

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100924\
 Data File : BF139735.D
 Acq On : 09 Oct 2024 21:21
 Operator : RC/JU
 Sample : P4353-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Oct 10 01:13:20 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	79017	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	284103	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	137021	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	218696	20.000	ng	0.00
76) Chrysene-d12	14.033	240	171810	20.000	ng	0.00
86) Perylene-d12	15.510	264	128240	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	453763	99.533	ng	0.00
7) Phenol-d6	6.498	99	586277	95.629	ng	0.00
23) Nitrobenzene-d5	7.428	82	372148	66.321	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	103547	78.284	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	658365	73.763	ng	0.00
79) Terphenyl-d14	12.974	244	566926	54.143	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	50334	12.770	ng	# 77
25) Isophorone	7.428	82	369757	37.100	ng	# 66
49) Acenaphthylene	9.763	152	42493	3.657	ng	99
51) 2,6-Dinitrotoluene	9.904	165	18243	9.004	ng	# 18
63) Azobenzene	10.616	77	36432	3.910	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	7257	3.236	ng	# 1
71) Phenanthrene	11.410	178	24844	2.409	ng	99
75) Fluoranthene	12.604	202	62156	5.514	ng	99
78) Pyrene	12.833	202	108060	7.032	ng	98
81) Benzo(a)anthracene	14.057	228	60254	5.334	ng	92
83) Chrysene	14.057	228	60254	5.834	ng	96
87) Indeno(1,2,3-cd)pyrene	16.980	276	17526	2.322	ng	95
88) Benzo(b)fluoranthene	15.074	252	67522	8.143	ng	# 93
89) Benzo(k)fluoranthene	15.074	252	67522	9.600	ng	# 94
90) Benzo(a)pyrene	15.445	252	36144	5.528	ng	# 92
92) Benzo(g,h,i)perylene	17.427	276	20495	3.264	ng	93

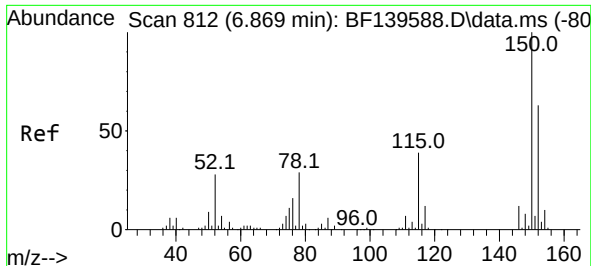
(#) = qualifier out of range (m) = manual integration (+) = signals summed

BNA F

BNA F

ClientSampleId :

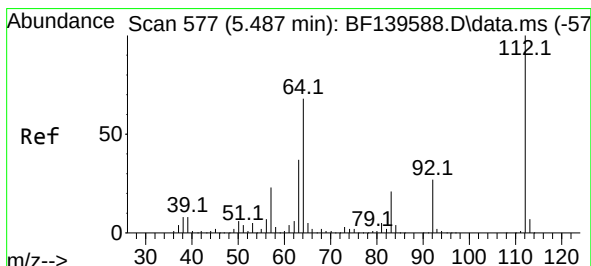
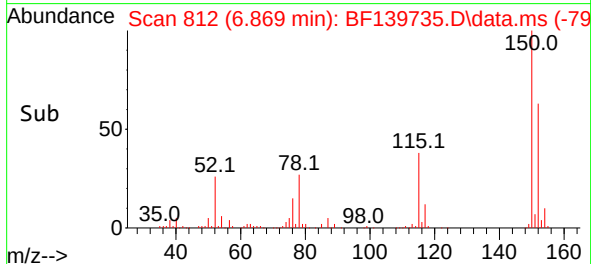
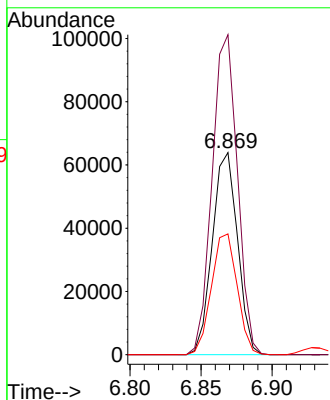
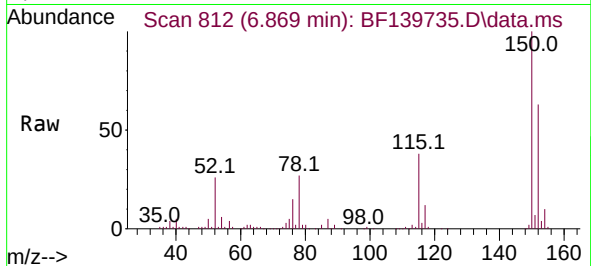
CF-400-COMP-43



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF139735.D
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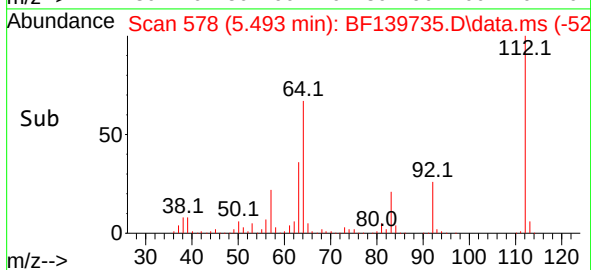
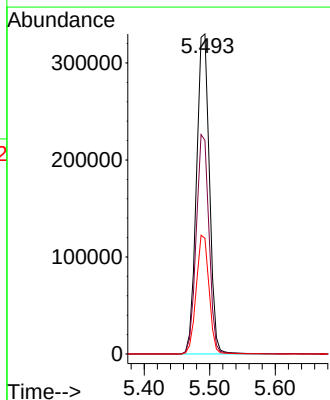
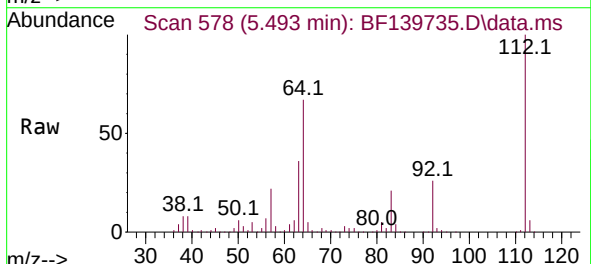
Instrument :
BNA_F
ClientSampleId :
CF-400-COMP-43

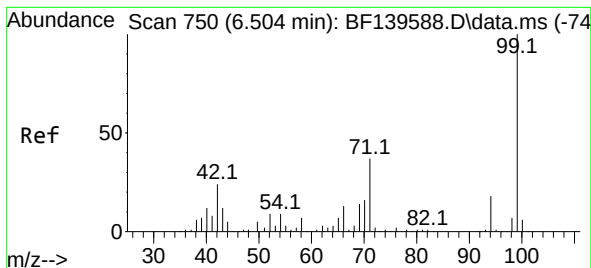
Tgt Ion:152 Resp: 79017
Ion Ratio Lower Upper
152 100
150 158.4 127.2 190.8
115 59.8 49.0 73.4



#5
2-Fluorophenol
Concen: 99.533 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF139735.D
Acq: 09 Oct 2024 21:21

Tgt Ion:112 Resp: 453763
Ion Ratio Lower Upper
112 100
64 66.7 54.2 81.4
63 36.2 29.4 44.2





#7

Phenol-d6

Concen: 95.629 ng

RT: 6.498 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF139735.D

Acq: 09 Oct 2024 21:21

Instrument :

BNA_F

ClientSampleId :

