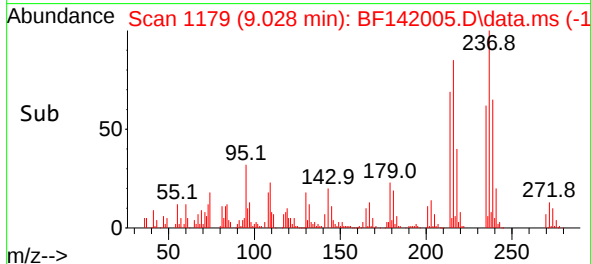
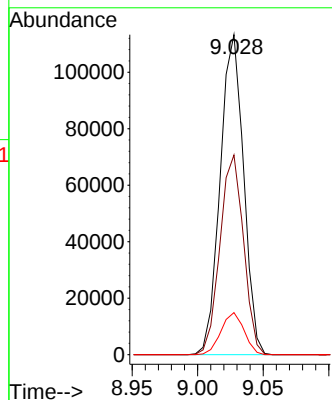
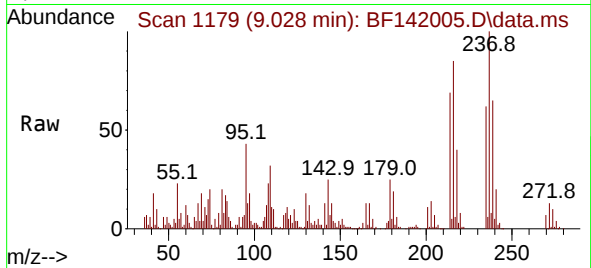




#41
Hexachlorocyclopentadiene
Concen: 39.862 ng
RT: 9.028 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

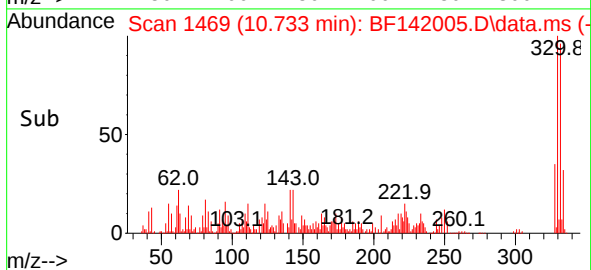
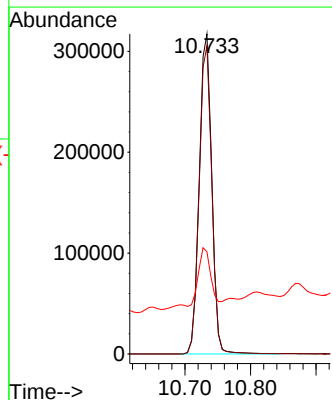
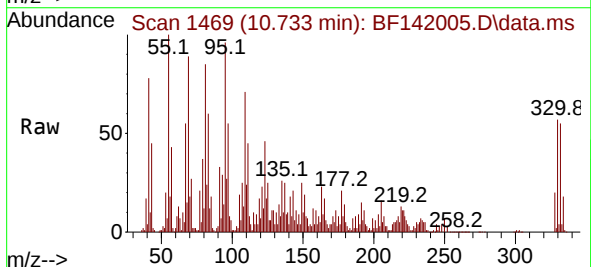
Instrument :
BNA_F
ClientSampleId :
72-11944MSD

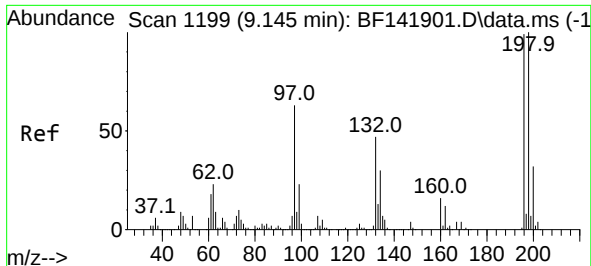
Tgt Ion:237 Resp: 140504
Ion Ratio Lower Upper
237 100
235 62.4 43.1 83.1
272 13.1 0.0 32.0



#42
2,4,6-Tribromophenol
Concen: 112.434 ng
RT: 10.733 min Scan# 1469
Delta R.T. 0.030 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion:330 Resp: 421949
Ion Ratio Lower Upper
330 100
332 96.6 77.6 116.4
141 18.2 24.7 37.1#

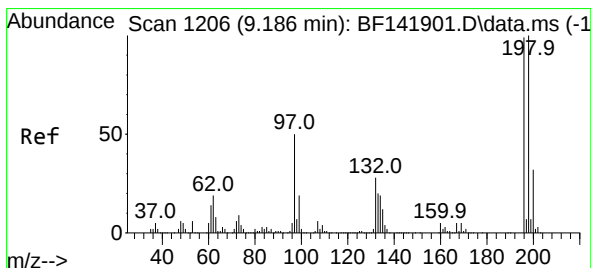
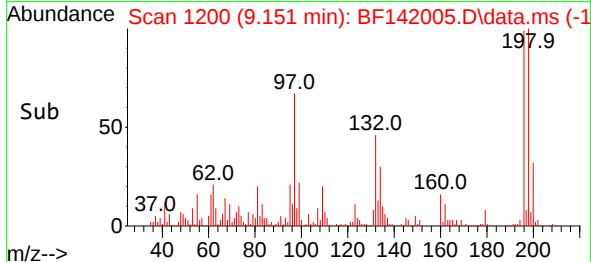
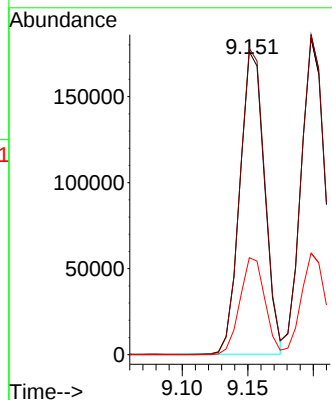
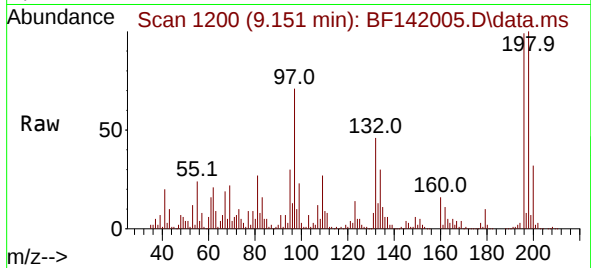




#43
2,4,6-Trichlorophenol
Concen: 39.151 ng
RT: 9.151 min Scan# 1199
Delta R.T. 0.006 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

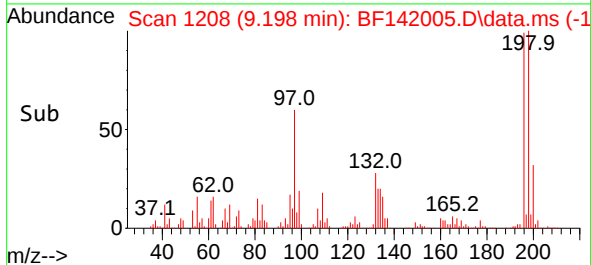
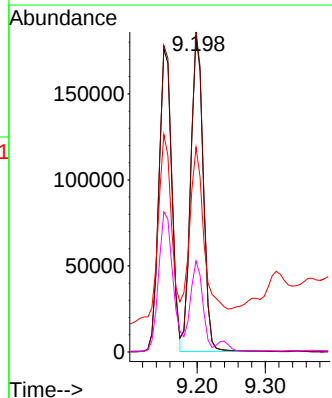
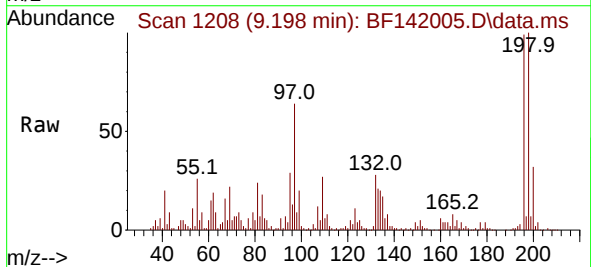
Instrument :
BNA_F
ClientSampleId :
72-11944MSD

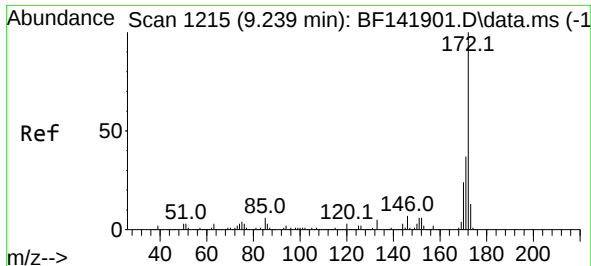
Tgt Ion:196 Resp: 230450
Ion Ratio Lower Upper
196 100
198 101.1 80.6 121.0
200 32.0 25.8 38.6



#44
2,4,5-Trichlorophenol
Concen: 39.208 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.012 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion:196 Resp: 233740
Ion Ratio Lower Upper
196 100
198 101.0 80.7 121.1
97 64.6 42.1 63.1#
132 28.7 23.4 35.2

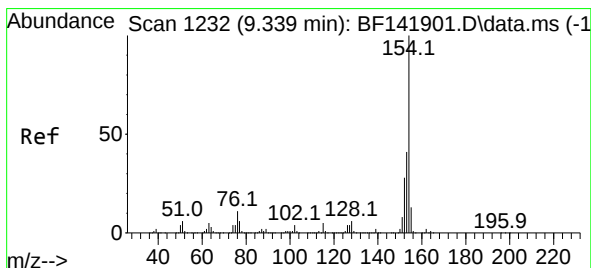
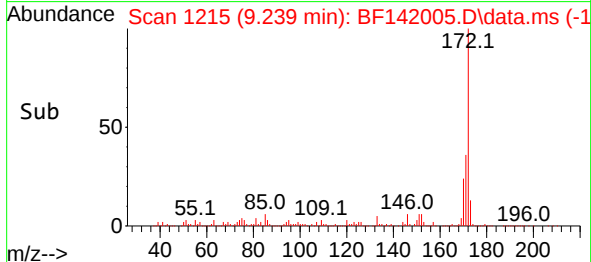
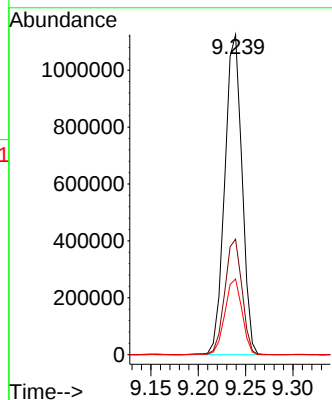
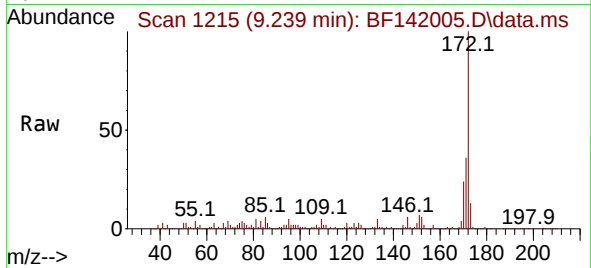




#45
2-Fluorobiphenyl
Concen: 73.294 ng
RT: 9.239 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

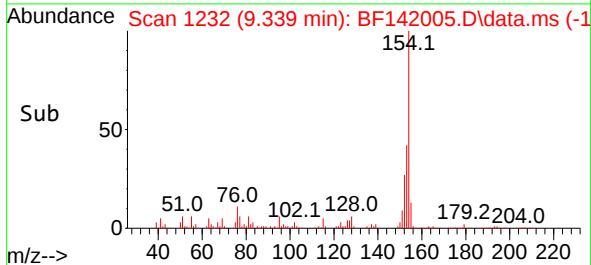
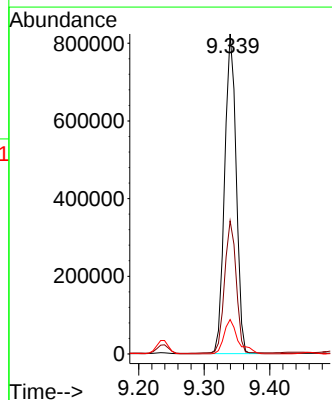
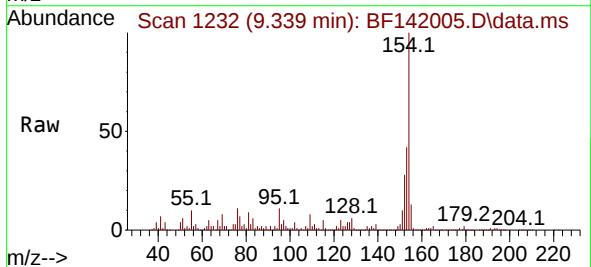
Instrument :
BNA_F
ClientSampleId :
72-11944MSD

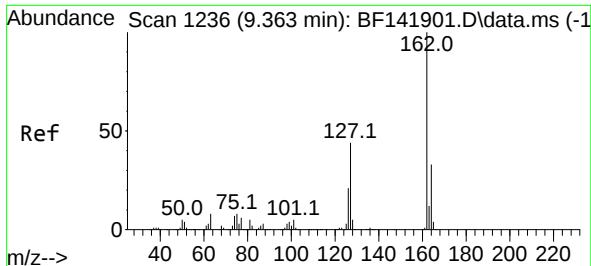
Tgt Ion:172 Resp: 1425679
Ion Ratio Lower Upper
172 100
171 36.1 29.3 43.9
170 23.7 19.4 29.0



#46
1,1'-Biphenyl
Concen: 44.578 ng
RT: 9.339 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion:154 Resp: 1001971
Ion Ratio Lower Upper
154 100
153 41.6 21.1 61.1
76 10.7 0.0 31.3





#47

2-Chloronaphthalene

Concen: 40.178 ng

RT: 9.363 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

Instrument :

BNA_F

ClientSampleId :

