

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
 Data File : BF139390.D
 Acq On : 16 Sep 2024 20:44
 Operator : RC/JU
 Sample : P3979-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-091224

Quant Time: Sep 17 01:39:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

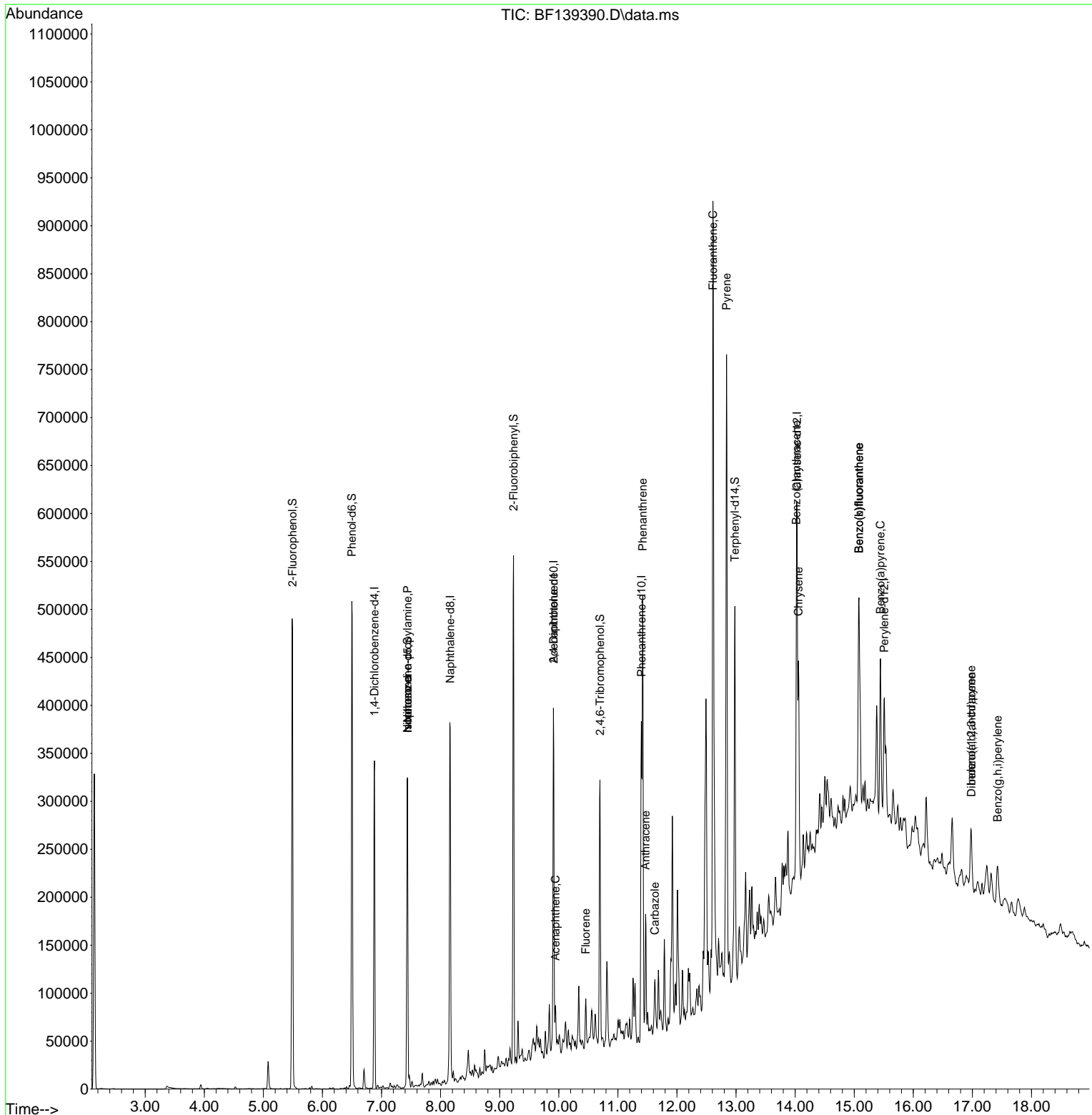
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	65717	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	214184	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	96544	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	164012	20.000	ng	0.00
76) Chrysene-d12	14.033	240	83667	20.000	ng	0.00
86) Perylene-d12	15.509	264	75424	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	157038	38.983	ng	0.00
7) Phenol-d6	6.498	99	201320	38.074	ng	0.00
23) Nitrobenzene-d5	7.439	82	131426	28.847	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	36299	35.316	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	215337	31.283	ng	0.00
79) Terphenyl-d14	12.980	244	167223	32.806	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	18689	5.965	ng	# 77
25) Isophorone	7.439	82	130356	18.092	ng	# 67
52) Acenaphthene	9.945	154	13463	2.308	ng	98
57) 2,4-Dinitrotoluene	9.910	165	13197	6.963	ng	# 17
58) Fluorene	10.457	166	17678	2.664	ng	97
71) Phenanthrene	11.421	178	224738	28.401	ng	100
72) Anthracene	11.469	178	72922	9.426	ng	98
73) Carbazole	11.627	167	26452	3.572	ng	# 95
75) Fluoranthene	12.610	202	425909	50.402	ng	99
78) Pyrene	12.839	202	374036	52.066	ng	98
81) Benzo(a)anthracene	14.021	228	141666	25.562	ng	95
83) Chrysene	14.057	228	120296	23.593	ng	96
87) Indeno(1,2,3-cd)pyrene	16.980	276	47604	10.614	ng	96
88) Benzo(b)fluoranthene	15.080	252	183720	39.496	ng	# 96
89) Benzo(k)fluoranthene	15.080	252	183720	42.836	ng	# 95
90) Benzo(a)pyrene	15.445	252	95637	24.790	ng	# 94
91) Dibenzo(a,h)anthracene	16.986	278	11749	3.170	ng	# 66
92) Benzo(g,h,i)perylene	17.427	276	48658	13.260	ng	98

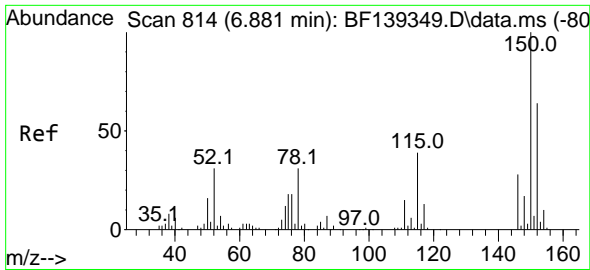
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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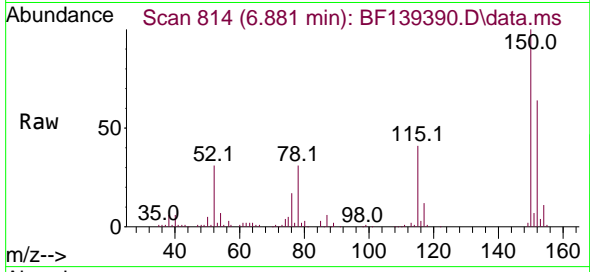
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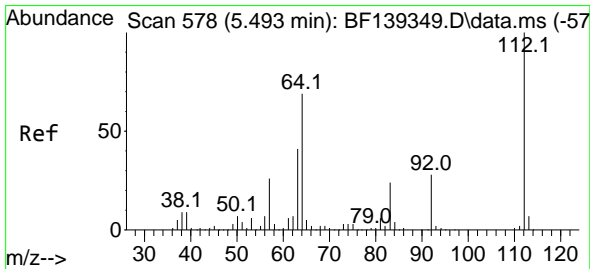
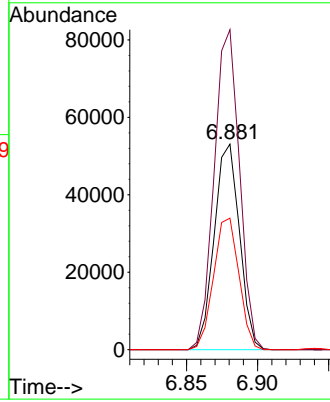
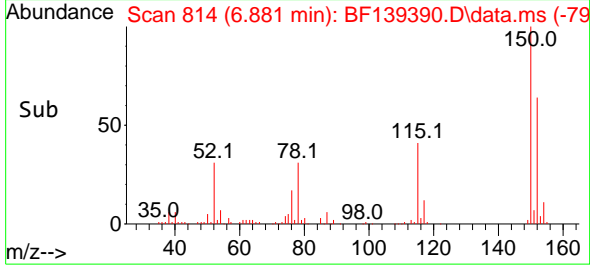


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

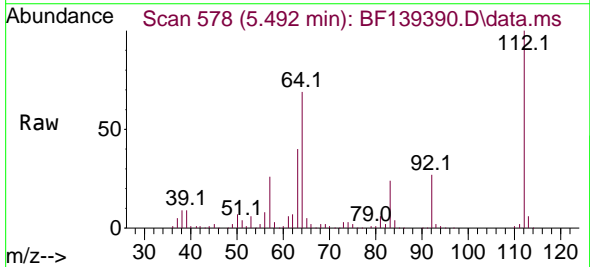
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-091224



