

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141346.D
 Acq On : 31 Jan 2025 21:50
 Operator : RC/JU
 Sample : Q1239-10MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 357MSD

Quant Time: Jan 31 22:33:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	149445	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	587795	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	309142	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	457150	20.000	ng	0.00
76) Chrysene-d12	13.968	240	288493	20.000	ng	0.00
86) Perylene-d12	15.421	264	294341	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	817350	83.964	ng	0.01
7) Phenol-d6	6.440	99	1015815	82.029	ng	0.00
23) Nitrobenzene-d5	7.363	82	645753	57.914	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	238319	84.089	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1113958	55.463	ng	0.00
79) Terphenyl-d14	12.910	244	929665	49.697	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.575	88	173333	40.487	ng	99
3) Pyridine	3.299	79	405752	39.336	ng	99
4) n-Nitrosodimethylamine	3.246	42	237487	40.302	ng	99
6) Aniline	6.463	93	341319	32.561	ng	# 41
8) 2-Chlorophenol	6.592	128	422311	40.476	ng	96
9) Benzaldehyde	6.345	77	330994	46.144	ng	100
10) Phenol	6.457	94	511311	38.950	ng	75
11) bis(2-Chloroethyl)ether	6.534	93	403100	40.049	ng	99
12) 1,3-Dichlorobenzene	6.740	146	431562	37.513	ng	99
13) 1,4-Dichlorobenzene	6.816	146	436369	37.758	ng	100
14) 1,2-Dichlorobenzene	6.969	146	419896	38.800	ng	99
15) Benzyl Alcohol	6.945	79	358554	42.368	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	683880	39.073	ng	57
17) 2-Methylphenol	7.069	107	324783	38.300	ng	# 88
18) Hexachloroethane	7.310	117	164414	38.563	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	294396	40.008	ng	97
20) 3+4-Methylphenols	7.222	107	430429	41.340	ng	# 75
22) Acetophenone	7.210	105	625290	44.754	ng	# 94
24) Nitrobenzene	7.381	77	444284	38.450	ng	100
25) Isophorone	7.622	82	784855	40.721	ng	99
26) 2-Nitrophenol	7.698	139	223815	41.071	ng	100
27) 2,4-Dimethylphenol	7.745	122	337613	48.674	ng	99
28) bis(2-Chloroethoxy)met...	7.834	93	494323	40.208	ng	99
29) 2,4-Dichlorophenol	7.951	162	343871	40.495	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	359792	37.101	ng	100
31) Naphthalene	8.104	128	1180291	38.011	ng	100
32) Benzoic acid	7.869	122	280637	44.012	ng	98
33) 4-Chloroaniline	8.151	127	106653	10.129	ng	99
34) Hexachlorobutadiene	8.222	225	215053	37.815	ng	99
35) Caprolactam	8.528	113	128967	46.504	ng	96
36) 4-Chloro-3-methylphenol	8.651	107	358605	39.371	ng	99
37) 2-Methylnaphthalene	8.792	142	745370	37.767	ng	99
38) 1-Methylnaphthalene	8.892	142	725077	37.401	ng	100
40) 1,2,4,5-Tetrachloroben...	8.963	216	379280	43.126	ng	99
41) Hexachlorocyclopentadiene	8.945	237	372270	143.327	ng	100
43) 2,4,6-Trichlorophenol	9.075	196	235734	40.951	ng	99

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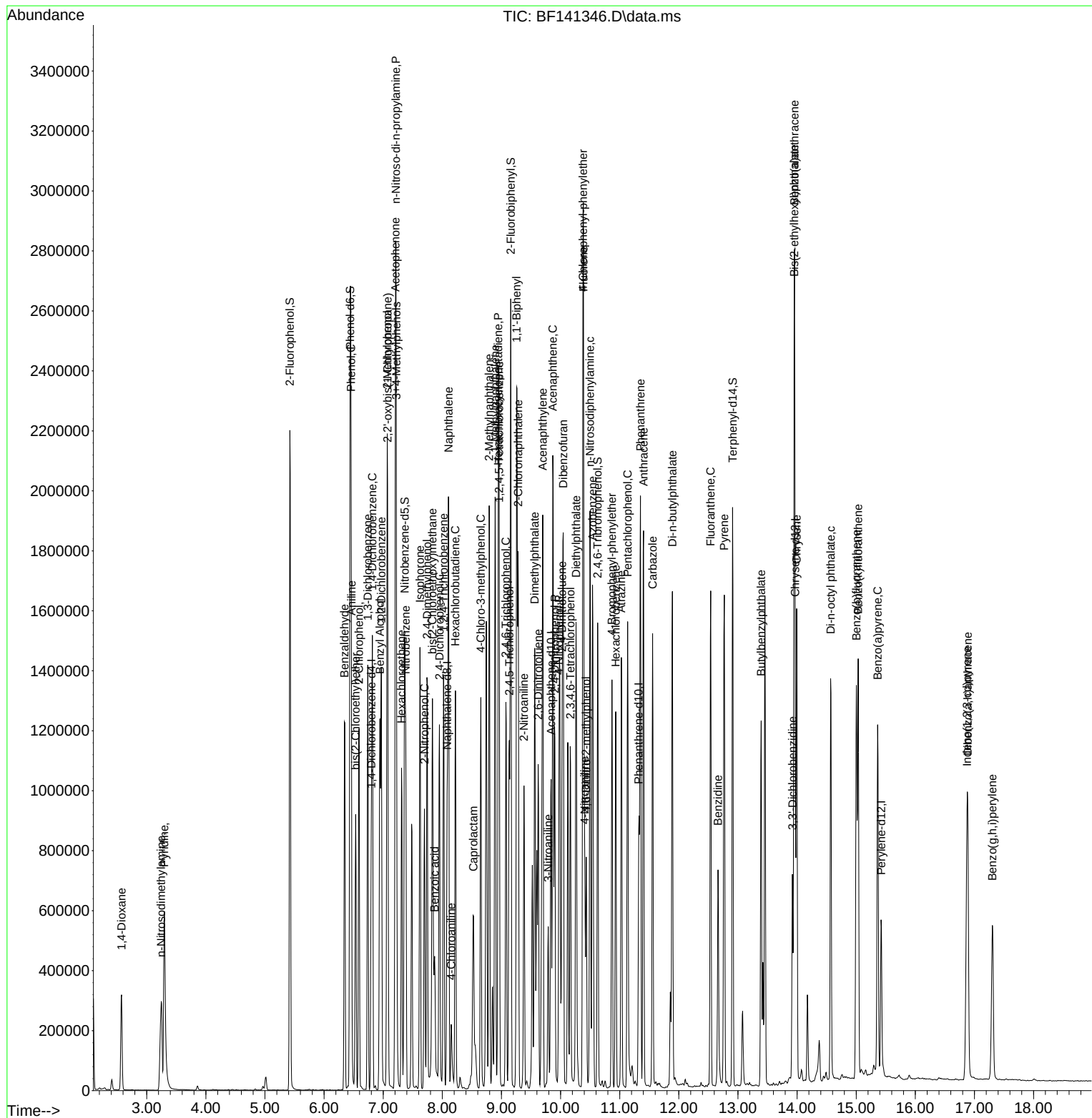
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	251331	40.115	ng	98
46) 1,1'-Biphenyl	9.257	154	1056092	43.804	ng	100
47) 2-Chloronaphthalene	9.281	162	715690	38.085	ng	99
48) 2-Nitroaniline	9.381	65	239299	40.485	ng	98
49) Acenaphthylene	9.698	152	1105725	42.034	ng	100
50) Dimethylphthalate	9.563	163	854897	40.945	ng	100
51) 2,6-Dinitrotoluene	9.622	165	186941	38.561	ng	97
52) Acenaphthene	9.869	154	710920	37.830	ng	100
53) 3-Nitroaniline	9.792	138	111619	23.491	ng	99
54) 2,4-Dinitrophenol	9.904	184	223971	99.384	ng	99
55) Dibenzofuran	10.045	168	979869	38.954	ng	99
56) 4-Nitrophenol	9.975	139	255108	73.413	ng	97
57) 2,4-Dinitrotoluene	10.028	165	247592	39.446	ng	98
58) Fluorene	10.386	166	746386	38.252	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	208581	42.317	ng	97
60) Diethylphthalate	10.263	149	814729	40.244	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	363176	38.104	ng	99
62) 4-Nitroaniline	10.410	138	172114	36.844	ng	99
63) Azobenzene	10.539	77	885591	43.701	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	140399	51.922	ng	98
66) n-Nitrosodiphenylamine	10.498	169	667697	45.158	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	227064	44.366	ng	97
68) Hexachlorobenzene	10.933	284	227552	41.915	ng	99
69) Atrazine	11.027	200	237625	48.067	ng	99
70) Pentachlorophenol	11.133	266	266010	83.676	ng	99
71) Phenanthrene	11.351	178	1050315	42.741	ng	99
72) Anthracene	11.404	178	1053645	43.760	ng	100
73) Carbazole	11.557	167	833117	39.021	ng	99
74) Di-n-butylphthalate	11.892	149	1136082	43.908	ng	100
75) Fluoranthene	12.539	202	950787	39.185	ng	100
77) Benzidine	12.663	184	402266	43.495	ng	99
78) Pyrene	12.769	202	947624	34.219	ng	99
80) Butylbenzylphthalate	13.392	149	380601	39.340	ng	100
81) Benzo(a)anthracene	13.957	228	783821	39.373	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	202580	31.995	ng	99
83) Chrysene	13.992	228	759093	41.606	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	505063	41.154	ng	99
85) Di-n-octyl phthalate	14.568	149	898058	47.113	ng	99
87) Indeno(1,2,3-cd)pyrene	16.874	276	622389	32.762	ng	99
88) Benzo(b)fluoranthene	15.004	252	775353	41.877	ng	99
89) Benzo(k)fluoranthene	15.033	252	772232	47.082	ng	100
90) Benzo(a)pyrene	15.362	252	706630	45.164	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	504206	32.989	ng	99
92) Benzo(g,h,i)perylene	17.304	276	466099	29.328	ng	99

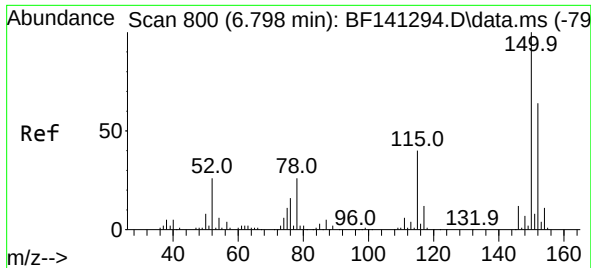
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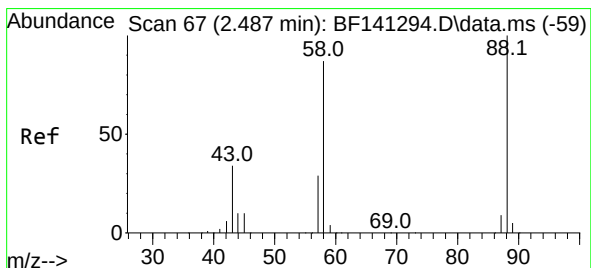
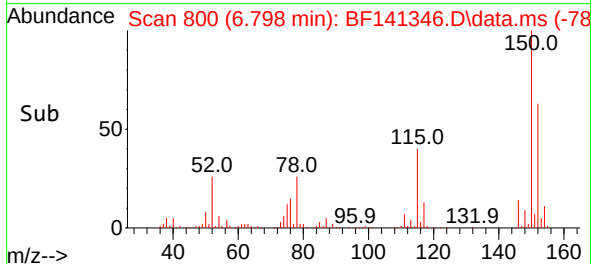
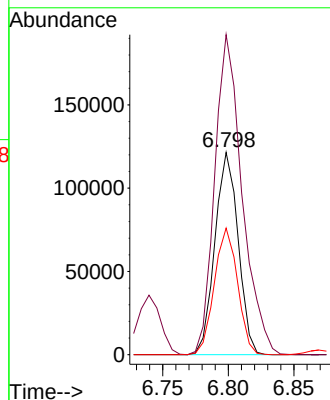
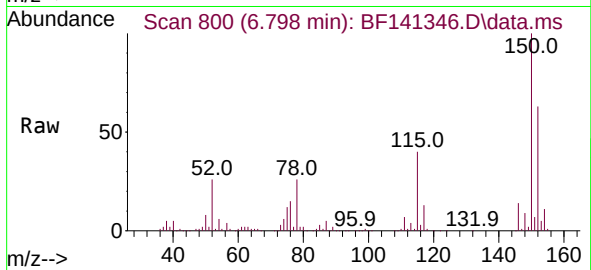




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF141346.D
 Acq: 31 Jan 2025 21:50

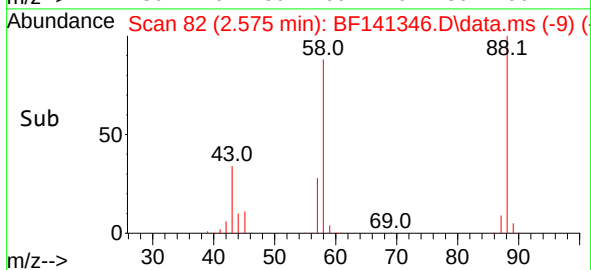
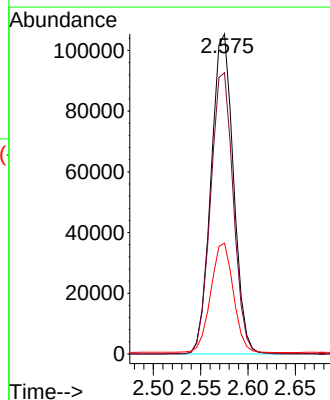
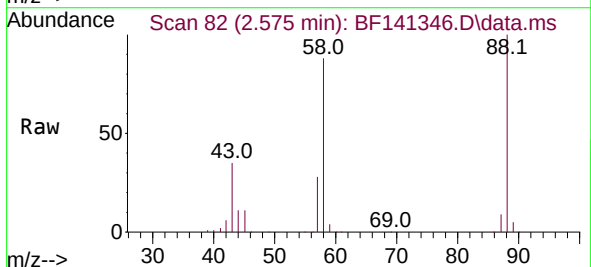
Instrument :
 BNA_F
 ClientSampleId :
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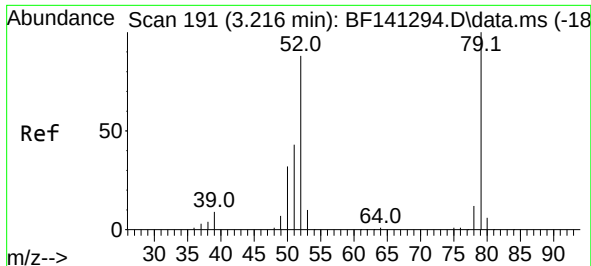
Tgt Ion:152 Resp: 149445
 Ion Ratio Lower Upper
 152 100
 150 158.2 125.9 188.9
 115 62.5 49.7 74.5



#2
 1,4-Dioxane
 Concen: 40.487 ng
 RT: 2.575 min Scan# 82
 Delta R.T. 0.082 min
 Lab File: BF141346.D
 Acq: 31 Jan 2025 21:50

Tgt Ion: 88 Resp: 173333
 Ion Ratio Lower Upper
 88 100
 58 89.4 70.2 105.4
 43 34.5 27.6 41.4

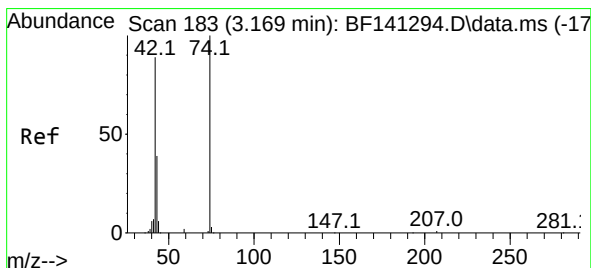
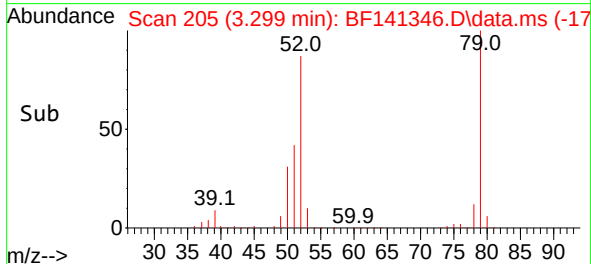
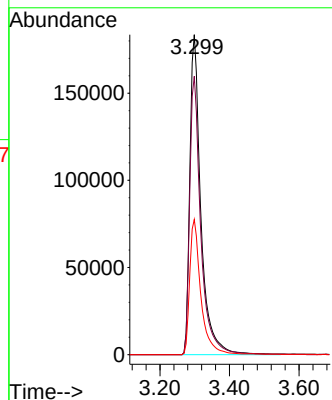
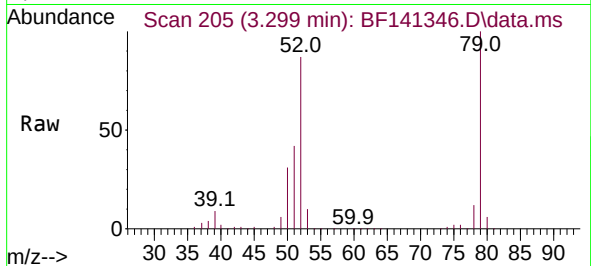




#3
Pyridine
Concen: 39.336 ng
RT: 3.299 min Scan# 205
Delta R.T. 0.070 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

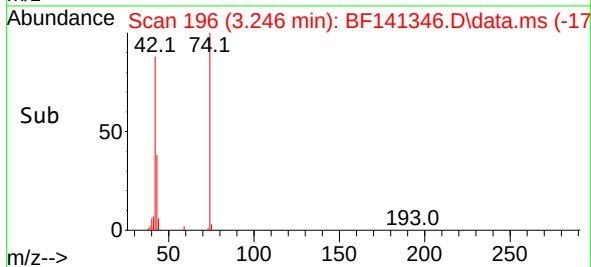
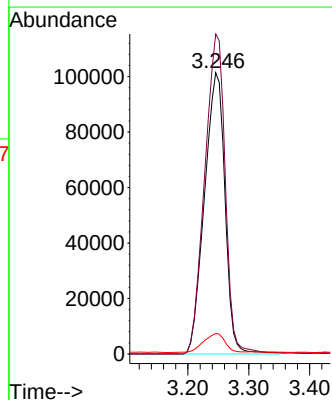
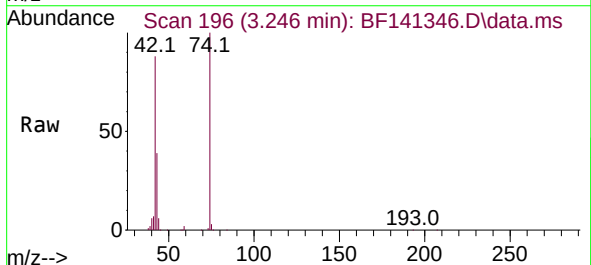
Instrument :
BNA_F
ClientSampleId :
357MSD

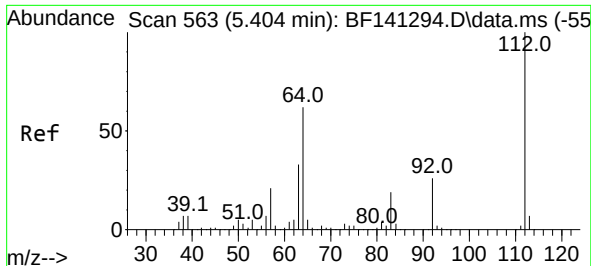
Tgt Ion: 79 Resp: 405752
Ion Ratio Lower Upper
79 100
52 87.0 70.3 105.5
51 42.3 34.3 51.5



#4
n-Nitrosodimethylamine
Concen: 40.302 ng
RT: 3.246 min Scan# 196
Delta R.T. 0.047 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 42 Resp: 237487
Ion Ratio Lower Upper
42 100
74 113.8 90.3 135.5
44 7.3 5.7 8.5

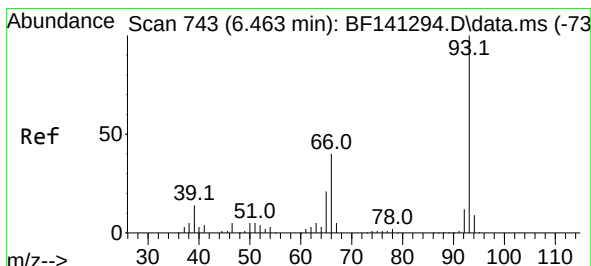
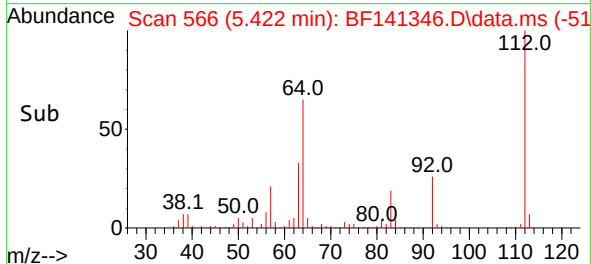
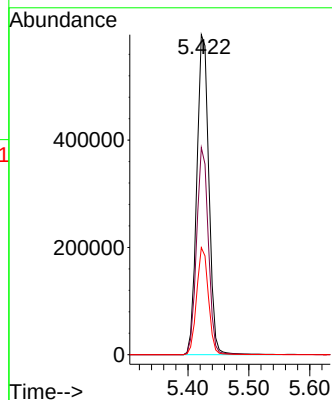
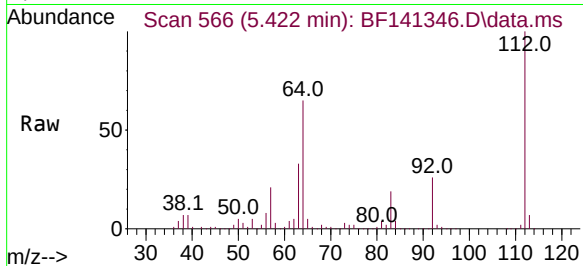




#5
2-Fluorophenol
Concen: 83.964 ng
RT: 5.422 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

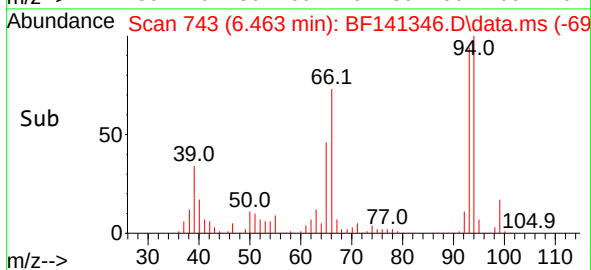
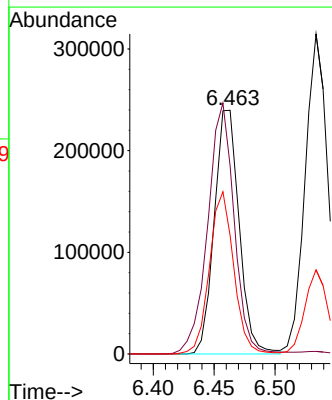
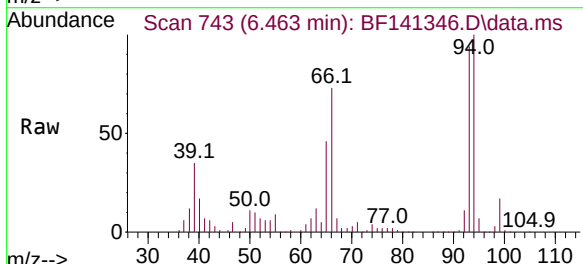
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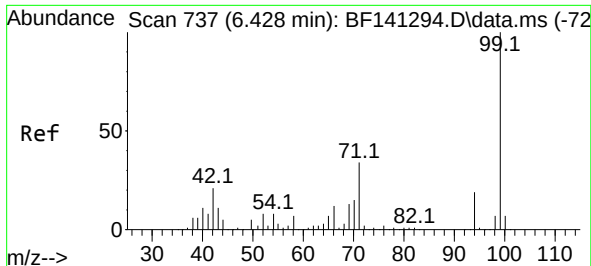
Tgt Ion:112 Resp: 817350
Ion Ratio Lower Upper
112 100
64 64.7 49.8 74.8
63 33.4 26.1 39.1



#6
Aniline
Concen: 32.561 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 93 Resp: 341319
Ion Ratio Lower Upper
93 100
66 77.2 32.5 48.7#
65 48.6 17.0 25.6#

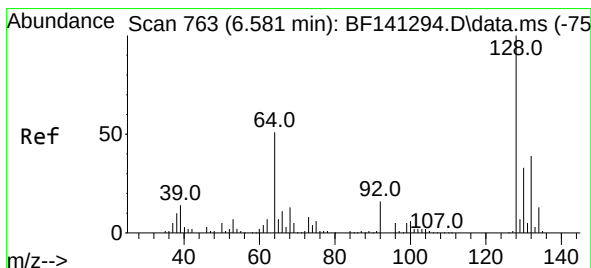
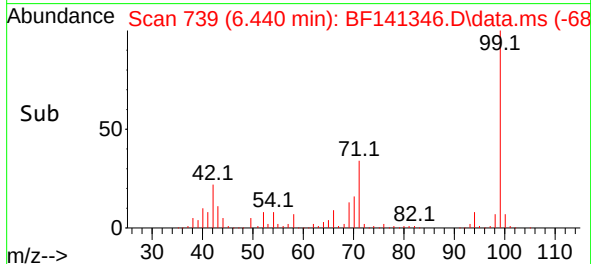
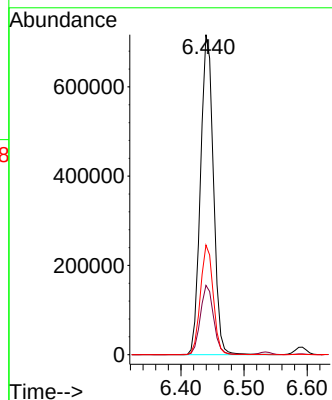
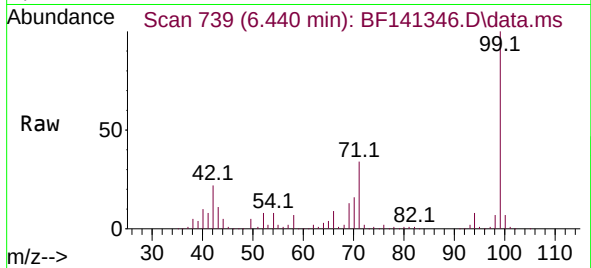