72-11944MSD

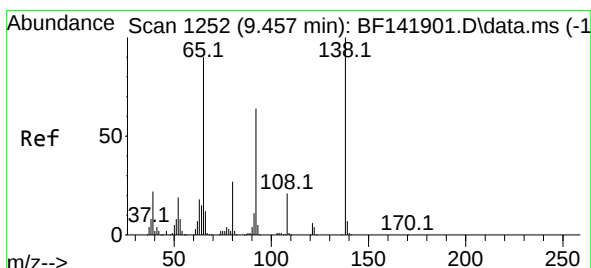
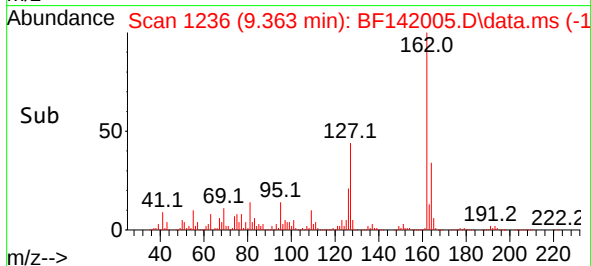
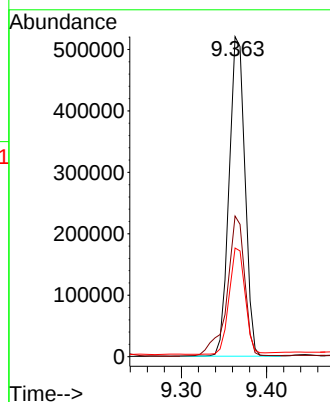
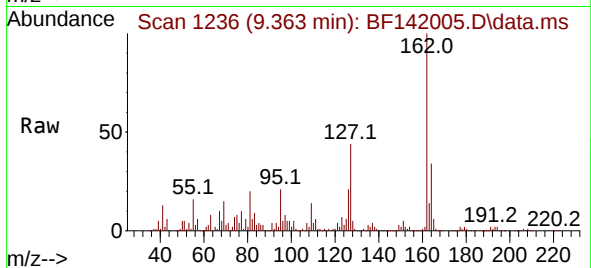
Tgt Ion:162 Resp: 673099

Ion Ratio Lower Upper

162 100

127 44.0 35.5 53.3

164 34.0 26.6 40.0



#48

2-Nitroaniline

Concen: 44.199 ng

RT: 9.457 min Scan# 1252

Delta R.T. 0.000 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

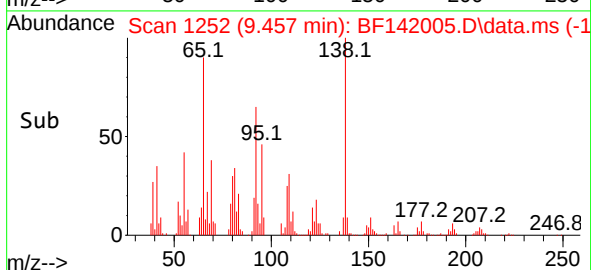
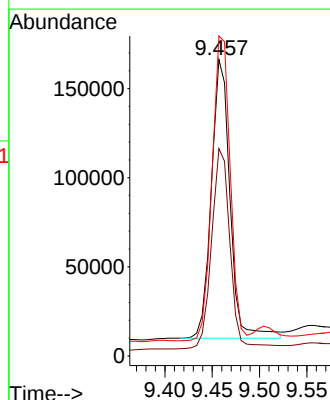
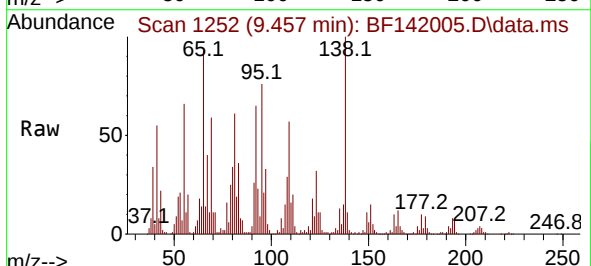
Tgt Ion: 65 Resp: 214397

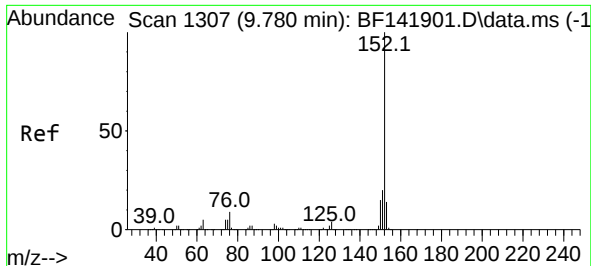
Ion Ratio Lower Upper

65 100

92 69.9 56.6 84.8

138 107.9 88.6 133.0





#49

Acenaphthylene

Concen: 38.438 ng

RT: 9.786 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

Instrument :

BNA_F

ClientSampleId :

72-11944MSD

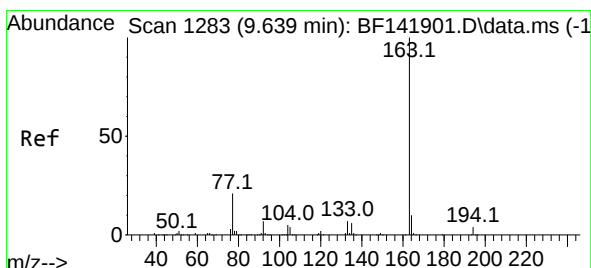
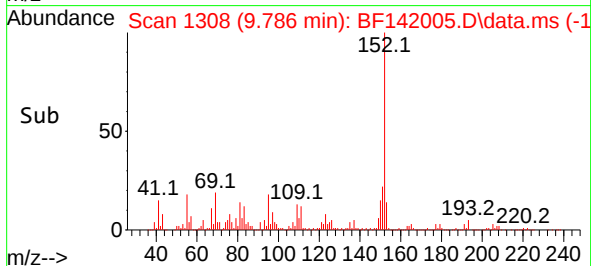
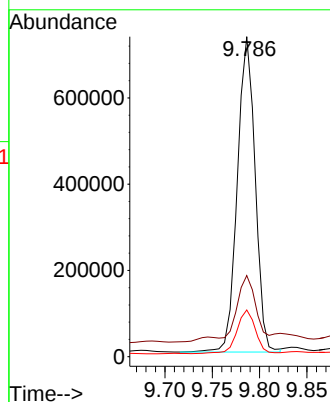
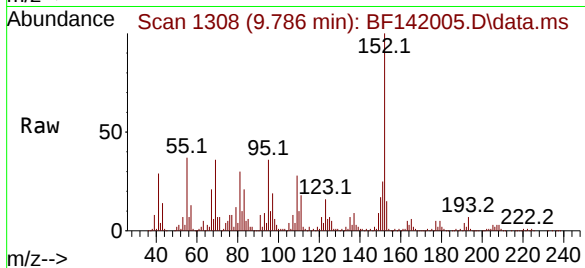
Tgt Ion:152 Resp: 955599

Ion Ratio Lower Upper

152 100

151 25.3 16.3 24.5#

153 14.6 11.1 16.7



#50

Dimethylphthalate

Concen: 41.431 ng

RT: 9.639 min Scan# 1283

Delta R.T. 0.000 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

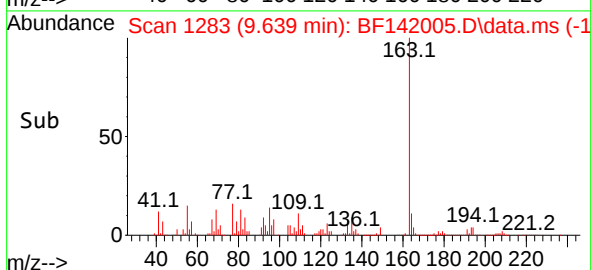
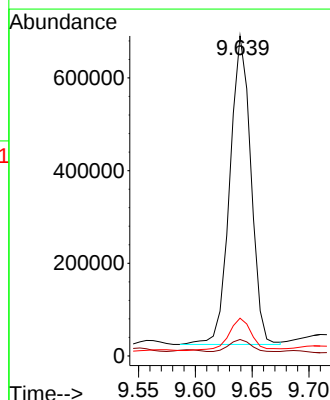
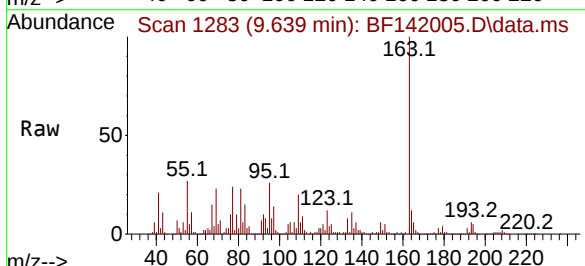
Tgt Ion:163 Resp: 858259

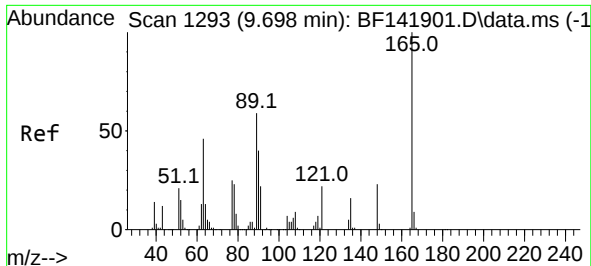
Ion Ratio Lower Upper

163 100

194 5.2 3.1 4.7#

164 11.8 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 43.510 ng

RT: 9.704 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

Instrument :

BNA_F

ClientSampleId :

72-11944MSD

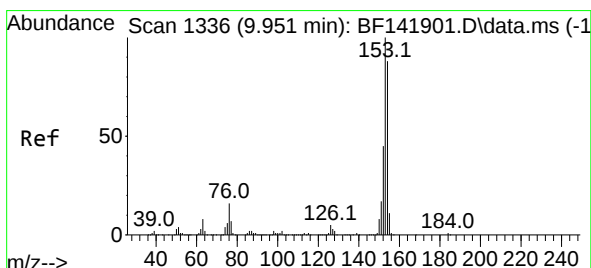
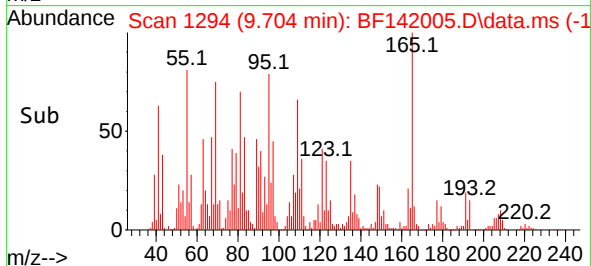
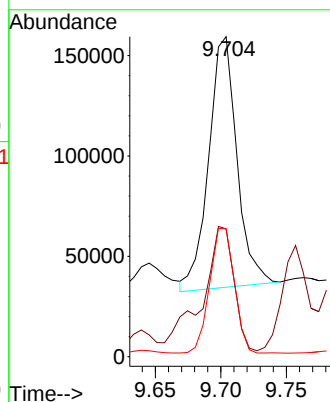
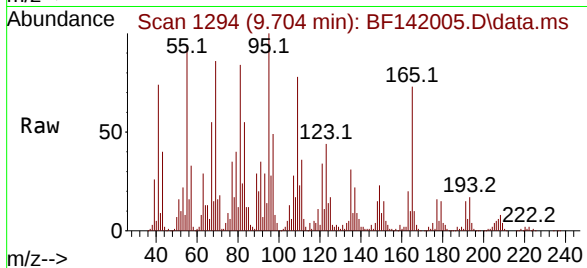
Tgt Ion:165 Resp: 187664

Ion Ratio Lower Upper

165 100

63 39.9 47.0 70.4#

89 39.9 47.4 71.2#



#52

Acenaphthene

Concen: 32.940 ng

RT: 9.963 min Scan# 1338

Delta R.T. 0.012 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

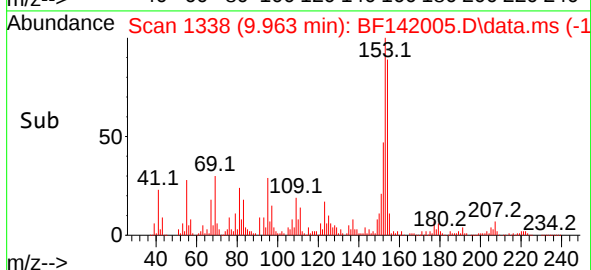
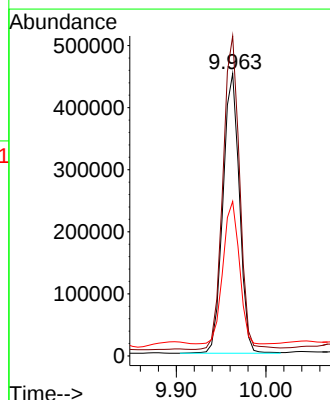
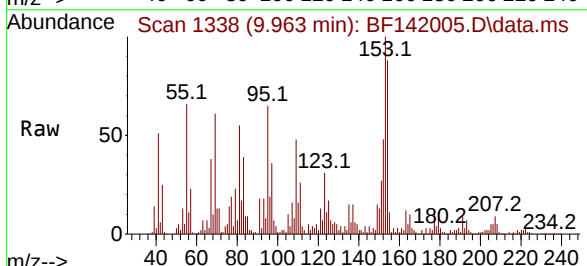
Tgt Ion:154 Resp: 575498

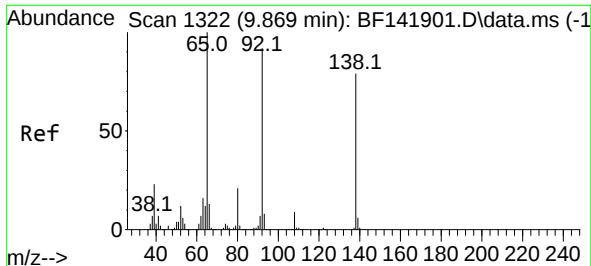
Ion Ratio Lower Upper

154 100

153 113.3 90.7 136.1

152 54.8 41.1 61.7

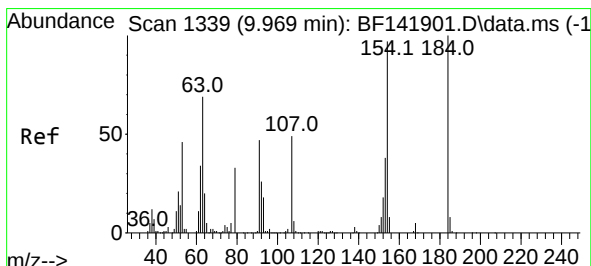
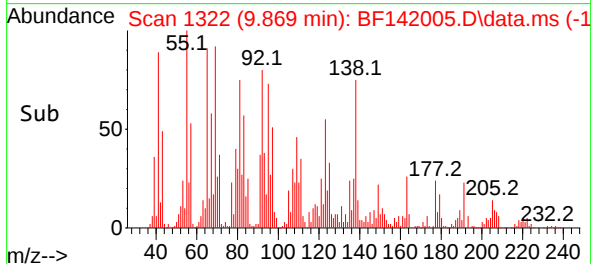
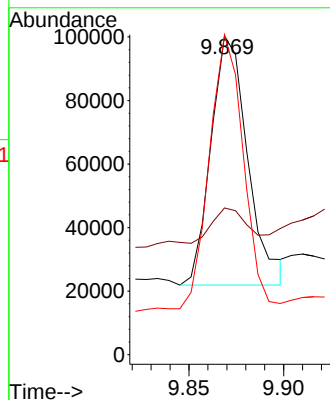
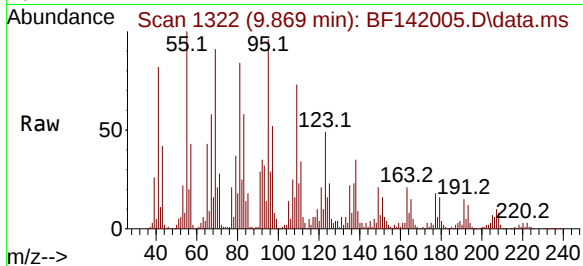




