

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
 Data File : BF139780.D
 Acq On : 11 Oct 2024 17:42
 Operator : RC/JU
 Sample : P4353-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CF-400-COMP-43

Quant Time: Oct 11 18:16:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

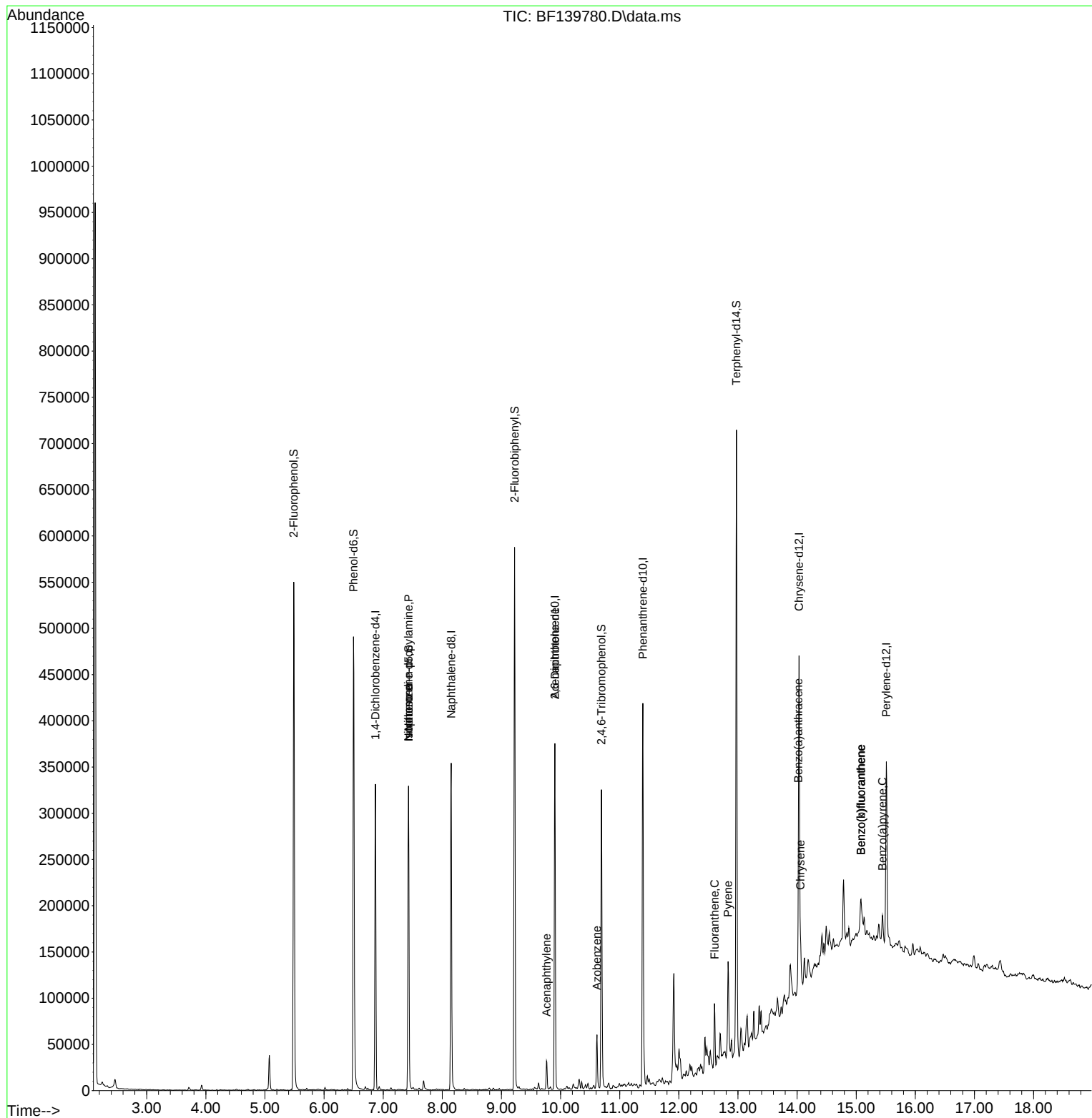
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	65897	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	216244	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	107983	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	216876	20.000	ng	0.00
76) Chrysene-d12	14.033	240	151342	20.000	ng	0.00
86) Perylene-d12	15.509	264	110446	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	194468	51.150	ng	0.00
7) Phenol-d6	6.498	99	230687	45.120	ng	0.00
23) Nitrobenzene-d5	7.428	82	136024	31.848	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	49822	47.795	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	251591	35.768	ng	0.00
79) Terphenyl-d14	12.974	244	317956	34.472	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.428	70	18364	5.587	ng	# 74
25) Isophorone	7.428	82	133318	17.575	ng	# 66
49) Acenaphthylene	9.763	152	20690	2.260	ng	98
51) 2,6-Dinitrotoluene	9.904	165	13526	8.471	ng	# 18
63) Azobenzene	10.616	77	14926	2.033	ng	# 1
75) Fluoranthene	12.604	202	32544	2.911	ng	96
78) Pyrene	12.833	202	56927	4.206	ng	98
81) Benzo(a)anthracene	14.021	228	27820	2.796	ng	# 77
83) Chrysene	14.057	228	27900	3.067	ng	# 95
88) Benzo(b)fluoranthene	15.080	252	26834	3.758	ng	# 87
89) Benzo(k)fluoranthene	15.080	252	26834	4.430	ng	# 88
90) Benzo(a)pyrene	15.445	252	16045	2.849	ng	# 87

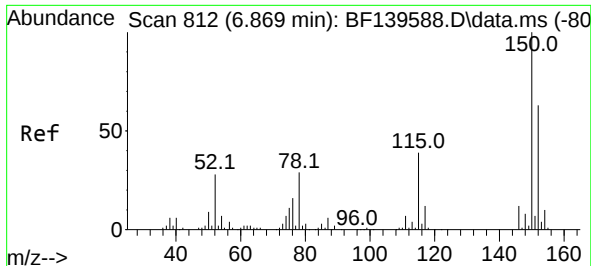
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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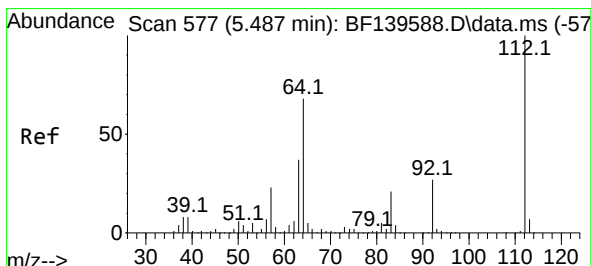
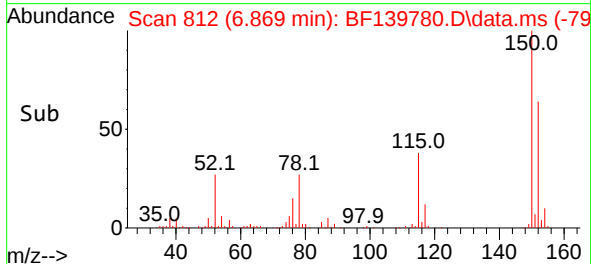
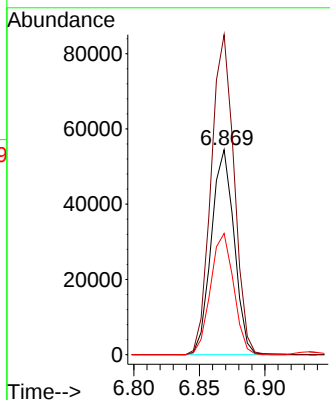
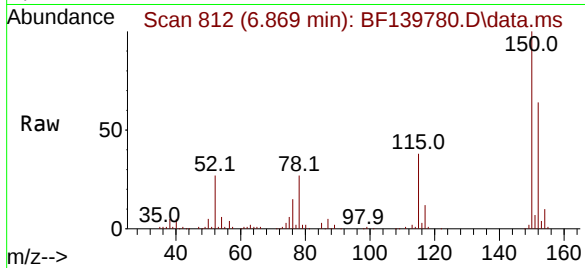




