

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141947.D
 Acq On : 13 Mar 2025 18:13
 Operator : RC/JU
 Sample : Q1547-01MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-620-JB-COMP-01MSD

Quant Time: Mar 13 18:31:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	168885	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	691920	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	387671	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	653706	20.000	ng	0.00
76) Chrysene-d12	14.033	240	386399	20.000	ng	0.00
86) Perylene-d12	15.504	264	377173	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1169473	115.570	ng	0.01
7) Phenol-d6	6.504	99	1471262	114.193	ng	0.00
23) Nitrobenzene-d5	7.440	82	982581	79.916	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	583669	118.677	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1958945	76.848	ng	0.00
79) Terphenyl-d14	12.980	244	1966669	75.249	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.775	88	204828	48.309	ng	100
3) Pyridine	3.522	79	476454	45.811	ng	98
4) n-Nitrosodimethylamine	3.475	42	231061	46.606	ng	100
6) Aniline	6.540	93	278403	21.904	ng	99
8) 2-Chlorophenol	6.663	128	551562	49.146	ng	99
9) Benzaldehyde	6.428	77	166837	23.154	ng	100
10) Phenol	6.516	94	658886	48.611	ng	99
11) bis(2-Chloroethyl)ether	6.610	93	477385	46.905	ng	100
12) 1,3-Dichlorobenzene	6.816	146	581106	47.960	ng	100
13) 1,4-Dichlorobenzene	6.893	146	588669	48.018	ng	99
14) 1,2-Dichlorobenzene	7.045	146	563557	48.806	ng	99
15) Benzyl Alcohol	7.016	79	493158	47.346	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	550464	44.799	ng	99
17) 2-Methylphenol	7.128	107	446045	49.986	ng	99
18) Hexachloroethane	7.387	117	219931	47.841	ng	98
19) n-Nitroso-di-n-propyla...	7.293	70	375698	45.381	ng	99
20) 3+4-Methylphenols	7.275	107	552362	48.327	ng	94
22) Acetophenone	7.287	105	832250	50.227	ng	99
24) Nitrobenzene	7.457	77	578250	47.309	ng	100
25) Isophorone	7.698	82	1037223	47.724	ng	99
26) 2-Nitrophenol	7.775	139	296927	49.496	ng	99
27) 2,4-Dimethylphenol	7.804	122	481531	58.294	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	621022	45.558	ng	99
29) 2,4-Dichlorophenol	8.010	162	480443	46.859	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	521823	46.183	ng	98
31) Naphthalene	8.181	128	1600320	45.025	ng	100
32) Benzoic acid	7.934	122	399031	54.955	ng	99
33) 4-Chloroaniline	8.222	127	82150	6.547	ng	97
34) Hexachlorobutadiene	8.298	225	344413	46.740	ng	99
35) Caprolactam	8.604	113	99816	31.932	ng	91
36) 4-Chloro-3-methylphenol	8.704	107	526797	46.060	ng	100
37) 2-Methylnaphthalene	8.869	142	1047722	44.101	ng	100
38) 1-Methylnaphthalene	8.969	142	1023979	44.666	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	619515	52.488	ng	98
41) Hexachlorocyclopentadiene	9.022	237	715526	154.902	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	388179	50.323	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141947.D
 Acq On : 13 Mar 2025 18:13
 Operator : RC/JU
 Sample : Q1547-01MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

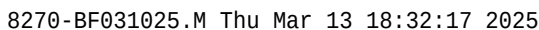
Instrument :
 BNA_F
 ClientSampleId :
 OR-620-JB-COMP-01MSD

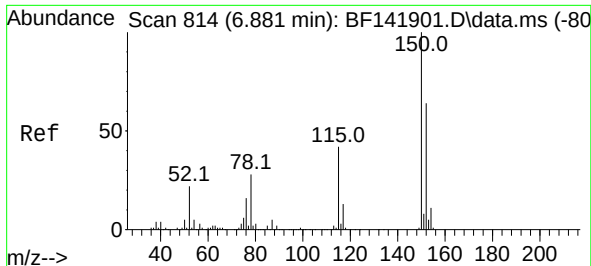
Quant Time: Mar 13 18:31:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	368503	47.168	ng	100
46) 1,1'-Biphenyl	9.334	154	1516984	51.500	ng	100
47) 2-Chloronaphthalene	9.363	162	1035869	47.182	ng	99
48) 2-Nitroaniline	9.451	65	303853	47.799	ng	99
49) Acenaphthylene	9.775	152	1617230	49.638	ng	100
50) Dimethylphthalate	9.634	163	1246295	45.908	ng	99
51) 2,6-Dinitrotoluene	9.698	165	270588	47.871	ng	95
52) Acenaphthene	9.945	154	1215086	53.070	ng	99
53) 3-Nitroaniline	9.863	138	99521	17.357	ng	99
54) 2,4-Dinitrophenol	9.969	184	324255	99.243	ng	# 52
55) Dibenzofuran	10.122	168	1469426	44.915	ng	99
56) 4-Nitrophenol	10.022	139	436146	100.869	ng	99
57) 2,4-Dinitrotoluene	10.098	165	372369	50.439	ng	99
58) Fluorene	10.463	166	1169404	46.351	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	332927	46.831	ng	99
60) Diethylphthalate	10.333	149	1221129	45.111	ng	100
61) 4-Chlorophenyl-phenylether	10.451	204	609217	46.317	ng	100
62) 4-Nitroaniline	10.481	138	248793	44.571	ng	99
63) Azobenzene	10.616	77	1294282	51.428	ng	93
65) 4,6-Dinitro-2-methylph...	10.504	198	203925	52.328	ng	97
66) n-Nitrosodiphenylamine	10.575	169	1004332	47.477	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	387252	47.170	ng	97
68) Hexachlorobenzene	11.010	284	437725	48.613	ng	96
69) Atrazine	11.098	200	396828	61.191	ng	100
70) Pentachlorophenol	11.198	266	538483	97.063	ng	99
71) Phenanthrene	11.428	178	1659160	46.990	ng	100
72) Anthracene	11.475	178	1685714	47.587	ng	100
73) Carbazole	11.628	167	1384515	45.320	ng	100
74) Di-n-butylphthalate	11.957	149	1808285	44.609	ng	100
75) Fluoranthene	12.610	202	1615657	43.137	ng	100
77) Benzidine	12.727	184	400196	74.234	ng	100
78) Pyrene	12.839	202	1564324	46.802	ng	100
80) Butylbenzylphthalate	13.457	149	605021	46.248	ng	98
81) Benzo(a)anthracene	14.021	228	1270257	50.098	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	206032	28.118	ng	99
83) Chrysene	14.063	228	1062481	46.227	ng	100
84) Bis(2-ethylhexyl)phtha...	14.010	149	820927	45.512	ng	100
85) Di-n-octyl phthalate	14.621	149	1250691	49.833	ng	99
87) Indeno(1,2,3-cd)pyrene	16.992	276	1234951	50.615	ng	98
88) Benzo(b)fluoranthene	15.074	252	1115662	43.159	ng	100
89) Benzo(k)fluoranthene	15.104	252	1052468	47.577	ng	99
90) Benzo(a)pyrene	15.439	252	1020351	50.446	ng	99
91) Dibenzo(a,h)anthracene	17.010	278	1014043	50.373	ng	98
92) Benzo(g,h,i)perylene	17.439	276	915674	46.029	ng	99

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

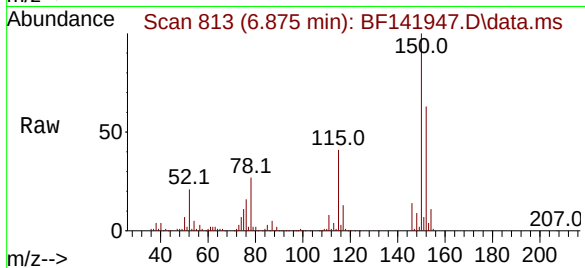
Quant Time: Mar 13 18:31:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



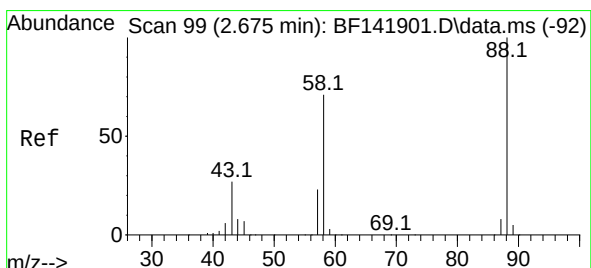
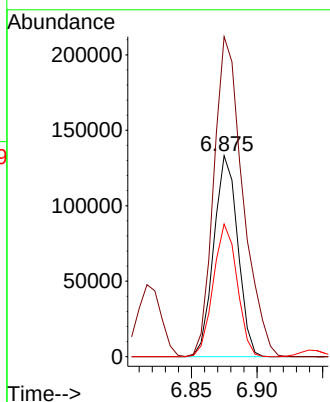
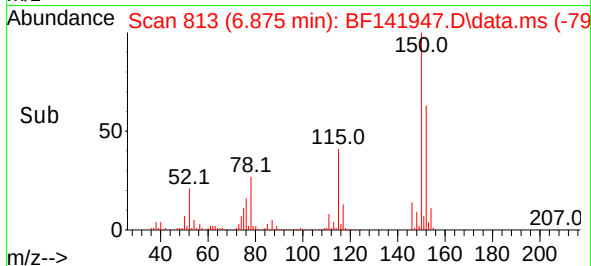


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01MSD

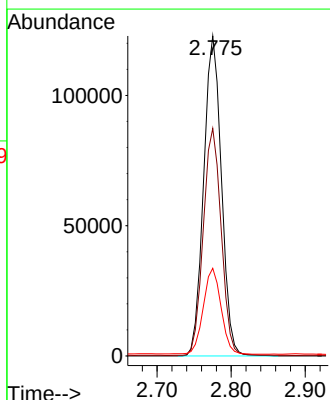
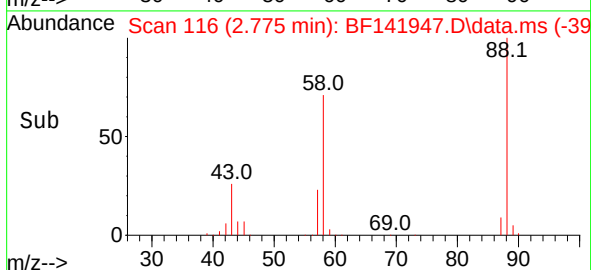
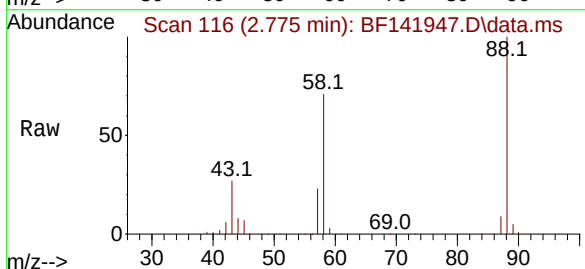


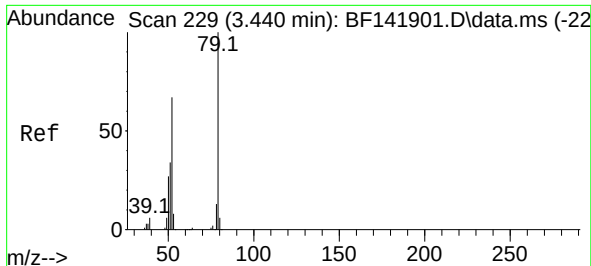
Tgt Ion:152 Resp: 168885
Ion Ratio Lower Upper
152 100
150 159.3 127.4 191.2
115 66.0 51.9 77.9



#2
1,4-Dioxane
Concen: 48.309 ng
RT: 2.775 min Scan# 116
Delta R.T. 0.100 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Tgt Ion: 88 Resp: 204828
Ion Ratio Lower Upper
88 100
58 71.5 57.4 86.2
43 27.0 21.5 32.3

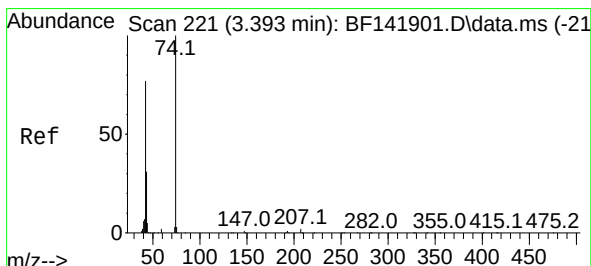
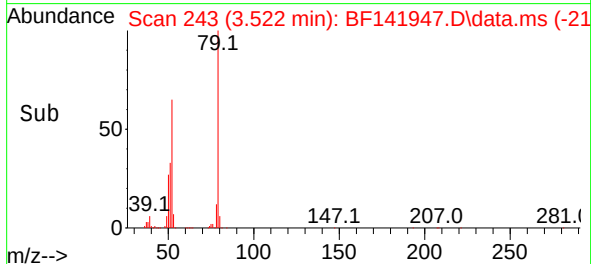
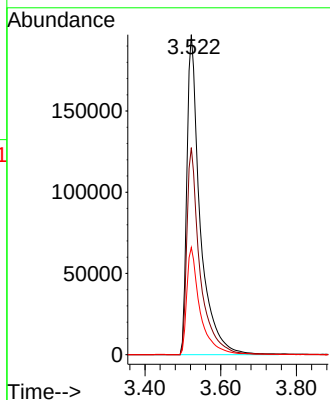
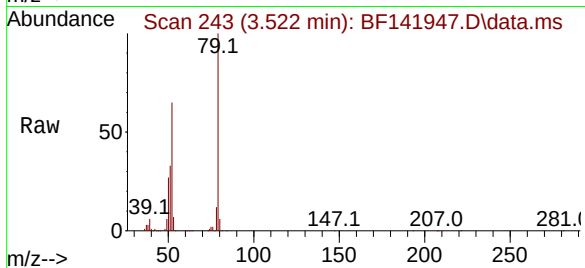




#3
Pyridine
Concen: 45.811 ng
RT: 3.522 min Scan# 243
Delta R.T. 0.083 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

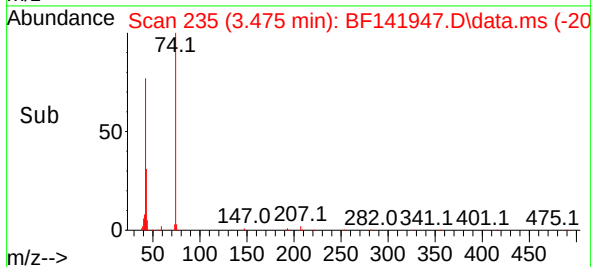
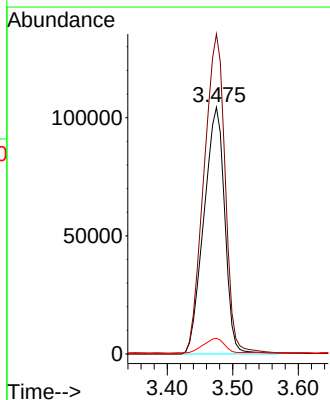
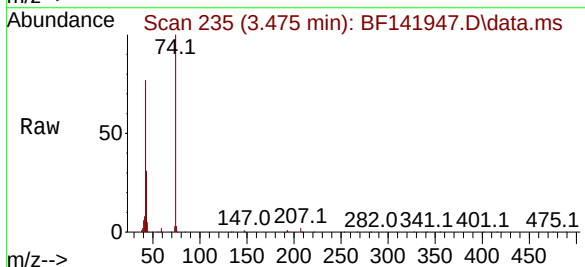
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01MSD

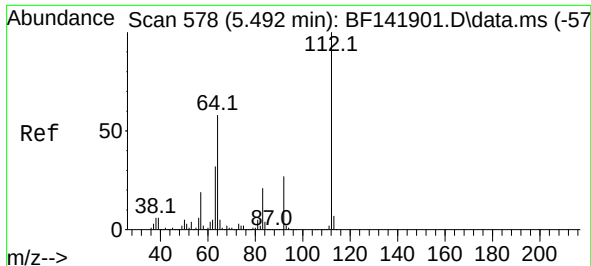
Tgt Ion: 79 Resp: 476454
Ion Ratio Lower Upper
79 100
52 64.7 53.3 79.9
51 33.5 27.6 41.4



#4
n-Nitrosodimethylamine
Concen: 46.606 ng
RT: 3.475 min Scan# 235
Delta R.T. 0.083 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Tgt Ion: 42 Resp: 231061
Ion Ratio Lower Upper
42 100
74 129.7 103.4 155.0
44 6.4 5.0 7.4

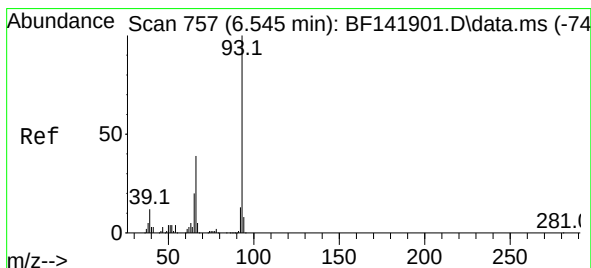
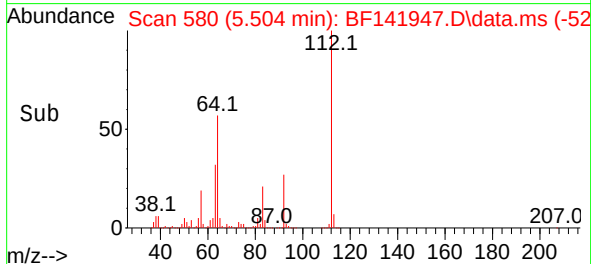
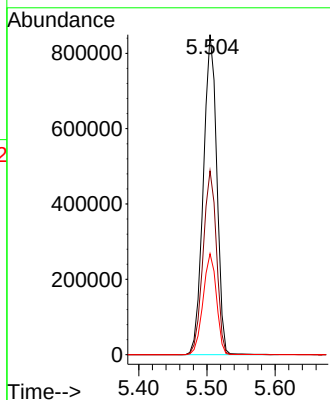
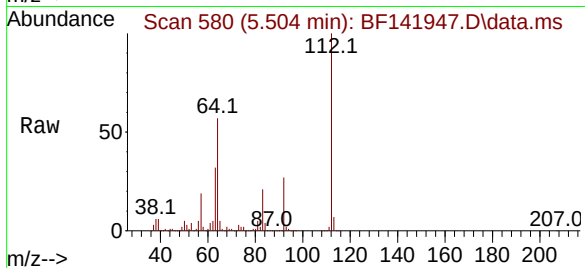




#5
2-Fluorophenol
Concen: 115.570 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

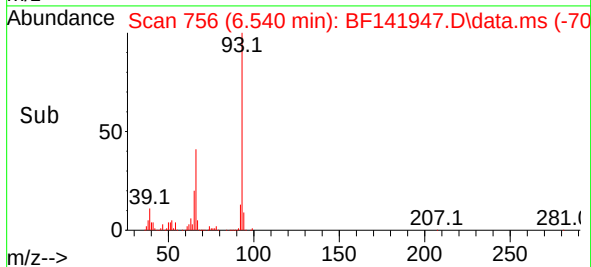
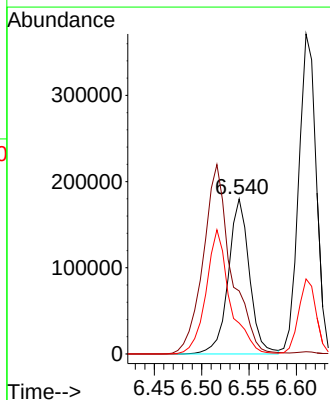
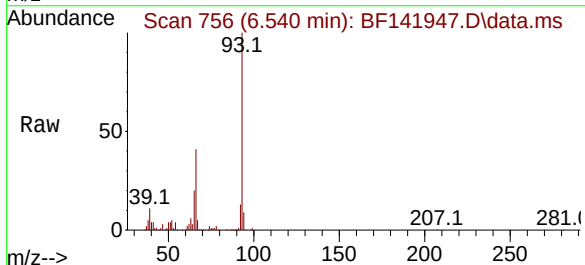
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01MSD

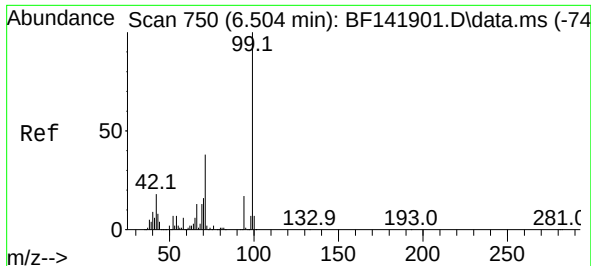
Tgt Ion:112 Resp: 1169473
Ion Ratio Lower Upper
112 100
64 57.4 46.5 69.7
63 31.6 25.4 38.2



#6
Aniline
Concen: 21.904 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Tgt Ion: 93 Resp: 278403
Ion Ratio Lower Upper
93 100
66 40.6 31.9 47.9
65 19.9 15.8 23.6



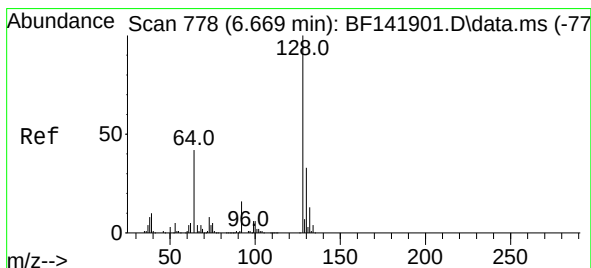
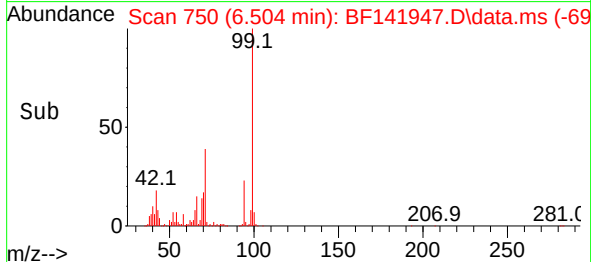
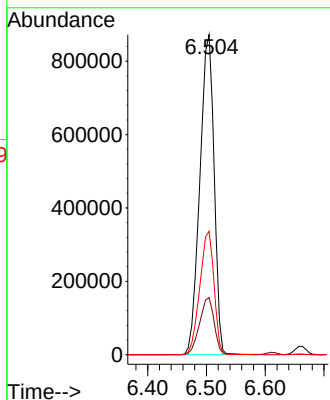
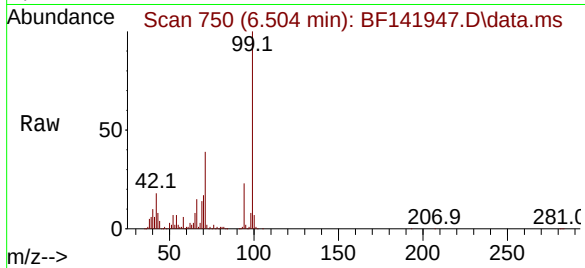


#7
Phenol-d6
Concen: 114.193 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.000 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01MSD

Tgt Ion: 99 Resp: 1471262

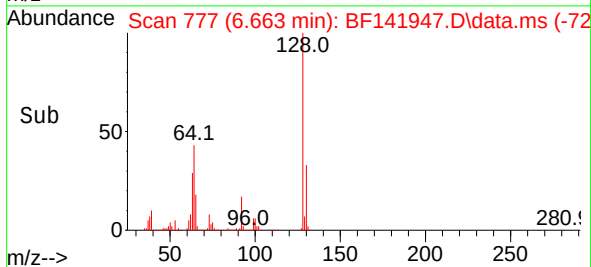
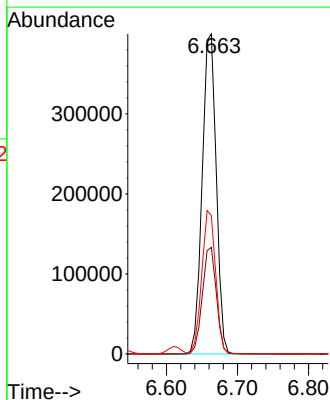
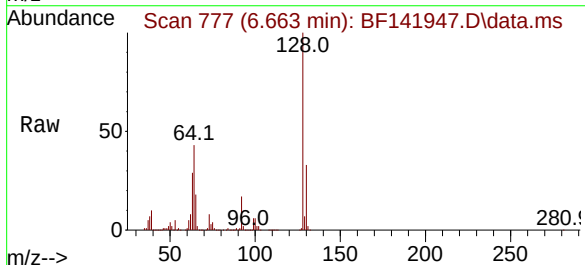
Ion	Ratio	Lower	Upper
99	100		
42	17.9	14.6	21.8
71	38.5	30.8	46.2

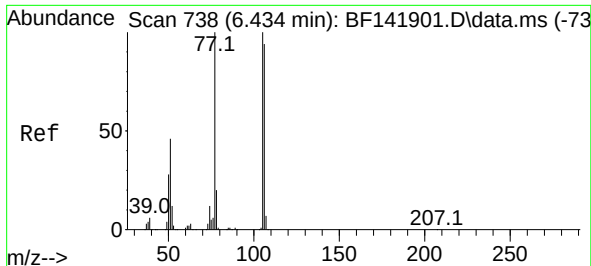


#8
2-Chlorophenol
Concen: 49.146 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Tgt Ion:128 Resp: 551562

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.8	52.8
64	43.3	24.4	64.4





#9

Benzaldehyde

Concen: 23.154 ng

RT: 6.428 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

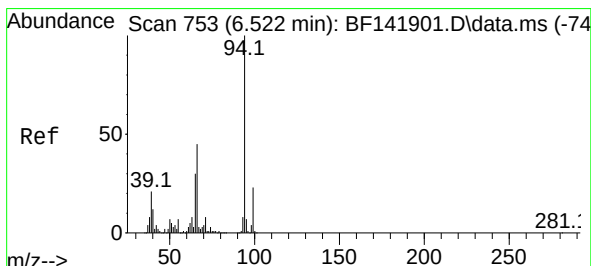
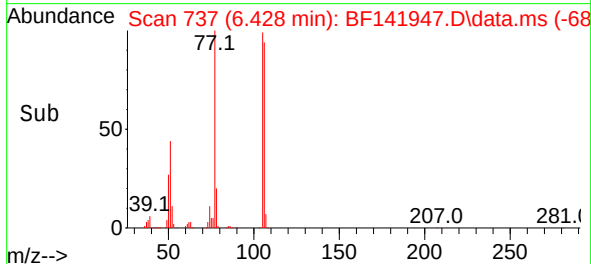
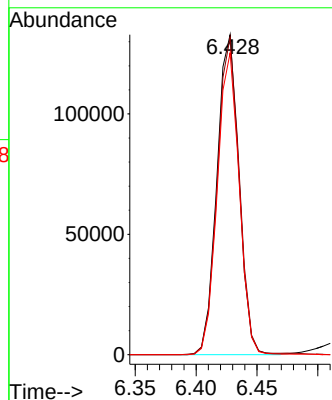
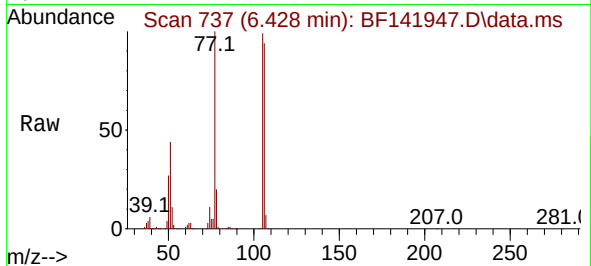
Tgt Ion: 77 Resp: 166837