#53
3-Nitroaniline
Concen: 24.176 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

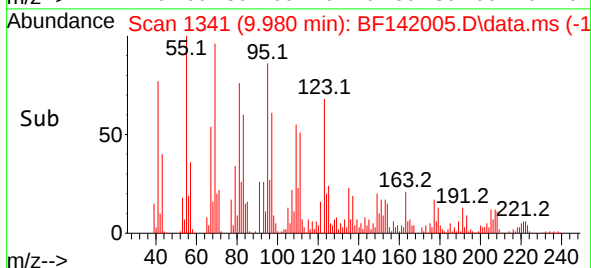
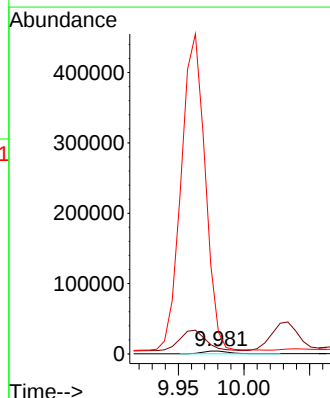
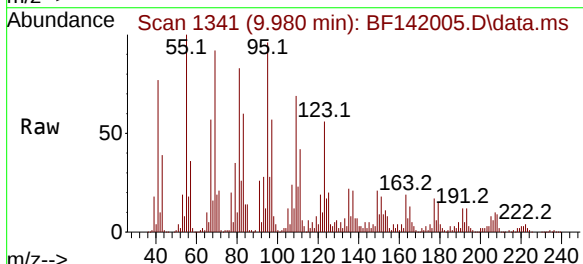
Instrument :
BNA_F
ClientSampleId :
72-11944MSD

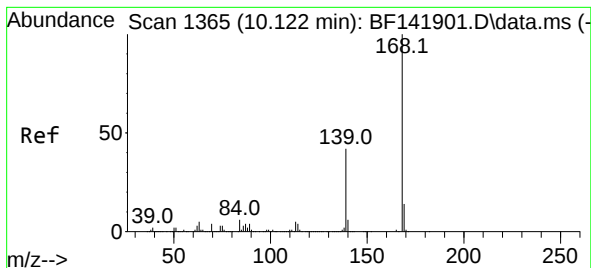
Tgt Ion:138 Resp: 105774
Ion Ratio Lower Upper
138 100
108 46.0 9.3 13.9#
92 100.4 93.5 140.3



#54
2,4-Dinitrophenol
Concen: 8.720 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.011 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion:184 Resp: 5732
Ion Ratio Lower Upper
184 100
63 192.2 60.2 90.4#
154 745.2 132.9 199.3#





#55

Dibenzenofuran

Concen: 32.813 ng

RT: 10.133 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

Instrument :

BNA_F

ClientSampleId :

72-11944MSD

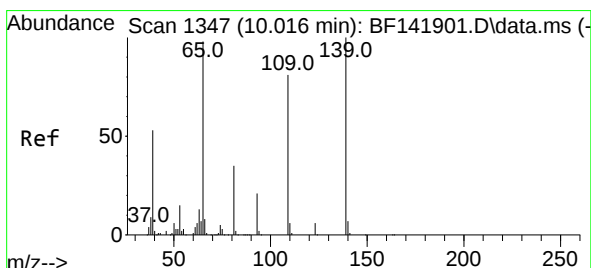
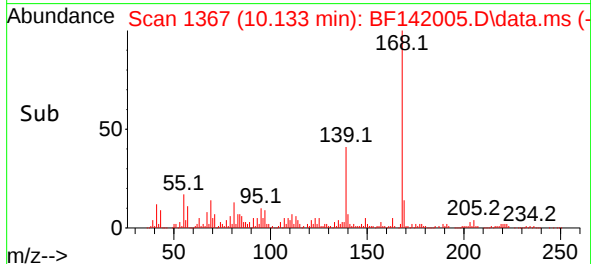
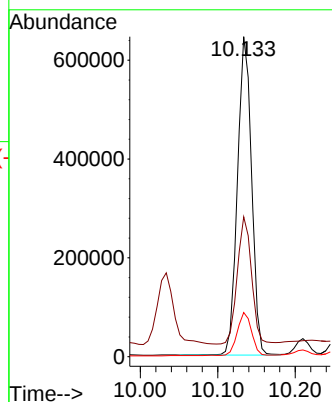
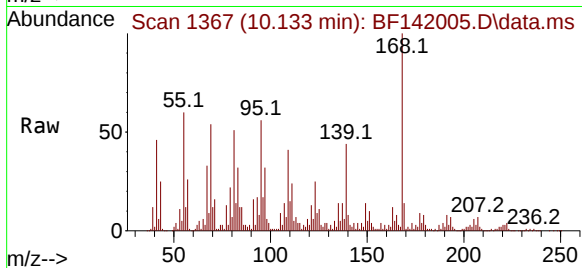
Tgt Ion:168 Resp: 819154

Ion Ratio Lower Upper

168 100

139 43.7 33.9 50.9

169 13.8 11.0 16.4



#56

4-Nitrophenol

Concen: 65.050 ng

RT: 10.033 min Scan# 1350

Delta R.T. 0.018 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

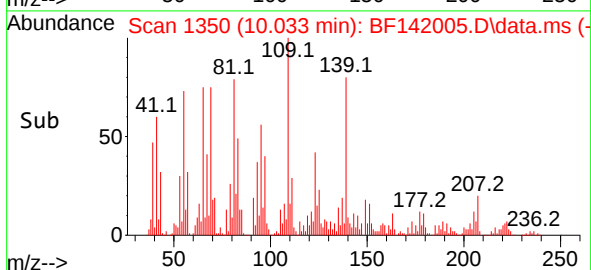
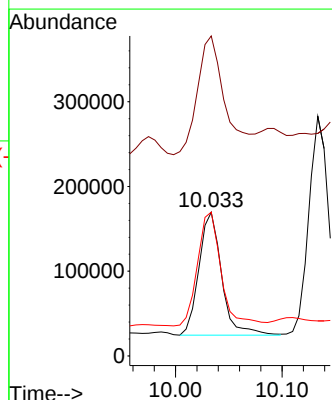
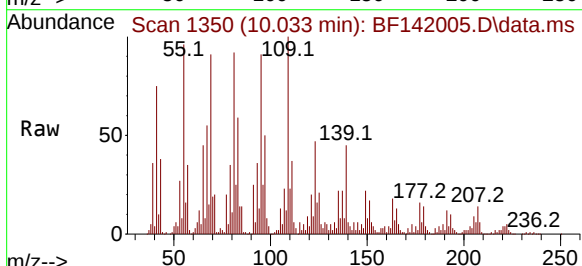
Tgt Ion:139 Resp: 214628

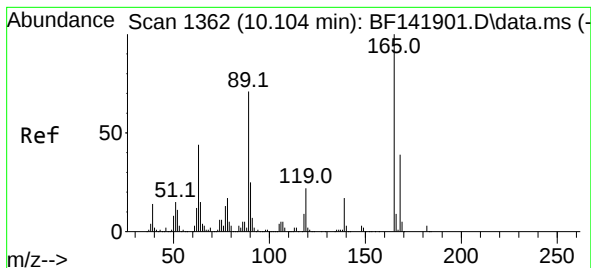
Ion Ratio Lower Upper

139 100

109 222.7 61.6 101.6#

65 100.1 79.4 119.4

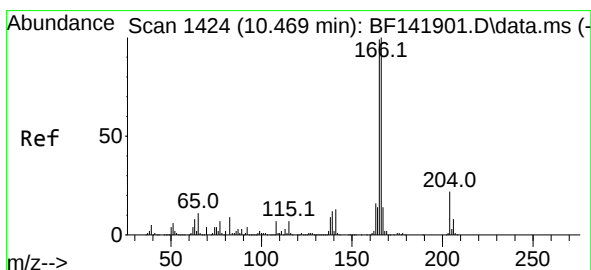
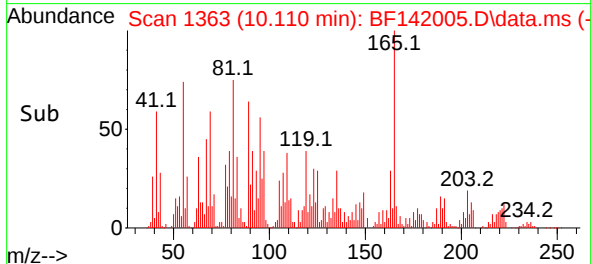
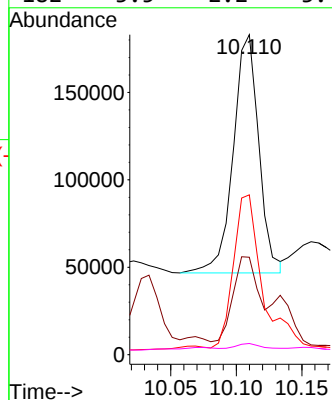
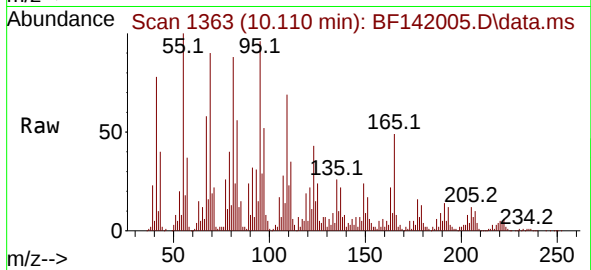




#57
2,4-Dinitrotoluene
Concen: 32.815 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.006 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

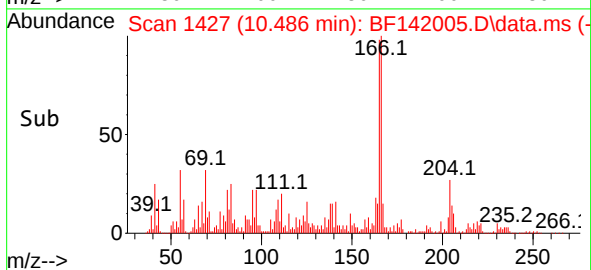
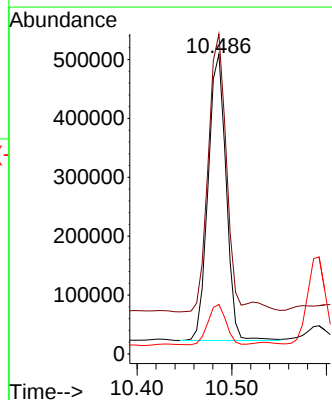
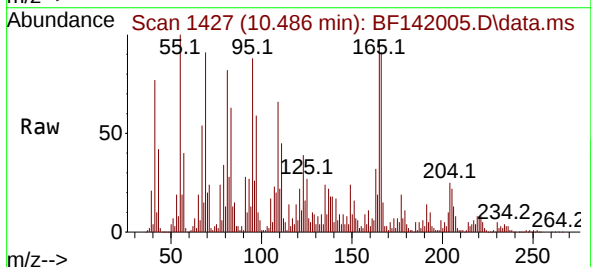
Instrument :
BNA_F
ClientSampleId :
72-11944MSD

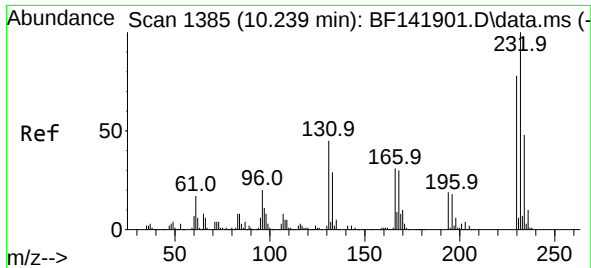
Tgt Ion:165 Resp: 184864
Ion Ratio Lower Upper
165 100
63 30.4 35.4 53.2#
89 49.9 56.6 84.8#
182 3.5 2.2 3.4#



#58
Fluorene
Concen: 33.251 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.018 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion:166 Resp: 640143
Ion Ratio Lower Upper
166 100
165 106.7 79.0 118.4
167 16.6 11.0 16.4#

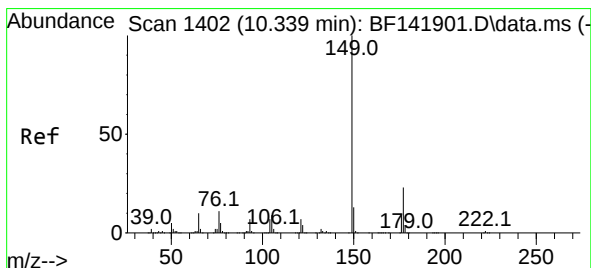
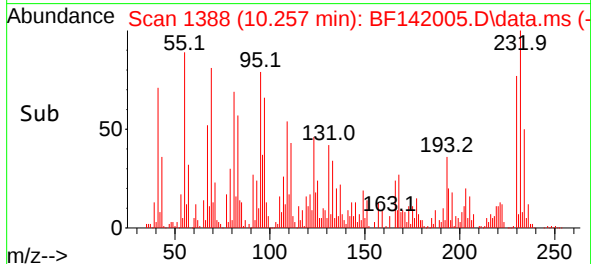
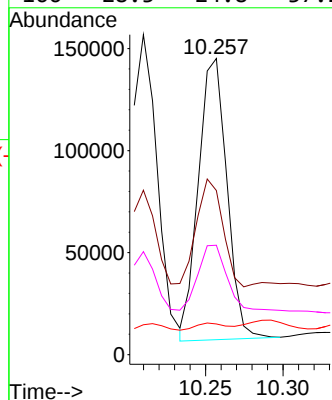
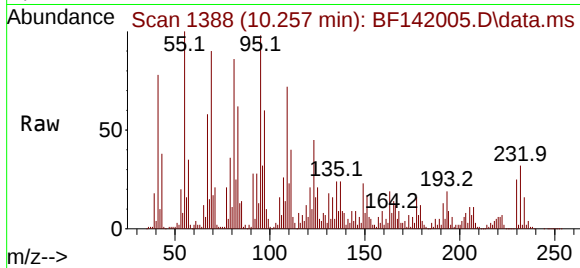




