

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
 Data File : BF140717.D
 Acq On : 03 Dec 2024 18:00
 Operator : RC/JU
 Sample : P5052-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-640-COMP-50

Quant Time: Dec 03 22:14:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

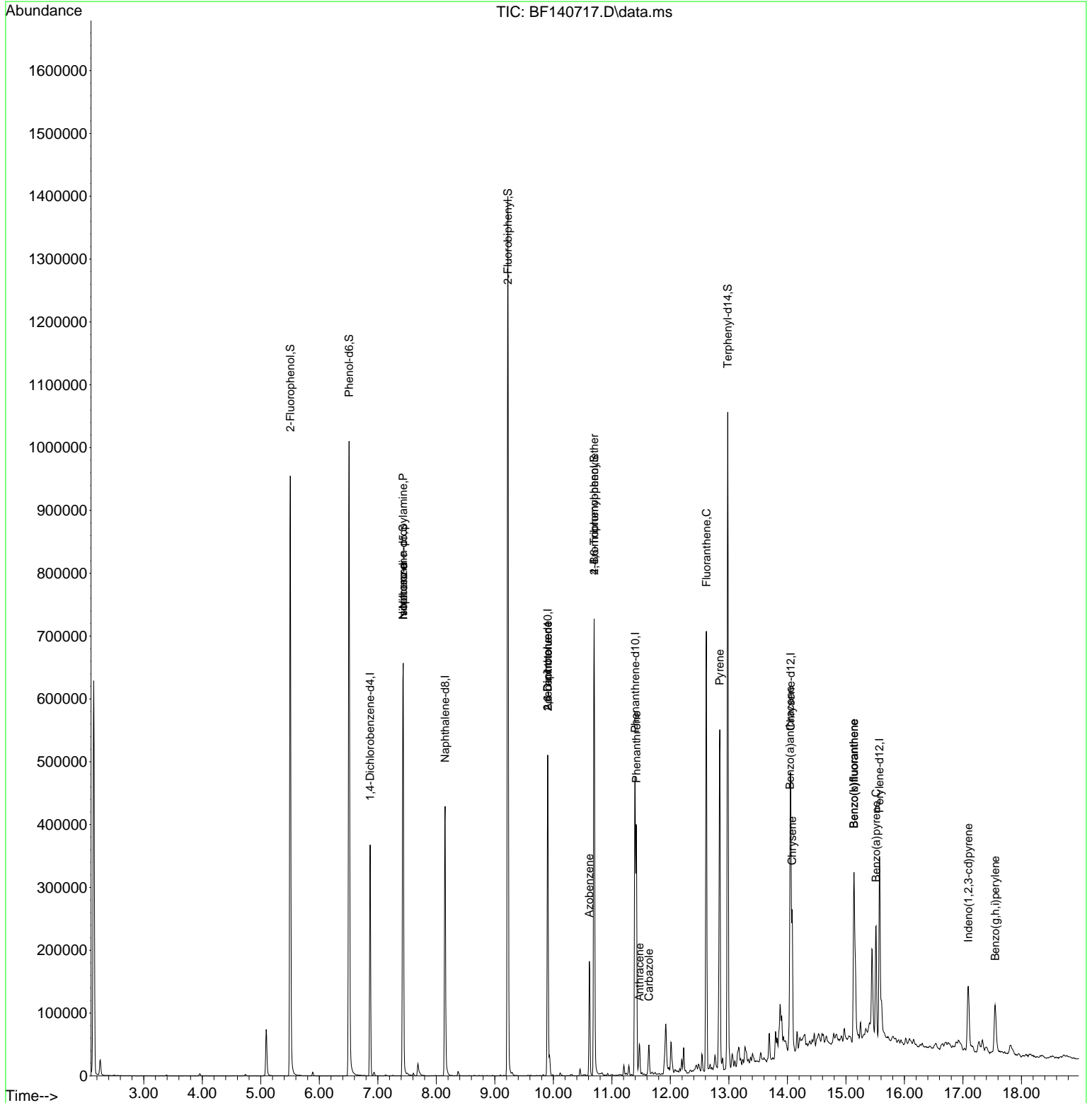
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	77056	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	285889	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	153667	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	261474	20.000	ng	0.00
76) Chrysene-d12	14.057	240	145739	20.000	ng	0.00
86) Perylene-d12	15.574	264	172979	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	368045	81.494	ng	0.00
7) Phenol-d6	6.510	99	482292	80.779	ng	0.00
23) Nitrobenzene-d5	7.433	82	316546	56.635	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	126517	76.981	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	612349	59.373	ng	-0.01
79) Terphenyl-d14	12.980	244	503447	53.790	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.433	70	41965	11.893	ng	# 75
25) Isophorone	7.433	82	316289	33.928	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	19338	8.425	ng	# 20
57) 2,4-Dinitrotoluene	9.904	165	19338	6.339	ng	# 18
63) Azobenzene	10.616	77	48143	4.944	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	7953	2.953	ng	# 1
71) Phenanthrene	11.421	178	213594	16.994	ng	98
72) Anthracene	11.474	178	29262	2.380	ng	97
73) Carbazole	11.633	167	28117	2.377	ng	98
75) Fluoranthene	12.616	202	403907	29.598	ng	99
78) Pyrene	12.845	202	325054	24.122	ng	98
81) Benzo(a)anthracene	14.045	228	122063	12.653	ng	99
83) Chrysene	14.080	228	120330	13.641	ng	98
87) Indeno(1,2,3-cd)pyrene	17.092	276	75992	6.741	ng	98
88) Benzo(b)fluoranthene	15.139	252	228736	21.052	ng	99
89) Benzo(k)fluoranthene	15.139	252	228736	24.058	ng	99
90) Benzo(a)pyrene	15.515	252	113403	12.837	ng	98
92) Benzo(g,h,i)perylene	17.550	276	71502	7.590	ng	97

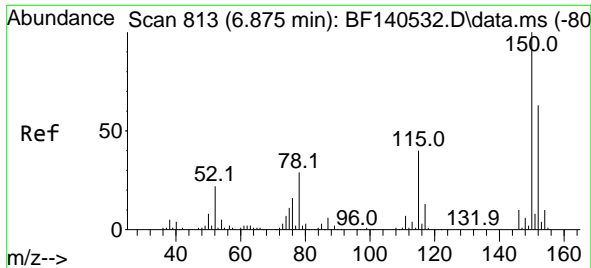
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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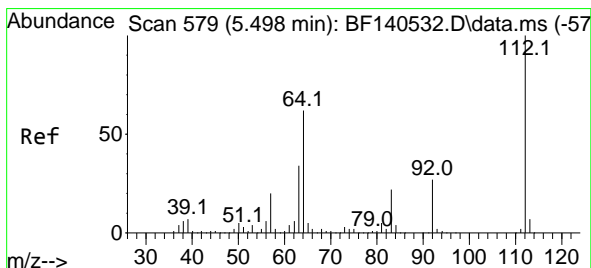
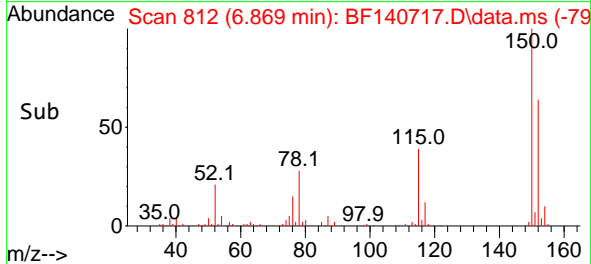
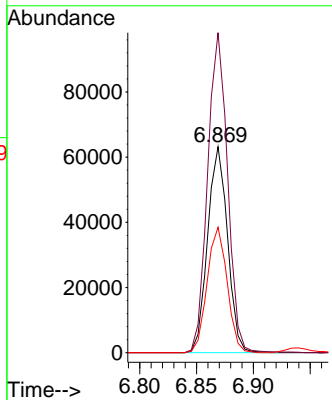
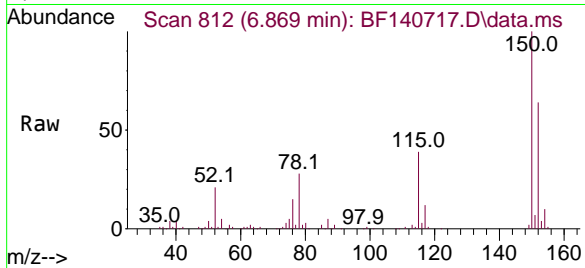




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

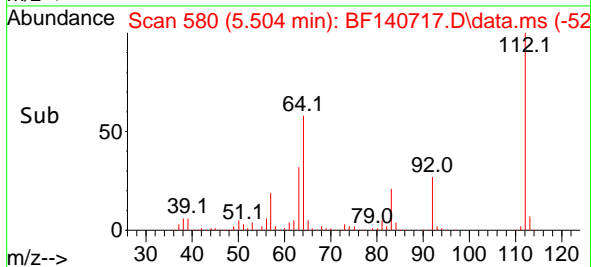
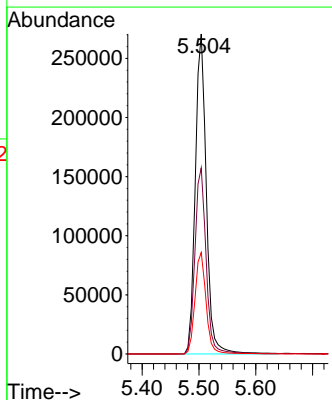
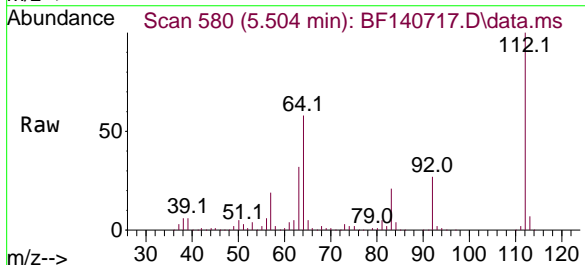
Instrument :
 BNA_F
 ClientSampleId :
 OR-640-COMP-50