Ion Ratio Lower Upper

77 100

105 99.2 80.0 120.0

106 94.4 74.5 114.5



#10

Phenol

Concen: 48.611 ng

RT: 6.516 min Scan# 752

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

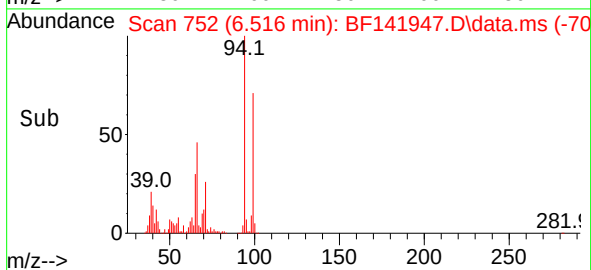
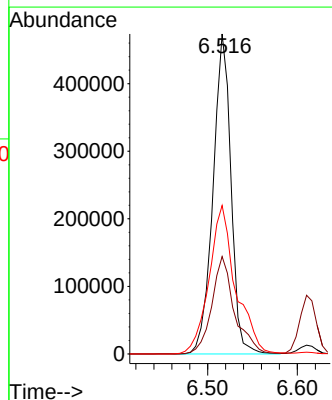
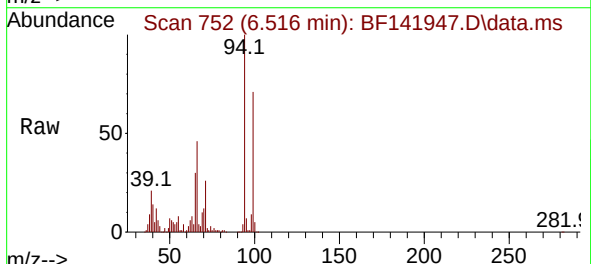
Tgt Ion: 94 Resp: 658886

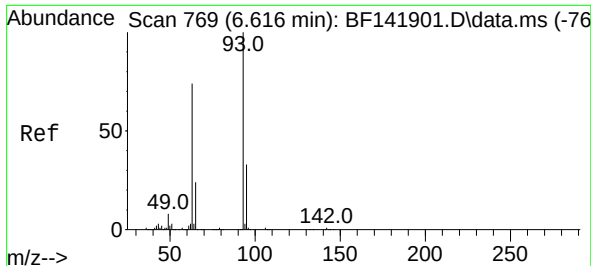
Ion Ratio Lower Upper

94 100

65 30.4 10.5 50.5

66 46.4 25.8 65.8

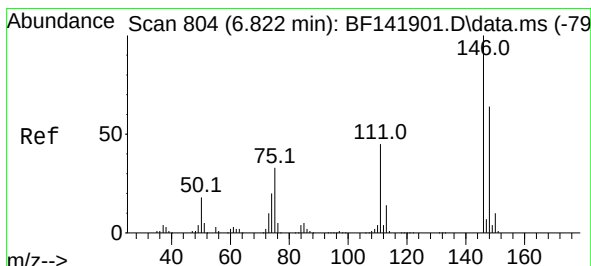
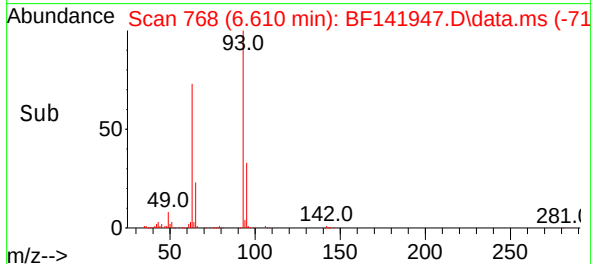
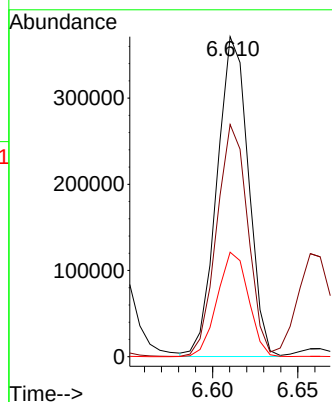
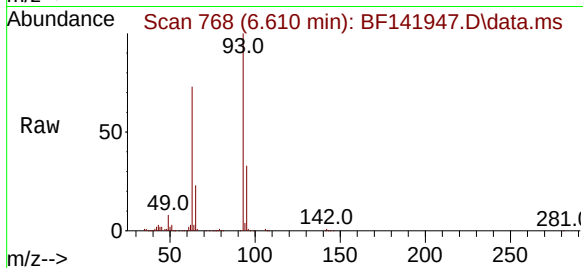




#11
bis(2-Chloroethyl)ether
Concen: 46.905 ng
RT: 6.610 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

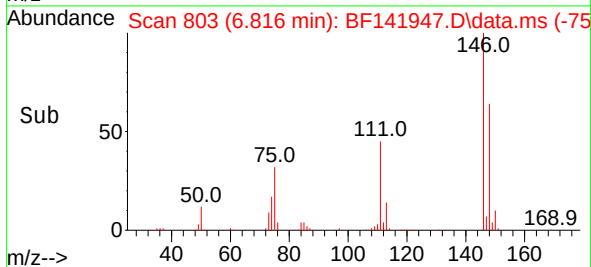
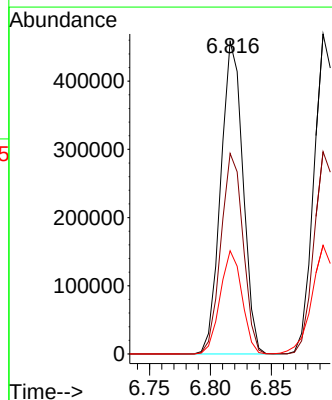
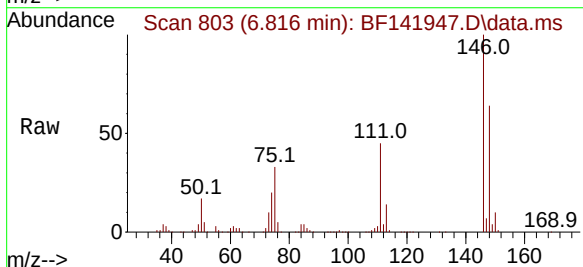
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01MSD

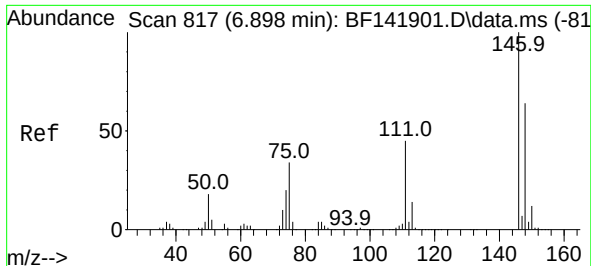
Tgt Ion:	93	Resp:	477385
Ion	Ratio	Lower	Upper
93	100		
63	72.6	53.0	93.0
95	32.6	12.9	52.9



#12
1,3-Dichlorobenzene
Concen: 47.960 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Tgt Ion:	146	Resp:	581106
Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.3	76.9
75	33.0	26.6	40.0





#13

1,4-Dichlorobenzene

Concen: 48.018 ng

RT: 6.893 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

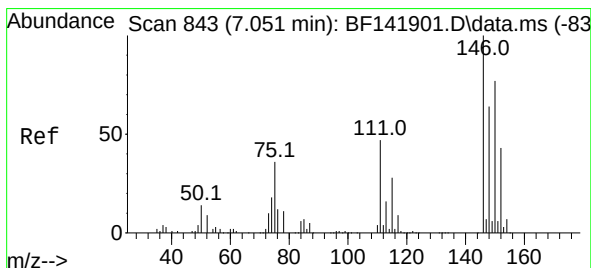
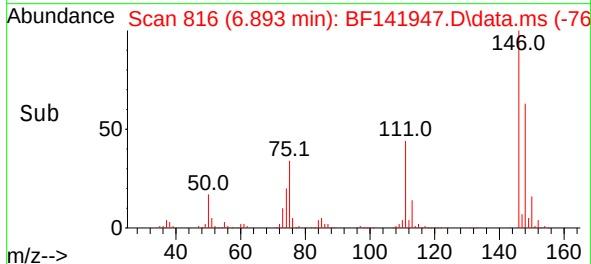
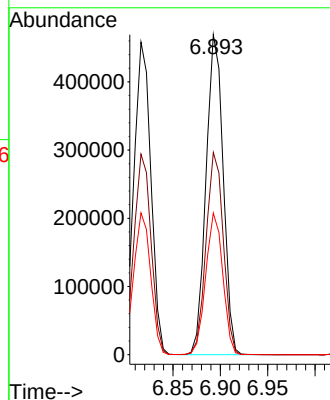
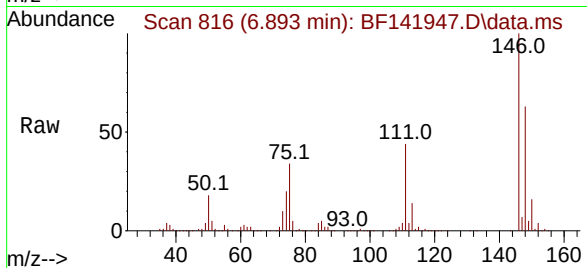
Tgt Ion:146 Resp: 588669

Ion Ratio Lower Upper

146 100

148 63.2 51.0 76.6

111 44.3 35.7 53.5



#14

1,2-Dichlorobenzene

Concen: 48.806 ng

RT: 7.045 min Scan# 842

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

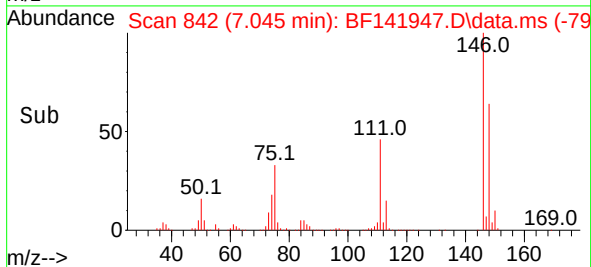
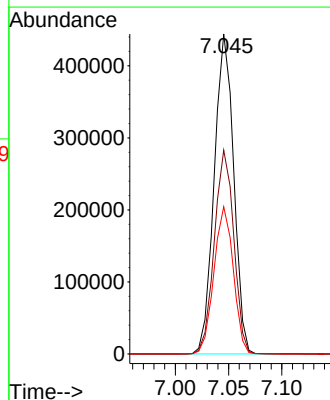
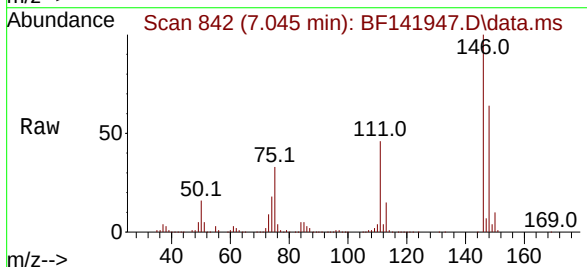
Tgt Ion:146 Resp: 563557

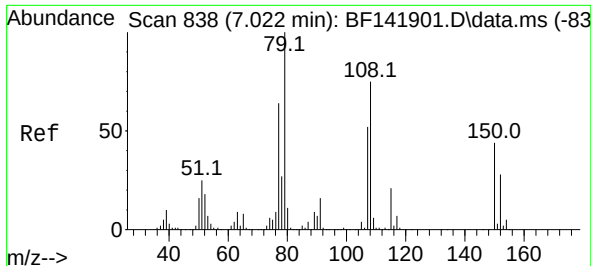
Ion Ratio Lower Upper

146 100

148 63.7 50.8 76.2

111 46.0 38.0 57.0





#15

Benzyl Alcohol

Concen: 47.346 ng

RT: 7.016 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

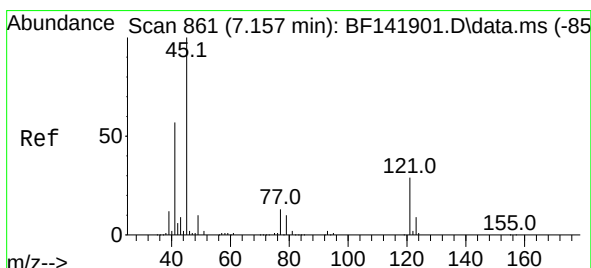
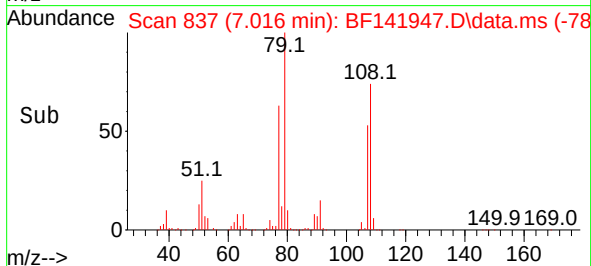
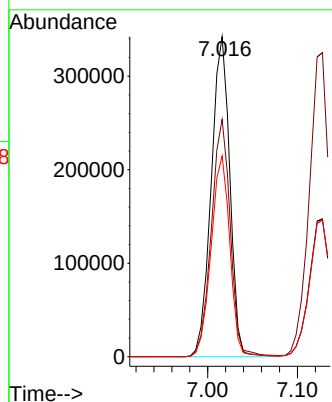
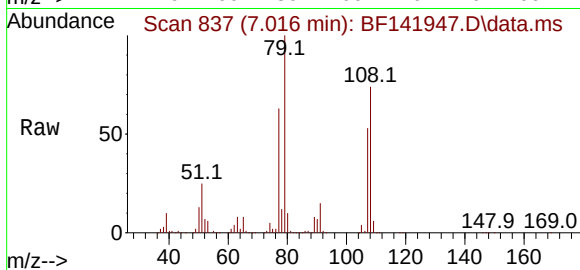
Tgt Ion: 79 Resp: 493158

Ion Ratio Lower Upper

79 100

108 74.1 59.7 89.5

77 62.7 51.0 76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.799 ng

RT: 7.151 min Scan# 860

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

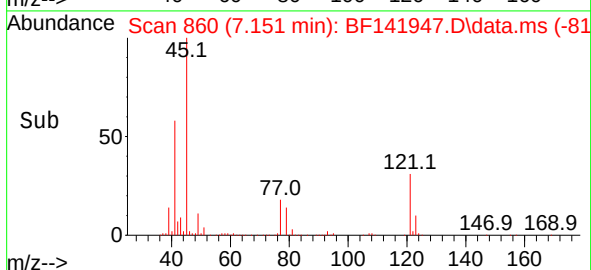
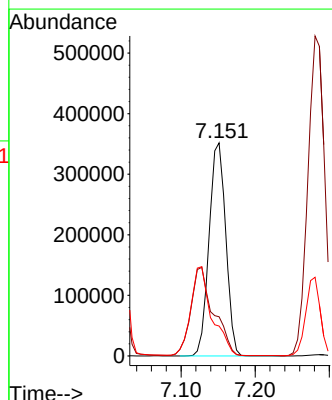
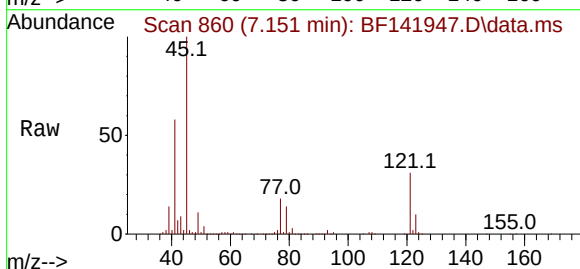
Tgt Ion: 45 Resp: 550464

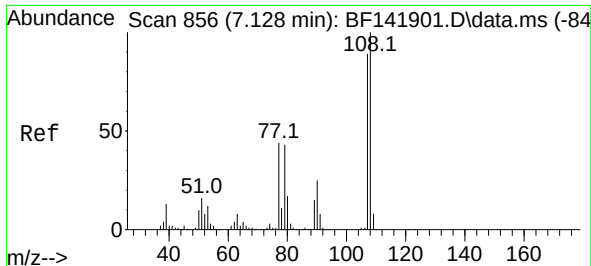
Ion Ratio Lower Upper

45 100

77 18.4 0.0 37.8

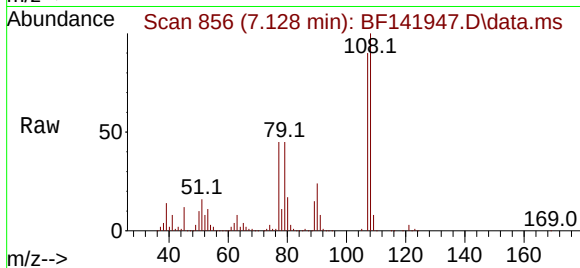
79 14.1 0.0 34.2



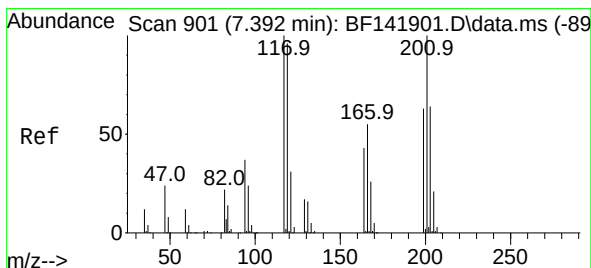
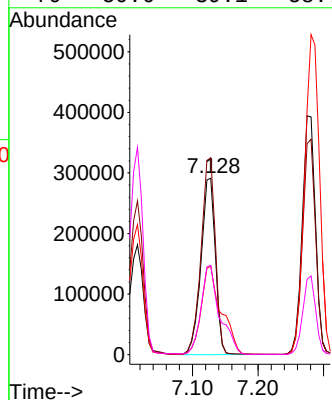
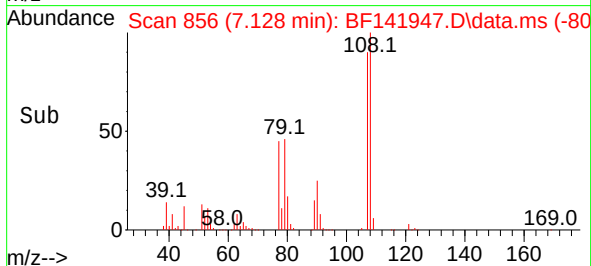


#17
2-Methylphenol
Concen: 49.986 ng
RT: 7.128 min Scan# 856
Delta R.T. 0.000 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01MSD

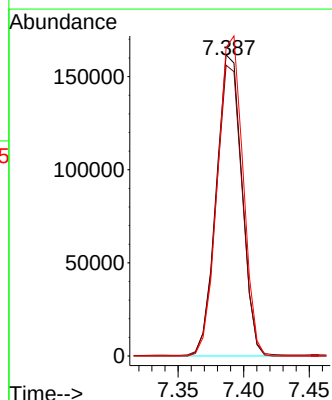
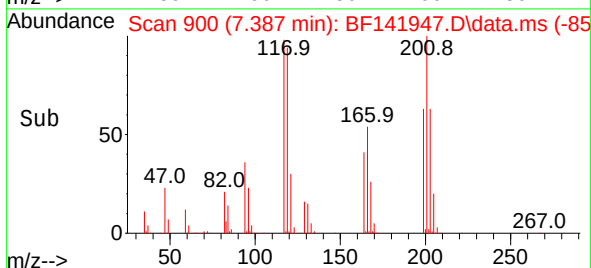
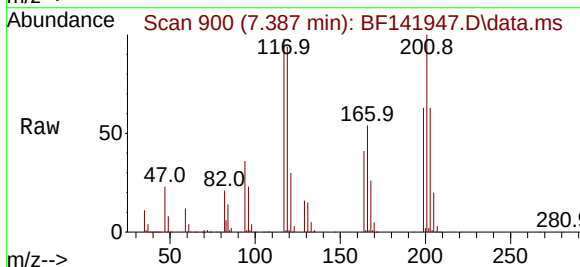


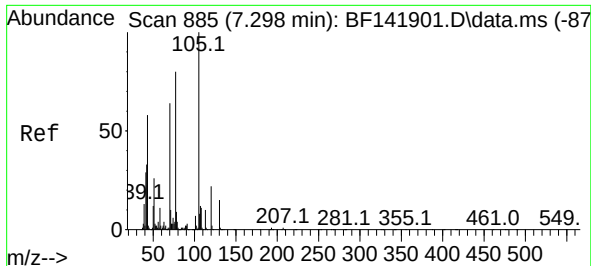
Tgt Ion:	107	Resp:	446045
Ion	Ratio	Lower	Upper
107	100		
108	111.6	90.2	135.2
77	50.3	39.6	59.4
79	50.6	39.1	58.7



#18
Hexachloroethane
Concen: 47.841 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Tgt Ion:	117	Resp:	219931
Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.9	115.3
201	102.4	79.9	119.9





#19

n-Nitroso-di-n-propylamine

Concen: 45.381 ng

RT: 7.293 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

Tgt Ion: 70 Resp: 375698

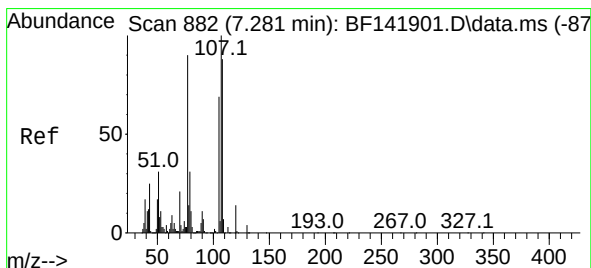
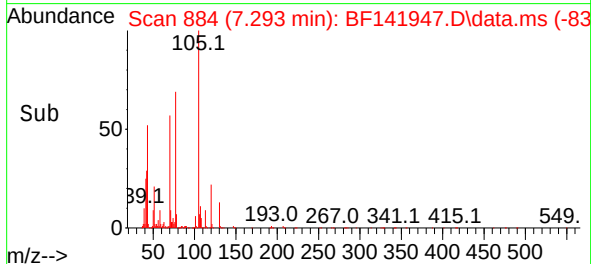
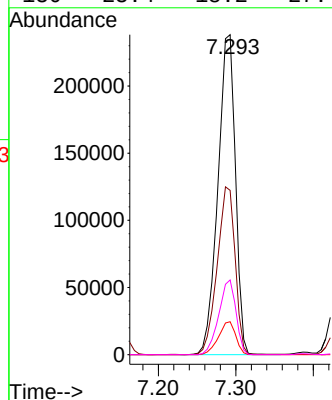
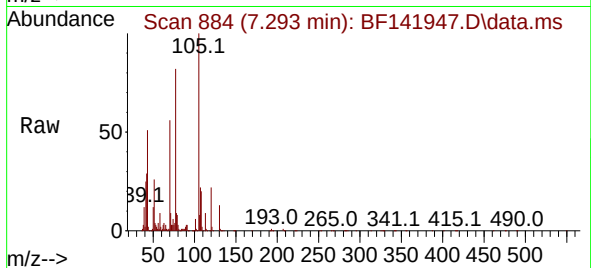
Ion Ratio Lower Upper

70 100

42 51.3 41.4 62.0

101 10.3 8.2 12.2

130 23.4 18.2 27.4



#20

3+4-Methylphenols

Concen: 48.327 ng

RT: 7.275 min Scan# 881

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Tgt Ion:107 Resp: 552362

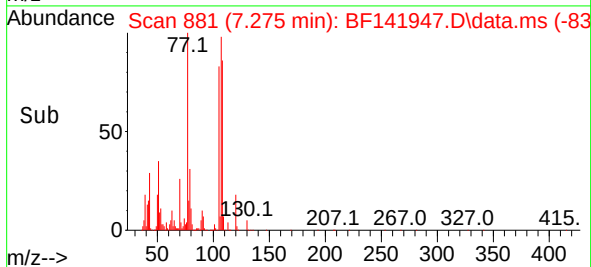
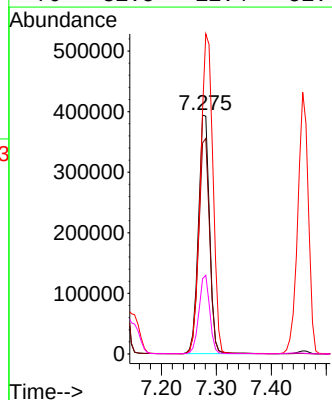
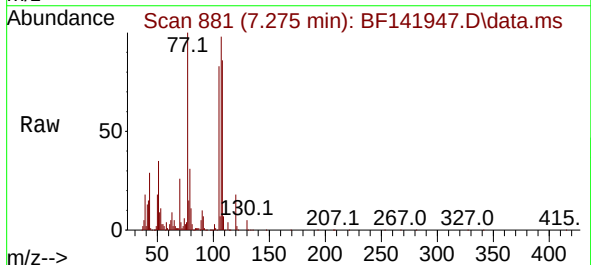
Ion Ratio Lower Upper