#7
Phenol-d6
Concen: 82.029 ng
RT: 6.440 min Scan# 715
Delta R.T. -0.000 min
Lab File: BF141346.D
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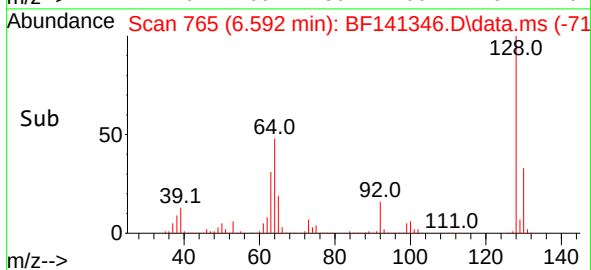
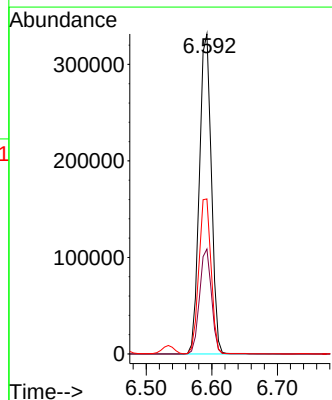
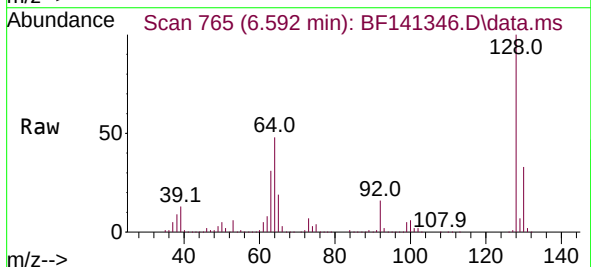
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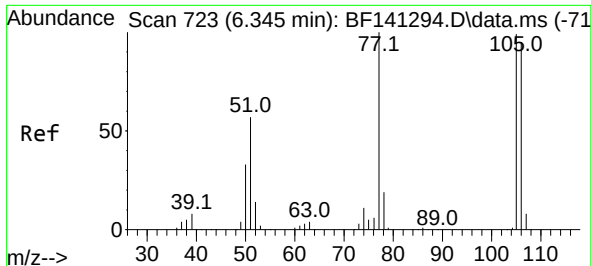
Tgt Ion: 99 Resp: 1015815
Ion Ratio Lower Upper
99 100
42 21.6 17.1 25.7
71 34.2 26.9 40.3



#8
2-Chlorophenol
Concen: 40.476 ng
RT: 6.592 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF141346.D
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Tgt Ion: 128 Resp: 422311
Ion Ratio Lower Upper
128 100
130 32.8 12.5 52.5
64 48.5 32.9 72.9





#9

Benzaldehyde

Concen: 46.144 ng

RT: 6.345 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141346.D

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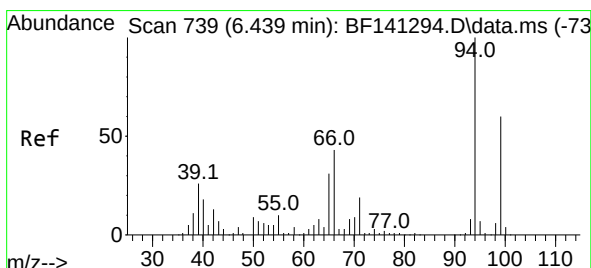
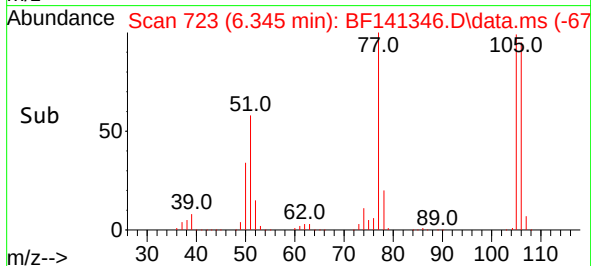
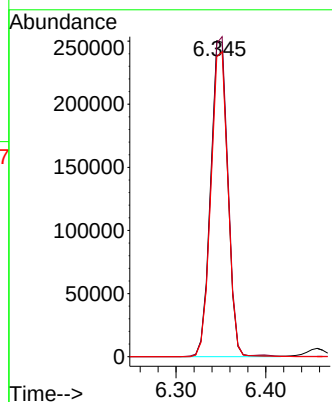
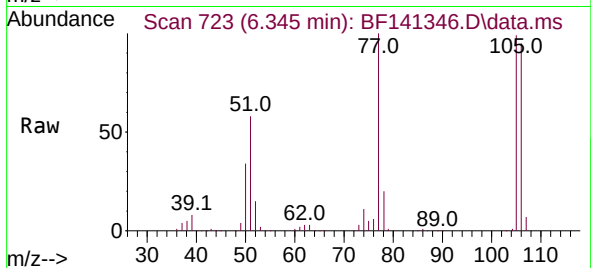
Tgt Ion: 77 Resp: 330994

Ion Ratio Lower Upper

77 100

105 99.2 79.4 119.4

106 94.9 74.6 114.6



#10

Phenol

Concen: 38.950 ng

RT: 6.457 min Scan# 742

Delta R.T. 0.006 min

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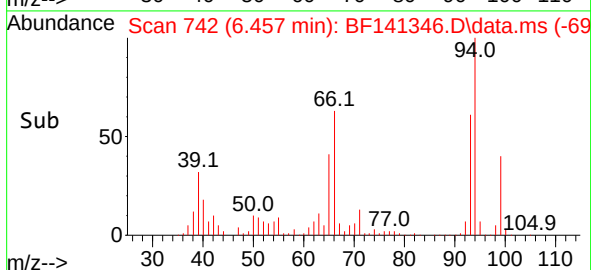
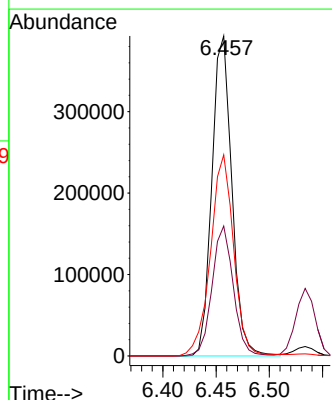
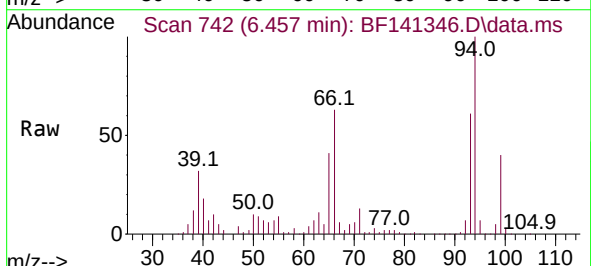
Tgt Ion: 94 Resp: 511311

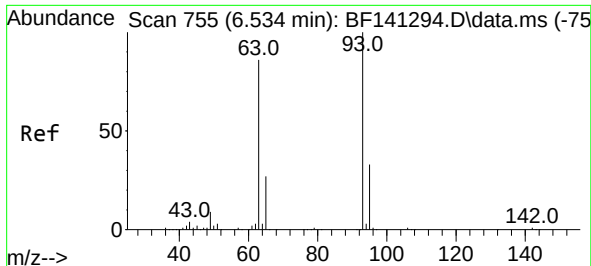
Ion Ratio Lower Upper

94 100

65 40.6 10.8 50.8

66 62.9 23.3 63.3





#11

bis(2-Chloroethyl)ether

Concen: 40.049 ng

RT: 6.534 min Scan# 755

Delta R.T. -0.012 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

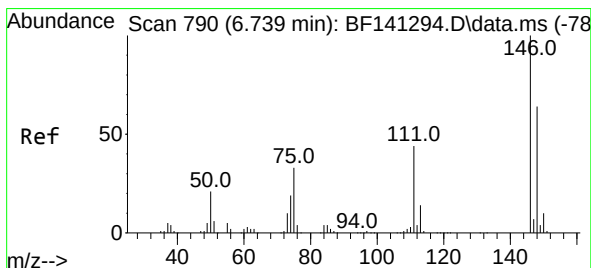
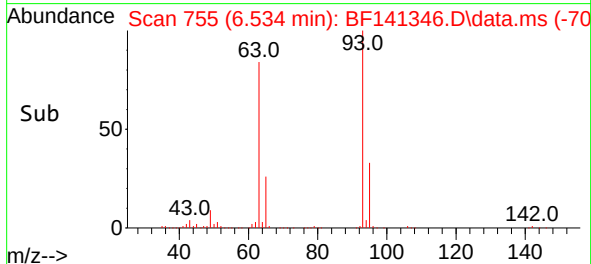
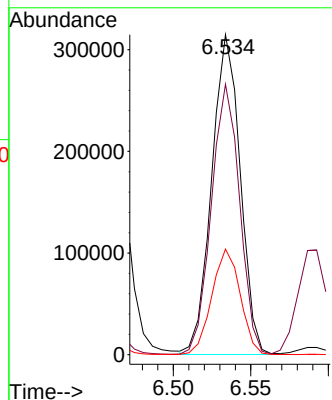
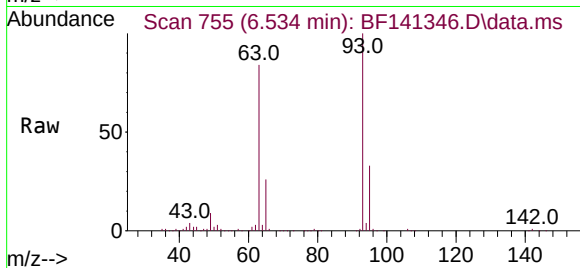
Tgt Ion: 93 Resp: 403100

Ion Ratio Lower Upper

93 100

63 84.5 65.0 105.0

95 33.0 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 37.513 ng

RT: 6.740 min Scan# 790

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

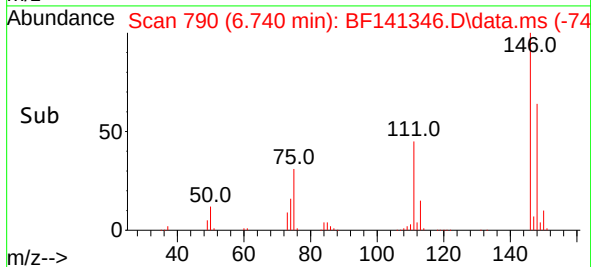
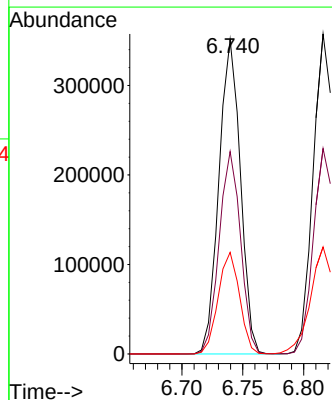
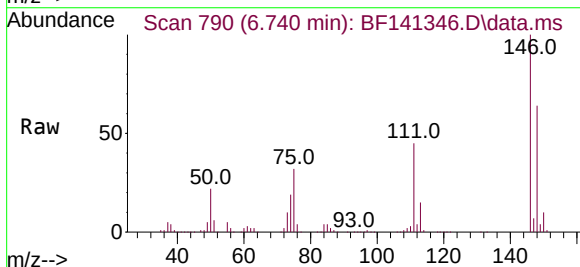
Tgt Ion: 146 Resp: 431562

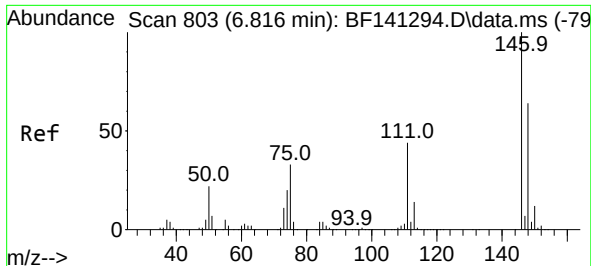
Ion Ratio Lower Upper

146 100

148 64.3 51.2 76.8

75 32.3 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 37.758 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

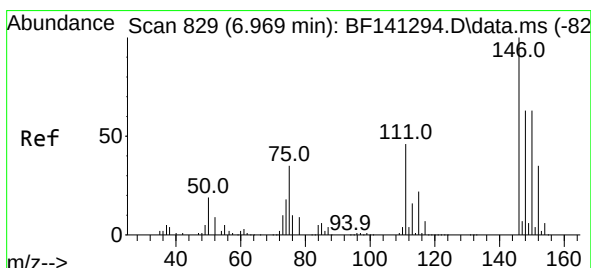
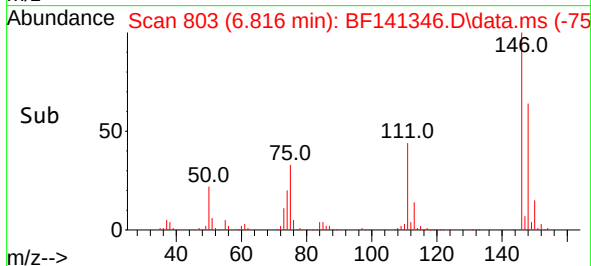
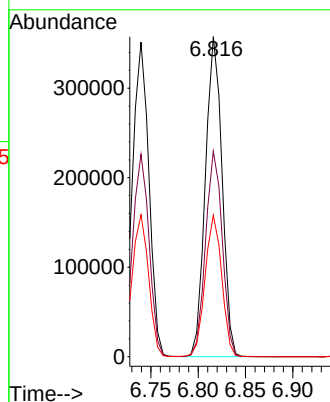
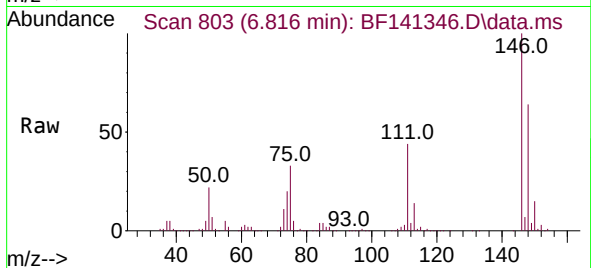
Tgt Ion:146 Resp: 436369

Ion Ratio Lower Upper

146 100

148 64.2 51.2 76.8

111 44.2 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 38.800 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

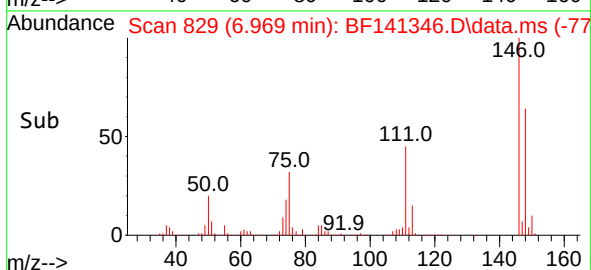
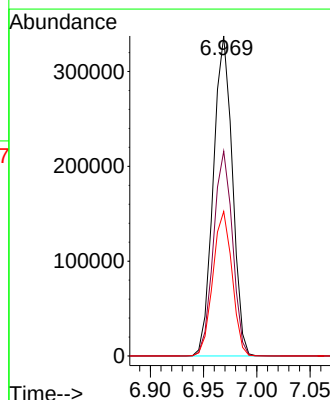
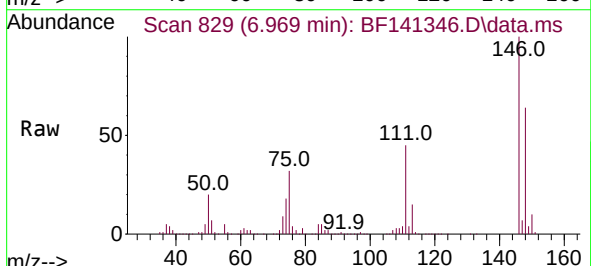
Tgt Ion:146 Resp: 419896

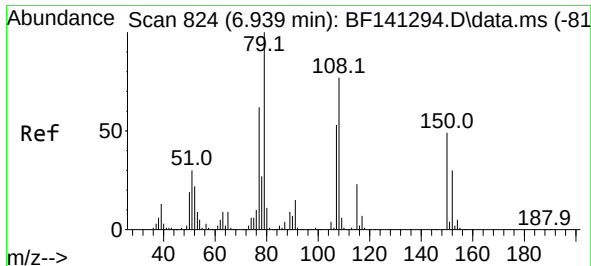
Ion Ratio Lower Upper

146 100

148 64.0 50.5 75.7

111 45.2 36.6 55.0

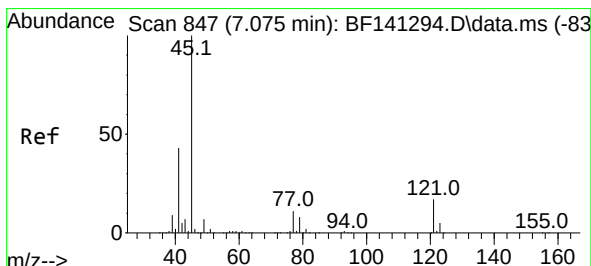
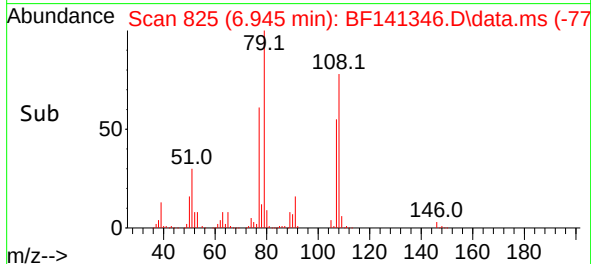
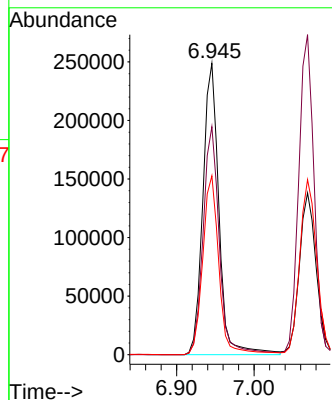
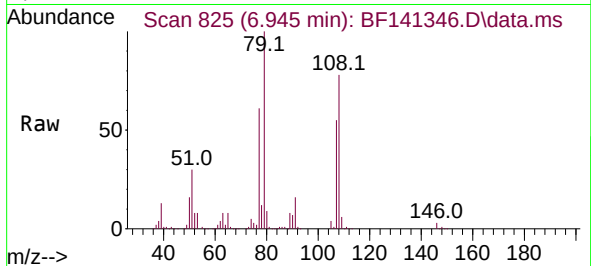




#15
Benzyl Alcohol
Concen: 42.368 ng
RT: 6.945 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

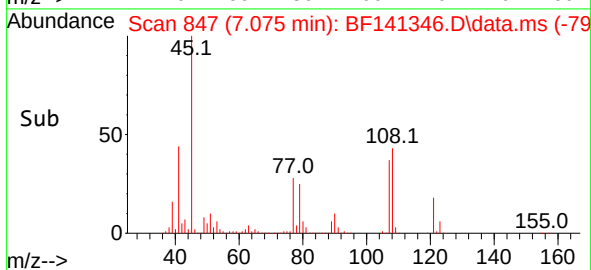
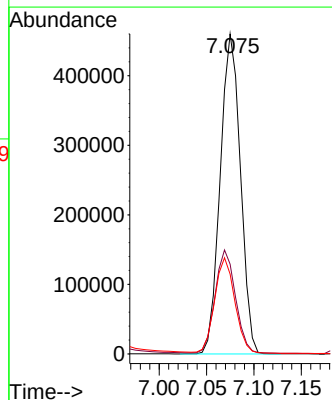
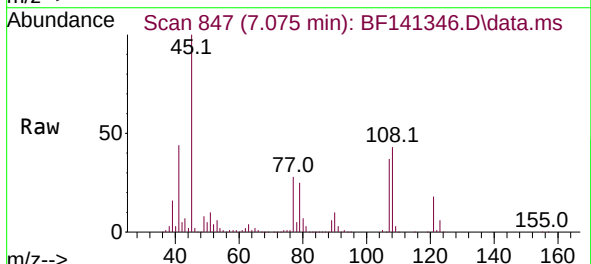
Instrument :
BNA_F
ClientSampleId :
357MSD

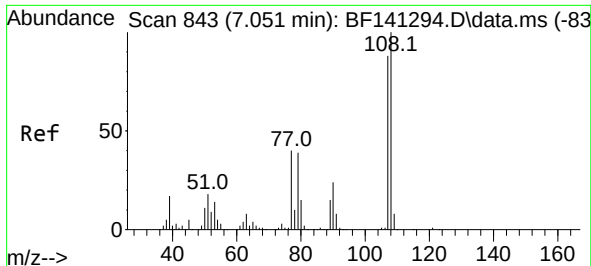
Tgt Ion: 79 Resp: 358554
Ion Ratio Lower Upper
79 100
108 78.3 61.4 92.0
77 61.4 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.073 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 45 Resp: 683880
Ion Ratio Lower Upper
45 100
77 28.1 0.0 31.8
79 24.9 0.0 29.1

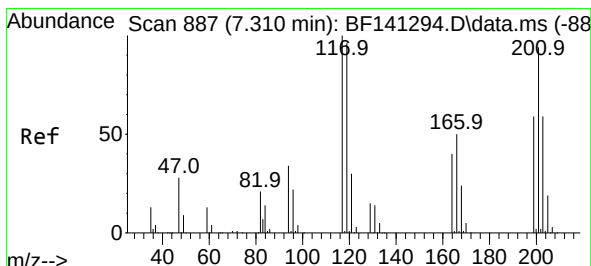
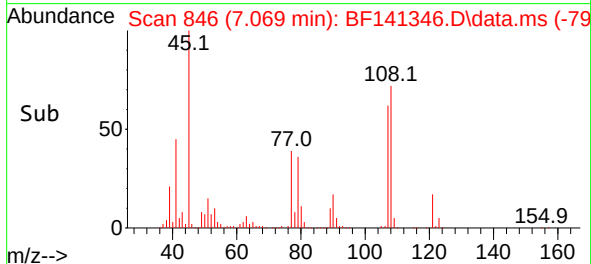
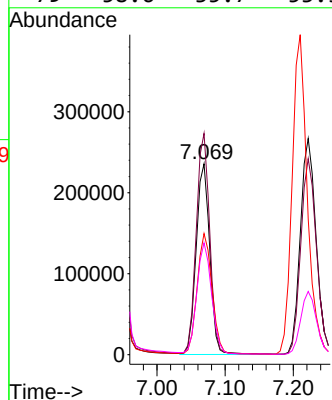
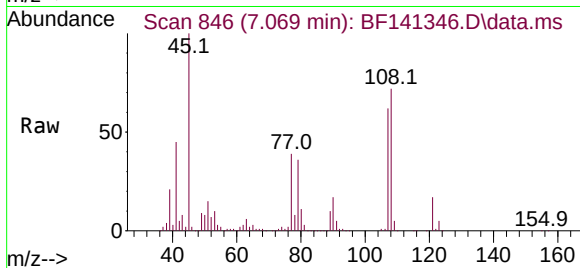




#17
2-Methylphenol
Concen: 38.300 ng
RT: 7.069 min Scan# 843
Delta R.T. 0.012 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

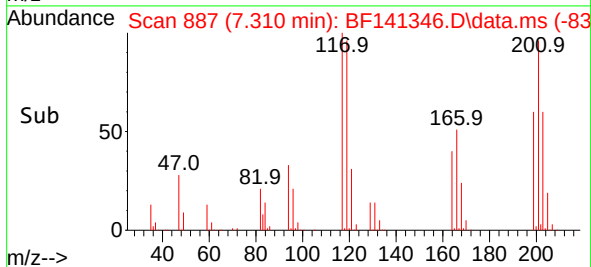
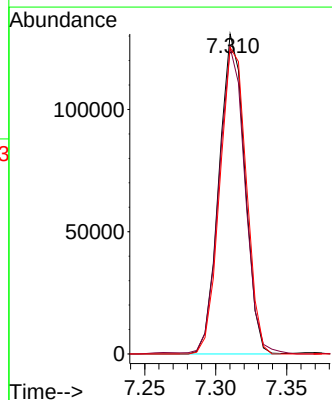
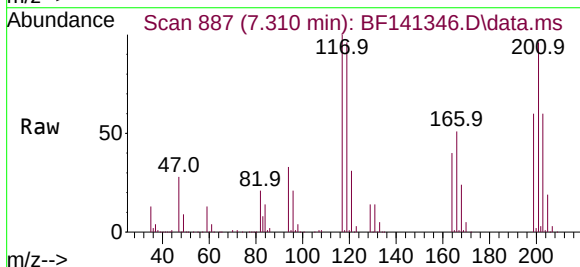
Instrument :
BNA_F
ClientSampleId :
357MSD

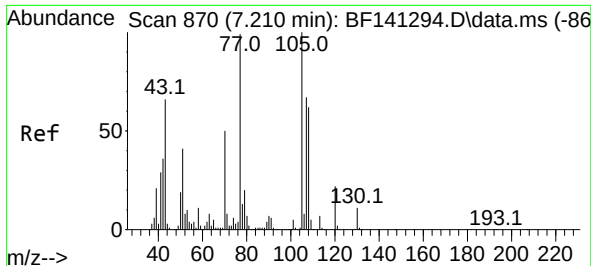
Tgt Ion:107 Resp: 324783
Ion Ratio Lower Upper
107 100
108 115.9 90.8 136.2
77 63.4 36.2 54.4#
79 58.6 35.7 53.5#



#18
Hexachloroethane
Concen: 38.563 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:117 Resp: 164414
Ion Ratio Lower Upper
117 100
119 95.8 76.6 114.8
201 95.8 74.8 112.2

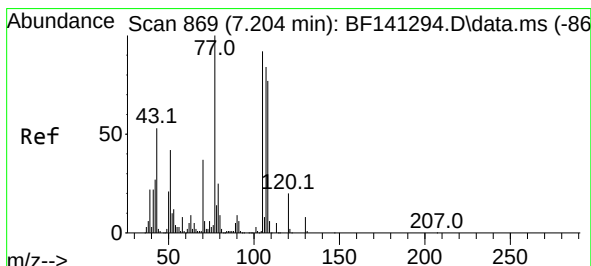
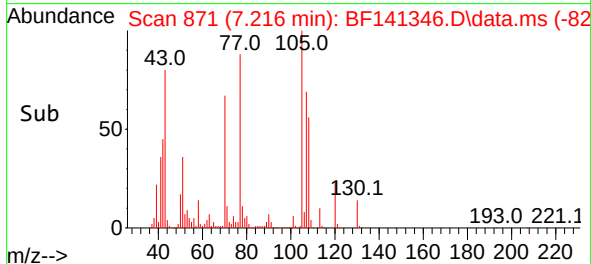
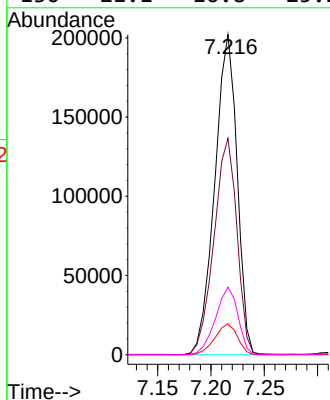
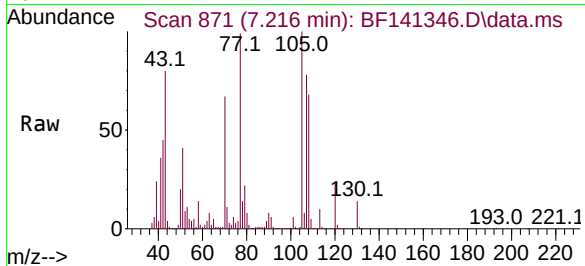




#19
n-Nitroso-di-n-propylamine
Concen: 40.008 ng
RT: 7.216 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