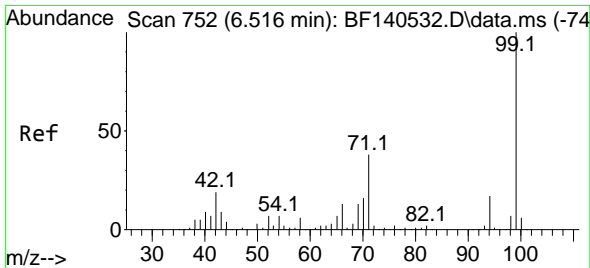
Tgt Ion:152 Resp: 77056
 Ion Ratio Lower Upper
 152 100
 150 155.4 128.5 192.7
 115 60.9 50.2 75.4



#5
 2-Fluorophenol
 Concen: 81.494 ng
 RT: 5.504 min Scan# 580
 Delta R.T. 0.006 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

Tgt Ion:112 Resp: 368045
 Ion Ratio Lower Upper
 112 100
 64 58.1 49.2 73.8
 63 31.7 27.0 40.4



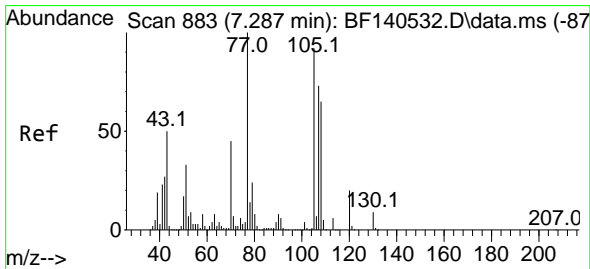
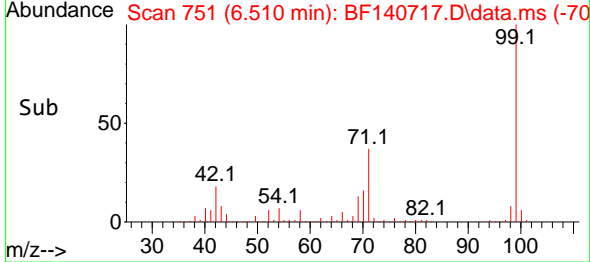
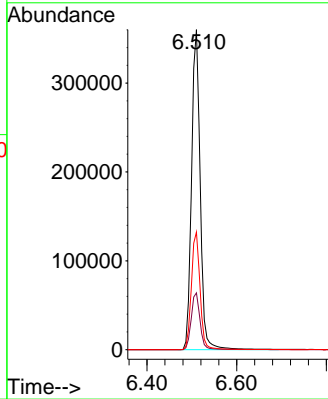
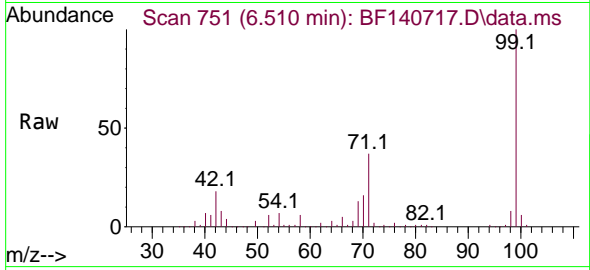


#7
 Phenol-d6
 Concen: 80.779 ng
 RT: 6.510 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OR-640-COMP-50

Tgt Ion: 99 Resp: 482292

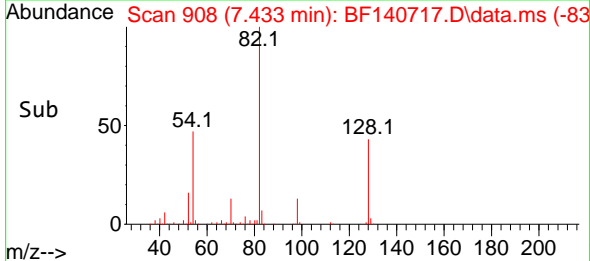
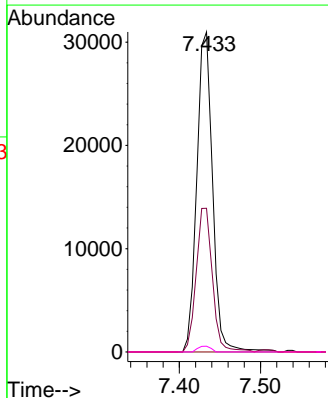
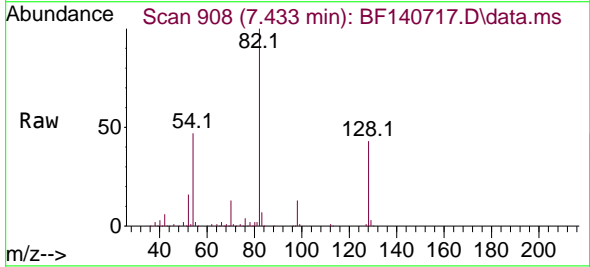
Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.4	23.0
71	36.8	30.6	46.0

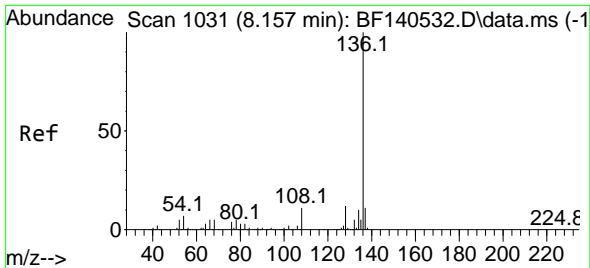


#19
 n-Nitroso-di-n-propylamine
 Concen: 11.893 ng
 RT: 7.433 min Scan# 908
 Delta R.T. 0.147 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

Tgt Ion: 70 Resp: 41965

Ion	Ratio	Lower	Upper
70	100		
42	44.9	47.6	71.4#
101	0.0	7.6	11.4#
130	1.8	16.2	24.4#



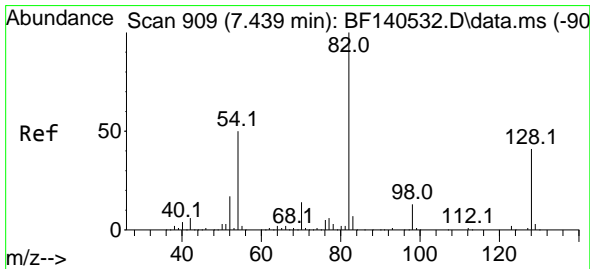
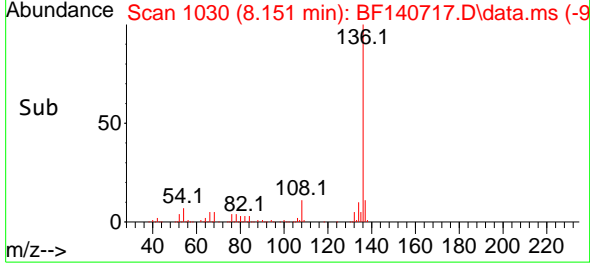
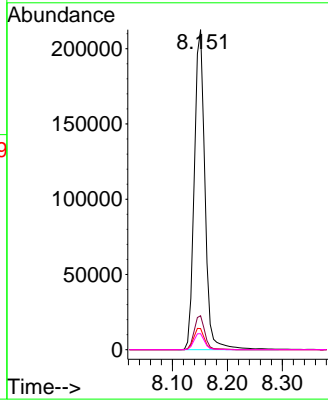
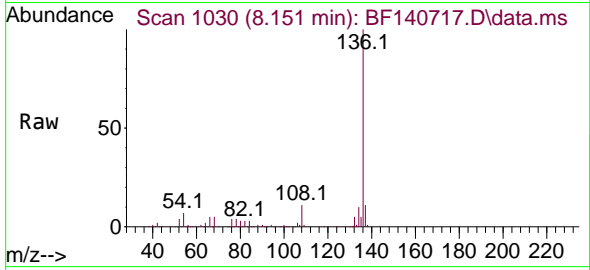


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.151 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OR-640-COMP-50