CF-400-COMP-43

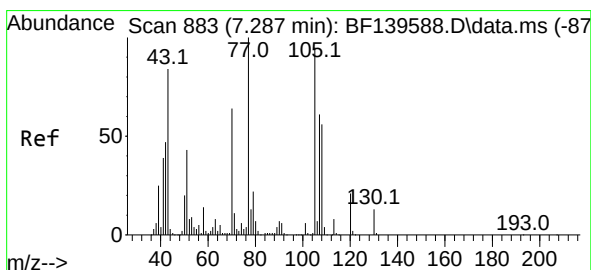
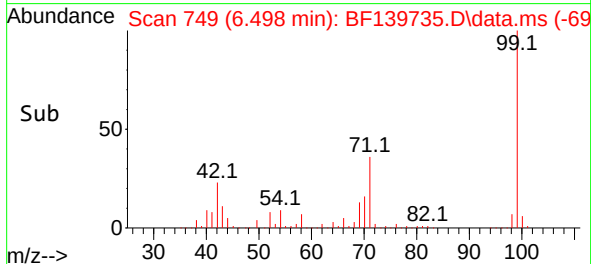
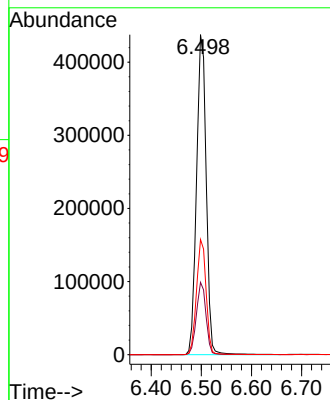
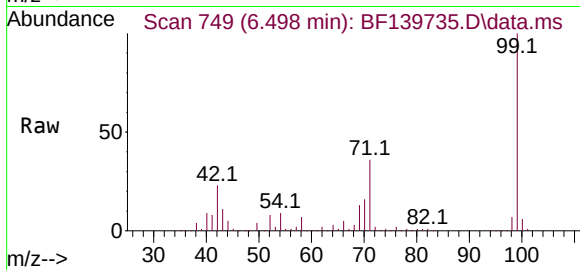
Tgt Ion: 99 Resp: 586277

Ion Ratio Lower Upper

99 100

42 22.6 19.1 28.7

71 36.0 29.7 44.5



#19

n-Nitroso-di-n-propylamine

Concen: 12.770 ng

RT: 7.428 min Scan# 907

Delta R.T. 0.141 min

Lab File: BF139735.D

Acq: 09 Oct 2024 21:21

Tgt Ion: 70 Resp: 50334

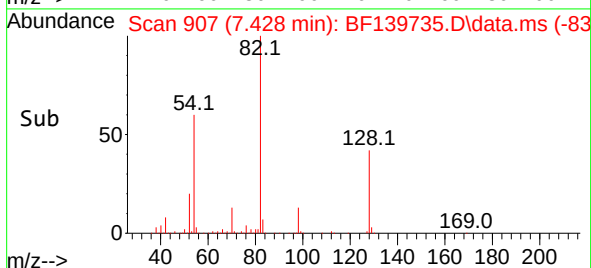
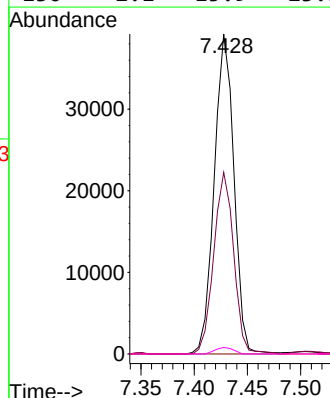
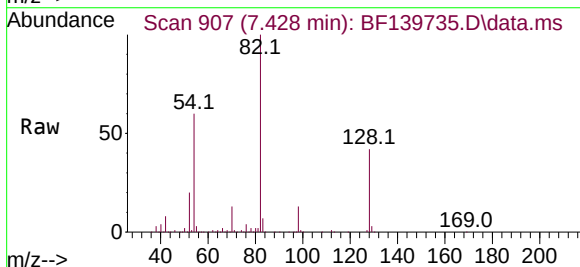
Ion Ratio Lower Upper

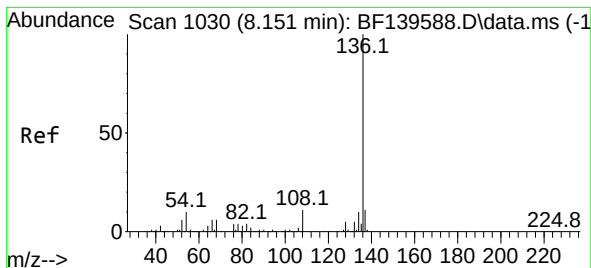
70 100

42 56.8 58.0 87.0#

101 0.0 7.8 11.8#

130 2.1 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139735.D

Acq: 09 Oct 2024 21:21

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:136 Resp: 284103

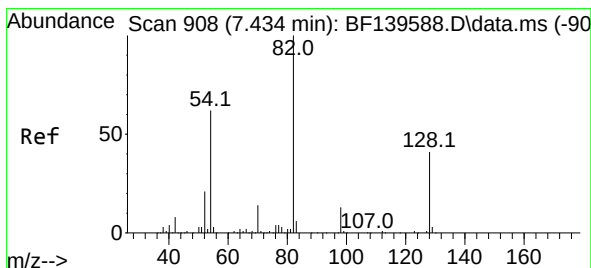
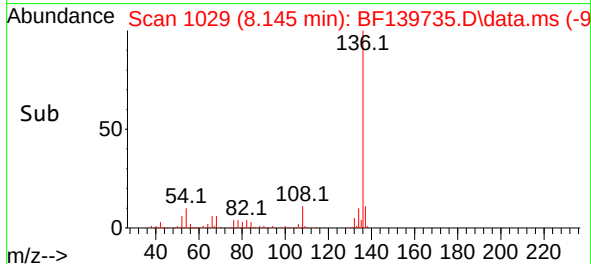
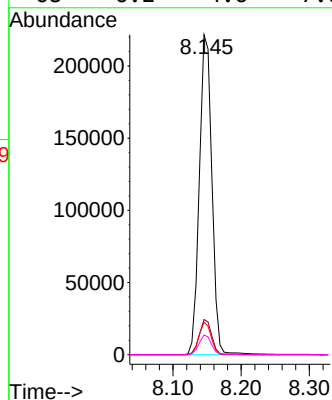
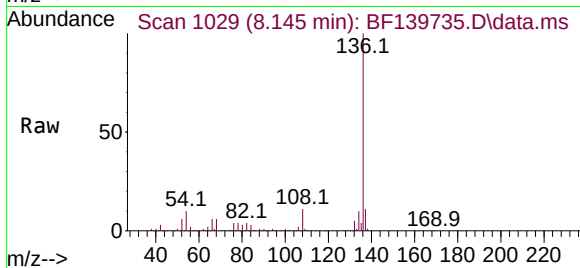
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.1 8.3 12.5

68 6.2 4.6 7.0



#23

Nitrobenzene-d5

Concen: 66.321 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF139735.D

Acq: 09 Oct 2024 21:21

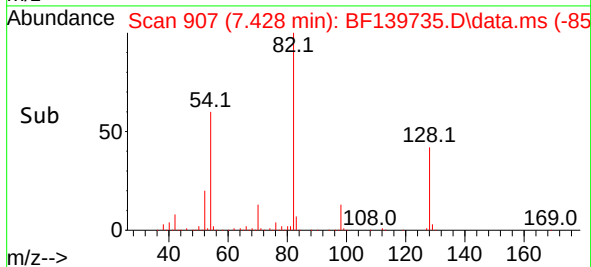
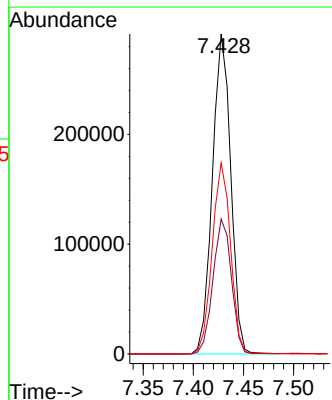
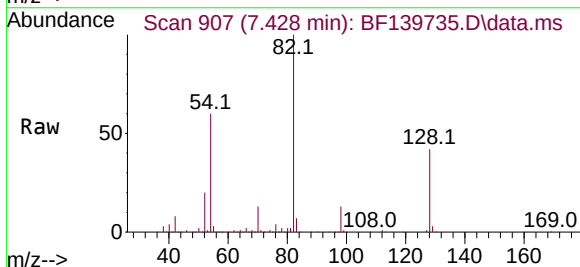
Tgt Ion: 82 Resp: 372148