#59
2,3,4,6-Tetrachlorophenol
Concen: 32.544 ng
RT: 10.257 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

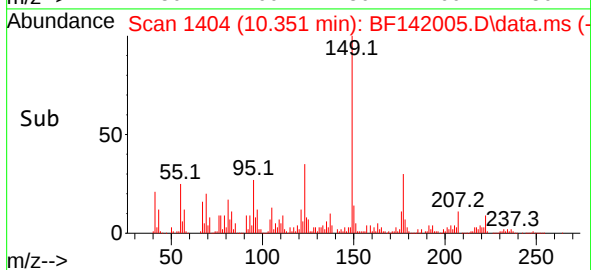
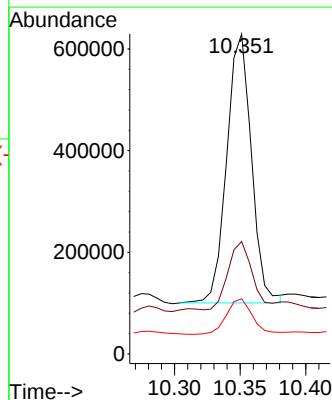
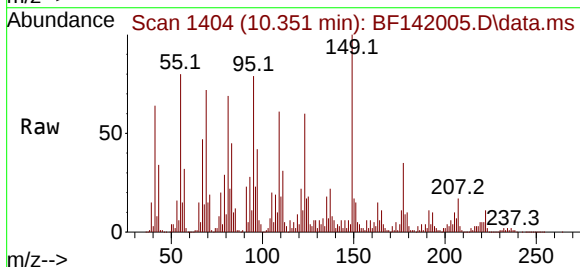
Instrument :
BNA_F
ClientSampleId :
72-11944MSD

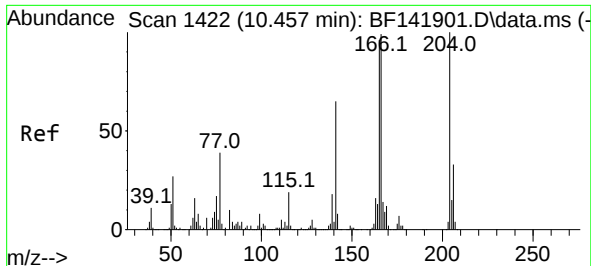
Tgt Ion:232 Resp: 176542
Ion Ratio Lower Upper
232 100
131 36.0 37.3 55.9#
130 2.8 1.9 2.9
166 28.3 24.8 37.2



#60
Diethylphthalate
Concen: 33.532 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.012 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion:149 Resp: 692641
Ion Ratio Lower Upper
149 100
177 35.2 18.0 27.0#
150 17.3 10.2 15.4#

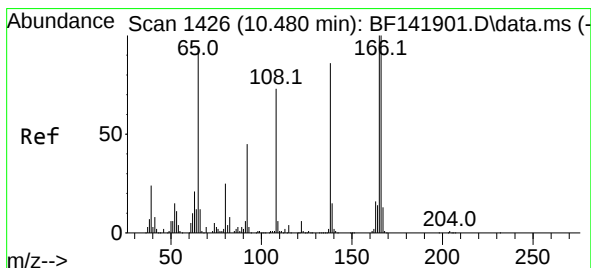
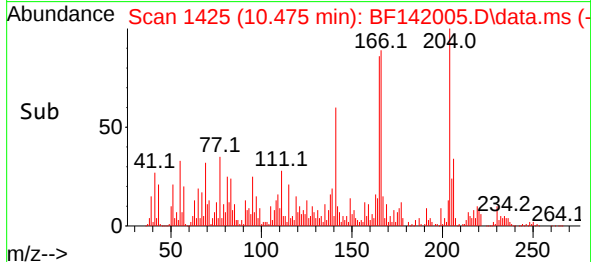
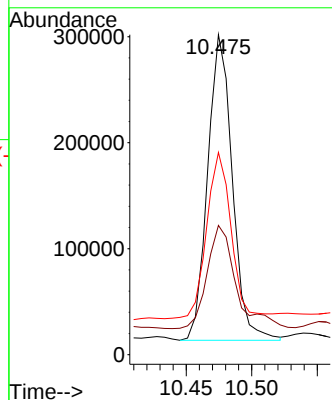
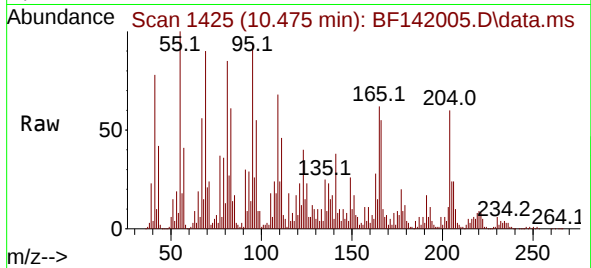




#61
4-Chlorophenyl-phenylether
Concen: 37.495 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.018 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

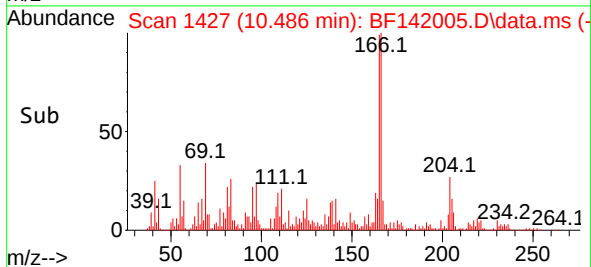
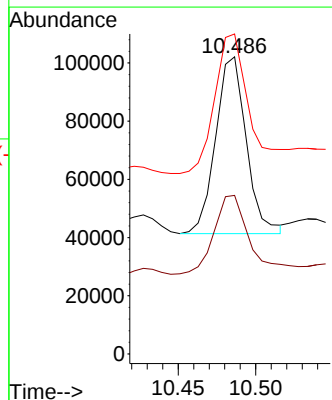
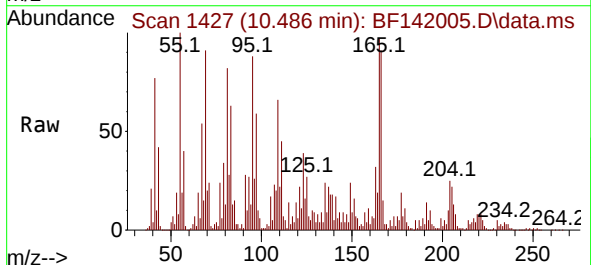
Instrument :
BNA_F
ClientSampleId :
72-11944MSD

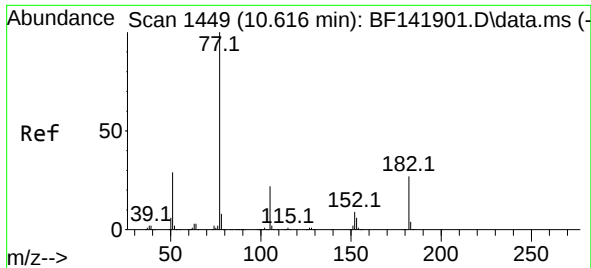
Tgt Ion:204 Resp: 376335
Ion Ratio Lower Upper
204 100
206 40.4 26.8 40.2#
141 63.2 52.4 78.6



#62
4-Nitroaniline
Concen: 19.606 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion:138 Resp: 83512
Ion Ratio Lower Upper
138 100
92 53.3 32.6 72.6
108 107.7 65.0 105.0#

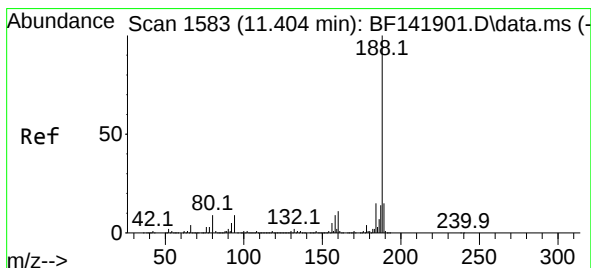
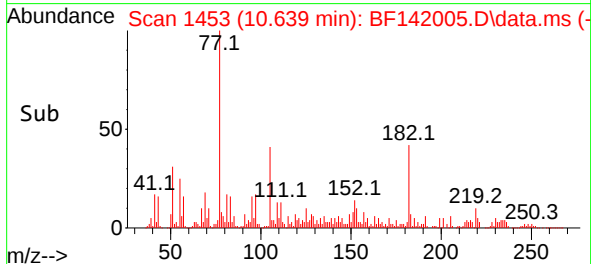
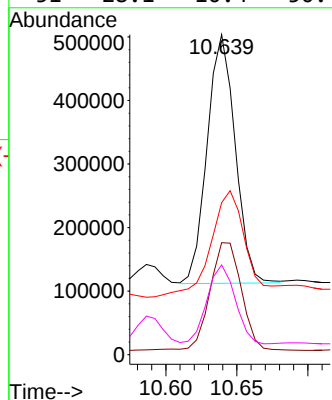
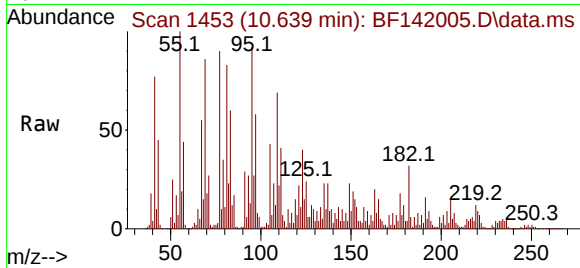




#63
 Azobenzene
 Concen: 28.002 ng
 RT: 10.639 min Scan# 1449
 Delta R.T. 0.024 min
 Lab File: BF142005.D
 Acq: 19 Mar 2025 14:45

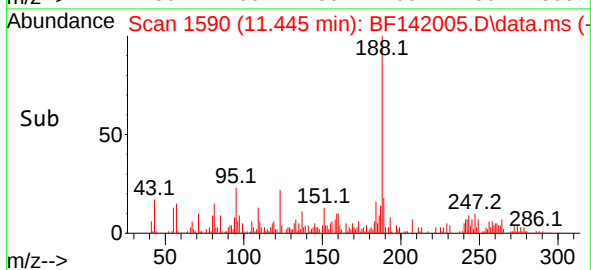
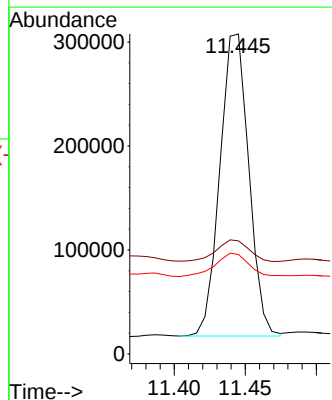
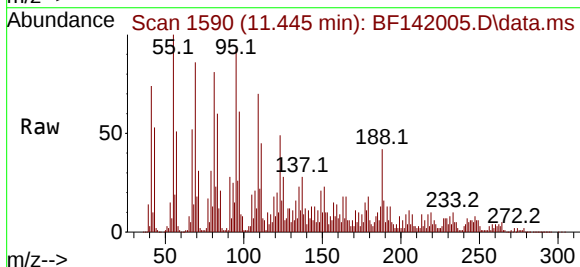
Instrument :
 BNA_F
 ClientSampleId :
 72-11944MSD

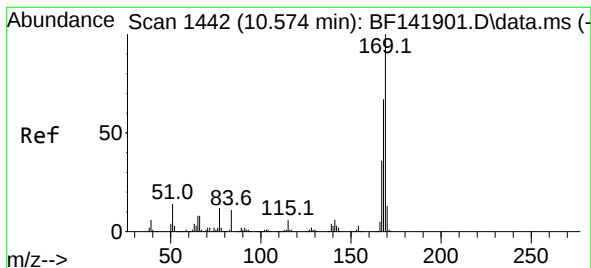
Tgt Ion: 77	Resp: 537760
Ion Ratio	Lower Upper
77 100	
182 35.0	6.6 46.6
105 47.5	1.3 41.3#
51 28.1	10.4 50.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.445 min Scan# 1590
 Delta R.T. 0.041 min
 Lab File: BF142005.D
 Acq: 19 Mar 2025 14:45

Tgt Ion: 188	Resp: 410741
Ion Ratio	Lower Upper
188 100	
94 35.4	6.8 10.2#
80 31.1	7.6 11.4#

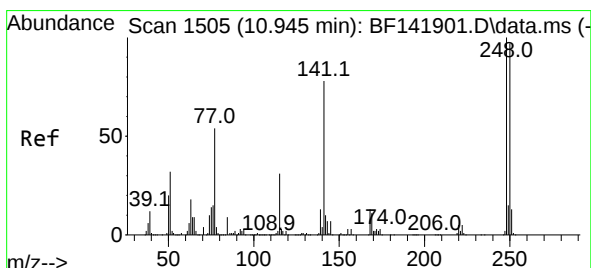
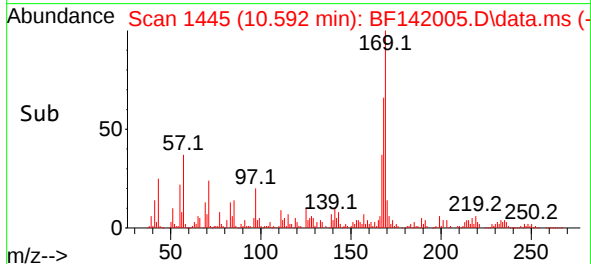
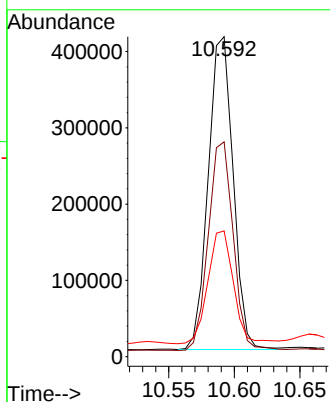
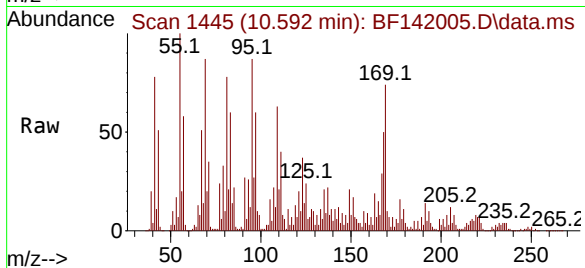