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF139780.D
Acq: 11 Oct 2024 17:42

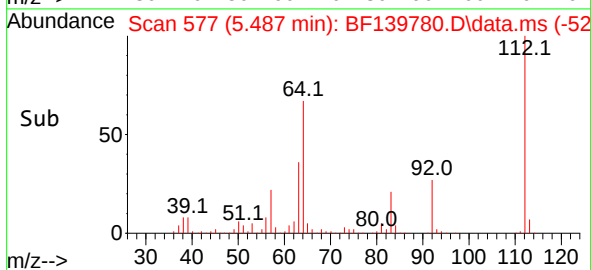
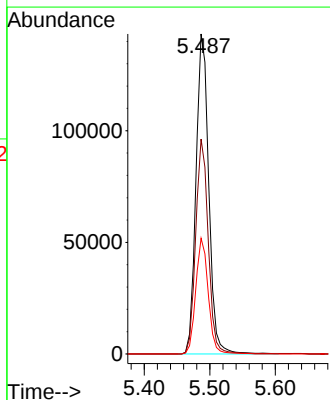
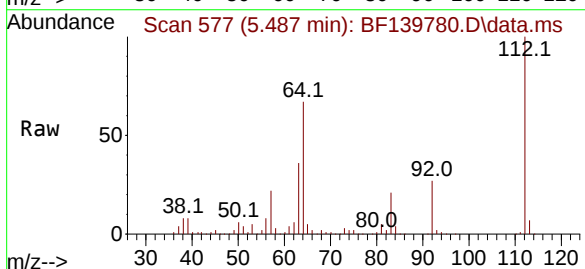
Instrument :
BNA_F
ClientSampleId :
CF-400-COMP-43

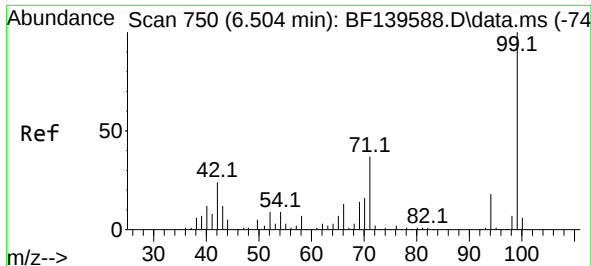
Tgt Ion:152 Resp: 65897
Ion Ratio Lower Upper
152 100
150 156.1 127.2 190.8
115 59.2 49.0 73.4



#5
2-Fluorophenol
Concen: 51.150 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139780.D
Acq: 11 Oct 2024 17:42

Tgt Ion:112 Resp: 194468
Ion Ratio Lower Upper
112 100
64 67.1 54.2 81.4
63 36.1 29.4 44.2

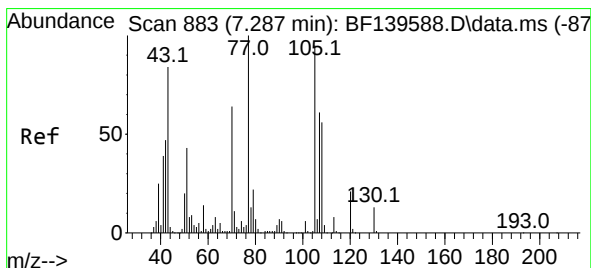
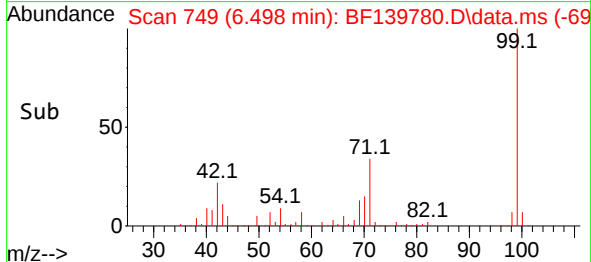
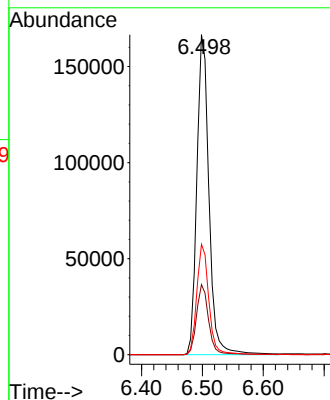
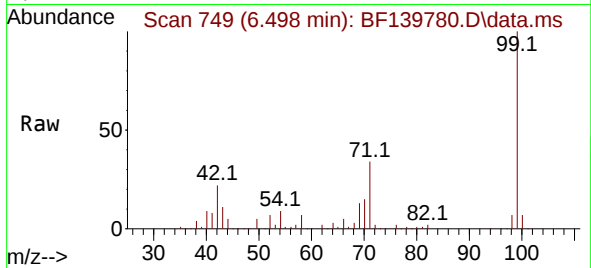




#7
Phenol-d6
Concen: 45.120 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139780.D
Acq: 11 Oct 2024 17:42

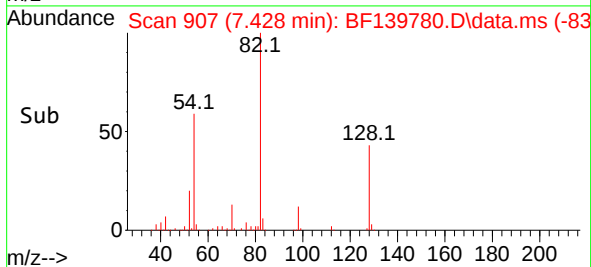
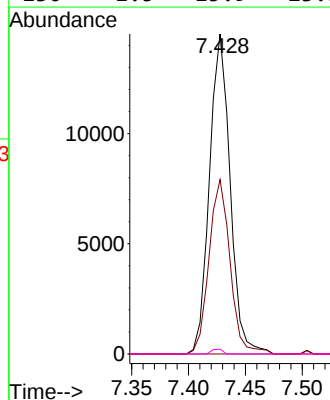
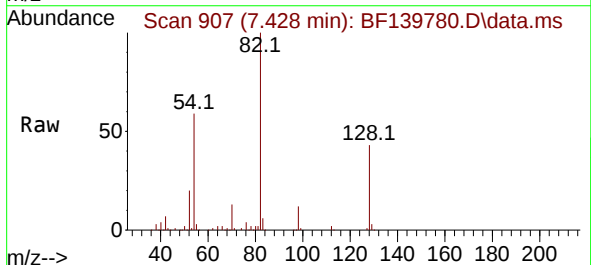
Instrument :
BNA_F
ClientSampleId :
CF-400-COMP-43

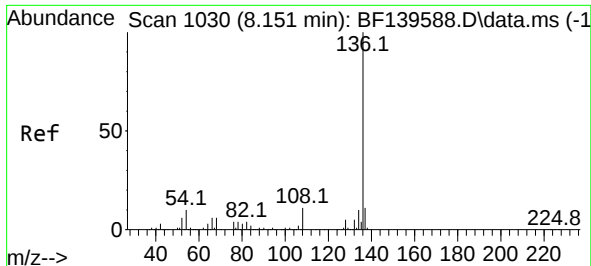
Tgt Ion: 99 Resp: 230687
Ion Ratio Lower Upper
99 100
42 21.9 19.1 28.7
71 34.5 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 5.587 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF139780.D
Acq: 11 Oct 2024 17:42