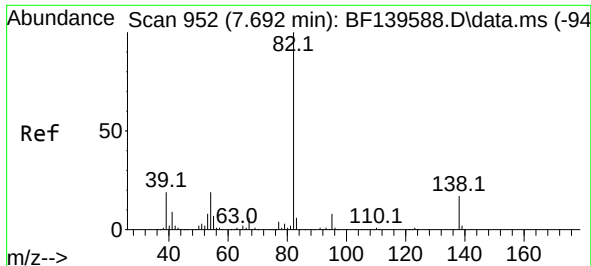
Ion Ratio Lower Upper

82 100

128 42.2 32.4 48.6

54 59.7 49.1 73.7

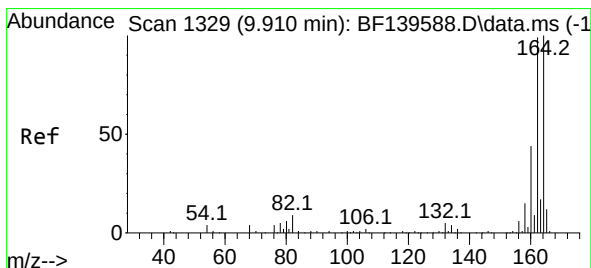
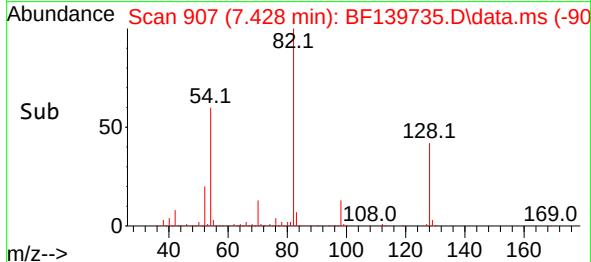
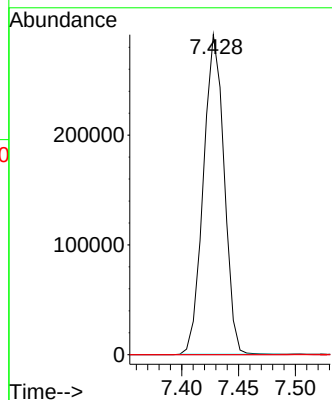
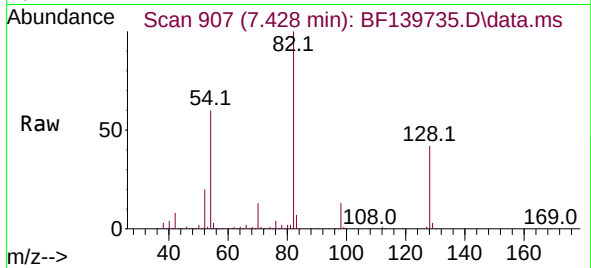




#25
Isophorone
Concen: 37.100 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139735.D
Acq: 09 Oct 2024 21:21

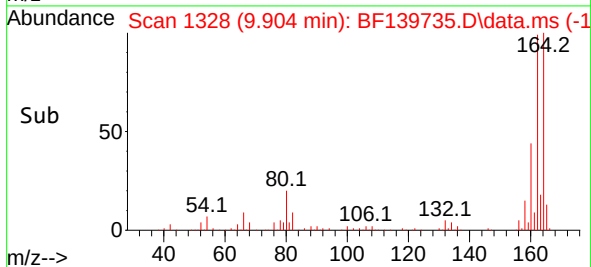
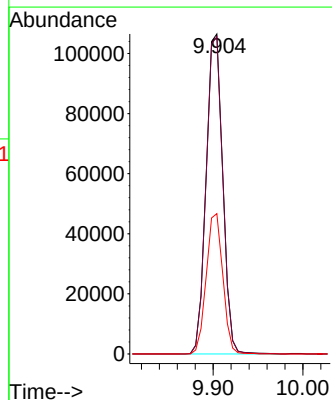
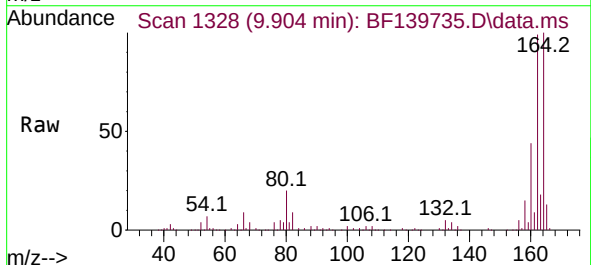
Instrument :
BNA_F
ClientSampleId :
CF-400-COMP-43

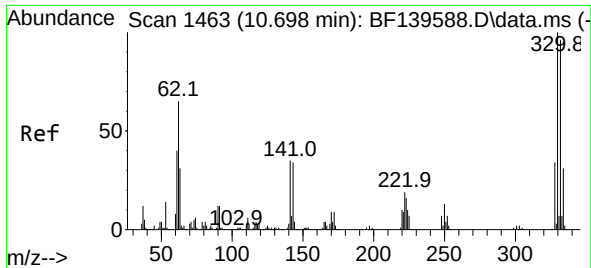
Tgt Ion: 82 Resp: 369757
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF139735.D
Acq: 09 Oct 2024 21:21

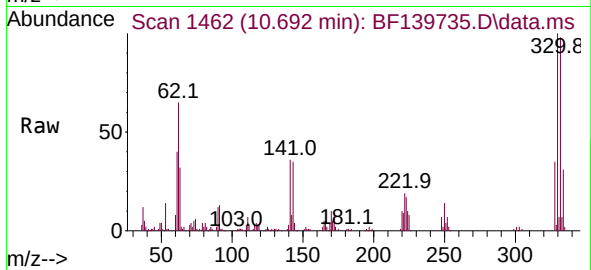
Tgt Ion: 164 Resp: 137021
Ion Ratio Lower Upper
164 100
162 99.2 79.4 119.0
160 43.8 35.1 52.7



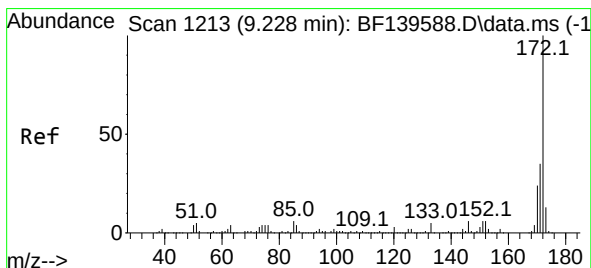
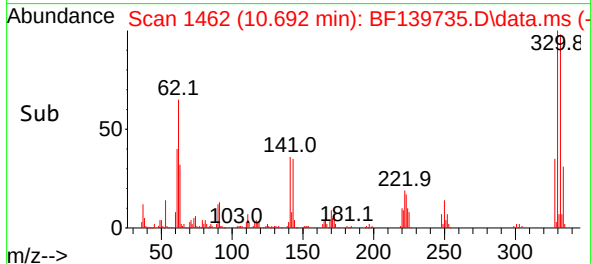
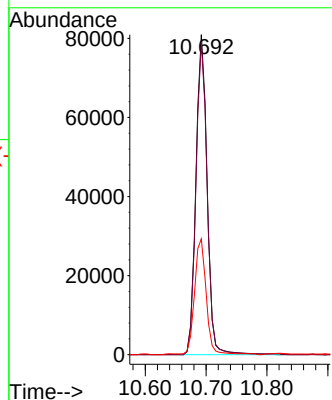


#42
2,4,6-Tribromophenol
Concen: 78.284 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139735.D
Acq: 09 Oct 2024 21:21

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

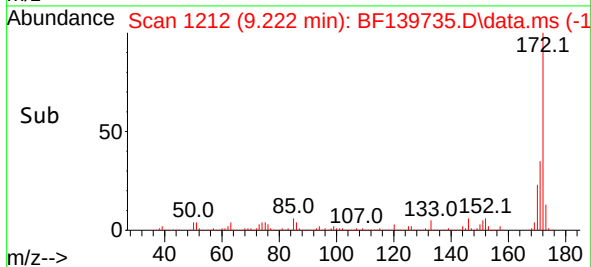
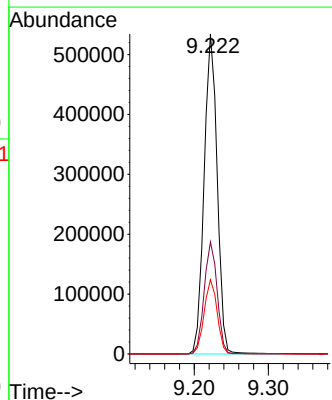
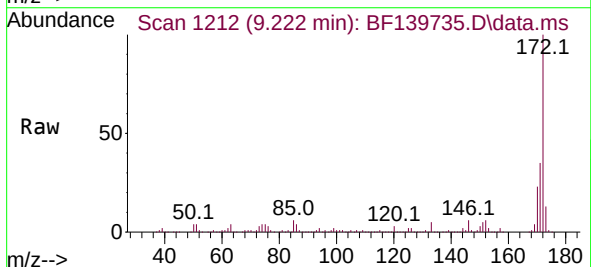