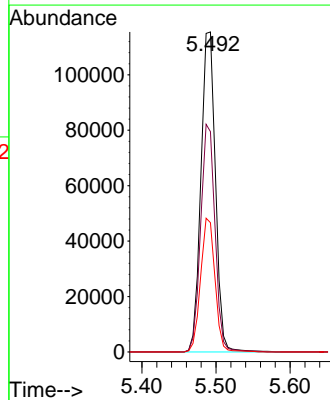
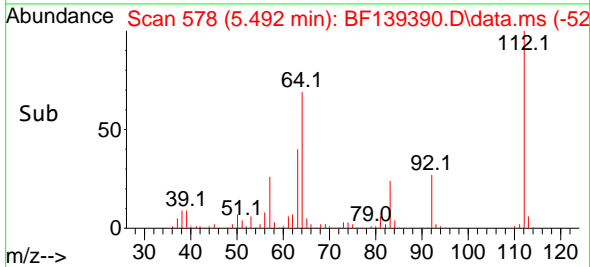
Tgt Ion:152 Resp: 65717
 Ion Ratio Lower Upper
 152 100
 150 155.6 124.1 186.1
 115 63.9 48.1 72.1

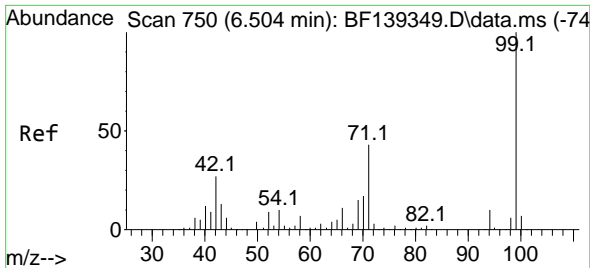


#5
 2-Fluorophenol
 Concen: 38.983 ng
 RT: 5.492 min Scan# 578
 Delta R.T. -0.001 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44



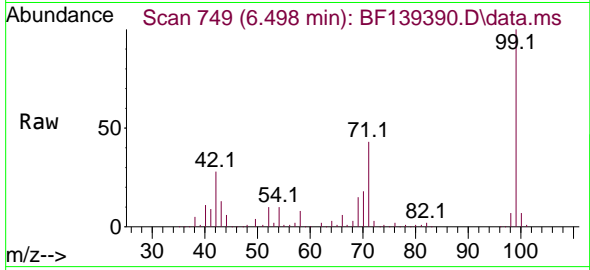
Tgt Ion:112 Resp: 157038
 Ion Ratio Lower Upper
 112 100
 64 68.9 54.8 82.2
 63 40.4 33.0 49.4



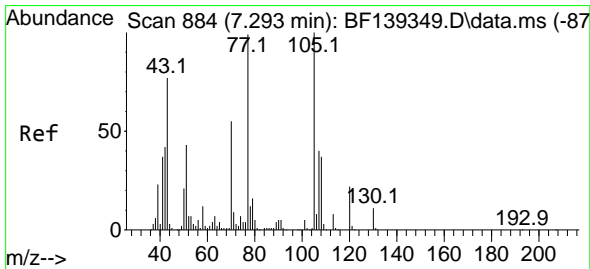
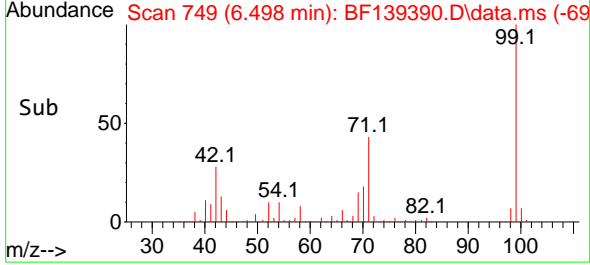
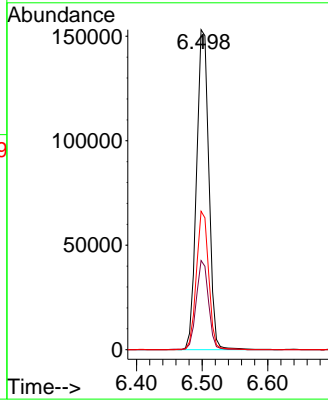


#7
 Phenol-d6
 Concen: 38.074 ng
 RT: 6.498 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-091224

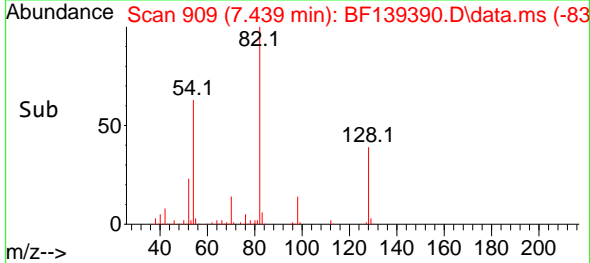
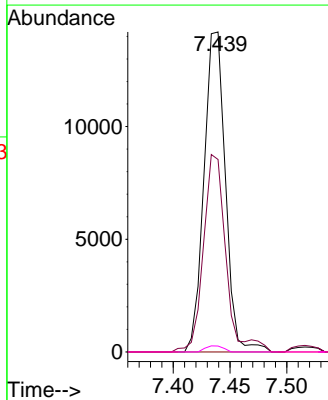
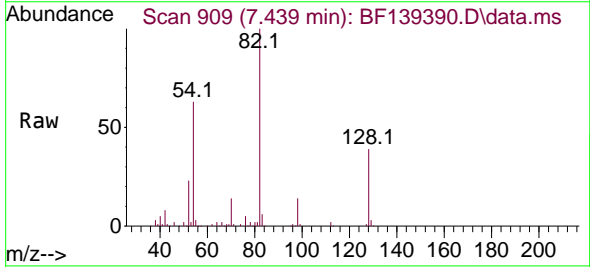


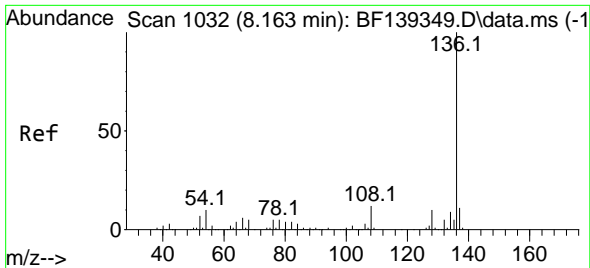
Tgt Ion: 99 Resp: 201320
 Ion Ratio Lower Upper
 99 100
 42 27.8 21.9 32.9
 71 43.2 34.6 52.0



#19
 n-Nitroso-di-n-propylamine
 Concen: 5.965 ng
 RT: 7.439 min Scan# 909
 Delta R.T. 0.147 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

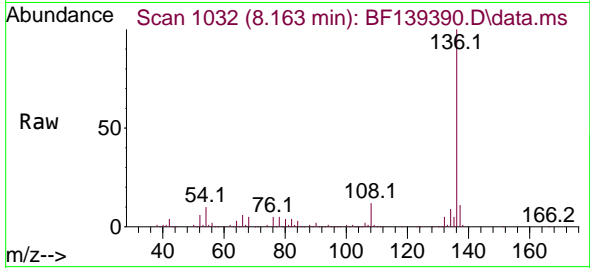
Tgt Ion: 70 Resp: 18689
 Ion Ratio Lower Upper
 70 100
 42 60.1 61.2 91.8#
 101 0.0 7.5 11.3#
 130 1.9 15.8 23.8#





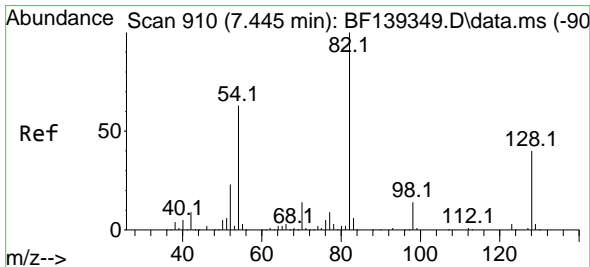
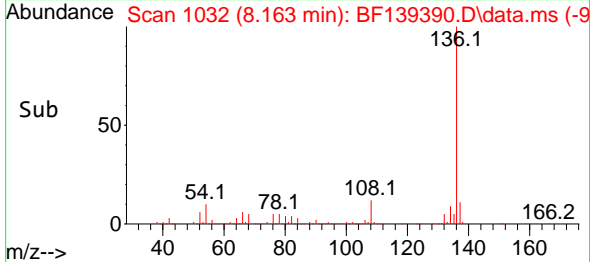
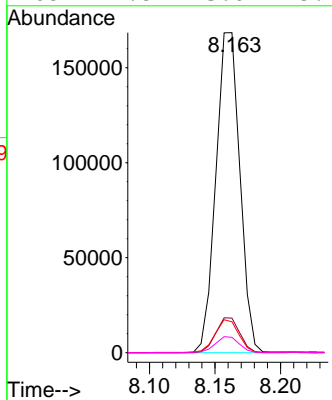
#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.163 min Scan# 10
 Delta R.T. -0.000 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-091224