Tgt Ion:136 Resp: 285889

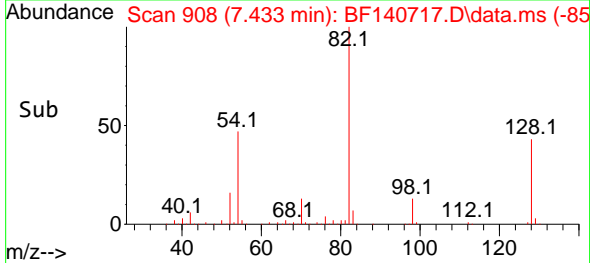
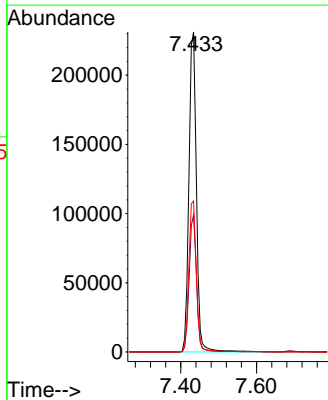
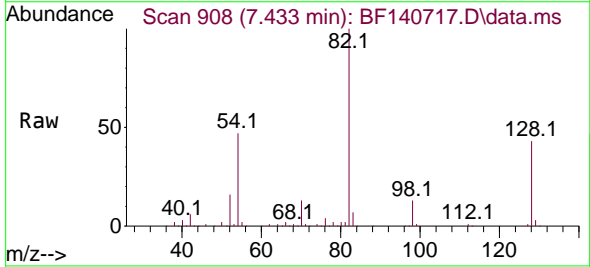
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	6.6	5.8	8.8
68	5.0	4.1	6.1

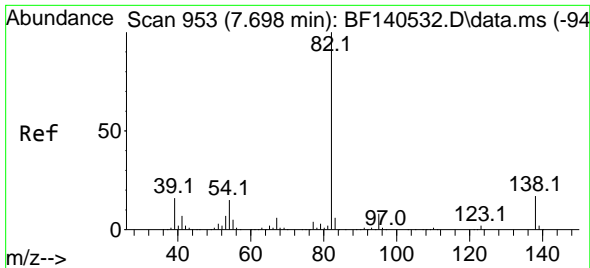


#23
 Nitrobenzene-d5
 Concen: 56.635 ng
 RT: 7.433 min Scan# 908
 Delta R.T. -0.006 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

Tgt Ion: 82 Resp: 316546

Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.0	49.4
54	47.2	39.5	59.3

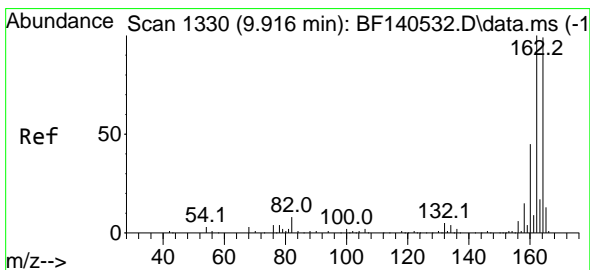
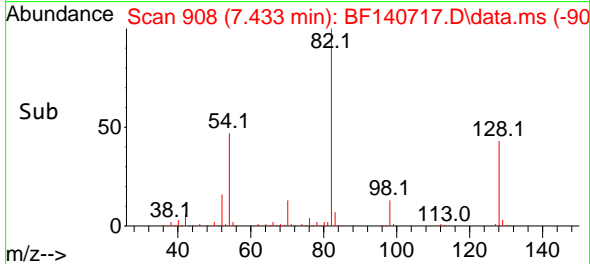
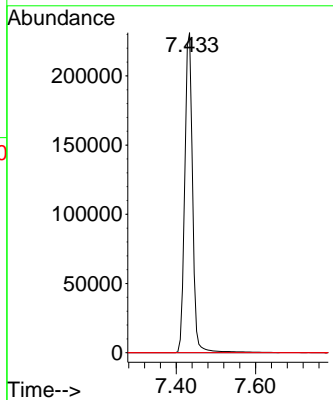
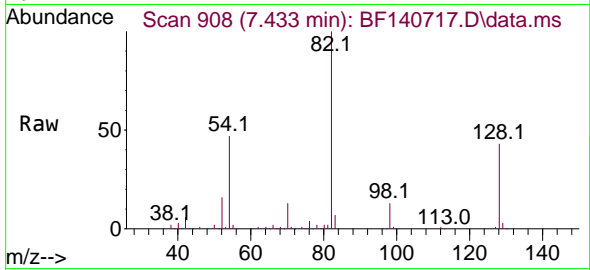




#25
 Isophorone
 Concen: 33.928 ng
 RT: 7.433 min Scan# 90
 Delta R.T. -0.265 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

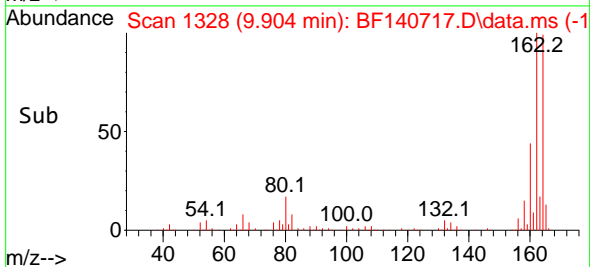
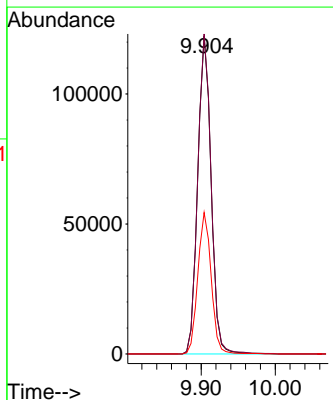
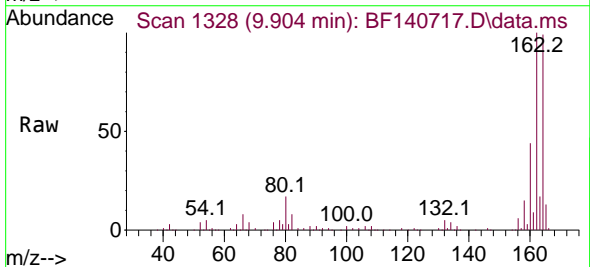
Instrument :
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 OR-640-COMP-50

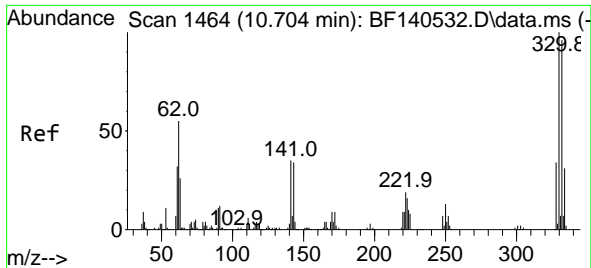
Tgt Ion: 82 Resp: 316289
 Ion Ratio Lower Upper
 82 100
 95 0.0 6.4 9.6#
 138 0.0 13.8 20.6#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.904 min Scan# 1328
 Delta R.T. -0.012 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

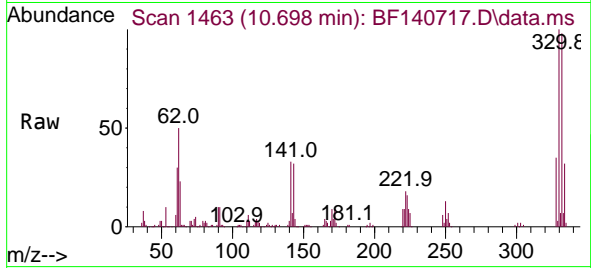
Tgt Ion:164 Resp: 153667
 Ion Ratio Lower Upper
 164 100
 162 100.6 80.6 120.8
 160 44.4 36.2 54.4



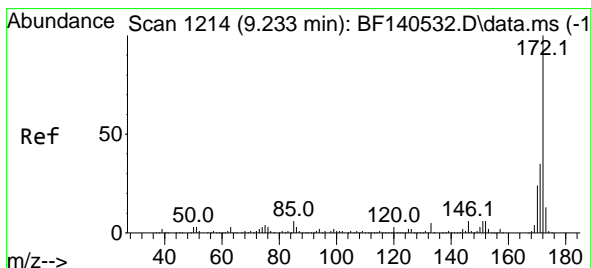
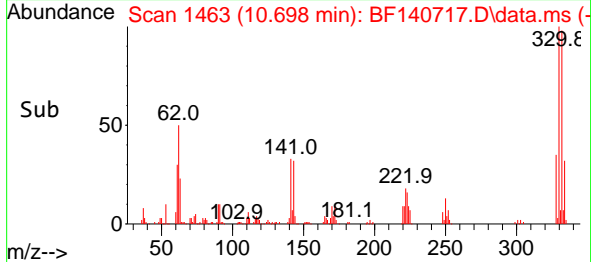
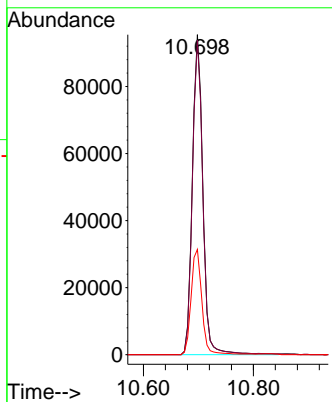


#42
 2,4,6-Tribromophenol
 Concen: 76.981 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.006 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OR-640-COMP-50