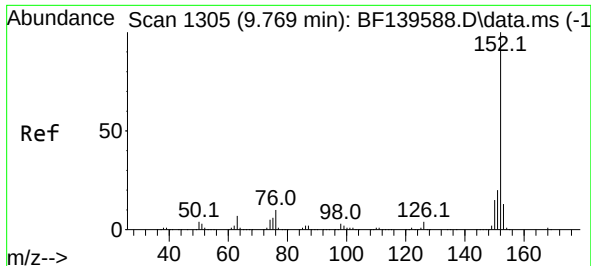
Tgt Ion: 330 Resp: 103547
Ion Ratio Lower Upper
330 100
332 97.4 76.5 114.7
141 37.8 29.3 43.9



#45
2-Fluorobiphenyl
Concen: 73.763 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139735.D
Acq: 09 Oct 2024 21:21

Tgt Ion: 172 Resp: 658365
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 23.2 18.8 28.2





#49

Acenaphthylene

Concen: 3.657 ng

RT: 9.763 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139735.D

Acq: 09 Oct 2024 21:21

Instrument :

BNA_F

ClientSampleId :

CF-400-COMP-43

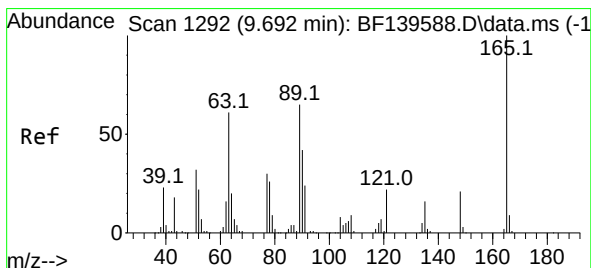
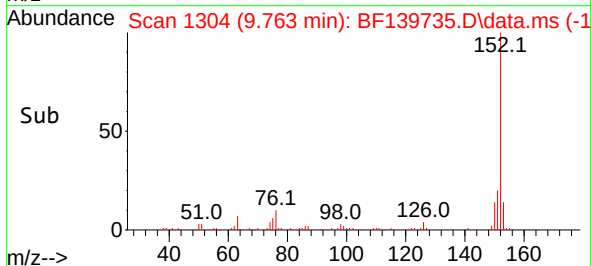
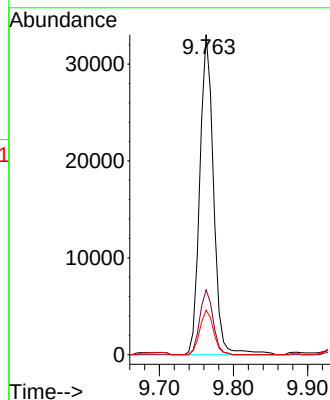
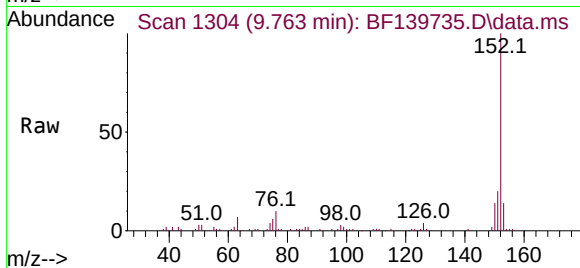
Tgt Ion:152 Resp: 42493

Ion Ratio Lower Upper

152 100

151 20.2 16.0 24.0

153 13.9 10.5 15.7



#51

2,6-Dinitrotoluene

Concen: 9.004 ng

RT: 9.904 min Scan# 1328

Delta R.T. 0.212 min

Lab File: BF139735.D

Acq: 09 Oct 2024 21:21

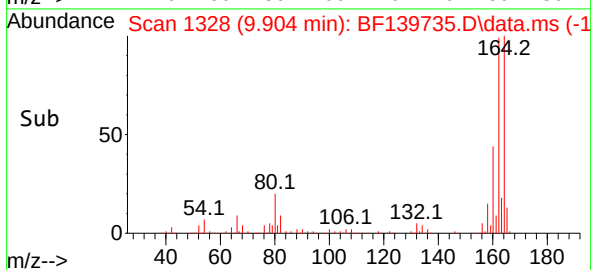
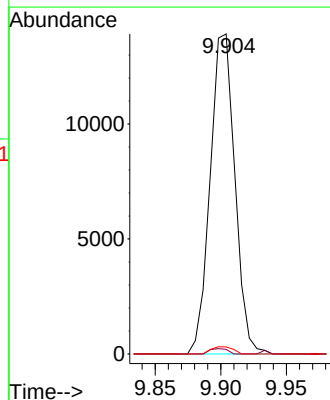
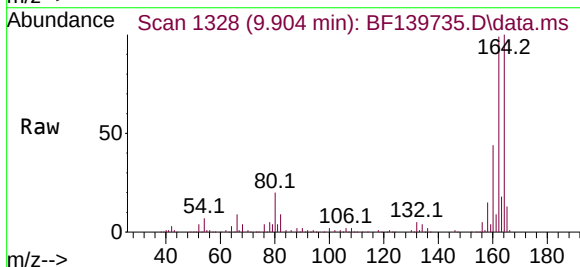
Tgt Ion:165 Resp: 18243

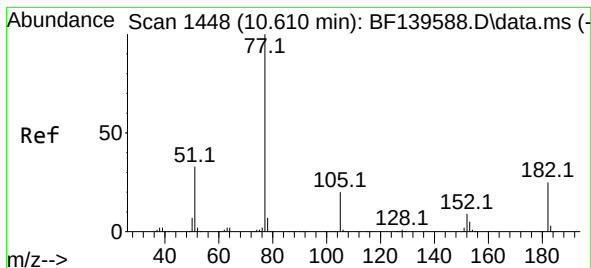
Ion Ratio Lower Upper

165 100

63 1.4 56.7 85.1#

89 2.2 51.6 77.4#

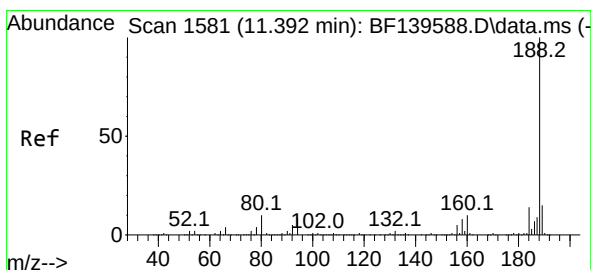
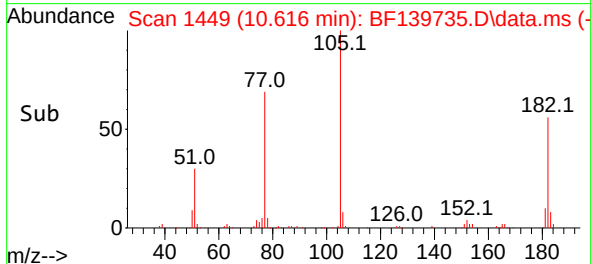
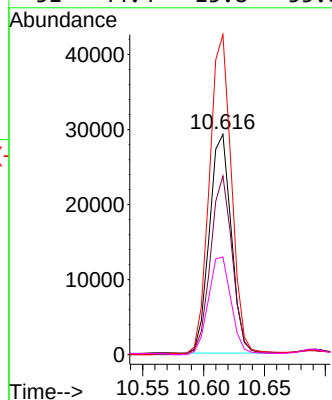
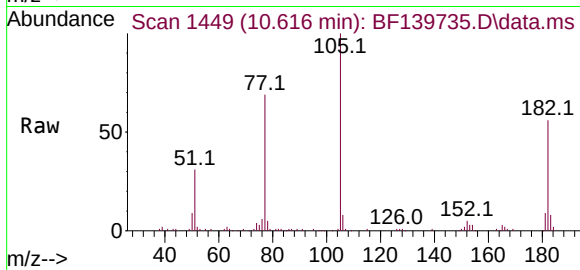




#63
Azobenzene
Concen: 3.910 ng
RT: 10.616 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF139735.D
Acq: 09 Oct 2024 21:21

