

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101924\
 Data File : BF139884.D
 Acq On : 19 Oct 2024 21:06
 Operator : RC/JU
 Sample : P4426-33
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAD-17

Quant Time: Oct 21 01:44:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

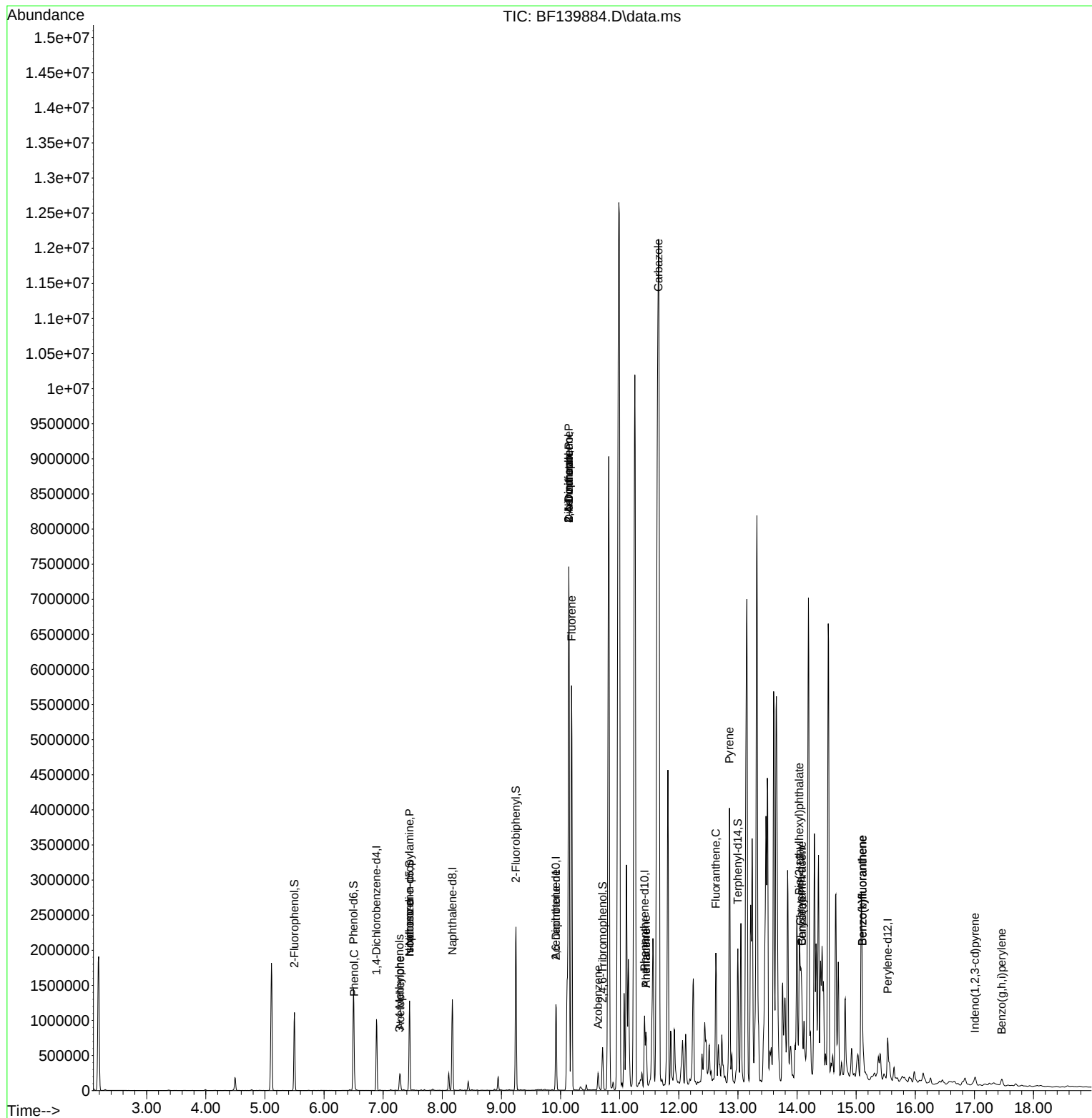
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	203314	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	753115	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	357579	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	505963	20.000	ng	0.00
76) Chrysene-d12	14.057	240	403624	20.000	ng	0.00
86) Perylene-d12	15.533	264	349762	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	386006	29.722	ng	0.00
7) Phenol-d6	6.498	99	625688	37.198	ng	-0.01
23) Nitrobenzene-d5	7.445	82	518745	38.176	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	81015	24.222	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	984845	45.519	ng	0.00
79) Terphenyl-d14	12.998	244	860475	34.738	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.510	94	76132	4.390	ng	86
19) n-Nitroso-di-n-propyla...	7.445	70	70463	6.907	ng	# 78
20) 3+4-Methylphenols	7.275	107	64288	4.440	ng	# 83
22) Acetophenone	7.287	105	56659	3.072	ng	# 96
25) Isophorone	7.445	82	517260	20.056	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	49054	10.172	ng	# 21
54) 2,4-Dinitrophenol	10.139	184	19880	15.640	ng	# 1
55) Dibenzofuran	10.139	168	362878	13.489	ng	# 73
56) 4-Nitrophenol	10.139	139	74835	19.559	ng	# 1
57) 2,4-Dinitrotoluene	10.139	165	988354	166.658	ng	# 41
58) Fluorene	10.186	166	259365	12.658	ng	# 1
63) Azobenzene	10.633	77	56769	2.449	ng	# 1
71) Phenanthrene	11.445	178	350685	14.673	ng	99
72) Anthracene	11.445	178	350685	15.039	ng	99
73) Carbazole	11.657	167	155625	7.176	ng	# 1
75) Fluoranthene	12.627	202	646070	26.741	ng	99
78) Pyrene	12.857	202	273250	7.734	ng	98
81) Benzo(a)anthracene	14.080	228	537014	20.439	ng	96
83) Chrysene	14.080	228	537014	22.291	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	34323	2.888	ng	# 28
87) Indeno(1,2,3-cd)pyrene	17.009	276	77207	3.431	ng	94
88) Benzo(b)fluoranthene	15.104	252	629222	29.533	ng	98
89) Benzo(k)fluoranthene	15.104	252	629222	34.244	ng	98
92) Benzo(g,h,i)perylene	17.462	276	63570	3.390	ng	99

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

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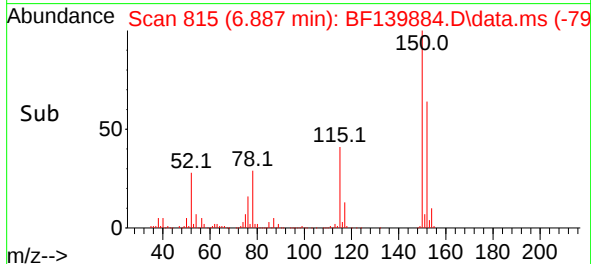
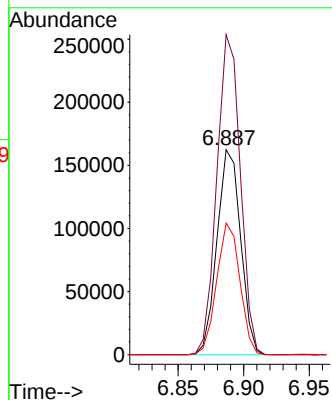
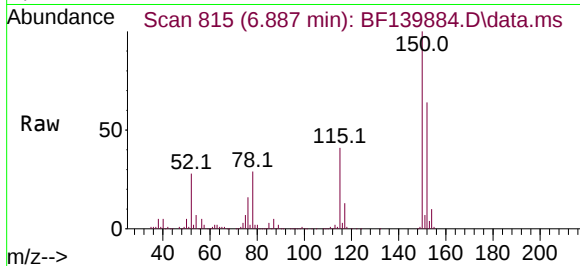




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

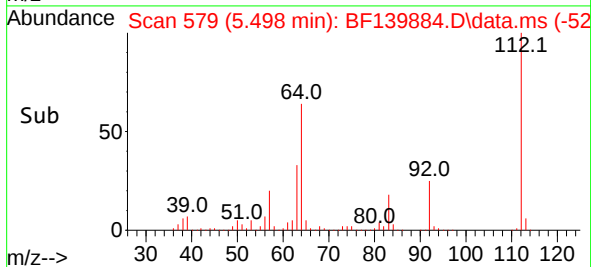
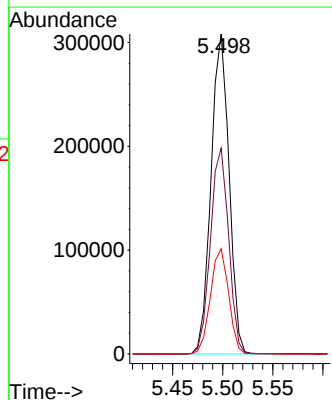
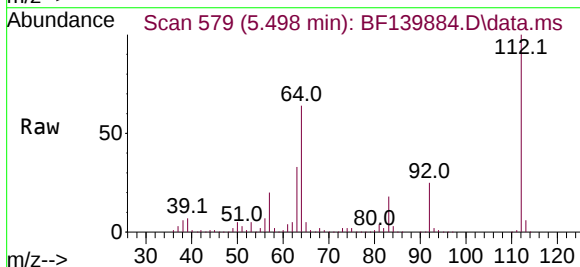
Instrument :
BNA_F
ClientSampleId :
PAD-17

Tgt Ion:152 Resp: 203314
Ion Ratio Lower Upper
152 100
150 156.1 130.2 195.2
115 64.2 51.4 77.2



#5
2-Fluorophenol
Concen: 29.722 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

Tgt Ion:112 Resp: 386006
Ion Ratio Lower Upper
112 100
64 64.3 53.0 79.6
63 32.9 27.0 40.4