Tgt Ion: 136 Resp: 214184

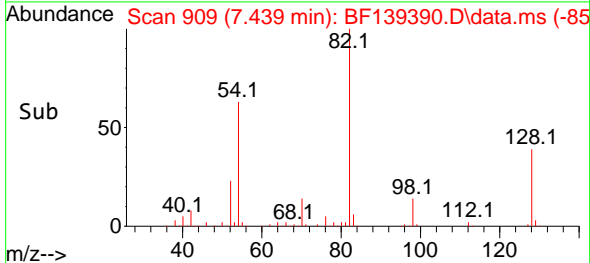
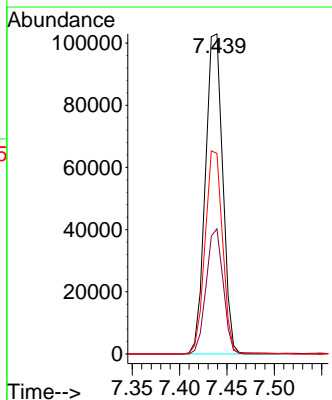
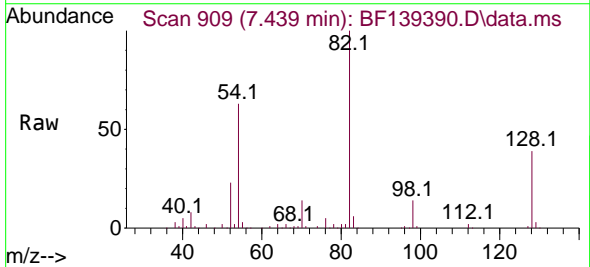
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	9.6	7.8	11.8
68	4.8	3.6	5.4

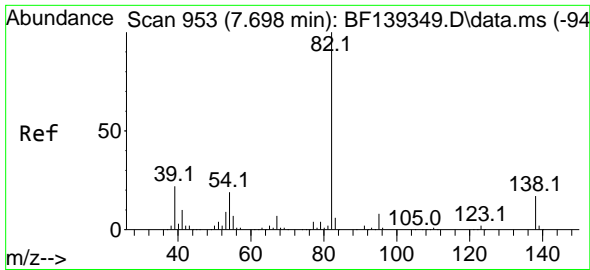


#23
 Nitrobenzene-d5
 Concen: 28.847 ng
 RT: 7.439 min Scan# 909
 Delta R.T. -0.006 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

Tgt Ion: 82 Resp: 131426

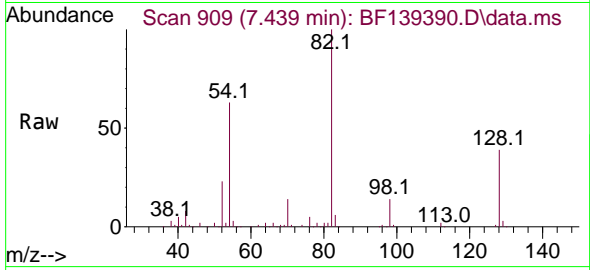
Ion	Ratio	Lower	Upper
82	100		
128	39.1	31.8	47.6
54	62.7	50.6	75.8



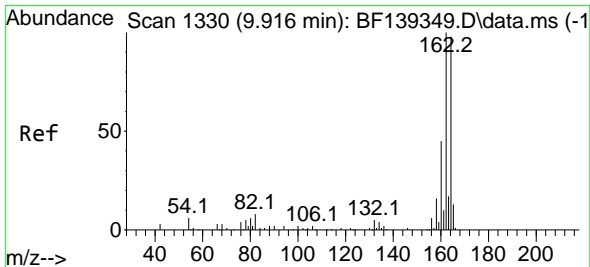
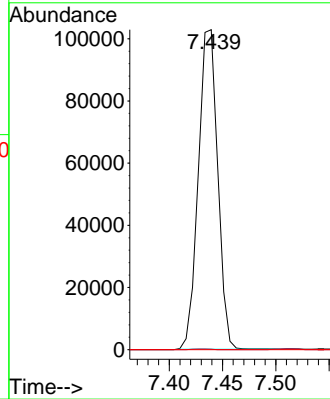
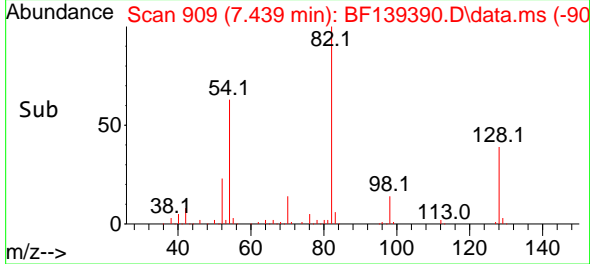


#25
 Isophorone
 Concen: 18.092 ng
 RT: 7.439 min Scan# 909
 Delta R.T. -0.259 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

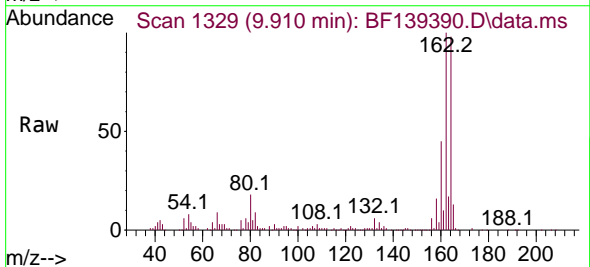
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-091224



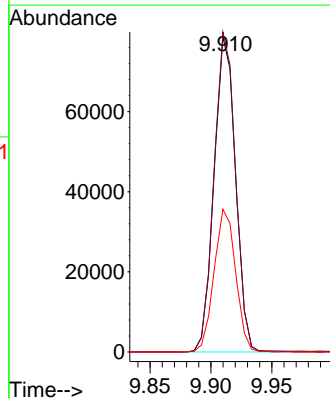
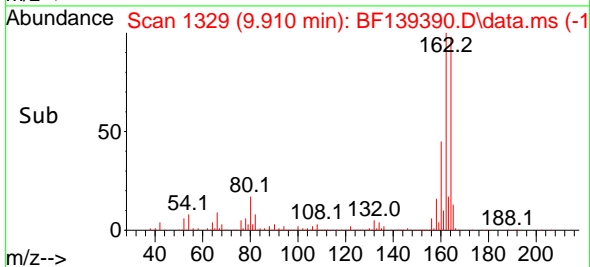
Tgt Ion: 82 Resp: 130356
 Ion Ratio Lower Upper
 82 100
 95 0.2 6.7 10.1#
 138 0.0 13.3 19.9#

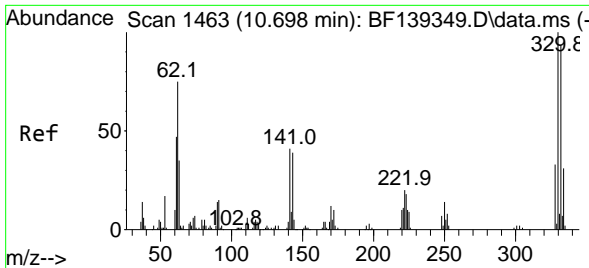


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.910 min Scan# 1329
 Delta R.T. -0.006 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44



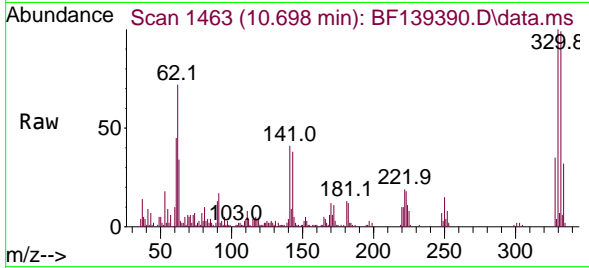
Tgt Ion: 164 Resp: 96544
 Ion Ratio Lower Upper
 164 100
 162 101.6 81.3 121.9
 160 45.3 36.4 54.6



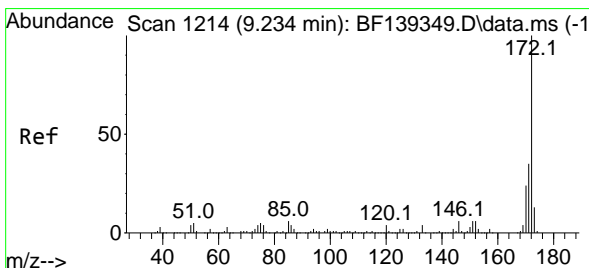
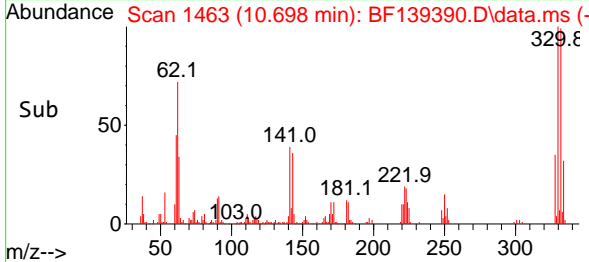
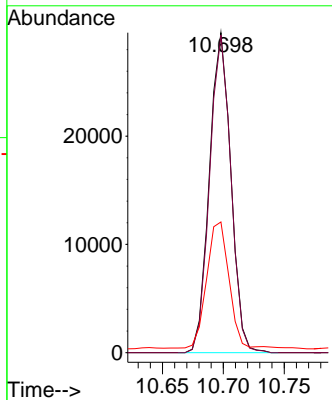


#42
 2,4,6-Tribromophenol
 Concen: 35.316 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.000 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-091224