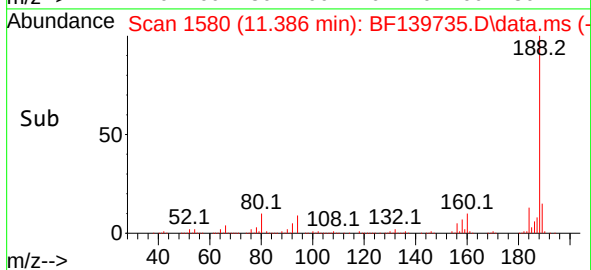
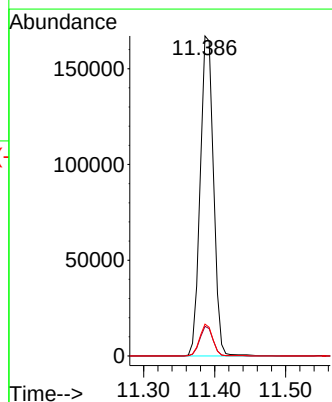
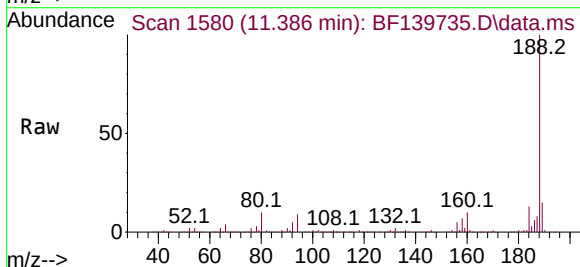
Instrument :
BNA_F
ClientSampleId :
CF-400-COMP-43

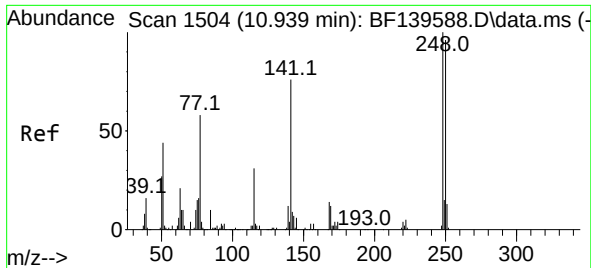
Tgt Ion: 77	Resp: 36432
Ion Ratio	Lower Upper
77 100	
182 81.1	4.2 44.2#
105 145.2	0.0 39.6#
51 44.4	15.8 55.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF139735.D
Acq: 09 Oct 2024 21:21

Tgt Ion: 188	Resp: 218696
Ion Ratio	Lower Upper
188 100	
94 9.3	7.4 11.2
80 9.9	8.2 12.2

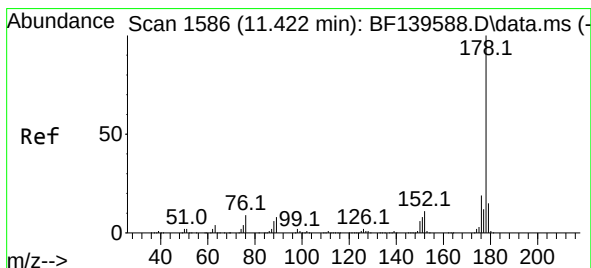
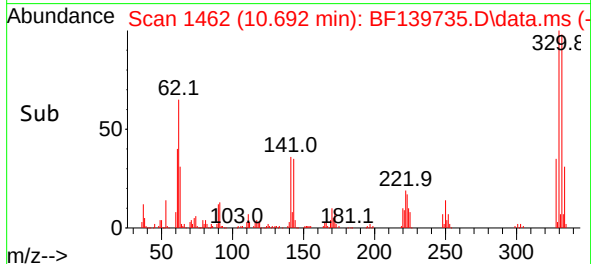
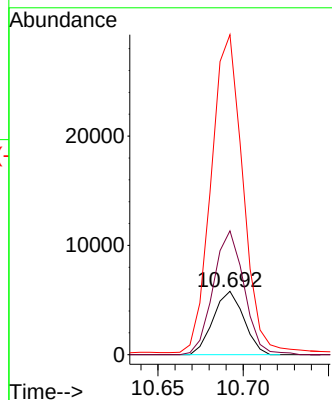
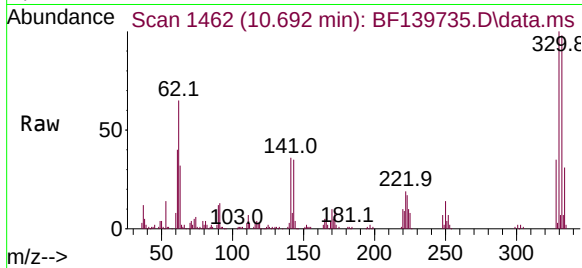




#67
4-Bromophenyl-phenylether
Concen: 3.236 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.247 min
Lab File: BF139735.D
Acq: 09 Oct 2024 21:21

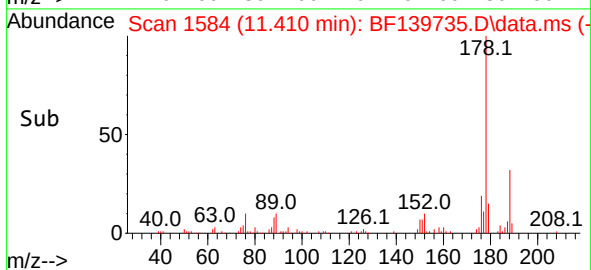
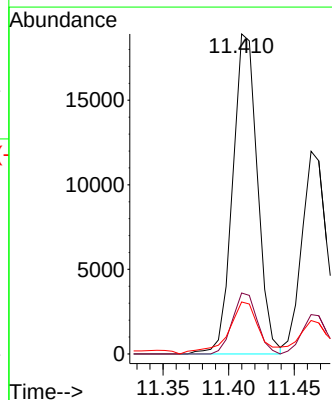
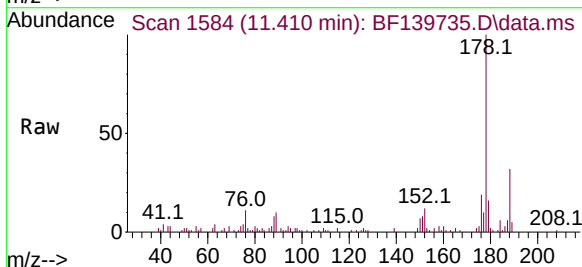
Instrument :
BNA_F
ClientSampleId :
CF-400-COMP-43

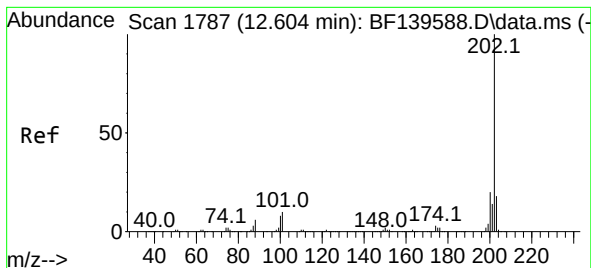
Tgt Ion:248 Resp: 7257
Ion Ratio Lower Upper
248 100
250 195.7 77.1 115.7#
141 505.3 60.4 90.6#



#71
Phenanthrene
Concen: 2.409 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF139735.D
Acq: 09 Oct 2024 21:21

Tgt Ion:178 Resp: 24844
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 16.3 12.3 18.5





#75

Fluoranthene

Concen: 5.514 ng

RT: 12.604 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139735.D

Acq: 09 Oct 2024 21:21

Instrument :

BNA_F

ClientSampleId :