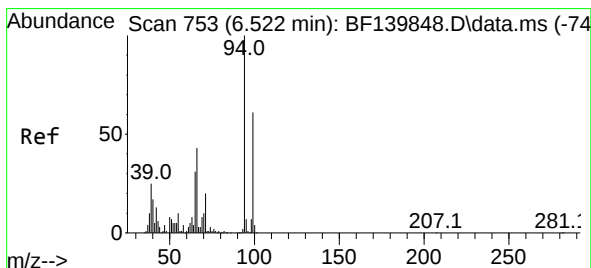
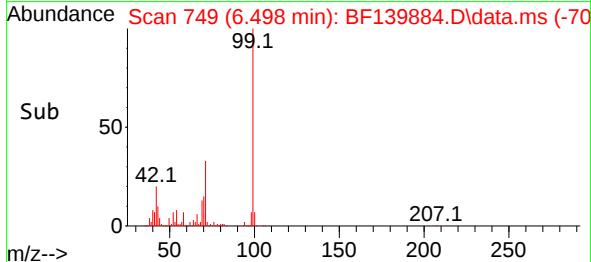
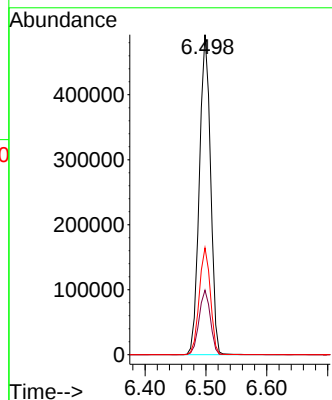
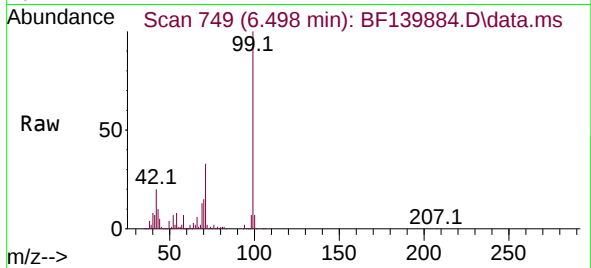




#7
Phenol-d6
Concen: 37.198 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

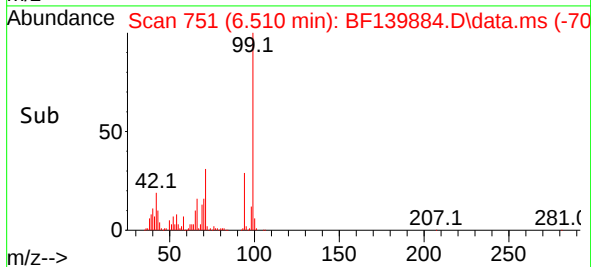
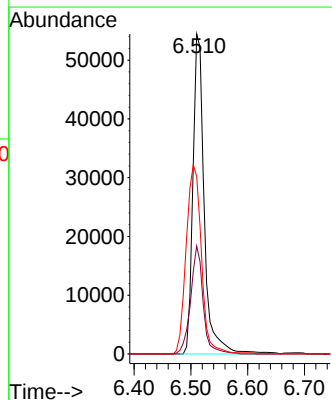
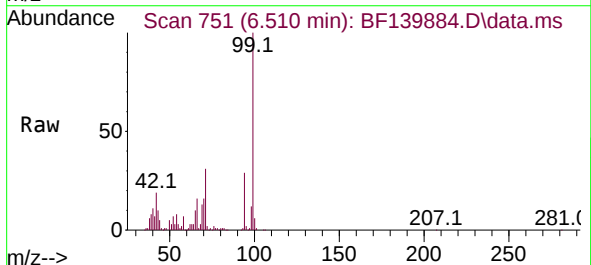
Instrument :
BNA_F
ClientSampleId :
PAD-17

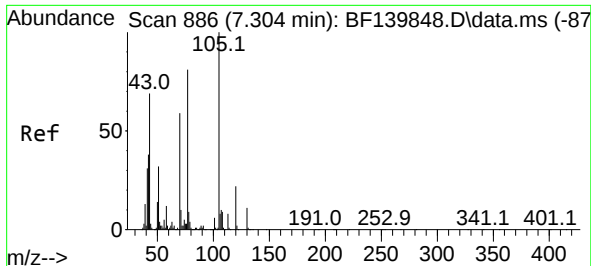
Tgt Ion: 99 Resp: 625688
Ion Ratio Lower Upper
99 100
42 20.2 16.7 25.1
71 33.4 27.7 41.5



#10
Phenol
Concen: 4.390 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

Tgt Ion: 94 Resp: 76132
Ion Ratio Lower Upper
94 100
65 33.8 11.1 51.1
66 55.5 22.7 62.7

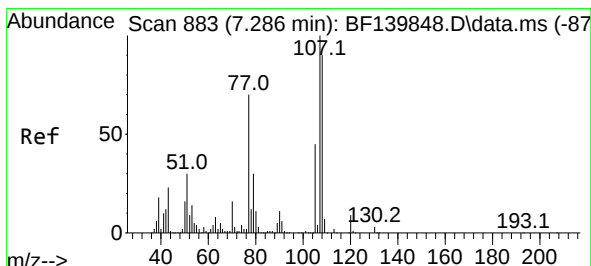
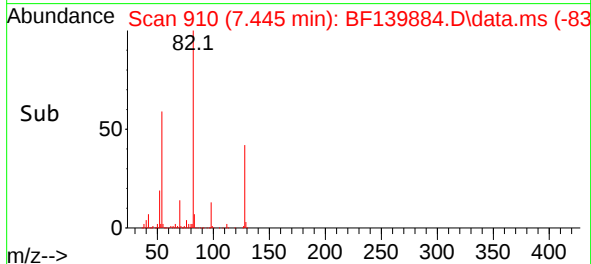
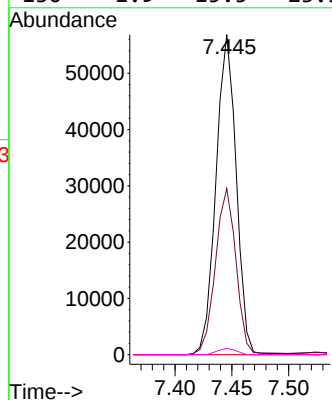
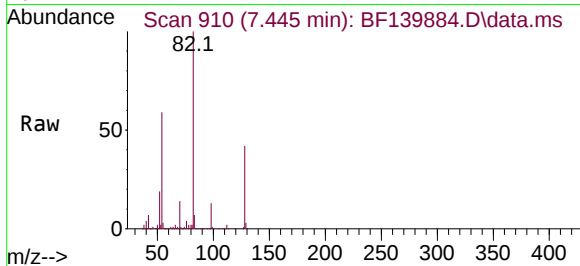




#19
n-Nitroso-di-n-propylamine
Concen: 6.907 ng
RT: 7.445 min Scan# 91
Delta R.T. 0.141 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

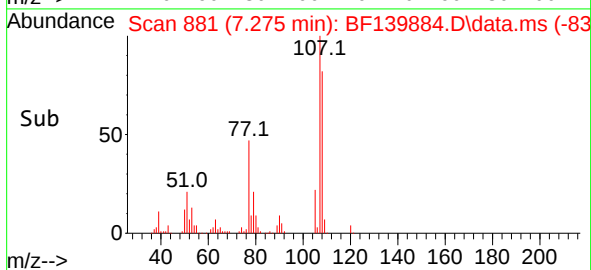
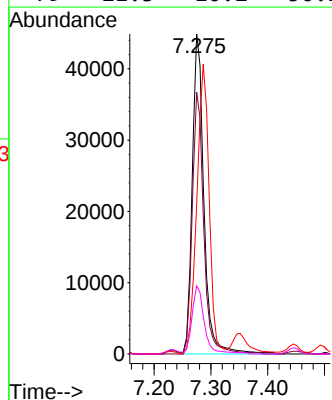
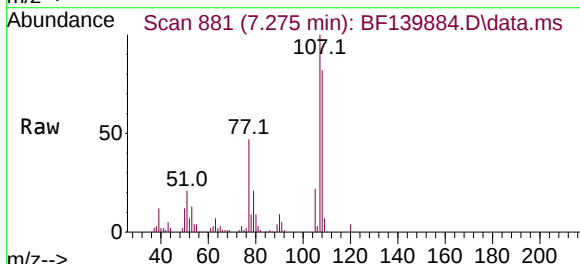
Instrument :
BNA_F
ClientSampleId :
PAD-17

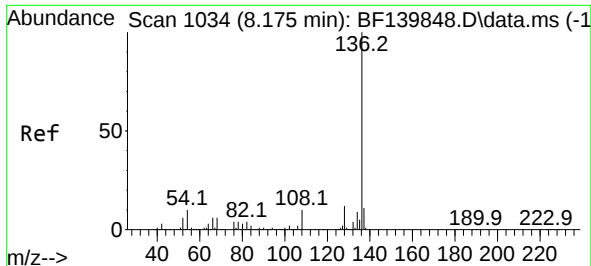
Tgt Ion:	70	Resp:	70463
Ion	Ratio	Lower	Upper
70	100		
42	51.9	51.5	77.3
101	0.0	7.5	11.3#
130	1.9	15.5	23.3#



#20
3+4-Methylphenols
Concen: 4.440 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

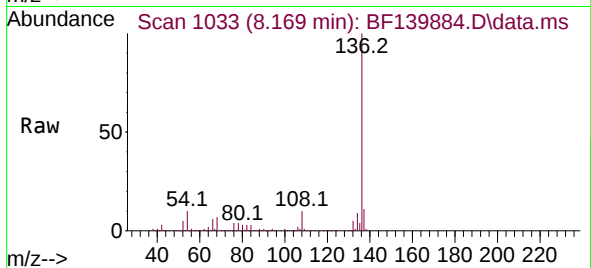
Tgt Ion:	107	Resp:	64288
Ion	Ratio	Lower	Upper
107	100		
108	81.8	69.8	109.8
77	46.6	50.5	90.5#
79	21.3	10.2	50.2



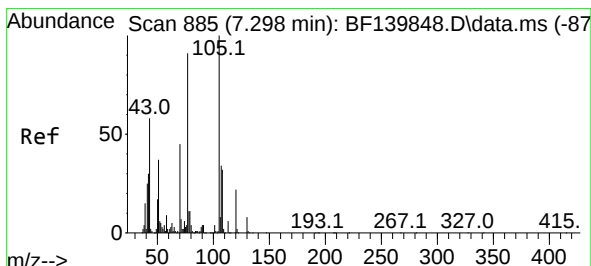
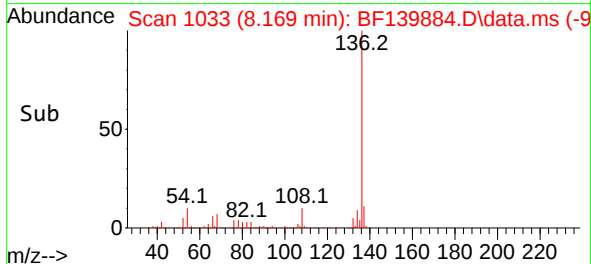
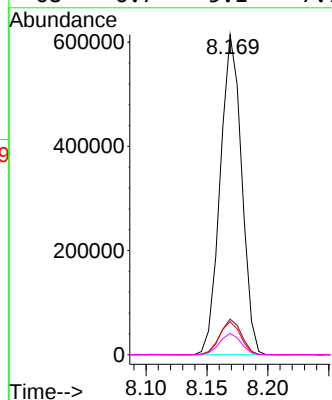