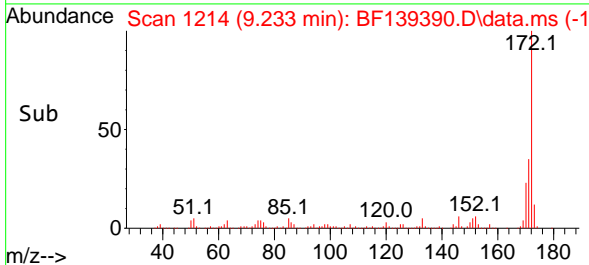
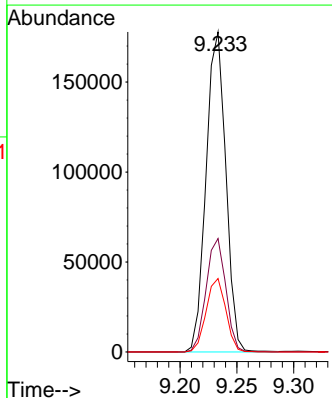
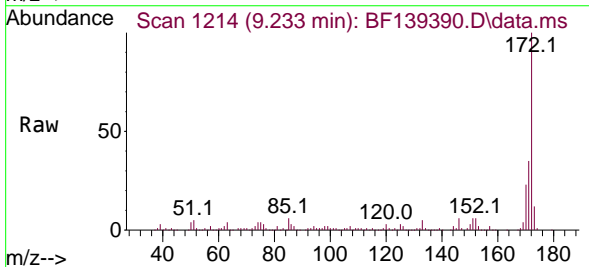


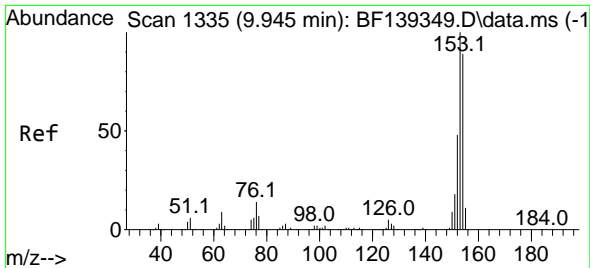
Tgt Ion:330 Resp: 36299
 Ion Ratio Lower Upper
 330 100
 332 97.9 75.2 112.8
 141 42.1 31.2 46.8



#45
 2-Fluorobiphenyl
 Concen: 31.283 ng
 RT: 9.233 min Scan# 1214
 Delta R.T. -0.000 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

Tgt Ion:172 Resp: 215337
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.3 42.5
 170 22.9 19.0 28.6



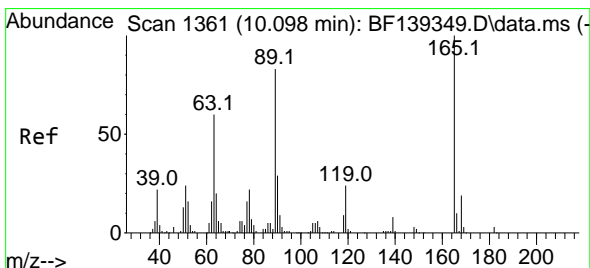
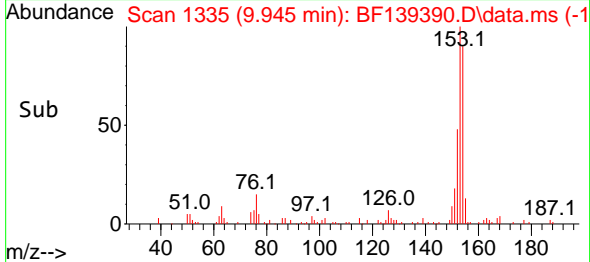
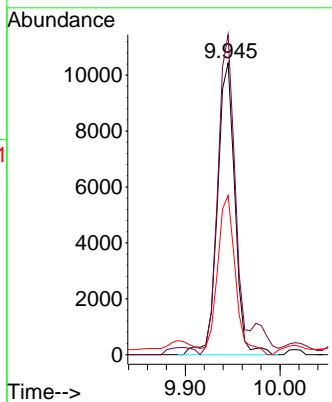
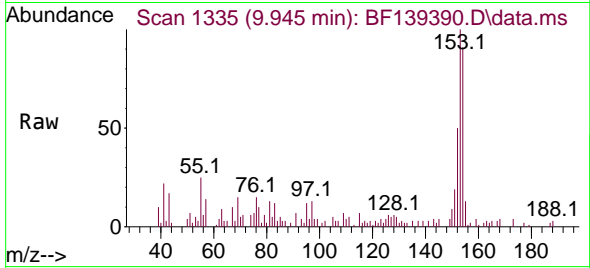


#52
 Acenaphthene
 Concen: 2.308 ng
 RT: 9.945 min Scan# 1335
 Delta R.T. -0.000 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

Instrument : BNA_F
 ClientSampleId : EO-03-091224

Tgt Ion:154 Resp: 13463

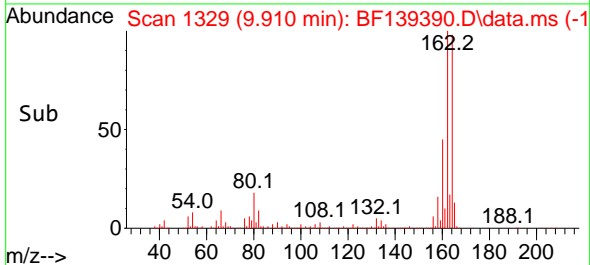
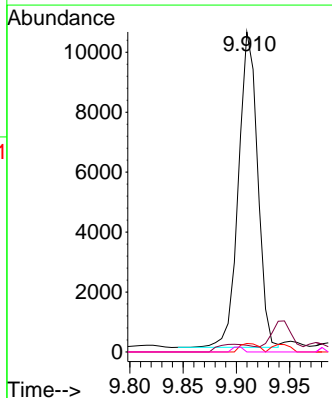
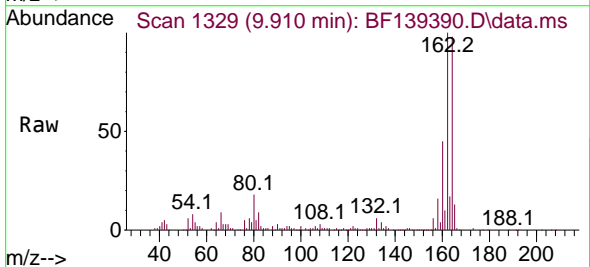
Ion	Ratio	Lower	Upper
154	100		
153	109.7	89.5	134.3
152	54.6	42.6	64.0

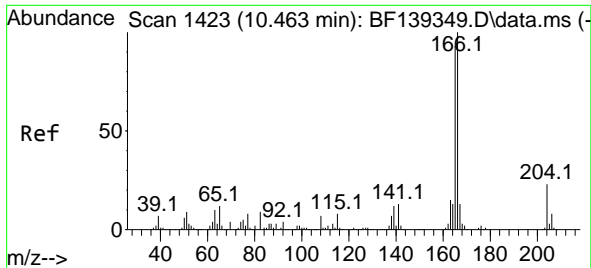


#57
 2,4-Dinitrotoluene
 Concen: 6.963 ng
 RT: 9.910 min Scan# 1329
 Delta R.T. -0.188 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

Tgt Ion:165 Resp: 13197

Ion	Ratio	Lower	Upper
165	100		
63	2.1	47.8	71.6#
89	2.6	66.7	100.1#
182	0.0	2.2	3.4#

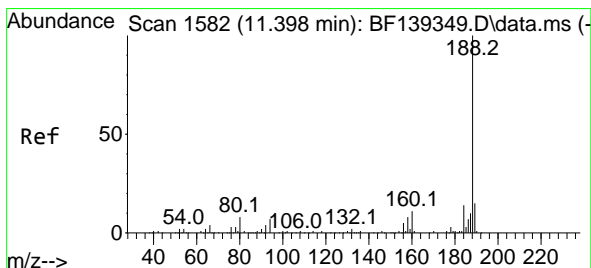
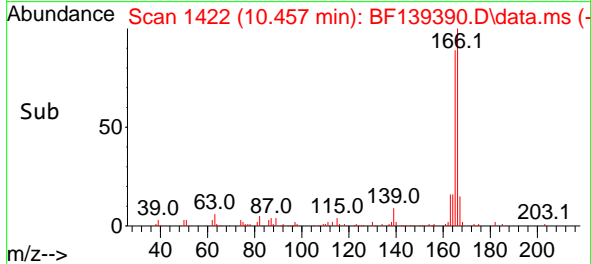
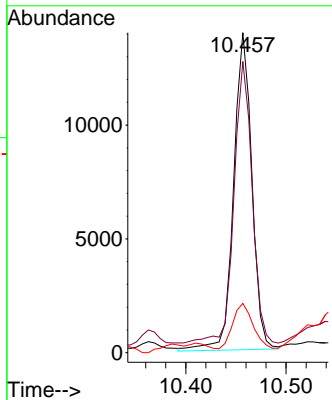
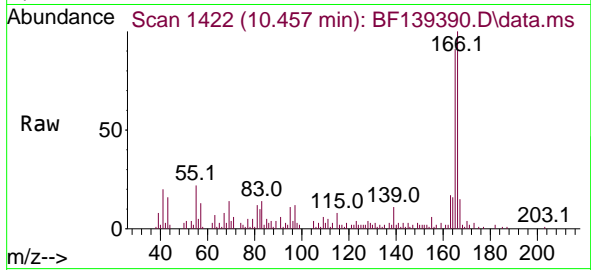




#58
 Fluorene
 Concen: 2.664 ng
 RT: 10.457 min Scan# 14
 Delta R.T. -0.006 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