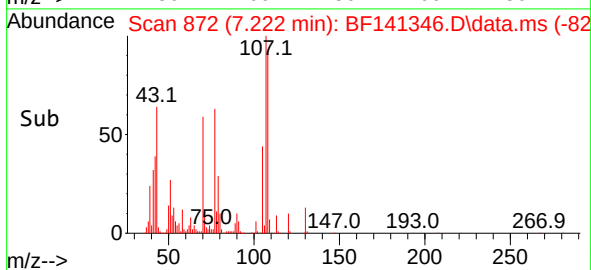
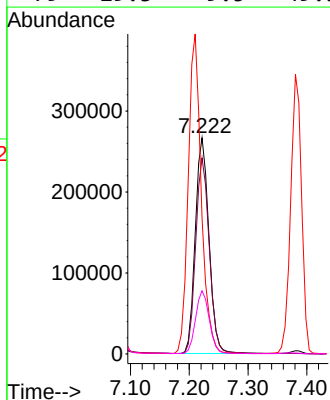
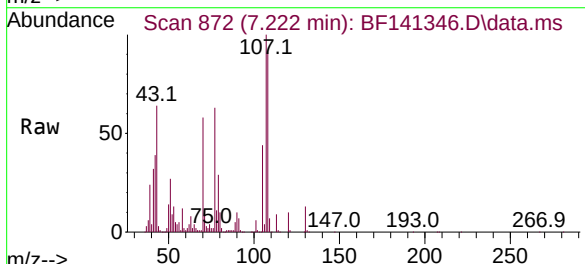
Instrument :
BNA_F
ClientSampleId :
357MSD

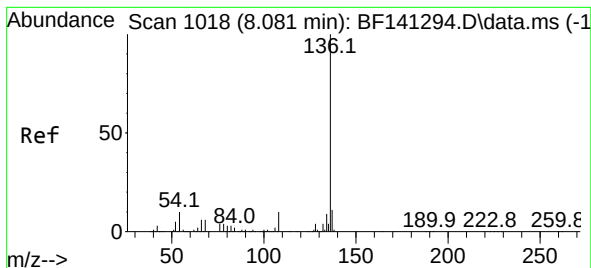
Tgt Ion: 70 Resp: 294396
Ion Ratio Lower Upper
70 100
42 67.6 56.8 85.2
101 9.7 7.7 11.5
130 21.1 16.8 25.2



#20
3+4-Methylphenols
Concen: 41.340 ng
RT: 7.222 min Scan# 872
Delta R.T. 0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 107 Resp: 430429
Ion Ratio Lower Upper
107 100
108 90.7 70.9 110.9
77 62.9 98.5 138.5#
79 29.3 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion:136 Resp: 587795

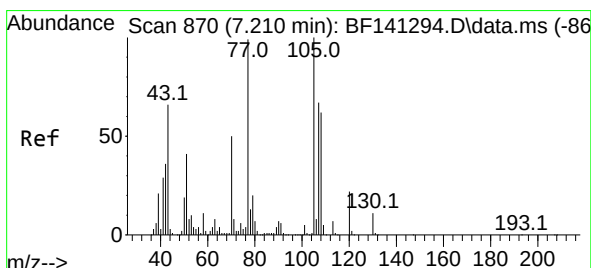
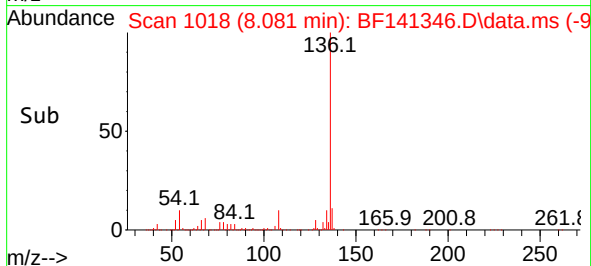
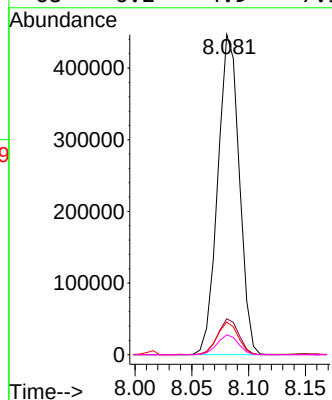
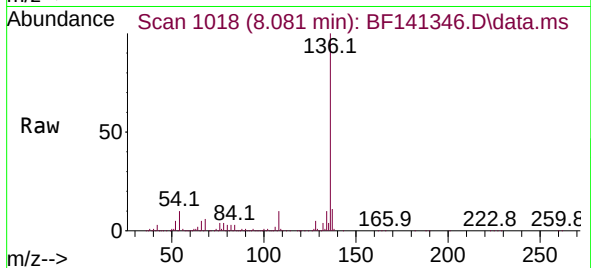
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 10.2 7.8 11.8

68 6.2 4.9 7.3



#22

Acetophenone

Concen: 44.754 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Tgt Ion:105 Resp: 625290

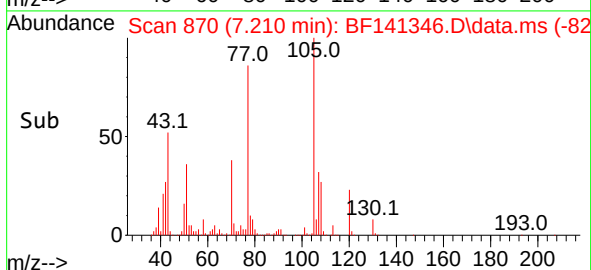
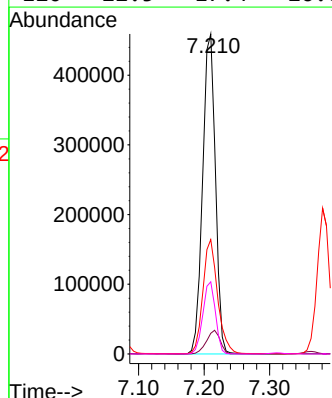
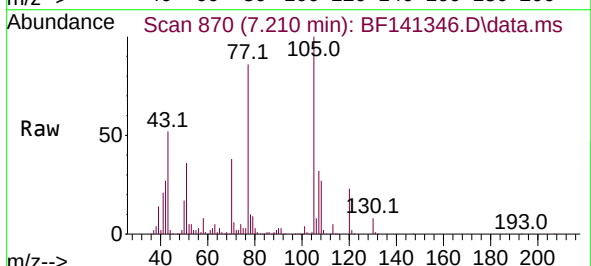
Ion Ratio Lower Upper

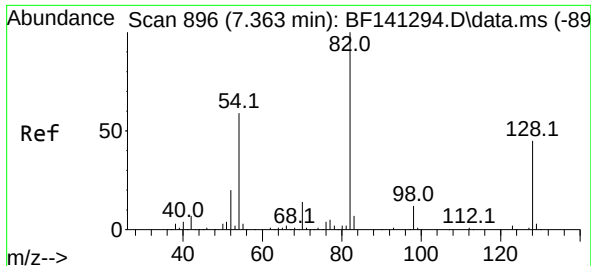
105 100

71 6.4 6.8 10.2#

51 35.8 32.6 49.0

120 22.5 17.4 26.0





#23

Nitrobenzene-d5

Concen: 57.914 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

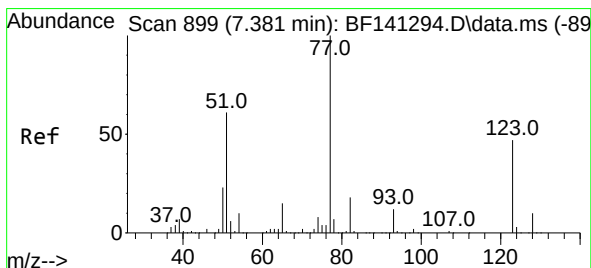
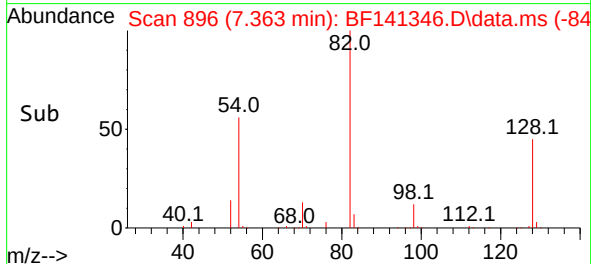
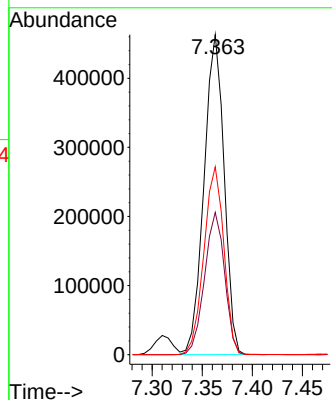
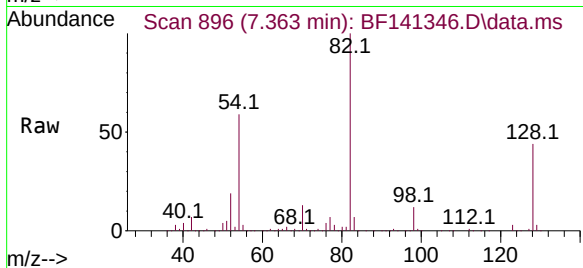
Tgt Ion: 82 Resp: 645753

Ion Ratio Lower Upper

82 100

128 44.4 35.7 53.5

54 58.7 47.1 70.7



#24

Nitrobenzene

Concen: 38.450 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

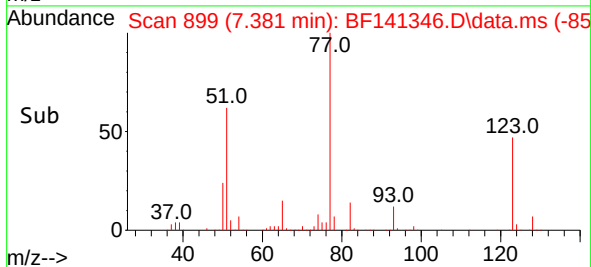
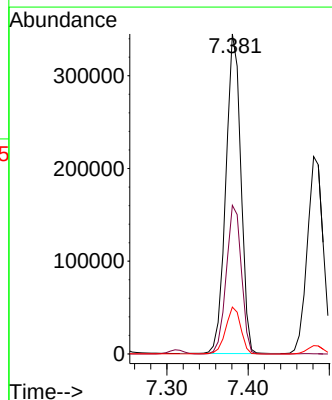
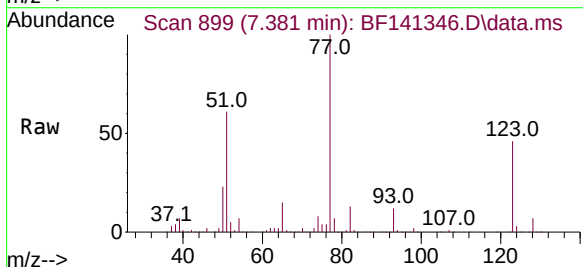
Tgt Ion: 77 Resp: 444284

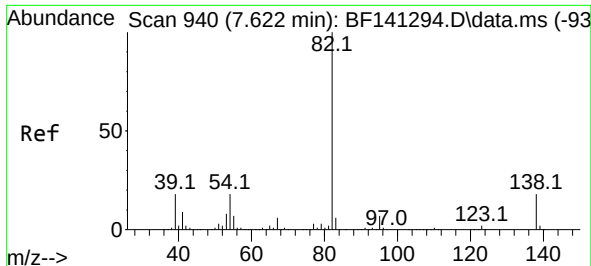
Ion Ratio Lower Upper

77 100

123 46.5 37.3 55.9

65 14.7 11.8 17.6

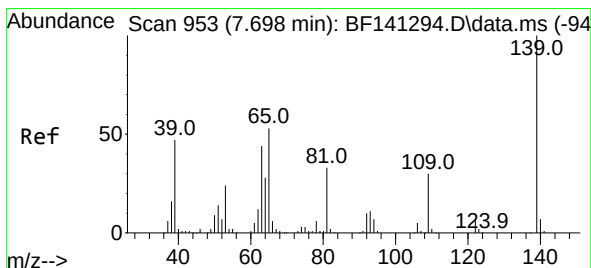
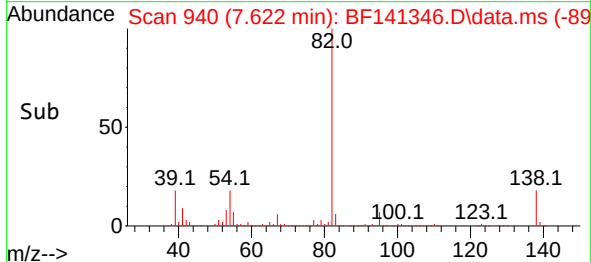
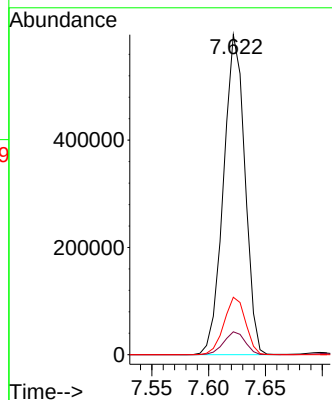
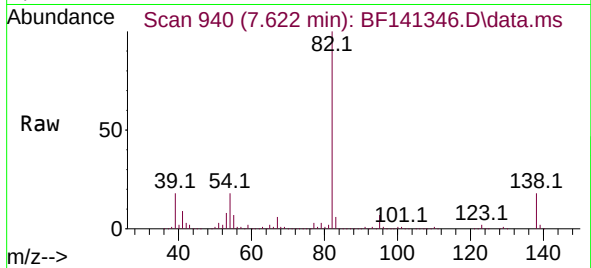




#25
Isophorone
Concen: 40.721 ng
RT: 7.622 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

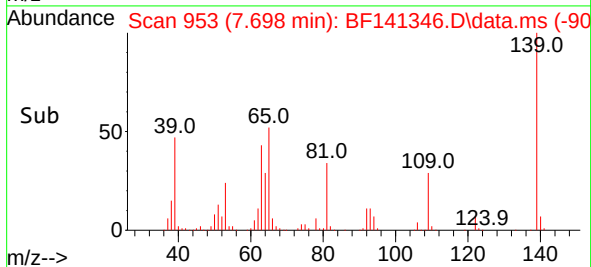
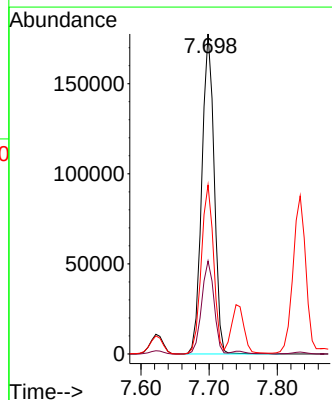
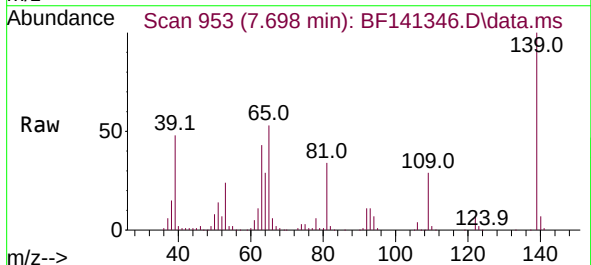
Instrument :
BNA_F
ClientSampleId :
357MSD

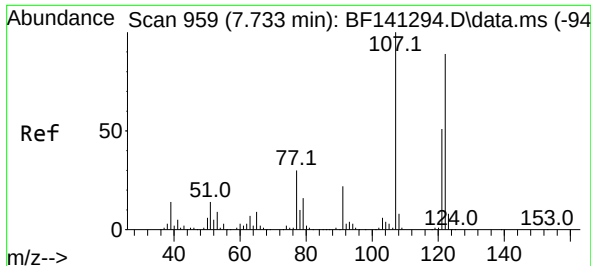
Tgt Ion: 82 Resp: 784855
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.6
138 18.0 14.7 22.1



#26
2-Nitrophenol
Concen: 41.071 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:139 Resp: 223815
Ion Ratio Lower Upper
139 100
109 29.1 23.8 35.6
65 52.8 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 48.674 ng

RT: 7.745 min Scan# 9

Delta R.T. 0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

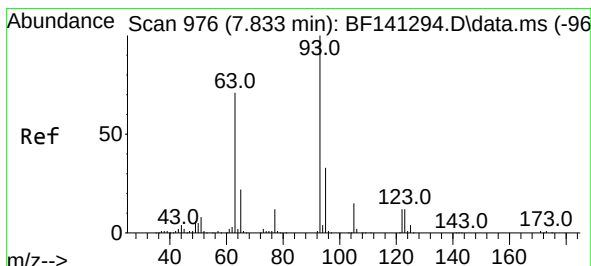
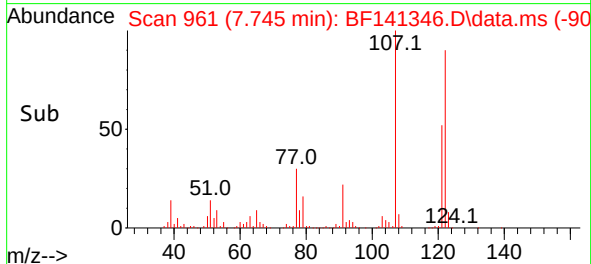
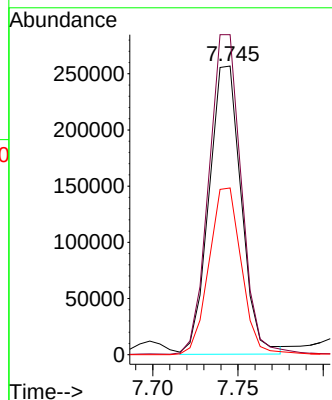
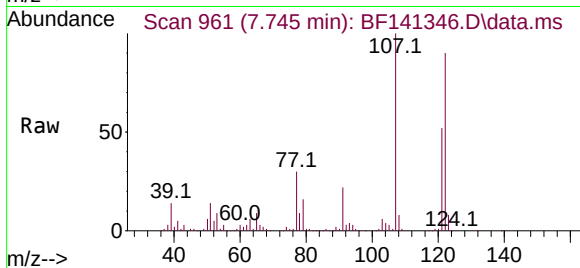
Tgt Ion:122 Resp: 337613

Ion Ratio Lower Upper

122 100

107 110.9 89.9 134.9

121 57.8 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 40.208 ng

RT: 7.834 min Scan# 976

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

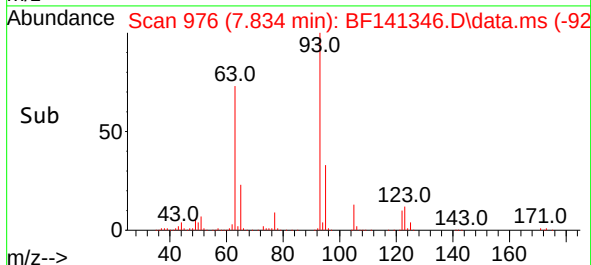
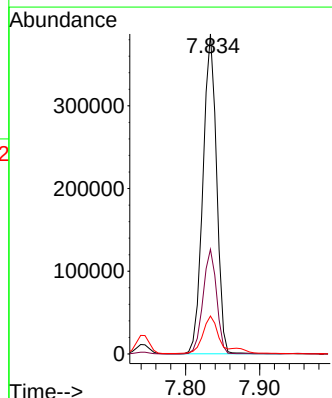
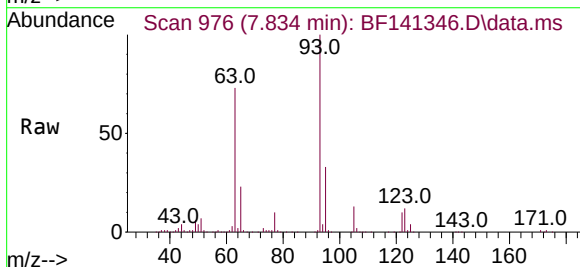
Tgt Ion: 93 Resp: 494323

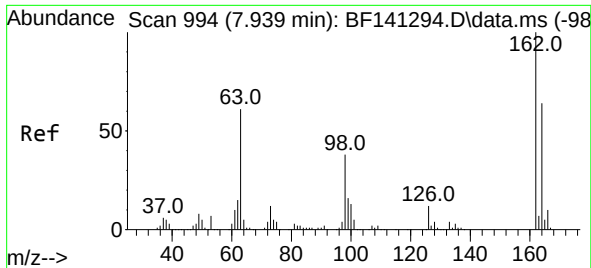
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.2

123 11.9 10.2 15.4

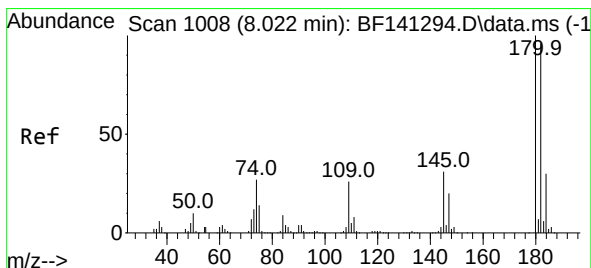
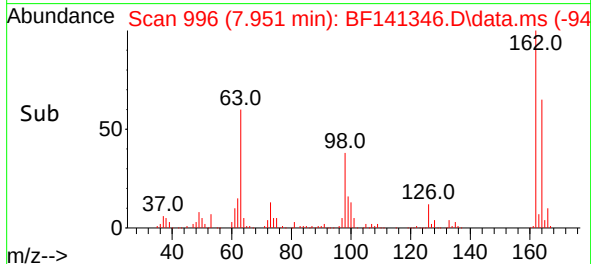
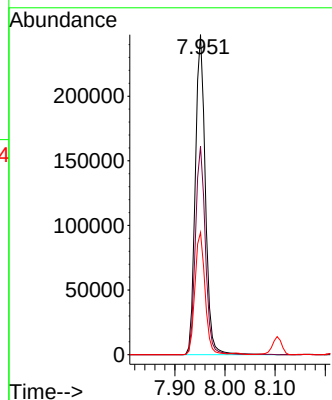
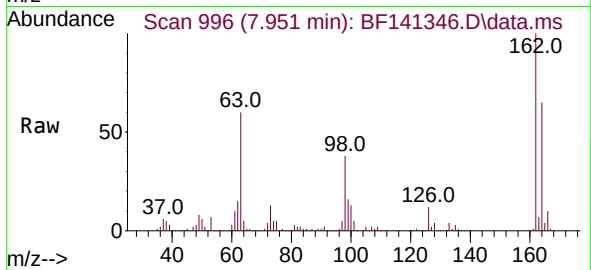




#29
2,4-Dichlorophenol
Concen: 40.495 ng
RT: 7.951 min Scan# 994
Delta R.T. 0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

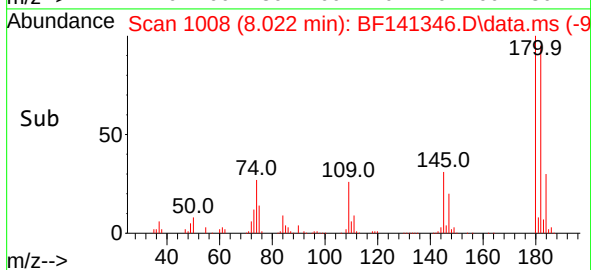
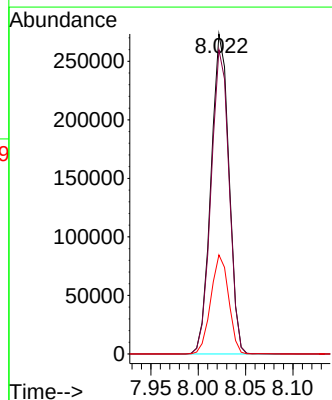
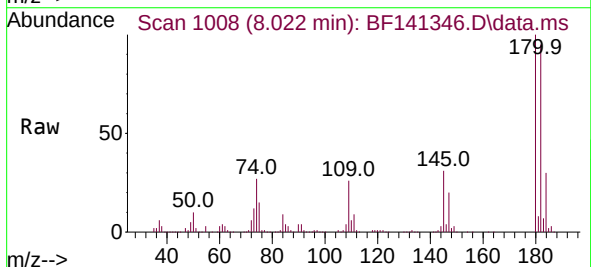
Instrument :
BNA_F
ClientSampleId :
357MSD

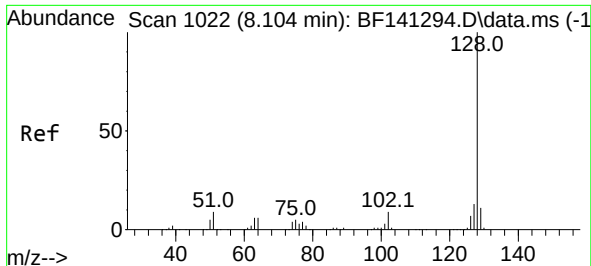
Tgt Ion:162 Resp: 343871
Ion Ratio Lower Upper
162 100
164 65.1 44.2 84.2
98 38.2 18.2 58.2



#30
1,2,4-Trichlorobenzene
Concen: 37.101 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:180 Resp: 359792
Ion Ratio Lower Upper
180 100
182 95.1 76.4 114.6
145 31.0 24.9 37.3

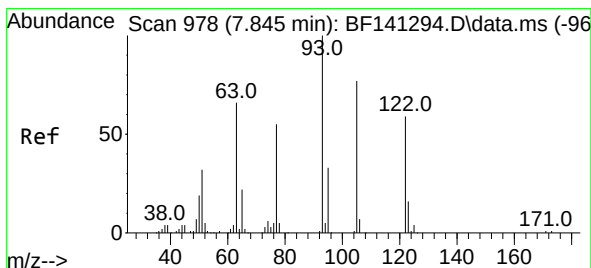
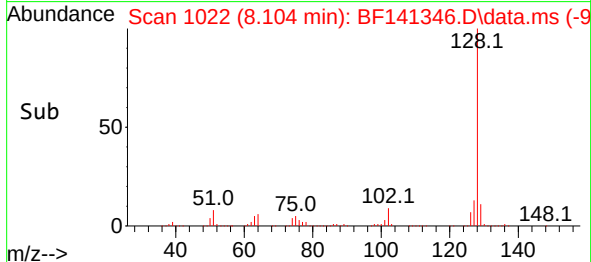
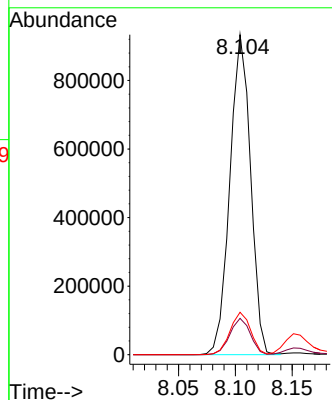
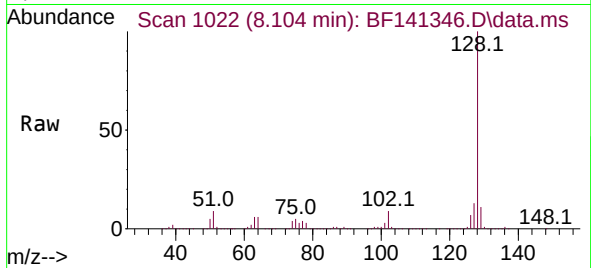




#31
Naphthalene
Concen: 38.011 ng
RT: 8.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