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

Instrument :
BNA_F
ClientSampleId :
PAD-17

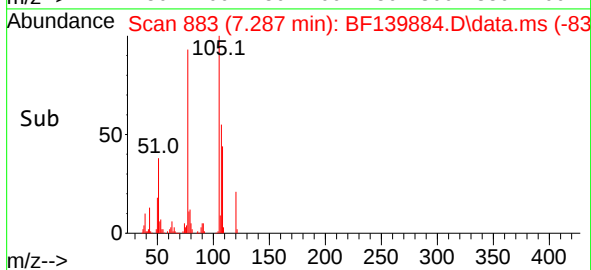
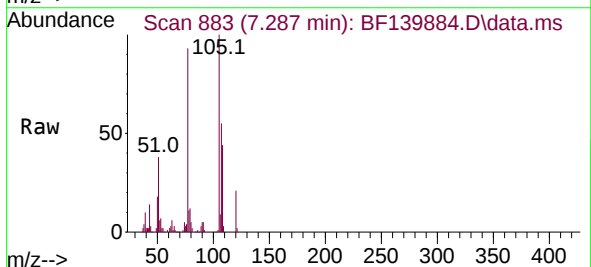
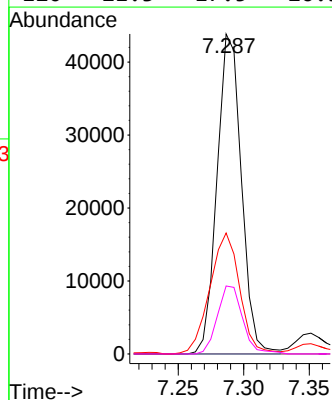


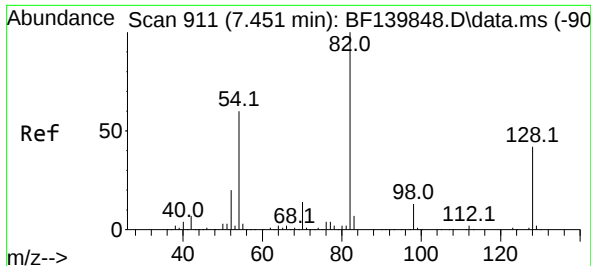
Tgt Ion:	136	Resp:	753115
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	10.3	8.4	12.6
68	6.7	5.1	7.7



#22
Acetophenone
Concen: 3.072 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

Tgt Ion:	105	Resp:	56659
Ion	Ratio	Lower	Upper
105	100		
71	0.0	5.9	8.9#
51	37.8	29.4	44.2
120	21.3	17.5	26.3

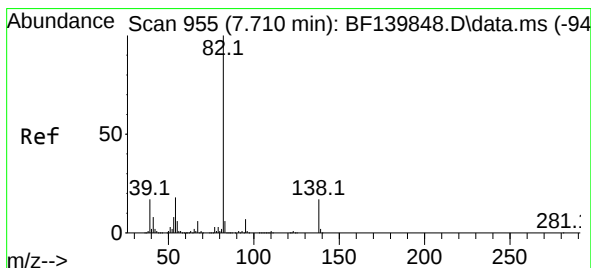
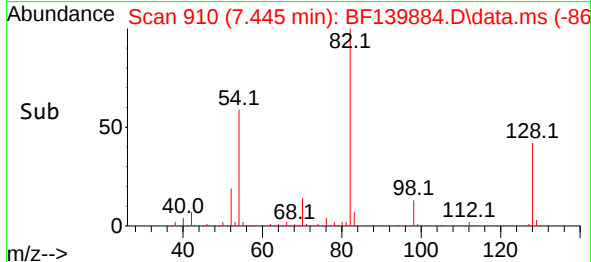
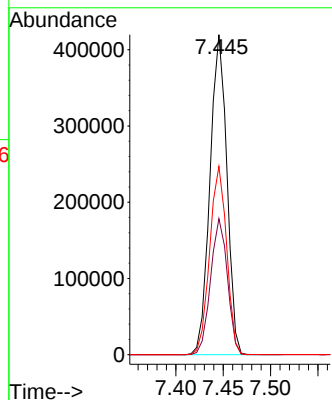
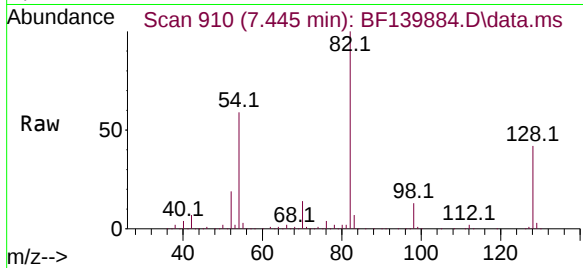




#23
Nitrobenzene-d5
Concen: 38.176 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

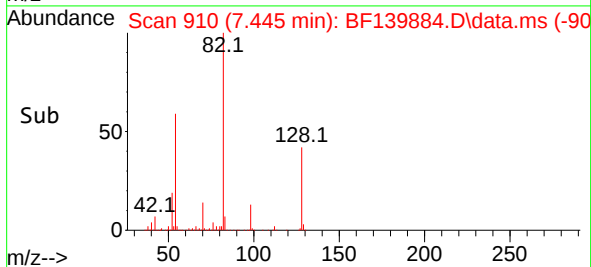
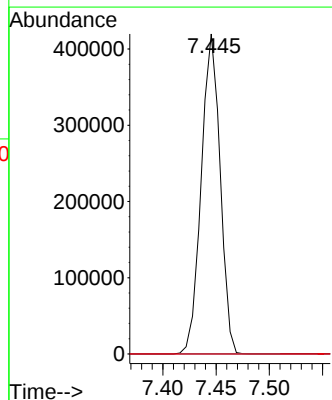
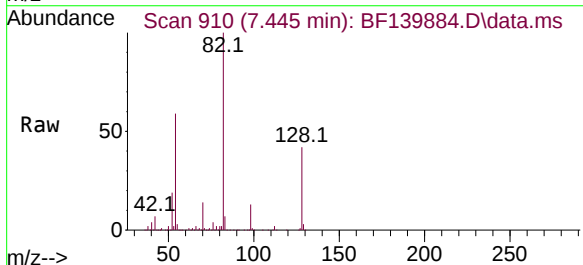
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ClientSampleId :
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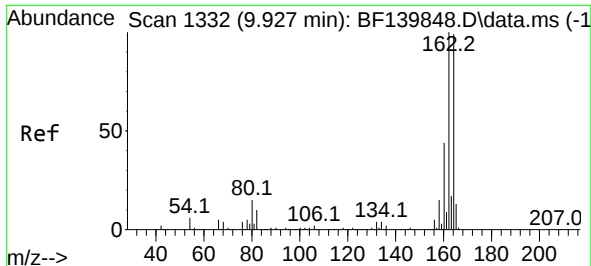
Tgt Ion: 82 Resp: 518745
Ion Ratio Lower Upper
82 100
128 42.5 33.4 50.0
54 58.9 47.8 71.8



#25
Isophorone
Concen: 20.056 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

Tgt Ion: 82 Resp: 517260
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#

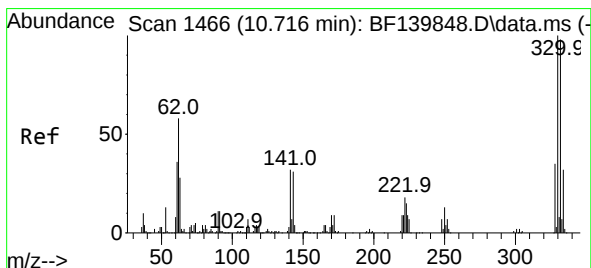
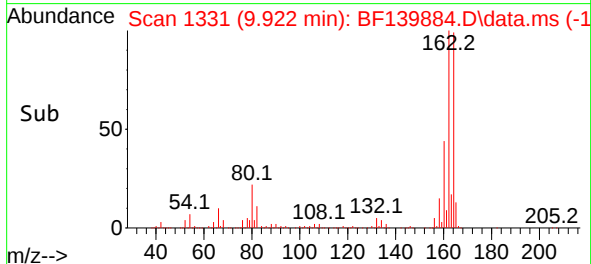
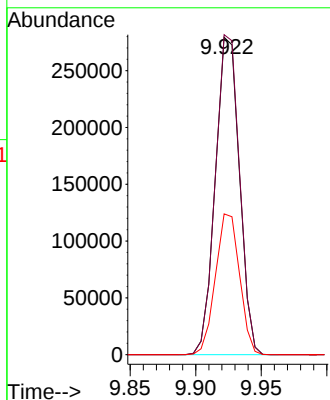
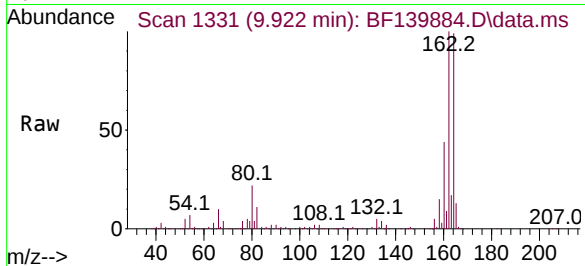




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

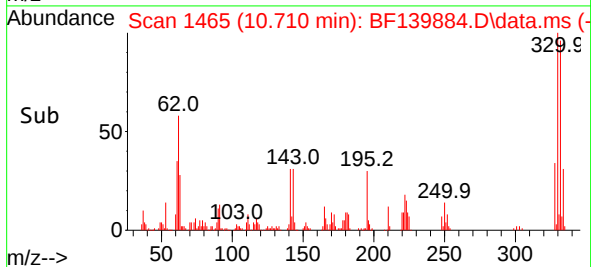
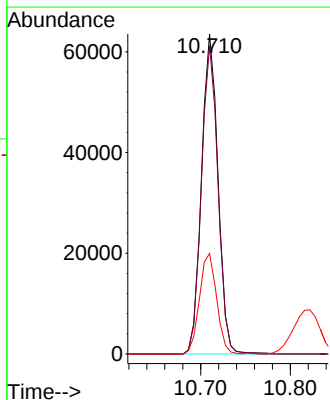
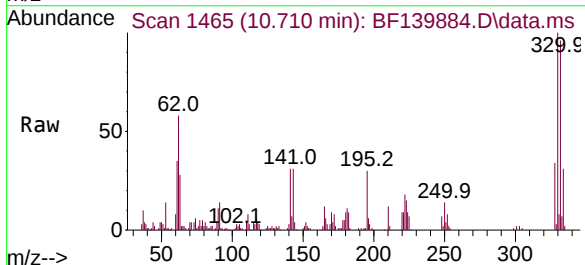
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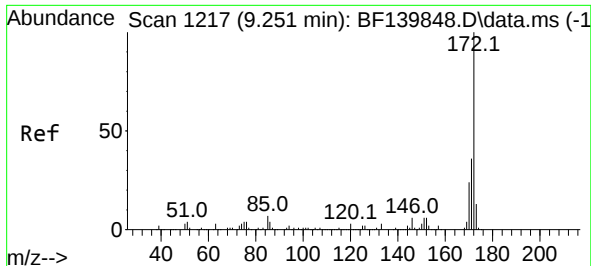
Tgt Ion:164 Resp: 357579
Ion Ratio Lower Upper
164 100
162 100.8 81.0 121.4
160 44.3 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 24.222 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