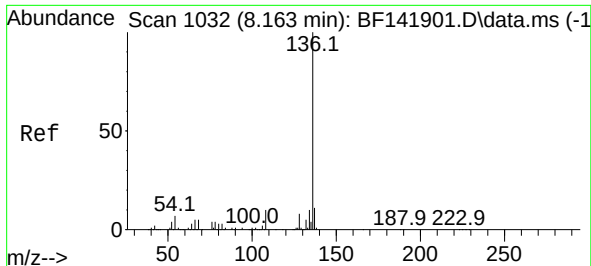
107 100

108 88.3 68.4 108.4

77 102.4 69.7 109.7

79 31.5 11.4 51.4

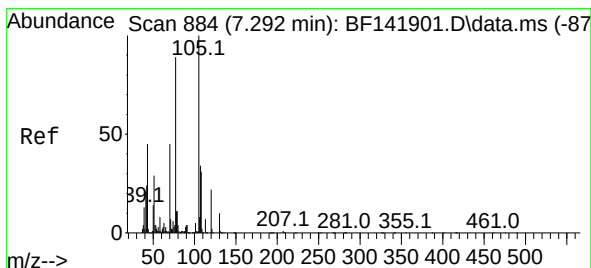
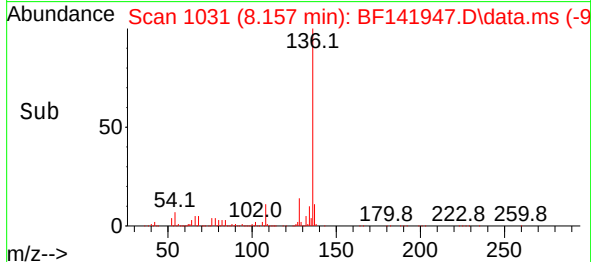
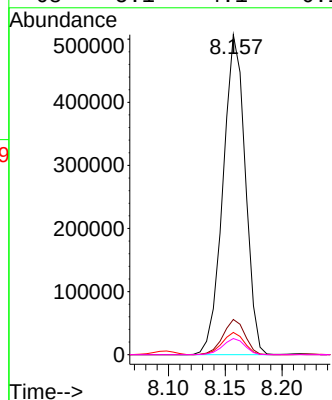
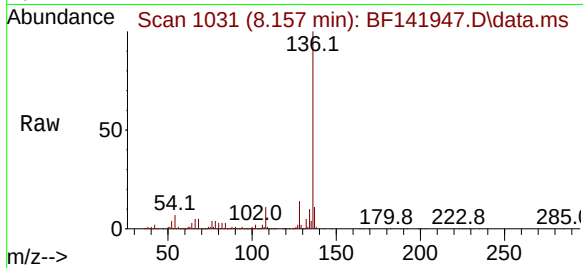




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

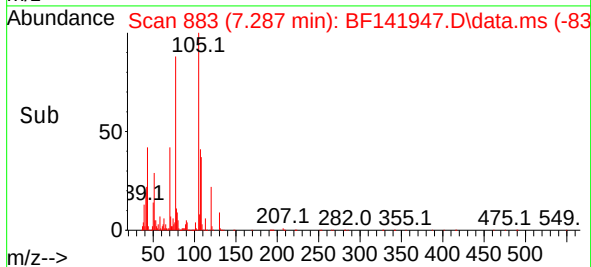
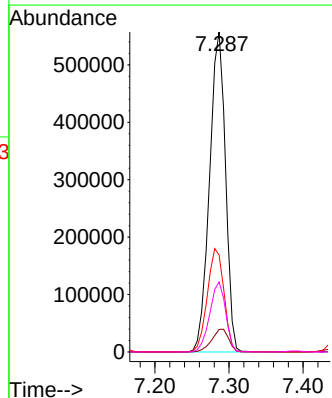
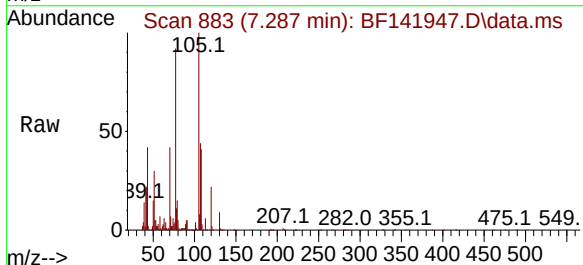
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01MSD

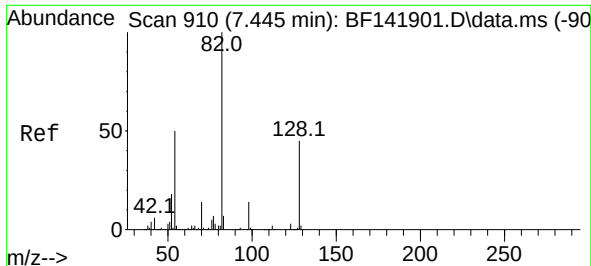
Tgt Ion:136	Resp: 691920
Ion Ratio	Lower Upper
136 100	
137 11.0	8.8 13.2
54 6.9	5.8 8.8
68 5.1	4.1 6.1



#22
Acetophenone
Concen: 50.227 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Tgt Ion:105	Resp: 832250
Ion Ratio	Lower Upper
105 100	
71 7.0	5.8 8.8
51 30.3	23.4 35.0
120 21.9	17.3 25.9





#23

Nitrobenzene-d5

Concen: 79.916 ng

RT: 7.440 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

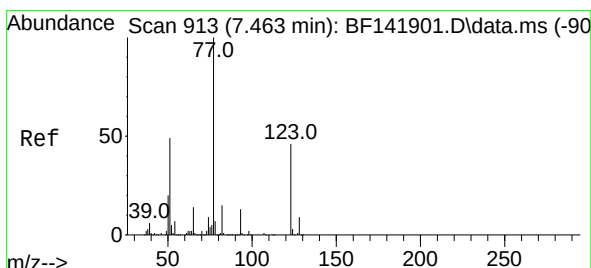
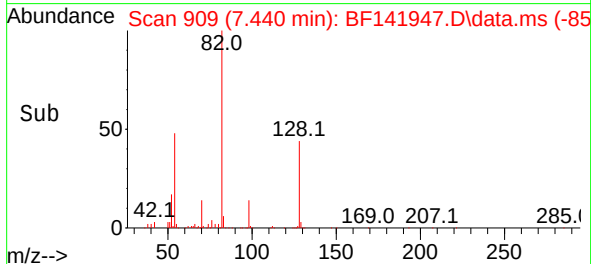
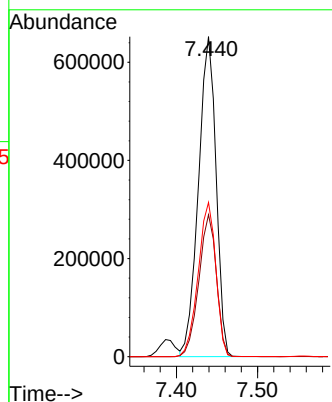
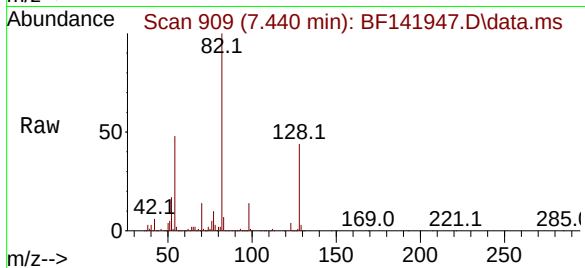
Tgt Ion: 82 Resp: 982581

Ion Ratio Lower Upper

82 100

128 44.3 36.0 54.0

54 48.2 39.6 59.4



#24

Nitrobenzene

Concen: 47.309 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

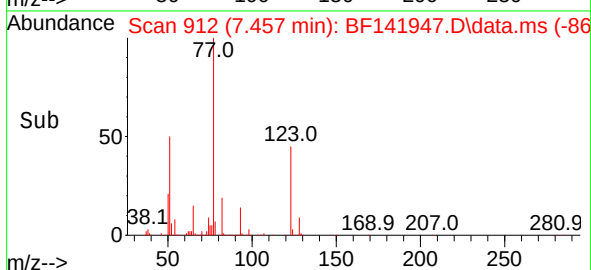
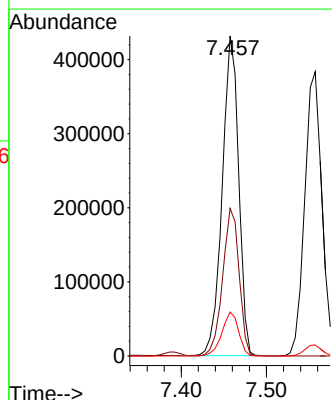
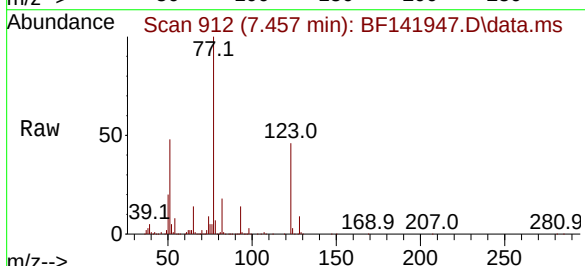
Tgt Ion: 77 Resp: 578250

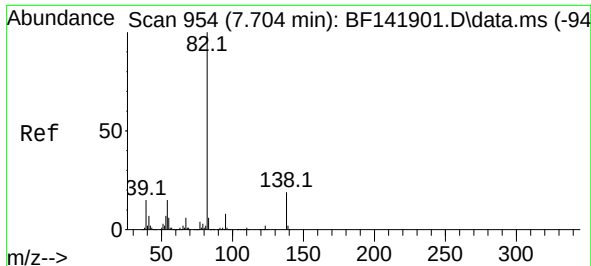
Ion Ratio Lower Upper

77 100

123 46.1 37.0 55.4

65 13.8 11.3 16.9

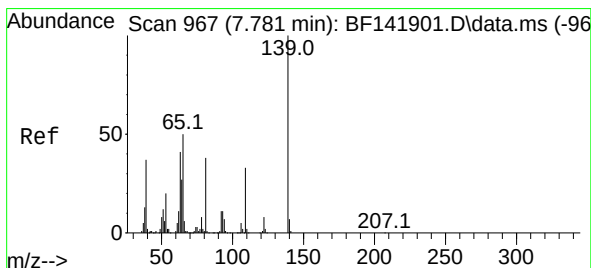
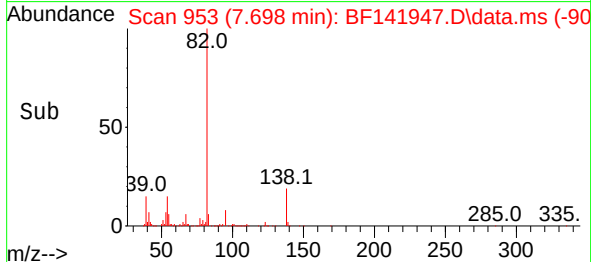
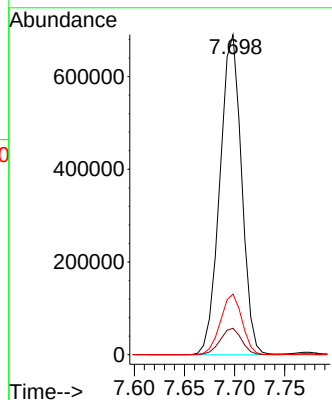
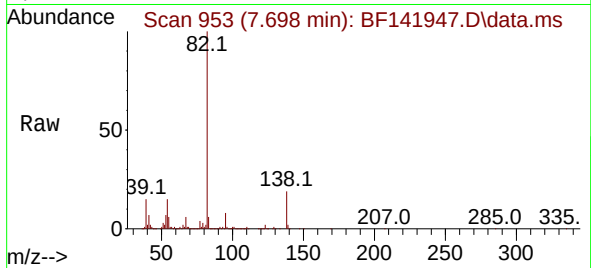




#25
Isophorone
Concen: 47.724 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

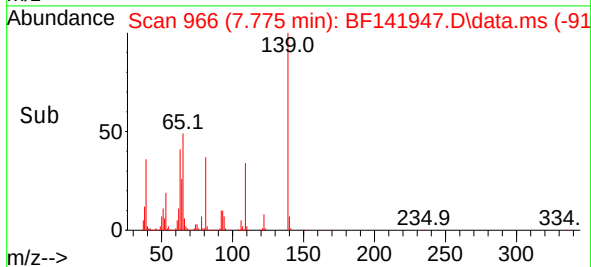
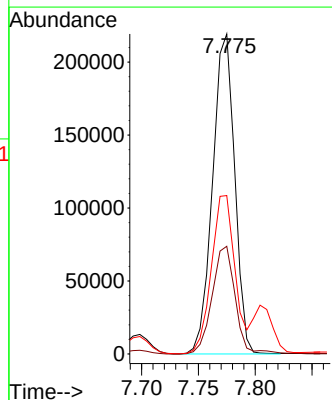
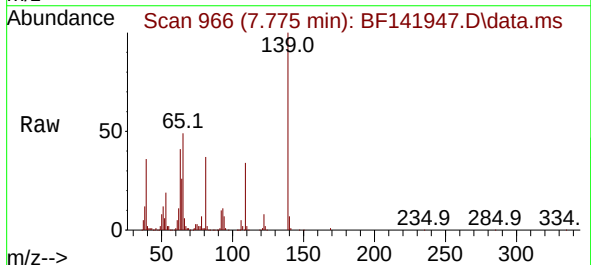
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01MSD

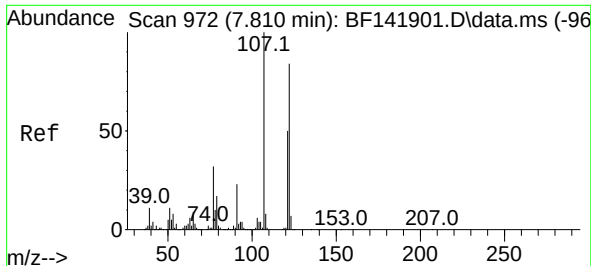
Tgt Ion: 82 Resp: 1037223
Ion Ratio Lower Upper
82 100
95 8.3 6.4 9.6
138 19.0 14.9 22.3



#26
2-Nitrophenol
Concen: 49.496 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

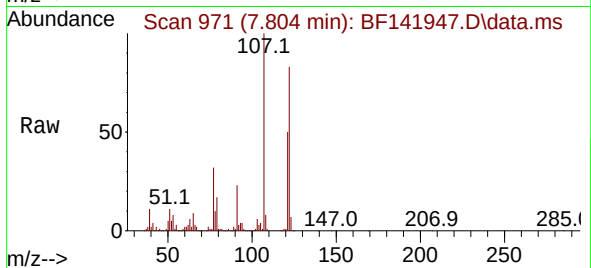
Tgt Ion:139 Resp: 296927
Ion Ratio Lower Upper
139 100
109 33.6 26.5 39.7
65 49.5 40.3 60.5



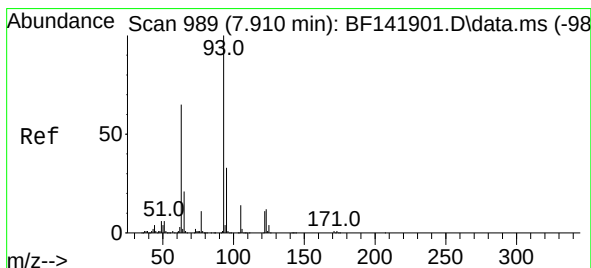
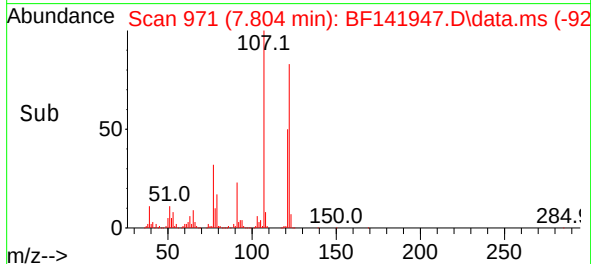
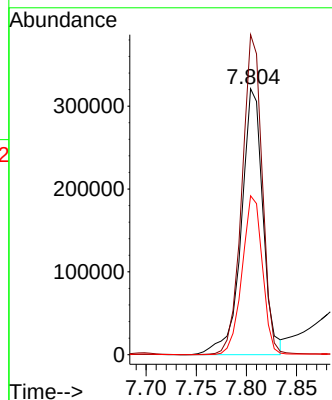


#27
2,4-Dimethylphenol
Concen: 58.294 ng
RT: 7.804 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01MSD

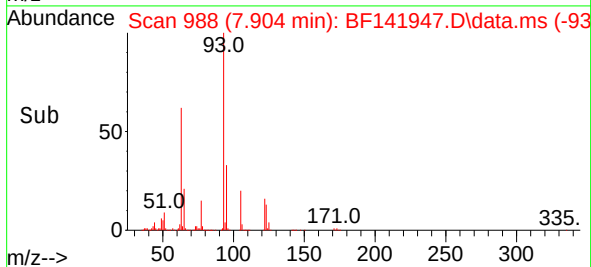
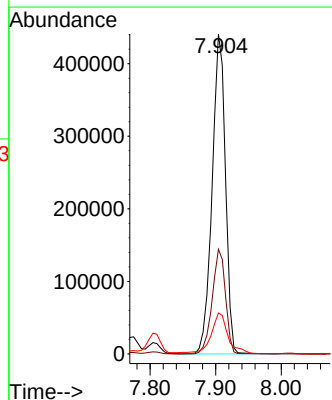
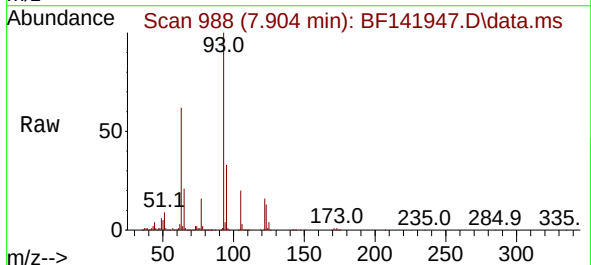


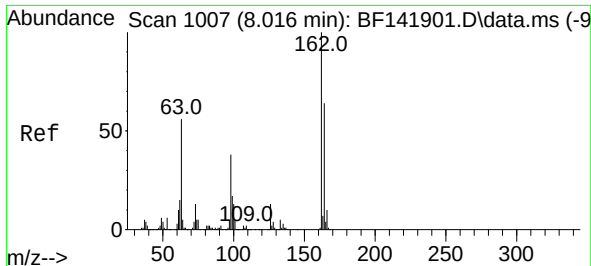
Tgt Ion:122 Resp: 481531
Ion Ratio Lower Upper
122 100
107 120.3 94.8 142.2
121 59.7 47.8 71.6



#28
bis(2-Chloroethoxy)methane
Concen: 45.558 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Tgt Ion: 93 Resp: 621022
Ion Ratio Lower Upper
93 100
95 32.7 26.6 40.0
123 12.8 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 46.859 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

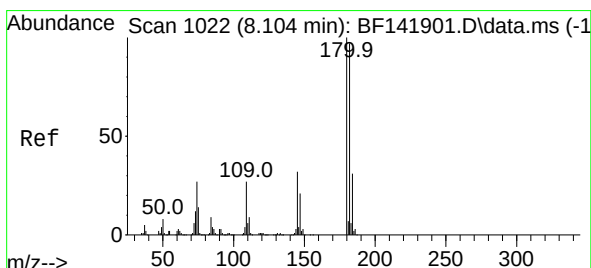
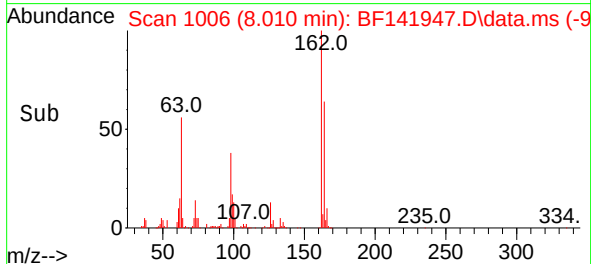
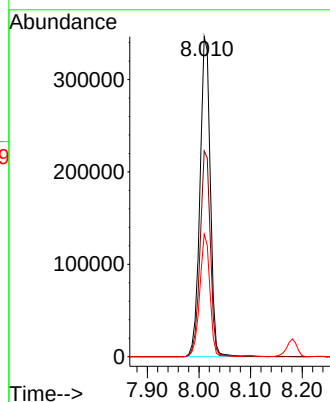
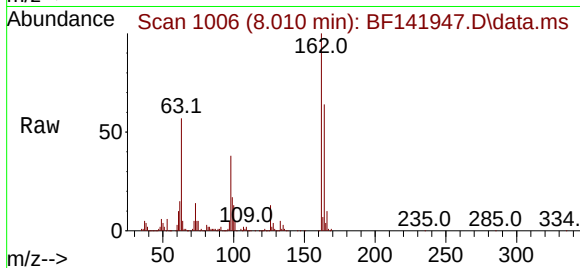
Tgt Ion:162 Resp: 480443

Ion Ratio Lower Upper

162 100

164 64.3 43.8 83.8

98 38.3 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 46.183 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

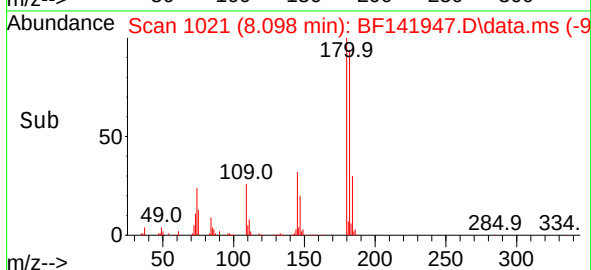
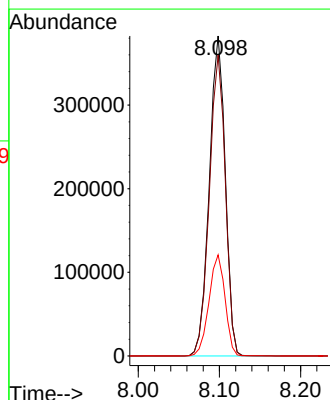
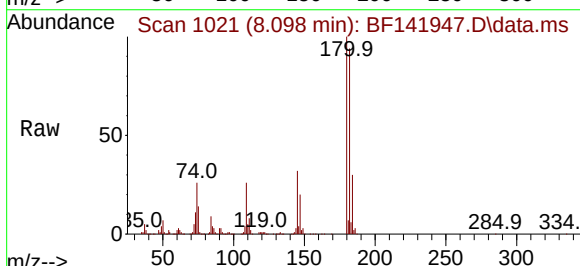
Tgt Ion:180 Resp: 521823

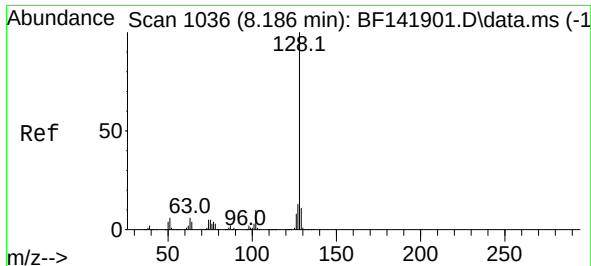
Ion Ratio Lower Upper

180 100

182 94.0 77.5 116.3

145 31.6 25.8 38.6

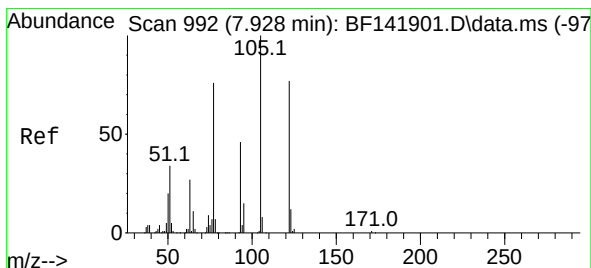
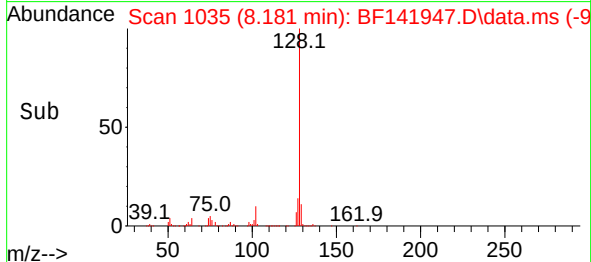
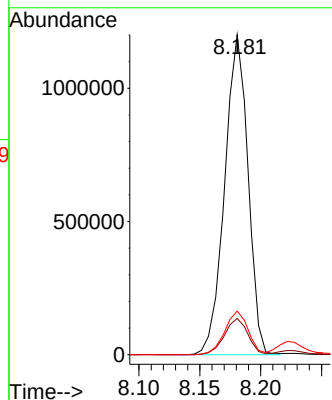
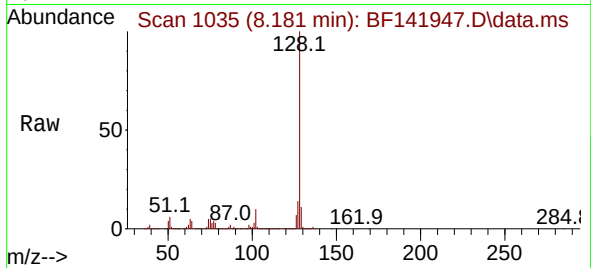




#31
Naphthalene
Concen: 45.025 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

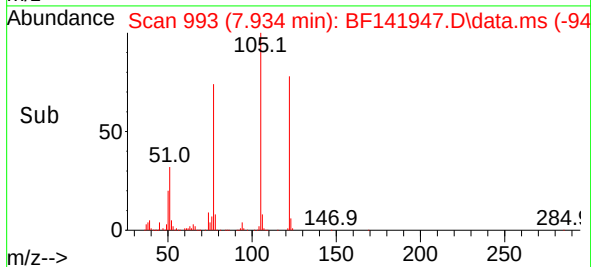
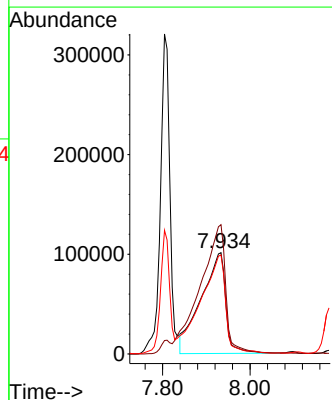
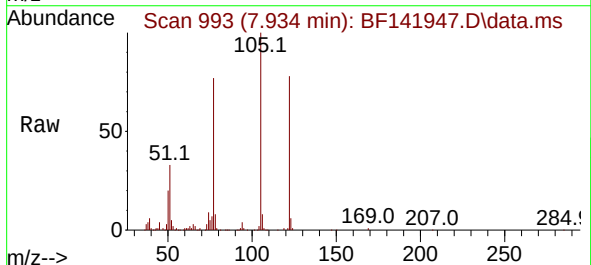
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01MSD

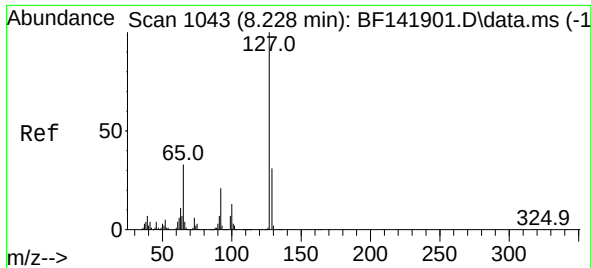
Tgt Ion:128 Resp: 1600320
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 13.6 10.8 16.2



#32
Benzoic acid
Concen: 54.955 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Tgt Ion:122 Resp: 399031
Ion Ratio Lower Upper
122 100
105 127.7 107.9 147.9
77 97.8 79.0 119.0