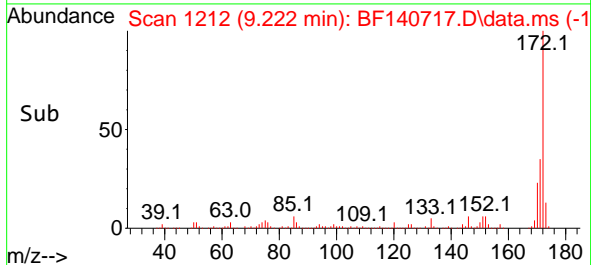
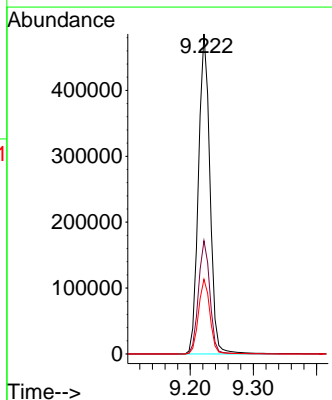
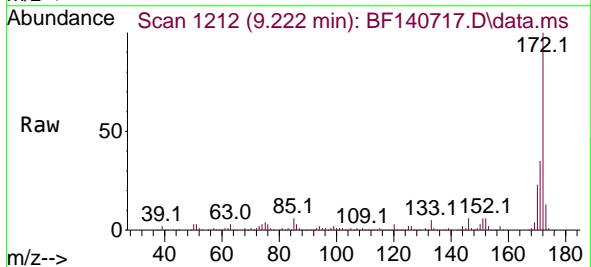


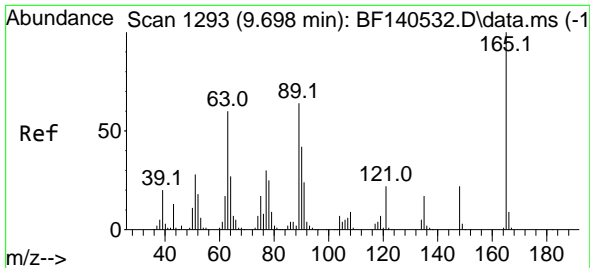
Tgt Ion:330 Resp: 126517
 Ion Ratio Lower Upper
 330 100
 332 98.1 76.9 115.3
 141 33.8 26.7 40.1



#45
 2-Fluorobiphenyl
 Concen: 59.373 ng
 RT: 9.222 min Scan# 1212
 Delta R.T. -0.012 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

Tgt Ion:172 Resp: 612349
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.4 42.6
 170 23.3 19.0 28.6

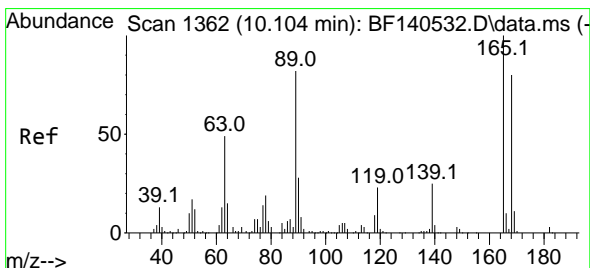
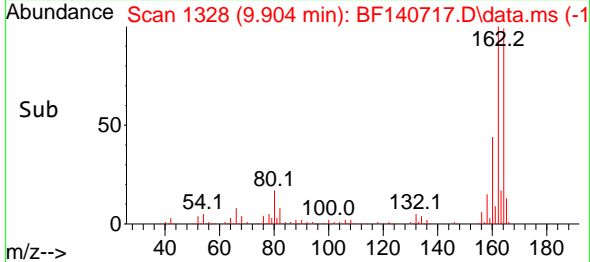
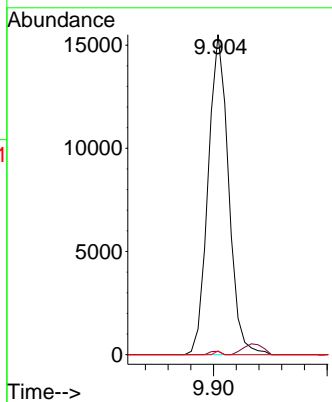
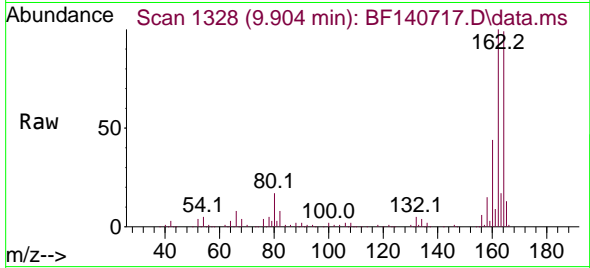




#51
 2,6-Dinitrotoluene
 Concen: 8.425 ng
 RT: 9.904 min Scan# 1328
 Delta R.T. 0.206 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

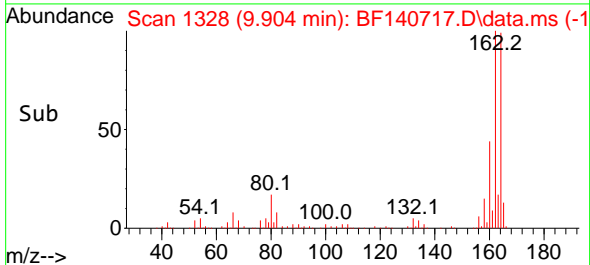
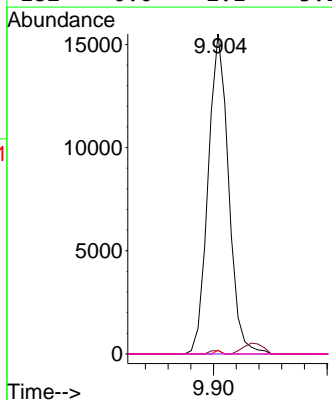
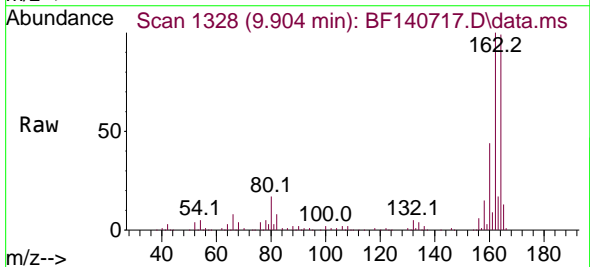
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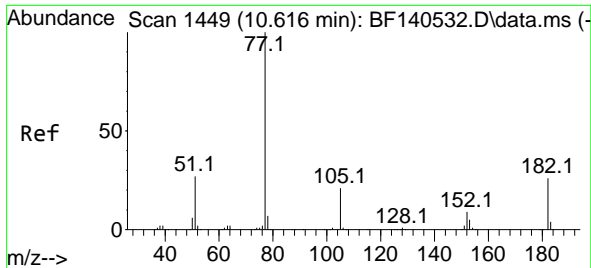
Tgt Ion	Resp	Lower	Upper
165	19338		
63	100	49.9	74.9#
89	100	50.9	76.3#



#57
 2,4-Dinitrotoluene
 Concen: 6.339 ng
 RT: 9.904 min Scan# 1328
 Delta R.T. -0.200 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

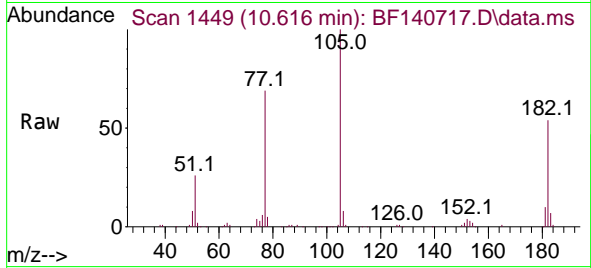
Tgt Ion	Resp	Lower	Upper
165	19338		
63	100	41.7	62.5#
89	100	65.8	98.8#
182	0.0	2.1	3.1#



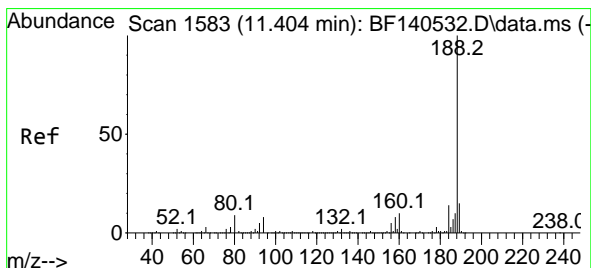
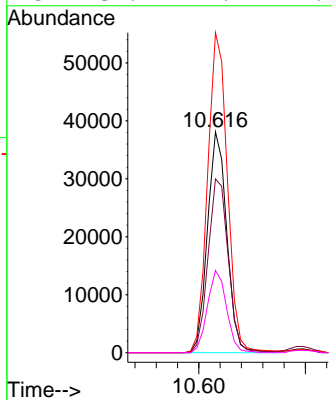
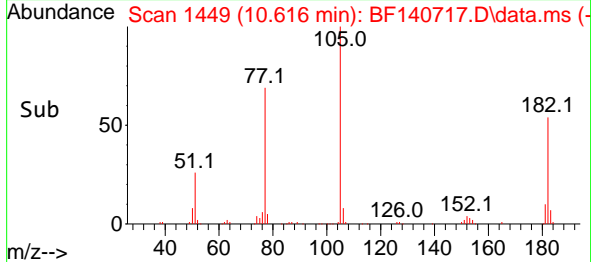


#63
 Azobenzene
 Concen: 4.944 ng
 RT: 10.616 min Scan# 1449
 Delta R.T. -0.000 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

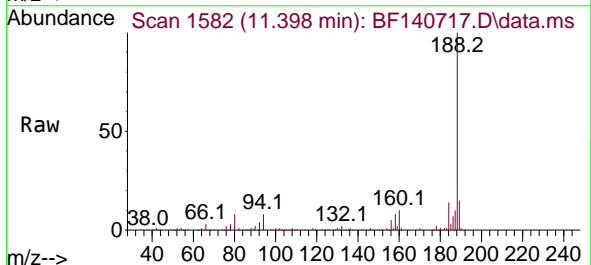
Instrument : BNA_F
 ClientSampleId : OR-640-COMP-50