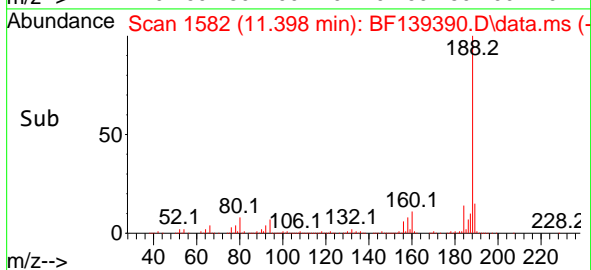
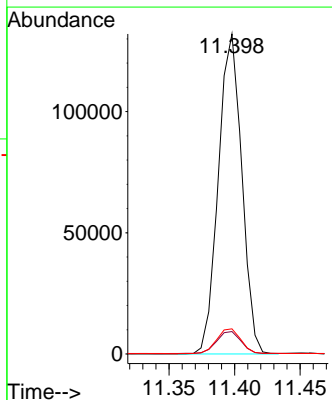
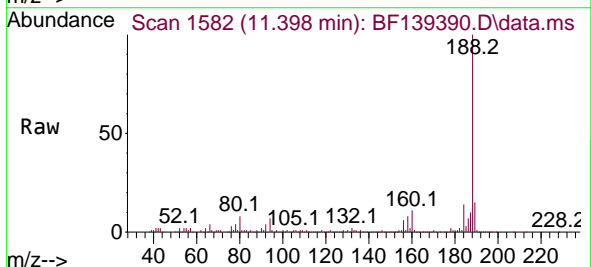
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-091224

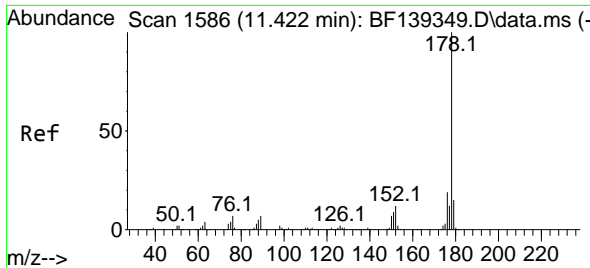
Tgt Ion	Resp	Lower	Upper
166	17678		
165	91.0	74.5	111.7
167	15.4	10.6	16.0



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.398 min Scan# 1582
 Delta R.T. -0.000 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

Tgt Ion	Resp	Lower	Upper
188	164012		
94	7.0	5.5	8.3
80	7.9	6.6	9.8





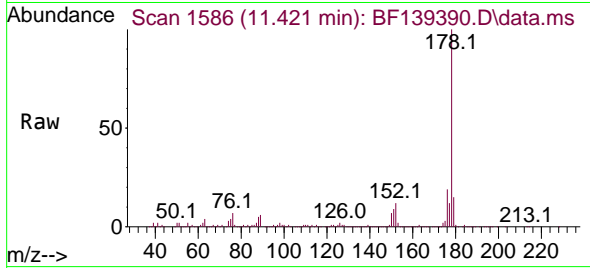
#71
 Phenanthrene
 Concen: 28.401 ng
 RT: 11.421 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

Instrument :

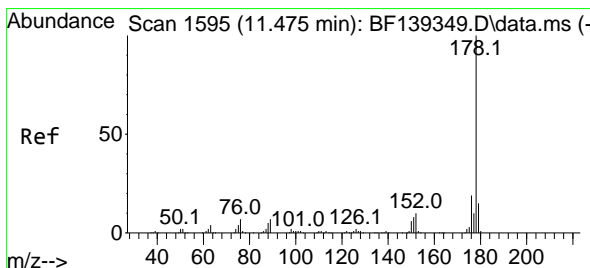
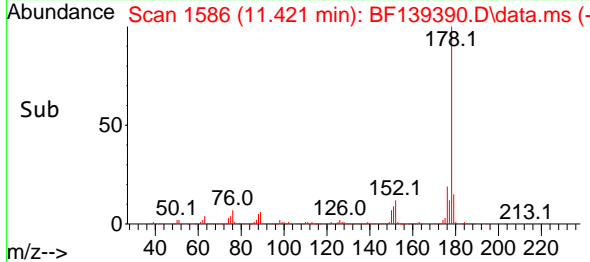
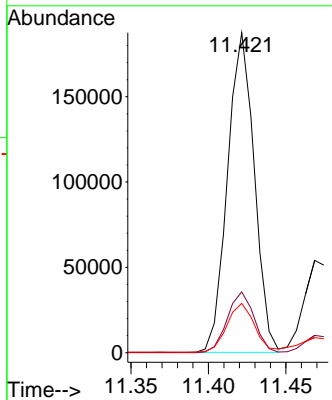
BNA_F

ClientSampleId :

EO-03-091224

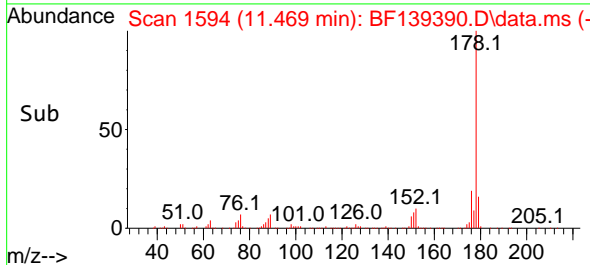
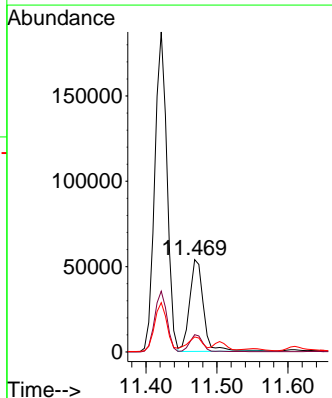
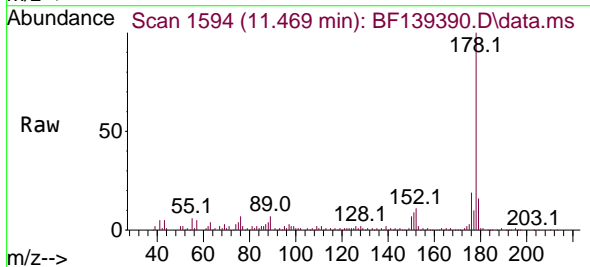


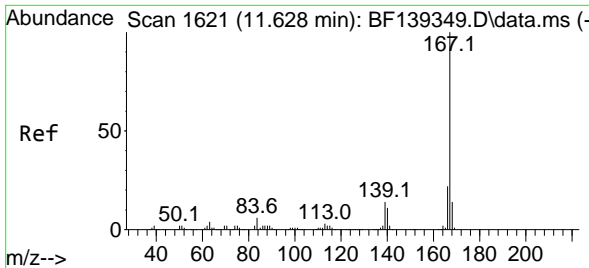
Tgt Ion:178 Resp: 224738
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.2 22.8
 179 15.4 12.2 18.4



#72
 Anthracene
 Concen: 9.426 ng
 RT: 11.469 min Scan# 1594
 Delta R.T. -0.006 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

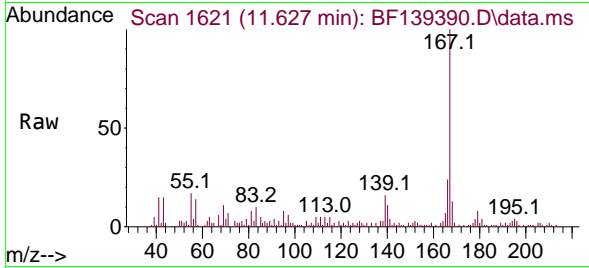
Tgt Ion:178 Resp: 72922
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.0 22.6
 179 16.4 12.0 18.0



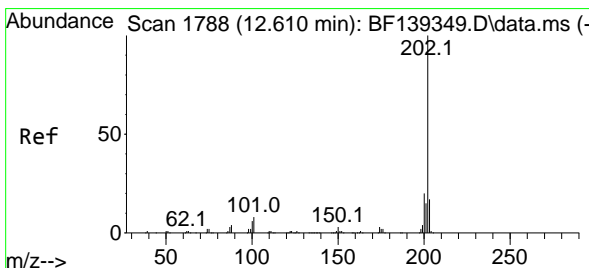
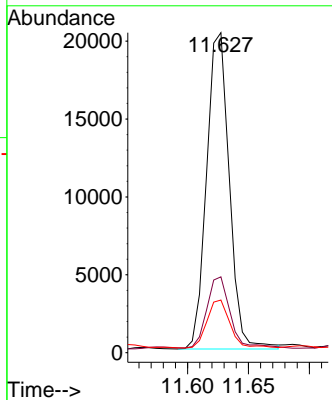
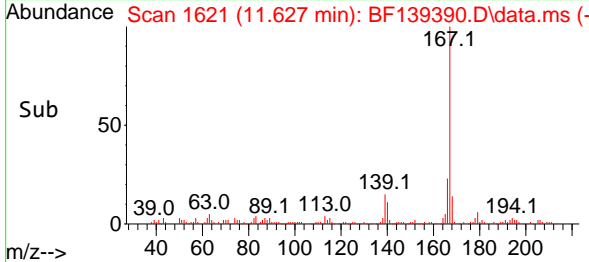


#73
 Carbazole
 Concen: 3.572 ng
 RT: 11.627 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