#33

4-Chloroaniline

Concen: 6.547 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

Tgt Ion:127 Resp: 82150

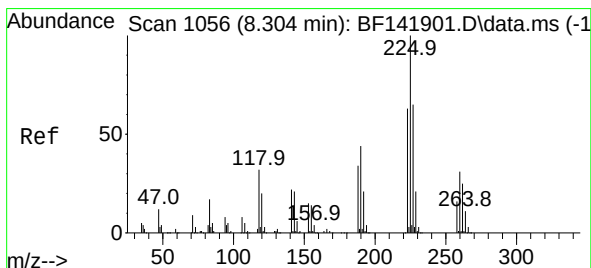
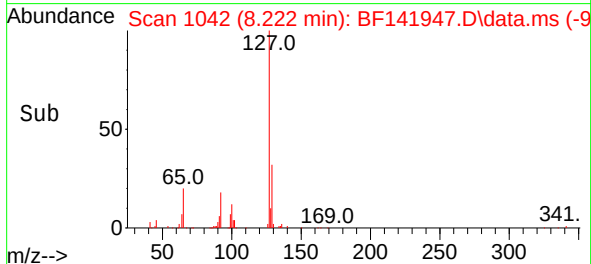
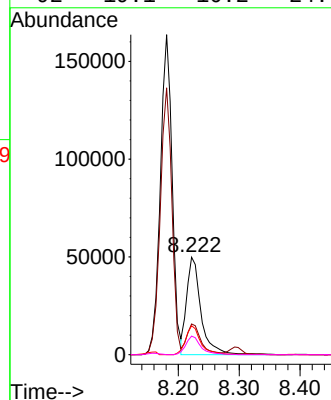
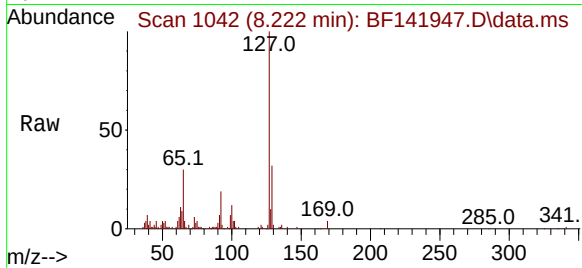
Ion Ratio Lower Upper

127 100

129 31.5 26.2 39.4

65 29.8 25.4 38.2

92 19.1 16.2 24.4



#34

Hexachlorobutadiene

Concen: 46.740 ng

RT: 8.298 min Scan# 1055

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

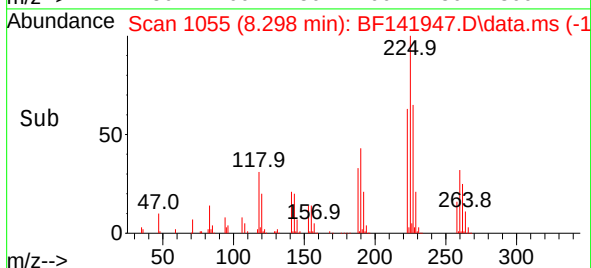
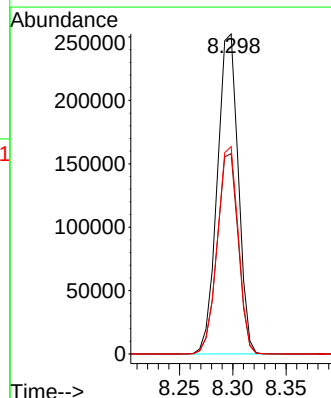
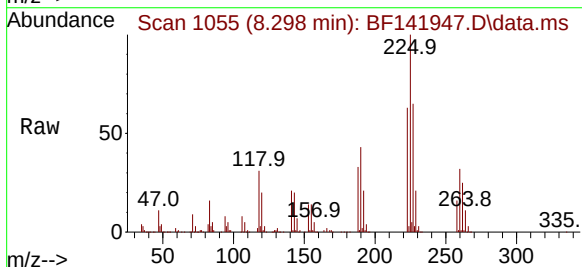
Tgt Ion:225 Resp: 344413

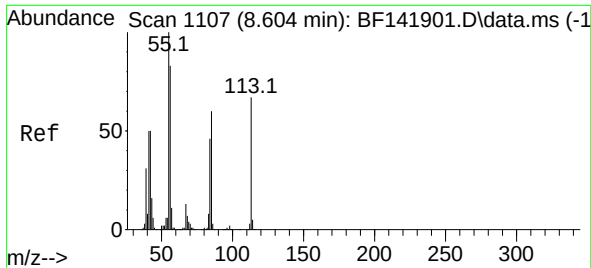
Ion Ratio Lower Upper

225 100

223 62.6 50.6 75.8

227 64.8 52.2 78.2

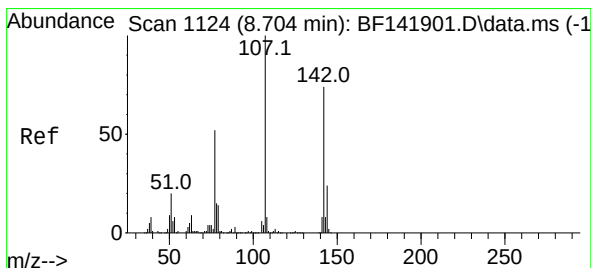
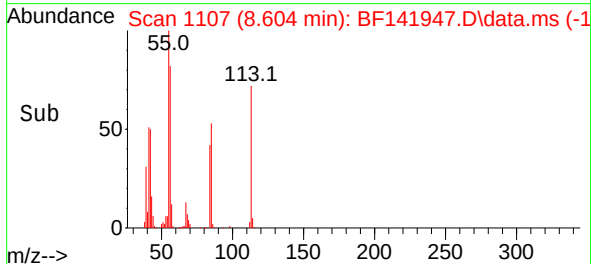
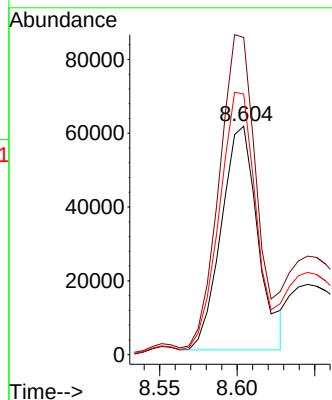
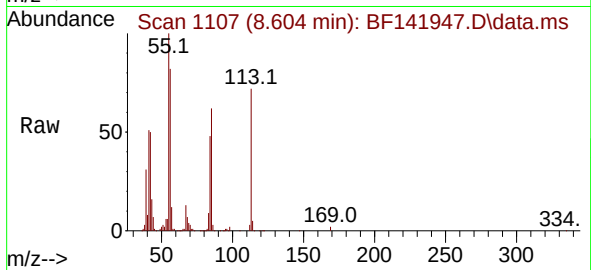




#35
Caprolactam
Concen: 31.932 ng
RT: 8.604 min Scan# 1107
Delta R.T. 0.000 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

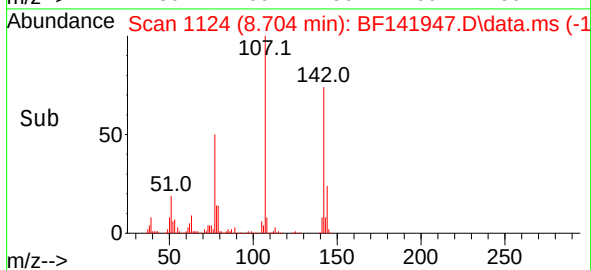
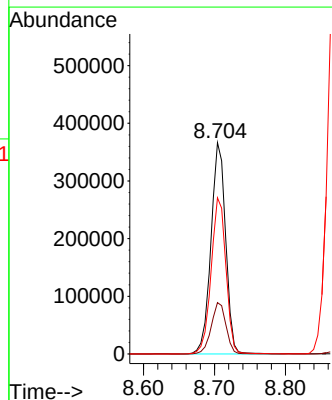
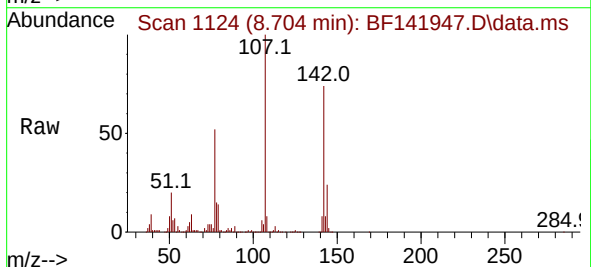
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01MSD

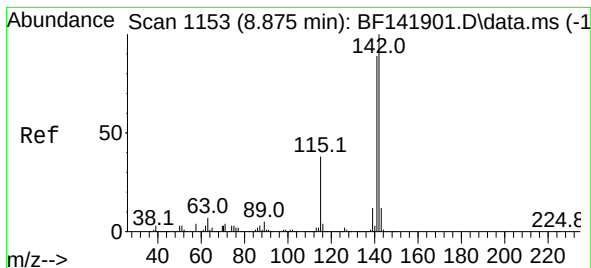
Tgt Ion:113 Resp: 99816
Ion Ratio Lower Upper
113 100
55 138.9 129.6 169.6
56 114.1 104.0 144.0



#36
4-Chloro-3-methylphenol
Concen: 46.060 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Tgt Ion:107 Resp: 526797
Ion Ratio Lower Upper
107 100
144 24.3 19.0 28.6
142 73.9 59.2 88.8





#37

2-Methylnaphthalene

Concen: 44.101 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

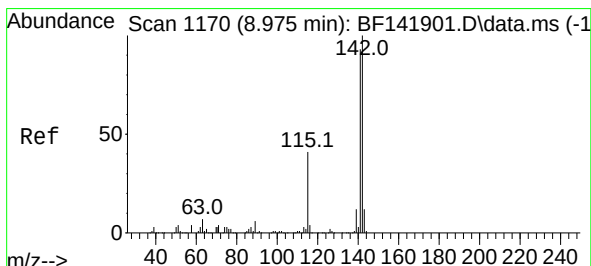
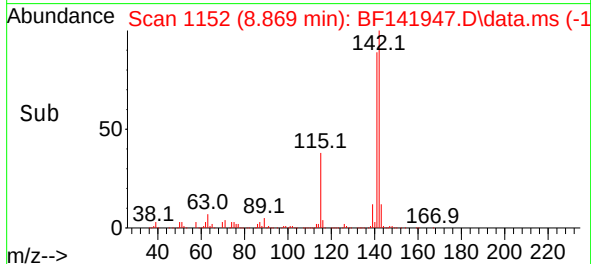
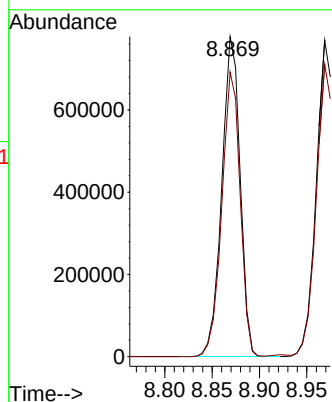
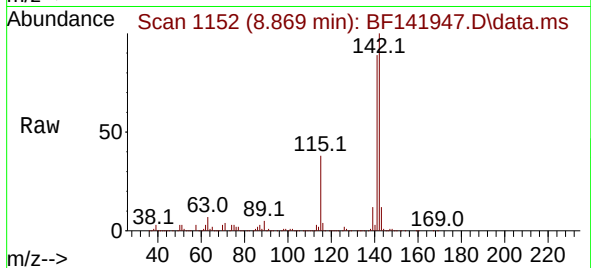
OR-620-JB-COMP-01MSD

Tgt Ion:142 Resp: 1047722

Ion Ratio Lower Upper

142 100

141 88.9 71.2 106.8



#38

1-Methylnaphthalene

Concen: 44.666 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF141947.D

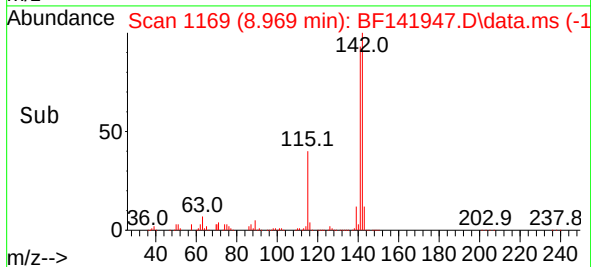
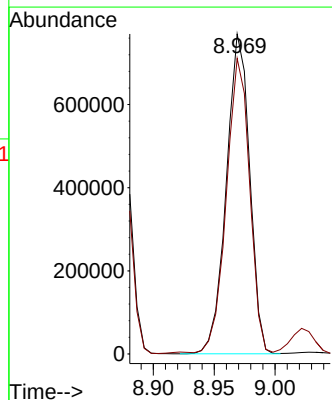
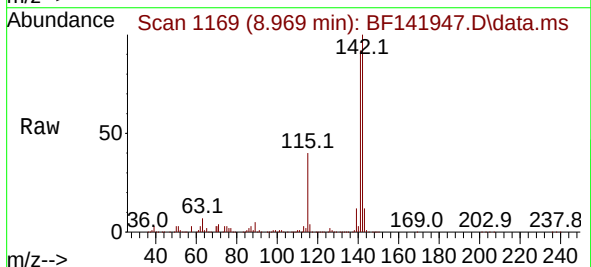
Acq: 13 Mar 2025 18:13

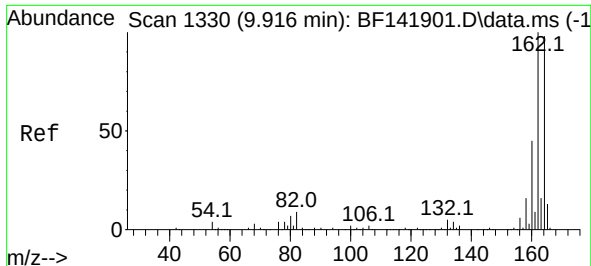
Tgt Ion:142 Resp: 1023979

Ion Ratio Lower Upper

142 100

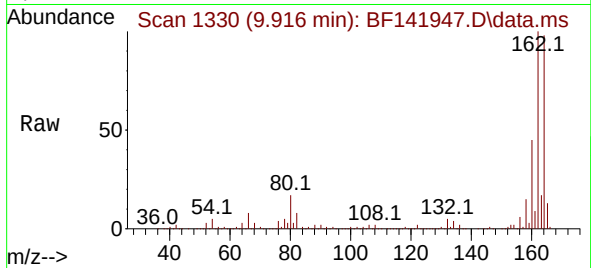
141 92.4 74.2 111.4



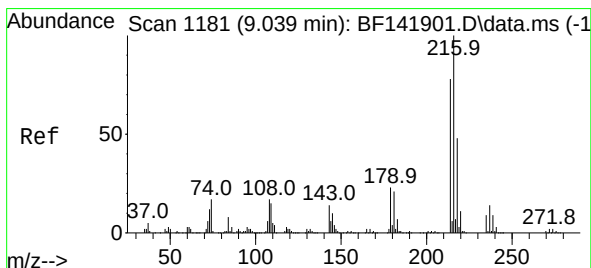
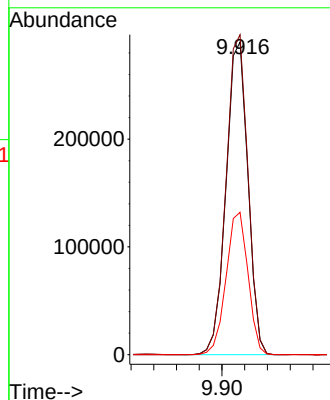
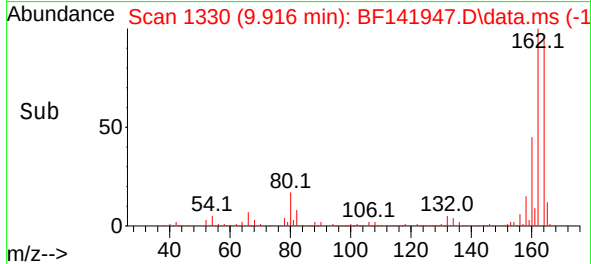


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

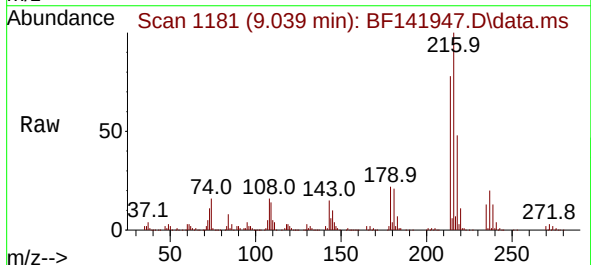
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01MSD



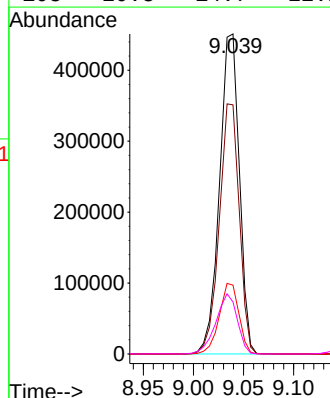
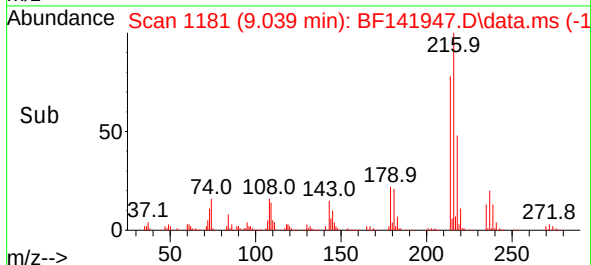
Tgt Ion:164 Resp: 387671
Ion Ratio Lower Upper
164 100
162 102.3 81.8 122.6
160 45.6 36.7 55.1

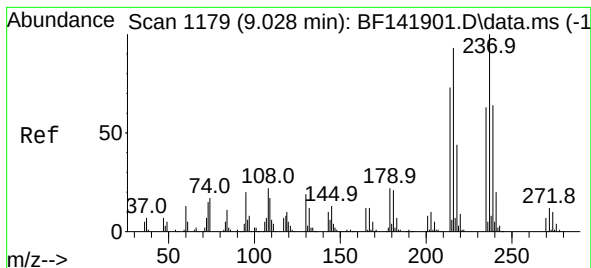


#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.488 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13



Tgt Ion:216 Resp: 619515
Ion Ratio Lower Upper
216 100
214 78.5 61.9 92.9
179 21.9 18.1 27.1
108 20.3 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 154.902 ng

RT: 9.022 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

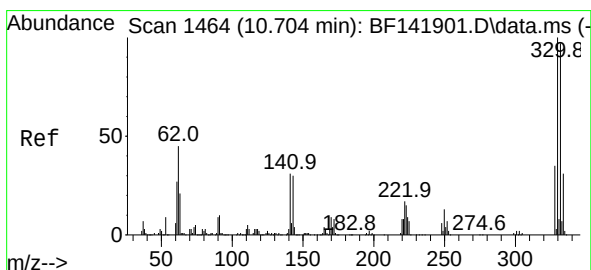
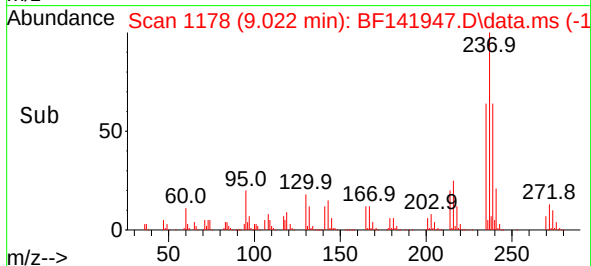
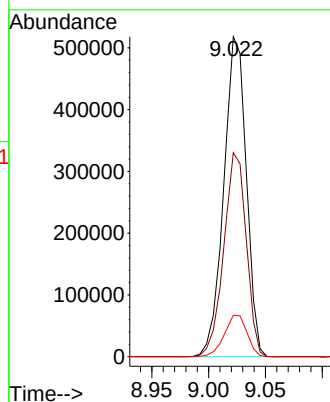
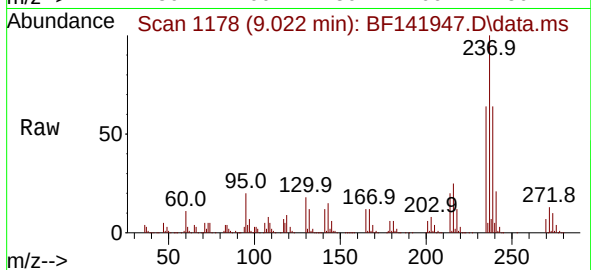
Tgt Ion:237 Resp: 715526

Ion Ratio Lower Upper

237 100

235 63.7 43.1 83.1

272 13.0 0.0 32.0



#42

2,4,6-Tribromophenol

Concen: 118.677 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

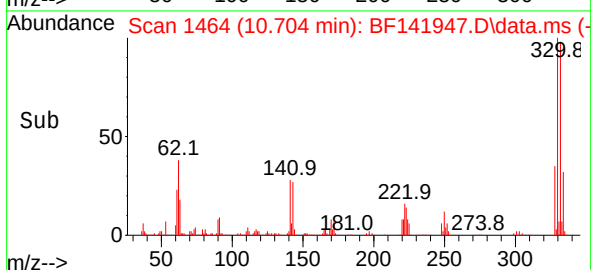
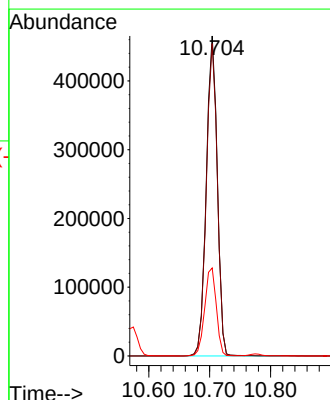
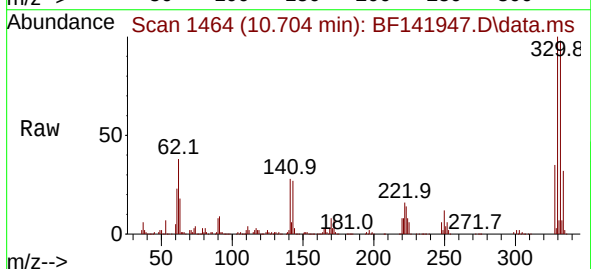
Tgt Ion:330 Resp: 583669

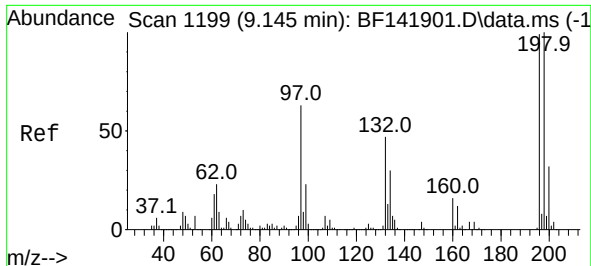
Ion Ratio Lower Upper

330 100

332 97.7 77.6 116.4

141 29.0 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 50.323 ng

RT: 9.145 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

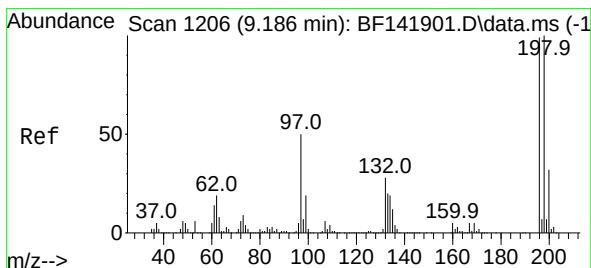
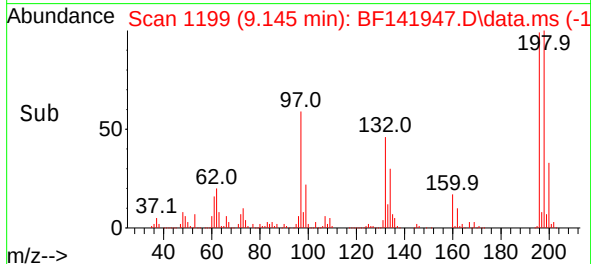
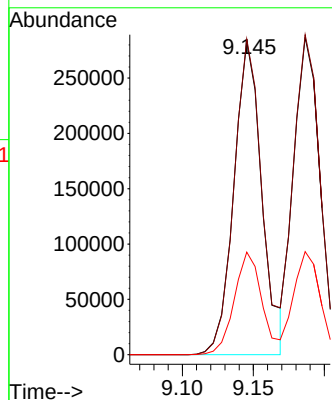
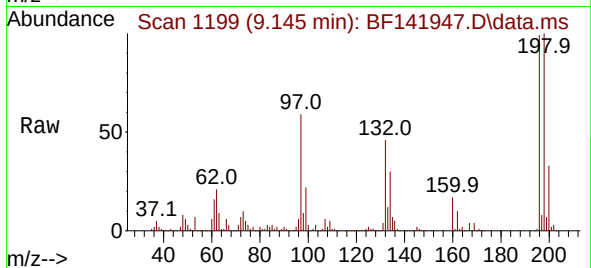
Tgt Ion:196 Resp: 388179

Ion Ratio Lower Upper

196 100

198 100.7 80.6 121.0

200 32.7 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 47.168 ng

RT: 9.187 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Tgt Ion:196 Resp: 368503

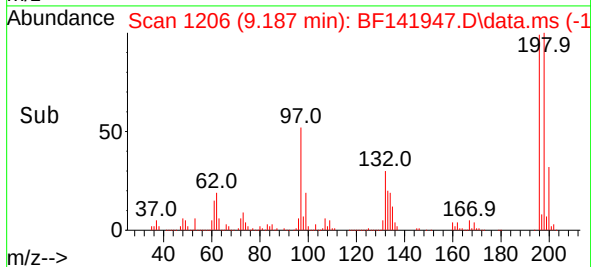
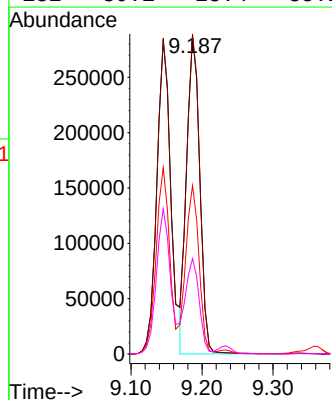
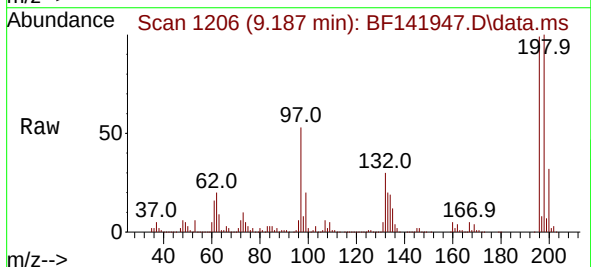
Ion Ratio Lower Upper

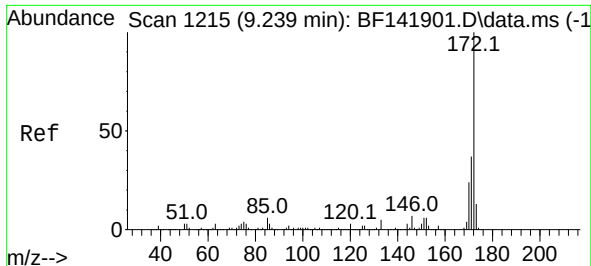
196 100

198 100.9 80.7 121.1

97 53.0 42.1 63.1

132 30.1 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 76.848 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