#66
n-Nitrosodiphenylamine
Concen: 40.722 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.018 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

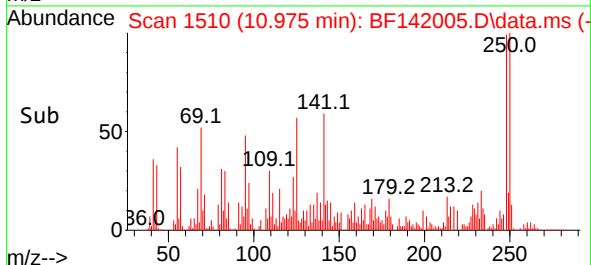
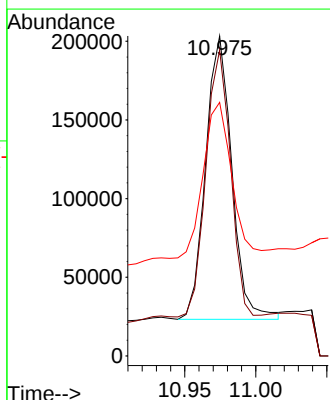
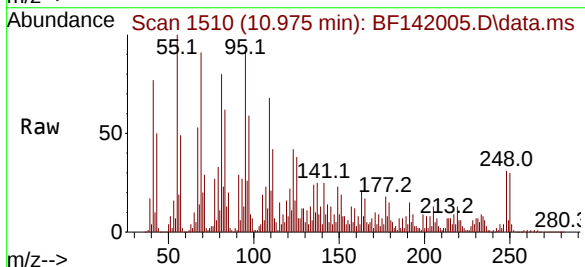
Instrument :
BNA_F
ClientSampleId :
72-11944MSD

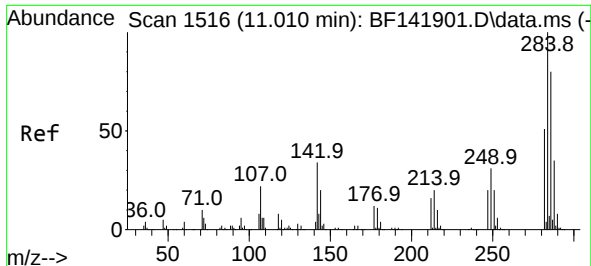
Tgt Ion:169 Resp: 541267
Ion Ratio Lower Upper
169 100
168 67.2 53.7 80.5
167 39.3 29.2 43.8



#67
4-Bromophenyl-phenylether
Concen: 44.931 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.030 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion:248 Resp: 231773
Ion Ratio Lower Upper
248 100
250 95.6 77.8 116.8
141 79.3 62.6 93.8

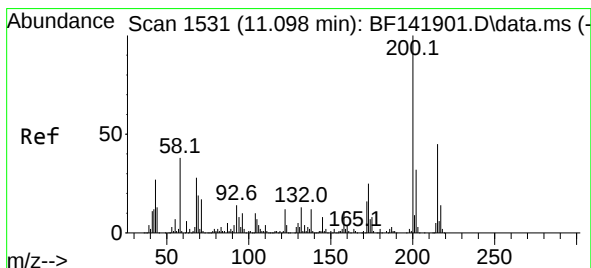
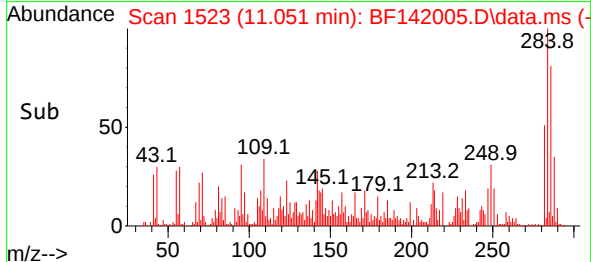
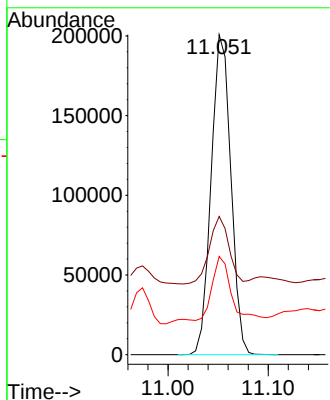
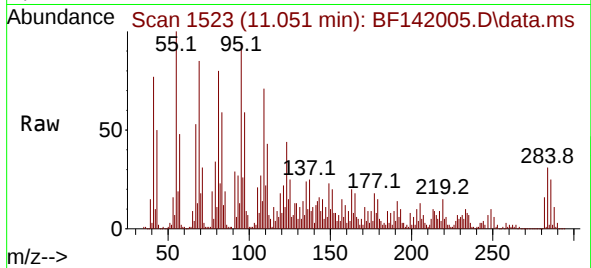




#68
Hexachlorobenzene
Concen: 48.296 ng
RT: 11.051 min Scan# 11041
Delta R.T. 0.041 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

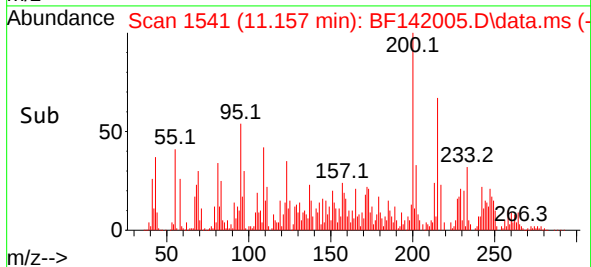
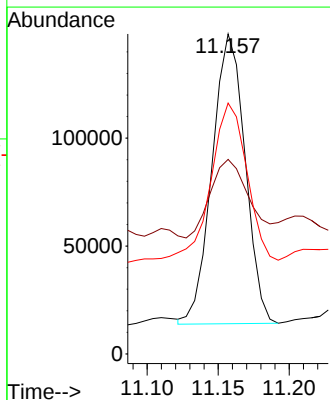
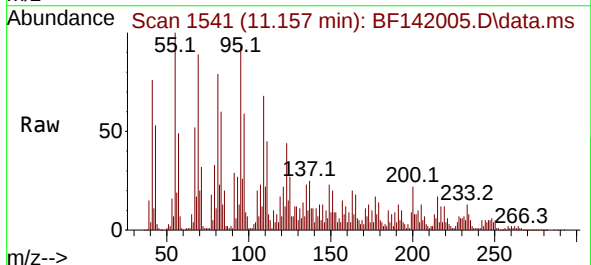
Instrument :
BNA_F
ClientSampleId :
72-11944MSD

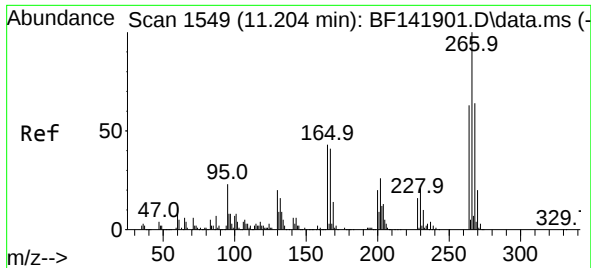
Tgt Ion:284 Resp: 273240
Ion Ratio Lower Upper
284 100
142 43.2 27.0 40.6#
249 30.7 25.2 37.8



#69
Atrazine
Concen: 53.078 ng
RT: 11.157 min Scan# 1541
Delta R.T. 0.059 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion:200 Resp: 216277
Ion Ratio Lower Upper
200 100
173 60.8 4.7 44.7#
215 78.4 25.4 65.4#

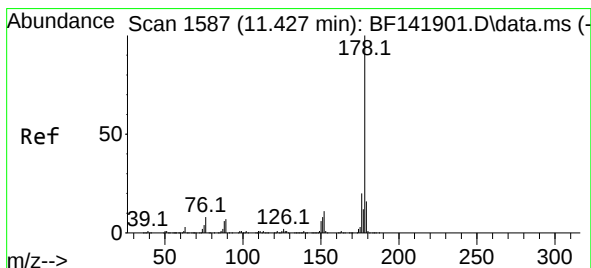
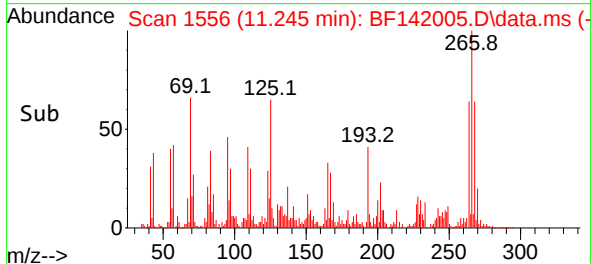
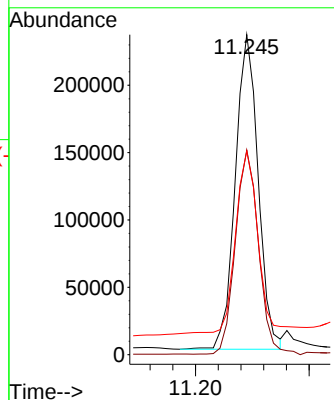
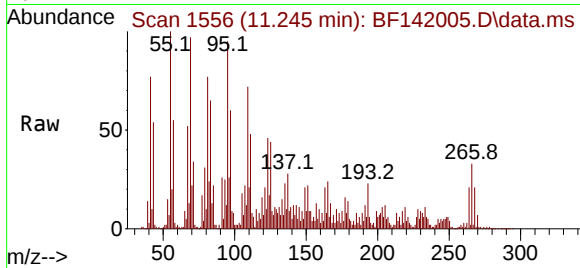




#70
 Pentachlorophenol
 Concen: 93.679 ng
 RT: 11.245 min Scan# 1556
 Delta R.T. 0.041 min
 Lab File: BF142005.D
 Acq: 19 Mar 2025 14:45

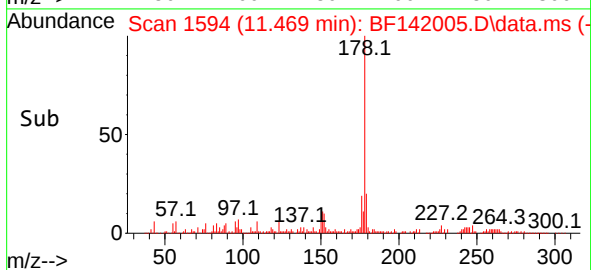
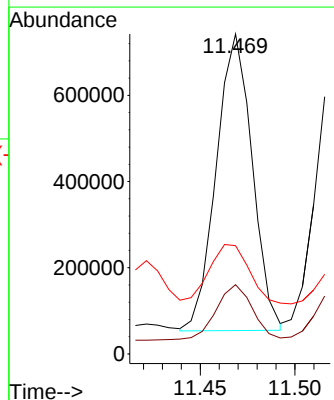
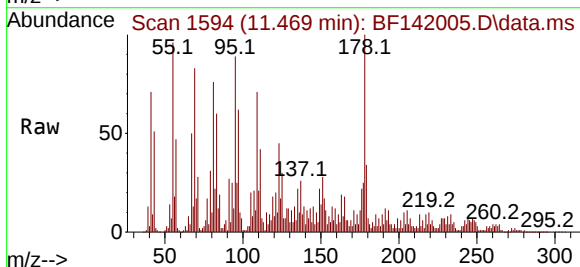
Instrument :
 BNA_F
 ClientSampleId :
 72-11944MSD

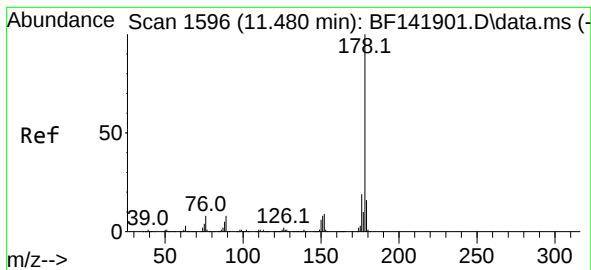
Tgt Ion:266 Resp: 326550
 Ion Ratio Lower Upper
 266 100
 268 64.0 51.0 76.6
 264 63.7 50.2 75.2



#71
 Phenanthrene
 Concen: 40.954 ng
 RT: 11.469 min Scan# 1594
 Delta R.T. 0.041 min
 Lab File: BF142005.D
 Acq: 19 Mar 2025 14:45

Tgt Ion:178 Resp: 908573
 Ion Ratio Lower Upper
 178 100
 176 21.7 15.8 23.8
 179 33.9 12.6 19.0#





#72

Anthracene

Concen: 38.825 ng

RT: 11.522 min Scan# 1

Delta R.T. 0.041 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

Instrument :

BNA_F

ClientSampleId :

72-11944MSD

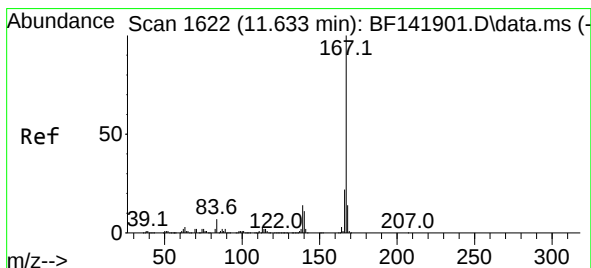
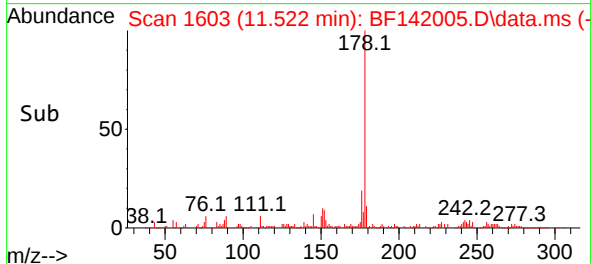
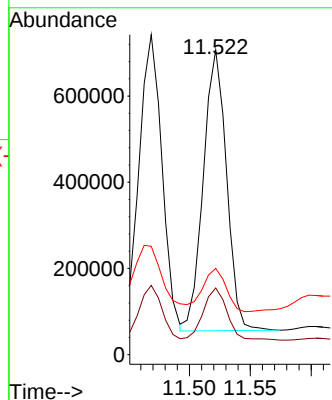
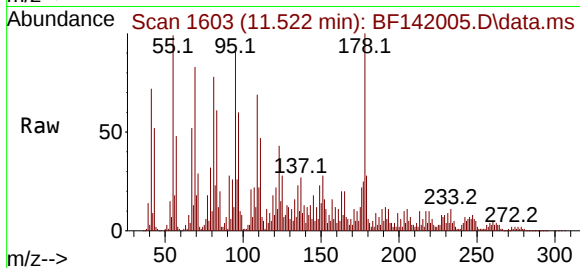
Tgt Ion:178 Resp: 864156