Tgt Ion: 70 Resp: 18364
Ion Ratio Lower Upper
70 100
42 54.5 58.0 87.0#
101 0.0 7.8 11.8#
130 1.5 15.9 23.9#



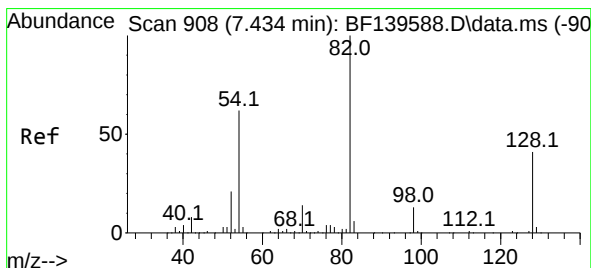
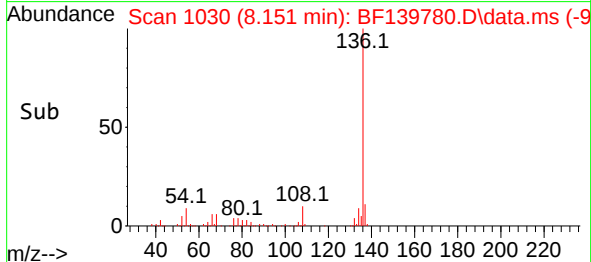
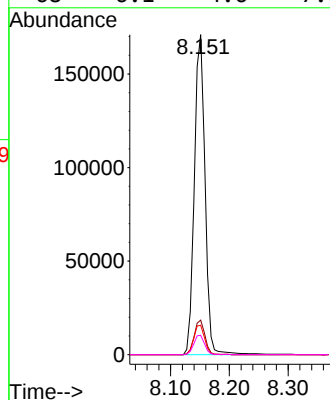
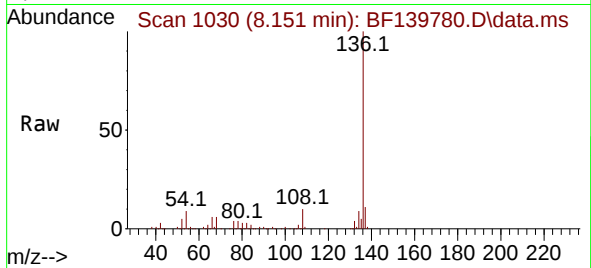


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF139780.D
Acq: 11 Oct 2024 17:42

Instrument :
BNA_F
ClientSampleId :
CF-400-COMP-43

Tgt Ion:136 Resp: 216244

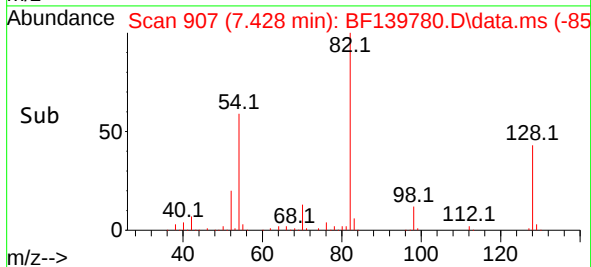
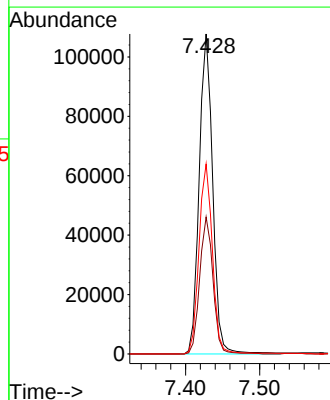
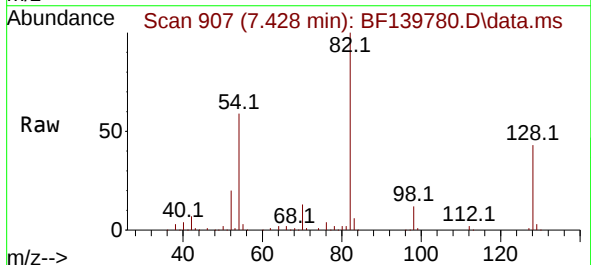
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.2	8.3	12.5
68	6.1	4.6	7.0

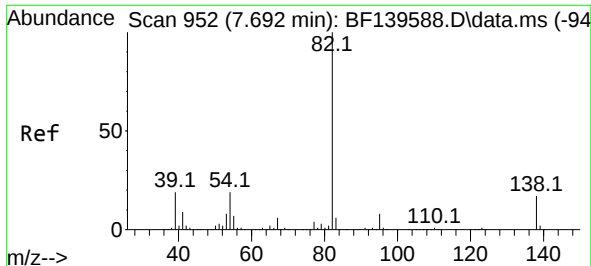


#23
Nitrobenzene-d5
Concen: 31.848 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF139780.D
Acq: 11 Oct 2024 17:42

Tgt Ion: 82 Resp: 136024

Ion	Ratio	Lower	Upper
82	100		
128	42.8	32.4	48.6
54	59.4	49.1	73.7

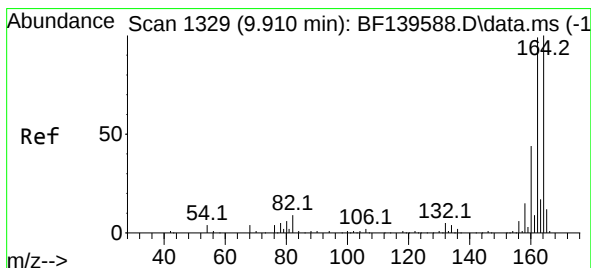
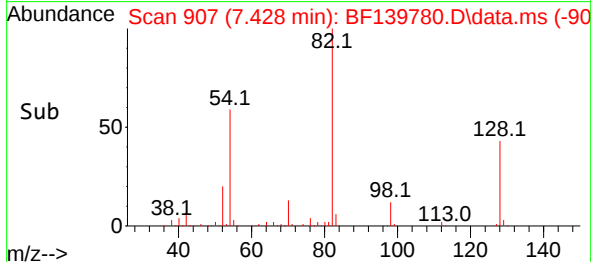
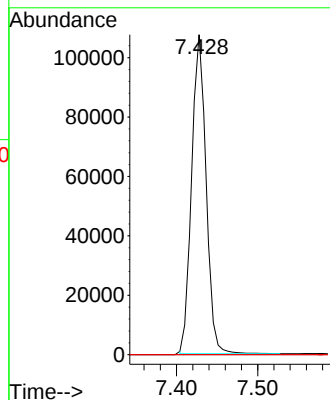
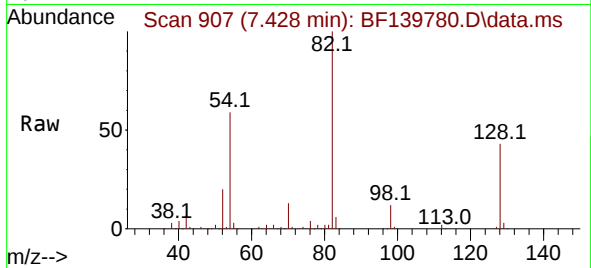




#25
Isophorone
Concen: 17.575 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139780.D
Acq: 11 Oct 2024 17:42