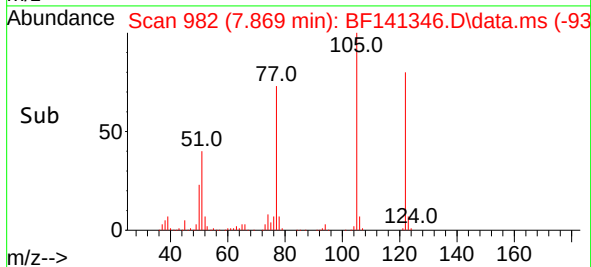
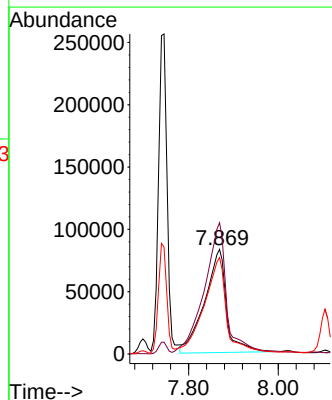
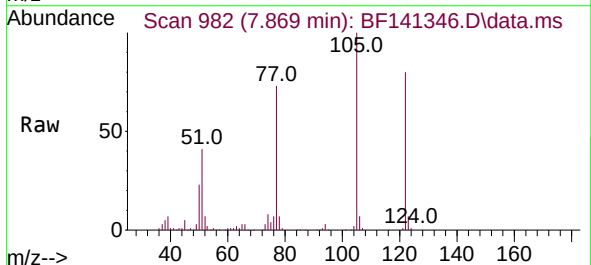
Instrument :
BNA_F
ClientSampleId :
357MSD

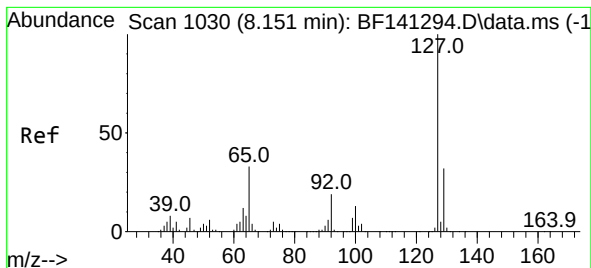
Tgt Ion:128 Resp: 1180291
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.3 10.6 15.8



#32
Benzoic acid
Concen: 44.012 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.012 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:122 Resp: 280637
Ion Ratio Lower Upper
122 100
105 125.5 103.4 143.4
77 92.1 70.9 110.9

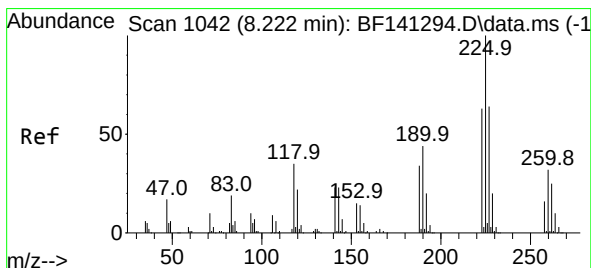
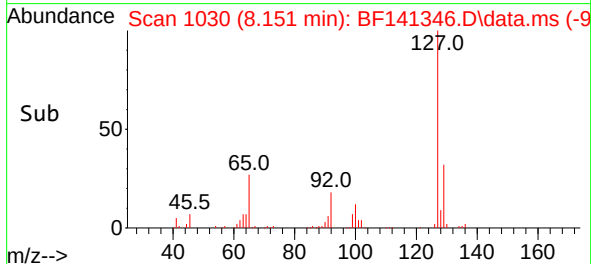
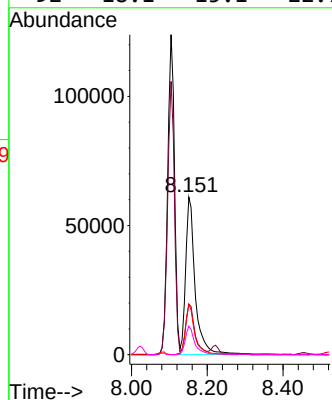
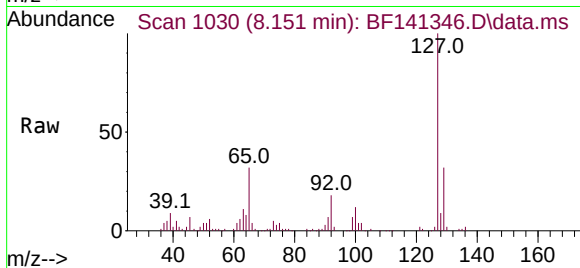




#33
4-Chloroaniline
Concen: 10.129 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

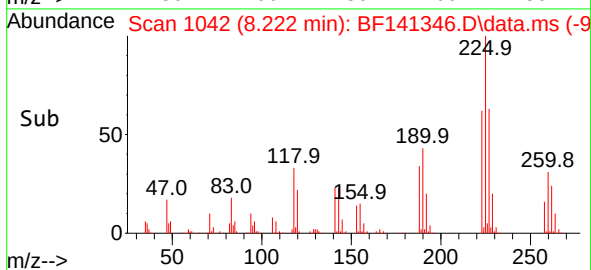
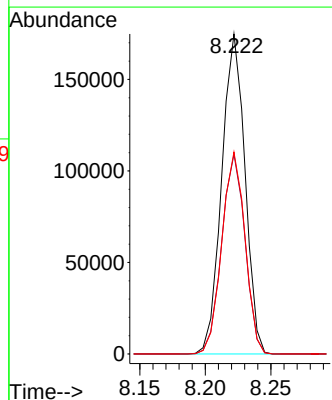
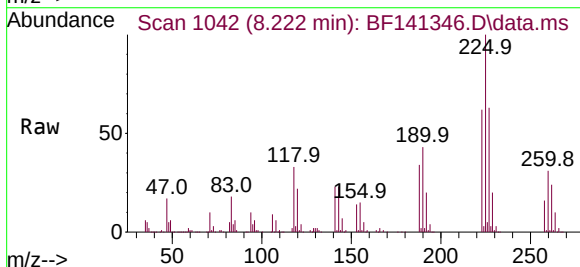
Instrument :
BNA_F
ClientSampleId :
357MSD

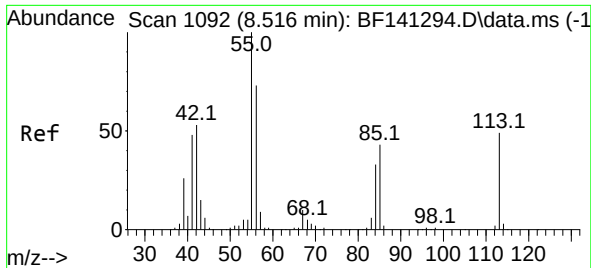
Tgt Ion:127	Resp: 106653
Ion Ratio	Lower Upper
127 100	
129 32.1	25.7 38.5
65 32.0	26.4 39.6
92 18.1	15.1 22.7



#34
Hexachlorobutadiene
Concen: 37.815 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:225	Resp: 215053		
Ion Ratio	Lower	Upper	
225 100			
223 62.4	50.4	75.6	
227 63.1	51.3	76.9	

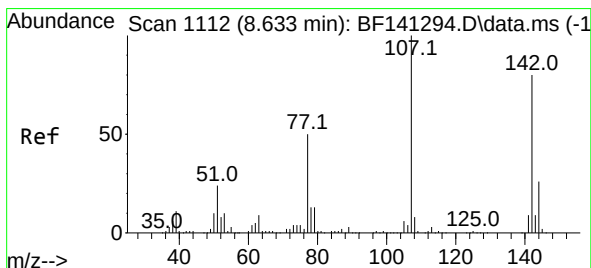
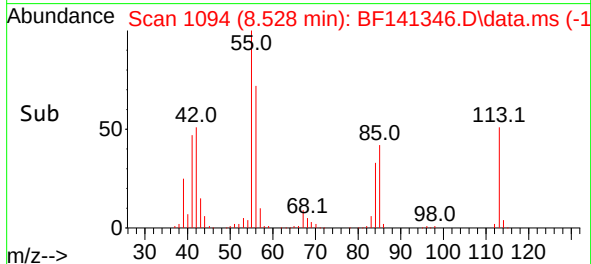
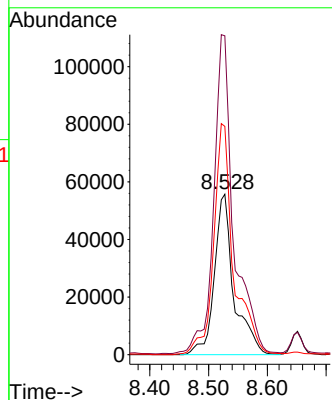
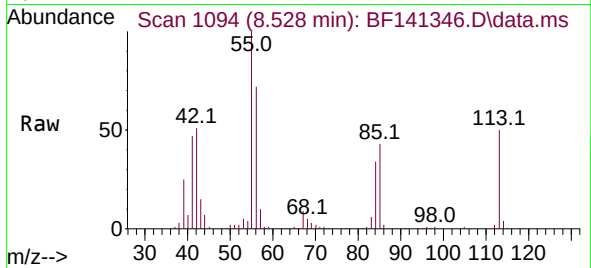




#35
 Caprolactam
 Concen: 46.504 ng
 RT: 8.528 min Scan# 1109
 Delta R.T. -0.018 min
 Lab File: BF141346.D
 Acq: 31 Jan 2025 21:50

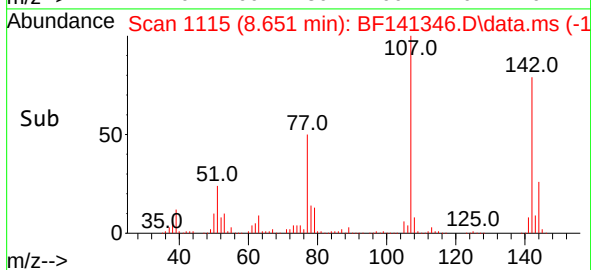
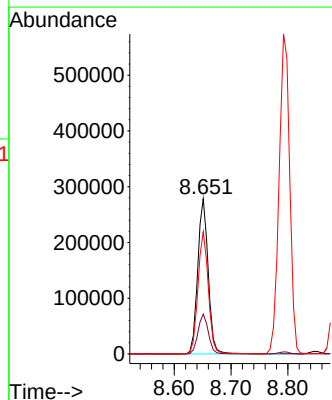
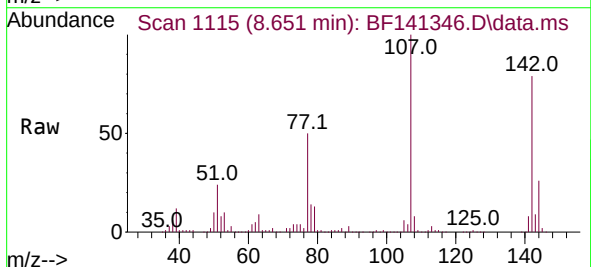
Instrument :
 BNA_F
 ClientSampleId :
 357MSD

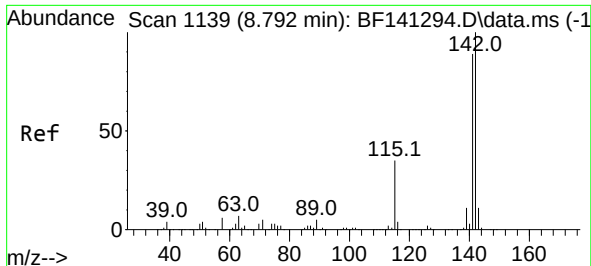
Tgt Ion:113 Resp: 128967
 Ion Ratio Lower Upper
 113 100
 55 198.6 182.9 222.9
 56 142.2 127.9 167.9



#36
 4-Chloro-3-methylphenol
 Concen: 39.371 ng
 RT: 8.651 min Scan# 1115
 Delta R.T. 0.012 min
 Lab File: BF141346.D
 Acq: 31 Jan 2025 21:50

Tgt Ion:107 Resp: 358605
 Ion Ratio Lower Upper
 107 100
 144 25.6 20.7 31.1
 142 78.7 63.8 95.8

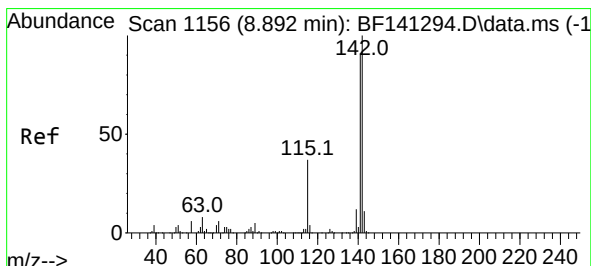
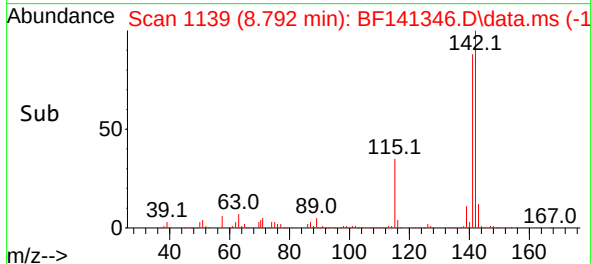
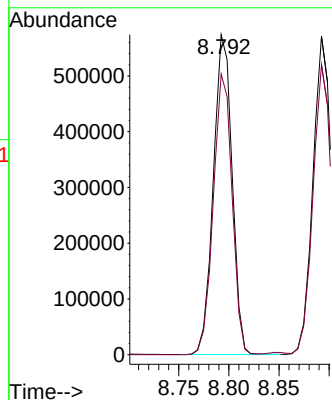
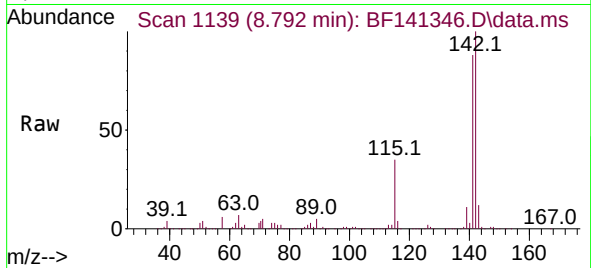




#37
2-Methylnaphthalene
Concen: 37.767 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

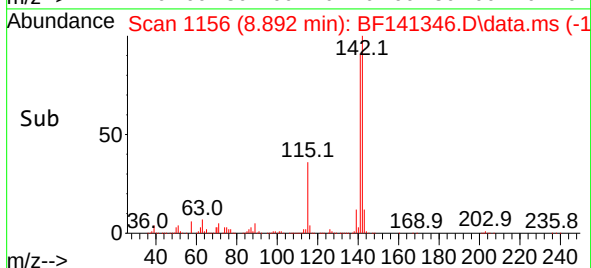
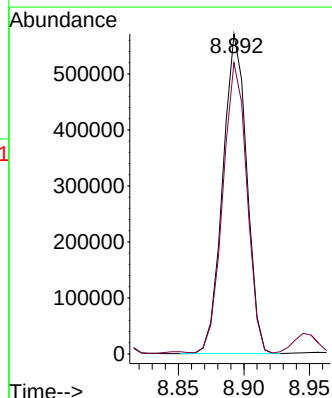
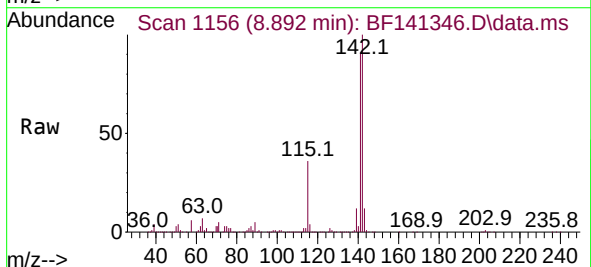
Instrument :
BNA_F
ClientSampleId :
357MSD

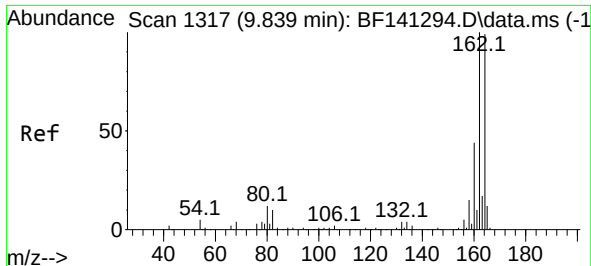
Tgt Ion:142 Resp: 745370
Ion Ratio Lower Upper
142 100
141 87.7 71.3 106.9



#38
1-Methylnaphthalene
Concen: 37.401 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:142 Resp: 725077
Ion Ratio Lower Upper
142 100
141 91.1 73.2 109.8

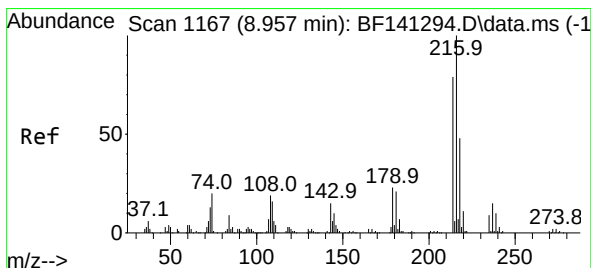
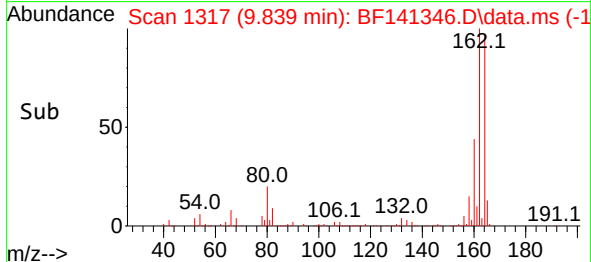
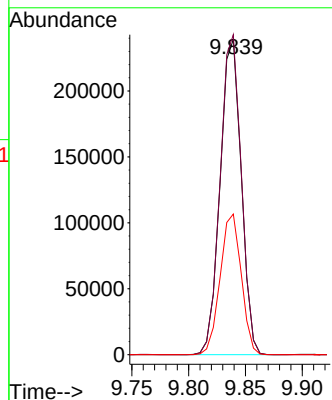
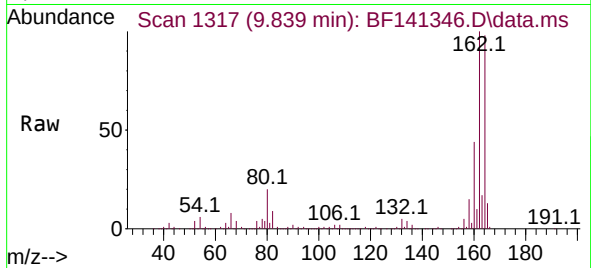




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

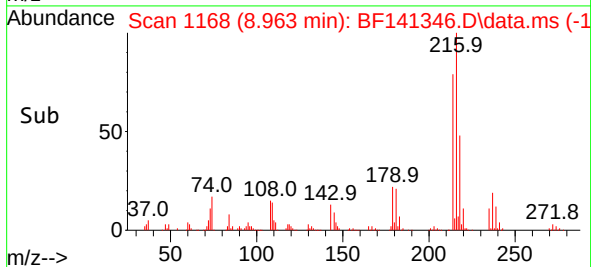
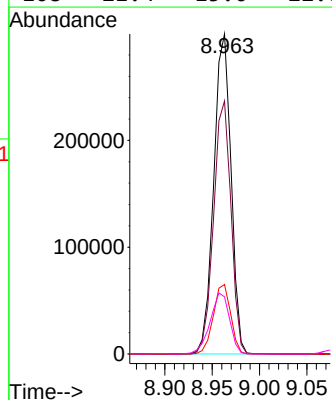
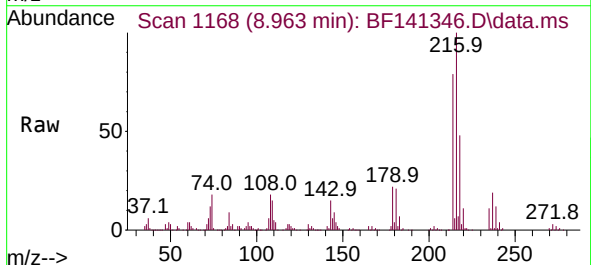
Instrument :
BNA_F
ClientSampleId :
357MSD

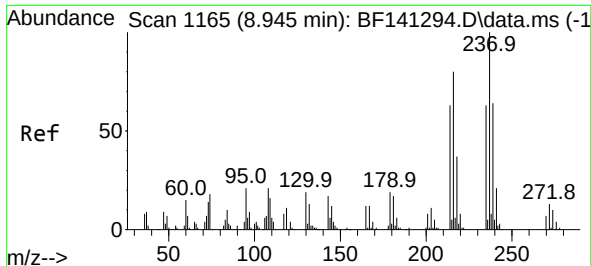
Tgt Ion:164 Resp: 309142
Ion Ratio Lower Upper
164 100
162 101.5 80.6 121.0
160 44.6 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.126 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:216 Resp: 379280
Ion Ratio Lower Upper
216 100
214 79.5 63.2 94.8
179 21.9 17.8 26.8
108 21.4 15.0 22.6

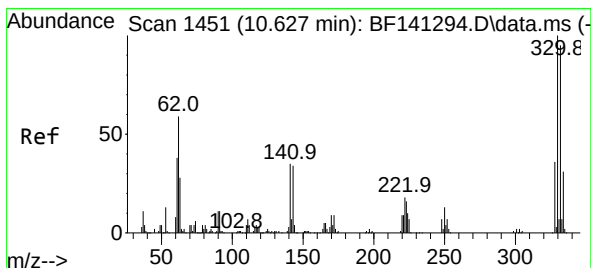
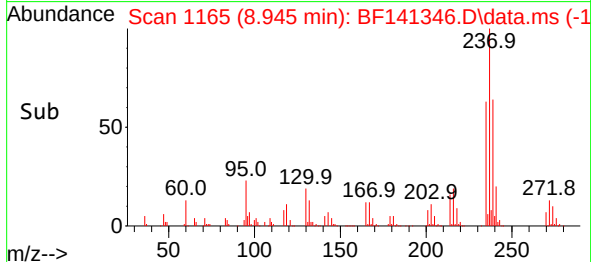
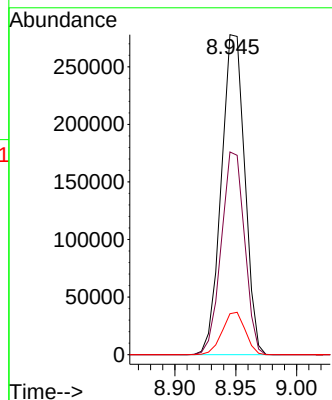
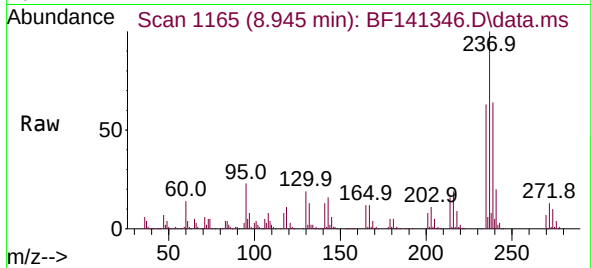




#41
Hexachlorocyclopentadiene
Concen: 143.327 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

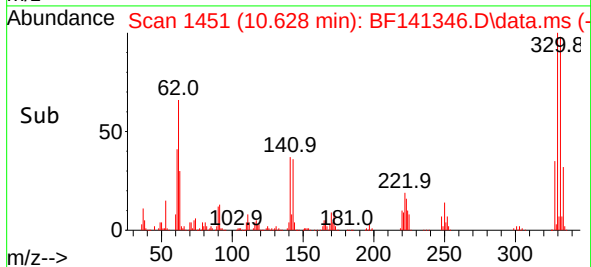
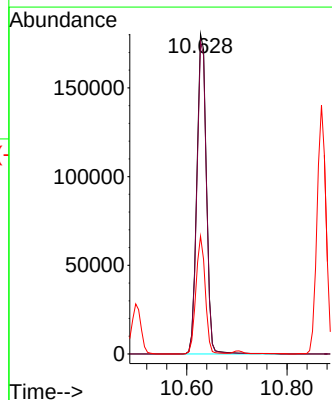
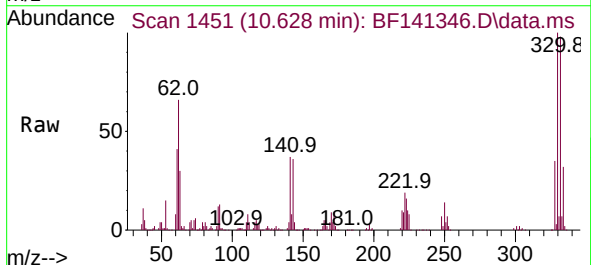
Instrument :
BNA_F
ClientSampleId :
357MSD

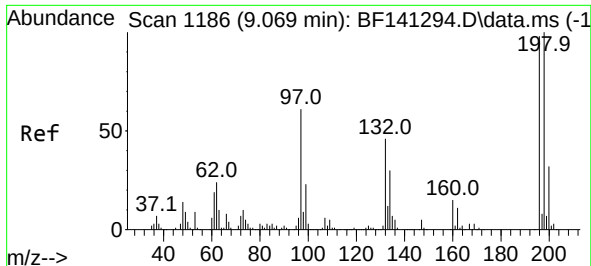
Tgt Ion:237 Resp: 372270
Ion Ratio Lower Upper
237 100
235 63.3 42.9 82.9
272 12.8 0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 84.089 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:330 Resp: 238319
Ion Ratio Lower Upper
330 100
332 97.3 76.1 114.1
141 35.9 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 40.951 ng

RT: 9.075 min Scan# 1186

Delta R.T. -0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

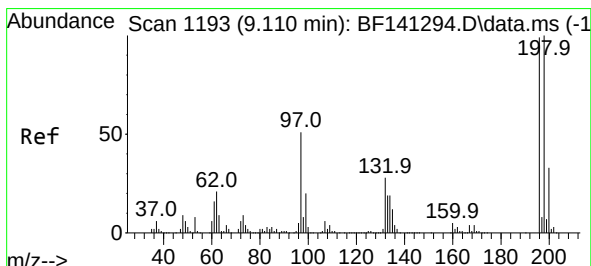
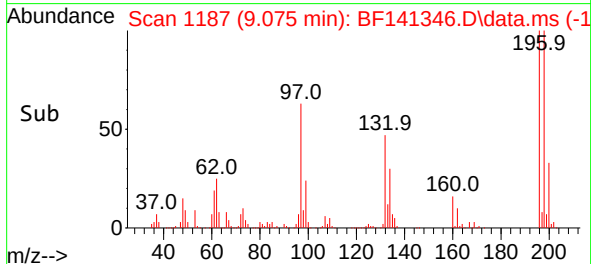
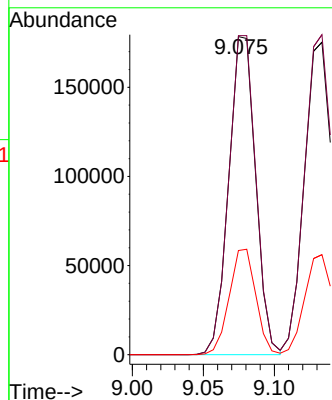
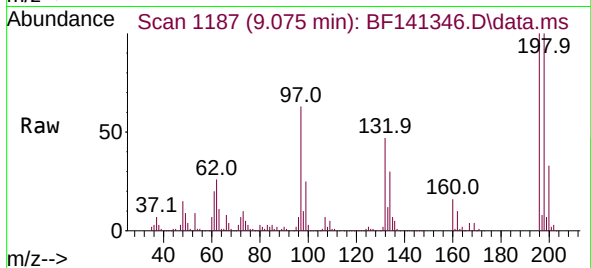
Tgt Ion:196 Resp: 235734

Ion Ratio Lower Upper

196 100

198 100.3 81.8 122.6

200 32.8 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 40.115 ng

RT: 9.133 min Scan# 1197

Delta R.T. 0.018 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Tgt Ion:196 Resp: 251331