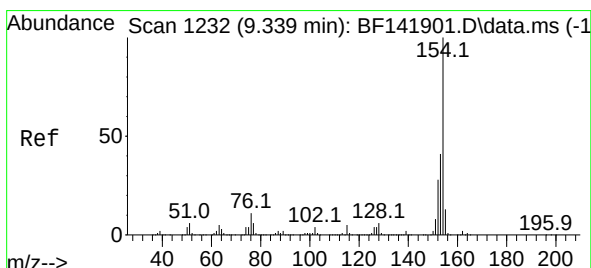
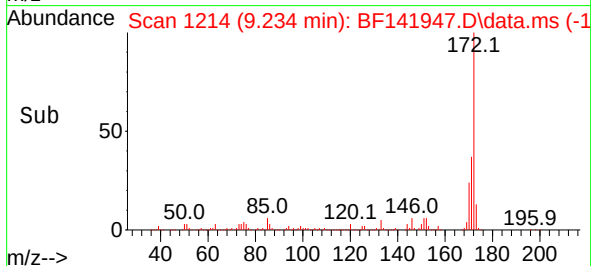
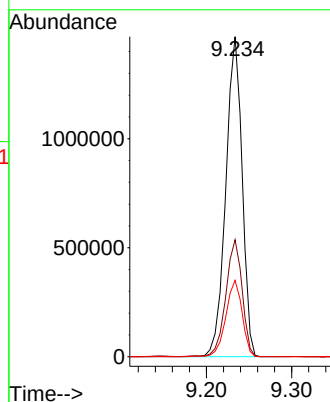
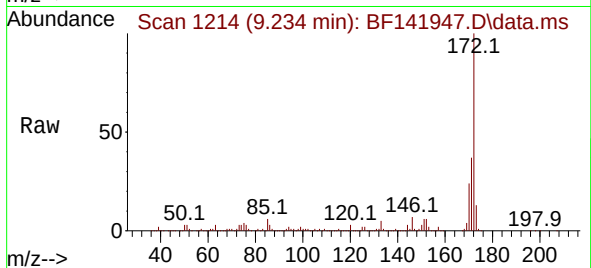
Tgt Ion:172 Resp: 1958945

Ion Ratio Lower Upper

172 100

171 36.5 29.3 43.9

170 23.8 19.4 29.0



#46

1,1'-Biphenyl

Concen: 51.500 ng

RT: 9.334 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

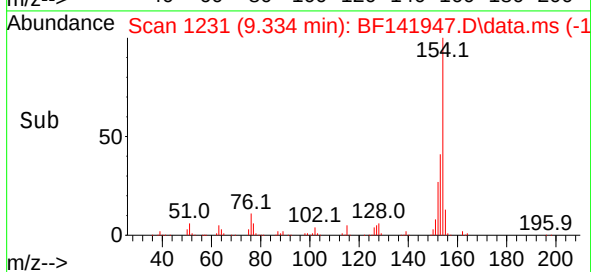
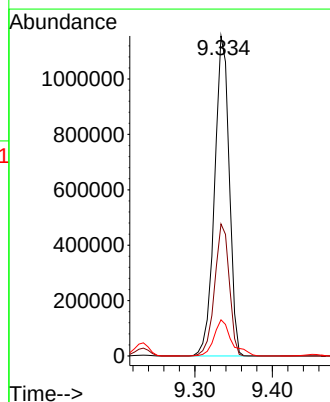
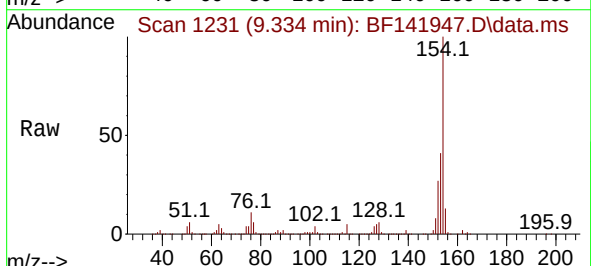
Tgt Ion:154 Resp: 1516984

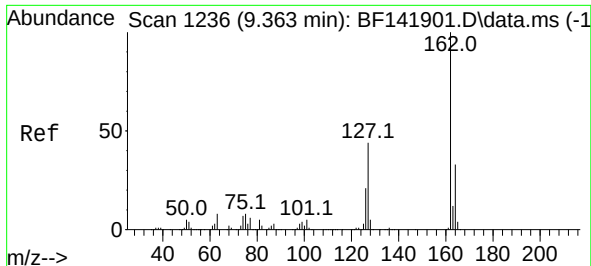
Ion Ratio Lower Upper

154 100

153 41.3 21.1 61.1

76 11.3 0.0 31.3

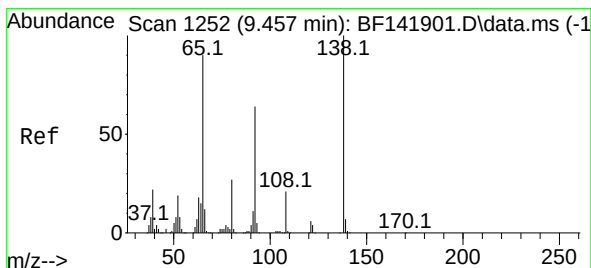
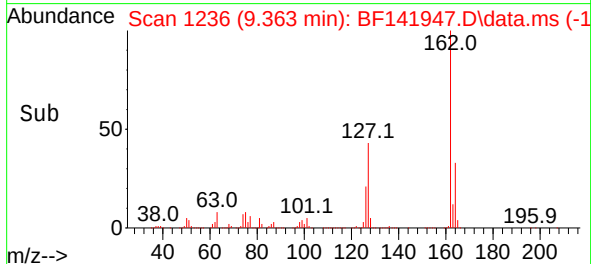
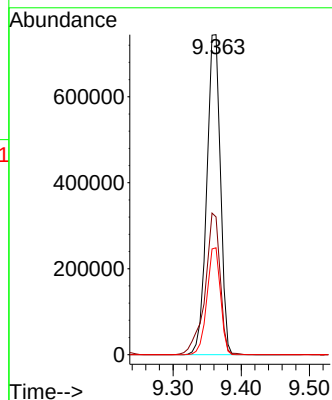
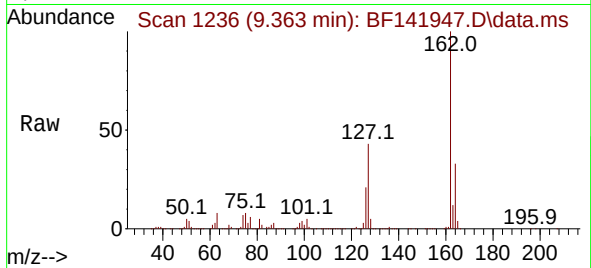




#47
2-Chloronaphthalene
Concen: 47.182 ng
RT: 9.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

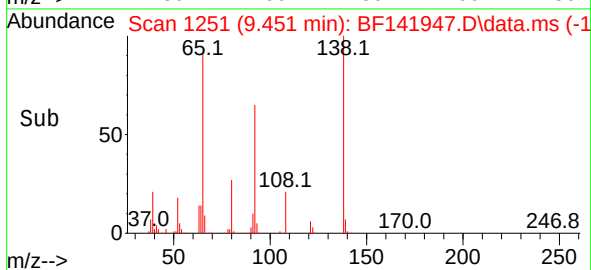
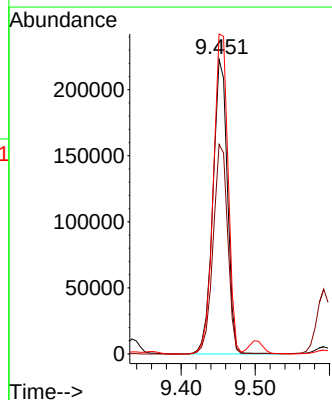
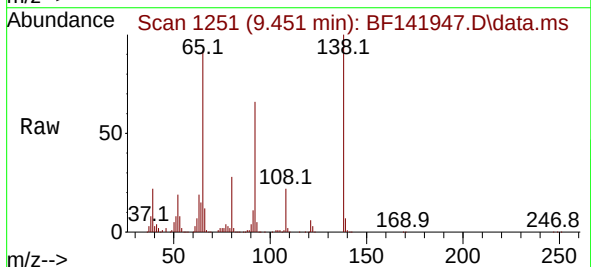
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01MSD

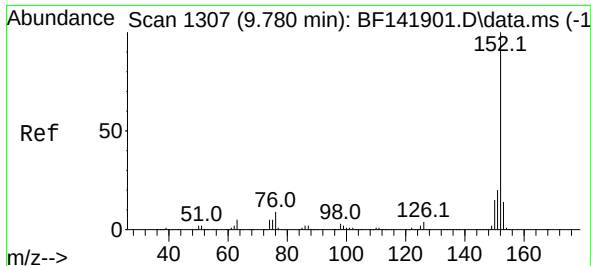
Tgt Ion:162 Resp: 1035869
Ion Ratio Lower Upper
162 100
127 43.1 35.5 53.3
164 33.4 26.6 40.0



#48
2-Nitroaniline
Concen: 47.799 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Tgt Ion: 65 Resp: 303853
Ion Ratio Lower Upper
65 100
92 71.2 56.6 84.8
138 108.6 88.6 133.0





#49

Acenaphthylene

Concen: 49.638 ng

RT: 9.775 min Scan# 1306

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

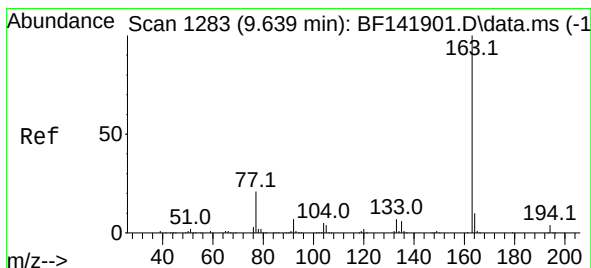
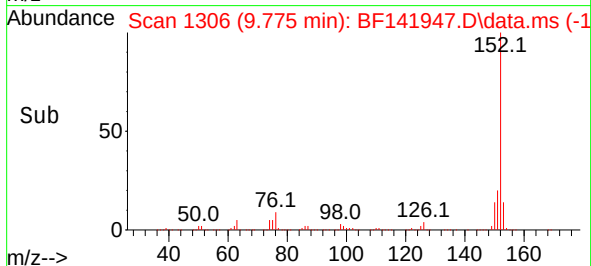
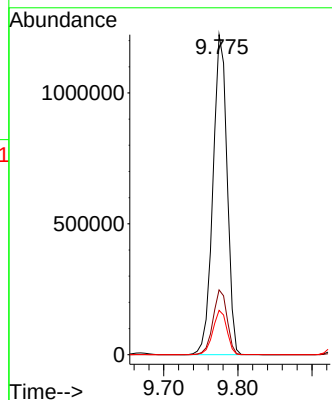
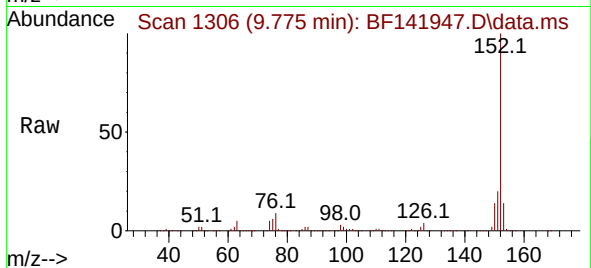
Tgt Ion:152 Resp: 1617230

Ion Ratio Lower Upper

152 100

151 20.3 16.3 24.5

153 13.9 11.1 16.7



#50

Dimethylphthalate

Concen: 45.908 ng

RT: 9.634 min Scan# 1282

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

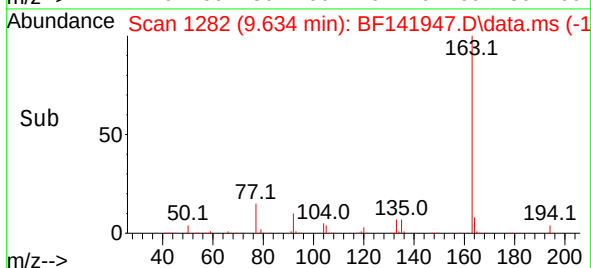
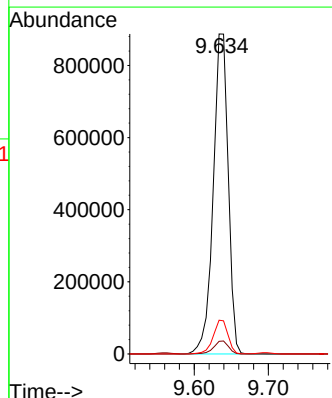
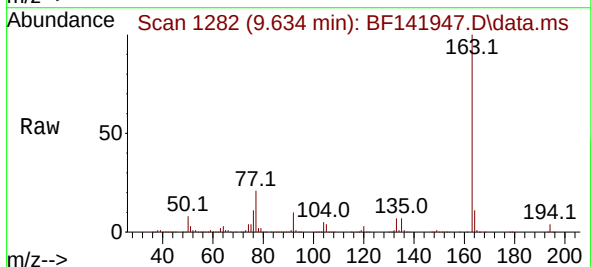
Tgt Ion:163 Resp: 1246295

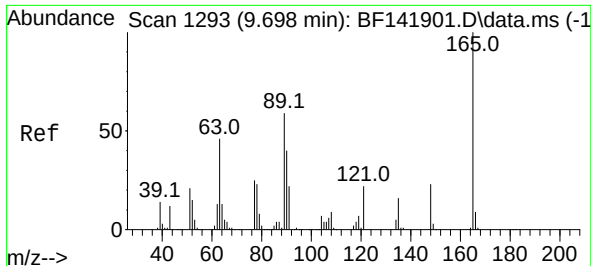
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.6 8.2 12.4

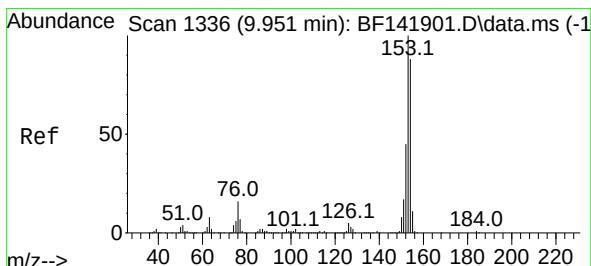
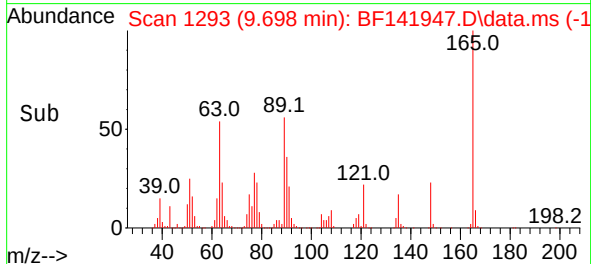
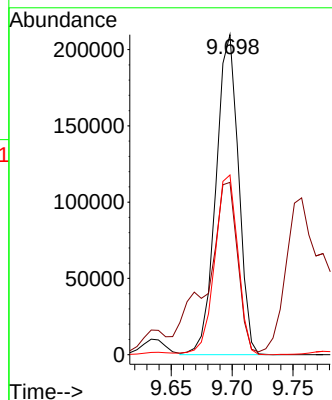
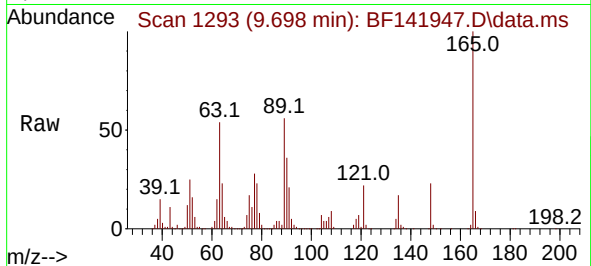




#51
2,6-Dinitrotoluene
Concen: 47.871 ng
RT: 9.698 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

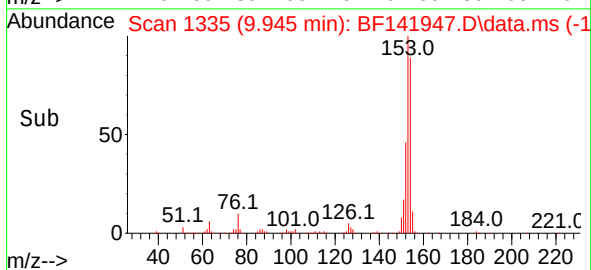
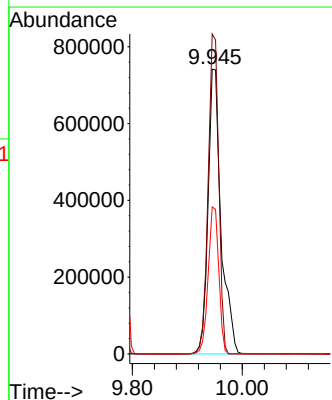
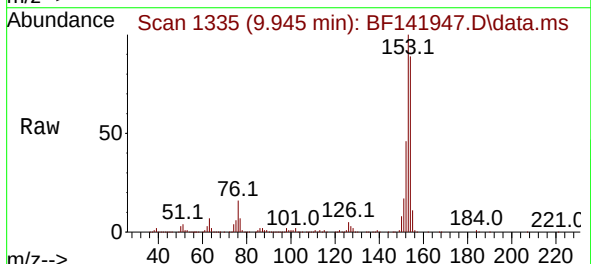
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01MSD

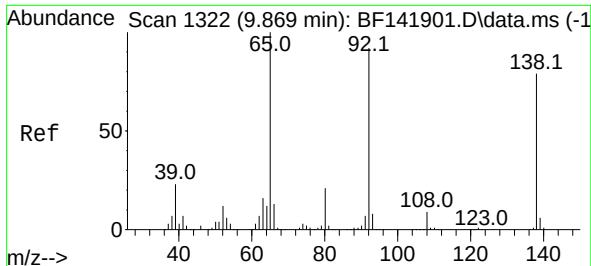
Tgt Ion:165 Resp: 270588
Ion Ratio Lower Upper
165 100
63 53.8 47.0 70.4
89 56.2 47.4 71.2



#52
Acenaphthene
Concen: 53.070 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Tgt Ion:154 Resp: 1215086
Ion Ratio Lower Upper
154 100
153 112.4 90.7 136.1
152 51.6 41.1 61.7





#53

3-Nitroaniline

Concen: 17.357 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

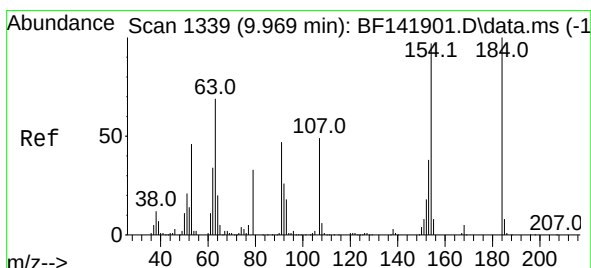
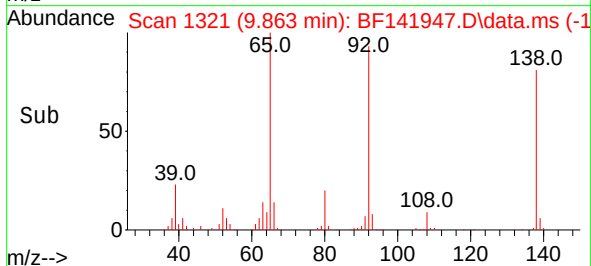
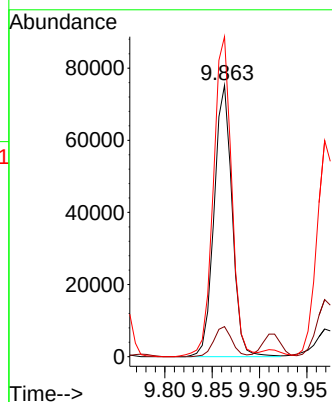
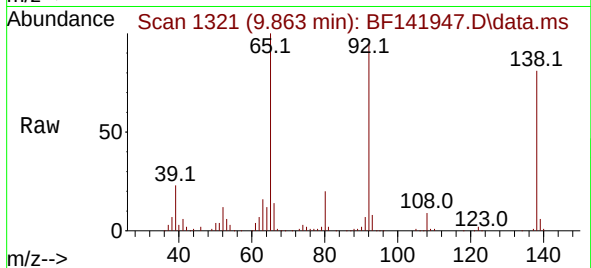
Tgt Ion:138 Resp: 99521

Ion Ratio Lower Upper

138 100

108 11.1 9.3 13.9

92 117.9 93.5 140.3



#54

2,4-Dinitrophenol

Concen: 99.243 ng

RT: 9.969 min Scan# 1339

Delta R.T. -0.000 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

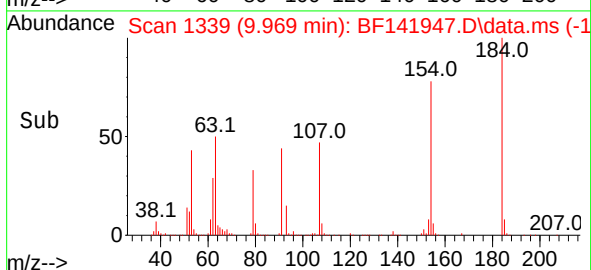
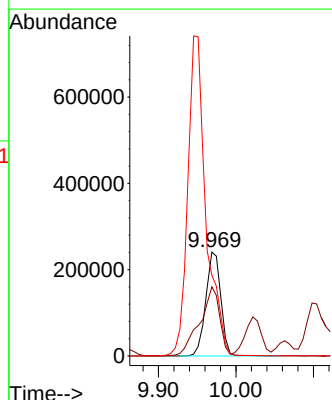
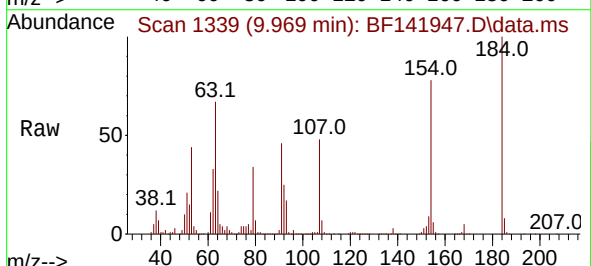
Tgt Ion:184 Resp: 324255

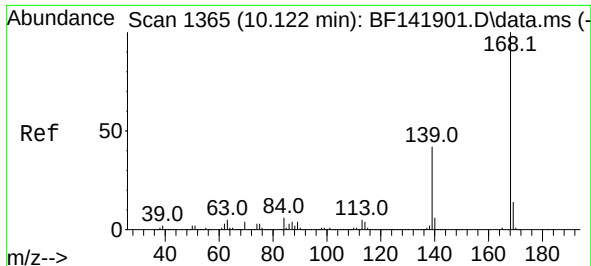
Ion Ratio Lower Upper

184 100

63 66.6 60.2 90.4

154 77.6 132.9 199.3#





#55

Dibenzenofuran

Concen: 44.915 ng

RT: 10.122 min Scan# 14

Delta R.T. 0.000 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

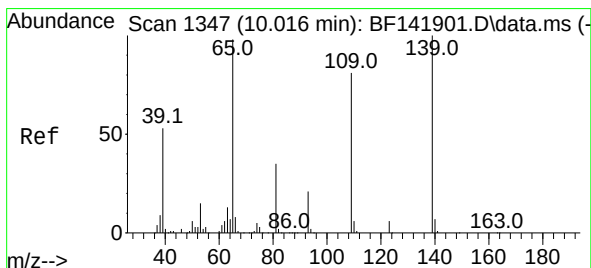
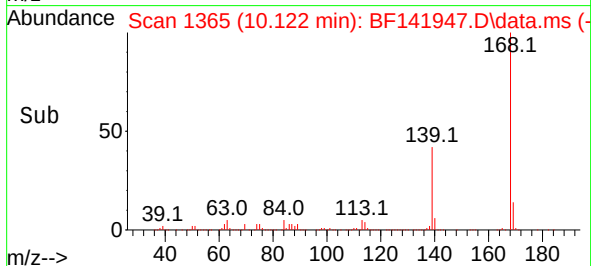
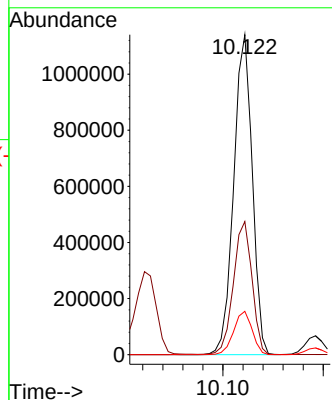
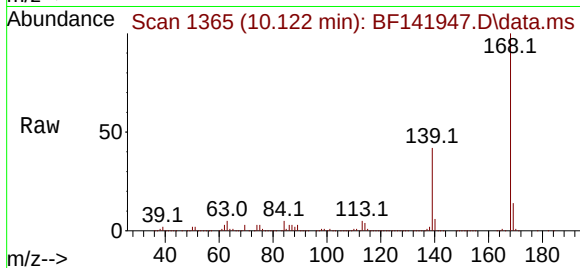
Tgt Ion:168 Resp: 1469426

Ion Ratio Lower Upper

168 100

139 41.6 33.9 50.9

169 13.6 11.0 16.4



#56

4-Nitrophenol

Concen: 100.869 ng

RT: 10.022 min Scan# 1348

Delta R.T. 0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

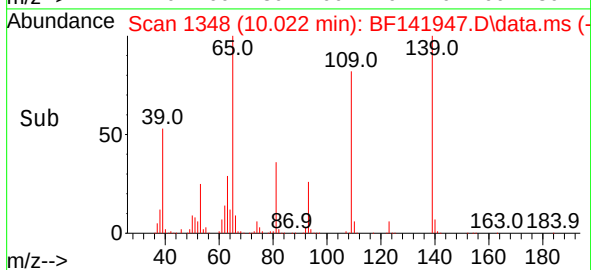
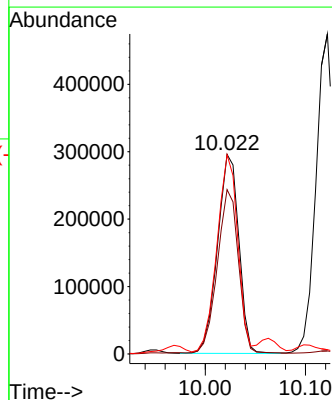
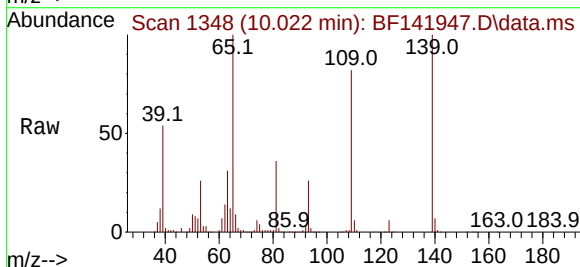
Tgt Ion:139 Resp: 436146