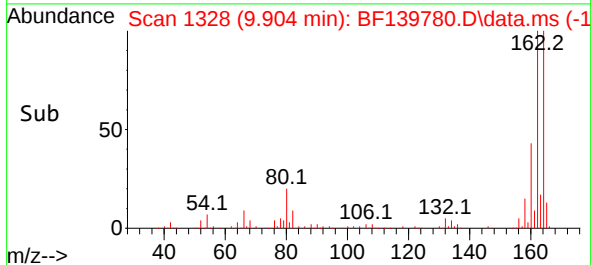
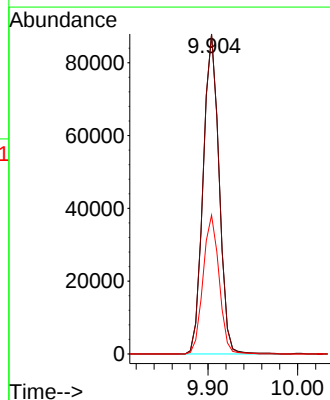
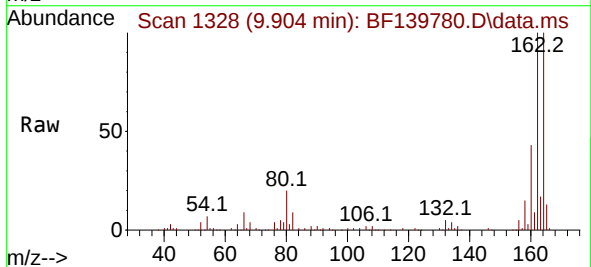
Instrument :
BNA_F
ClientSampleId :
CF-400-COMP-43

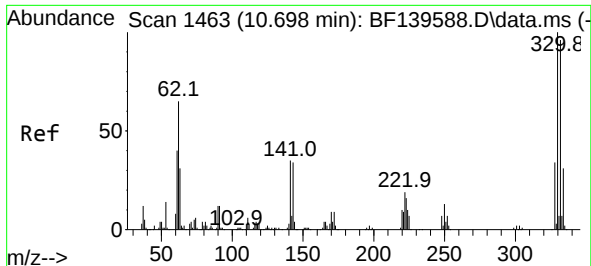
Tgt Ion: 82 Resp: 133318
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF139780.D
Acq: 11 Oct 2024 17:42

Tgt Ion:164 Resp: 107983
Ion Ratio Lower Upper
164 100
162 100.0 79.4 119.0
160 43.3 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 47.795 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF139780.D

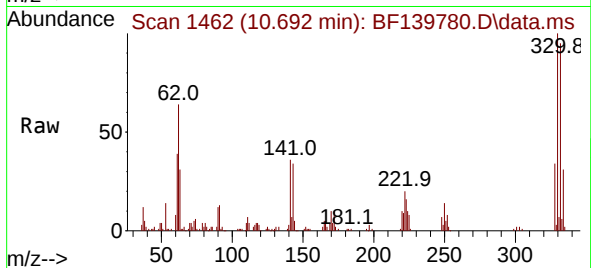
Acq: 11 Oct 2024 17:42

Instrument :

BNA_F

ClientSampleId :

CF-400-COMP-43



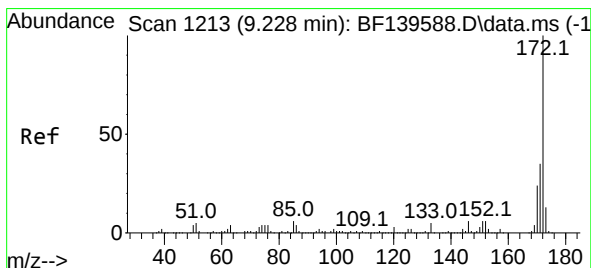
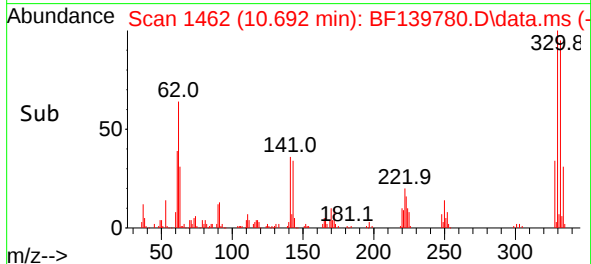
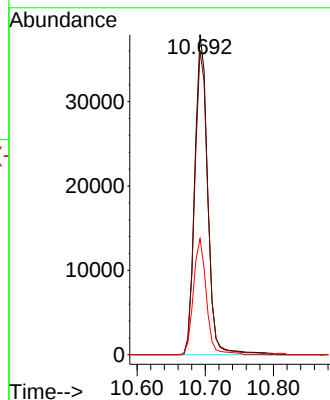
Tgt Ion:330 Resp: 49822

Ion Ratio Lower Upper

330 100

332 95.6 76.5 114.7

141 36.1 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 35.768 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF139780.D

Acq: 11 Oct 2024 17:42

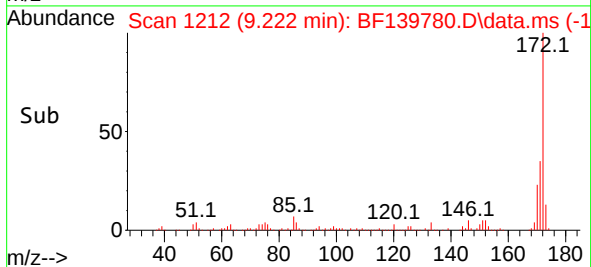
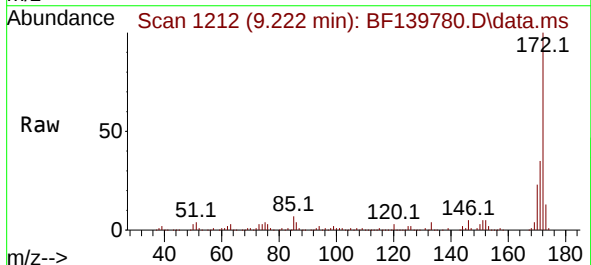
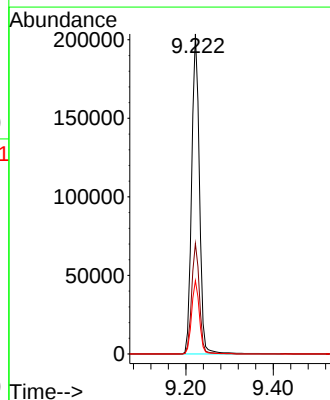
Tgt Ion:172 Resp: 251591