Ion Ratio Lower Upper

178 100

176 21.9 15.1 22.7

179 28.3 12.6 19.0#



#73

Carbazole

Concen: 37.996 ng

RT: 11.669 min Scan# 1628

Delta R.T. 0.035 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

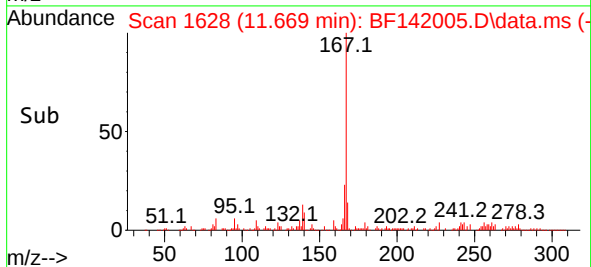
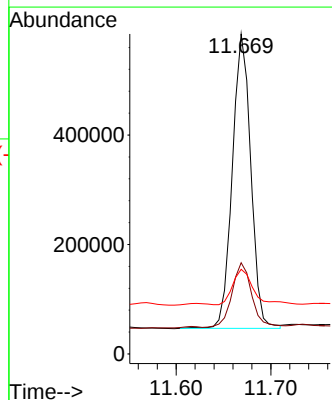
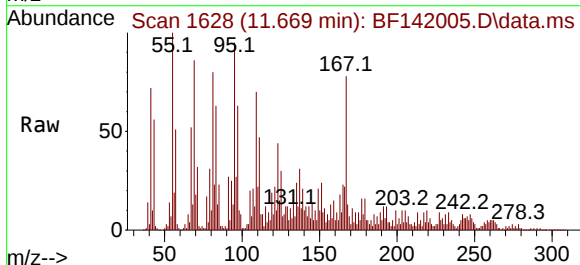
Tgt Ion:167 Resp: 729345

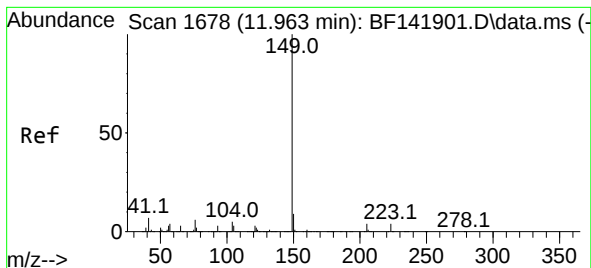
Ion Ratio Lower Upper

167 100

166 28.5 17.4 26.2#

139 26.5 11.0 16.6#





#74

Di-n-butylphthalate

Concen: 36.383 ng

RT: 12.004 min Scan# 1

Delta R.T. 0.041 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

Instrument :

BNA_F

ClientSampleId :

72-11944MSD

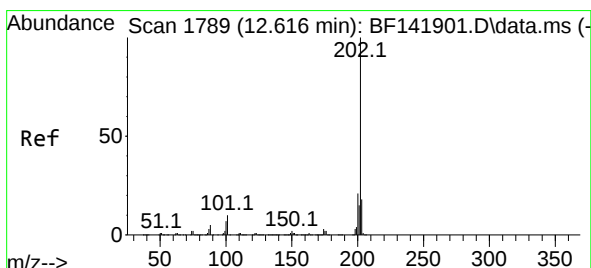
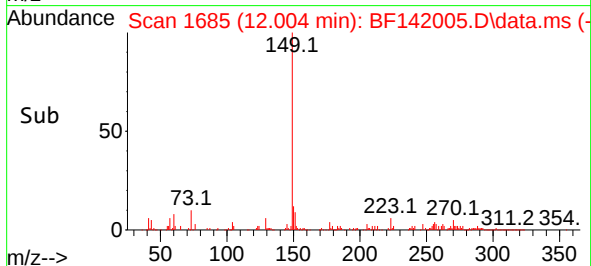
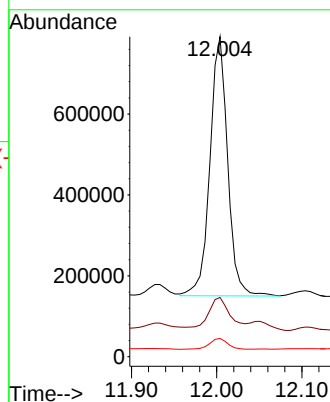
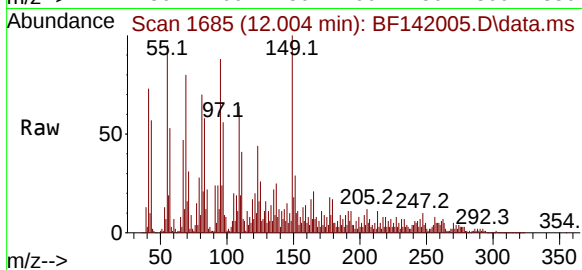
Tgt Ion:149 Resp: 926673

Ion Ratio Lower Upper

149 100

150 18.5 7.6 11.4#

104 5.7 4.4 6.6



#75

Fluoranthene

Concen: 54.320 ng

RT: 12.674 min Scan# 1799

Delta R.T. 0.059 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

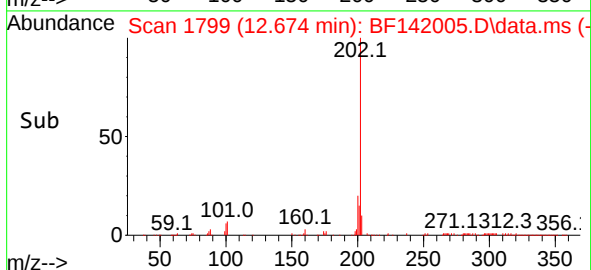
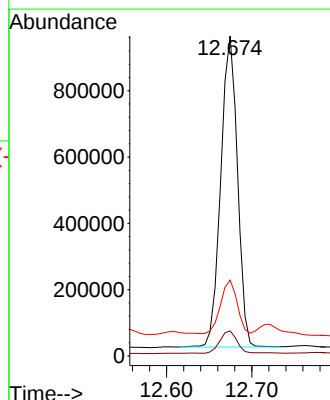
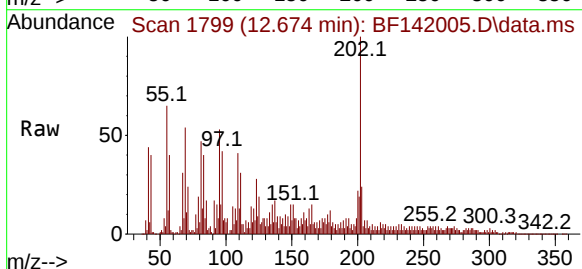
Tgt Ion:202 Resp: 1278336

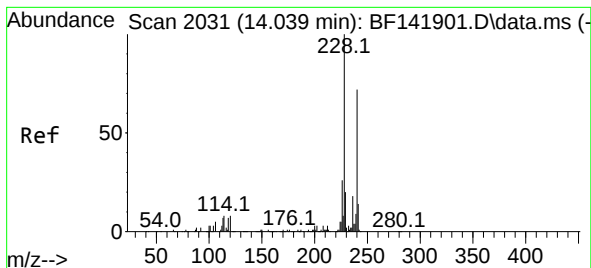
Ion Ratio Lower Upper

202 100

101 7.9 0.0 29.7

203 23.7 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 2031

Delta R.T. 0.041 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

Instrument :

BNA_F

ClientSampleId :

72-11944MSD

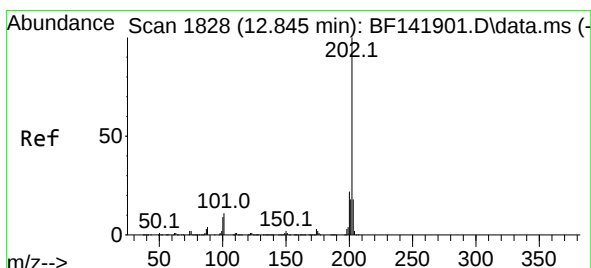
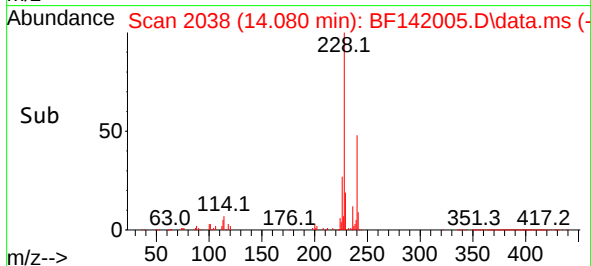
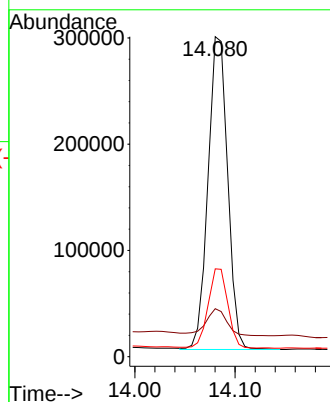
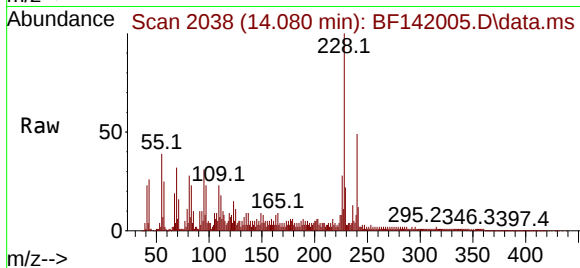
Tgt Ion:240 Resp: 402246

Ion Ratio Lower Upper

240 100

120 15.0 8.4 12.6#

236 27.5 20.5 30.7



#78

Pyrene

Concen: 37.348 ng

RT: 12.904 min Scan# 1838

Delta R.T. 0.059 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

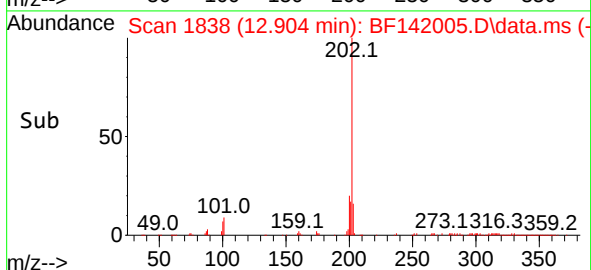
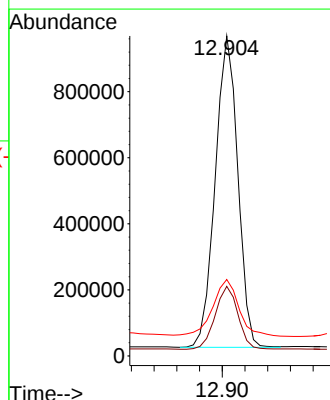
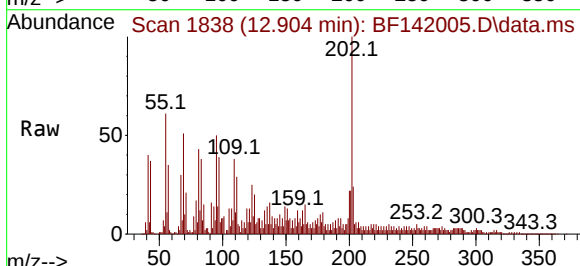
Tgt Ion:202 Resp: 1299501

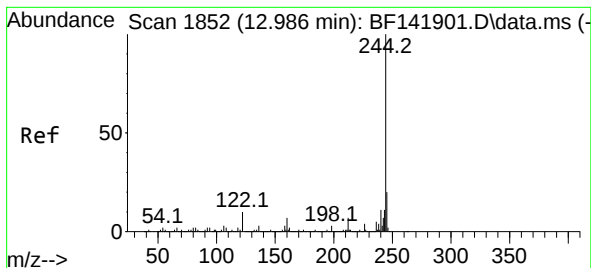
Ion Ratio Lower Upper

202 100

200 21.8 17.3 25.9

203 23.9 14.4 21.6#





#79

Terphenyl-d14

Concen: 54.439 ng

RT: 13.033 min Scan# 1860

Delta R.T. 0.047 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

Instrument :

BNA_F

ClientSampleId :

72-11944MSD

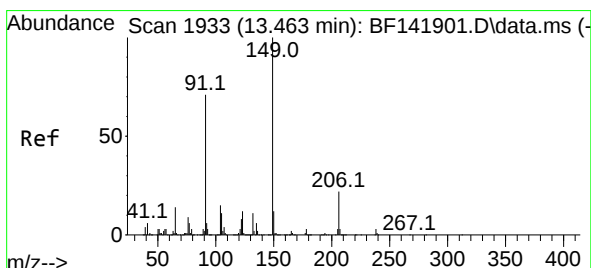
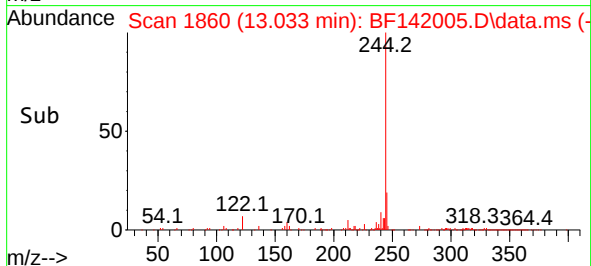
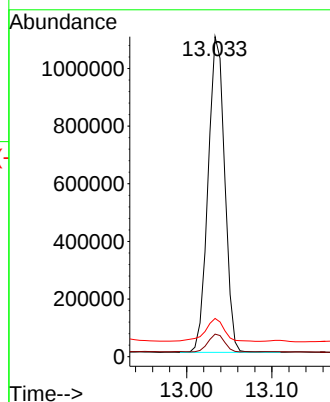
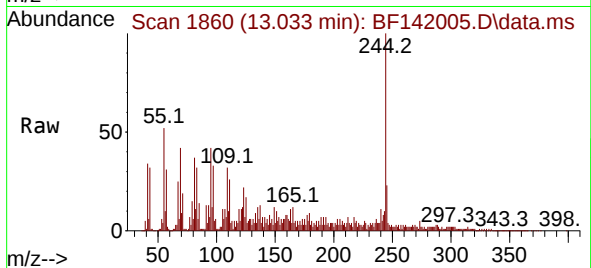
Tgt Ion:244 Resp: 1481130