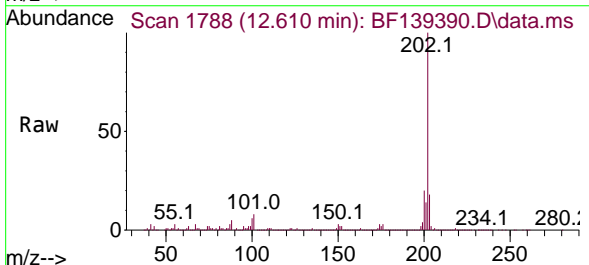
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-091224



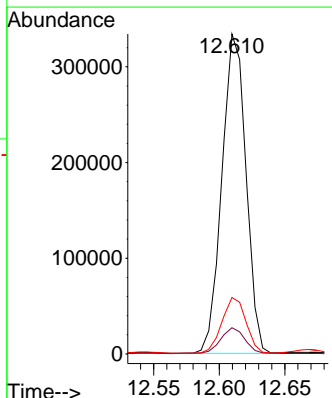
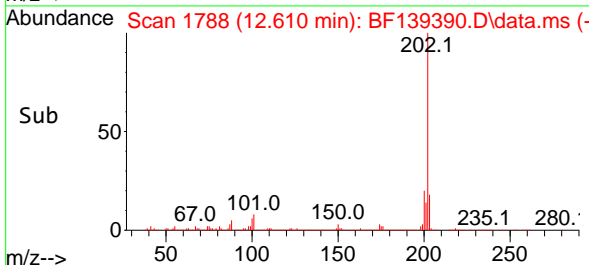
Tgt Ion:167 Resp: 26452
 Ion Ratio Lower Upper
 167 100
 166 23.7 17.5 26.3
 139 16.5 10.9 16.3#

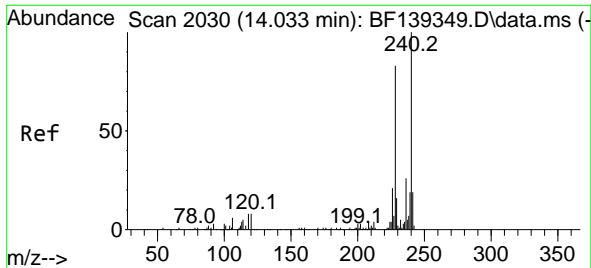


#75
 Fluoranthene
 Concen: 50.402 ng
 RT: 12.610 min Scan# 1788
 Delta R.T. -0.000 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44



Tgt Ion:202 Resp: 425909
 Ion Ratio Lower Upper
 202 100
 101 8.2 0.0 27.7
 203 17.6 0.0 37.4



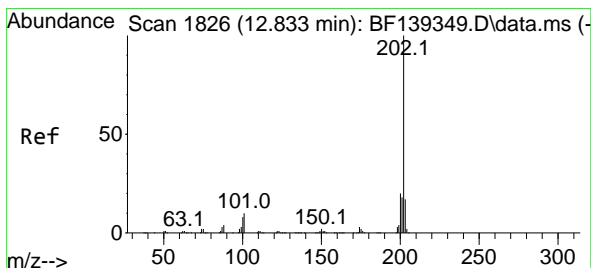
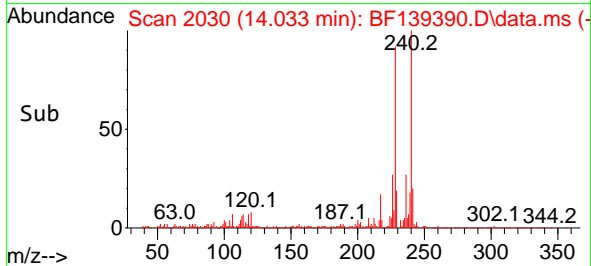
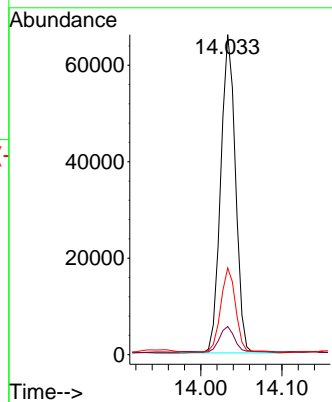
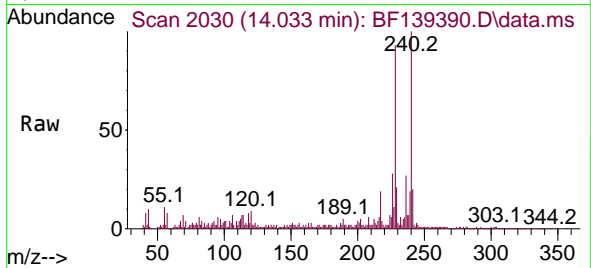


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.033 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-091224

Tgt Ion:240 Resp: 83667

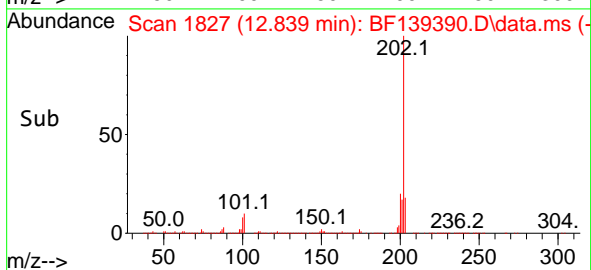
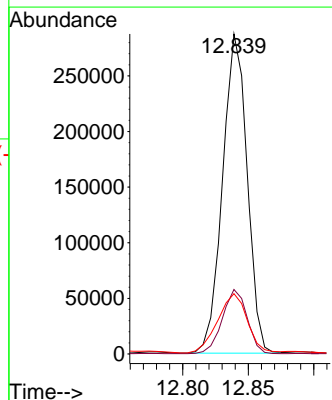
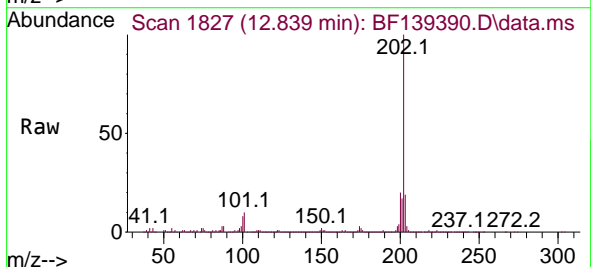
Ion	Ratio	Lower	Upper
240	100		
120	8.8	6.2	9.2
236	27.1	20.9	31.3

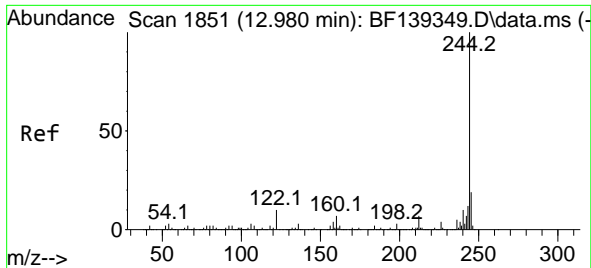


#78
 Pyrene
 Concen: 52.066 ng
 RT: 12.839 min Scan# 1827
 Delta R.T. 0.006 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

Tgt Ion:202 Resp: 374036

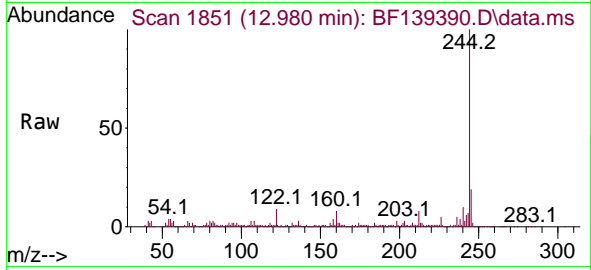
Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.2	24.2
203	18.8	13.9	20.9



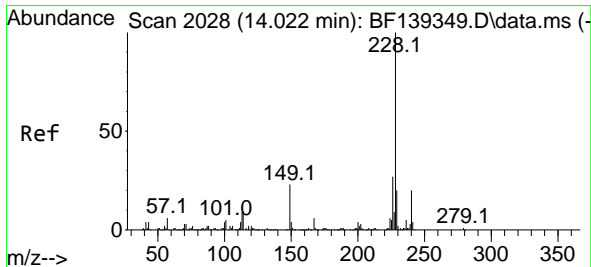
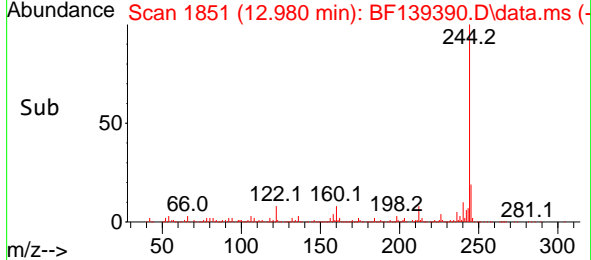
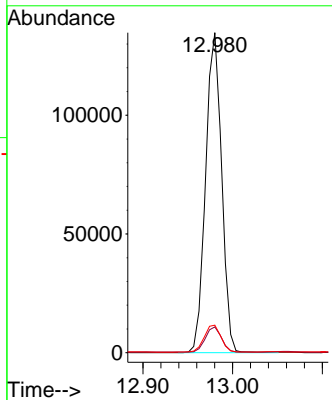


#79
 Terphenyl-d14
 Concen: 32.806 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-091224