Tgt Ion:330 Resp: 81015
Ion Ratio Lower Upper
330 100
332 96.2 78.1 117.1
141 32.6 26.6 39.8

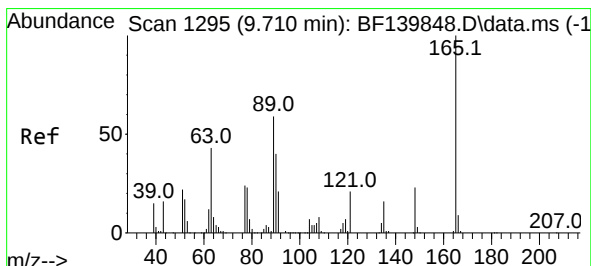
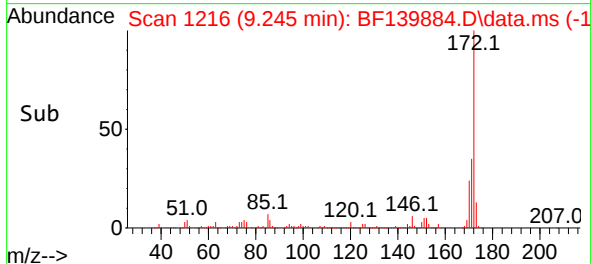
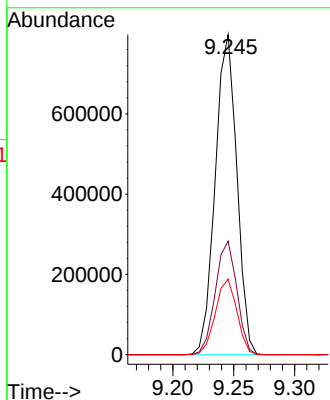
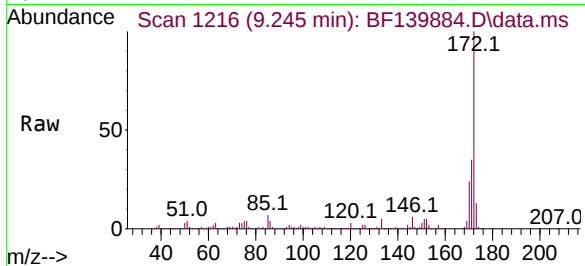




#45
2-Fluorobiphenyl
Concen: 45.519 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

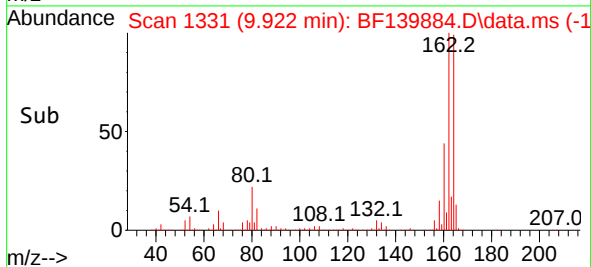
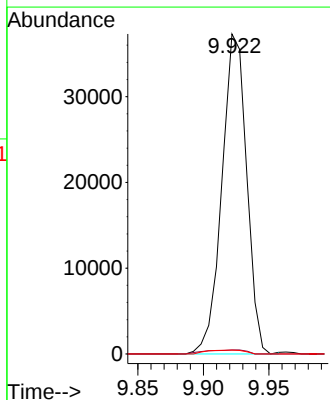
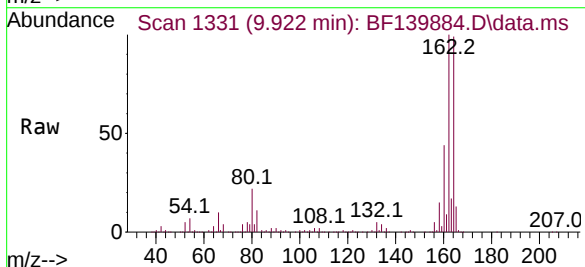
Instrument :
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ClientSampleId :
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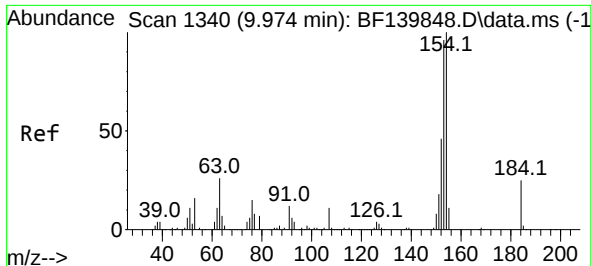
Tgt Ion:172 Resp: 984845
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.6 19.1 28.7



#51
2,6-Dinitrotoluene
Concen: 10.172 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

Tgt Ion:165 Resp: 49054
Ion Ratio Lower Upper
165 100
63 1.2 50.6 75.8#
89 1.2 47.5 71.3#

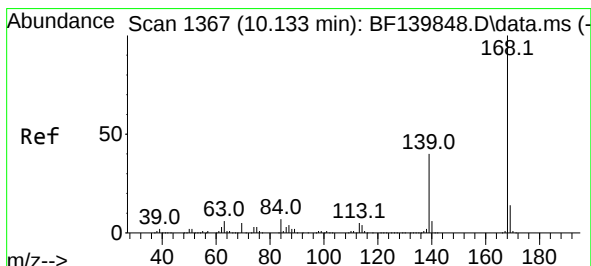
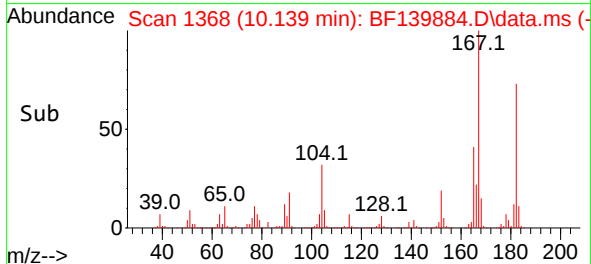
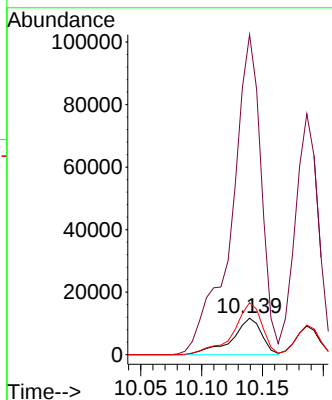
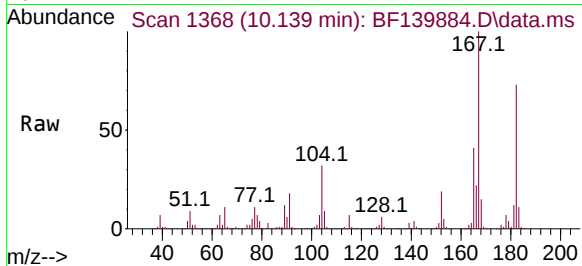




#54
2,4-Dinitrophenol
Concen: 15.640 ng
RT: 10.139 min Scan# 1368
Delta R.T. 0.165 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

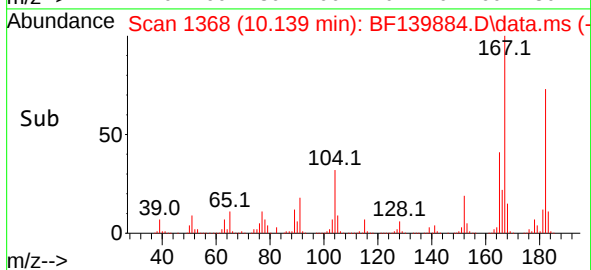
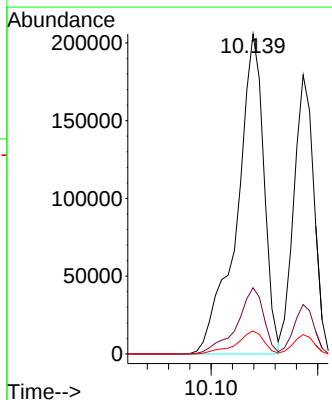
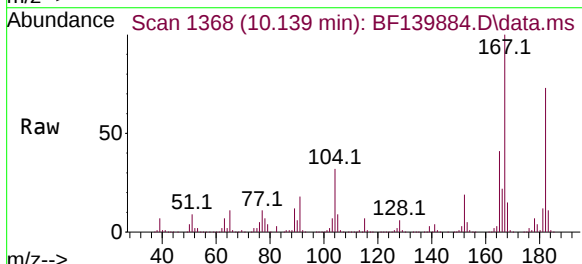
Instrument :
BNA_F
ClientSampleId :
PAD-17

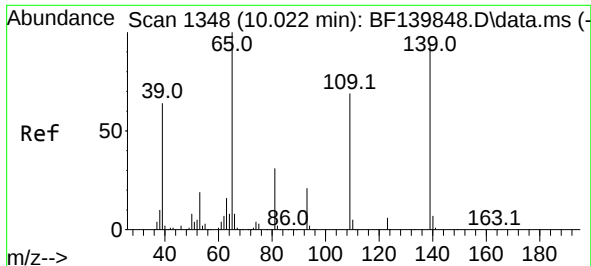
Tgt Ion:184 Resp: 19880
Ion Ratio Lower Upper
184 100
63 875.5 84.7 127.1#
154 142.3 338.2 507.2#



#55
Dibenzofuran
Concen: 13.489 ng
RT: 10.139 min Scan# 1368
Delta R.T. 0.006 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

Tgt Ion:168 Resp: 362878
Ion Ratio Lower Upper
168 100
139 20.7 31.8 47.6#
169 7.2 11.6 17.4#