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 12.0 7.7 11.5#



#80

Butylbenzylphthalate

Concen: 30.240 ng

RT: 13.498 min Scan# 1939

Delta R.T. 0.035 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

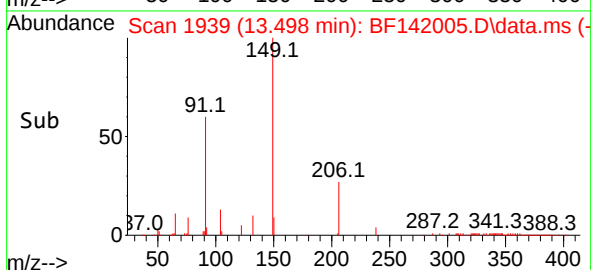
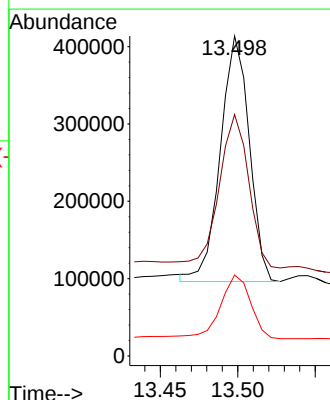
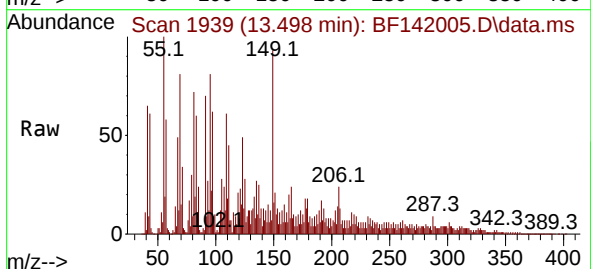
Tgt Ion:149 Resp: 411834

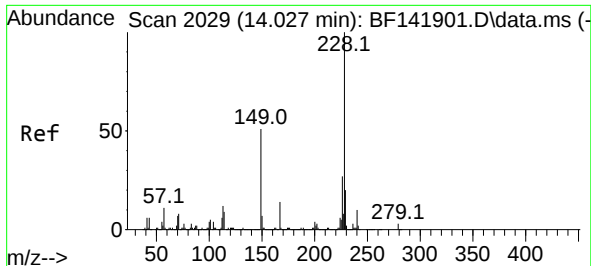
Ion Ratio Lower Upper

149 100

91 75.5 56.5 84.7

206 25.3 17.3 25.9

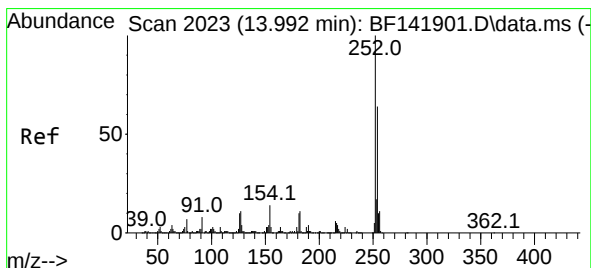
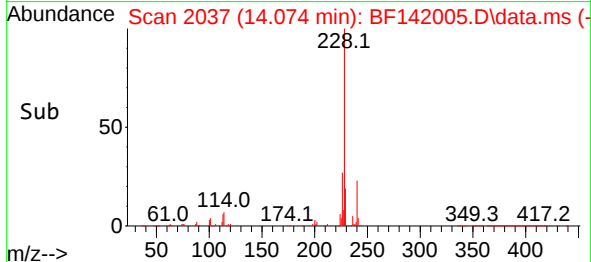
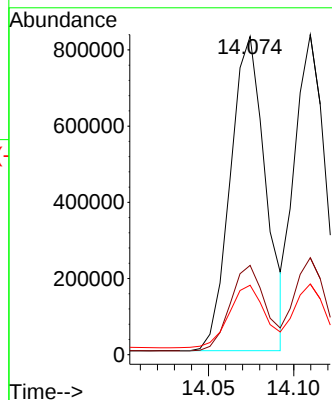
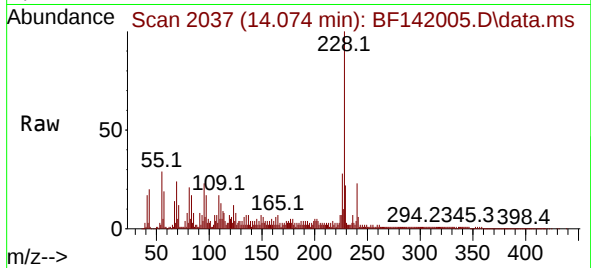




#81
Benzo(a)anthracene
Concen: 45.042 ng
RT: 14.074 min Scan# 2029
Delta R.T. 0.047 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

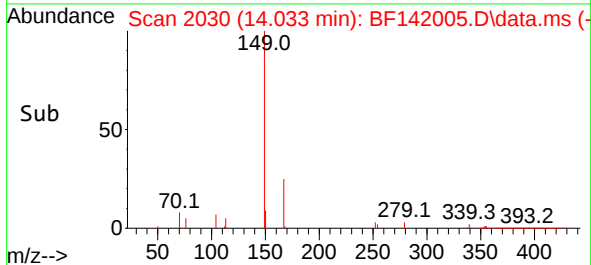
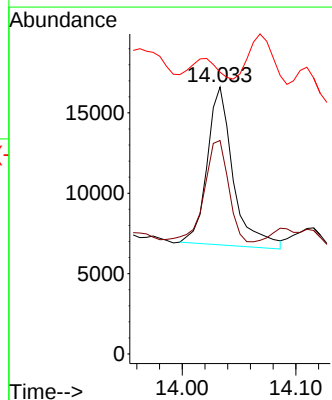
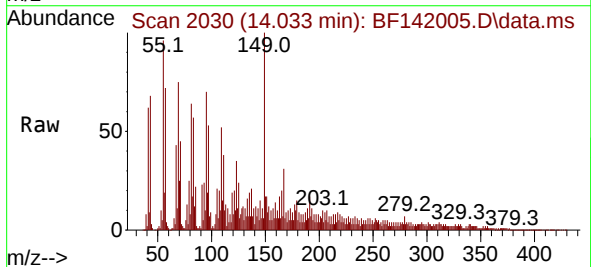
Instrument :
BNA_F
ClientSampleId :
72-11944MSD

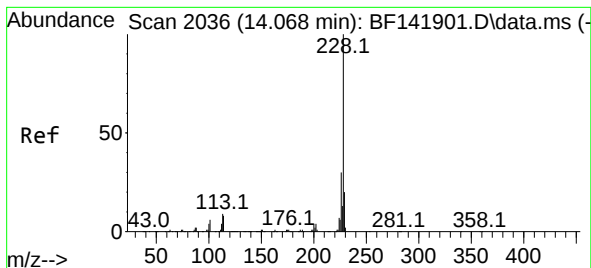
Tgt Ion:228 Resp: 1188900
Ion Ratio Lower Upper
228 100
226 28.1 21.8 32.8
229 21.8 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 2.038 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.041 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion:252 Resp: 15542
Ion Ratio Lower Upper
252 100
254 80.0 51.0 76.6#
126 105.5 8.4 12.6#





#83

Chrysene

Concen: 43.065 ng

RT: 14.110 min Scan# 2036

Delta R.T. 0.041 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

Instrument :

BNA_F

ClientSampleId :

72-11944MSD

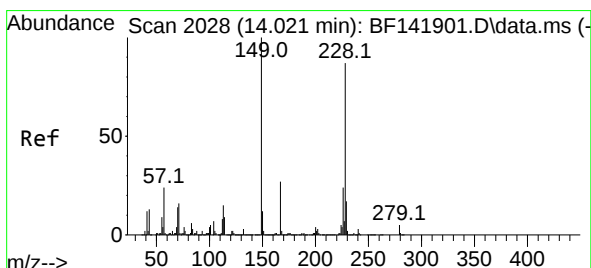
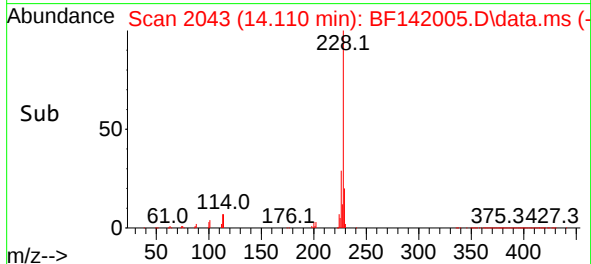
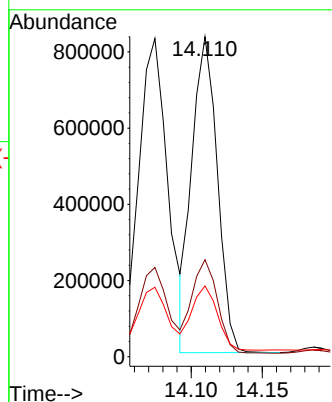
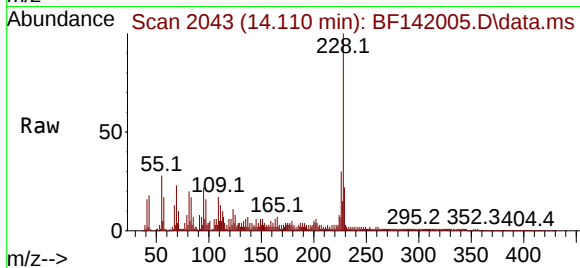
Tgt Ion:228 Resp: 1030409

Ion Ratio Lower Upper

228 100

226 30.3 24.1 36.1

229 22.1 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 35.674 ng

RT: 14.045 min Scan# 2032

Delta R.T. 0.024 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

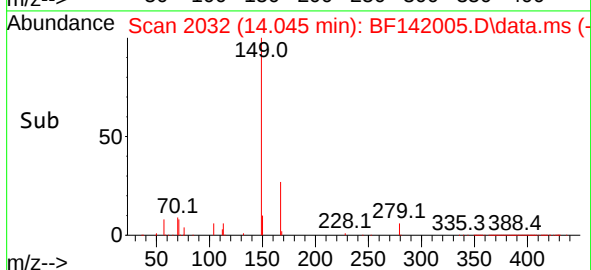
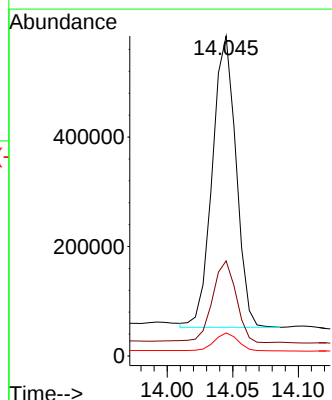
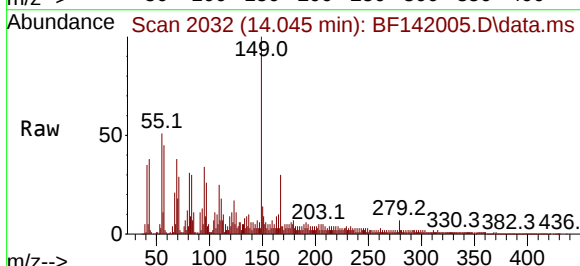
Tgt Ion:149 Resp: 669854

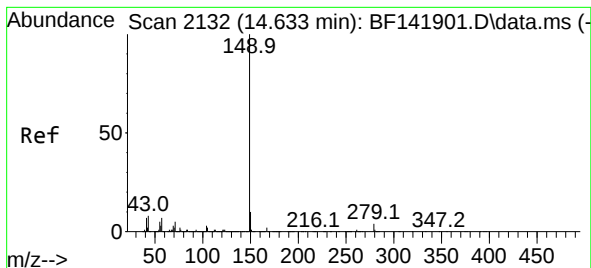
Ion Ratio Lower Upper

149 100

167 29.7 21.4 32.0

279 7.2 3.8 5.6#





#85

Di-n-octyl phthalate

Concen: 39.528 ng

RT: 14.645 min Scan# 2132

Delta R.T. 0.012 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

Instrument :

BNA_F

ClientSampleId :

72-11944MSD

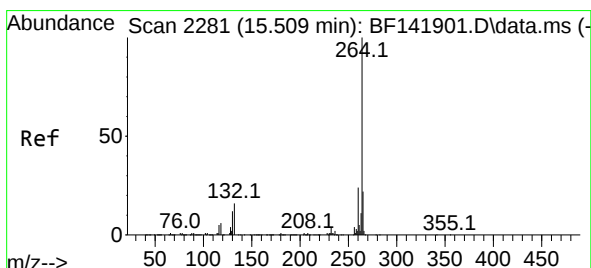
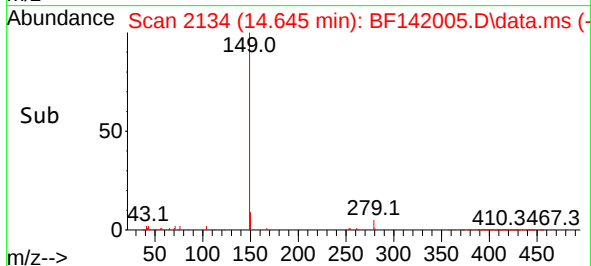
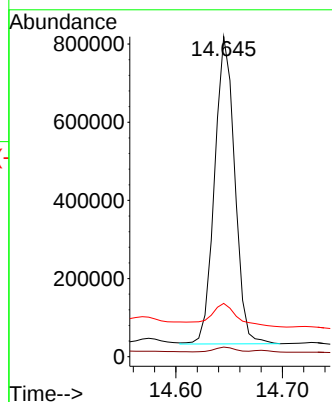
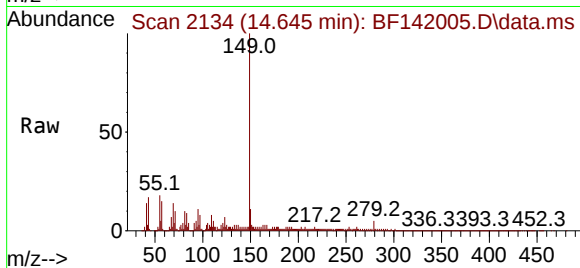
Tgt Ion:149 Resp: 1032746