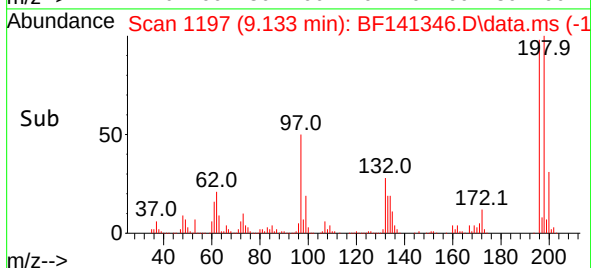
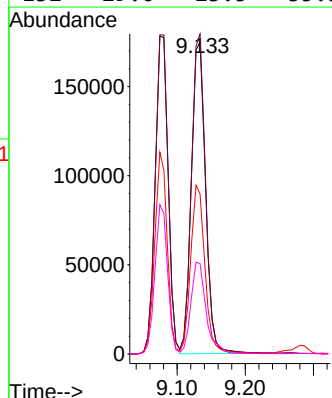
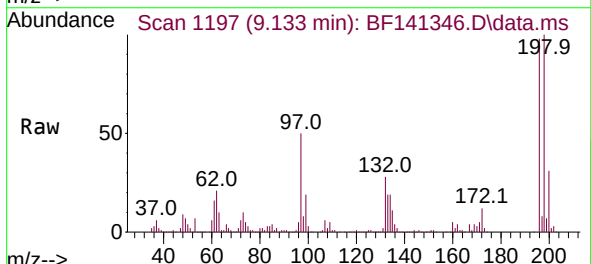
Ion Ratio Lower Upper

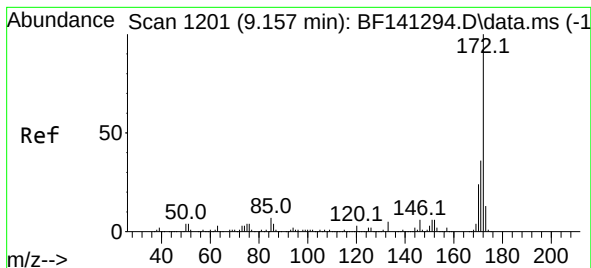
196 100

198 102.4 80.5 120.7

97 51.2 42.8 64.2

132 29.0 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 55.463 ng

RT: 9.157 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

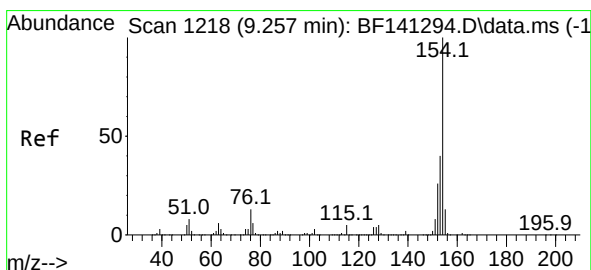
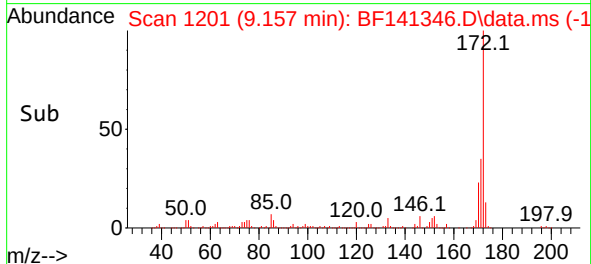
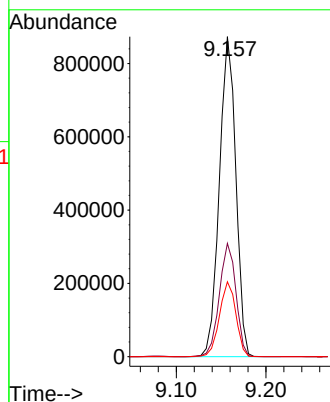
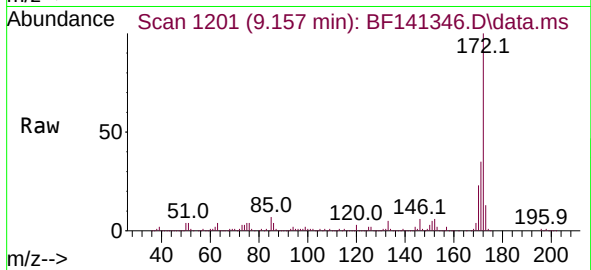
Tgt Ion:172 Resp: 1113958

Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.4 19.0 28.6



#46

1,1'-Biphenyl

Concen: 43.804 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

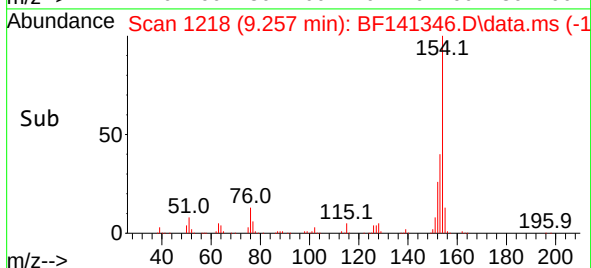
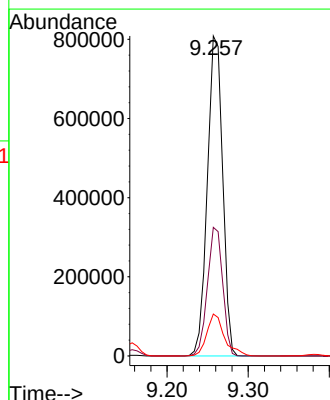
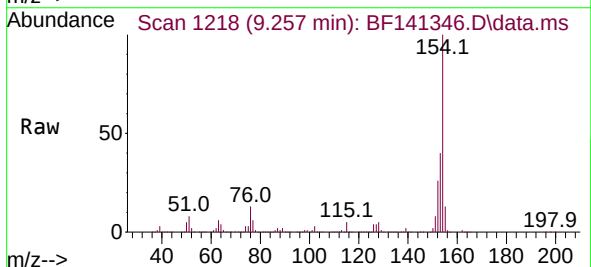
Tgt Ion:154 Resp: 1056092

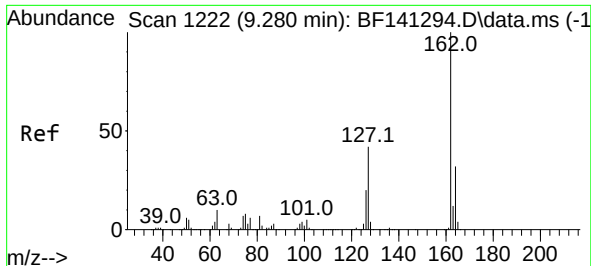
Ion Ratio Lower Upper

154 100

153 40.2 20.0 60.0

76 13.1 0.0 32.8

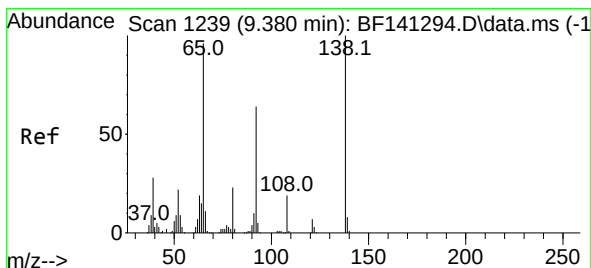
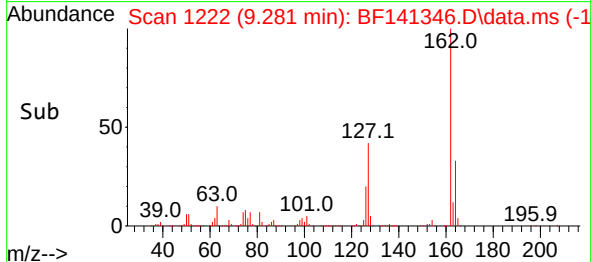
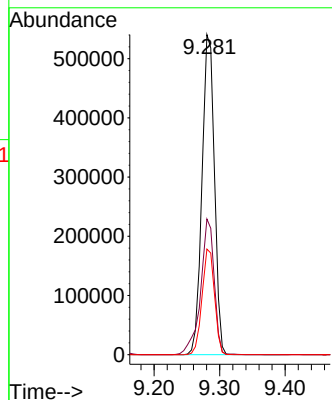
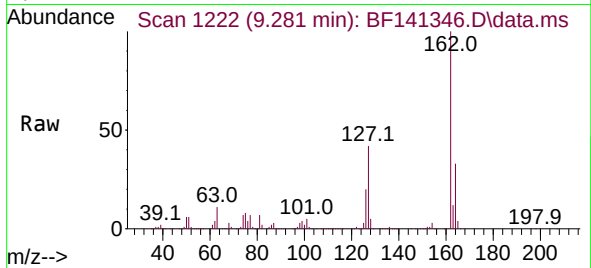




#47
2-Chloronaphthalene
Concen: 38.085 ng
RT: 9.281 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

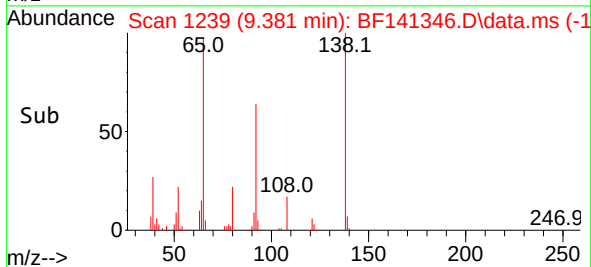
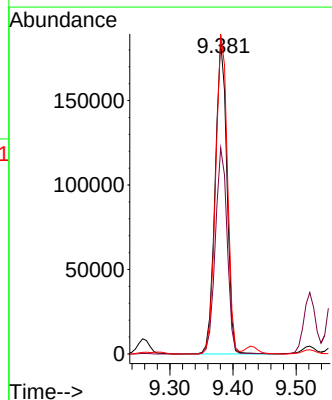
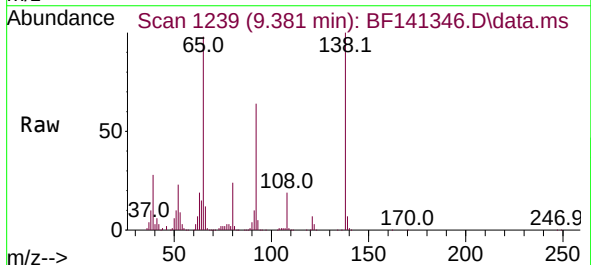
Instrument :
BNA_F
ClientSampleId :
357MSD

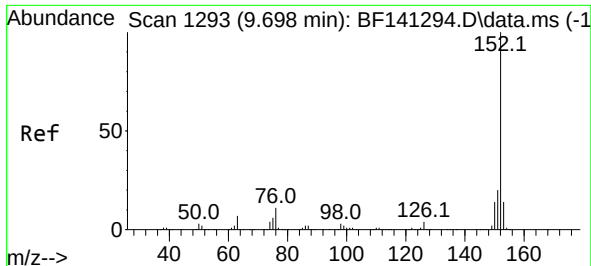
Tgt Ion:162 Resp: 715690
Ion Ratio Lower Upper
162 100
127 42.4 33.7 50.5
164 33.0 25.9 38.9



#48
2-Nitroaniline
Concen: 40.485 ng
RT: 9.381 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 65 Resp: 239299
Ion Ratio Lower Upper
65 100
92 65.9 53.3 79.9
138 102.4 83.6 125.4





#49

Acenaphthylene

Concen: 42.034 ng

RT: 9.698 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

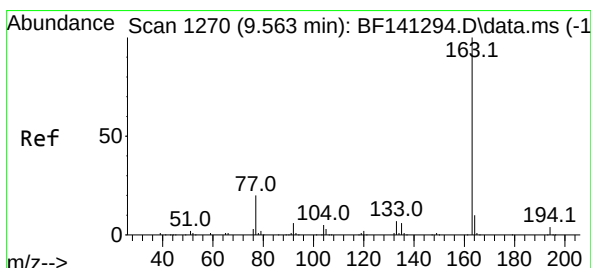
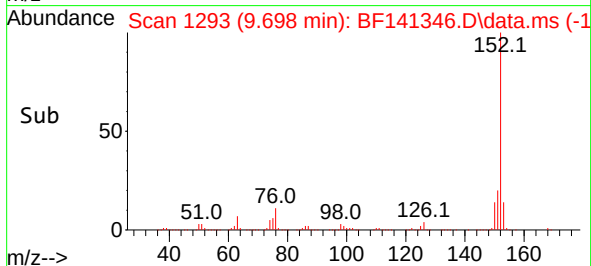
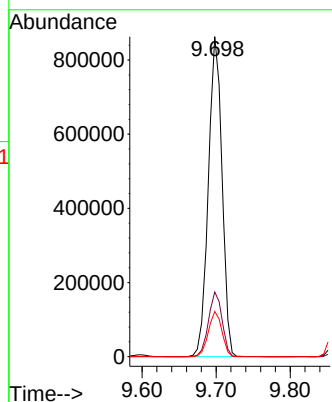
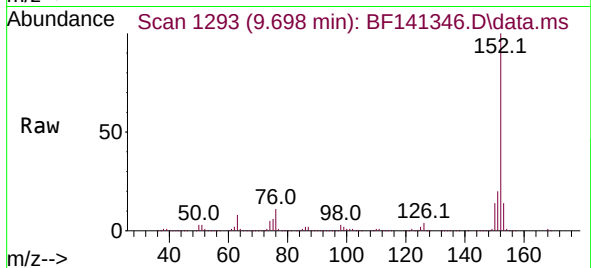
Tgt Ion:152 Resp: 1105725

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

153 14.1 11.0 16.6



#50

Dimethylphthalate

Concen: 40.945 ng

RT: 9.563 min Scan# 1270

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

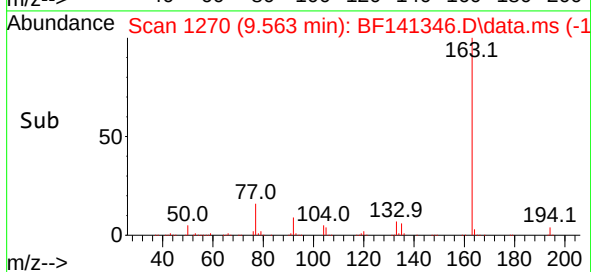
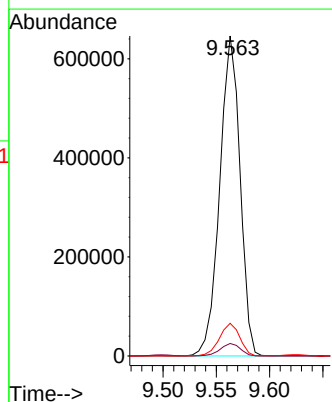
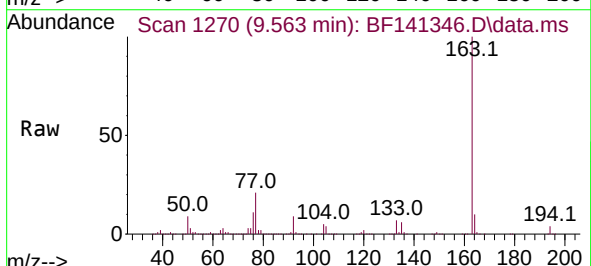
Tgt Ion:163 Resp: 854897

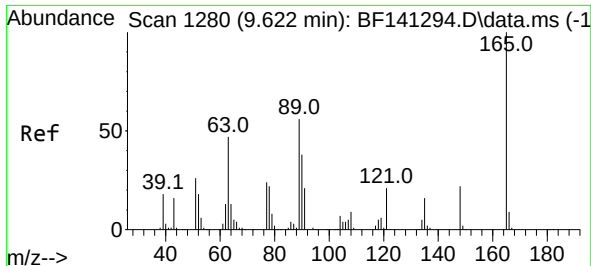
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.2 8.0 12.0

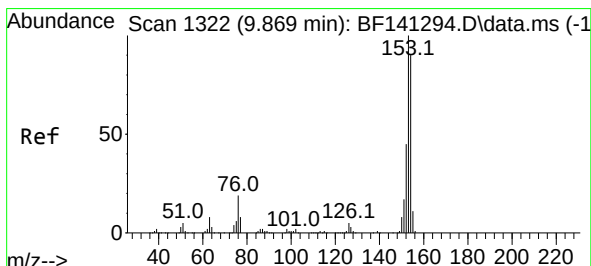
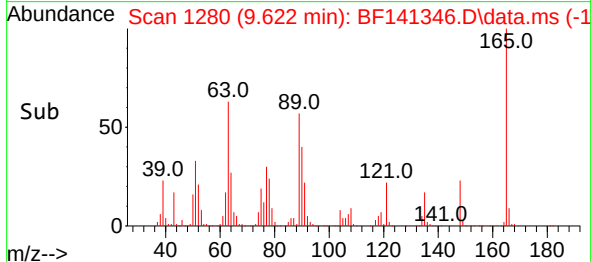
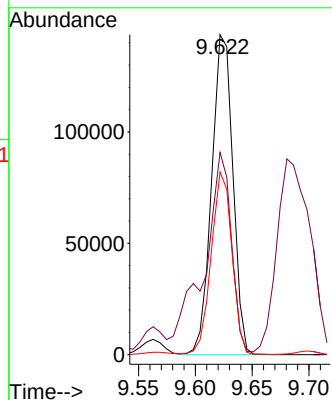
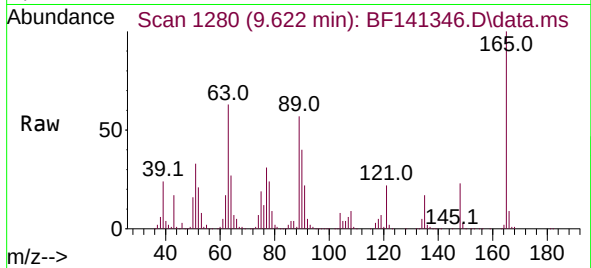




#51
2,6-Dinitrotoluene
Concen: 38.561 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

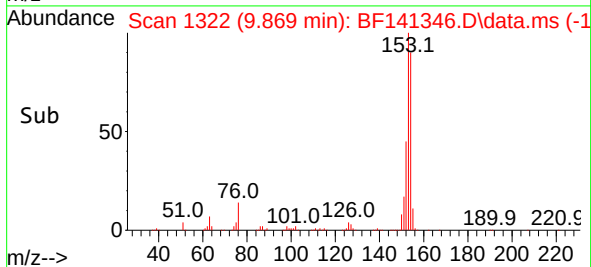
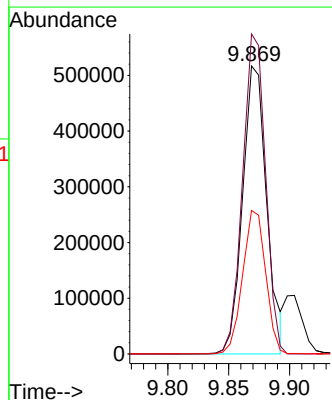
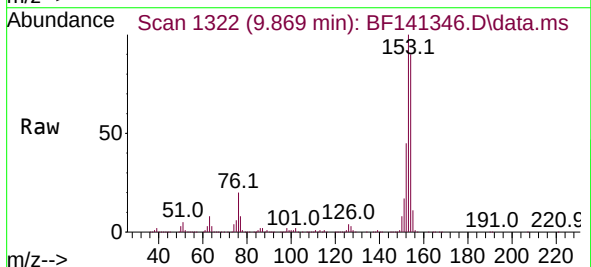
Instrument :
BNA_F
ClientSampleId :
357MSD

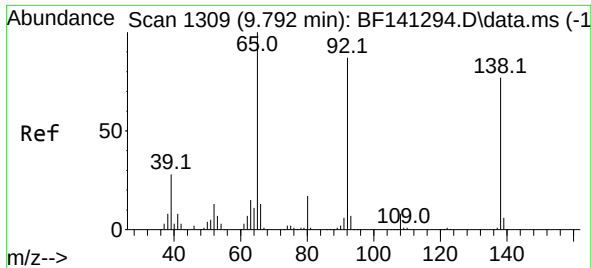
Tgt Ion:165 Resp: 186941
Ion Ratio Lower Upper
165 100
63 63.2 48.1 72.1
89 57.1 44.9 67.3



#52
Acenaphthene
Concen: 37.830 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:154 Resp: 710920
Ion Ratio Lower Upper
154 100
153 111.1 89.0 133.4
152 49.8 40.2 60.4

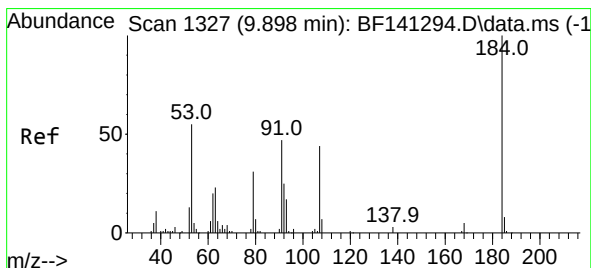
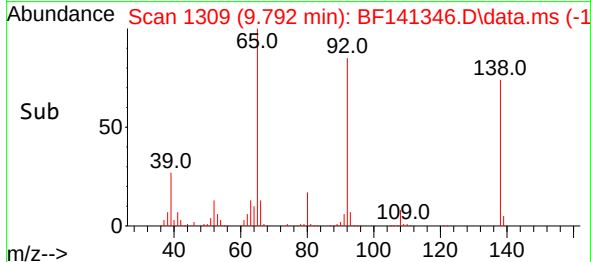
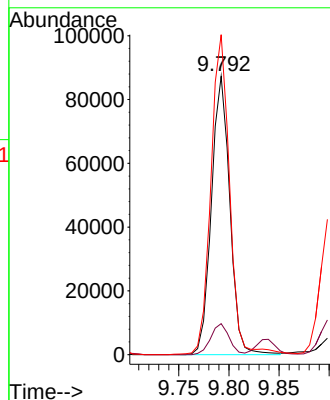
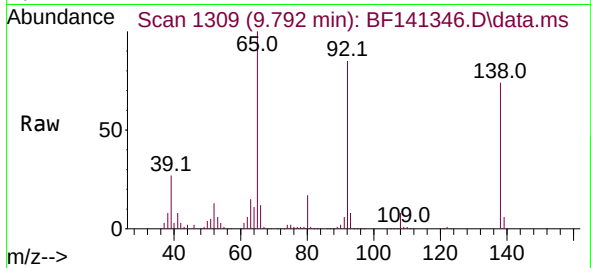




#53
3-Nitroaniline
Concen: 23.491 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

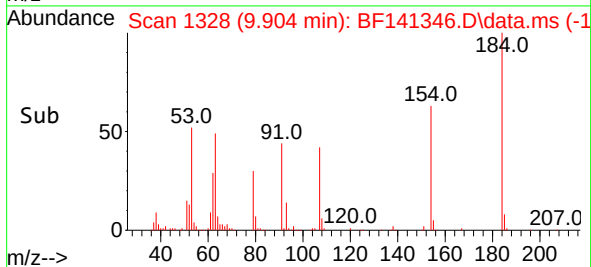
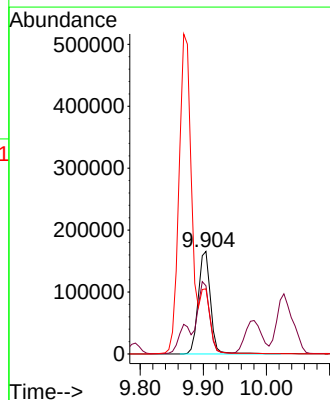
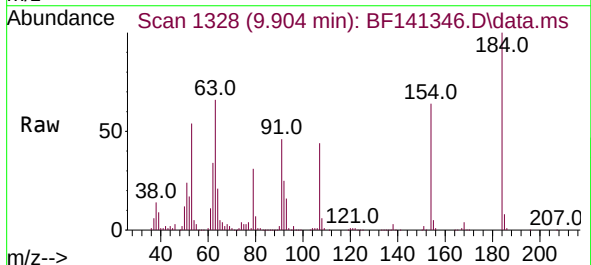
Instrument :
BNA_F
ClientSampleId :
357MSD

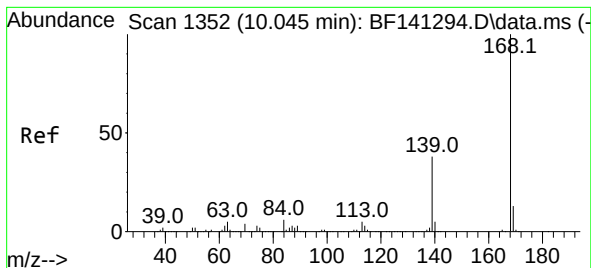
Tgt Ion:138 Resp: 111619
Ion Ratio Lower Upper
138 100
108 11.1 8.6 12.8
92 115.0 91.0 136.6



#54
2,4-Dinitrophenol
Concen: 99.384 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:184 Resp: 223971
Ion Ratio Lower Upper
184 100
63 66.4 54.1 81.1
154 63.6 50.7 76.1





#55

Dibenzenofuran

Concen: 38.954 ng

RT: 10.045 min Scan# 1352

Delta R.T. -0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

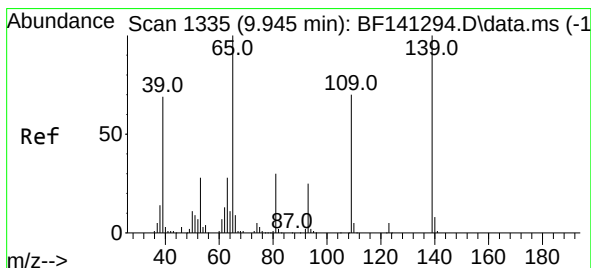
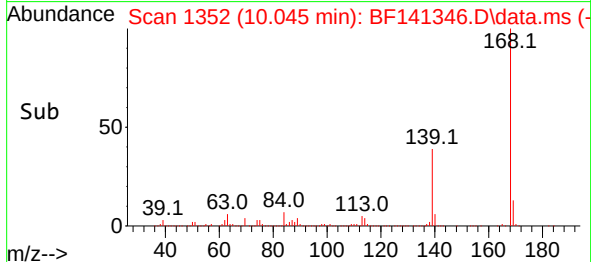
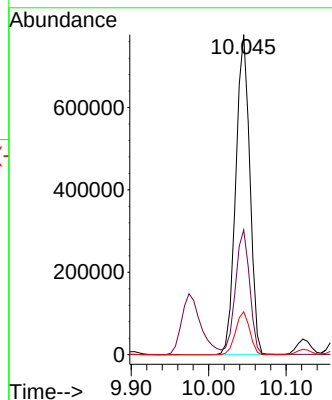
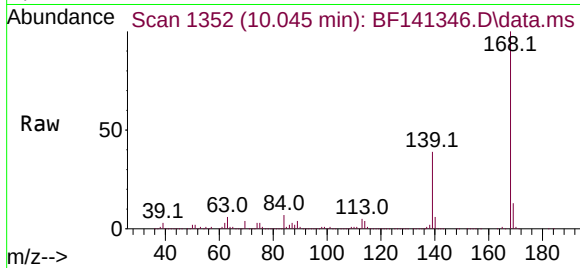
Tgt Ion:168 Resp: 979869