CF-400-COMP-43

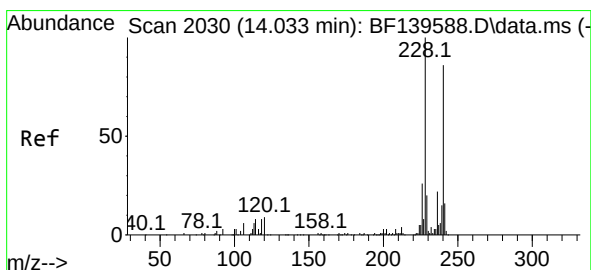
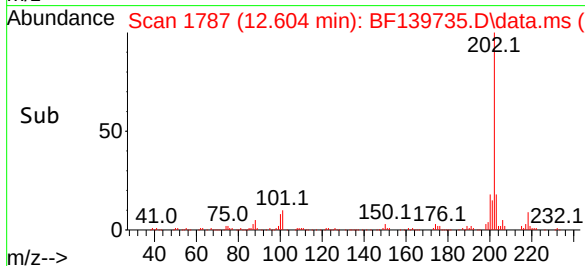
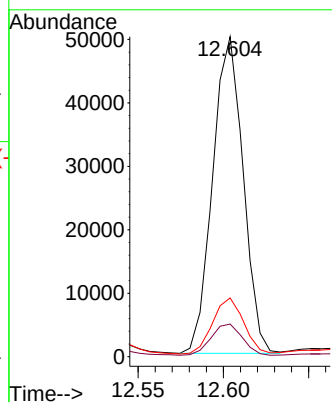
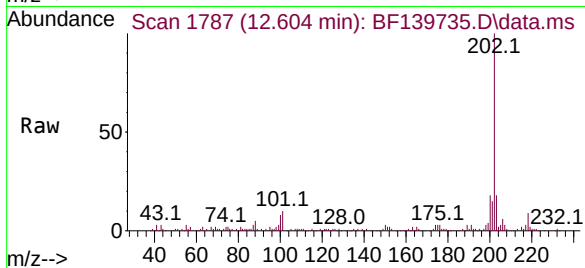
Tgt Ion:202 Resp: 62156

Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.2

203 18.3 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: BF139735.D

Acq: 09 Oct 2024 21:21

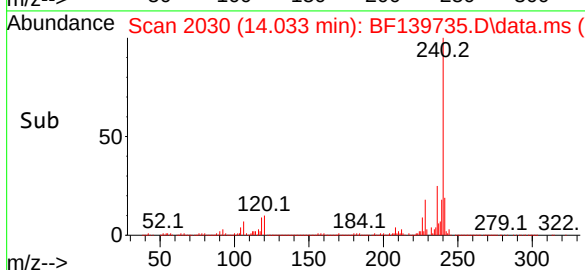
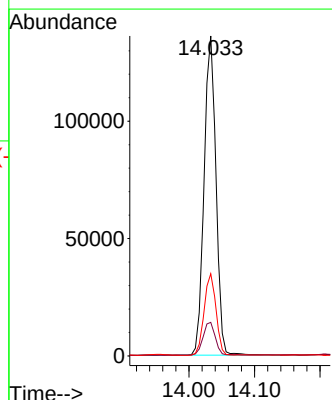
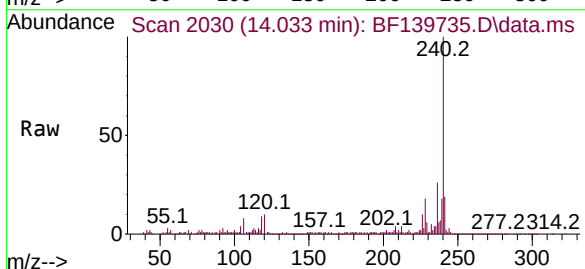
Tgt Ion:240 Resp: 171810

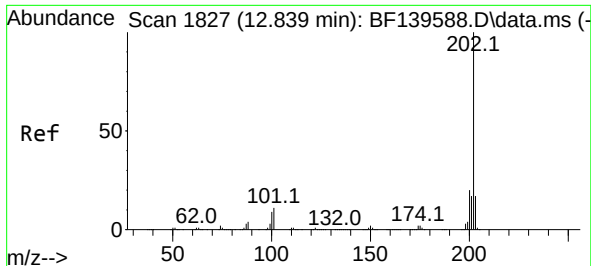
Ion Ratio Lower Upper

240 100

120 10.5 8.4 12.6

236 25.7 20.3 30.5

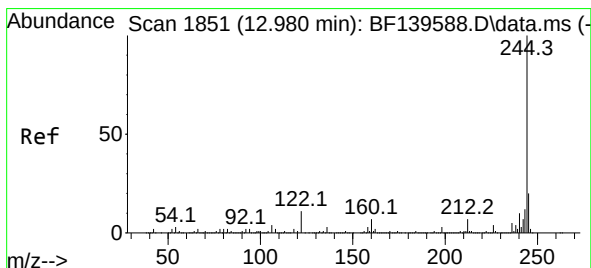
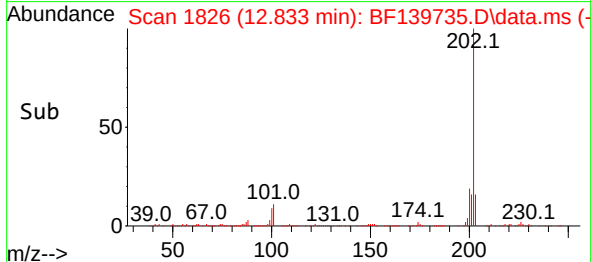
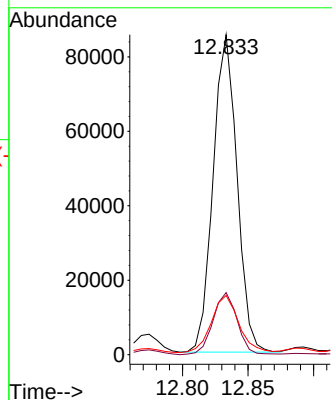
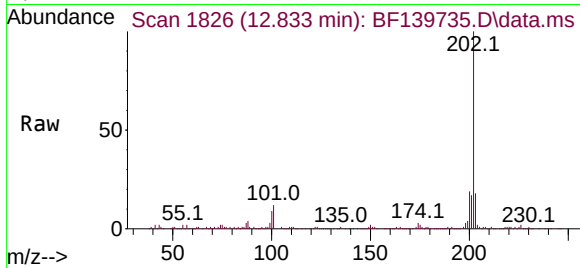




#78
 Pyrene
 Concen: 7.032 ng
 RT: 12.833 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: BF139735.D
 Acq: 09 Oct 2024 21:21

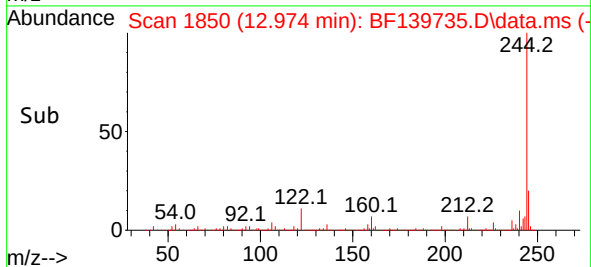
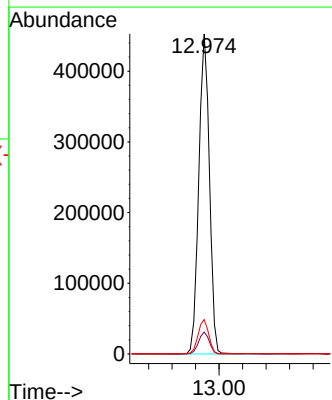
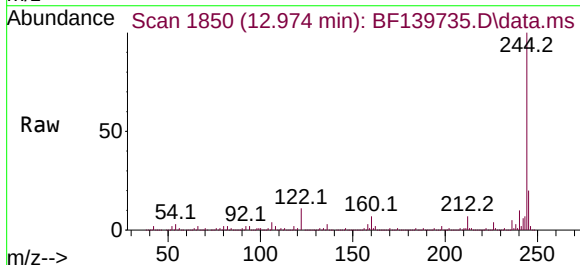
Instrument :
 BNA_F
 ClientSampleId :
 CF-400-COMP-43

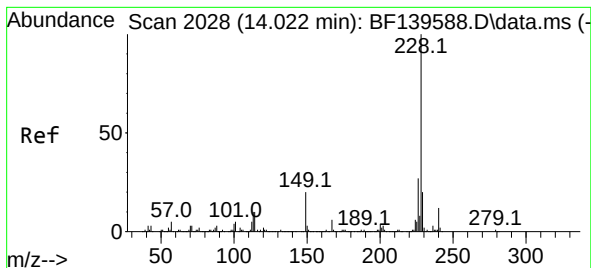
Tgt Ion:202 Resp: 108060
 Ion Ratio Lower Upper
 202 100
 200 19.4 15.8 23.6
 203 18.5 13.8 20.8



#79
 Terphenyl-d14
 Concen: 54.143 ng
 RT: 12.974 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: BF139735.D
 Acq: 09 Oct 2024 21:21

Tgt Ion:244 Resp: 566926
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 10.7 8.6 12.8