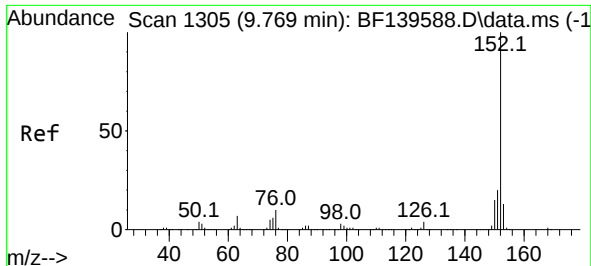
Ion Ratio Lower Upper

172 100

171 34.5 28.2 42.4

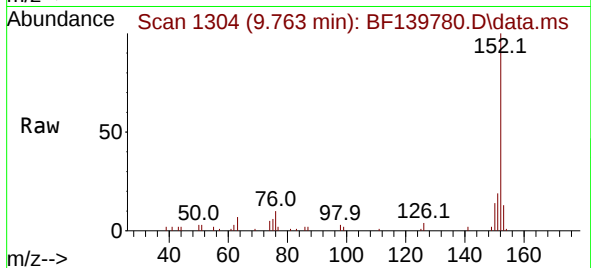
170 22.9 18.8 28.2



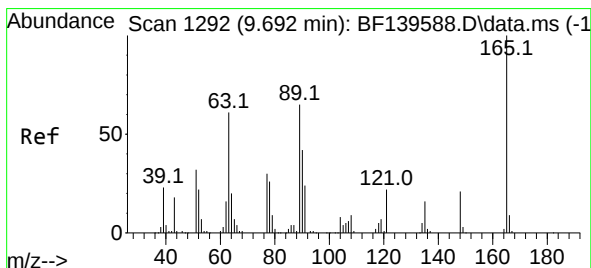
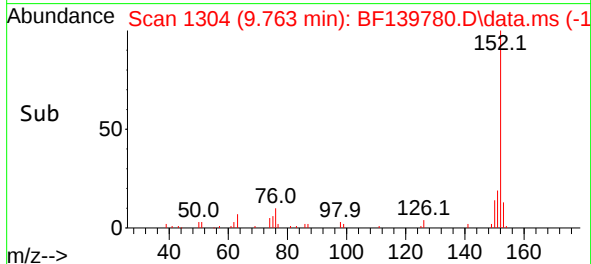
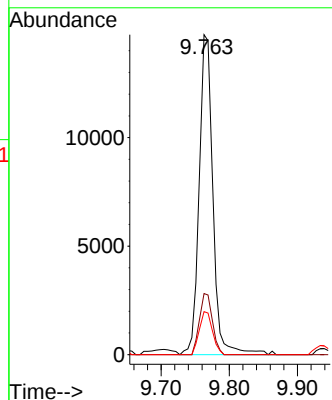


#49
Acenaphthylene
Concen: 2.260 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139780.D
Acq: 11 Oct 2024 17:42

Instrument :
BNA_F
ClientSampleId :
CF-400-COMP-43

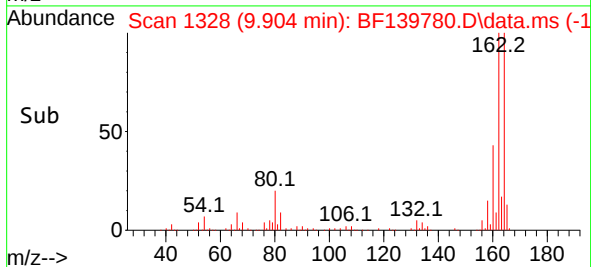
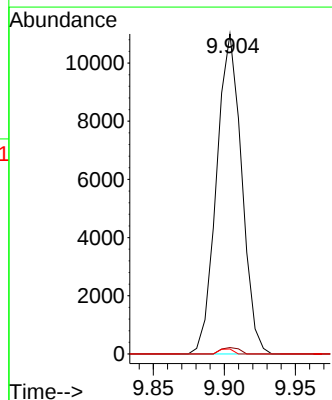
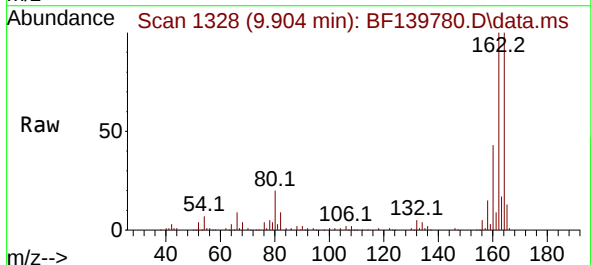


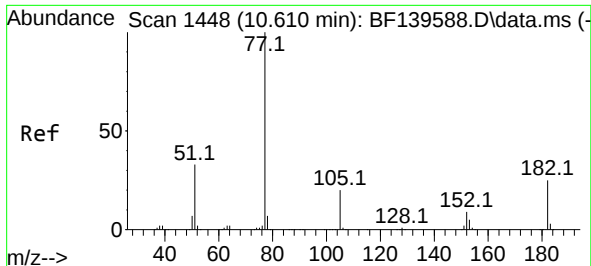
Tgt Ion:152 Resp: 20690
Ion Ratio Lower Upper
152 100
151 19.1 16.0 24.0
153 13.5 10.5 15.7



#51
2,6-Dinitrotoluene
Concen: 8.471 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.212 min
Lab File: BF139780.D
Acq: 11 Oct 2024 17:42

Tgt Ion:165 Resp: 13526
Ion Ratio Lower Upper
165 100
63 2.0 56.7 85.1#
89 1.5 51.6 77.4#

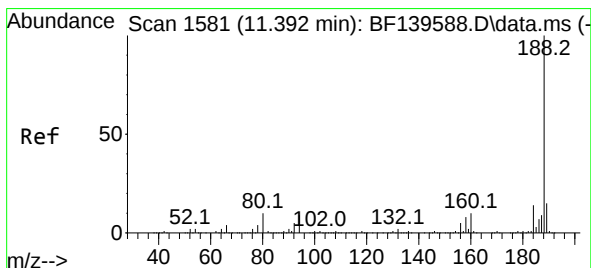
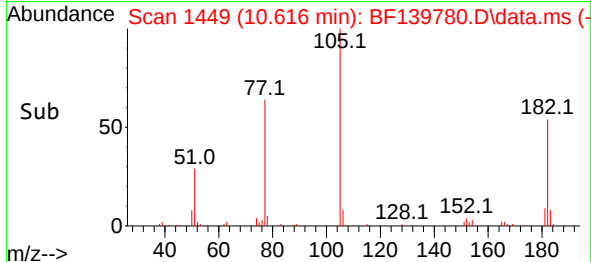
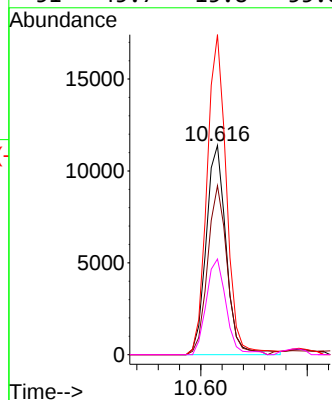
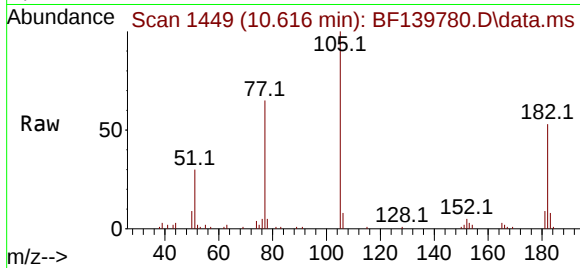




#63
Azobenzene
Concen: 2.033 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF139780.D
Acq: 11 Oct 2024 17:42

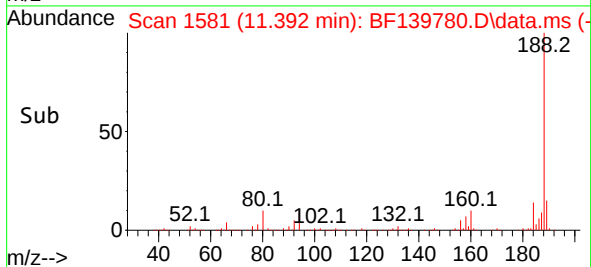
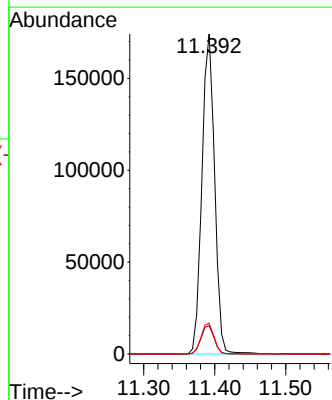
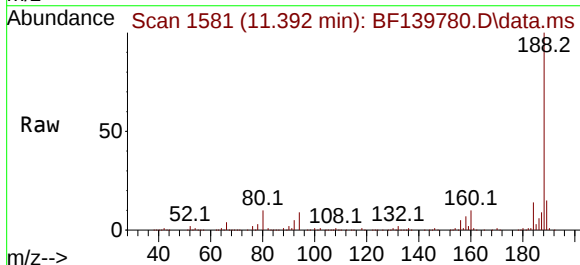
Instrument :
BNA_F
ClientSampleId :
CF-400-COMP-43