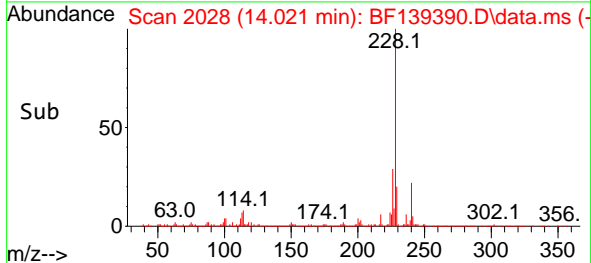
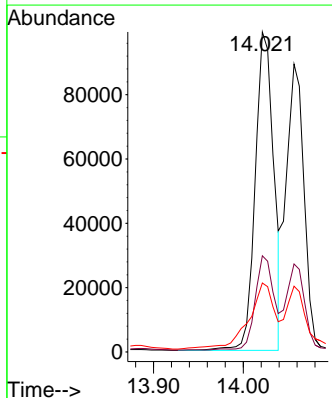
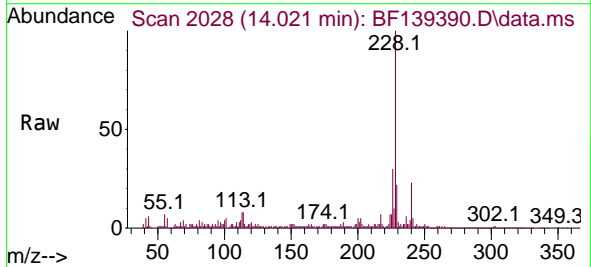


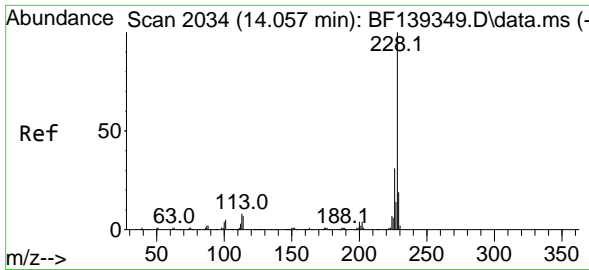
Tgt Ion:244 Resp: 167223
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.0 9.0
 122 8.6 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 25.562 ng
 RT: 14.021 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

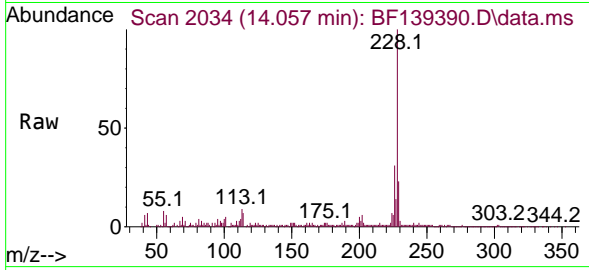
Tgt Ion:228 Resp: 141666
 Ion Ratio Lower Upper
 228 100
 226 30.0 21.6 32.4
 229 21.5 15.7 23.5



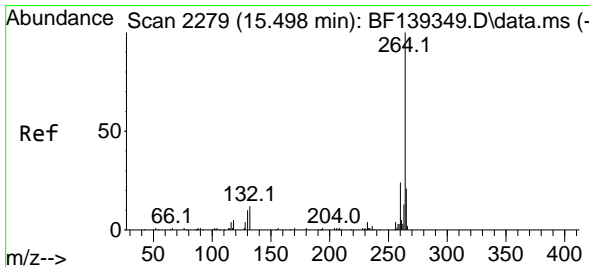
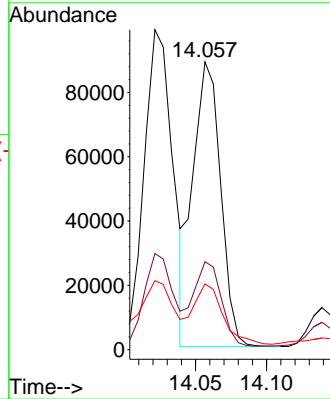
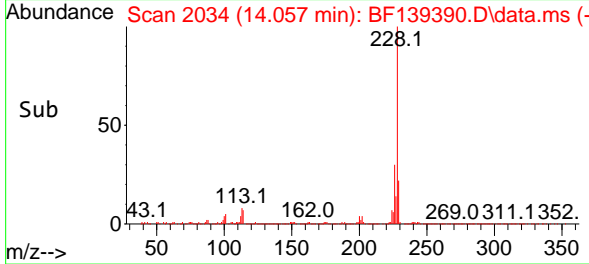


#83
 Chrysene
 Concen: 23.593 ng
 RT: 14.057 min Scan# 2034
 Delta R.T. -0.000 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

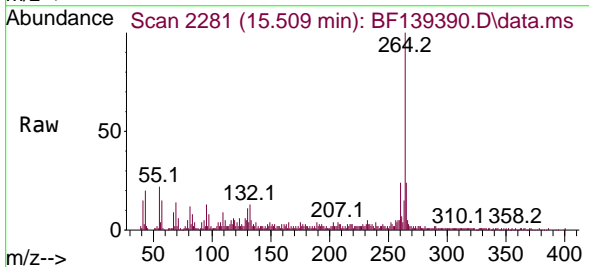
Instrument : BNA_F
 ClientSampleId : EO-03-091224



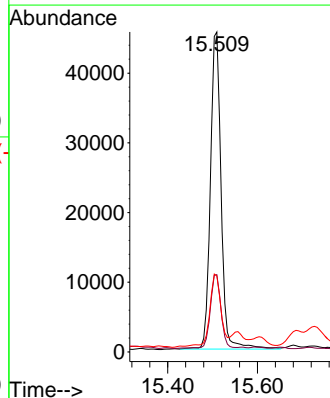
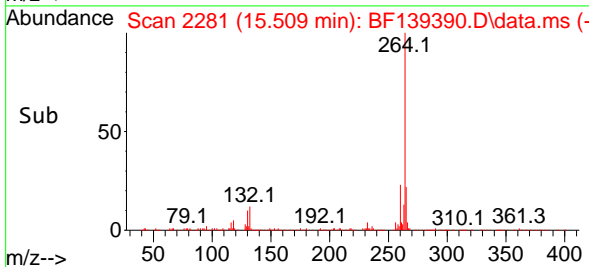
Tgt Ion:228 Resp: 120296
 Ion Ratio Lower Upper
 228 100
 226 30.6 24.1 36.1
 229 22.8 15.4 23.0

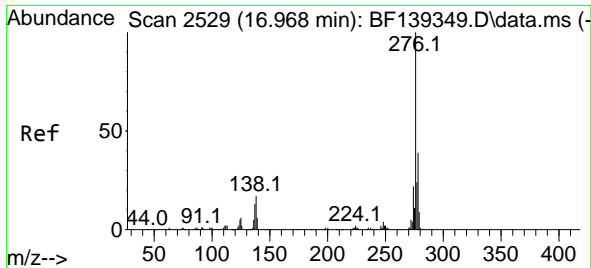


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.509 min Scan# 2281
 Delta R.T. 0.012 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44



Tgt Ion:264 Resp: 75424
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 23.8 16.6 25.0



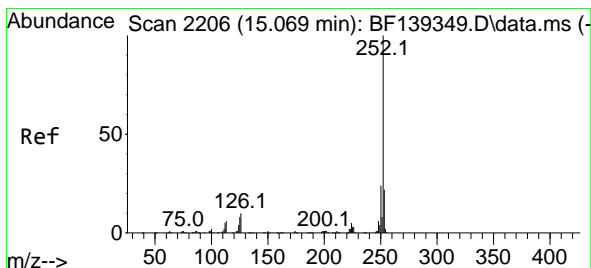
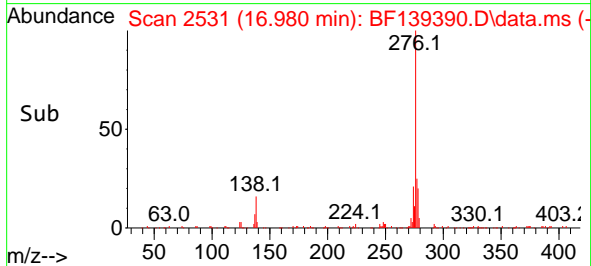
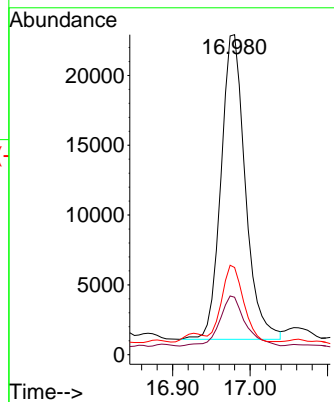
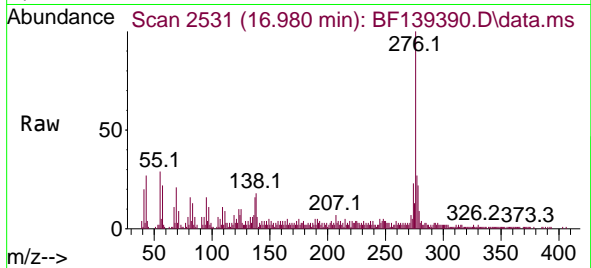


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.614 ng
 RT: 16.980 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-091224