Ion Ratio Lower Upper

168 100

139 39.0 30.6 46.0

169 13.4 10.8 16.2



#56

4-Nitrophenol

Concen: 73.413 ng

RT: 9.975 min Scan# 1340

Delta R.T. 0.018 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

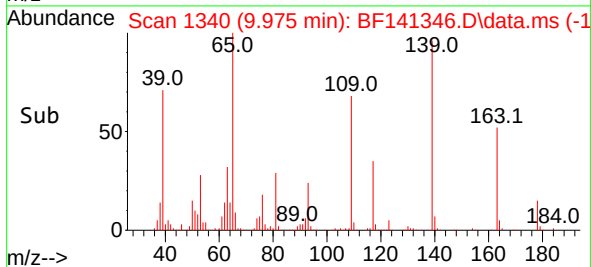
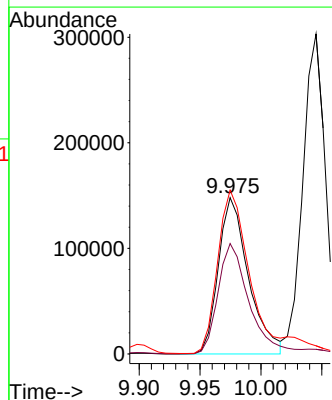
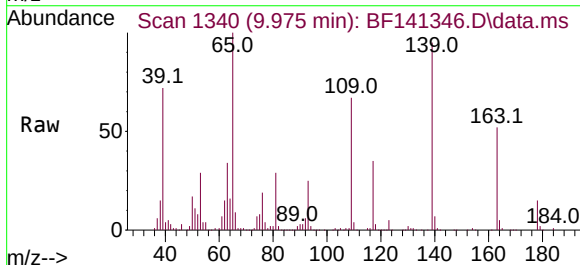
Tgt Ion:139 Resp: 255108

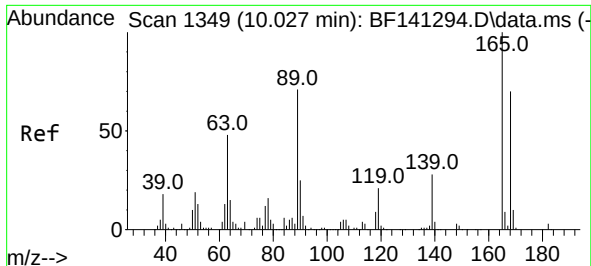
Ion Ratio Lower Upper

139 100

109 70.6 50.2 90.2

65 104.8 80.6 120.6

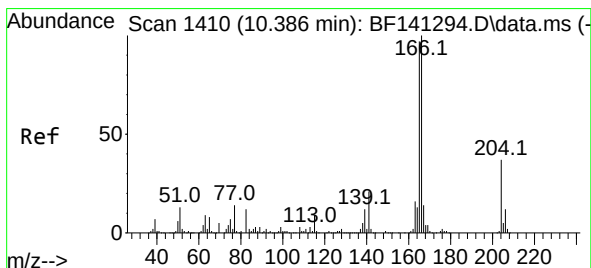
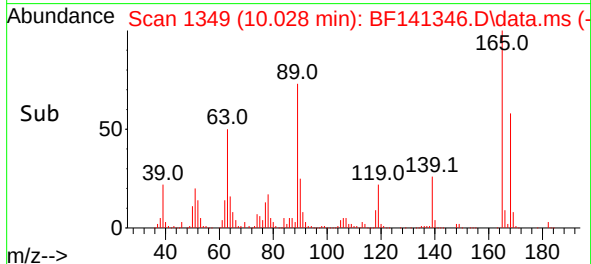
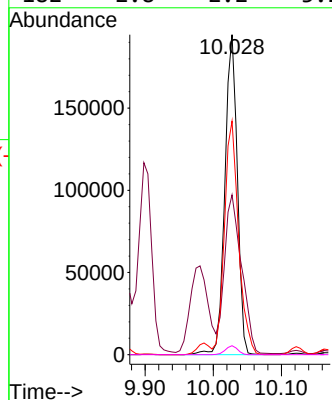
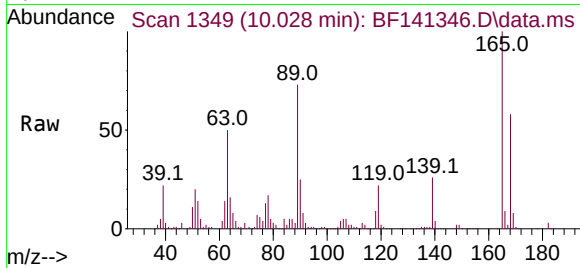




#57
2,4-Dinitrotoluene
Concen: 39.446 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

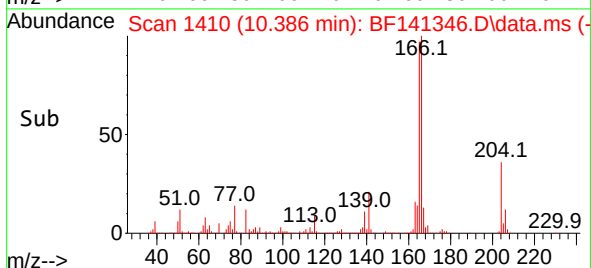
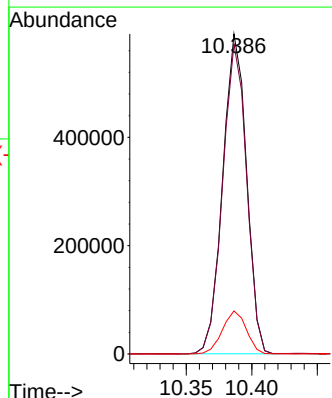
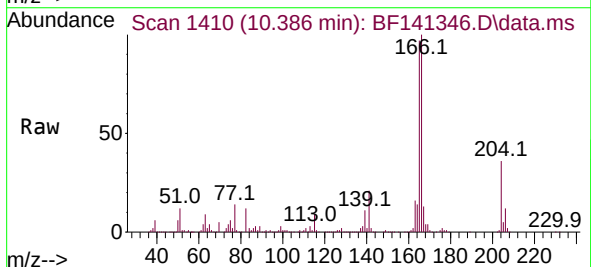
Instrument :
BNA_F
ClientSampleId :
357MSD

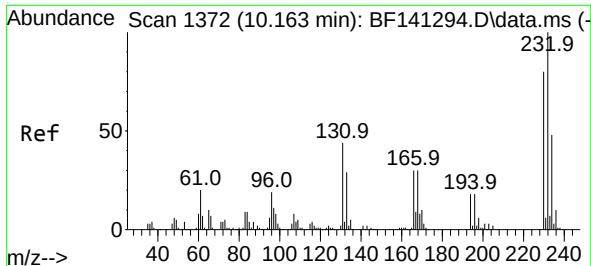
Tgt Ion:165 Resp: 247592
Ion Ratio Lower Upper
165 100
63 49.9 39.2 58.8
89 73.0 56.9 85.3
182 2.8 2.2 3.2



#58
Fluorene
Concen: 38.252 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:166 Resp: 746386
Ion Ratio Lower Upper
166 100
165 96.9 77.5 116.3
167 13.5 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 42.317 ng

RT: 10.169 min Scan# 1372

Delta R.T. 0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion:232 Resp: 208581

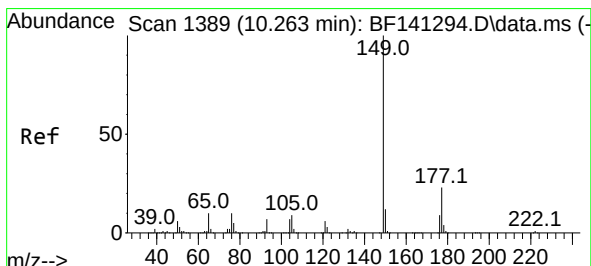
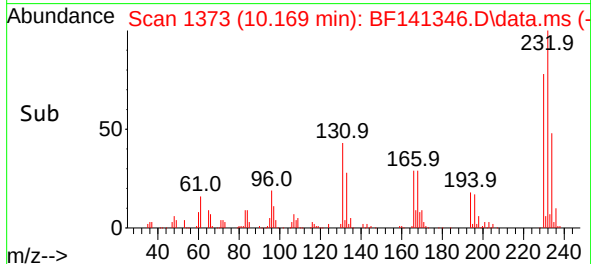
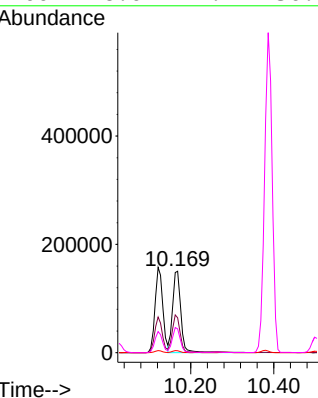
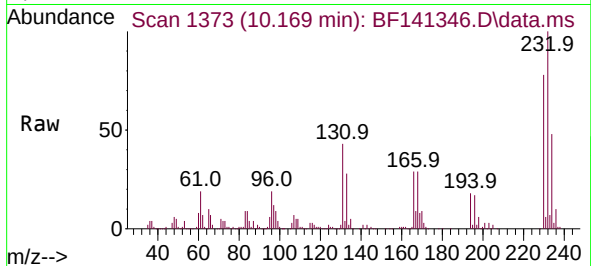
Ion Ratio Lower Upper

232 100

131 43.9 36.4 54.6

130 2.4 1.9 2.9

166 28.6 24.1 36.1



#60

Diethylphthalate

Concen: 40.244 ng

RT: 10.263 min Scan# 1389

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

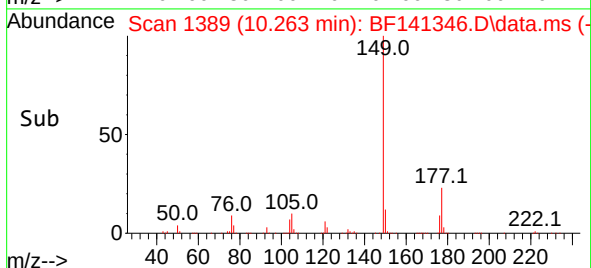
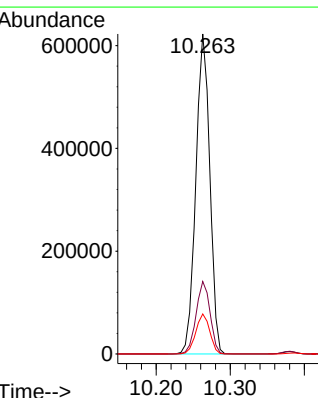
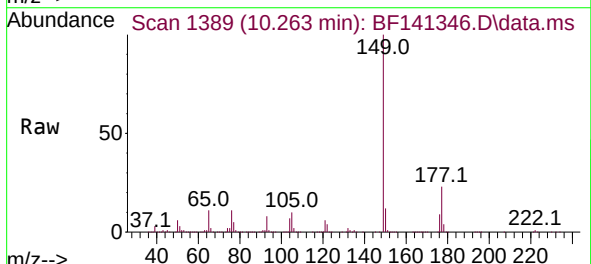
Tgt Ion:149 Resp: 814729

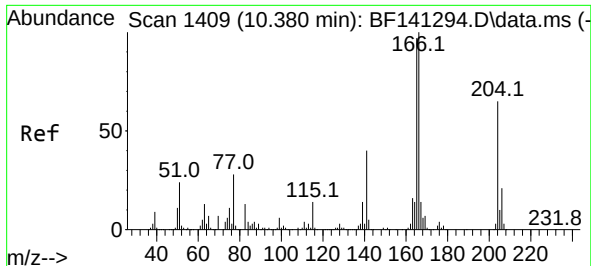
Ion Ratio Lower Upper

149 100

177 22.6 18.5 27.7

150 12.5 10.0 15.0

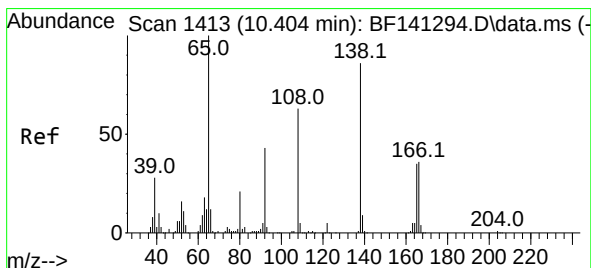
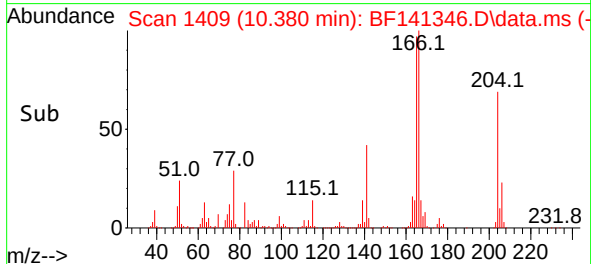
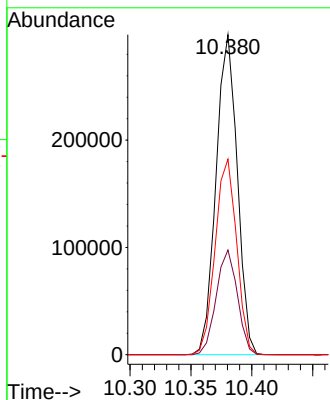
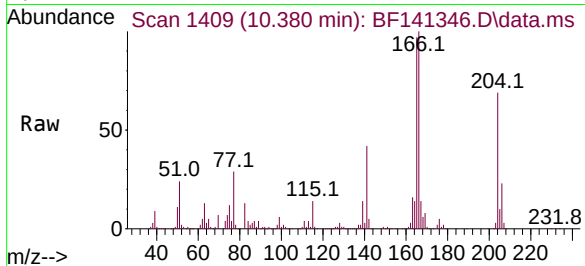




#61
4-Chlorophenyl-phenylether
Concen: 38.104 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

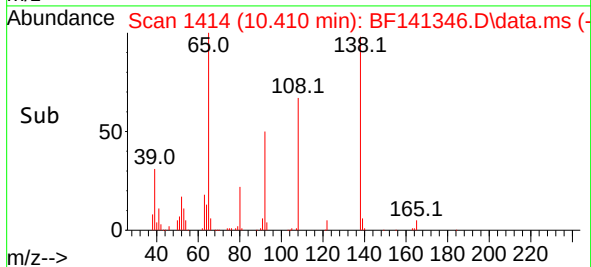
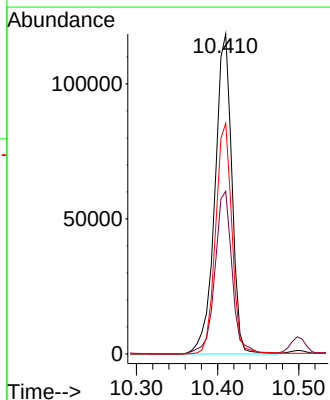
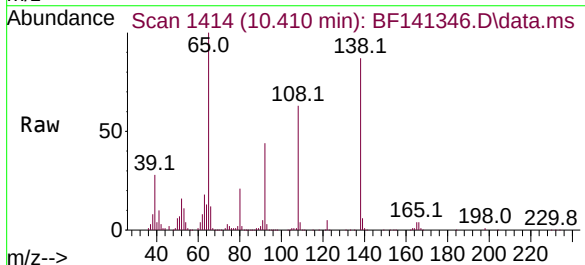
Instrument :
BNA_F
ClientSampleId :
357MSD

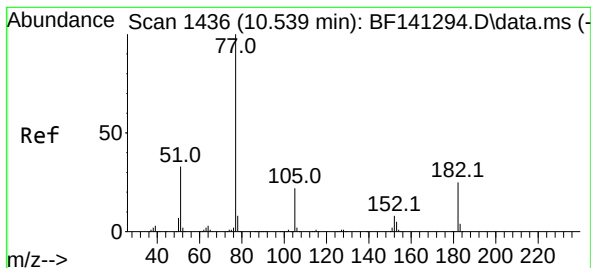
Tgt Ion:204 Resp: 363176
Ion Ratio Lower Upper
204 100
206 32.7 25.9 38.9
141 61.1 49.5 74.3



#62
4-Nitroaniline
Concen: 36.844 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:138 Resp: 172114
Ion Ratio Lower Upper
138 100
92 50.9 30.1 70.1
108 72.1 53.1 93.1





#63

Azobenzene

Concen: 43.701 ng

RT: 10.539 min Scan# 1436

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion: 77 Resp: 885591

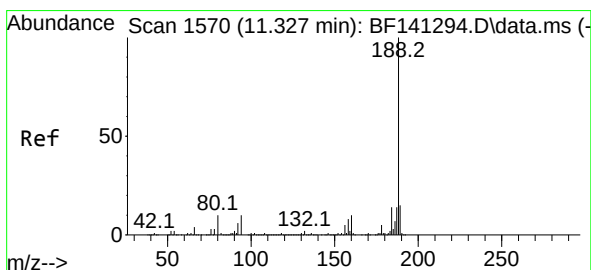
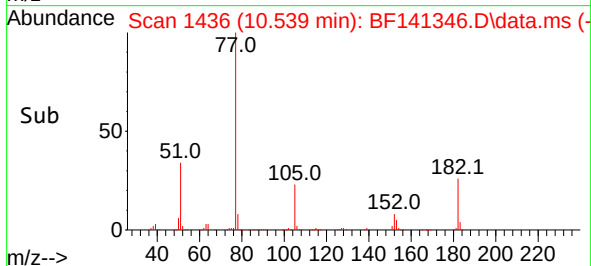
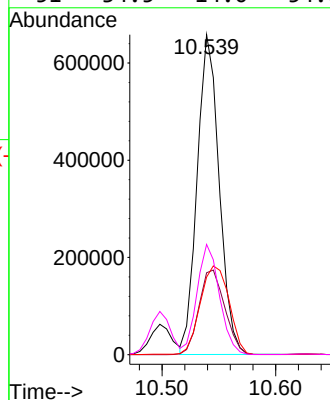
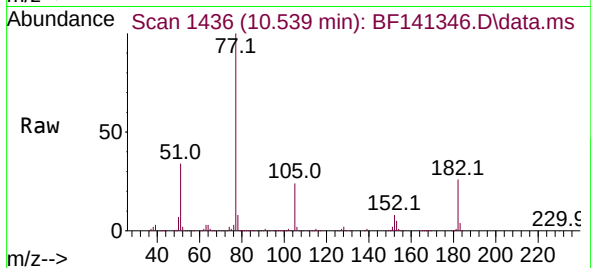
Ion Ratio Lower Upper

77 100

182 25.6 5.1 45.1

105 24.3 1.8 41.8

51 34.5 14.0 54.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

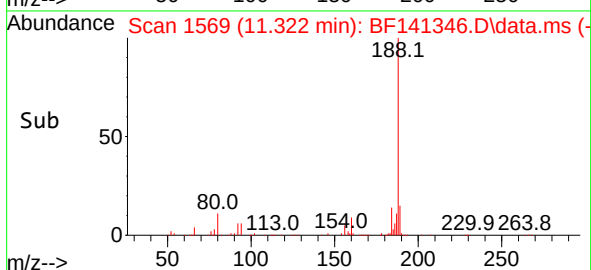
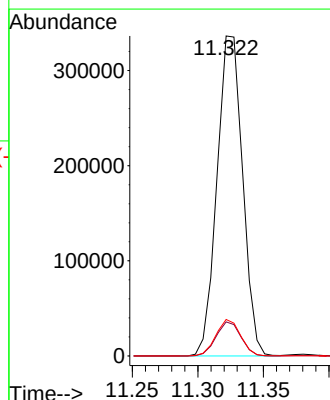
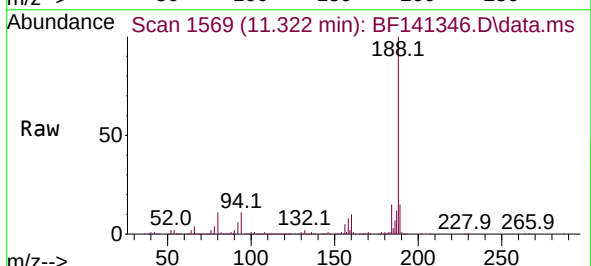
Tgt Ion: 188 Resp: 457150

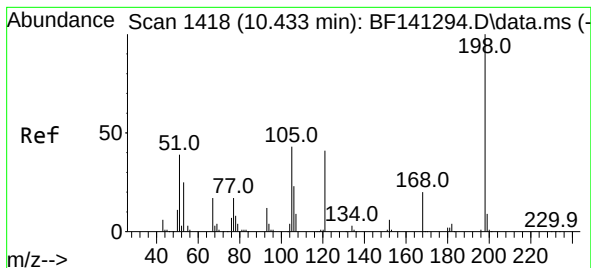
Ion Ratio Lower Upper

188 100

94 10.7 7.8 11.6

80 11.4 8.2 12.4

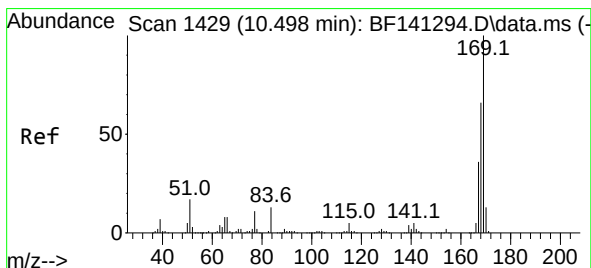
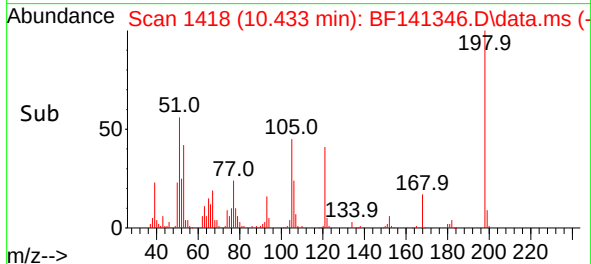
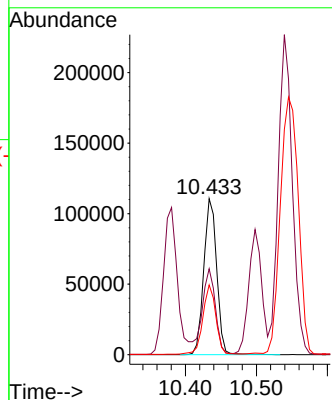
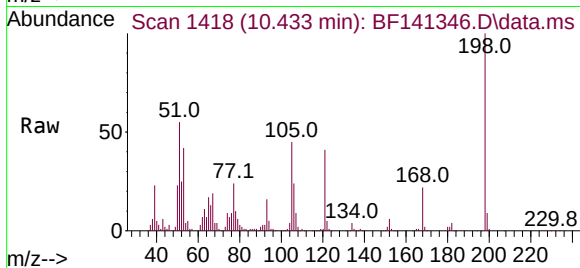




#65
4,6-Dinitro-2-methylphenol
Concen: 51.922 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

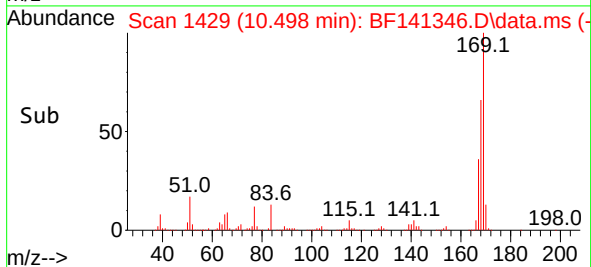
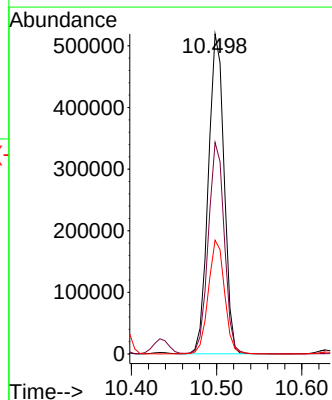
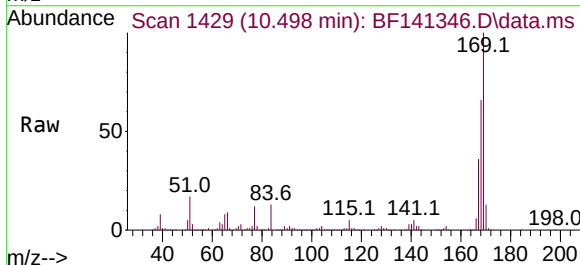
Instrument :
BNA_F
ClientSampleId :
357MSD

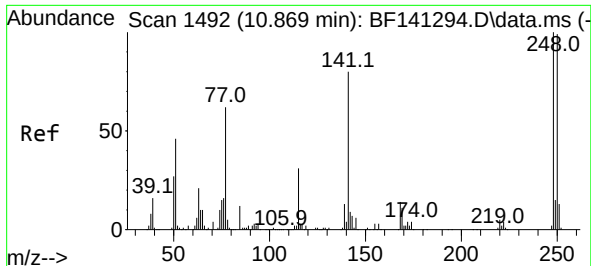
Tgt Ion:198 Resp: 140399
Ion Ratio Lower Upper
198 100
51 55.1 33.4 73.4
105 44.7 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 45.158 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:169 Resp: 667697
Ion Ratio Lower Upper
169 100
168 66.1 53.0 79.4
167 35.6 28.8 43.2

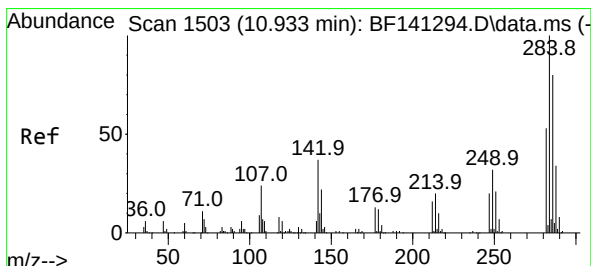
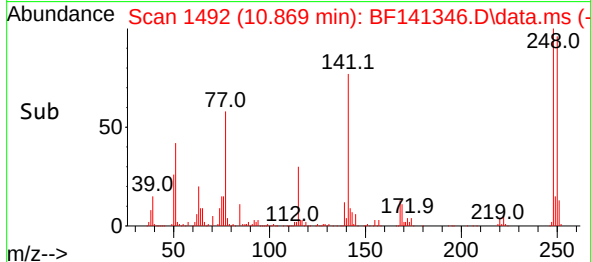
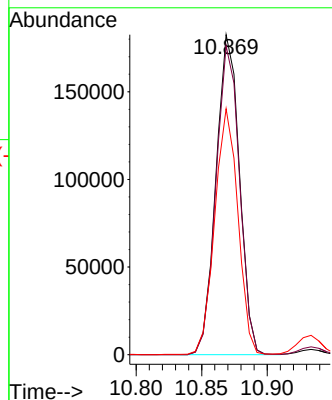
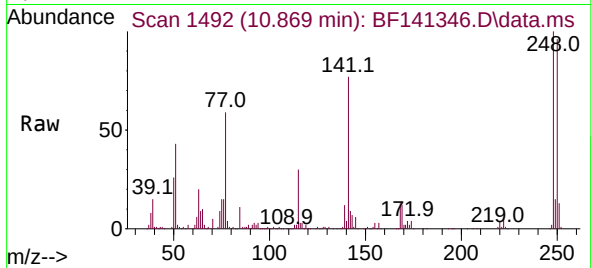




#67
4-Bromophenyl-phenylether
Concen: 44.366 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