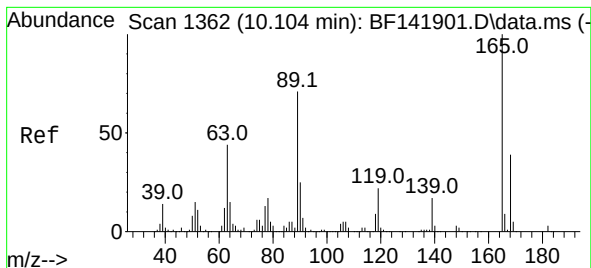
Ion Ratio Lower Upper

139 100

109 82.4 61.6 101.6

65 99.8 79.4 119.4





#57

2,4-Dinitrotoluene

Concen: 50.439 ng

RT: 10.098 min Scan# 141

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

Tgt Ion:165 Resp: 372369

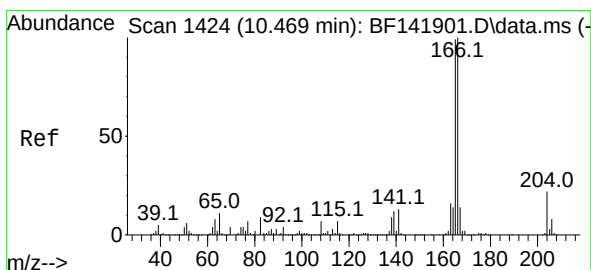
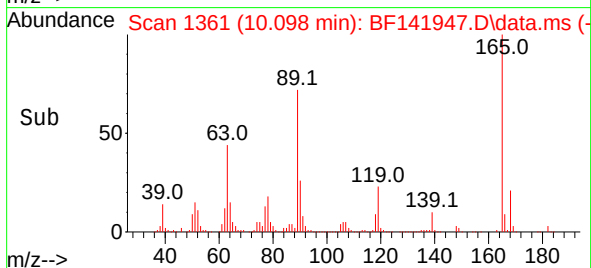
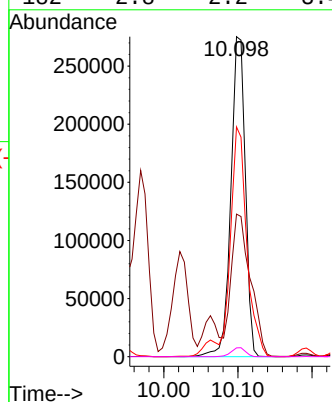
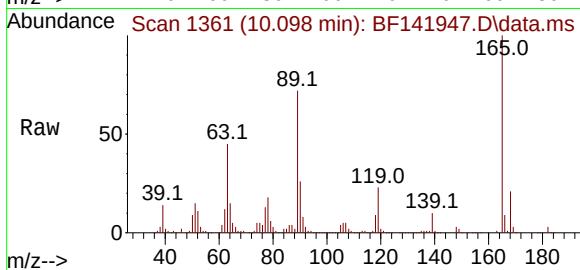
Ion Ratio Lower Upper

165 100

63 44.6 35.4 53.2

89 71.8 56.6 84.8

182 2.8 2.2 3.4



#58

Fluorene

Concen: 46.351 ng

RT: 10.463 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

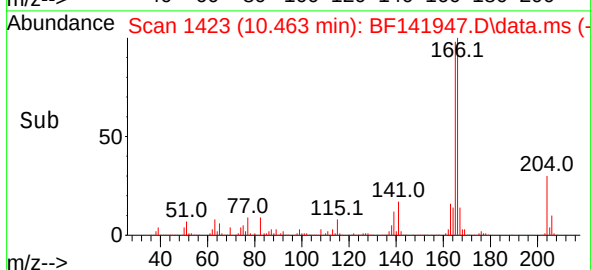
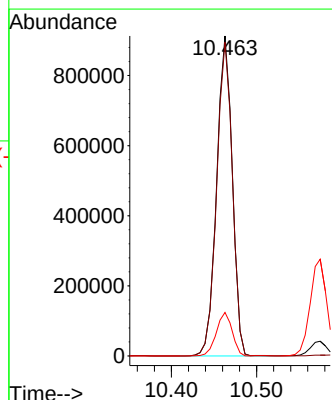
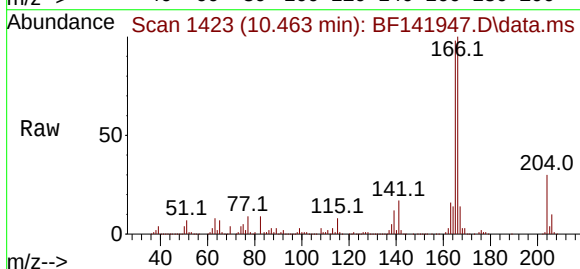
Tgt Ion:166 Resp: 1169404

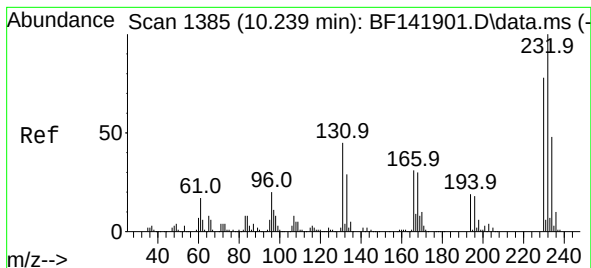
Ion Ratio Lower Upper

166 100

165 98.0 79.0 118.4

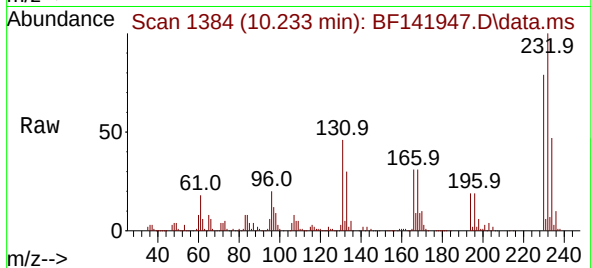
167 13.6 11.0 16.4



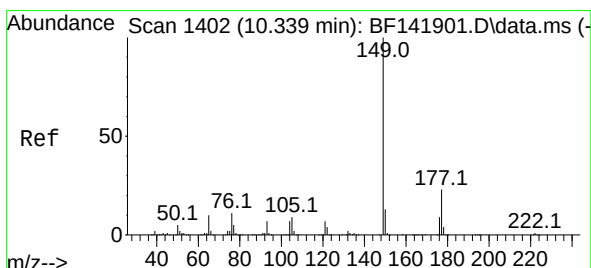
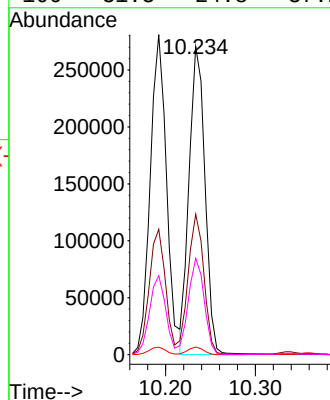
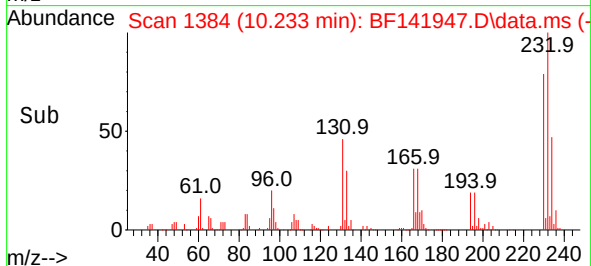


#59
2,3,4,6-Tetrachlorophenol
Concen: 46.831 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

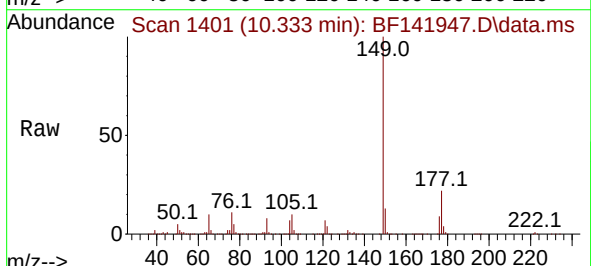
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01MSD



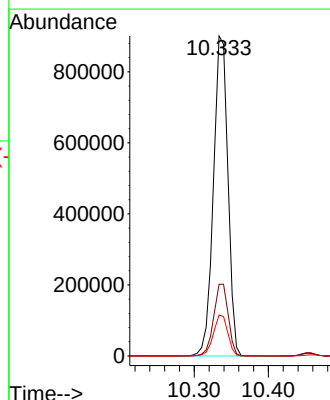
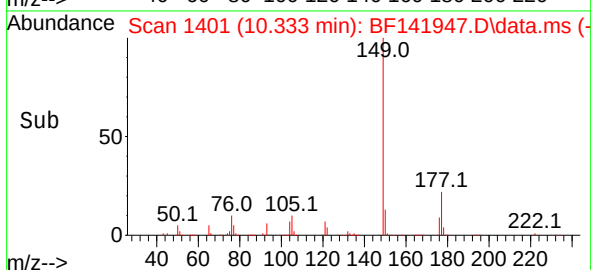
Tgt Ion:232 Resp: 332927
Ion Ratio Lower Upper
232 100
131 46.0 37.3 55.9
130 2.5 1.9 2.9
166 31.3 24.8 37.2

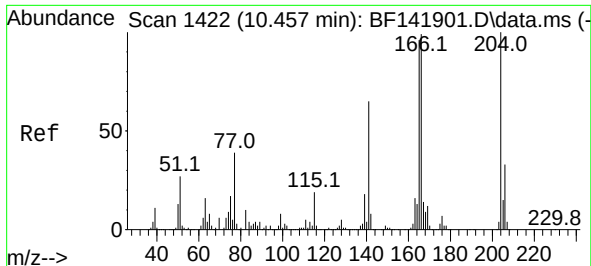


#60
Diethylphthalate
Concen: 45.111 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13



Tgt Ion:149 Resp: 1221129
Ion Ratio Lower Upper
149 100
177 22.4 18.0 27.0
150 12.8 10.2 15.4

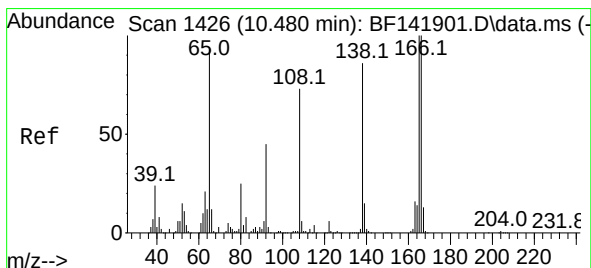
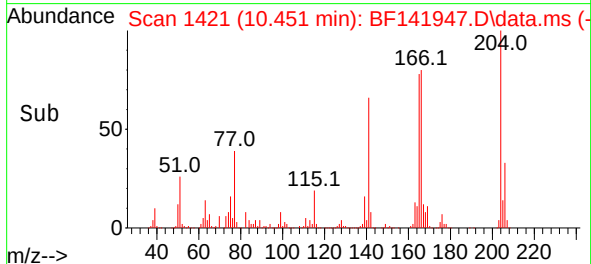
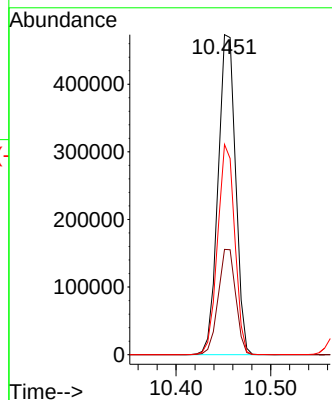
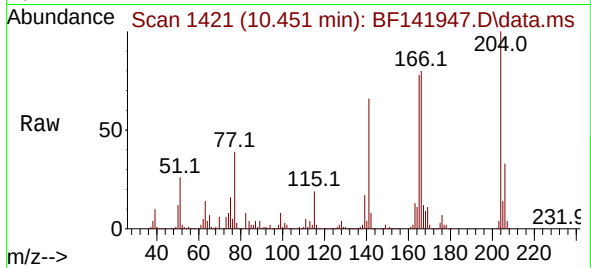




#61
4-Chlorophenyl-phenylether
Concen: 46.317 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

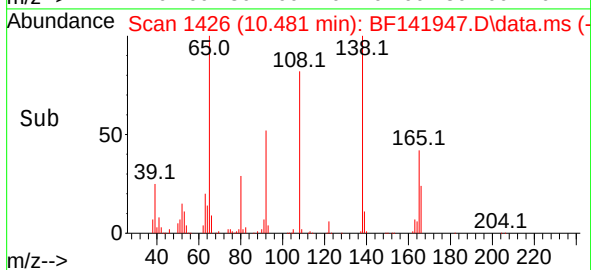
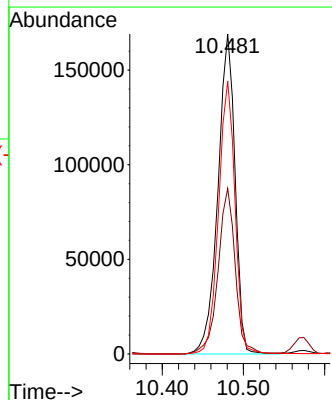
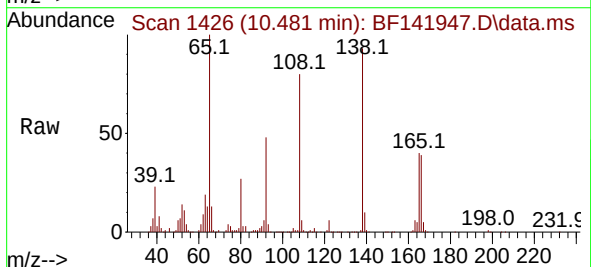
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01MSD

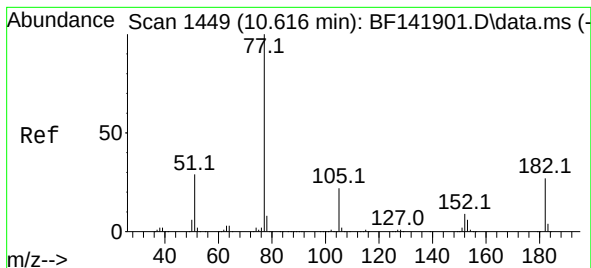
Tgt Ion:204 Resp: 609217
Ion Ratio Lower Upper
204 100
206 32.9 26.8 40.2
141 65.7 52.4 78.6



#62
4-Nitroaniline
Concen: 44.571 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Tgt Ion:138 Resp: 248793
Ion Ratio Lower Upper
138 100
92 51.7 32.6 72.6
108 85.3 65.0 105.0





#63

Azobenzene

Concen: 51.428 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

Tgt Ion: 77 Resp: 1294282

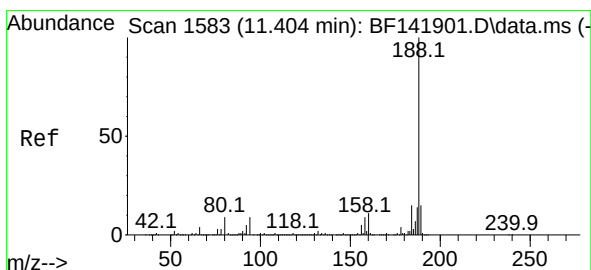
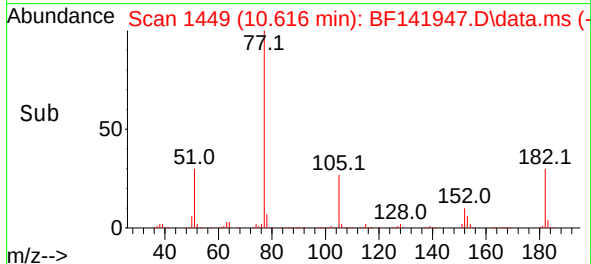
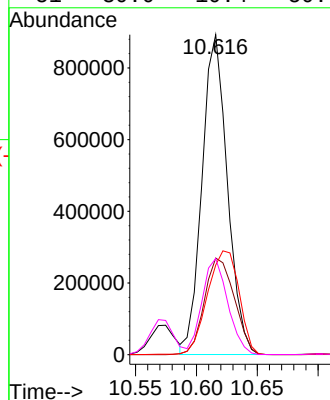
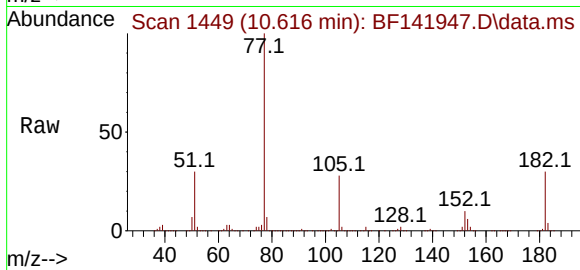
Ion Ratio Lower Upper

77 100

182 30.2 6.6 46.6

105 28.0 1.3 41.3

51 30.0 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

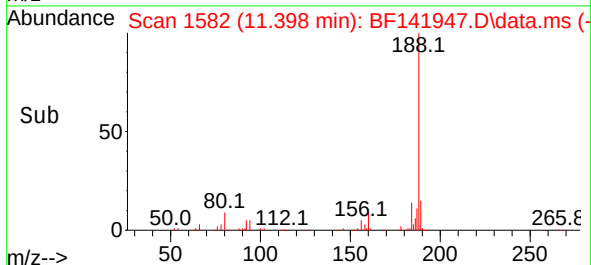
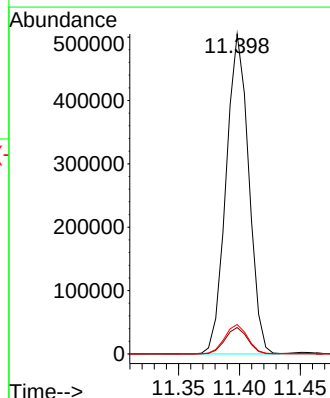
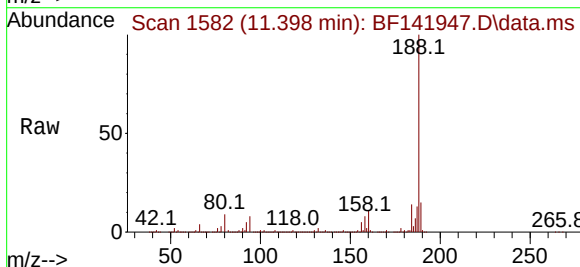
Tgt Ion:188 Resp: 653706

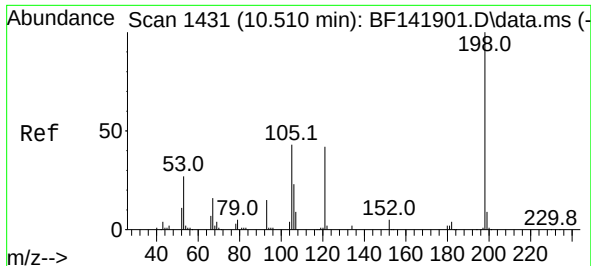
Ion Ratio Lower Upper

188 100

94 8.3 6.8 10.2

80 9.2 7.6 11.4





#65

4,6-Dinitro-2-methylphenol

Concen: 52.328 ng

RT: 10.504 min Scan# 1431

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

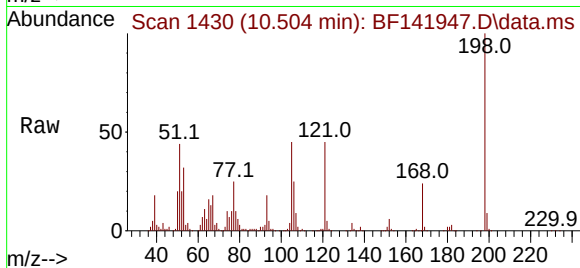
Tgt Ion:198 Resp: 203925

Ion Ratio Lower Upper

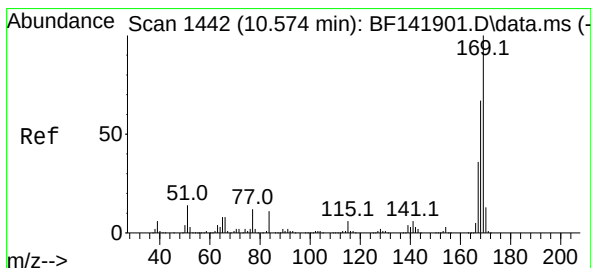
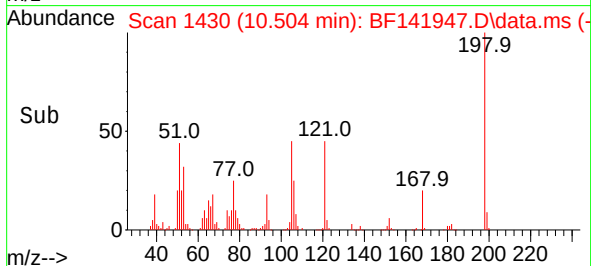
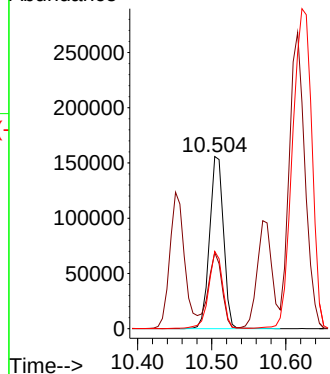
198 100

51 44.3 22.3 62.3

105 44.9 23.0 63.0



Abundance



#66

n-Nitrosodiphenylamine

Concen: 47.477 ng

RT: 10.575 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

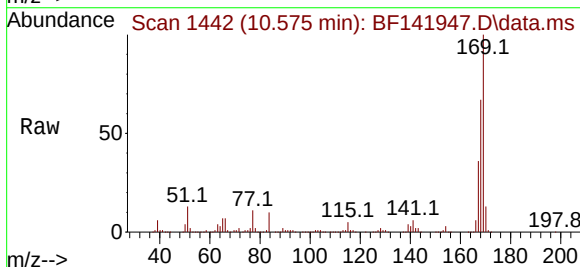
Tgt Ion:169 Resp: 1004332

Ion Ratio Lower Upper

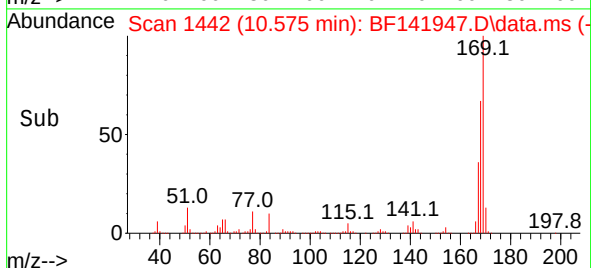
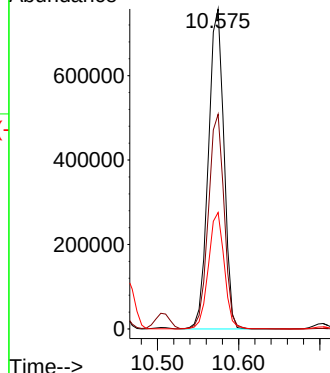
169 100

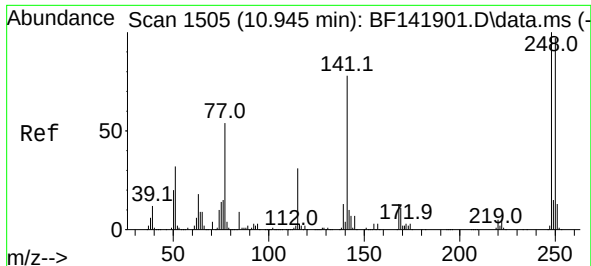
168 67.1 53.7 80.5

167 36.4 29.2 43.8



Abundance





#67

4-Bromophenyl-phenylether

Concen: 47.170 ng

RT: 10.945 min Scan# 1505

Delta R.T. 0.000 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

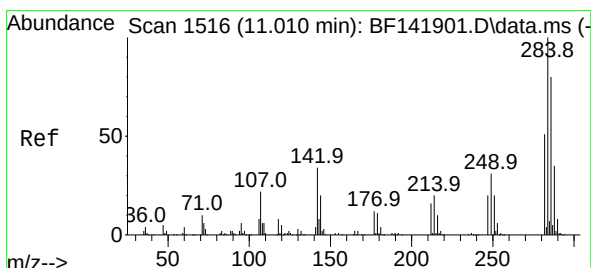
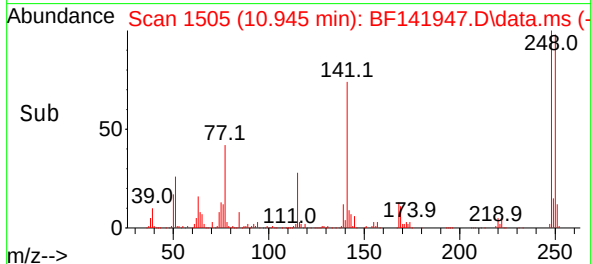
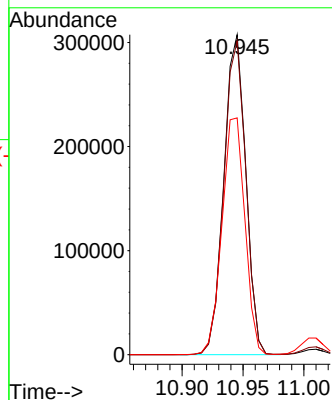
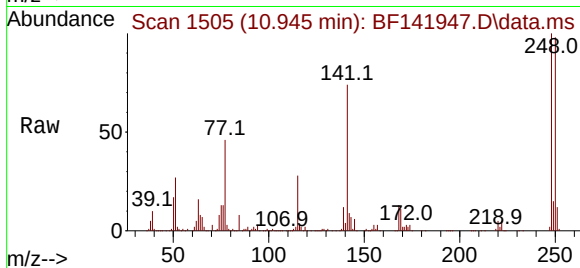
Tgt Ion:248 Resp: 387252