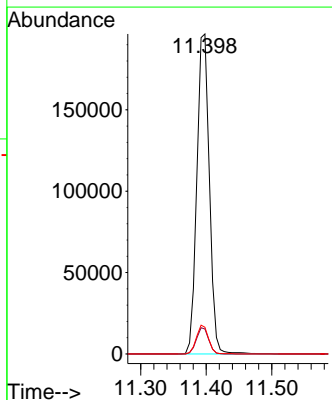
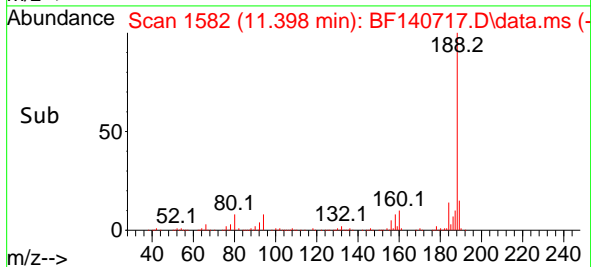
Tgt Ion: 77 Resp: 48143
 Ion Ratio Lower Upper
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 182 78.7 5.3 45.3#
 105 144.9 0.3 40.3#
 51 37.2 9.4 49.4

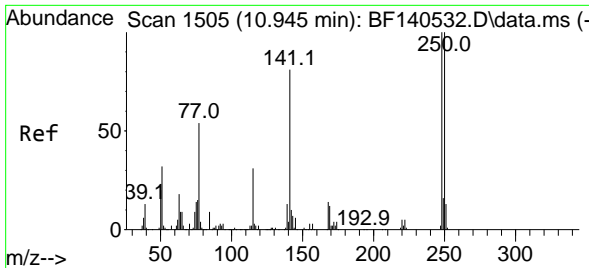


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.398 min Scan# 1582
 Delta R.T. -0.006 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00



Tgt Ion: 188 Resp: 261474
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.4 9.6
 80 8.3 6.9 10.3

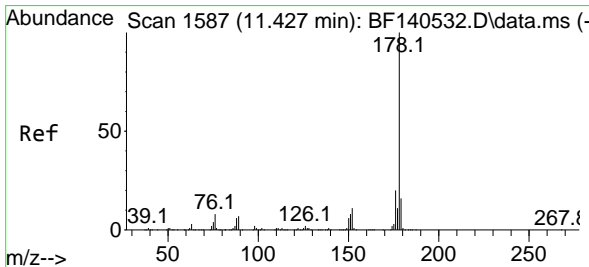
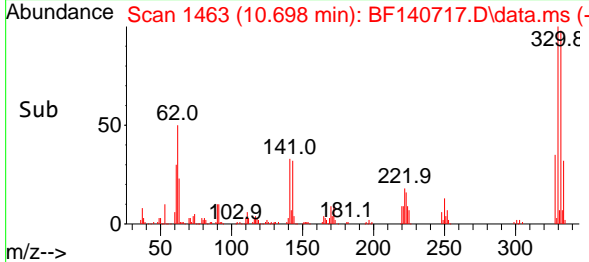
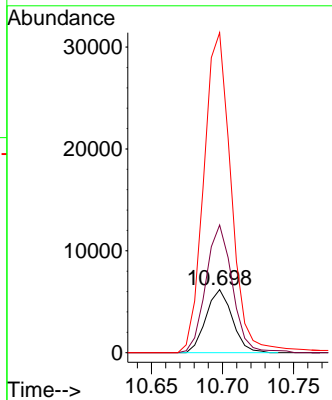
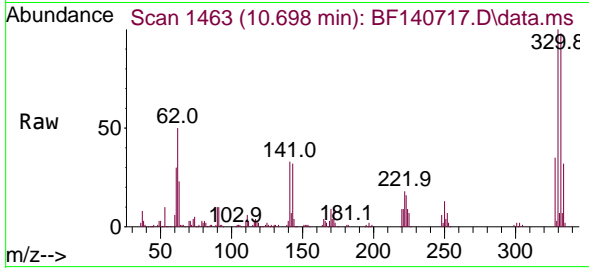




#67
 4-Bromophenyl-phenylether
 Concen: 2.953 ng
 RT: 10.698 min Scan# 14
 Delta R.T. -0.247 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

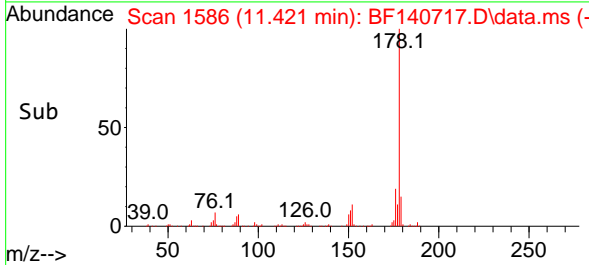
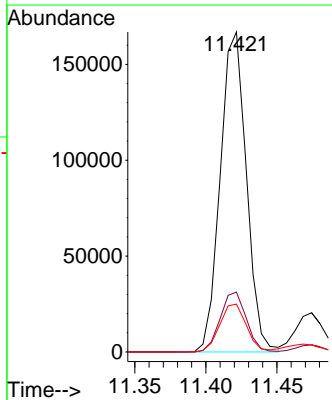
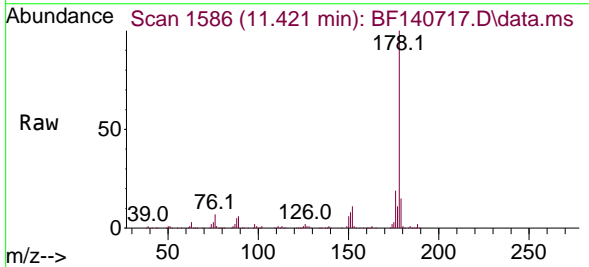
Instrument :
 BNA_F
 ClientSampleId :
 OR-640-COMP-50

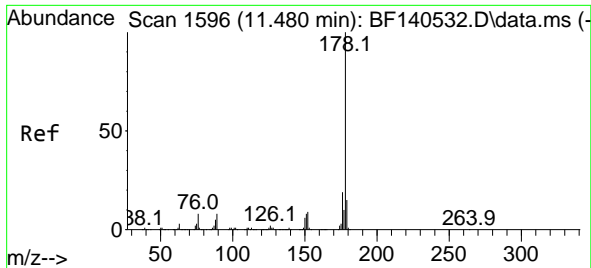
Tgt Ion:248 Resp: 7953
 Ion Ratio Lower Upper
 248 100
 250 202.6 79.8 119.8#
 141 507.8 64.7 97.1#



#71
 Phenanthrene
 Concen: 16.994 ng
 RT: 11.421 min Scan# 1586
 Delta R.T. -0.006 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

Tgt Ion:178 Resp: 213594
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.6
 179 15.0 12.4 18.6



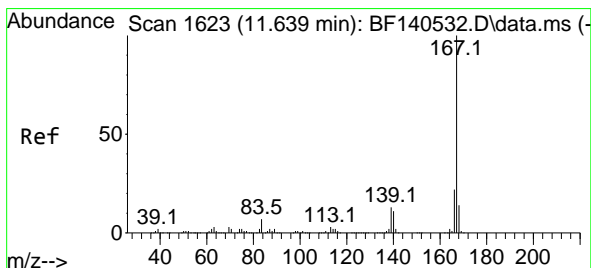
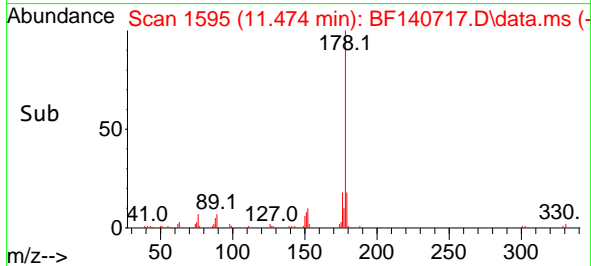
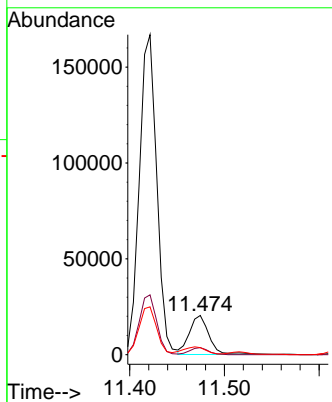
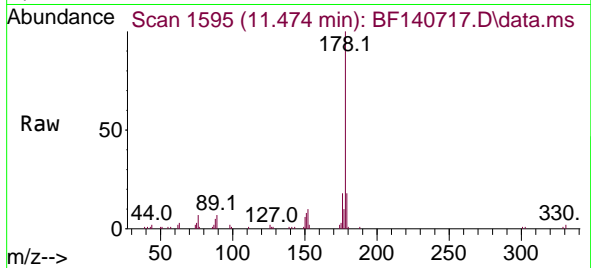


#72
 Anthracene
 Concen: 2.380 ng
 RT: 11.474 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OR-640-COMP-50