Tgt Ion:276 Resp: 47604

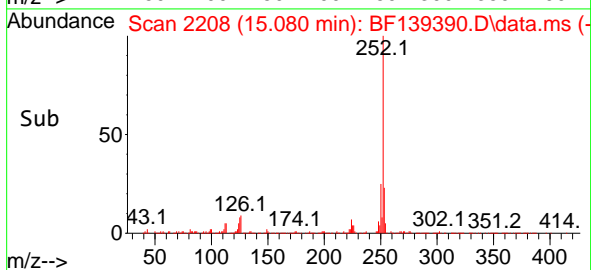
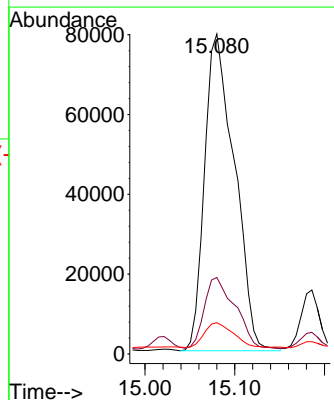
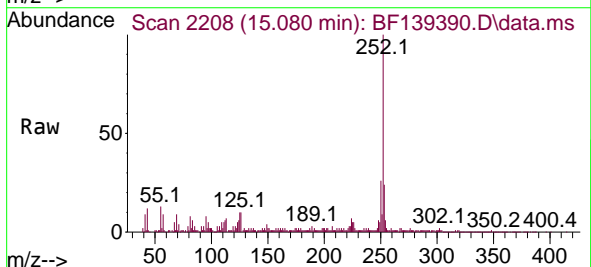
Ion	Ratio	Lower	Upper
276	100		
138	18.3	15.4	23.2
277	22.8	20.4	30.6

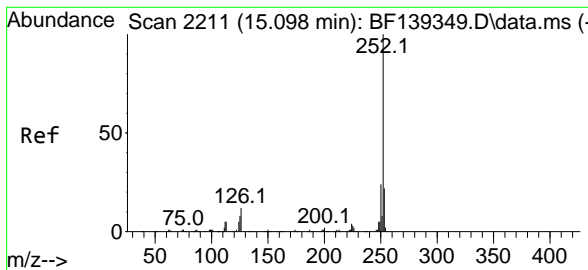


#88
 Benzo(b)fluoranthene
 Concen: 39.496 ng
 RT: 15.080 min Scan# 2208
 Delta R.T. 0.012 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

Tgt Ion:252 Resp: 183720

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.6	26.4
125	9.8	6.2	9.2



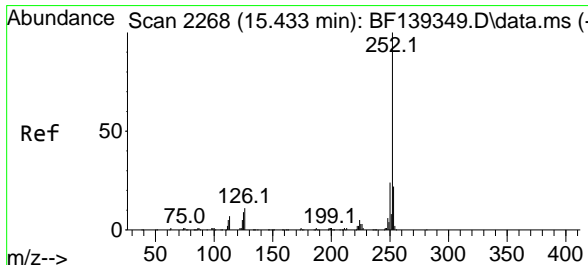
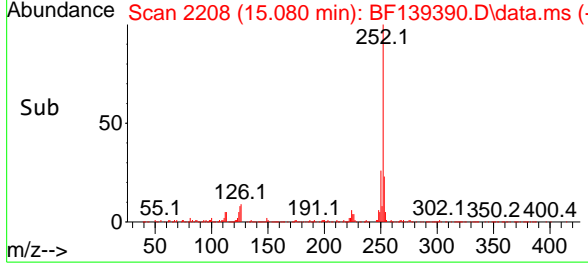
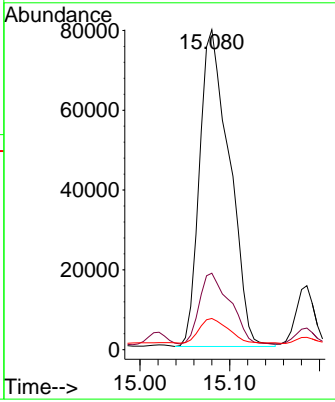
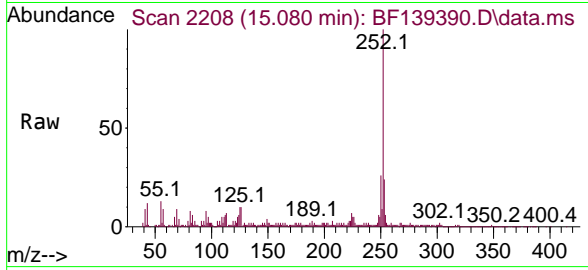


#89
 Benzo(k)fluoranthene
 Concen: 42.836 ng
 RT: 15.080 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

Instrument : BNA_F
 ClientSampleId : EO-03-091224

Tgt Ion:252 Resp: 183720

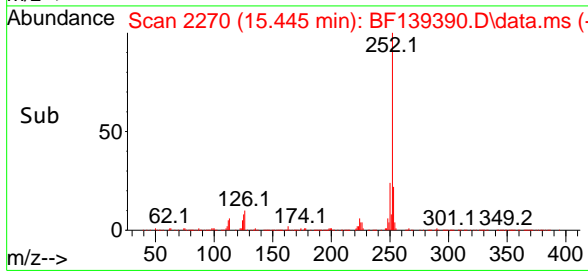
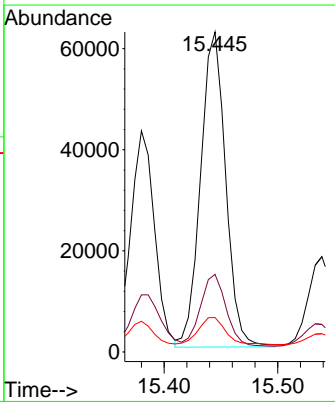
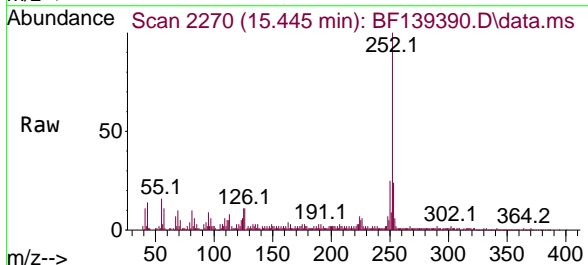
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.3	25.9
125	9.8	5.9	8.9#

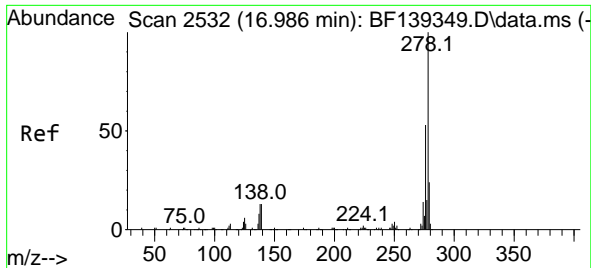


#90
 Benzo(a)pyrene
 Concen: 24.790 ng
 RT: 15.445 min Scan# 2270
 Delta R.T. 0.012 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

Tgt Ion:252 Resp: 95637

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.3	25.9
125	10.7	6.8	10.2#

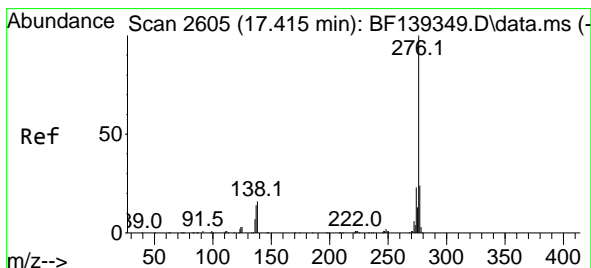
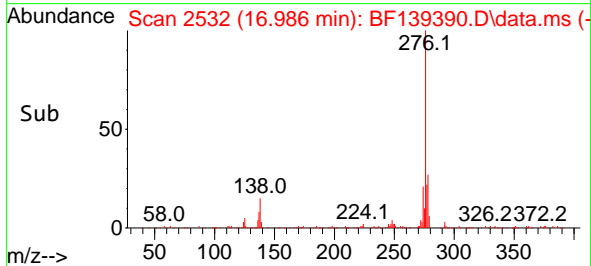
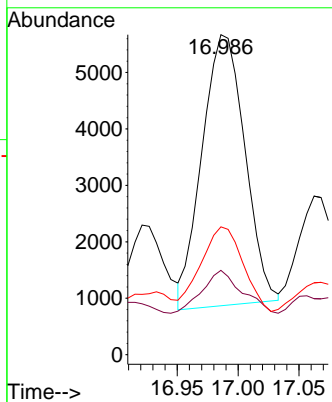
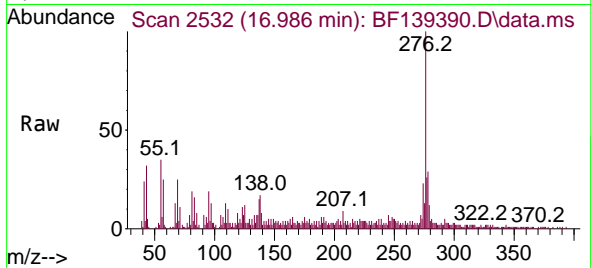




#91
 Dibenzo(a,h)anthracene
 Concen: 3.170 ng
 RT: 16.986 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-091224

Tgt Ion	Resp	Lower	Upper
278	11749		
139	26.3	10.2	15.2#
279	39.9	18.9	28.3#



#92
 Benzo(g,h,i)perylene
 Concen: 13.260 ng
 RT: 17.427 min Scan# 2607
 Delta R.T. 0.012 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

Tgt Ion	Resp	Lower	Upper
276	48658		
277	24.9	18.9	28.3
138	17.2	13.0	19.6