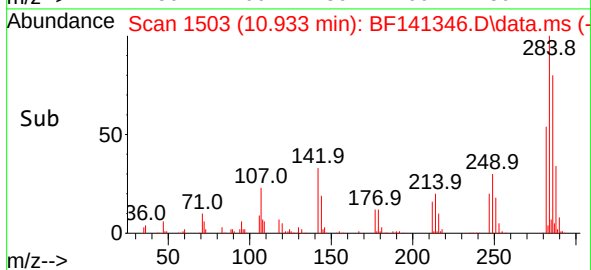
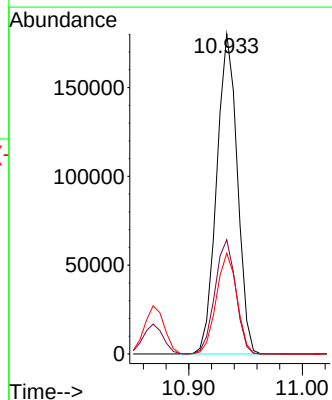
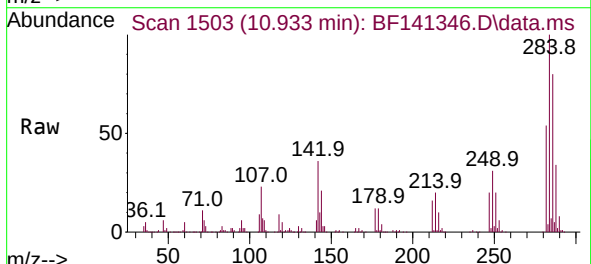
Instrument :
BNA_F
ClientSampleId :
357MSD

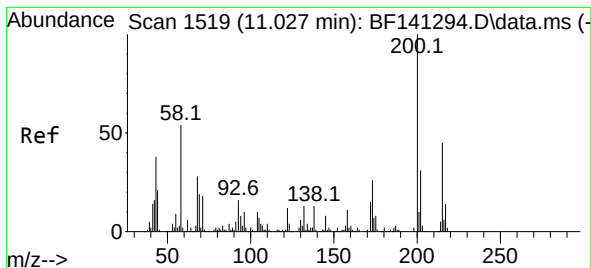
Tgt Ion:248 Resp: 227064
Ion Ratio Lower Upper
248 100
250 96.5 79.0 118.4
141 76.8 63.7 95.5



#68
Hexachlorobenzene
Concen: 41.915 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:284 Resp: 227552
Ion Ratio Lower Upper
284 100
142 35.7 29.5 44.3
249 31.5 25.4 38.2





#69

Atrazine

Concen: 48.067 ng

RT: 11.027 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

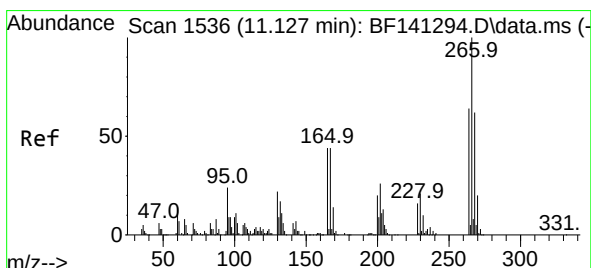
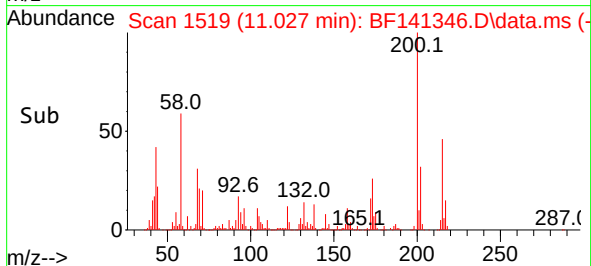
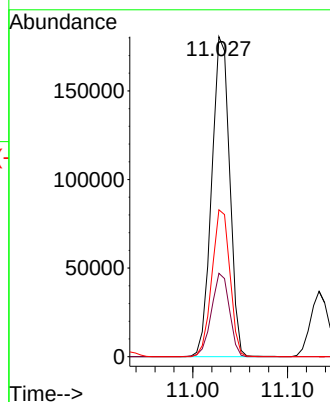
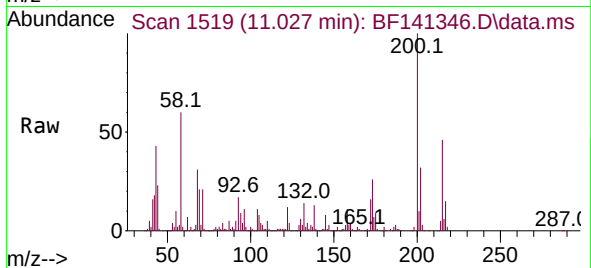
Tgt Ion:200 Resp: 237625

Ion Ratio Lower Upper

200 100

173 26.1 5.9 45.9

215 45.9 25.2 65.2



#70

Pentachlorophenol

Concen: 83.676 ng

RT: 11.133 min Scan# 1537

Delta R.T. -0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

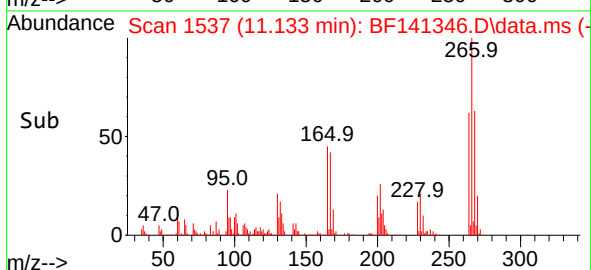
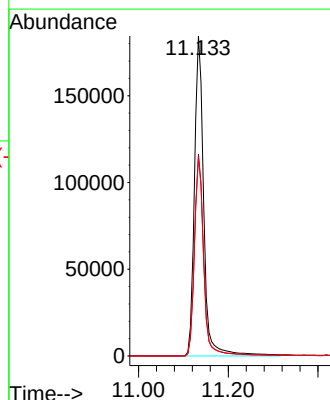
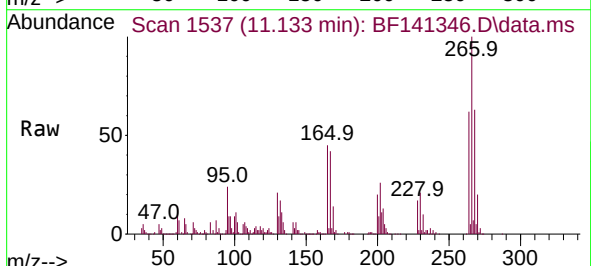
Tgt Ion:266 Resp: 266010

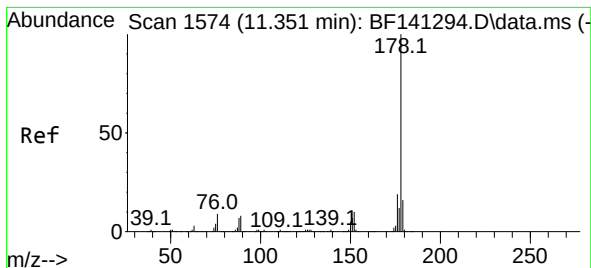
Ion Ratio Lower Upper

266 100

268 62.9 49.9 74.9

264 62.2 51.0 76.4





#71

Phenanthrene

Concen: 42.741 ng

RT: 11.351 min Scan# 1574

Delta R.T. -0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

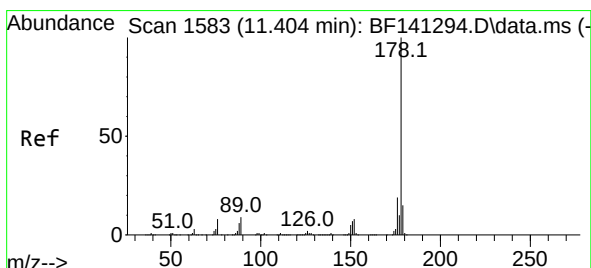
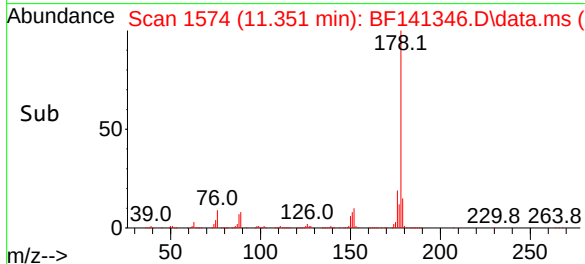
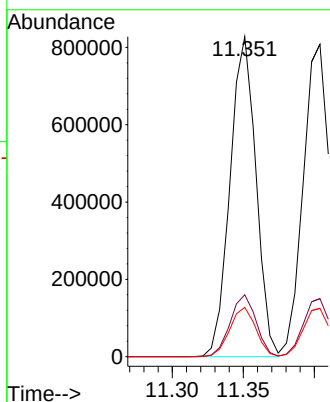
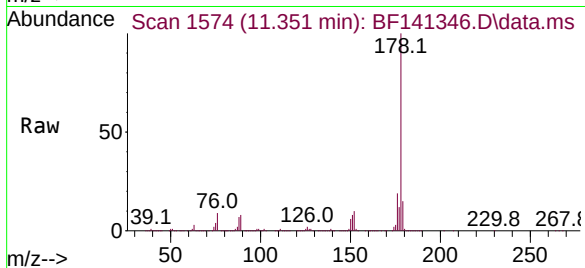
Tgt Ion:178 Resp: 1050315

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 15.4 12.5 18.7



#72

Anthracene

Concen: 43.760 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

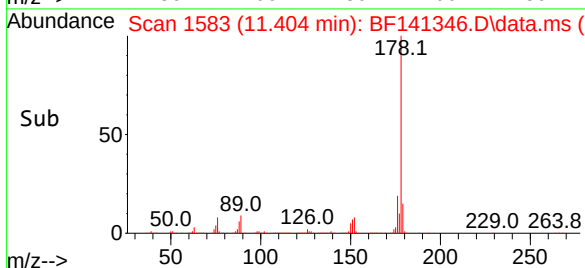
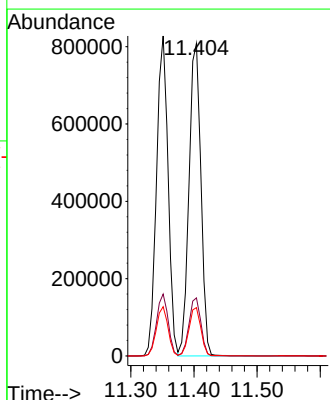
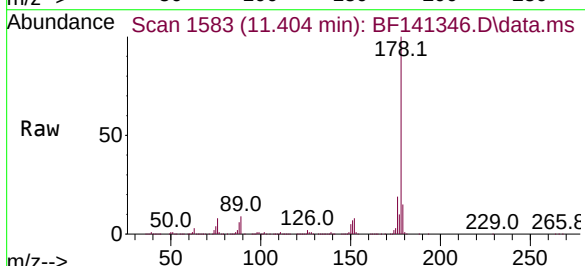
Tgt Ion:178 Resp: 1053645

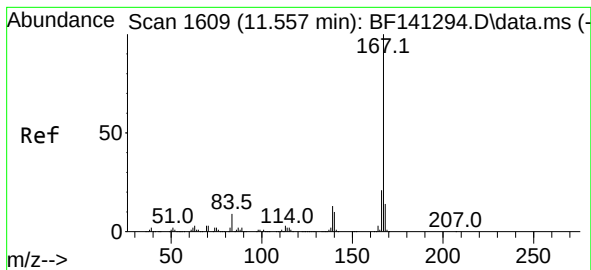
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

179 15.5 12.3 18.5





#73

Carbazole

Concen: 39.021 ng

RT: 11.557 min Scan# 1609

Delta R.T. -0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

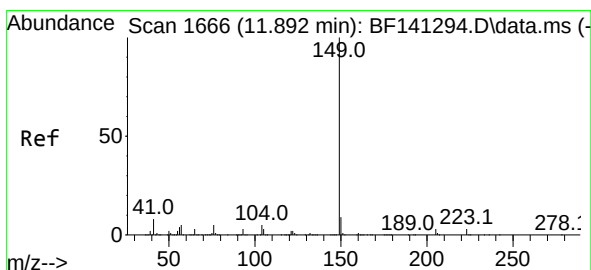
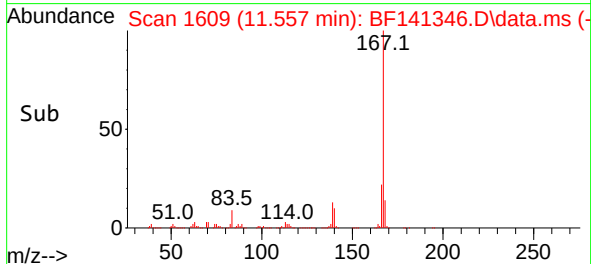
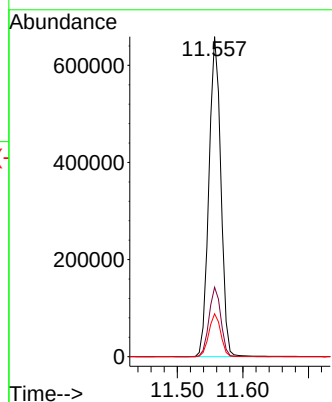
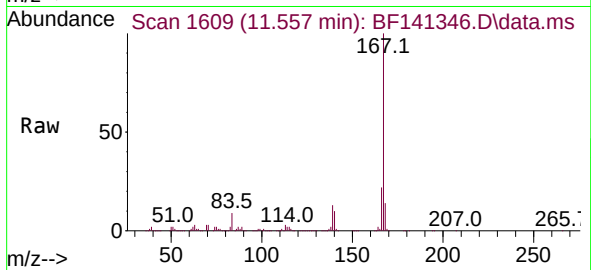
Tgt Ion:167 Resp: 833117

Ion Ratio Lower Upper

167 100

166 21.7 17.0 25.6

139 13.4 10.6 16.0



#74

Di-n-butylphthalate

Concen: 43.908 ng

RT: 11.892 min Scan# 1666

Delta R.T. 0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

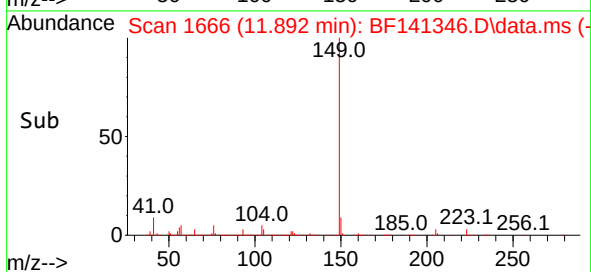
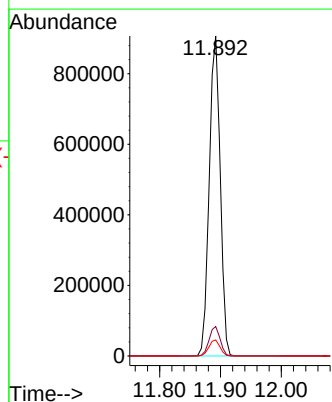
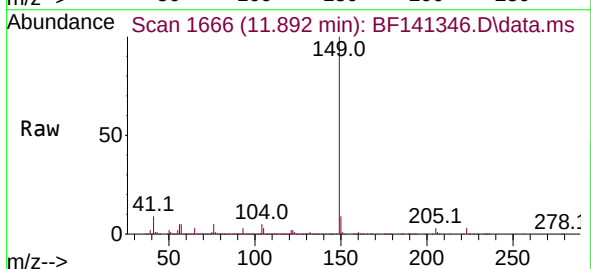
Tgt Ion:149 Resp: 1136082

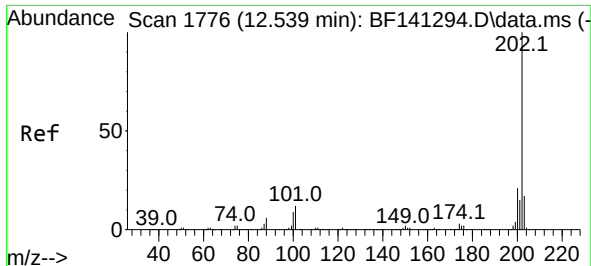
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.2

104 5.0 3.9 5.9

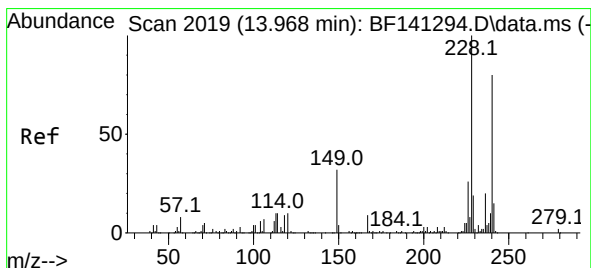
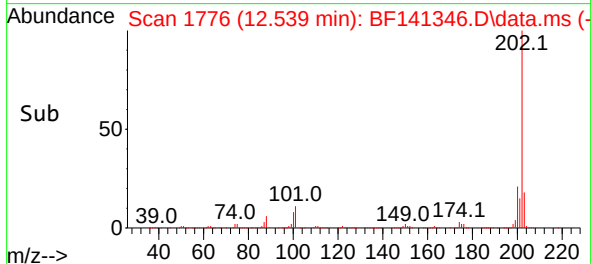
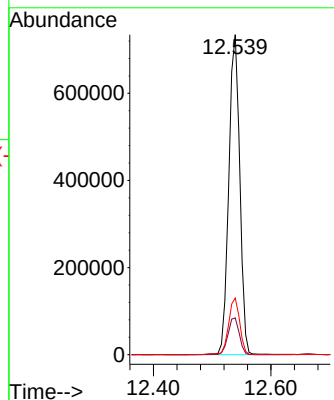
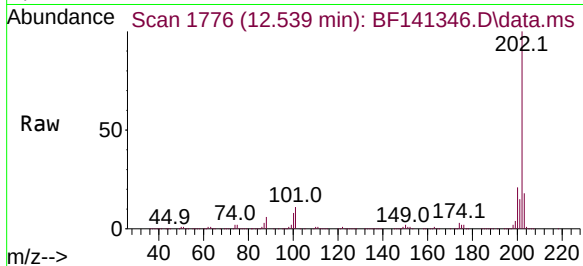




#75
Fluoranthene
Concen: 39.185 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

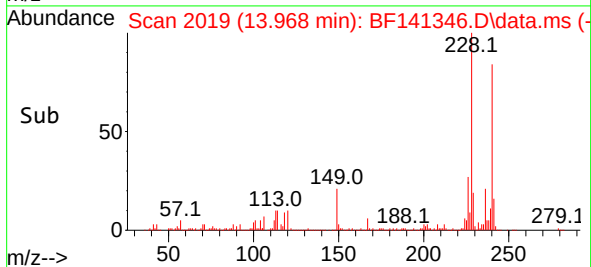
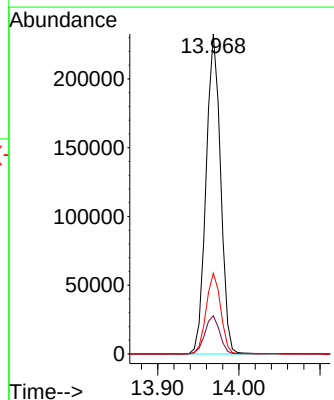
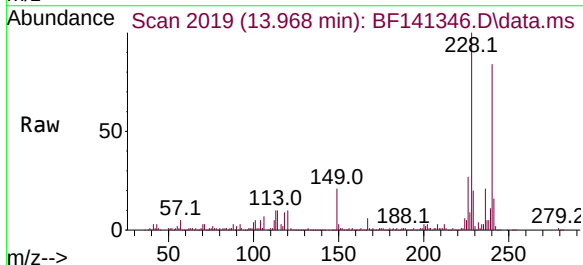
Instrument :
BNA_F
ClientSampleId :
357MSD

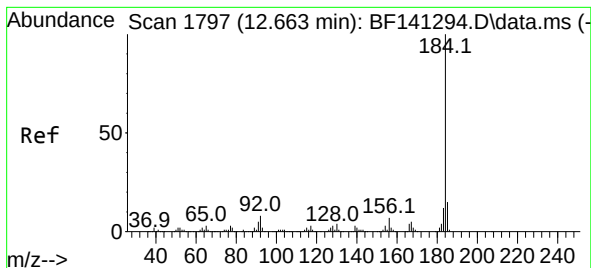
Tgt Ion:202 Resp: 950787
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.7
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:240 Resp: 288493
Ion Ratio Lower Upper
240 100
120 11.9 10.0 15.0
236 25.3 19.7 29.5





#77

Benzidine

Concen: 43.495 ng

RT: 12.663 min Scan# 1797

Delta R.T. -0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

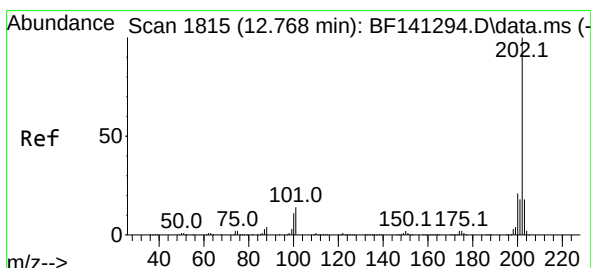
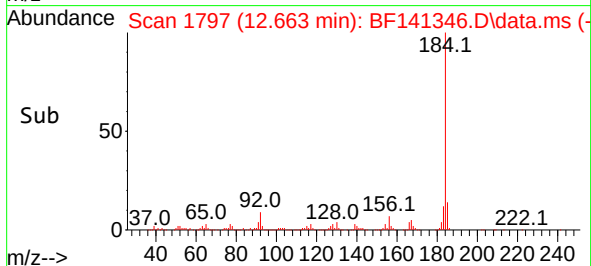
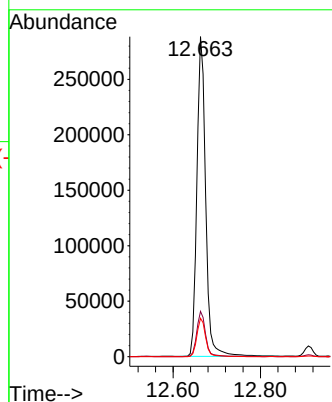
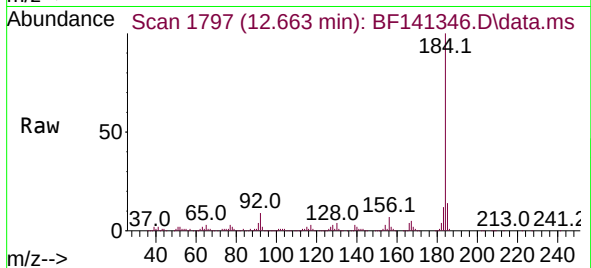
Tgt Ion:184 Resp: 402266

Ion Ratio Lower Upper

184 100

185 14.1 11.9 17.9

183 12.0 9.5 14.3



#78

Pyrene

Concen: 34.219 ng

RT: 12.769 min Scan# 1815

Delta R.T. -0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

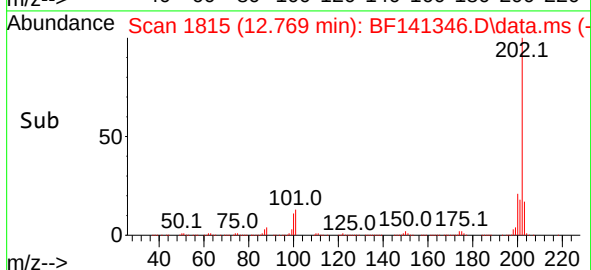
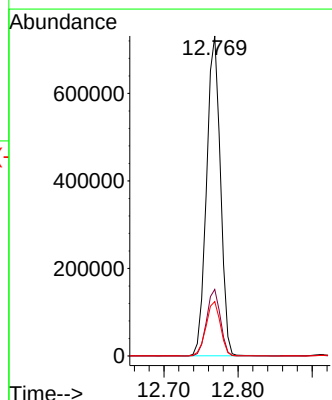
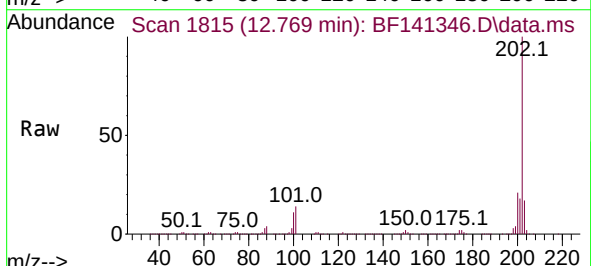
Tgt Ion:202 Resp: 947624

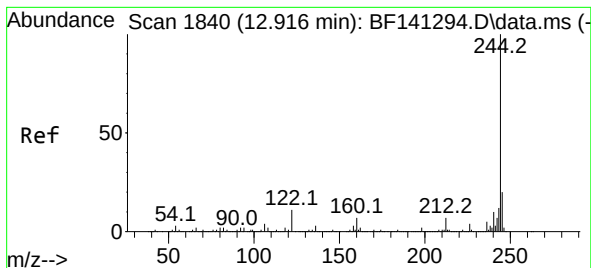
Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

203 17.0 14.3 21.5





#79

Terphenyl-d14

Concen: 49.697 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

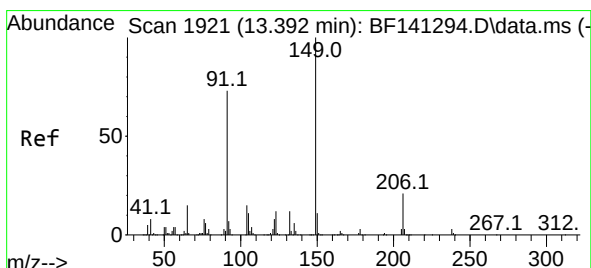
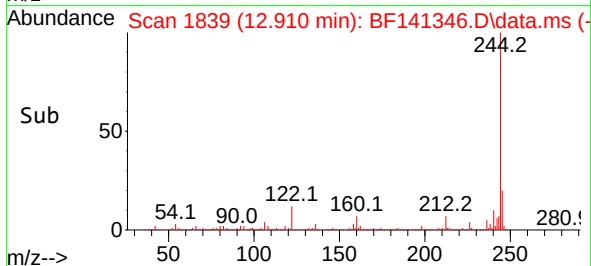
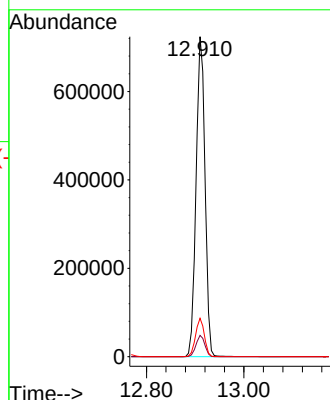
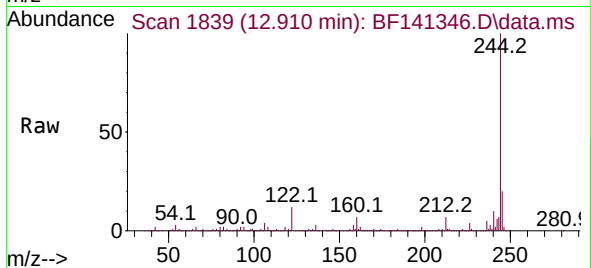
Tgt Ion:244 Resp: 929665