Tgt Ion:178 Resp: 29262

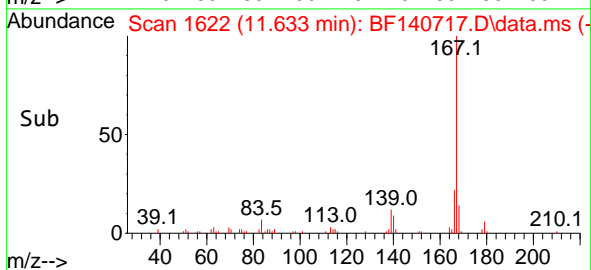
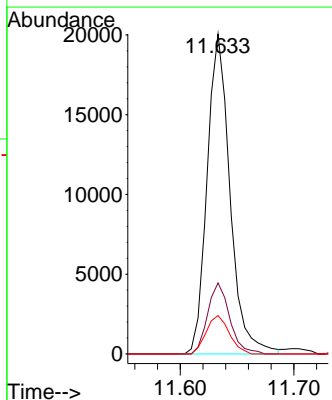
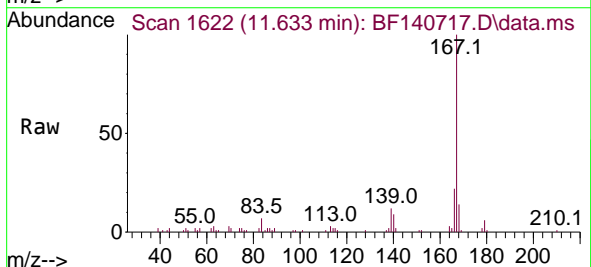
Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.4
179	17.8	12.2	18.4

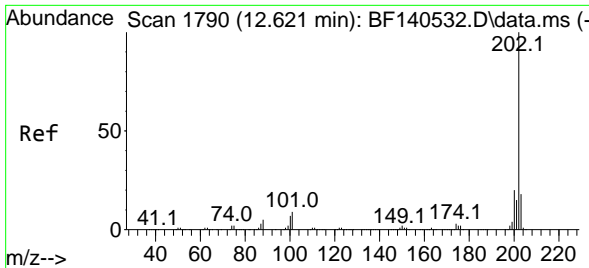


#73
 Carbazole
 Concen: 2.377 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

Tgt Ion:167 Resp: 28117

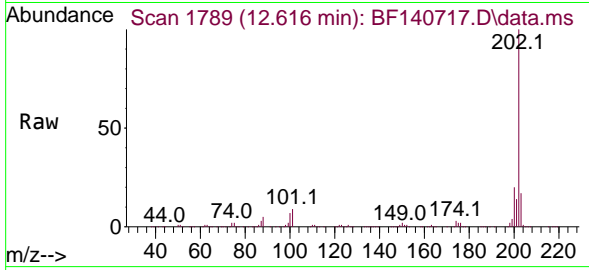
Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.2	25.8
139	12.0	10.6	15.8



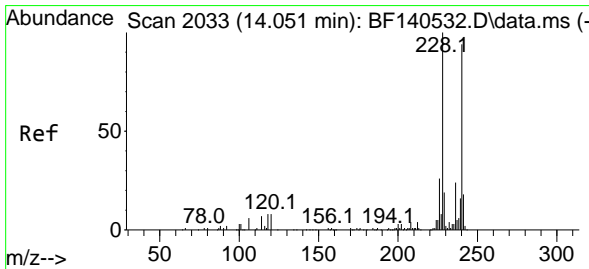
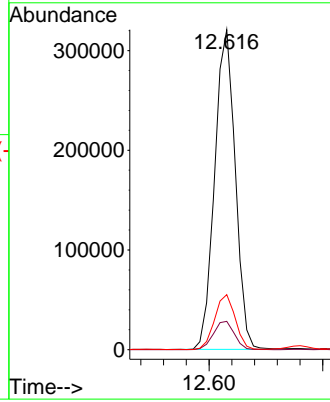
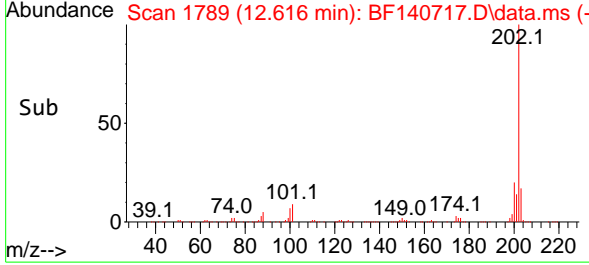


#75
 Fluoranthene
 Concen: 29.598 ng
 RT: 12.616 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

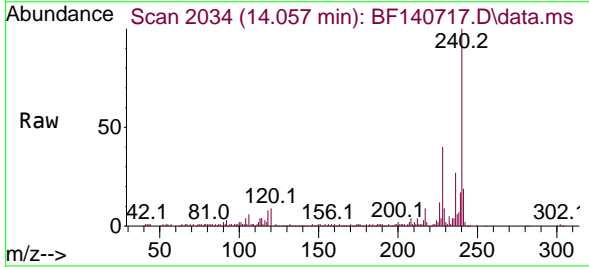
Instrument :
 BNA_F
 ClientSampleId :
 OR-640-COMP-50



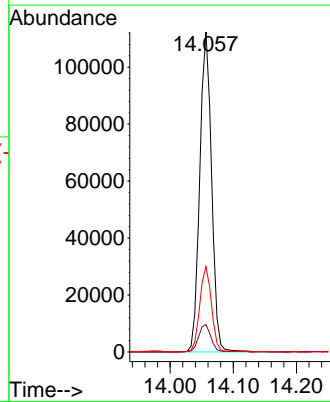
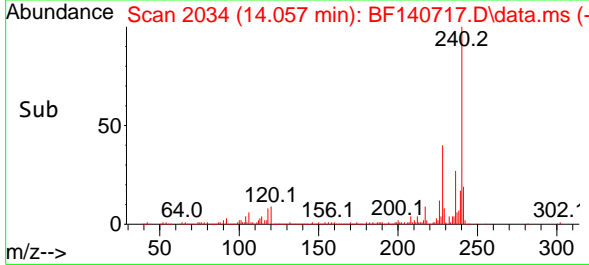
Tgt Ion:202 Resp: 403907
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 28.9
 203 17.2 0.0 37.6

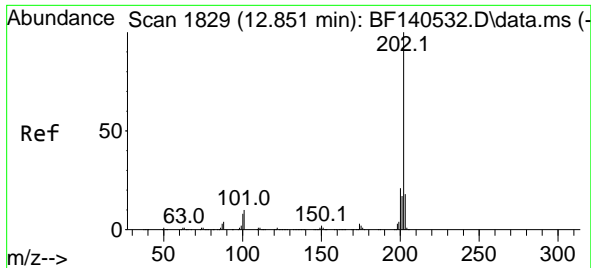


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.057 min Scan# 2034
 Delta R.T. 0.006 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00



Tgt Ion:240 Resp: 145739
 Ion Ratio Lower Upper
 240 100
 120 8.5 7.3 10.9
 236 26.6 20.6 31.0



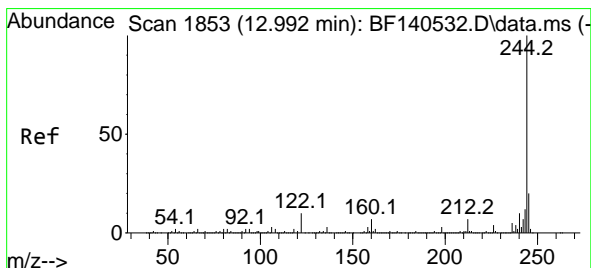
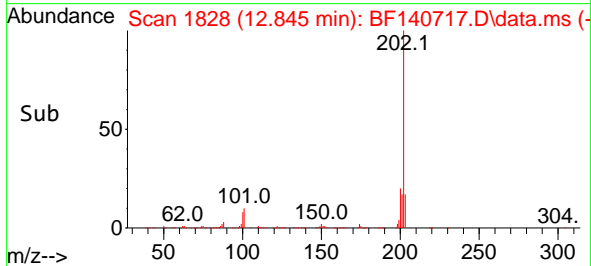
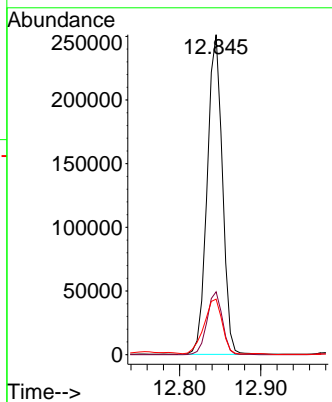
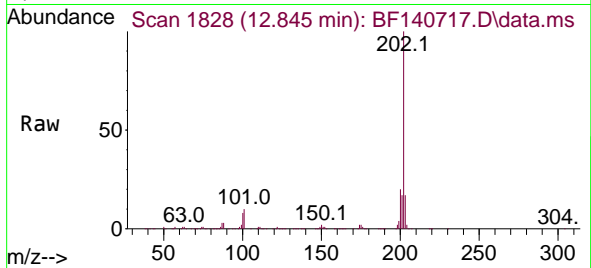


#78
 Pyrene
 Concen: 24.122 ng
 RT: 12.845 min Scan# 1828
 Delta R.T. -0.006 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OR-640-COMP-50