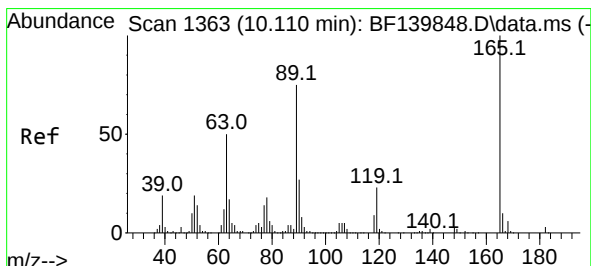
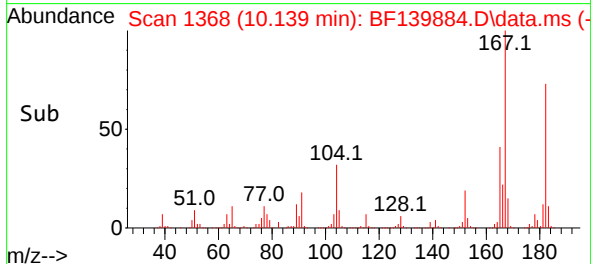
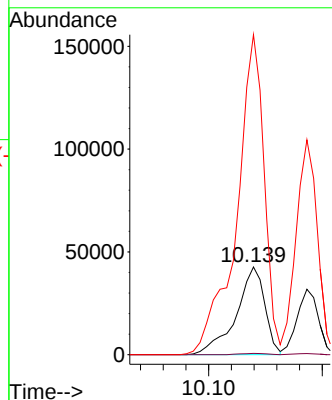
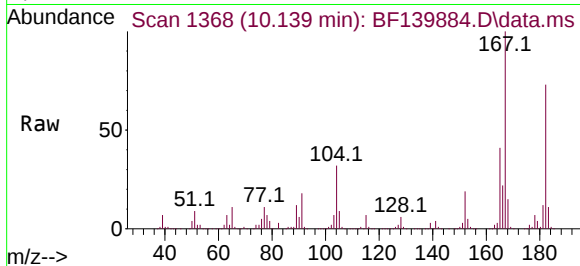




#56
4-Nitrophenol
Concen: 19.559 ng
RT: 10.139 min Scan# 1368
Delta R.T. 0.118 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

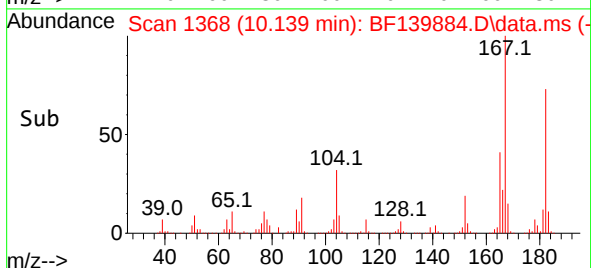
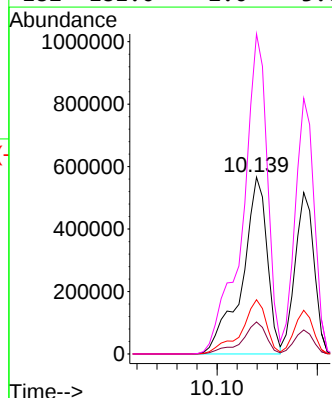
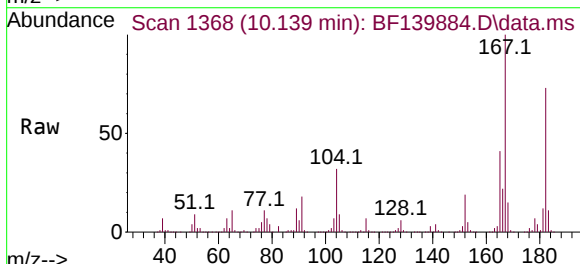
Instrument :
BNA_F
ClientSampleId :
PAD-17

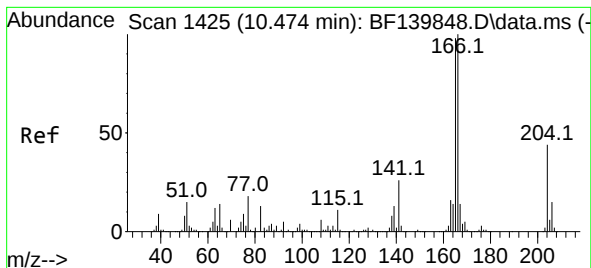
Tgt Ion:139 Resp: 74835
Ion Ratio Lower Upper
139 100
109 1.5 53.6 93.6#
65 365.2 87.8 127.8#



#57
2,4-Dinitrotoluene
Concen: 166.658 ng
RT: 10.139 min Scan# 1368
Delta R.T. 0.030 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

Tgt Ion:165 Resp: 988354
Ion Ratio Lower Upper
165 100
63 18.1 40.1 60.1#
89 30.7 60.4 90.6#
182 181.0 2.0 3.0#





#58

Fluorene

Concen: 12.658 ng

RT: 10.186 min Scan# 1

Delta R.T. -0.288 min

Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

Instrument :

BNA_F

ClientSampleId :

PAD-17

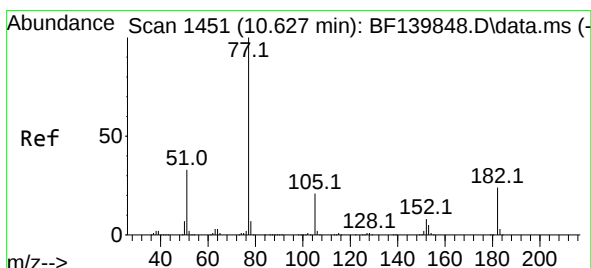
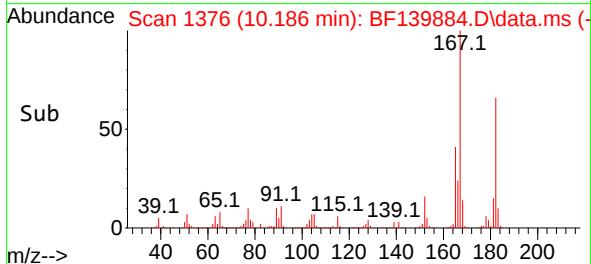
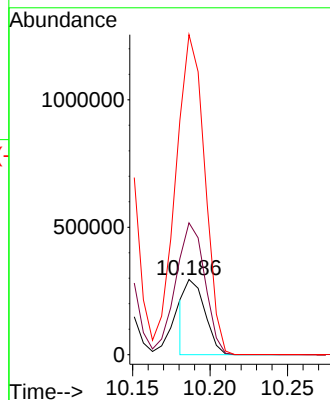
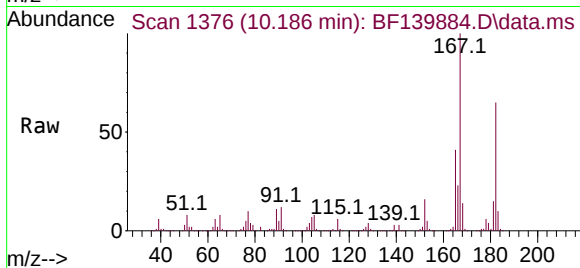
Tgt Ion:166 Resp: 259365

Ion Ratio Lower Upper

166 100

165 175.4 78.5 117.7#

167 425.8 10.9 16.3#



#63

Azobenzene

Concen: 2.449 ng

RT: 10.633 min Scan# 1452

Delta R.T. 0.006 min

Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

Tgt Ion: 77 Resp: 56769

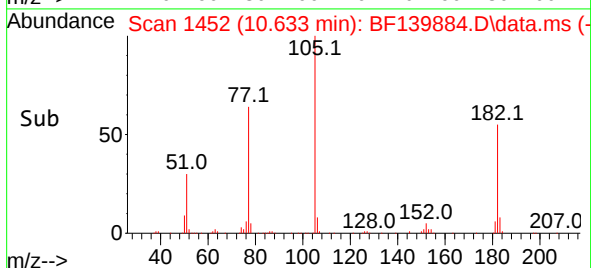
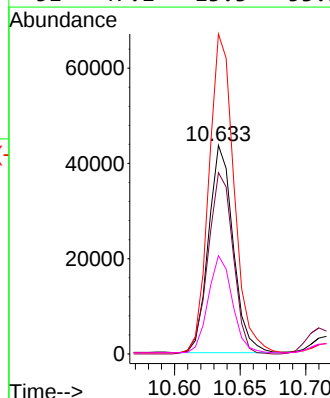
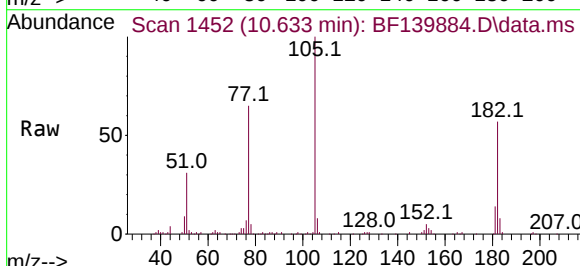
Ion Ratio Lower Upper

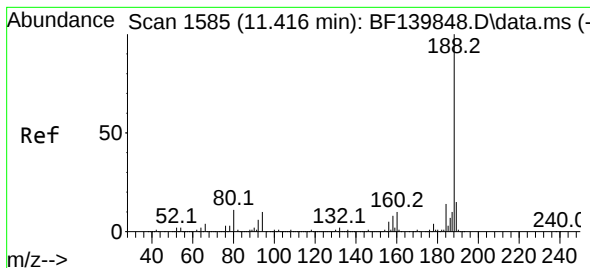
77 100

182 86.9 3.3 43.3#

105 153.4 1.2 41.2#

51 47.1 13.3 53.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1586

Delta R.T. 0.006 min

Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

Instrument :

BNA_F

ClientSampleId :