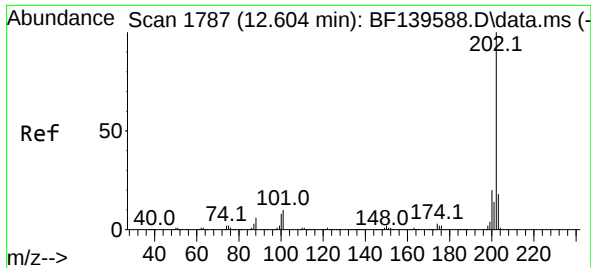
Tgt Ion: 77	Resp: 14926
Ion Ratio	Lower Upper
77 100	
182 80.8	4.2 44.2#
105 152.9	0.0 39.6#
51 45.7	15.8 55.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BF139780.D
Acq: 11 Oct 2024 17:42

Tgt Ion: 188	Resp: 216876
Ion Ratio	Lower Upper
188 100	
94 8.9	7.4 11.2
80 9.6	8.2 12.2

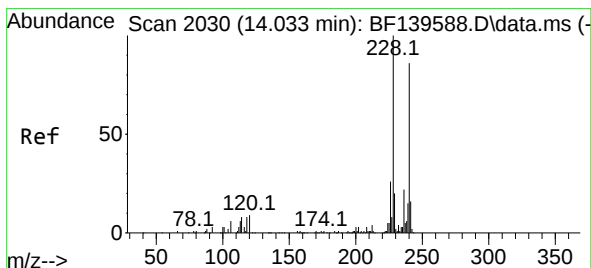
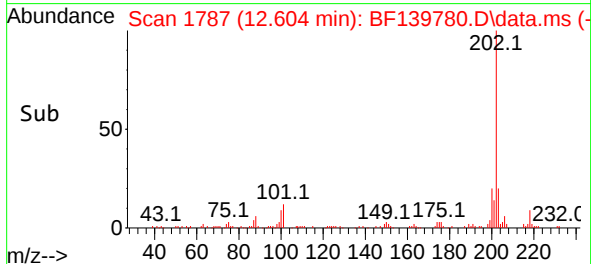
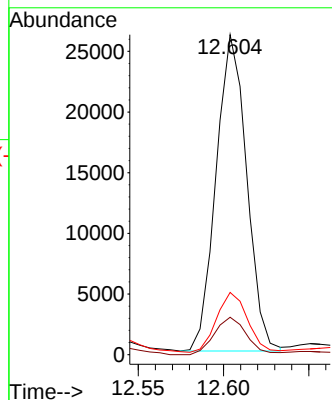
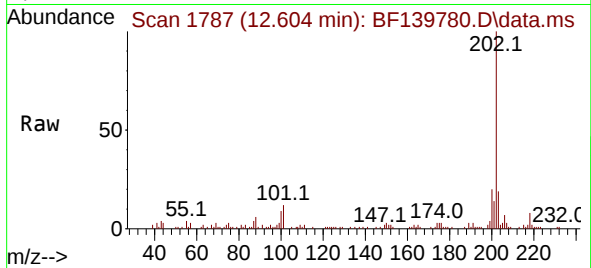




#75
Fluoranthene
Concen: 2.911 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139780.D
Acq: 11 Oct 2024 17:42

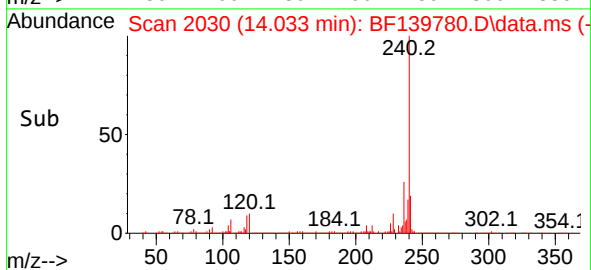
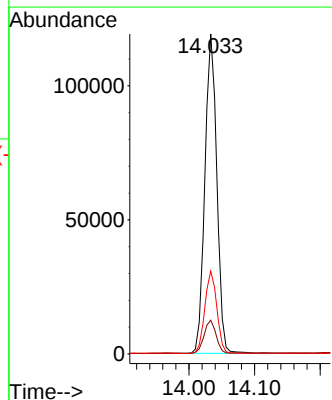
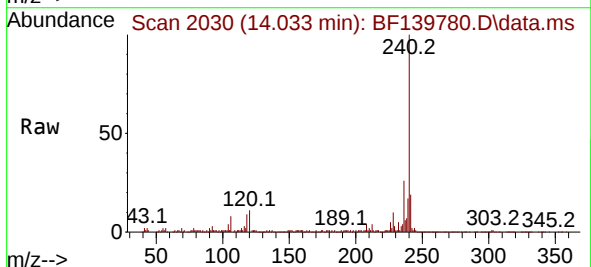
Instrument :
BNA_F
ClientSampleId :
CF-400-COMP-43

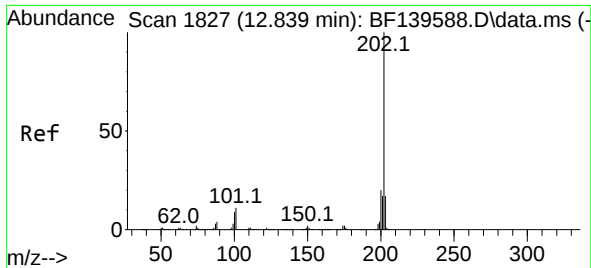
Tgt Ion:202 Resp: 32544
Ion Ratio Lower Upper
202 100
101 11.7 0.0 30.2
203 19.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139780.D
Acq: 11 Oct 2024 17:42

Tgt Ion:240 Resp: 151342
Ion Ratio Lower Upper
240 100
120 10.6 8.4 12.6
236 25.9 20.3 30.5

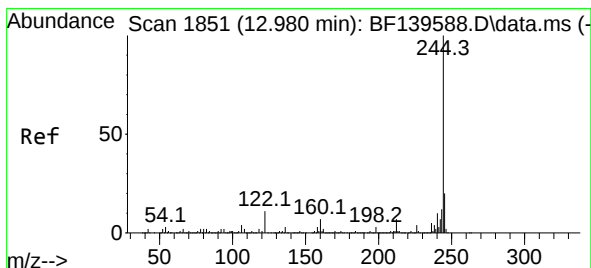
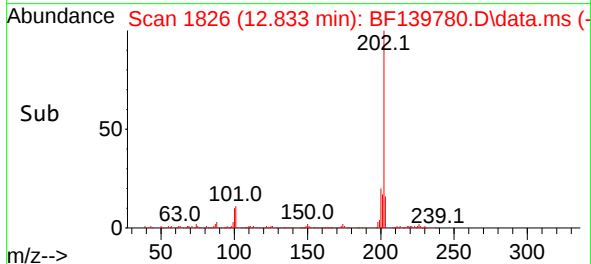
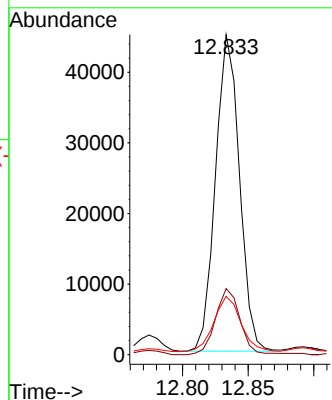
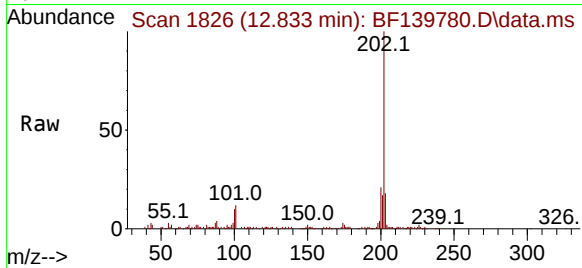