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.6 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. 0.030 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

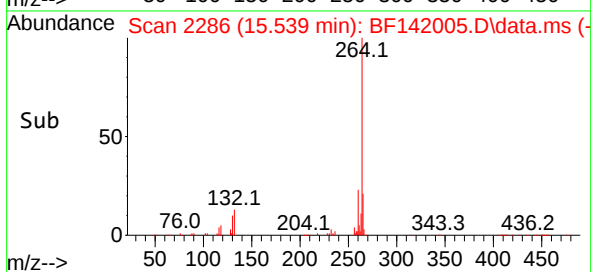
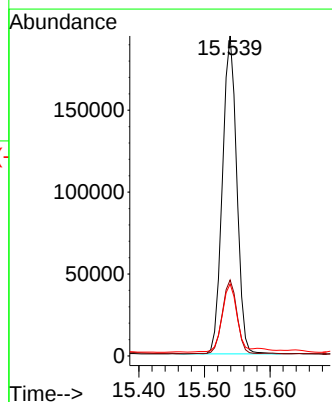
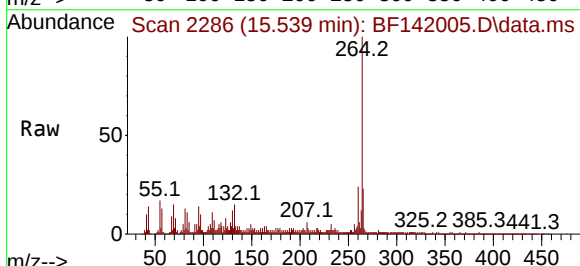
Tgt Ion:264 Resp: 293202

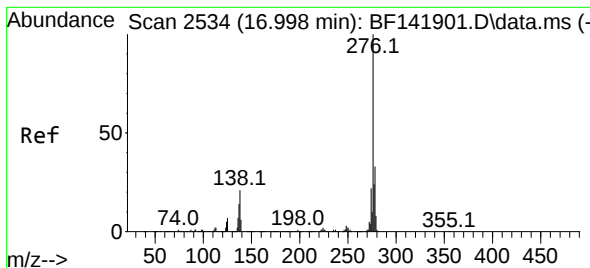
Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

265 22.5 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.391 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

Instrument :

BNA_F

ClientSampleId :

72-11944MSD

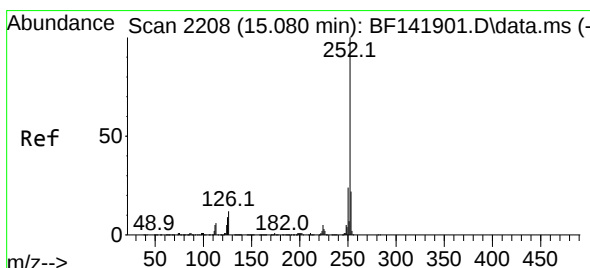
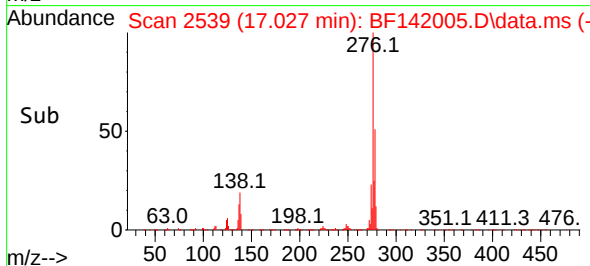
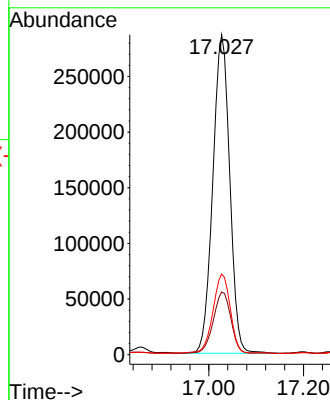
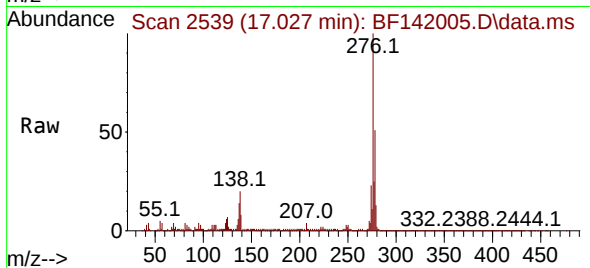
Tgt Ion:276 Resp: 709178

Ion Ratio Lower Upper

276 100

138 19.7 18.4 27.6

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 51.142 ng

RT: 15.110 min Scan# 2213

Delta R.T. 0.030 min

Lab File: BF142005.D

Acq: 19 Mar 2025 14:45

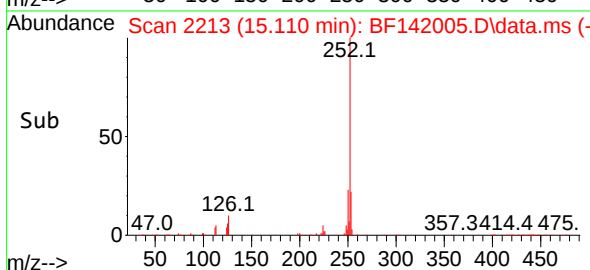
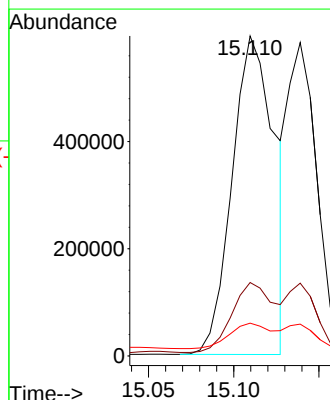
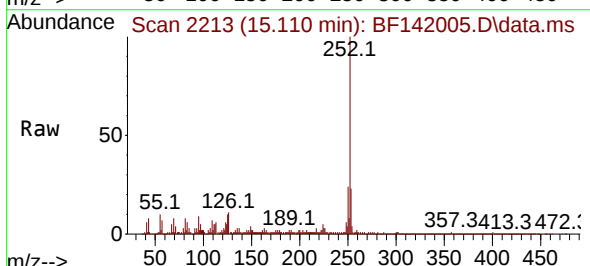
Tgt Ion:252 Resp: 1027680

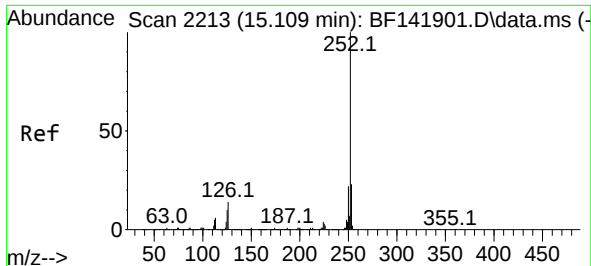
Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 10.3 7.0 10.4

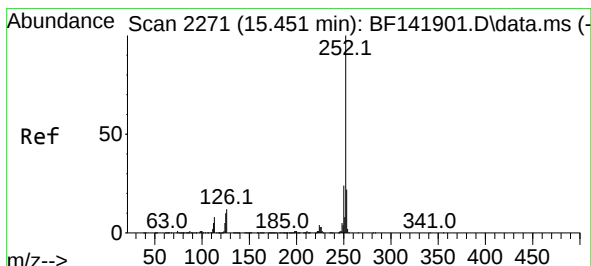
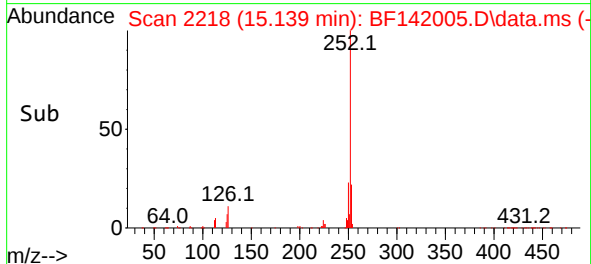
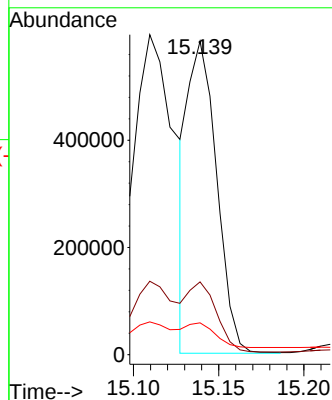
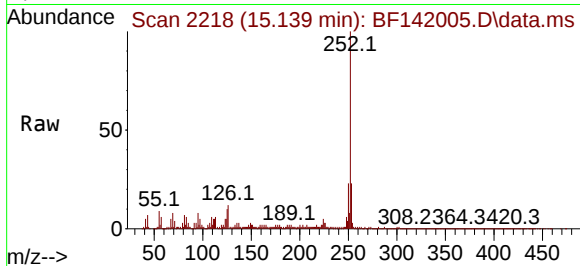




#89
Benzo(k)fluoranthene
Concen: 39.881 ng
RT: 15.139 min Scan# 21
Delta R.T. 0.030 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

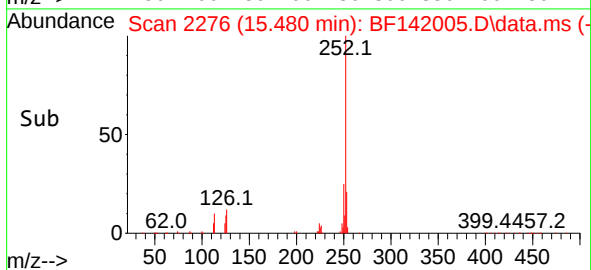
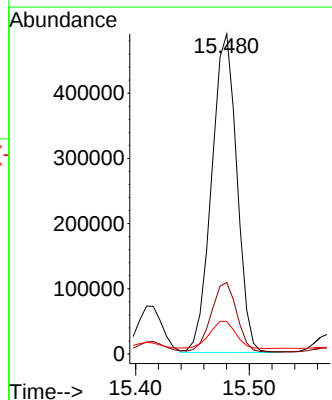
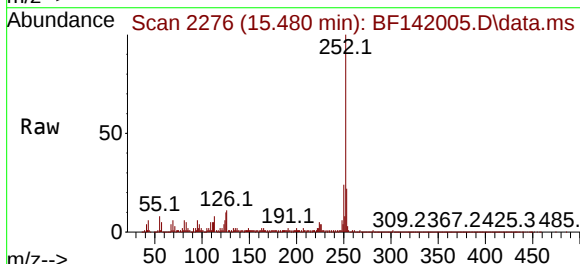
Instrument :
BNA_F
ClientSampleId :
72-11944MSD

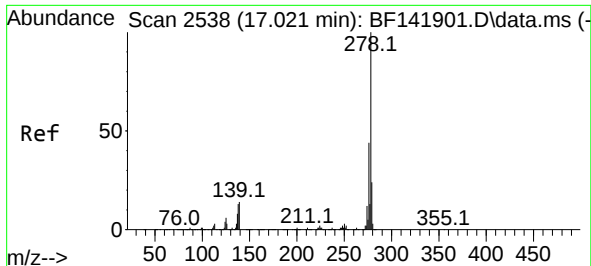
Tgt Ion:252 Resp: 685816
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 10.1 7.2 10.8



#90
Benzo(a)pyrene
Concen: 48.004 ng
RT: 15.480 min Scan# 2276
Delta R.T. 0.030 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion:252 Resp: 754780
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 10.1 7.8 11.8

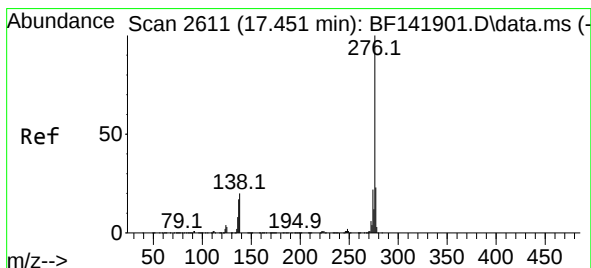
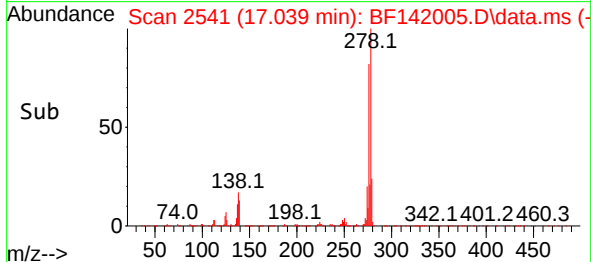
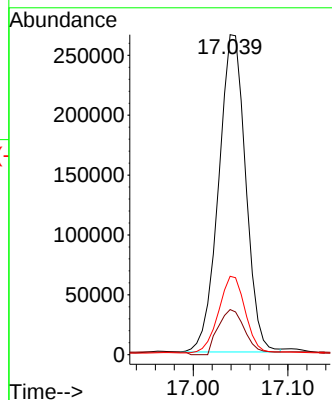
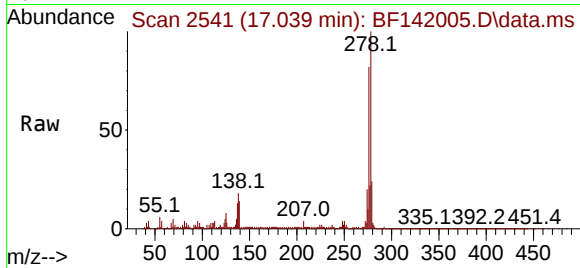




#91
Dibenzo(a,h)anthracene
Concen: 33.601 ng
RT: 17.039 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Instrument :
BNA_F
ClientSampleId :
72-11944MSD

Tgt Ion:278 Resp: 525827
Ion Ratio Lower Upper
278 100
139 14.1 11.4 17.2
279 24.5 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 35.774 ng
RT: 17.480 min Scan# 2616
Delta R.T. 0.030 min
Lab File: BF142005.D
Acq: 19 Mar 2025 14:45

Tgt Ion:276 Resp: 553232
Ion Ratio Lower Upper
276 100
277 24.2 18.7 28.1
138 17.2 15.8 23.8