PAD-17

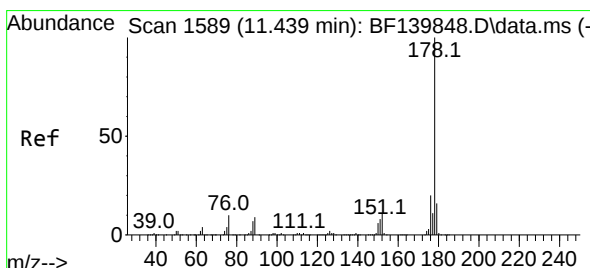
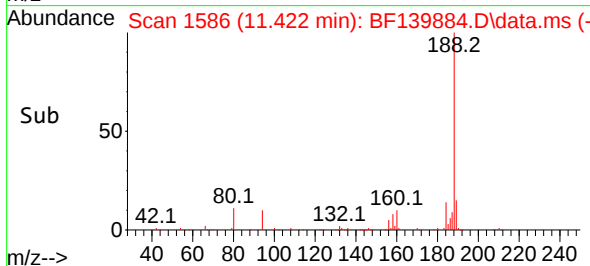
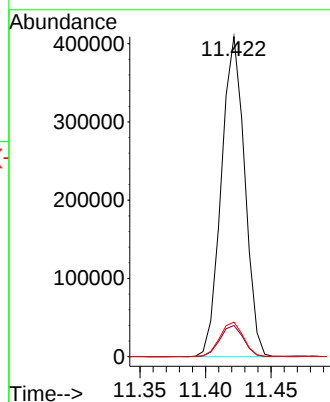
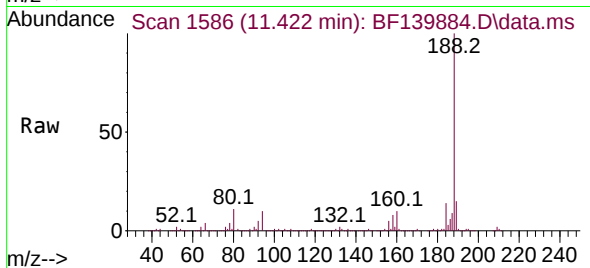
Tgt Ion:188 Resp: 505963

Ion Ratio Lower Upper

188 100

94 9.8 7.9 11.9

80 10.8 9.0 13.4



#71

Phenanthrene

Concen: 14.673 ng

RT: 11.445 min Scan# 1590

Delta R.T. 0.006 min

Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

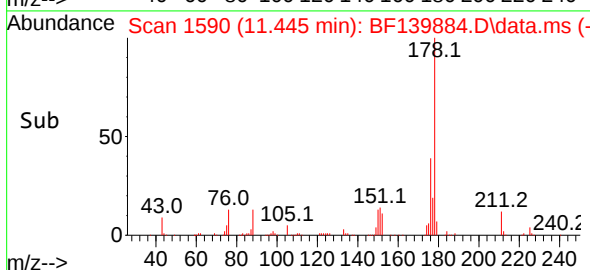
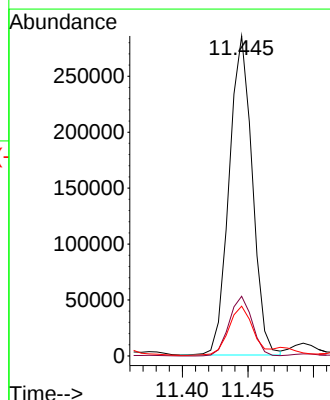
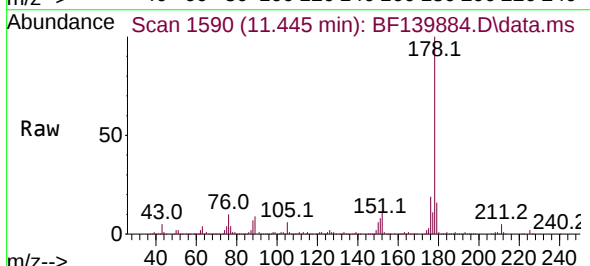
Tgt Ion:178 Resp: 350685

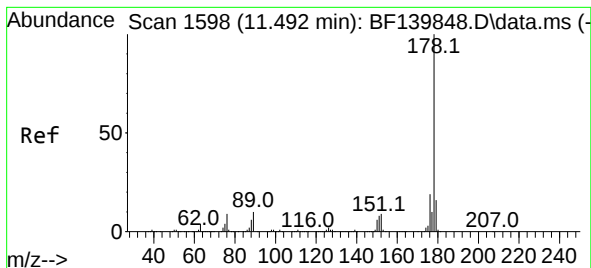
Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

179 15.5 12.6 18.8





#72

Anthracene

Concen: 15.039 ng

RT: 11.445 min Scan# 1598

Delta R.T. -0.047 min

Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

Instrument :

BNA_F

ClientSampleId :

PAD-17

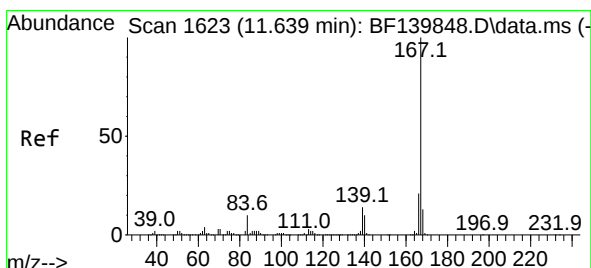
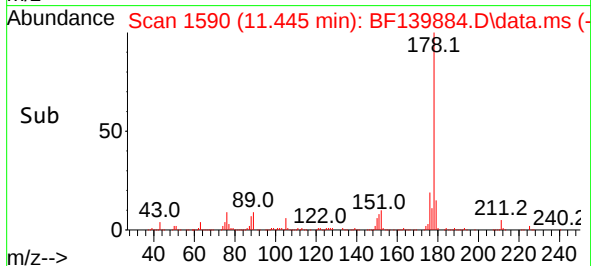
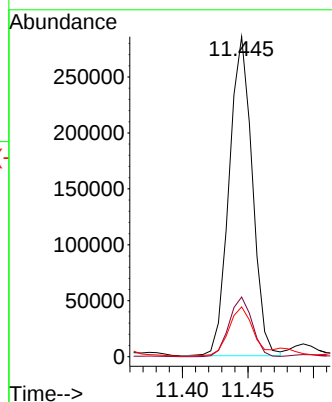
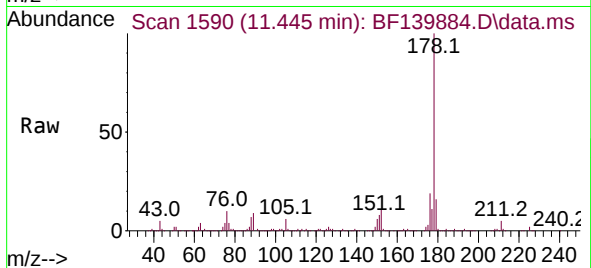
Tgt Ion:178 Resp: 350685

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

179 15.5 12.4 18.6



#73

Carbazole

Concen: 7.176 ng

RT: 11.657 min Scan# 1626

Delta R.T. 0.018 min

Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

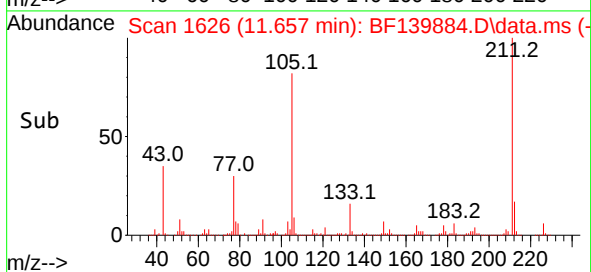
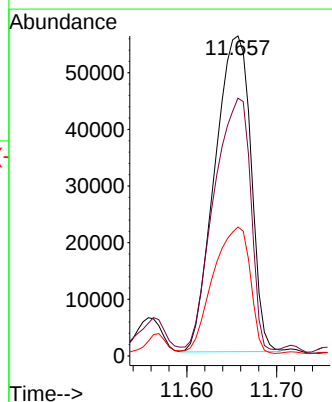
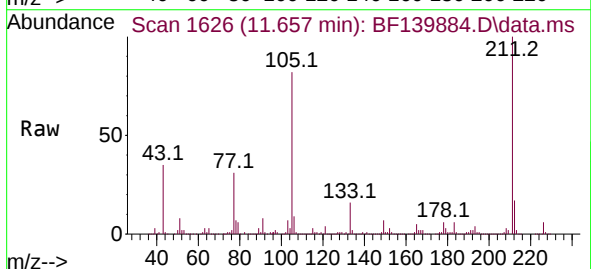
Tgt Ion:167 Resp: 155625

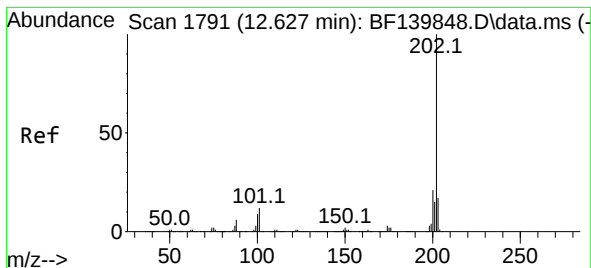
Ion Ratio Lower Upper

167 100

166 80.5 17.0 25.6#

139 40.3 10.8 16.2#





#75

Fluoranthene

Concen: 26.741 ng

RT: 12.627 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

Instrument :

BNA_F

ClientSampleId :

PAD-17

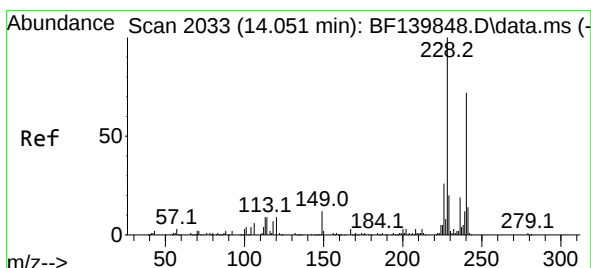
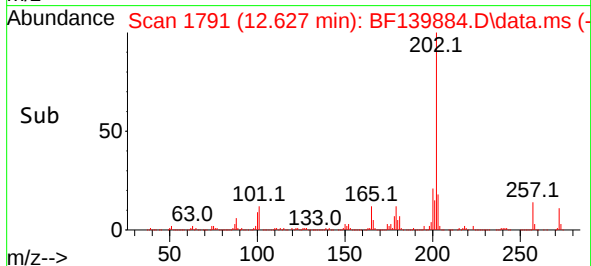
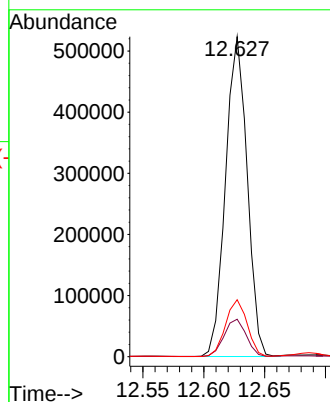
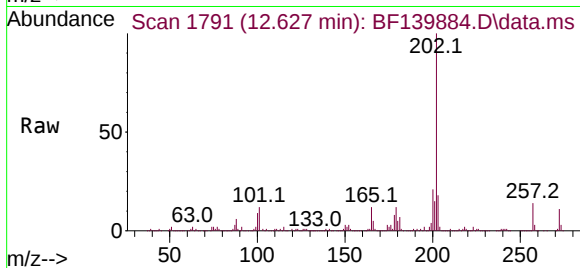
Tgt Ion:202 Resp: 646070