#81

Benzo(a)anthracene

Concen: 5.334 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.035 min

Lab File: BF139735.D

Acq: 09 Oct 2024 21:21

Instrument :

BNA_F

ClientSampleId :

CF-400-COMP-43

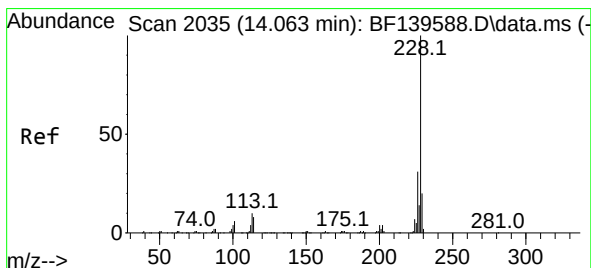
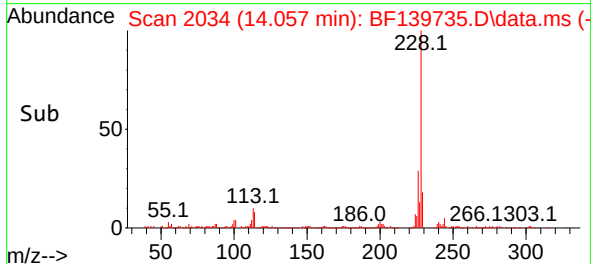
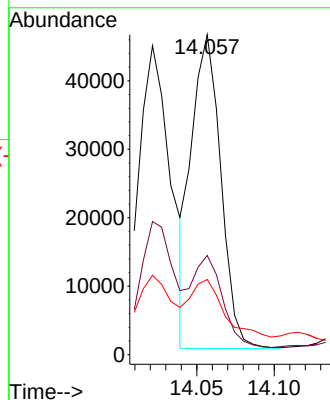
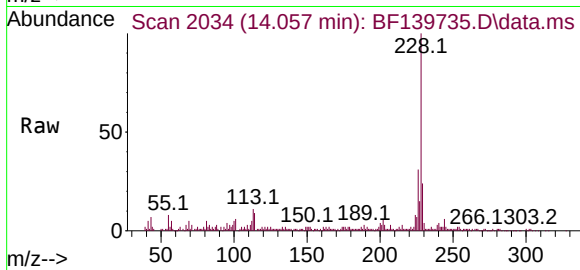
Tgt Ion:228 Resp: 60254

Ion Ratio Lower Upper

228 100

226 31.0 21.8 32.8

229 23.5 15.8 23.8



#83

Chrysene

Concen: 5.834 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF139735.D

Acq: 09 Oct 2024 21:21

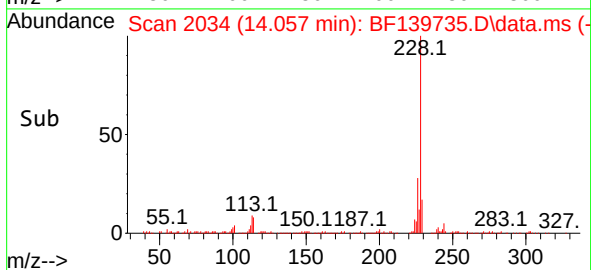
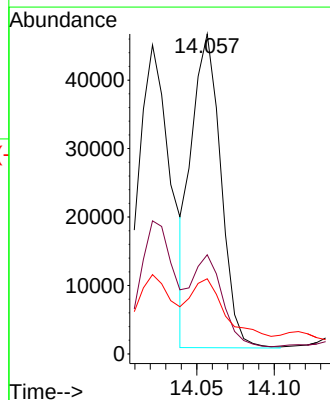
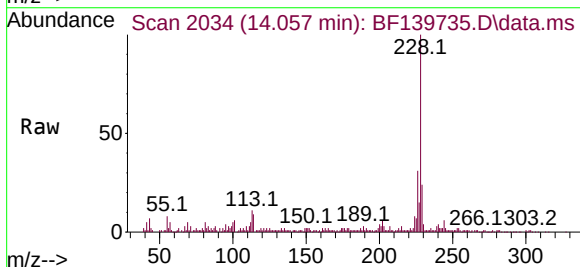
Tgt Ion:228 Resp: 60254

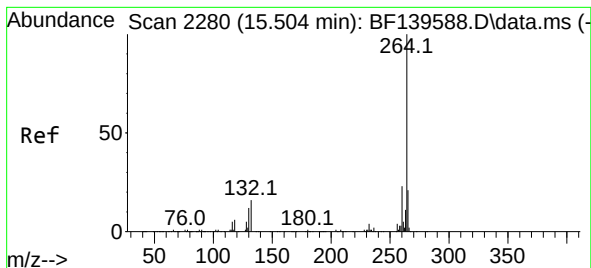
Ion Ratio Lower Upper

228 100

226 31.0 24.3 36.5

229 23.5 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139735.D

Acq: 09 Oct 2024 21:21

Instrument :

BNA_F

ClientSampleId :

CF-400-COMP-43

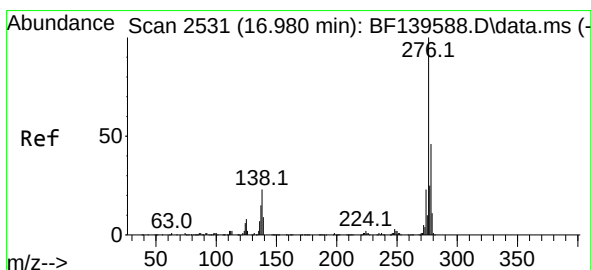
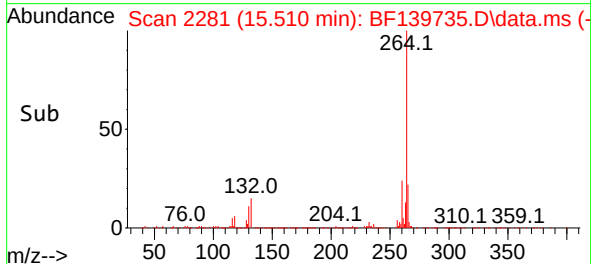
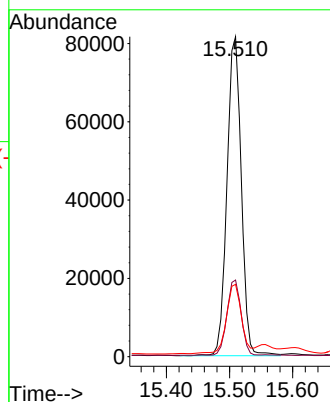
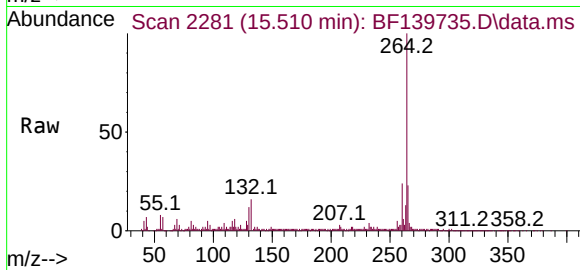
Tgt Ion:264 Resp: 128240

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 22.6 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.322 ng

RT: 16.980 min Scan# 2531

Delta R.T. -0.000 min

Lab File: BF139735.D

Acq: 09 Oct 2024 21:21

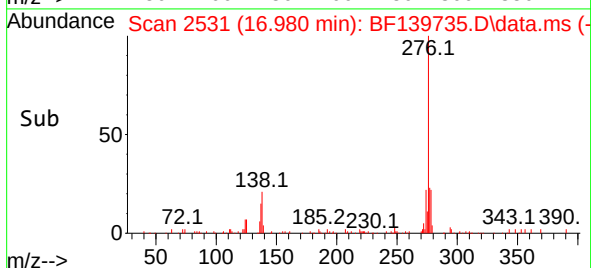
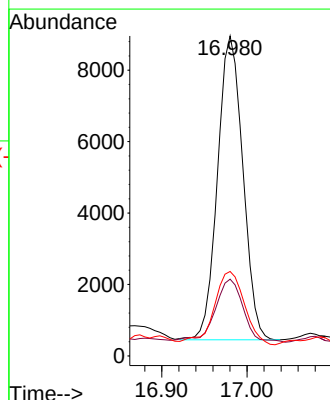
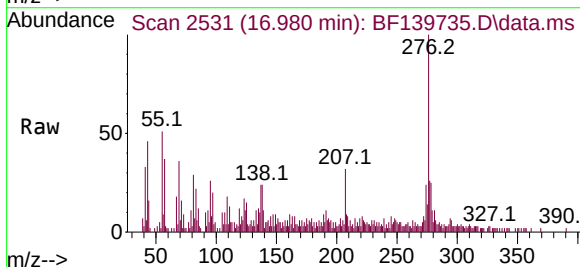
Tgt Ion:276 Resp: 17526