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 12.0 8.8 13.2



#80

Butylbenzylphthalate

Concen: 39.340 ng

RT: 13.392 min Scan# 1921

Delta R.T. -0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

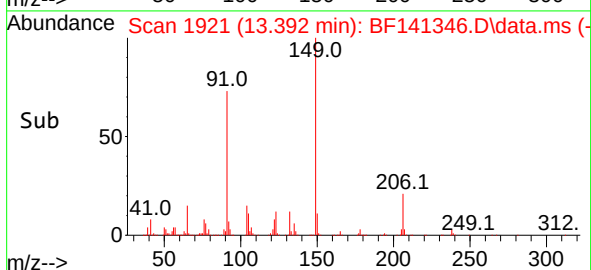
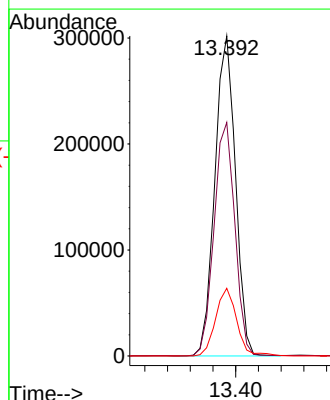
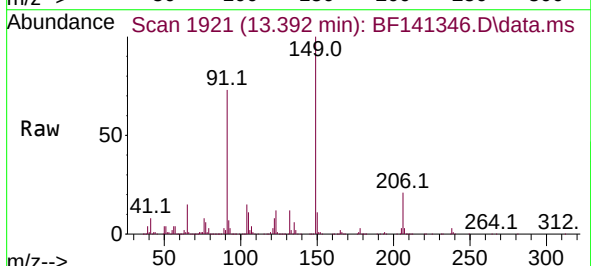
Tgt Ion:149 Resp: 380601

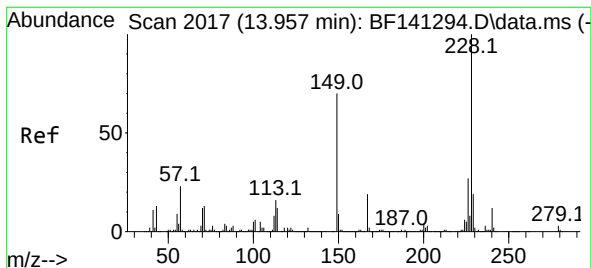
Ion Ratio Lower Upper

149 100

91 73.0 58.6 87.8

206 21.2 16.7 25.1





#81

Benzo(a)anthracene

Concen: 39.373 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

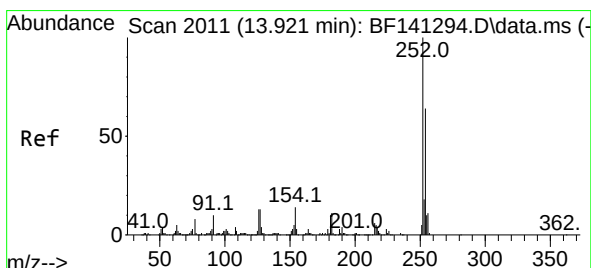
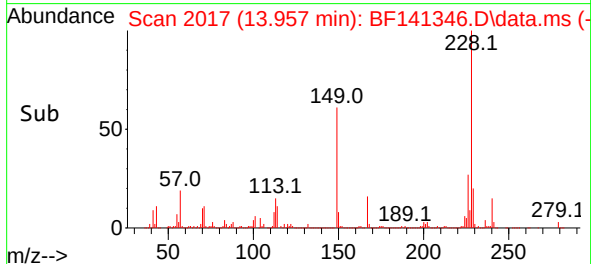
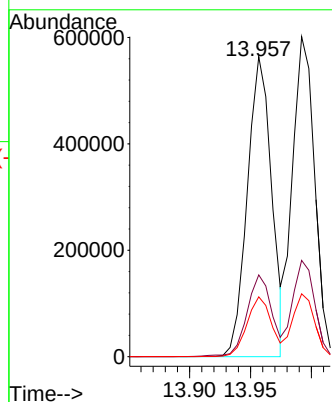
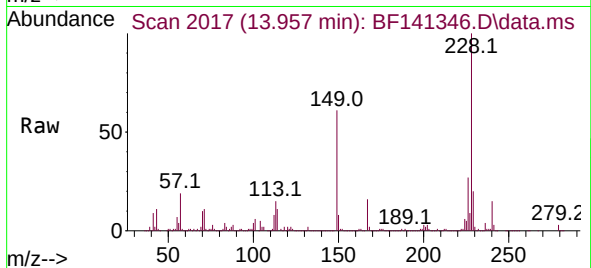
Tgt Ion:228 Resp: 783821

Ion Ratio Lower Upper

228 100

226 27.3 21.4 32.2

229 19.9 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 31.995 ng

RT: 13.921 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

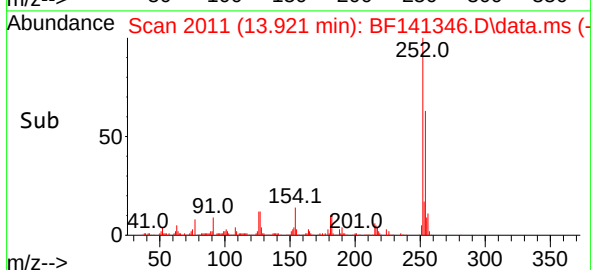
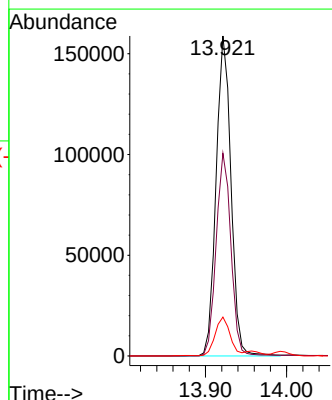
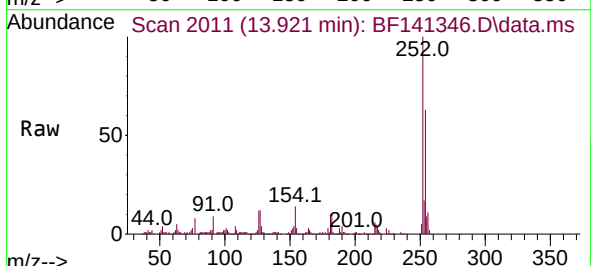
Tgt Ion:252 Resp: 202580

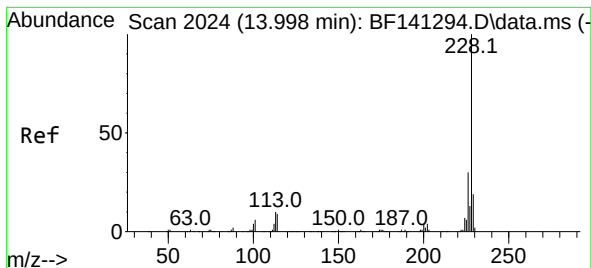
Ion Ratio Lower Upper

252 100

254 63.3 51.3 76.9

126 12.1 10.0 15.0





#83

Chrysene

Concen: 41.606 ng

RT: 13.992 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

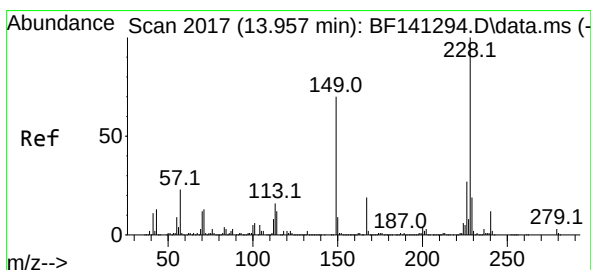
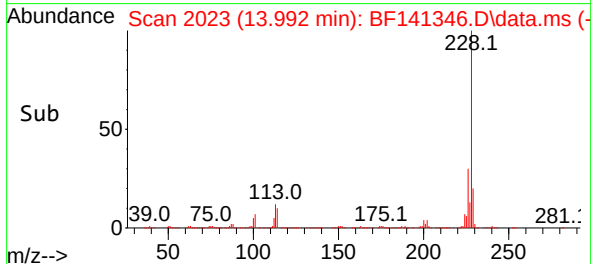
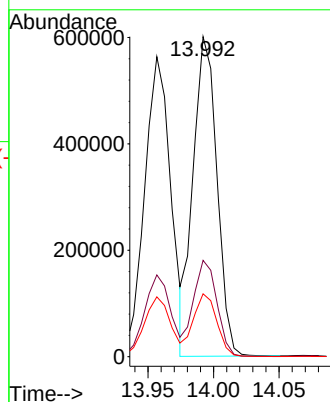
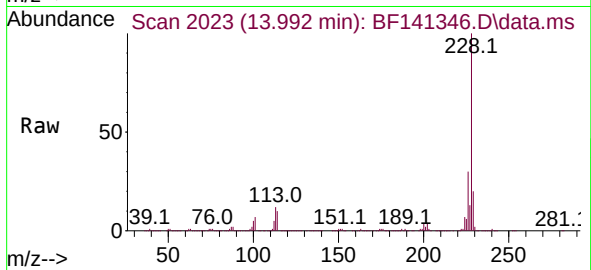
Tgt Ion:228 Resp: 759093

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.154 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

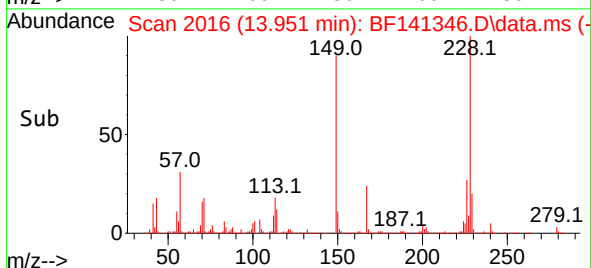
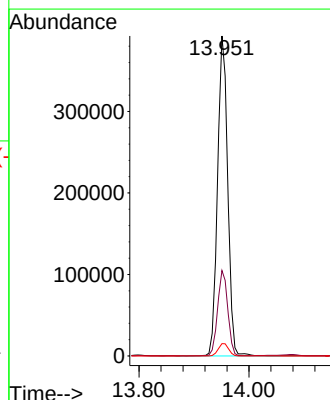
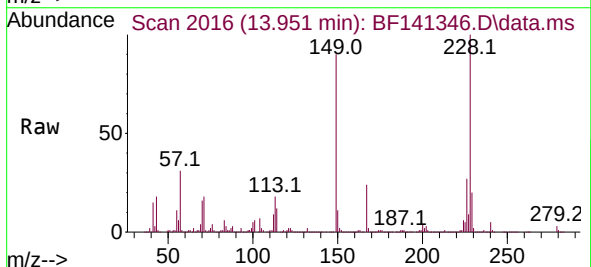
Tgt Ion:149 Resp: 505063

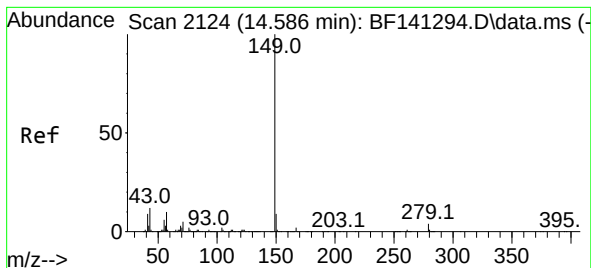
Ion Ratio Lower Upper

149 100

167 26.7 21.8 32.8

279 3.9 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 47.113 ng

RT: 14.568 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

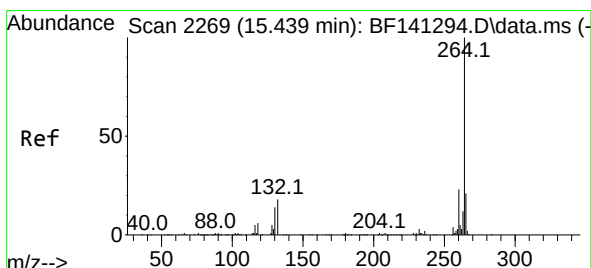
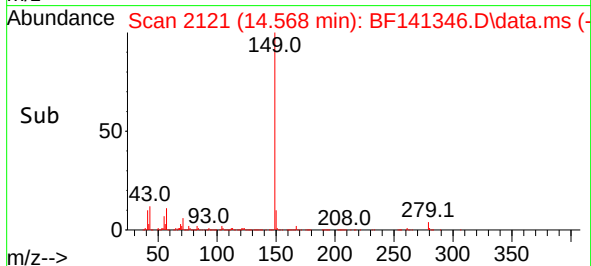
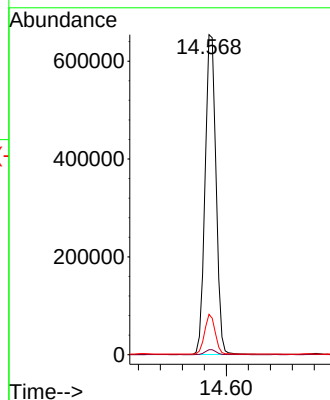
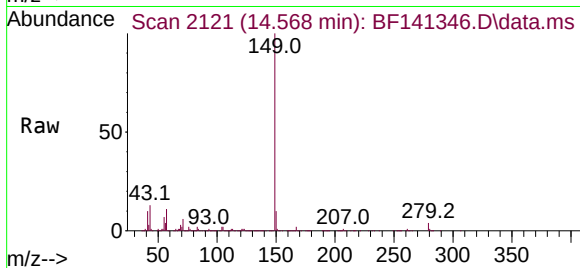
Tgt Ion:149 Resp: 898058

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 12.0 9.8 14.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

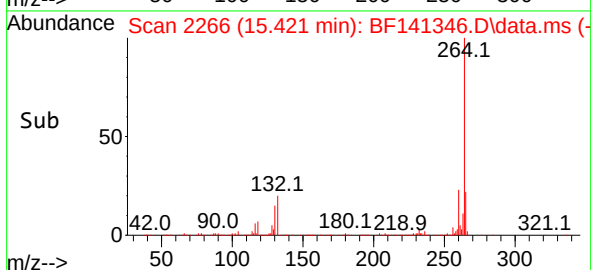
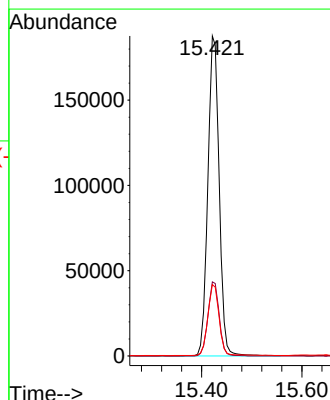
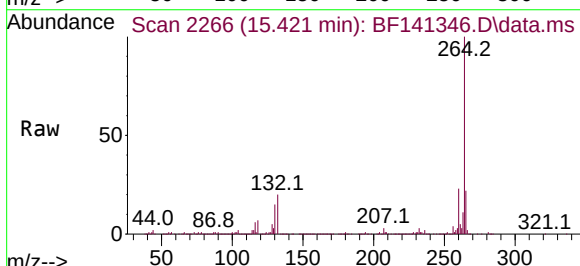
Tgt Ion:264 Resp: 294341

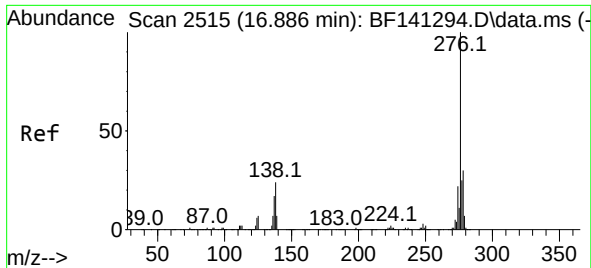
Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 22.3 16.7 25.1

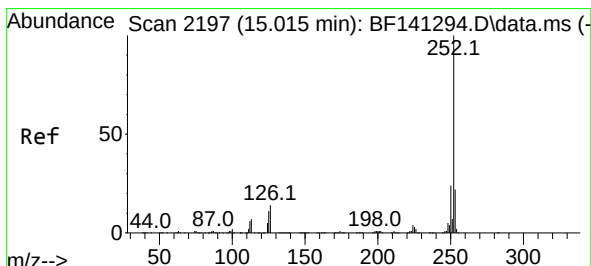
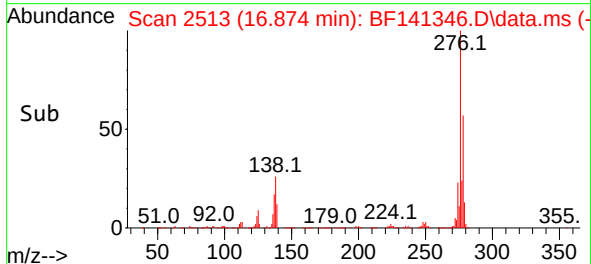
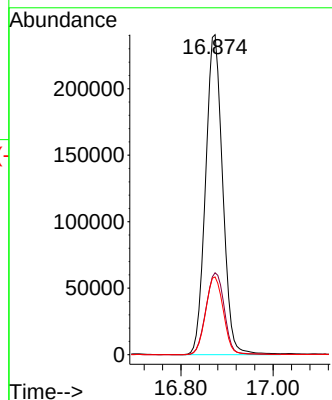
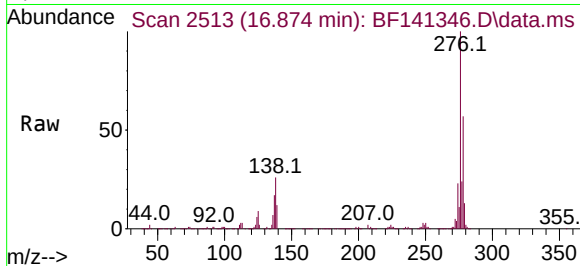




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 32.762 ng
 RT: 16.874 min Scan# 211
 Delta R.T. -0.024 min
 Lab File: BF141346.D
 Acq: 31 Jan 2025 21:50

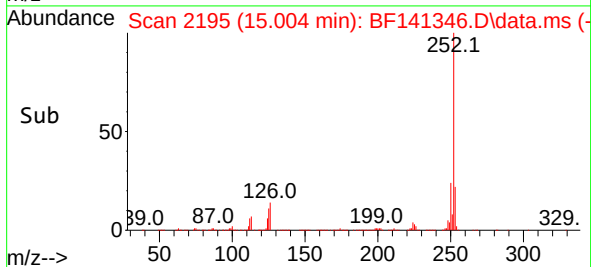
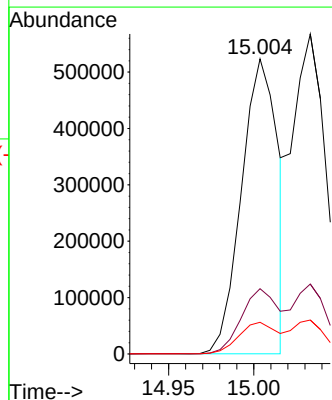
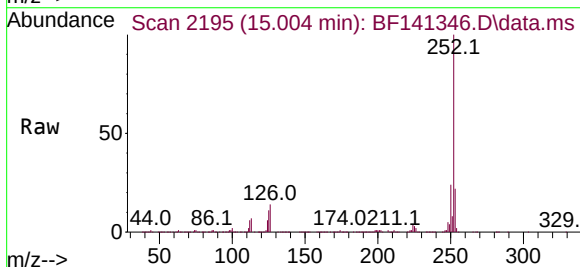
Instrument :
 BNA_F
 ClientSampleId :
 357MSD

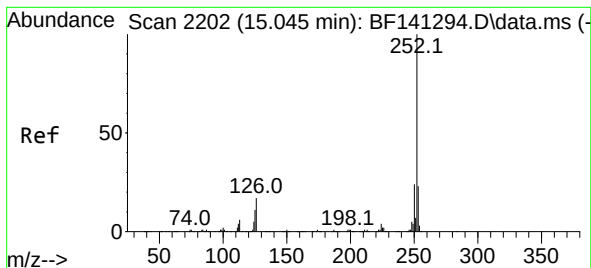
Tgt Ion:276 Resp: 622389
 Ion Ratio Lower Upper
 276 100
 138 27.6 21.7 32.5
 277 25.4 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 41.877 ng
 RT: 15.004 min Scan# 2195
 Delta R.T. -0.018 min
 Lab File: BF141346.D
 Acq: 31 Jan 2025 21:50

Tgt Ion:252 Resp: 775353
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.4 26.2
 125 10.8 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 47.082 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

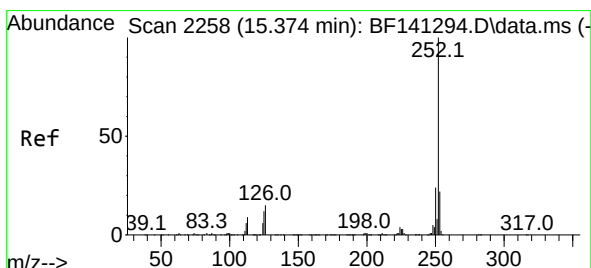
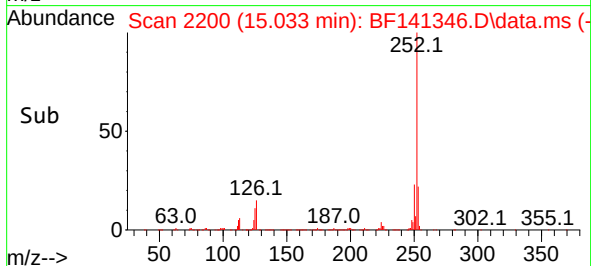
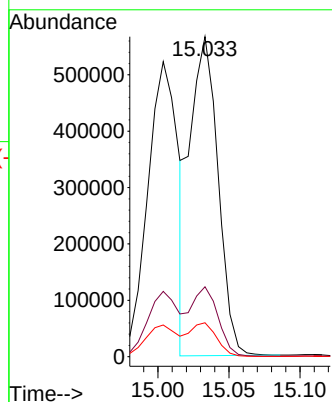
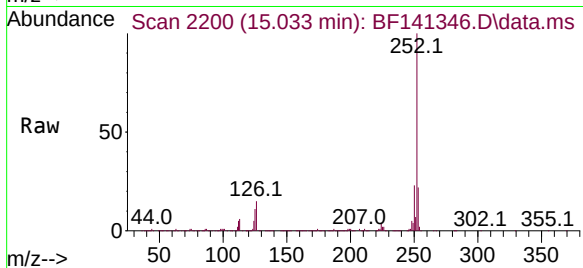
Tgt Ion:252 Resp: 772232

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 10.6 8.4 12.6



#90

Benzo(a)pyrene

Concen: 45.164 ng

RT: 15.362 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

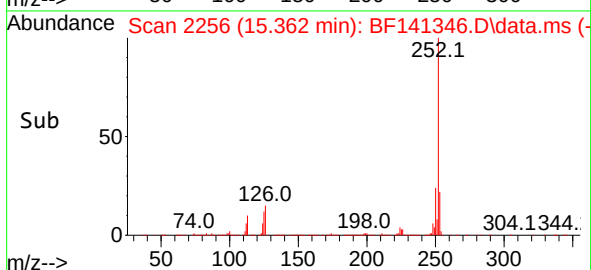
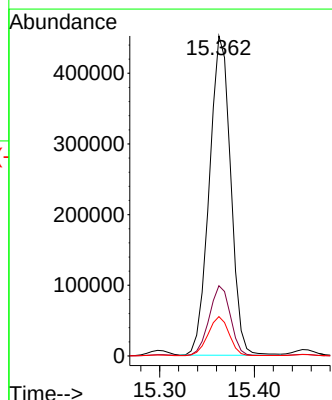
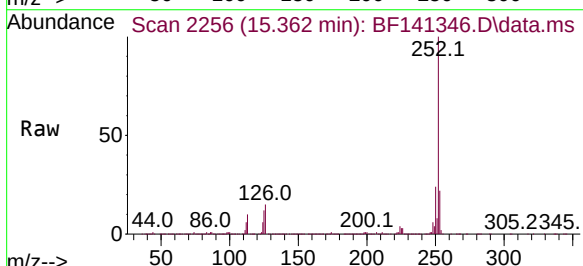
Tgt Ion:252 Resp: 706630

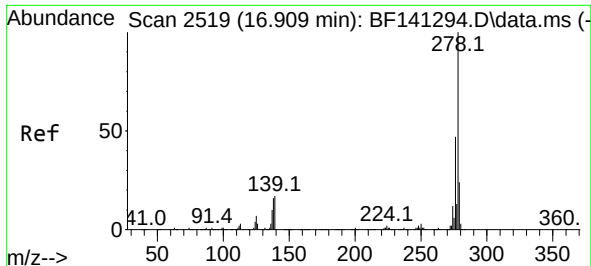
Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 12.3 9.4 14.2

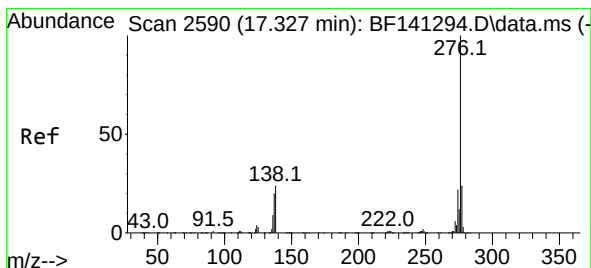
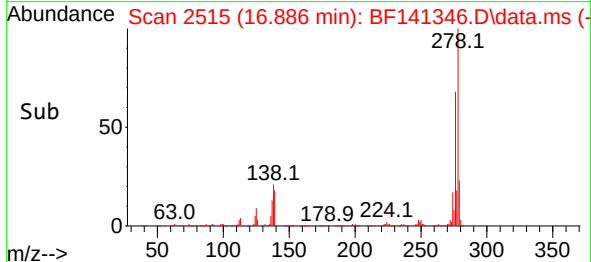
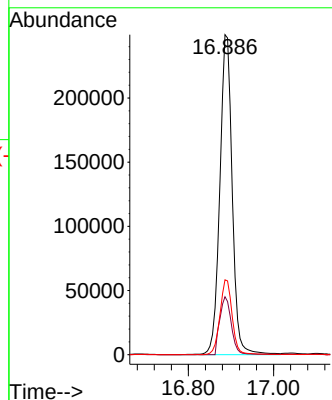
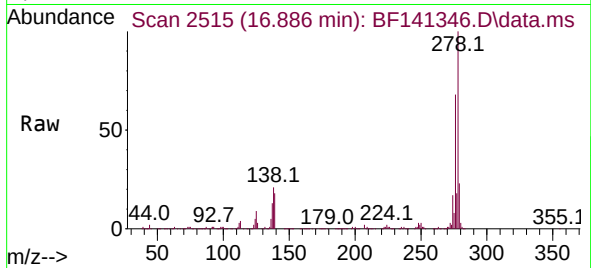




#91
 Dibenzo(a,h)anthracene
 Concen: 32.989 ng
 RT: 16.886 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF141346.D
 Acq: 31 Jan 2025 21:50

Instrument :
 BNA_F
 ClientSampleId :
 357MSD

Tgt Ion:278 Resp: 504206
 Ion Ratio Lower Upper
 278 100
 139 18.1 13.9 20.9
 279 23.4 18.8 28.2



#92
 Benzo(g,h,i)perylene
 Concen: 29.328 ng
 RT: 17.304 min Scan# 2586
 Delta R.T. -0.041 min
 Lab File: BF141346.D
 Acq: 31 Jan 2025 21:50

Tgt Ion:276 Resp: 466099
 Ion Ratio Lower Upper
 276 100
 277 24.0 19.2 28.8
 138 24.3 19.0 28.4