Ion Ratio Lower Upper

248 100

250 98.1 77.8 116.8

141 74.0 62.6 93.8



#68

Hexachlorobenzene

Concen: 48.613 ng

RT: 11.010 min Scan# 1516

Delta R.T. 0.000 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

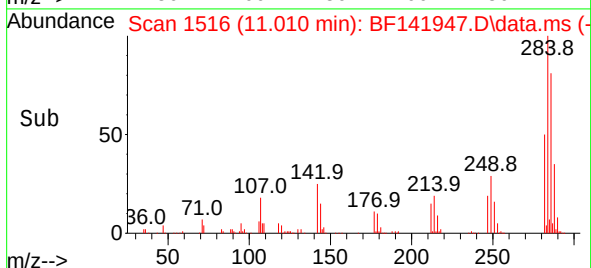
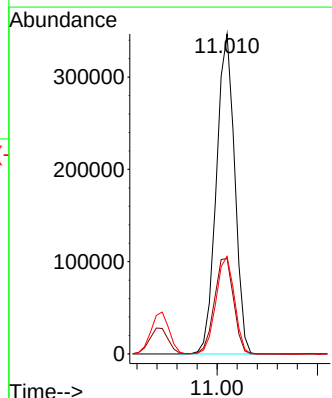
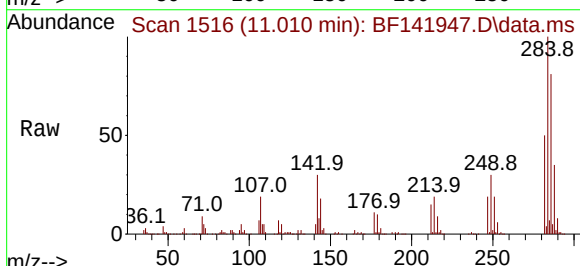
Tgt Ion:284 Resp: 437725

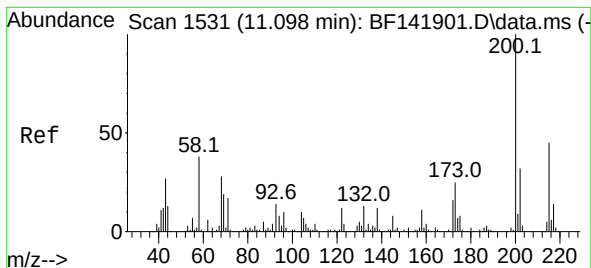
Ion Ratio Lower Upper

284 100

142 29.8 27.0 40.6

249 30.5 25.2 37.8





#69

Atrazine

Concen: 61.191 ng

RT: 11.098 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

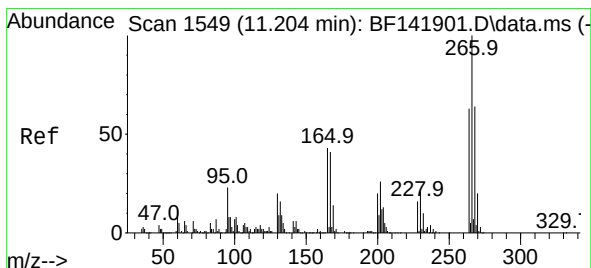
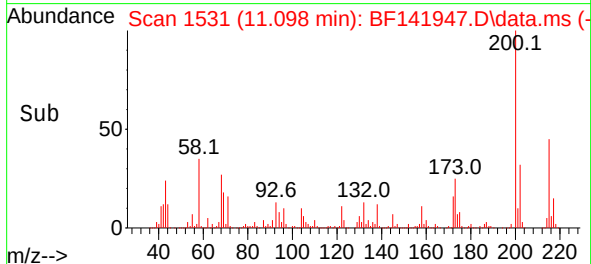
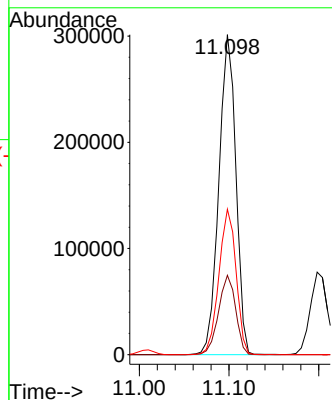
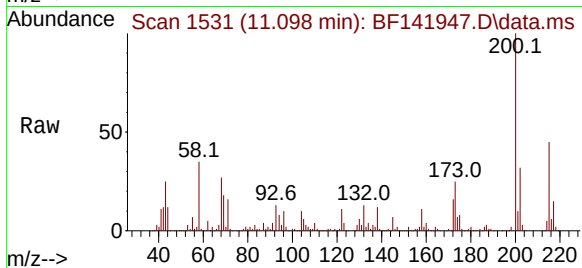
Tgt Ion:200 Resp: 396828

Ion Ratio Lower Upper

200 100

173 24.8 4.7 44.7

215 45.4 25.4 65.4



#70

Pentachlorophenol

Concen: 97.063 ng

RT: 11.198 min Scan# 1548

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

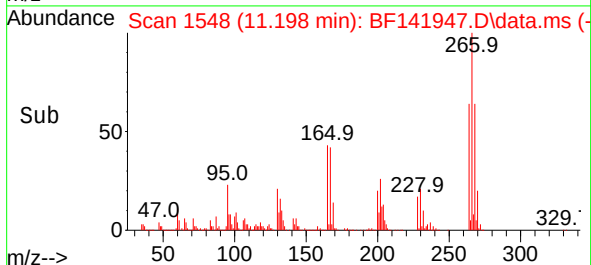
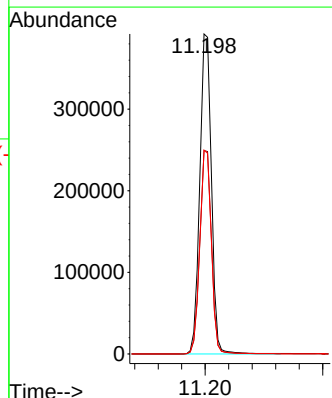
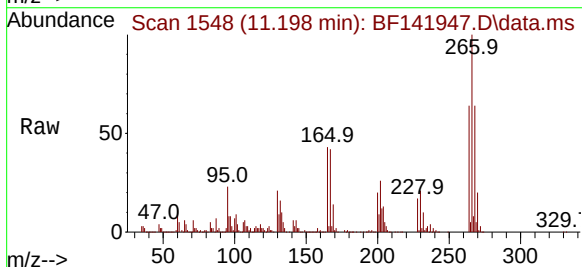
Tgt Ion:266 Resp: 538483

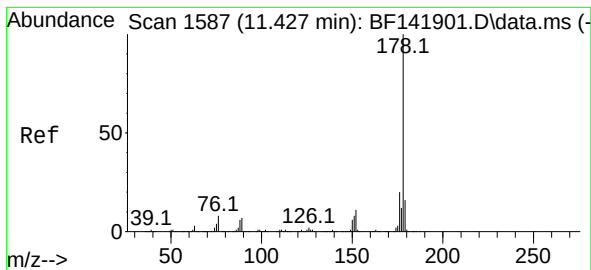
Ion Ratio Lower Upper

266 100

268 63.6 51.0 76.6

264 63.7 50.2 75.2

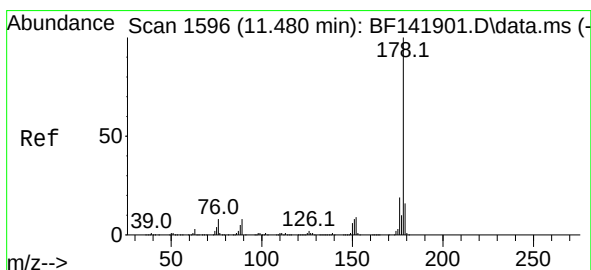
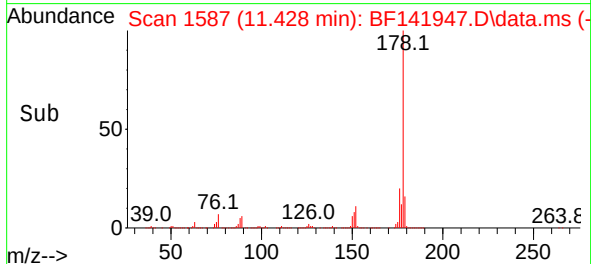
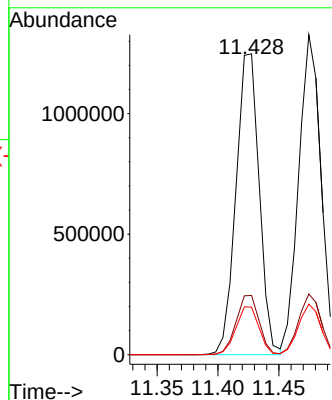
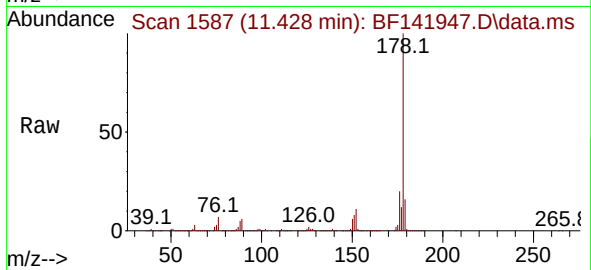




#71
Phenanthrene
Concen: 46.990 ng
RT: 11.428 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

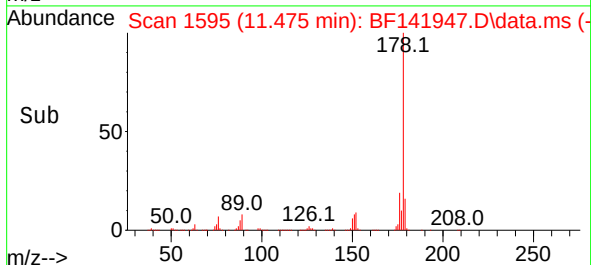
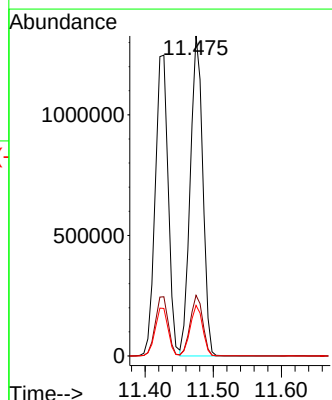
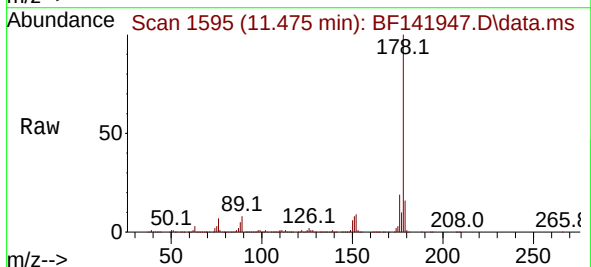
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01MSD

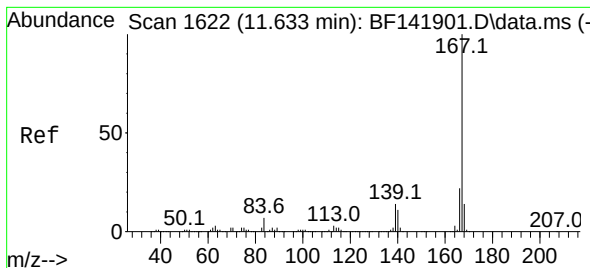
Tgt Ion:178 Resp: 1659160
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.8 12.6 19.0



#72
Anthracene
Concen: 47.587 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Tgt Ion:178 Resp: 1685714
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.8 12.6 19.0





#73

Carbazole

Concen: 45.320 ng

RT: 11.628 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

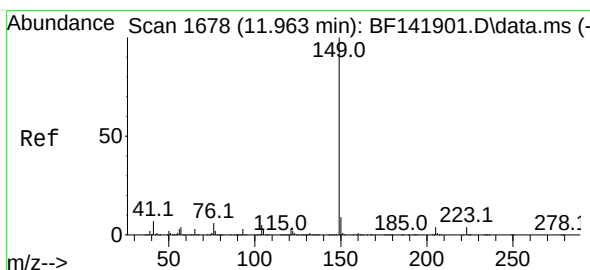
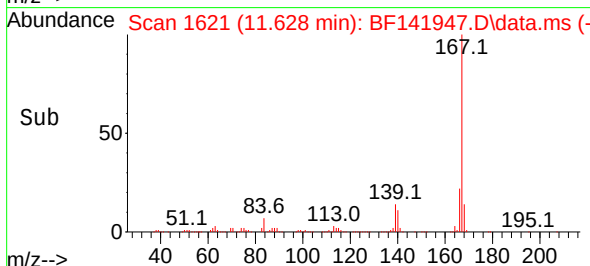
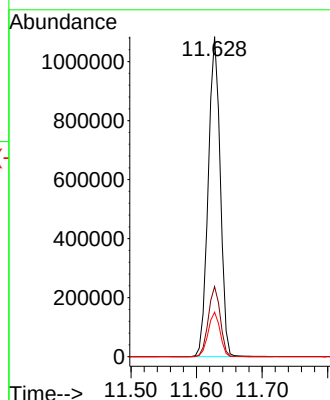
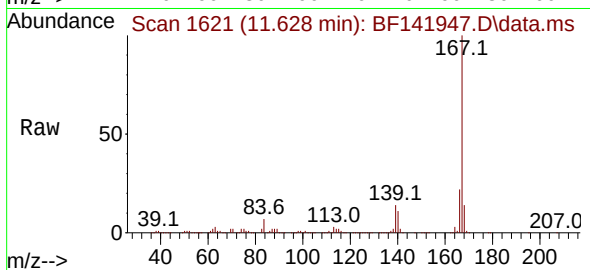
Tgt Ion:167 Resp: 1384515

Ion Ratio Lower Upper

167 100

166 21.9 17.4 26.2

139 13.9 11.0 16.6



#74

Di-n-butylphthalate

Concen: 44.609 ng

RT: 11.957 min Scan# 1677

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

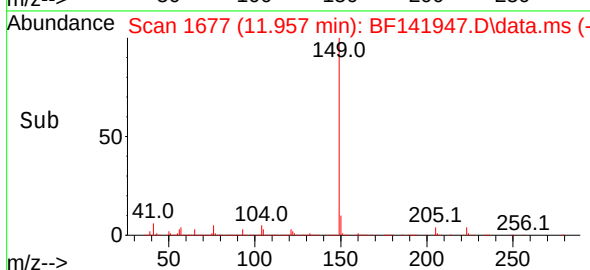
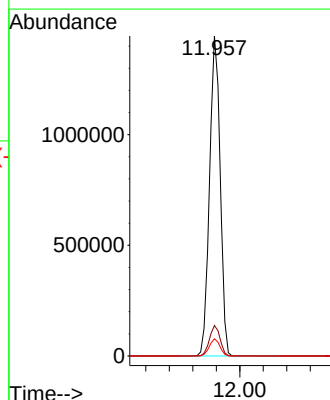
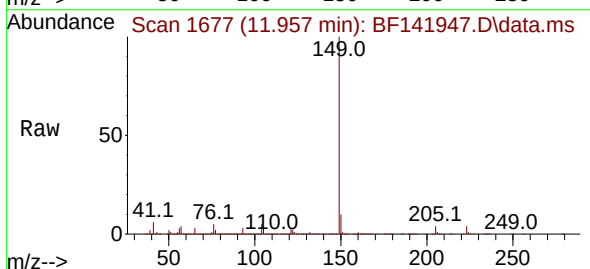
Tgt Ion:149 Resp: 1808285

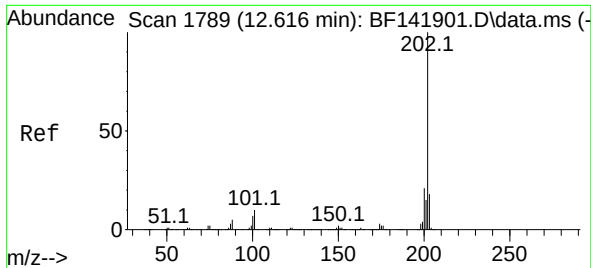
Ion Ratio Lower Upper

149 100

150 9.5 7.6 11.4

104 5.3 4.4 6.6

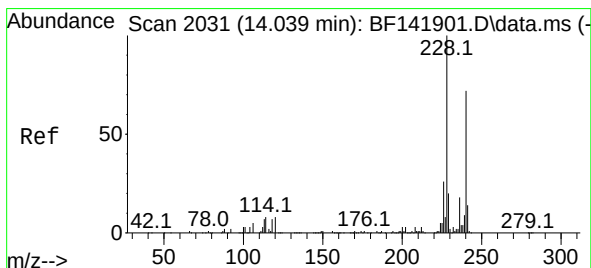
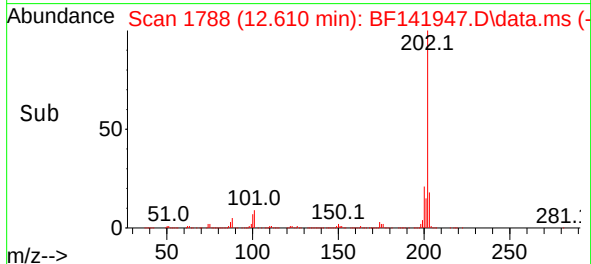
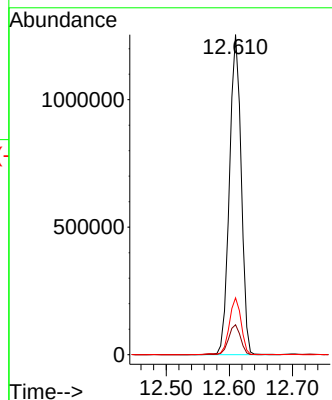
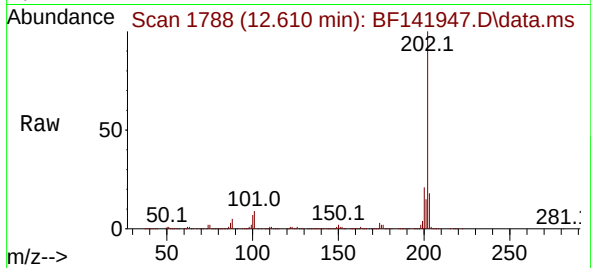




#75
Fluoranthene
Concen: 43.137 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

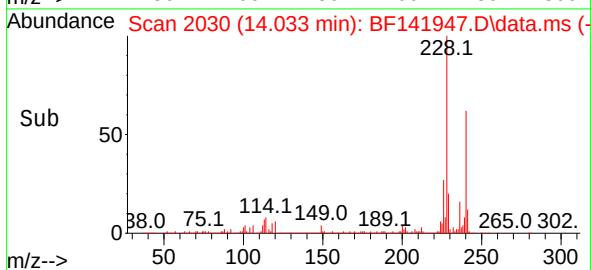
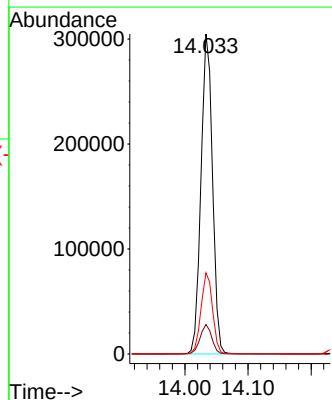
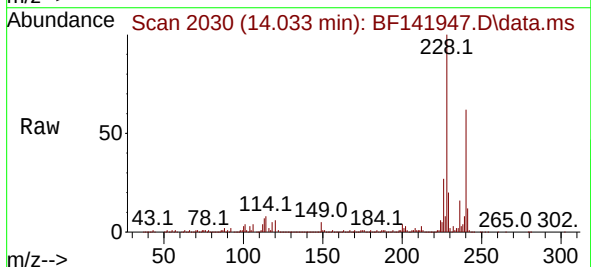
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01MSD

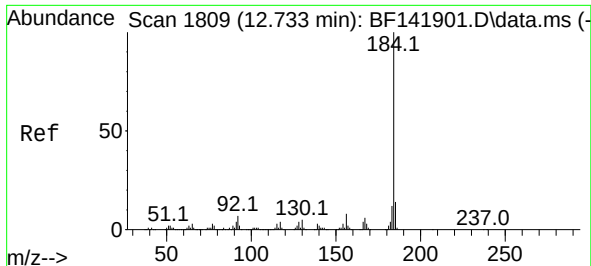
Tgt Ion:202 Resp: 1615657
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.7
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Tgt Ion:240 Resp: 386399
Ion Ratio Lower Upper
240 100
120 9.2 8.4 12.6
236 25.4 20.5 30.7





#77

Benzidine

Concen: 74.234 ng

RT: 12.727 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

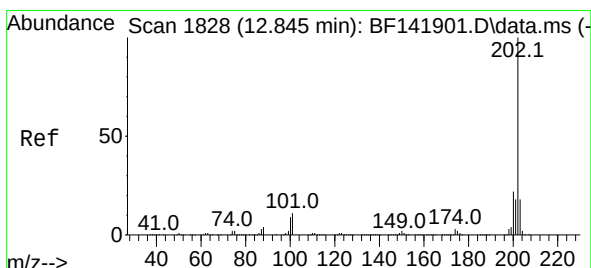
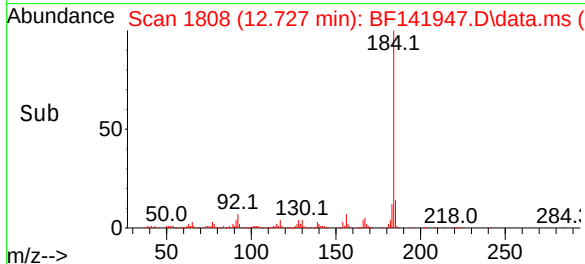
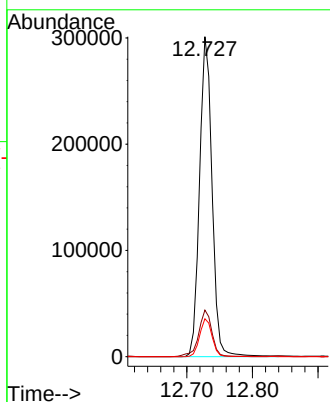
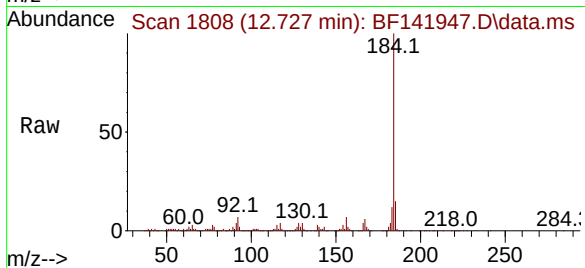
Tgt Ion:184 Resp: 400196

Ion Ratio Lower Upper

184 100

185 14.5 11.5 17.3

183 11.9 9.7 14.5



#78

Pyrene

Concen: 46.802 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

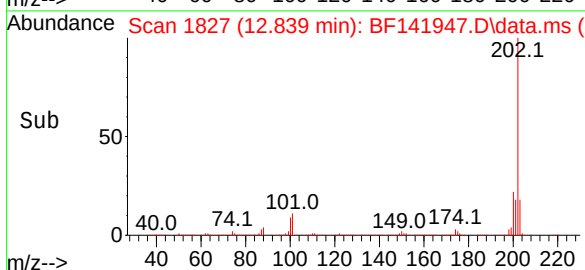
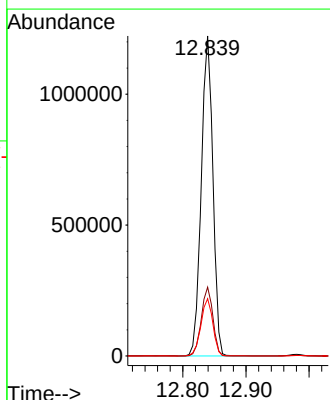
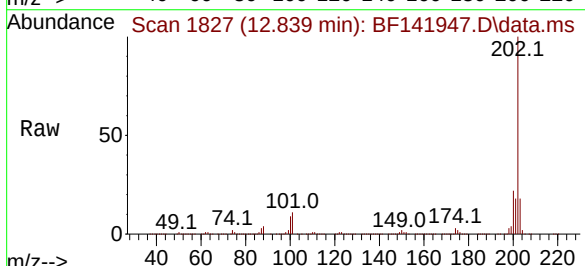
Tgt Ion:202 Resp: 1564324

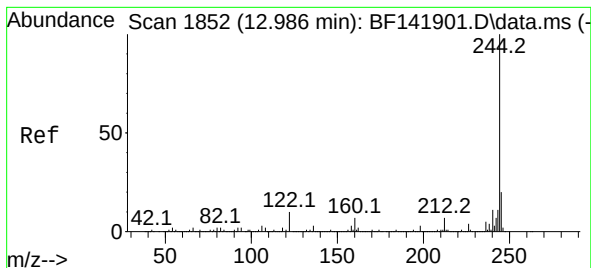
Ion Ratio Lower Upper

202 100

200 21.5 17.3 25.9

203 17.9 14.4 21.6





#79

Terphenyl-d14

Concen: 75.249 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

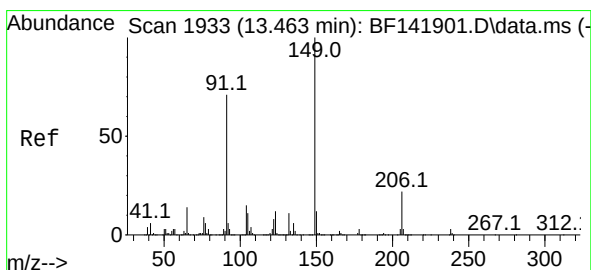
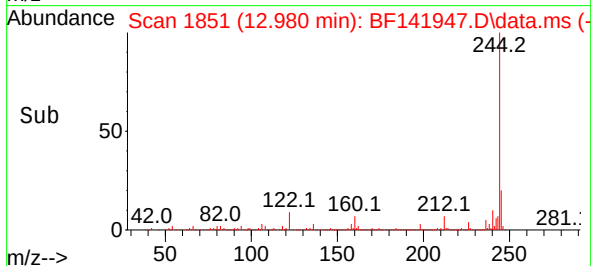
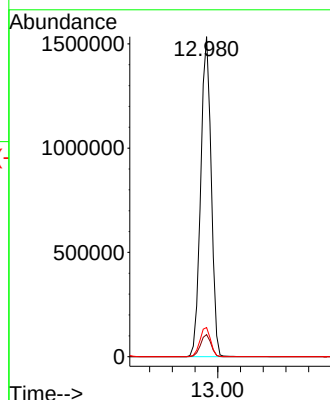
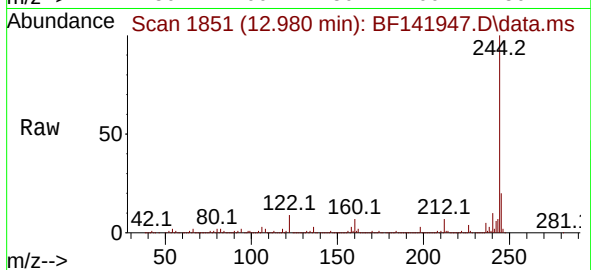
Tgt Ion:244 Resp: 1966669