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.9

203 17.8 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

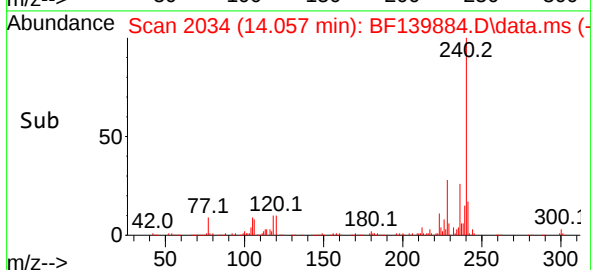
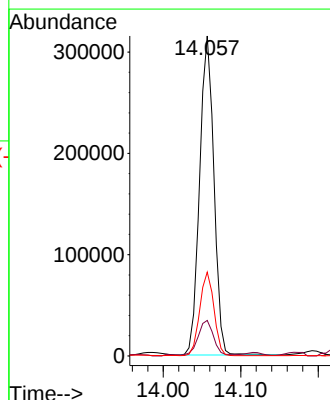
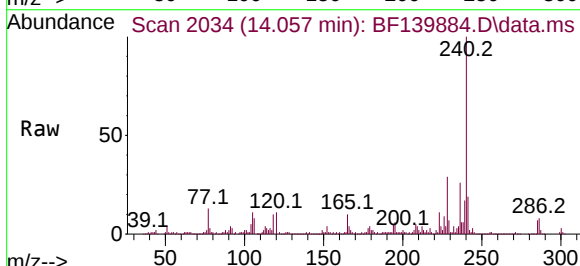
Tgt Ion:240 Resp: 403624

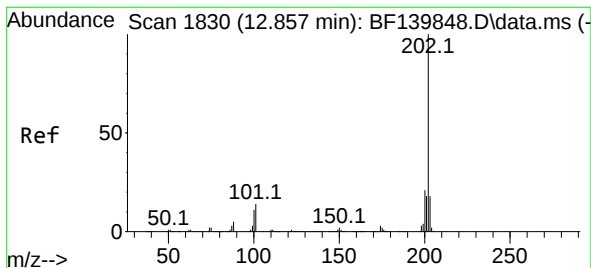
Ion Ratio Lower Upper

240 100

120 11.1 9.4 14.2

236 26.2 20.9 31.3





#78

Pyrene

Concen: 7.734 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

Instrument :

BNA_F

ClientSampleId :

PAD-17

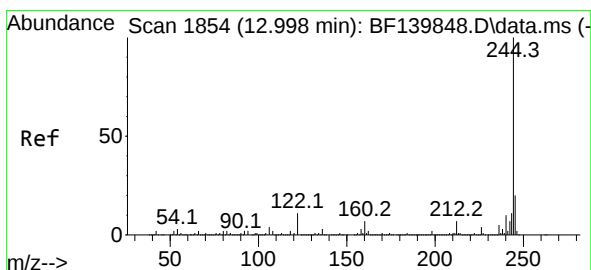
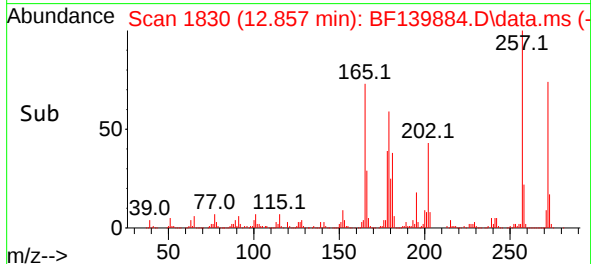
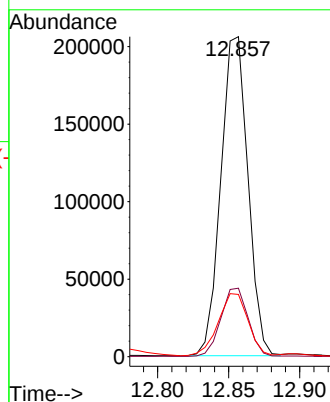
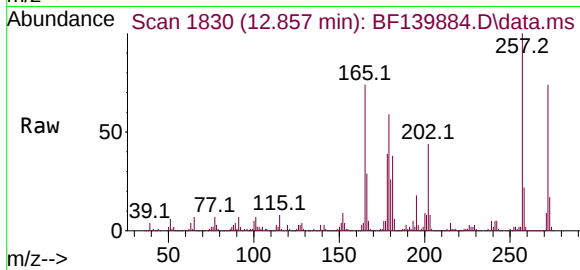
Tgt Ion:202 Resp: 273250

Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

203 19.4 14.2 21.4



#79

Terphenyl-d14

Concen: 34.738 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

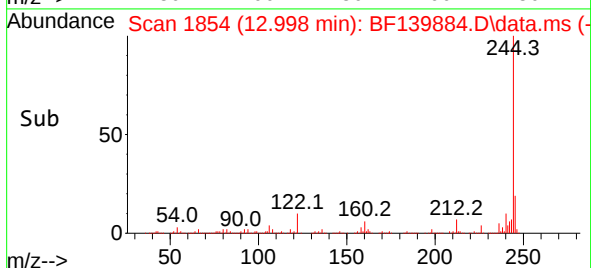
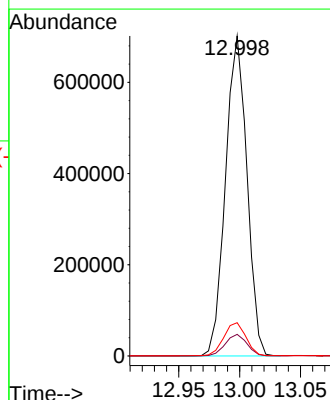
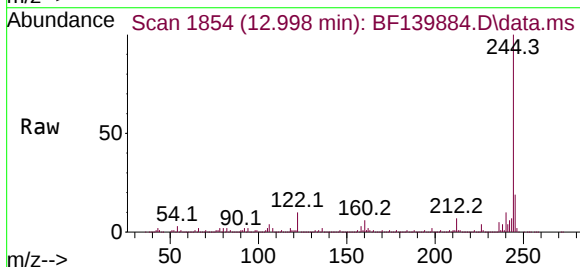
Tgt Ion:244 Resp: 860475

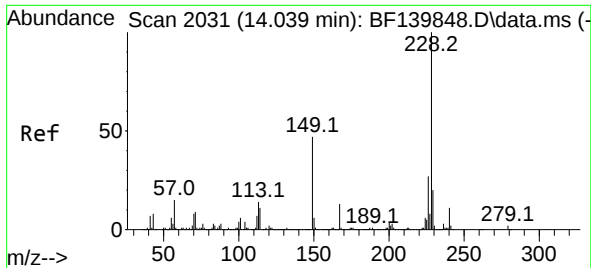
Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.4 8.6 13.0

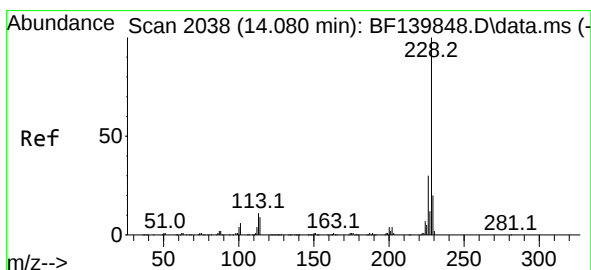
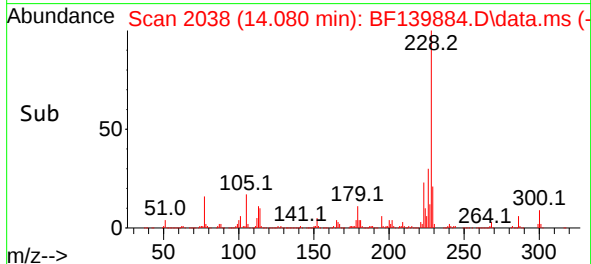
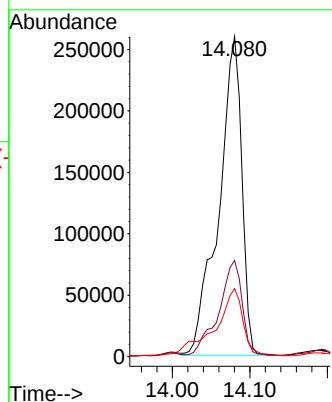
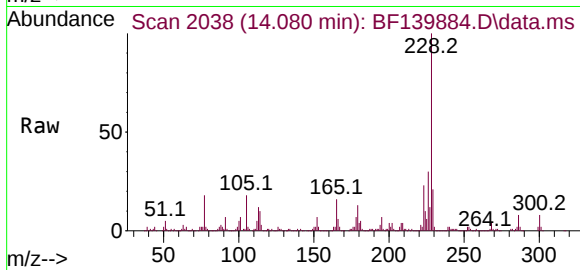




#81
Benzo(a)anthracene
Concen: 20.439 ng
RT: 14.080 min Scan# 2031
Delta R.T. 0.041 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

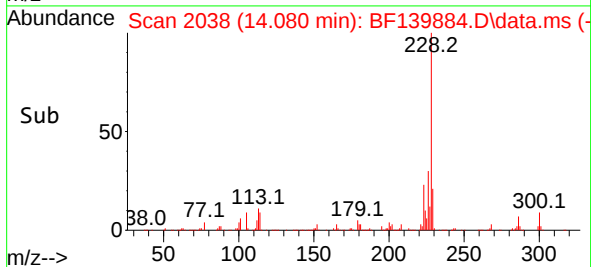
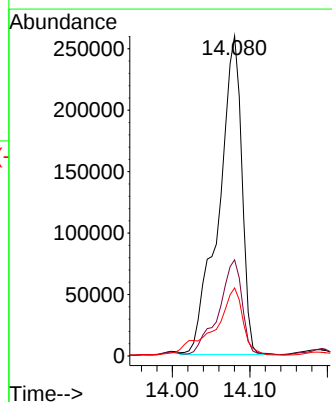
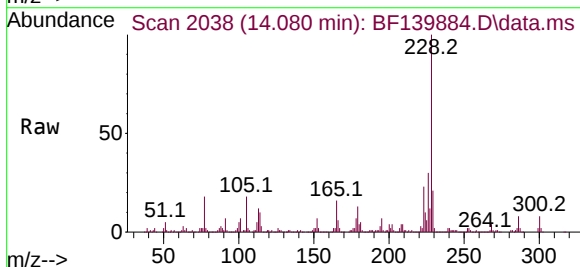
Instrument :
BNA_F
ClientSampleId :
PAD-17