Tgt Ion:202 Resp: 325054

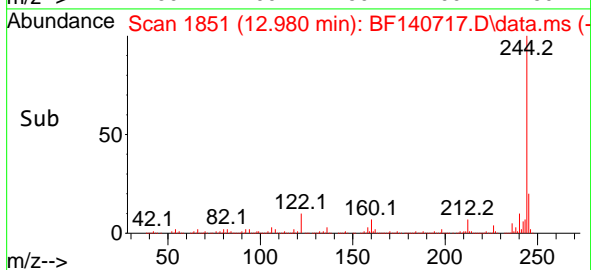
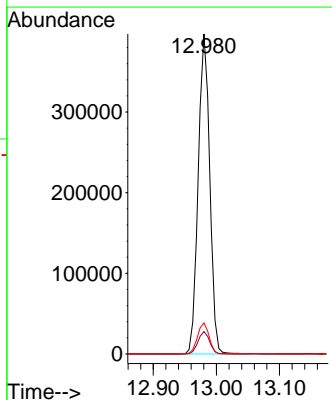
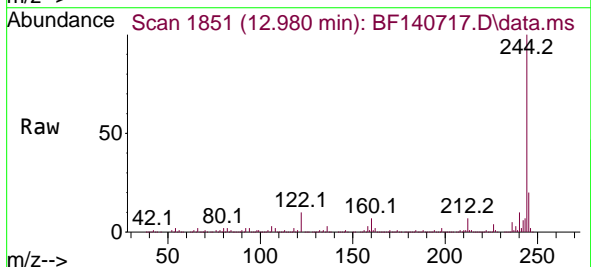
Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.5	24.7
203	17.4	14.2	21.4

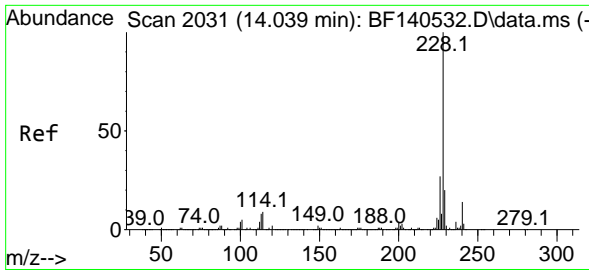


#79
 Terphenyl-d14
 Concen: 53.790 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

Tgt Ion:244 Resp: 503447

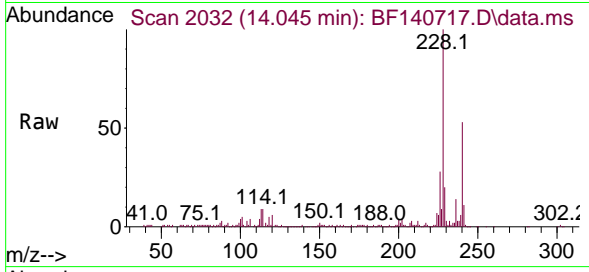
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	9.7	8.0	12.0



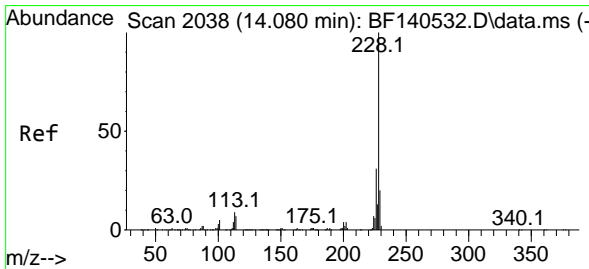
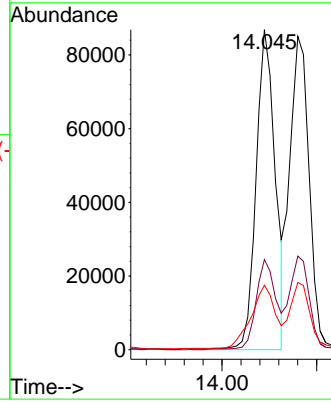
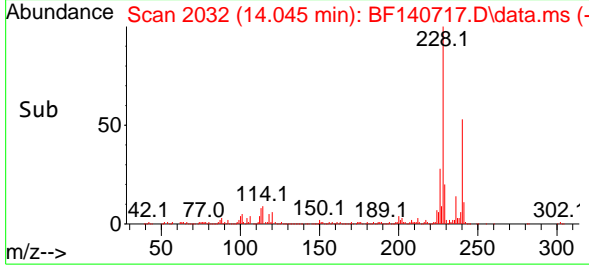


#81
 Benzo(a)anthracene
 Concen: 12.653 ng
 RT: 14.045 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

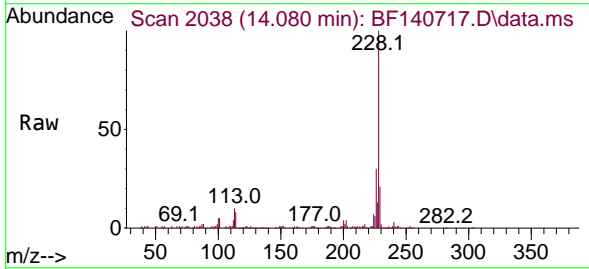
Instrument :
 BNA_F
 ClientSampleId :
 OR-640-COMP-50



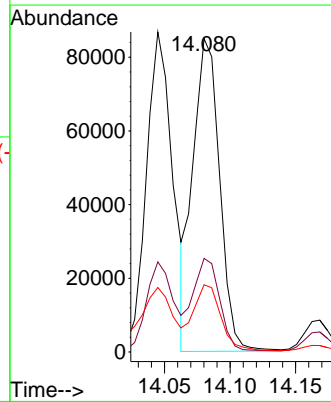
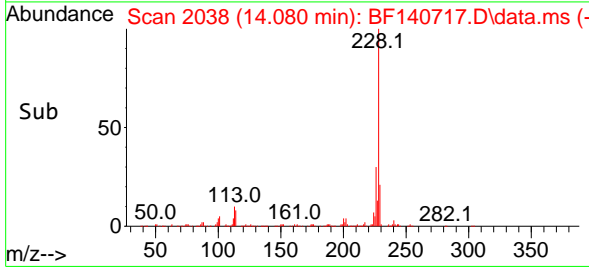
Tgt Ion:228 Resp: 122063
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.8 32.8
 229 20.1 15.8 23.6

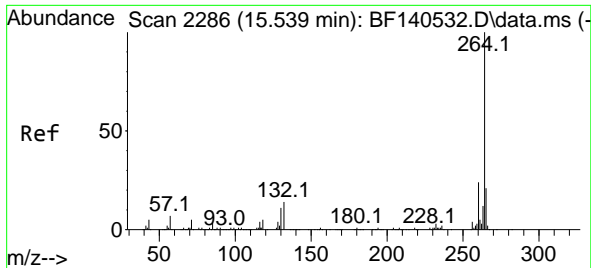


#83
 Chrysene
 Concen: 13.641 ng
 RT: 14.080 min Scan# 2038
 Delta R.T. -0.000 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00



Tgt Ion:228 Resp: 120330
 Ion Ratio Lower Upper
 228 100
 226 29.9 24.4 36.6
 229 21.4 15.8 23.6



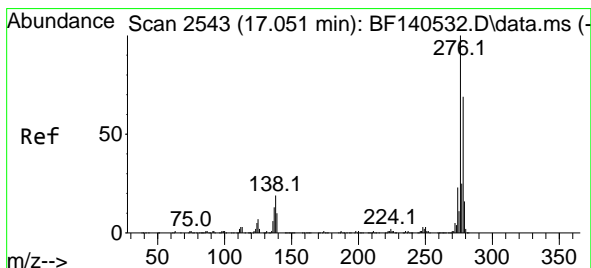
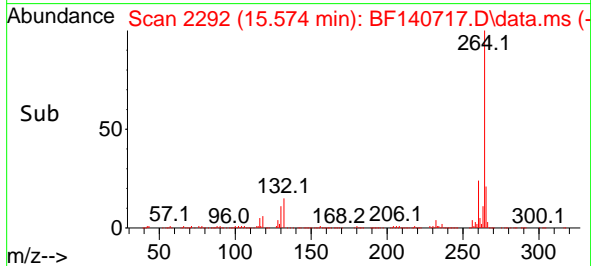
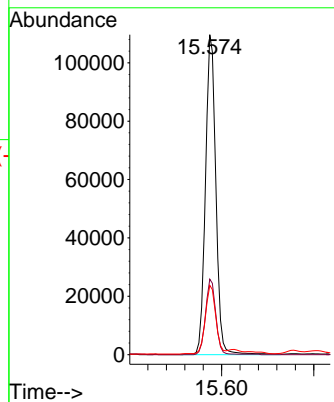
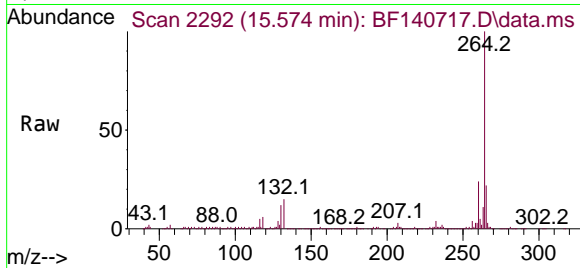


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.574 min Scan# 21
 Delta R.T. 0.035 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OR-640-COMP-50