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.1 7.7 11.5



#80

Butylbenzylphthalate

Concen: 46.248 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

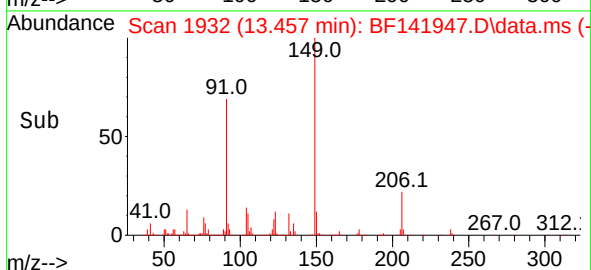
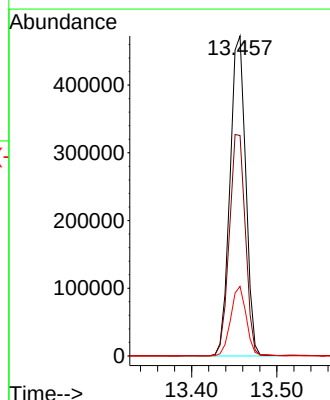
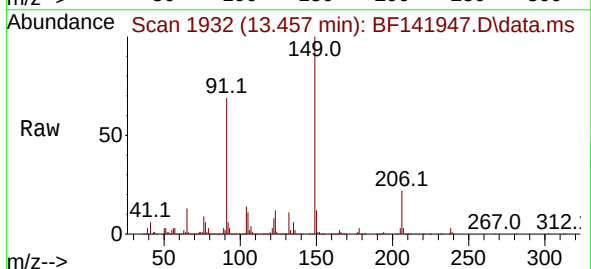
Tgt Ion:149 Resp: 605021

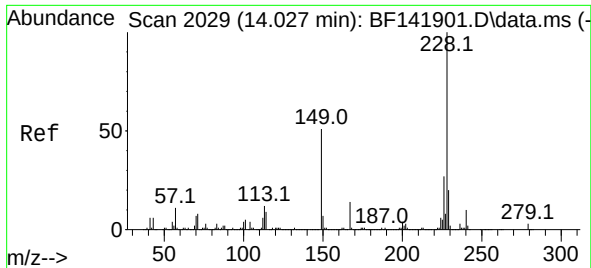
Ion Ratio Lower Upper

149 100

91 68.9 56.5 84.7

206 21.8 17.3 25.9

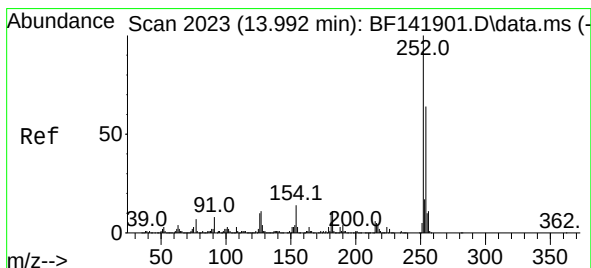
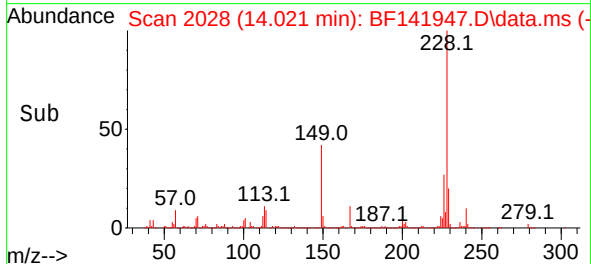
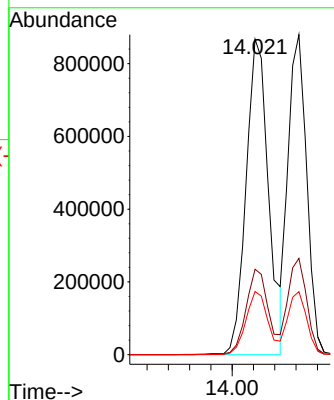
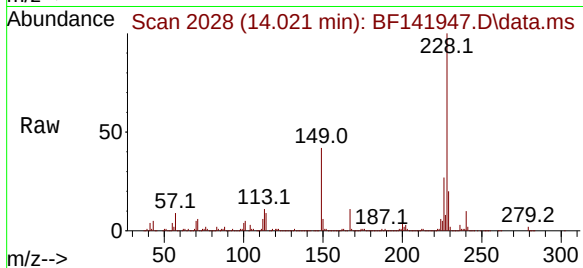




#81
Benzo(a)anthracene
Concen: 50.098 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

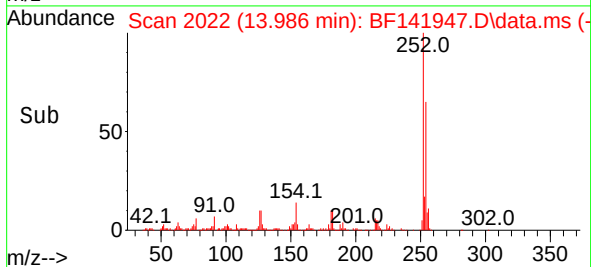
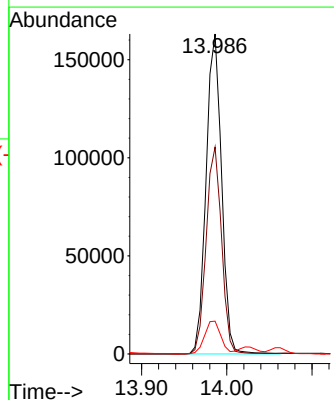
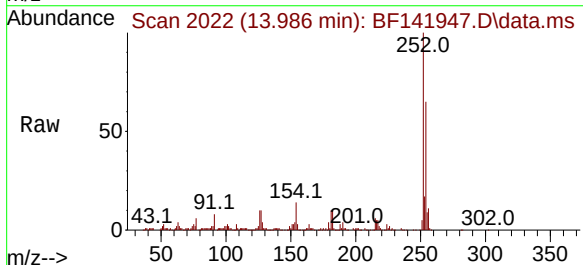
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01MSD

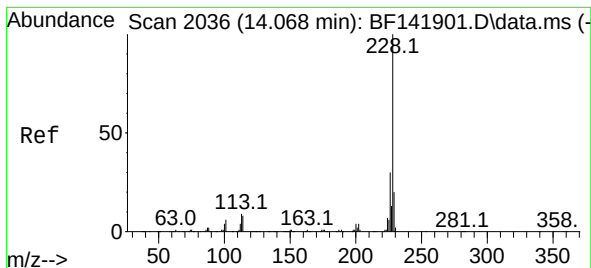
Tgt Ion:228 Resp: 1270257
Ion Ratio Lower Upper
228 100
226 27.1 21.8 32.8
229 20.0 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 28.118 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141947.D
Acq: 13 Mar 2025 18:13

Tgt Ion:252 Resp: 206032
Ion Ratio Lower Upper
252 100
254 64.7 51.0 76.6
126 10.3 8.4 12.6





#83

Chrysene

Concen: 46.227 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

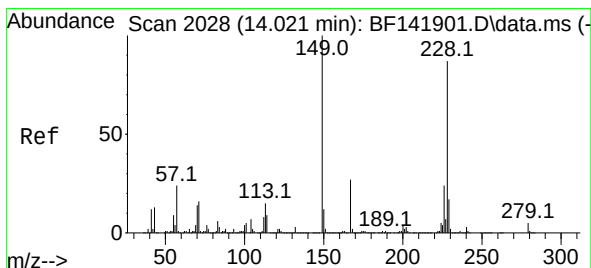
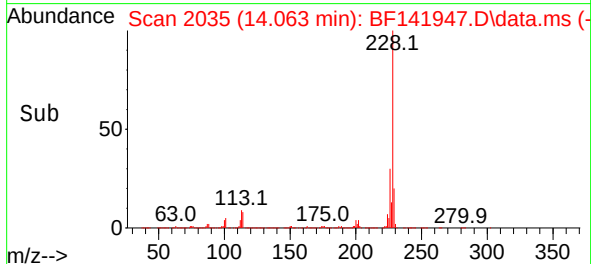
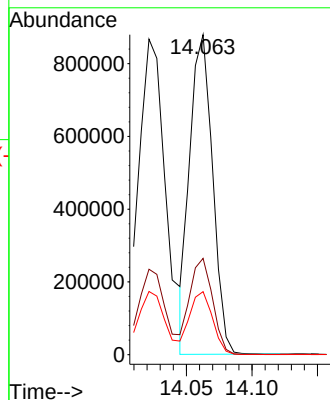
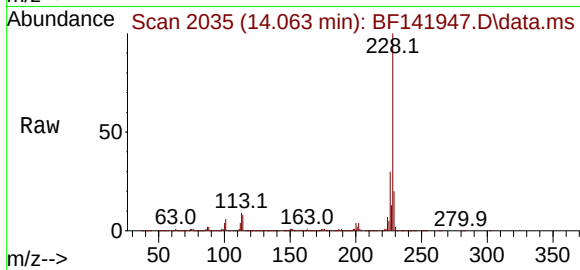
Tgt Ion:228 Resp: 1062481

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

229 19.7 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.512 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.012 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

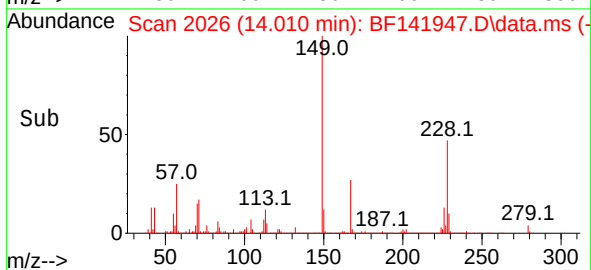
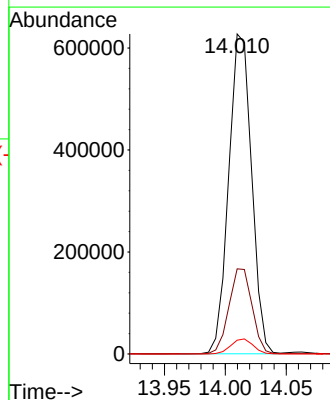
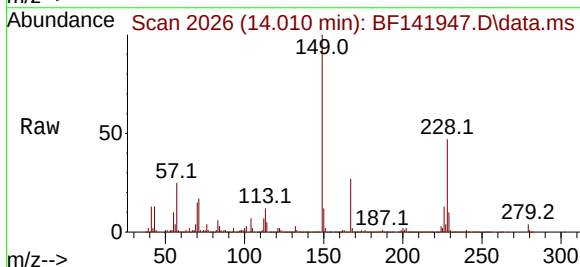
Tgt Ion:149 Resp: 820927

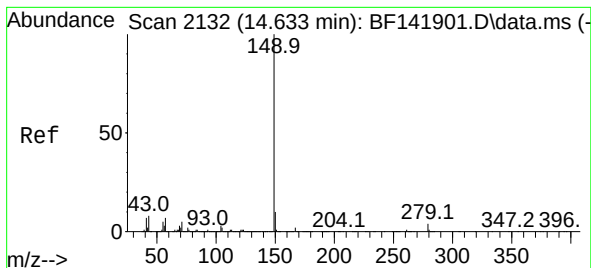
Ion Ratio Lower Upper

149 100

167 26.6 21.4 32.0

279 4.3 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 49.833 ng

RT: 14.621 min Scan# 2130

Delta R.T. -0.012 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

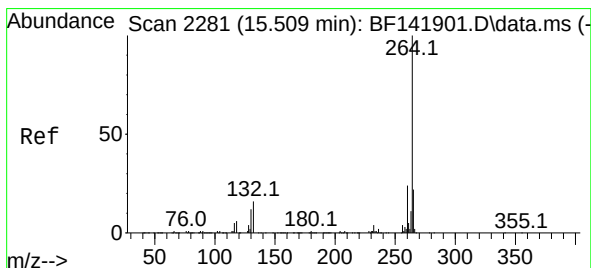
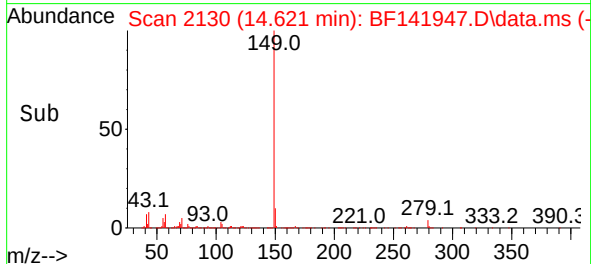
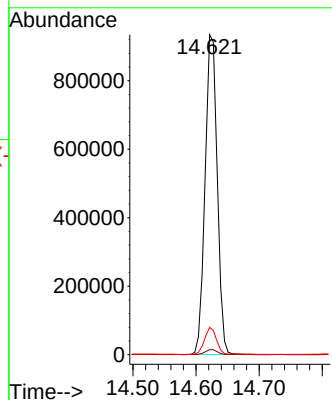
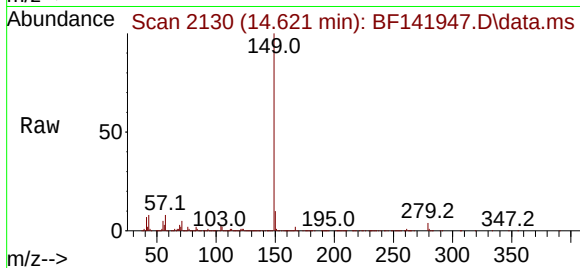
Tgt Ion:149 Resp: 1250691

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.2 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

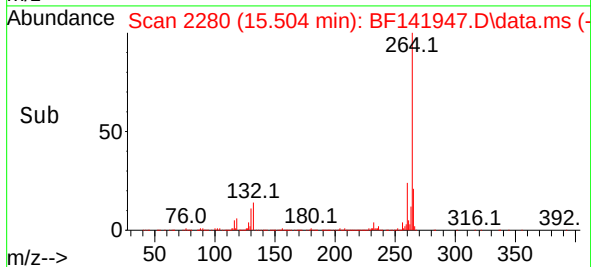
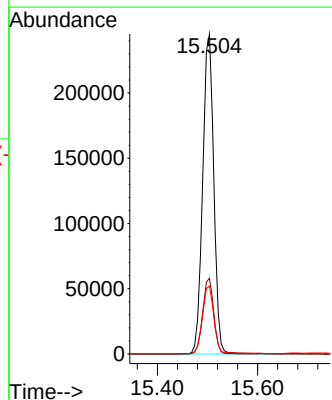
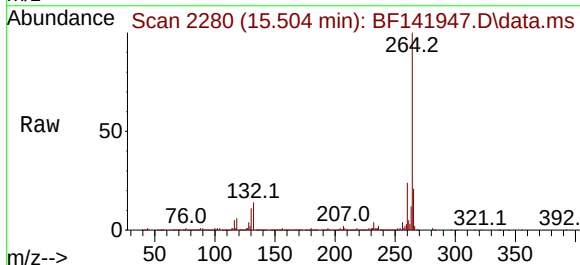
Tgt Ion:264 Resp: 377173

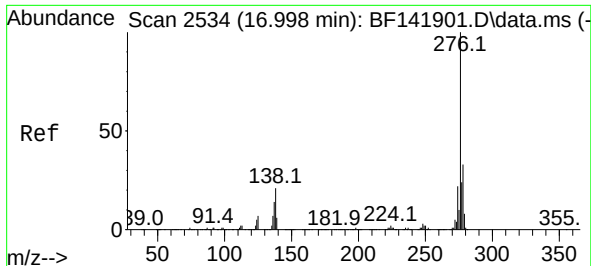
Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

265 21.2 17.5 26.3

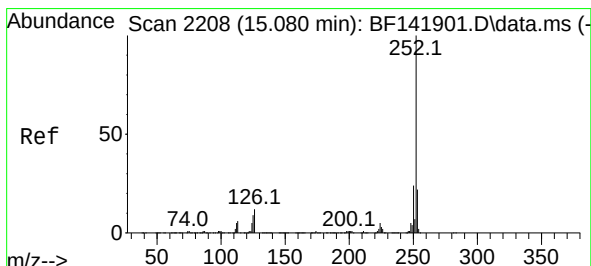
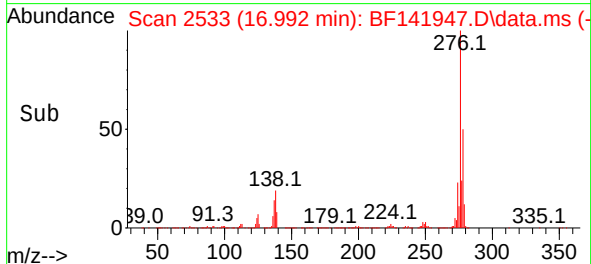
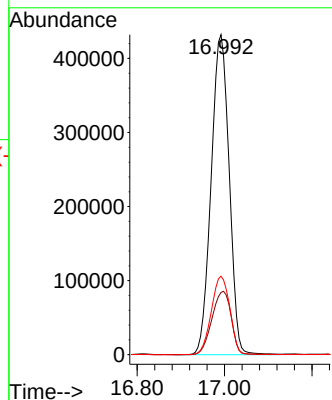
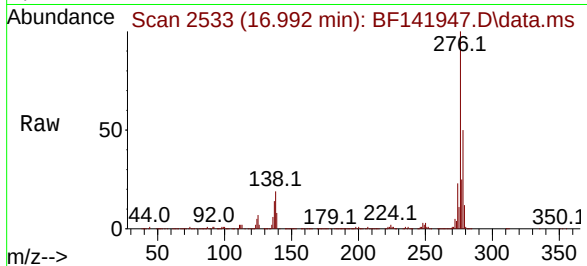




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 50.615 ng
 RT: 16.992 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF141947.D
 Acq: 13 Mar 2025 18:13

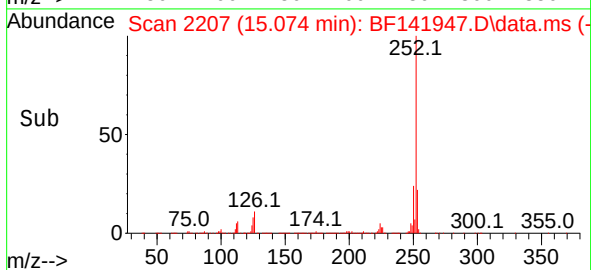
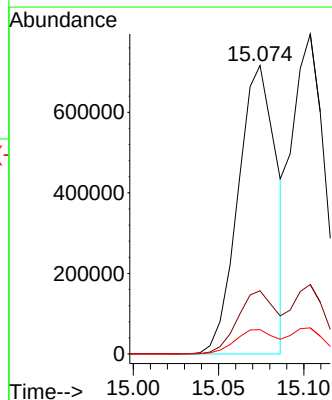
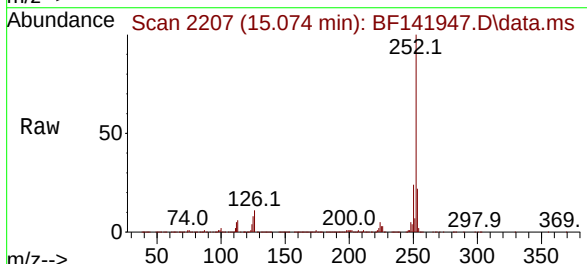
Instrument :
 BNA_F
 ClientSampleId :
 OR-620-JB-COMP-01MSD

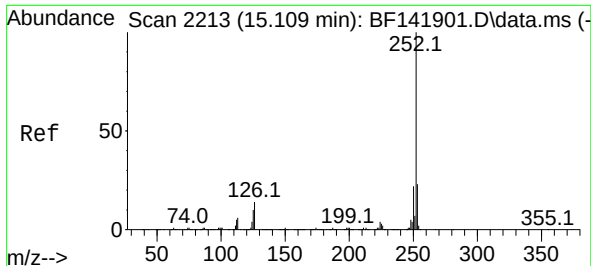
Tgt Ion:276 Resp: 1234951
 Ion Ratio Lower Upper
 276 100
 138 21.2 18.4 27.6
 277 25.4 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 43.159 ng
 RT: 15.074 min Scan# 2207
 Delta R.T. -0.006 min
 Lab File: BF141947.D
 Acq: 13 Mar 2025 18:13

Tgt Ion:252 Resp: 1115662
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.5 26.3
 125 8.4 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 47.577 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.006 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

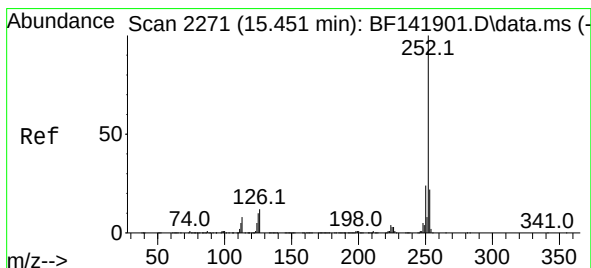
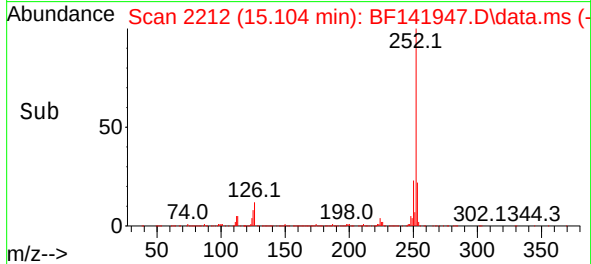
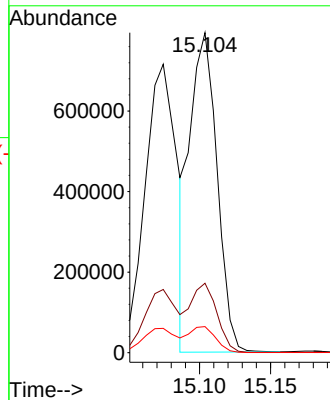
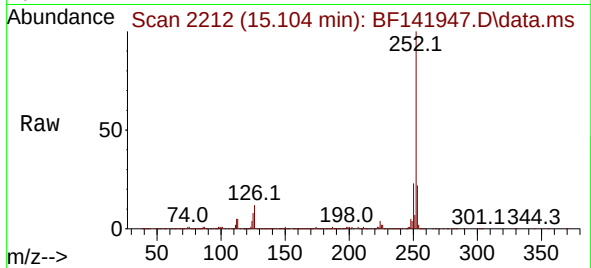
Tgt Ion:252 Resp: 1052468

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 8.2 7.2 10.8



#90

Benzo(a)pyrene

Concen: 50.446 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.012 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

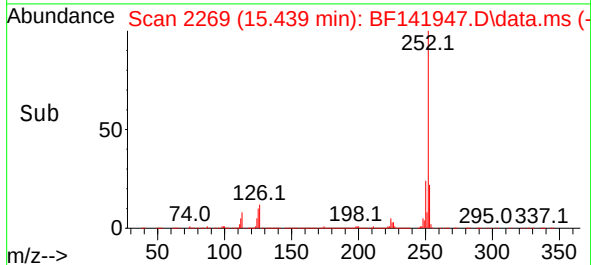
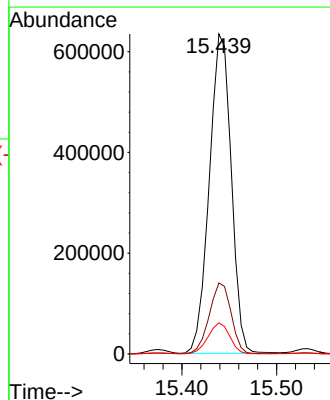
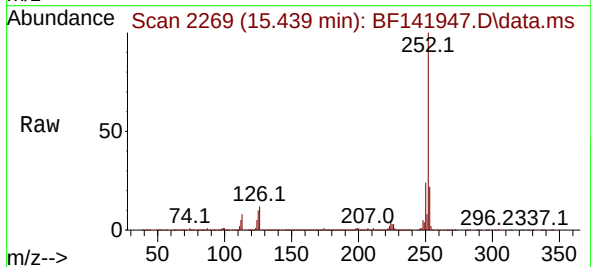
Tgt Ion:252 Resp: 1020351

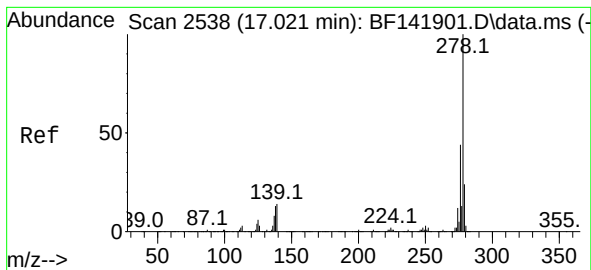
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 9.7 7.8 11.8





#91

Dibenzo(a,h)anthracene

Concen: 50.373 ng

RT: 17.010 min Scan# 210

Delta R.T. -0.012 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01MSD

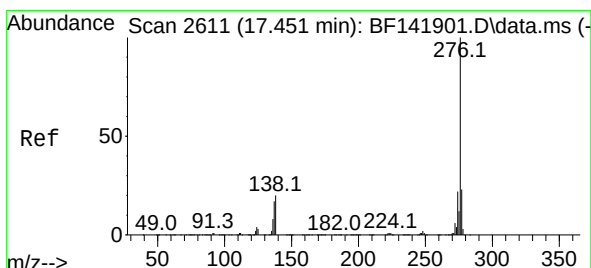
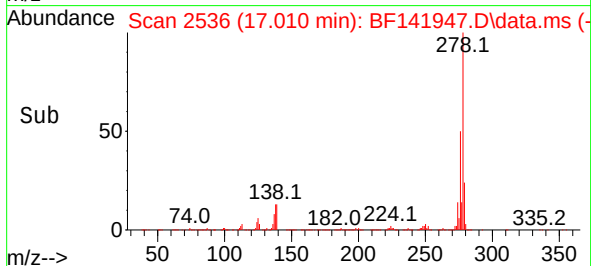
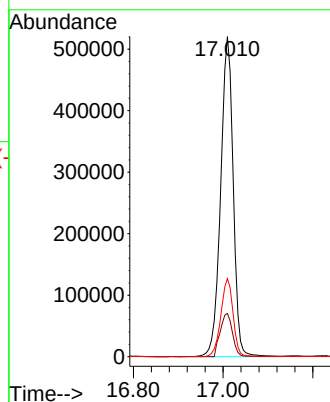
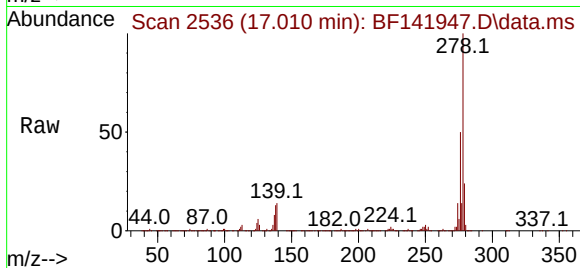
Tgt Ion:278 Resp: 1014043

Ion Ratio Lower Upper

278 100

139 13.5 11.4 17.2

279 24.4 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 46.029 ng

RT: 17.439 min Scan# 2609

Delta R.T. -0.012 min

Lab File: BF141947.D

Acq: 13 Mar 2025 18:13

Tgt Ion:276 Resp: 915674

Ion Ratio Lower Upper

276 100

277 23.9 18.7 28.1

138 19.1 15.8 23.8