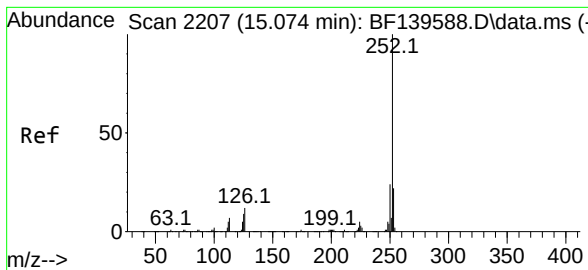
Ion Ratio Lower Upper

276 100

138 23.4 19.4 29.0

277 29.0 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 8.143 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.000 min

Lab File: BF139735.D

Acq: 09 Oct 2024 21:21

Instrument :

BNA_F

ClientSampleId :

CF-400-COMP-43

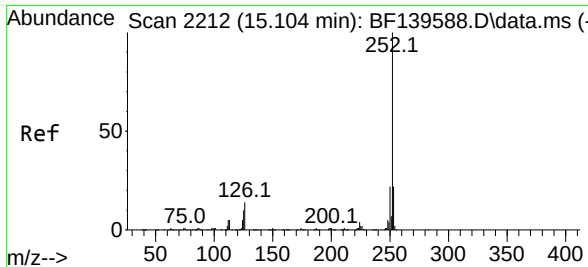
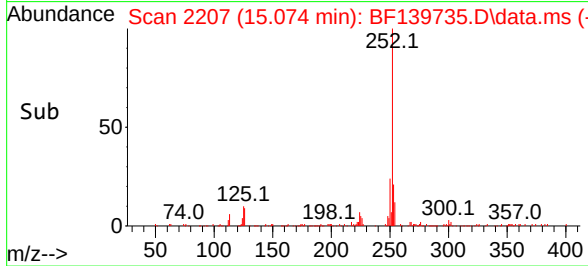
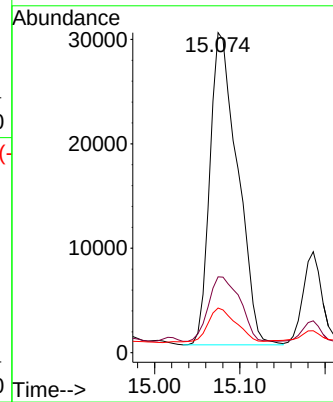
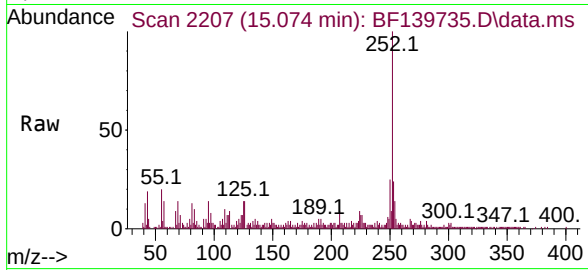
Tgt Ion:252 Resp: 67522

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

125 14.0 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 9.600 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.029 min

Lab File: BF139735.D

Acq: 09 Oct 2024 21:21

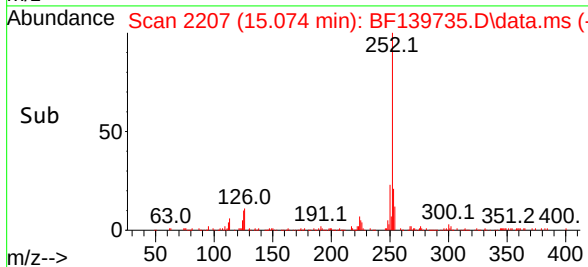
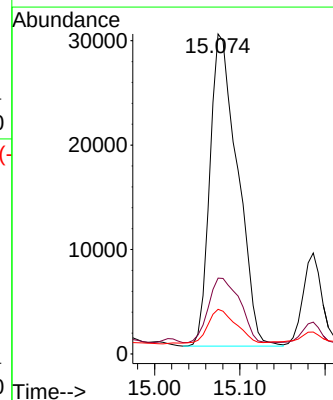
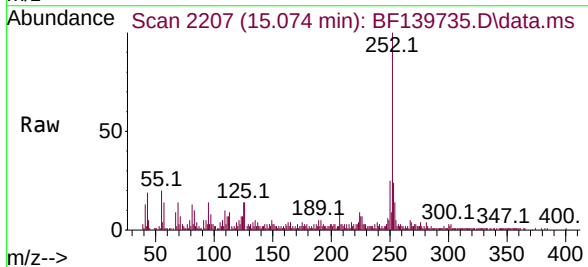
Tgt Ion:252 Resp: 67522

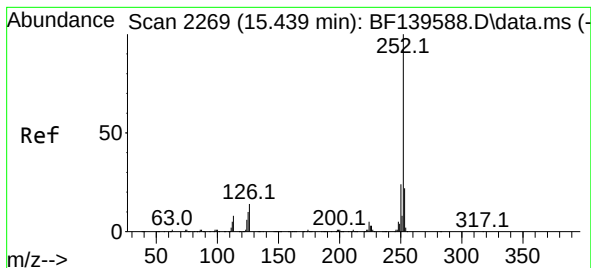
Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 14.0 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 5.528 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139735.D

Acq: 09 Oct 2024 21:21

Instrument :

BNA_F

ClientSampleId :

CF-400-COMP-43

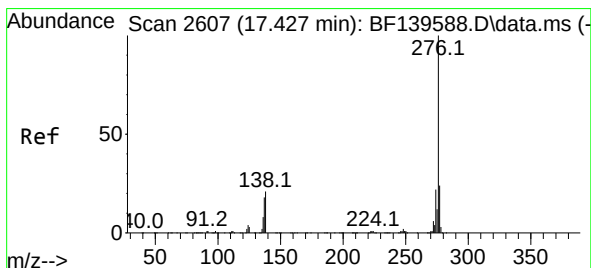
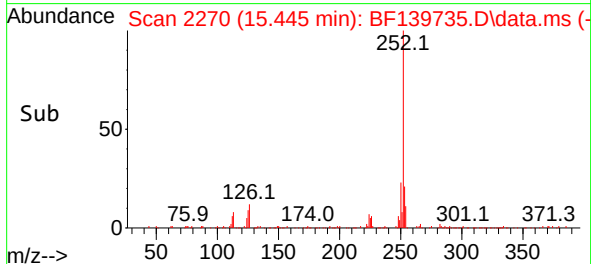
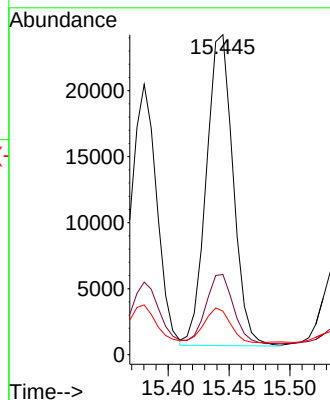
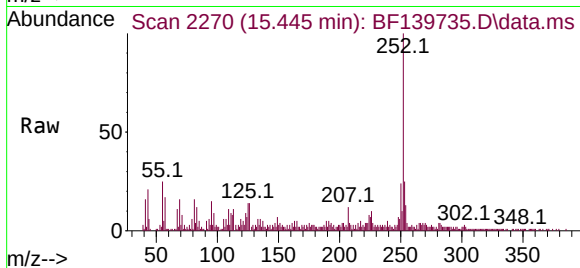
Tgt Ion:252 Resp: 36144

Ion Ratio Lower Upper

252 100

253 25.0 17.3 25.9

125 13.6 8.3 12.5#



#92

Benzo(g,h,i)perylene

Concen: 3.264 ng

RT: 17.427 min Scan# 2607

Delta R.T. -0.000 min

Lab File: BF139735.D

Acq: 09 Oct 2024 21:21

Tgt Ion:276 Resp: 20495

Ion Ratio Lower Upper

276 100

277 26.2 19.0 28.6

138 25.2 17.0 25.6