Tgt Ion: 264 Resp: 172979

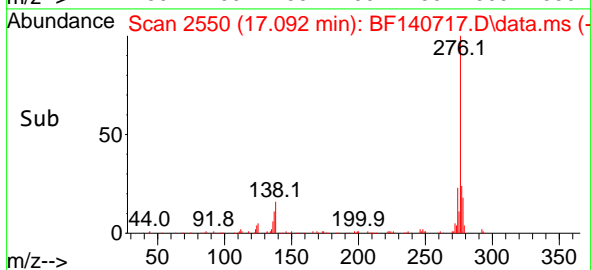
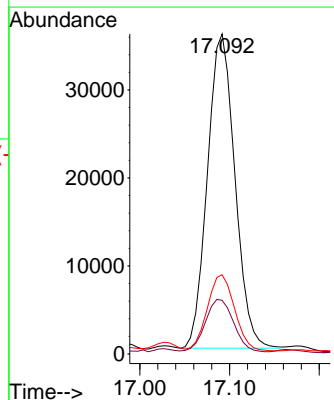
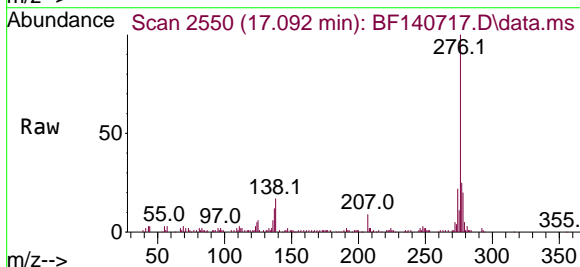
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	21.7	16.6	25.0

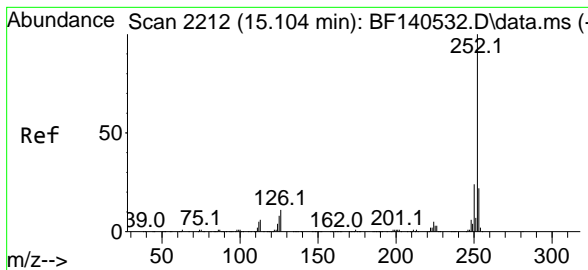


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.741 ng
 RT: 17.092 min Scan# 2550
 Delta R.T. 0.041 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

Tgt Ion: 276 Resp: 75992

Ion	Ratio	Lower	Upper
276	100		
138	18.1	15.5	23.3
277	24.1	20.1	30.1



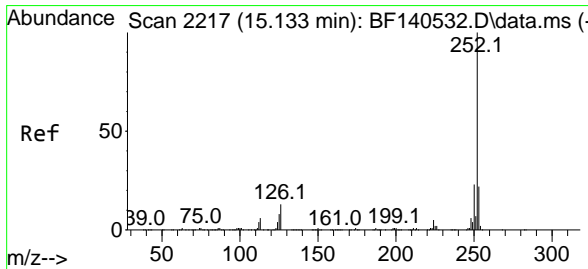
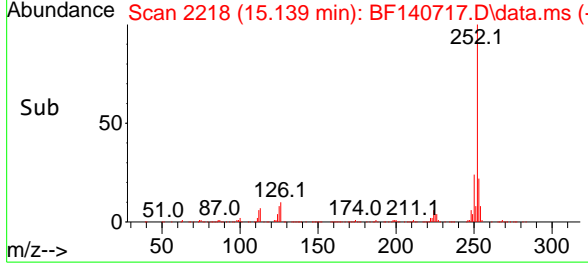
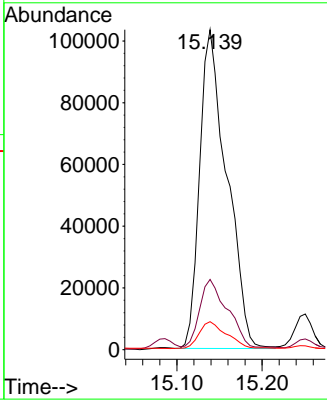
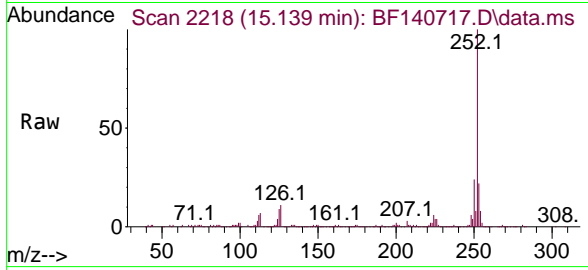


#88
 Benzo(b)fluoranthene
 Concen: 21.052 ng
 RT: 15.139 min Scan# 2218
 Delta R.T. 0.035 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OR-640-COMP-50

Tgt Ion:252 Resp: 228736

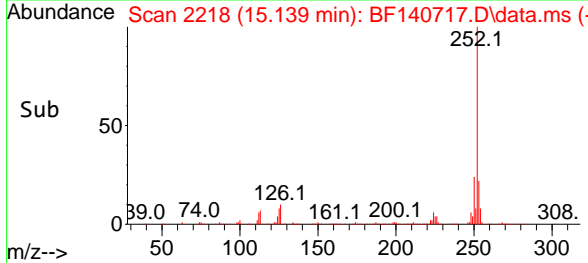
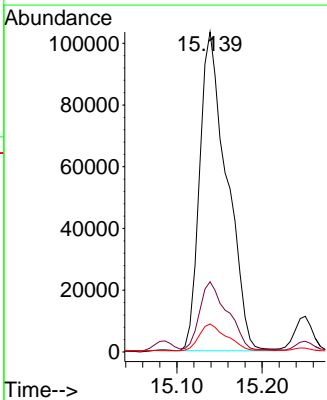
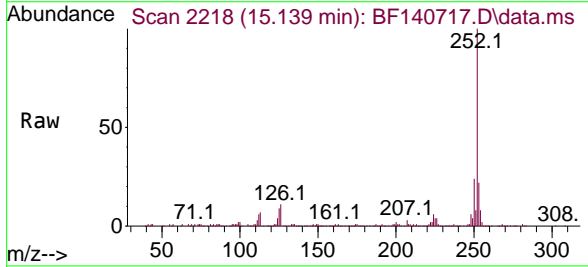
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	8.8	6.7	10.1

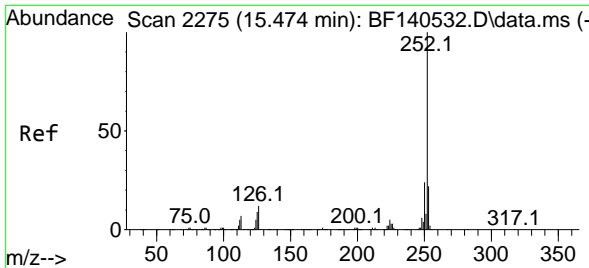


#89
 Benzo(k)fluoranthene
 Concen: 24.058 ng
 RT: 15.139 min Scan# 2218
 Delta R.T. 0.006 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

Tgt Ion:252 Resp: 228736

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	8.8	6.5	9.7



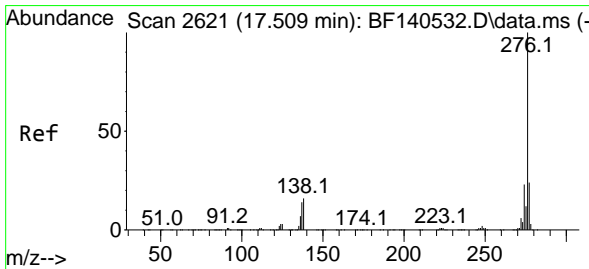
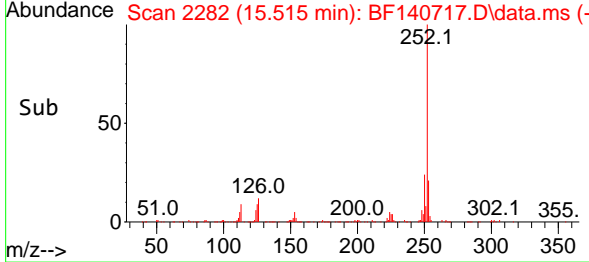
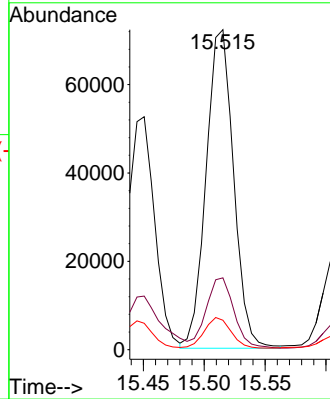
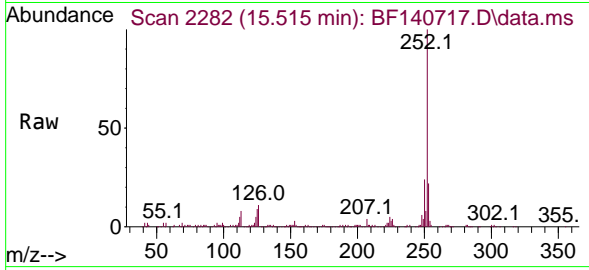


#90
 Benzo(a)pyrene
 Concen: 12.837 ng
 RT: 15.515 min Scan# 21
 Delta R.T. 0.041 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OR-640-COMP-50

Tgt Ion:252 Resp: 113403

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	9.2	7.0	10.6



#92
 Benzo(g,h,i)perylene
 Concen: 7.590 ng
 RT: 17.550 min Scan# 2628
 Delta R.T. 0.041 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

Tgt Ion:276 Resp: 71502

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.9	28.3
138	17.7	13.2	19.8