#78
 Pyrene
 Concen: 4.206 ng
 RT: 12.833 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF139780.D
 Acq: 11 Oct 2024 17:42

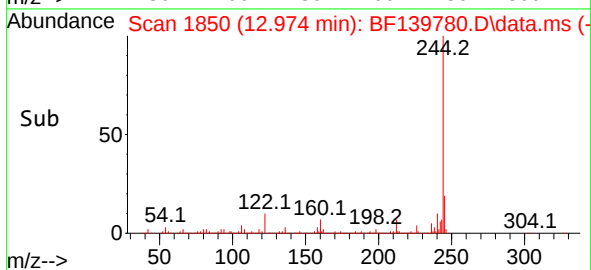
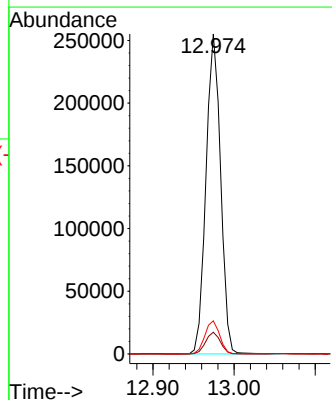
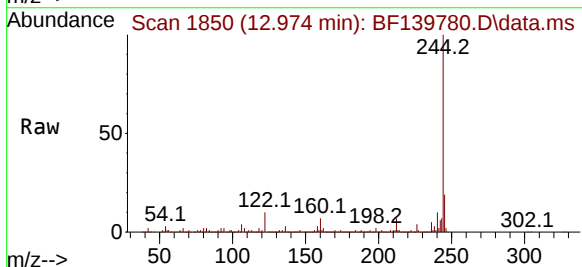
Instrument :
 BNA_F
 ClientSampleId :
 CF-400-COMP-43

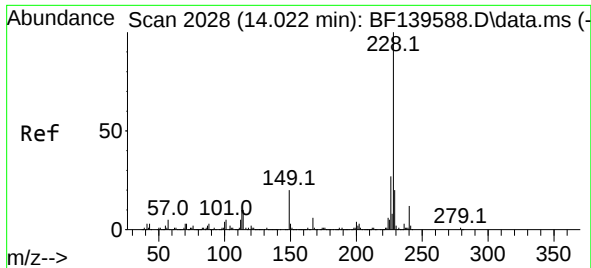
Tgt Ion:202 Resp: 56927
 Ion Ratio Lower Upper
 202 100
 200 20.7 15.8 23.6
 203 18.2 13.8 20.8



#79
 Terphenyl-d14
 Concen: 34.472 ng
 RT: 12.974 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: BF139780.D
 Acq: 11 Oct 2024 17:42

Tgt Ion:244 Resp: 317956
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 10.3 8.6 12.8

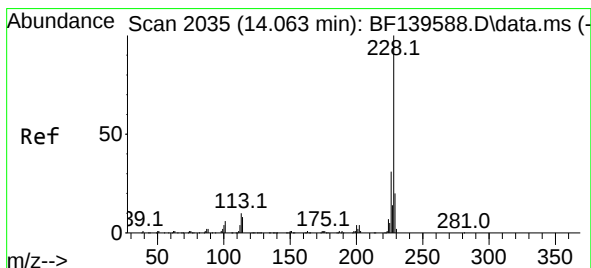
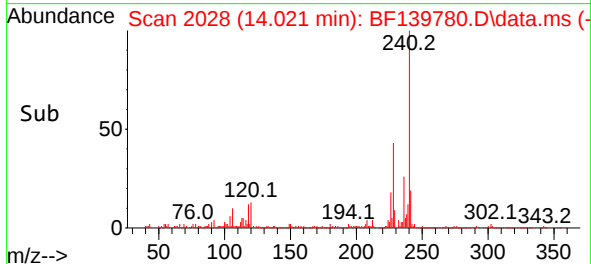
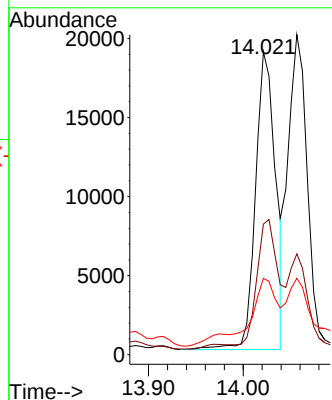
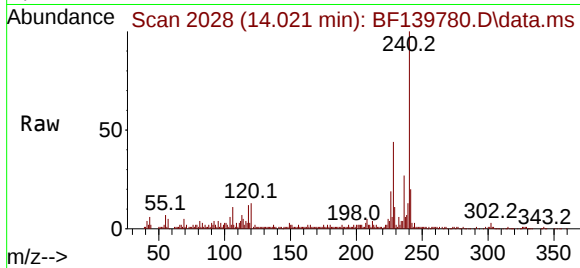




#81
Benzo(a)anthracene
Concen: 2.796 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139780.D
Acq: 11 Oct 2024 17:42

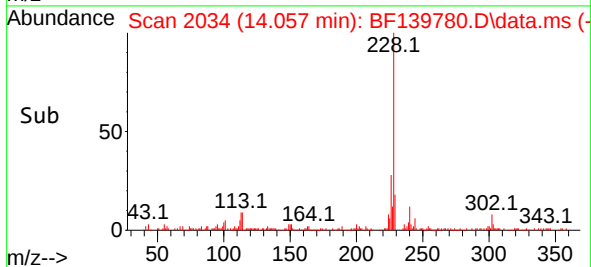
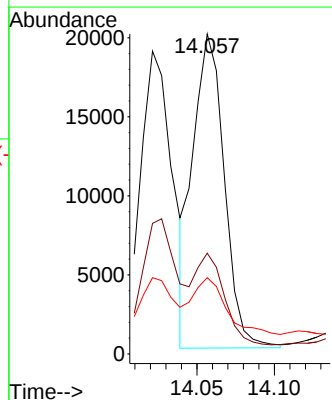
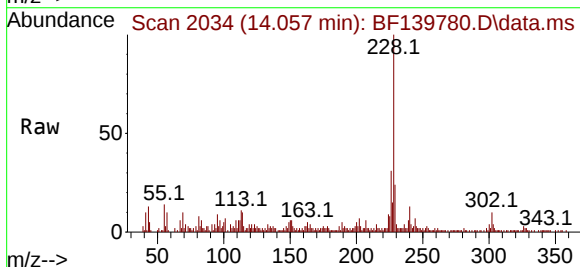
Instrument :
BNA_F
ClientSampleId :
CF-400-COMP-43

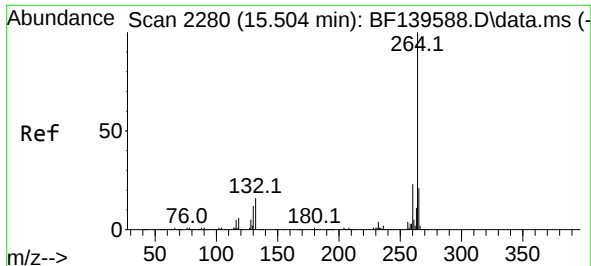
Tgt Ion:228 Resp: 27820
Ion Ratio Lower Upper
228 100
226 43.1 21.8 32.8#
229 25.2 15.8 23.8#



#83
Chrysene
Concen: 3.067 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF139780.D
Acq: 11 Oct 2024 17:42

Tgt Ion:228 Resp: 27900
Ion Ratio Lower Upper
228 100
226 31.5 24.3 36.5
229 23.9 15.7 23.5#

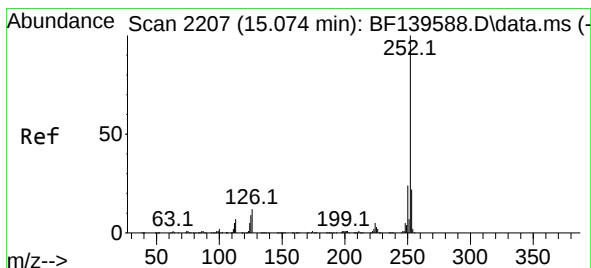
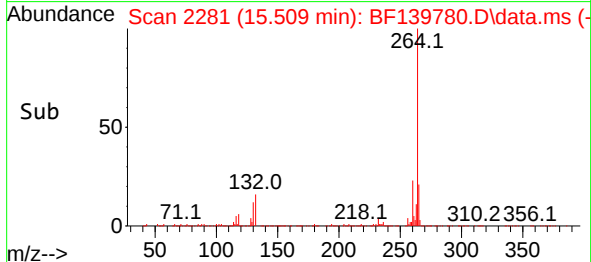
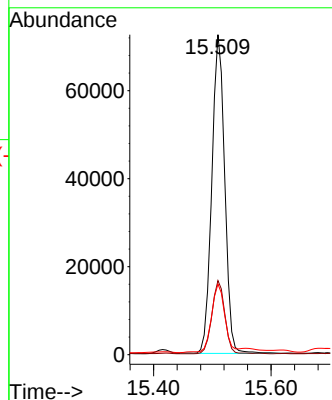
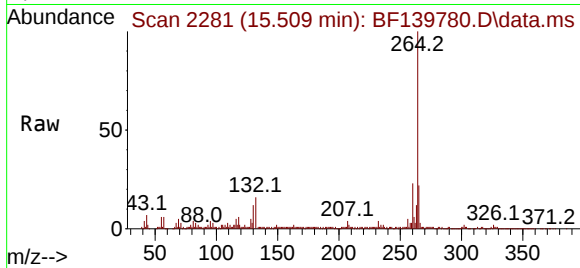




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139780.D
Acq: 11 Oct 2024 17:42

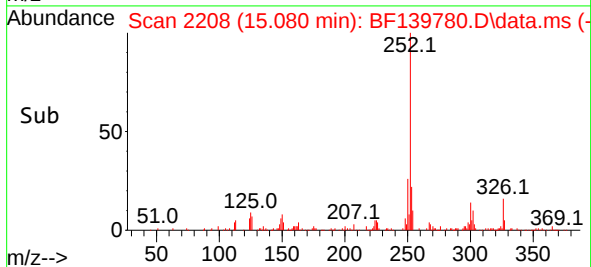
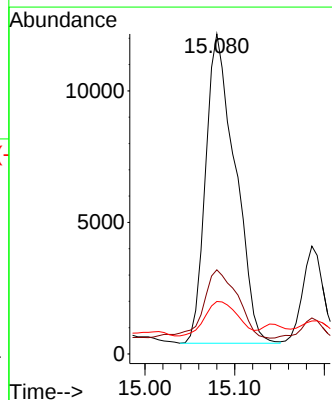
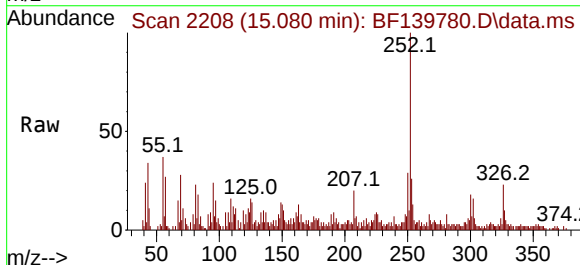
Instrument :
BNA_F
ClientSampleId :
CF-400-COMP-43

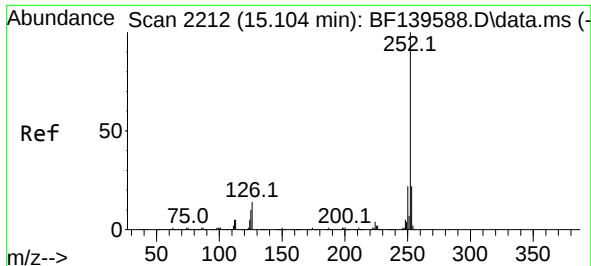
Tgt Ion:264 Resp: 110446
Ion Ratio Lower Upper
264 100
260 23.1 18.7 28.1
265 22.0 16.9 25.3



#88
Benzo(b)fluoranthene
Concen: 3.758 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.006 min
Lab File: BF139780.D
Acq: 11 Oct 2024 17:42

Tgt Ion:252 Resp: 26834
Ion Ratio Lower Upper
252 100
253 26.3 17.4 26.0#
125 16.4 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 4.430 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF139780.D

Acq: 11 Oct 2024 17:42

Instrument :

BNA_F

ClientSampleId :

CF-400-COMP-43

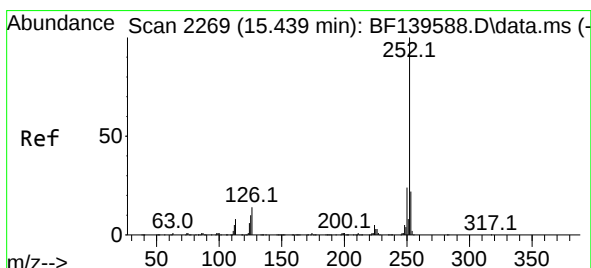
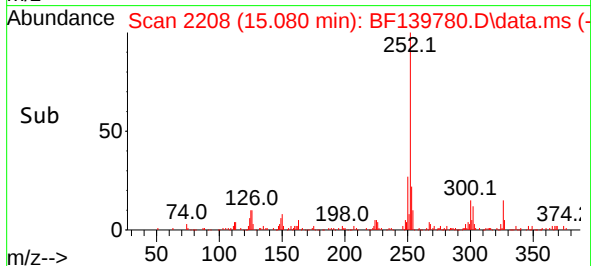
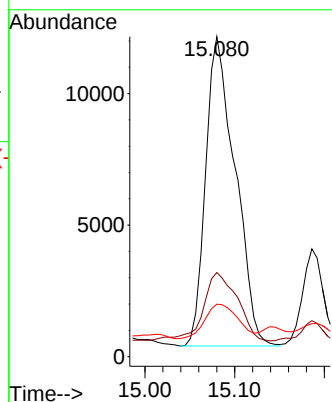
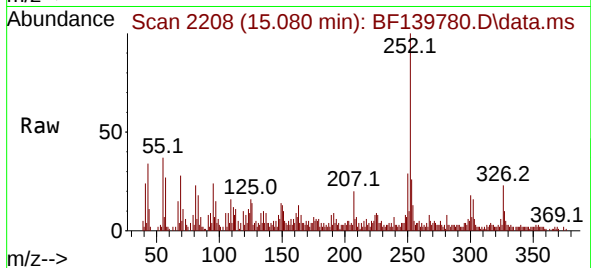
Tgt Ion:252 Resp: 26834

Ion Ratio Lower Upper

252 100

253 26.3 17.5 26.3#

125 16.4 7.6 11.4#



#90

Benzo(a)pyrene

Concen: 2.849 ng

RT: 15.445 min Scan# 2270

Delta R.T. 0.006 min

Lab File: BF139780.D

Acq: 11 Oct 2024 17:42

Tgt Ion:252 Resp: 16045

Ion Ratio Lower Upper

252 100

253 27.0 17.3 25.9#

125 16.0 8.3 12.5#