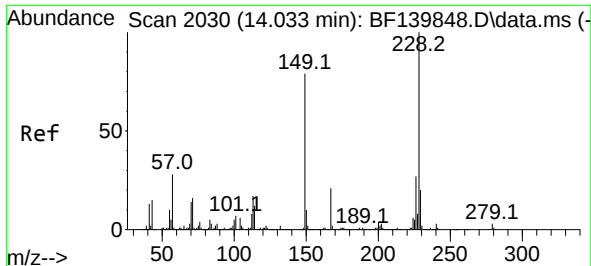
Tgt Ion:228 Resp: 537014
Ion Ratio Lower Upper
228 100
226 30.0 21.6 32.4
229 21.3 16.1 24.1



#83
Chrysene
Concen: 22.291 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

Tgt Ion:228 Resp: 537014
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 21.3 15.8 23.6

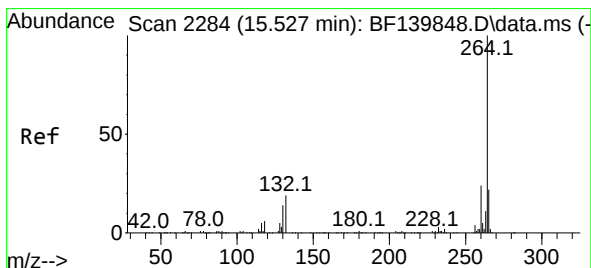
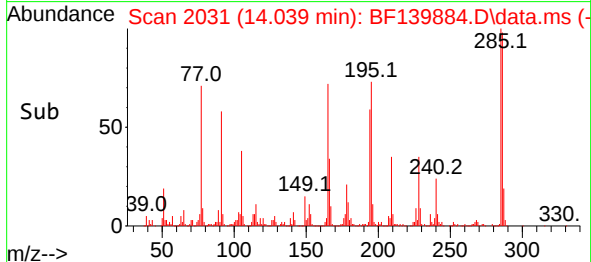
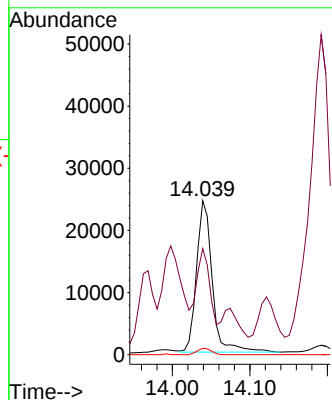
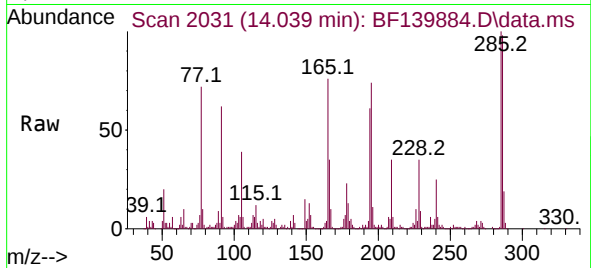




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.888 ng
RT: 14.039 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

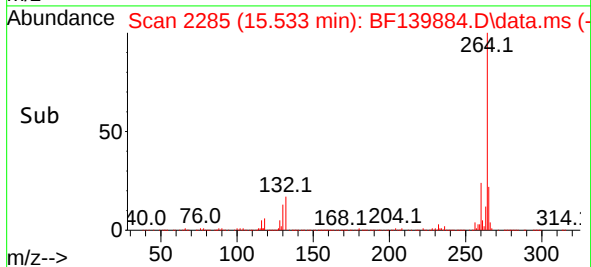
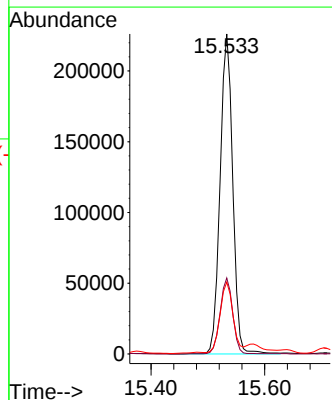
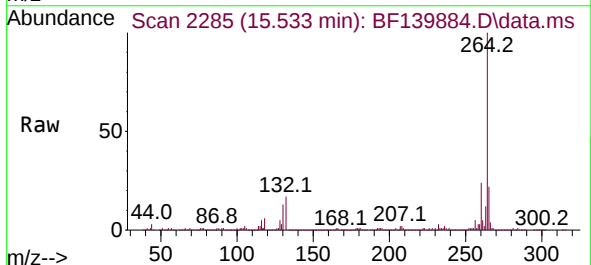
Instrument :
BNA_F
ClientSampleId :
PAD-17

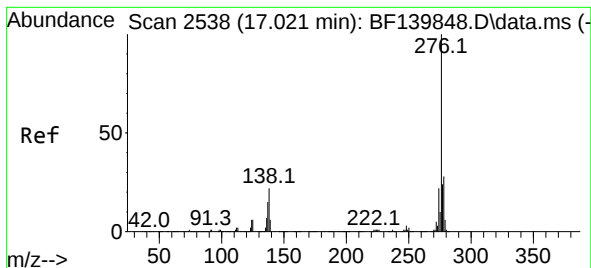
Tgt Ion:149 Resp: 34323
Ion Ratio Lower Upper
149 100
167 68.9 21.4 32.0#
279 4.1 3.0 4.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

Tgt Ion:264 Resp: 349762
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.2
265 22.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.431 ng

RT: 17.009 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

Instrument :

BNA_F

ClientSampleId :

PAD-17

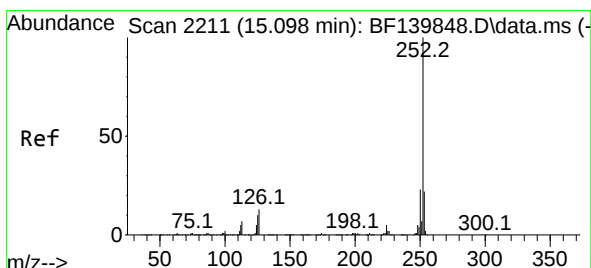
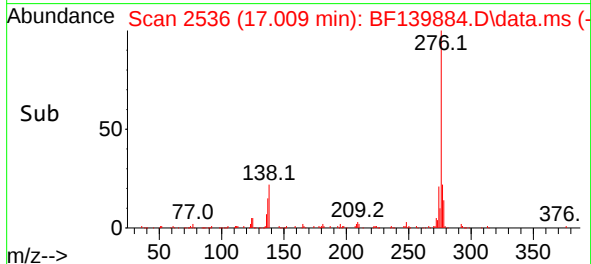
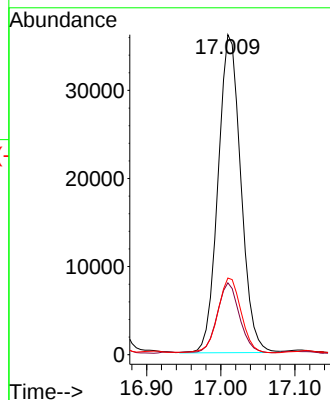
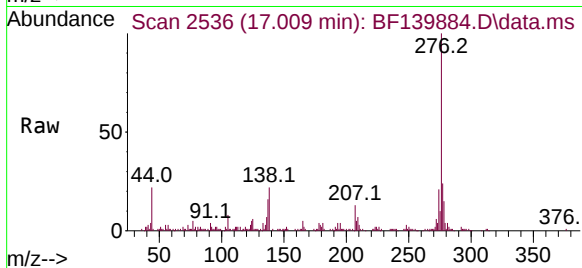
Tgt Ion:276 Resp: 77207

Ion Ratio Lower Upper

276 100

138 21.3 20.4 30.6

277 23.9 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 29.533 ng

RT: 15.104 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

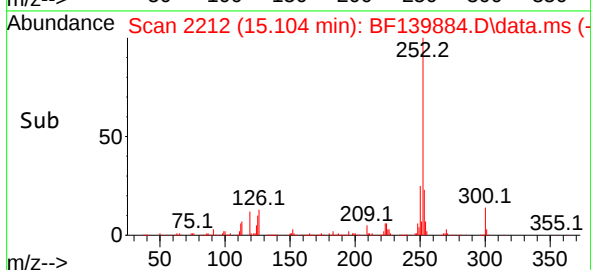
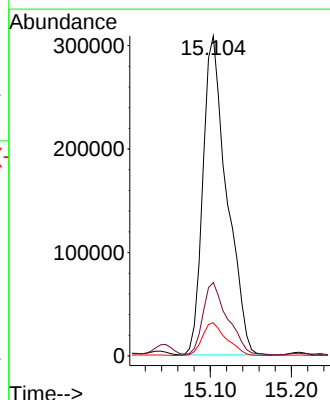
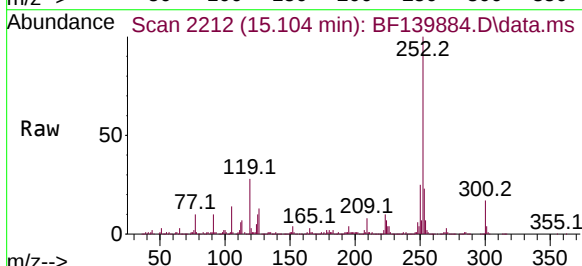
Tgt Ion:252 Resp: 629222

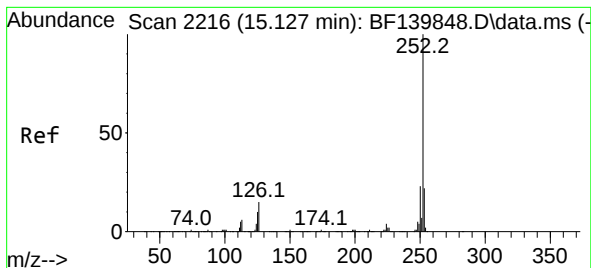
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 10.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 34.244 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

Instrument :

BNA_F

ClientSampleId :

PAD-17

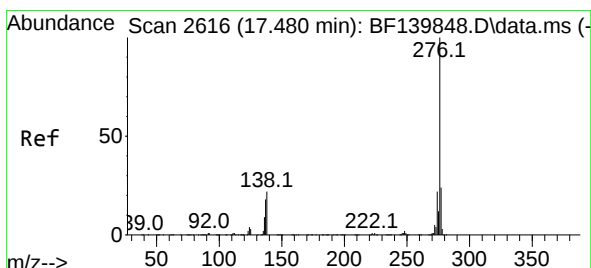
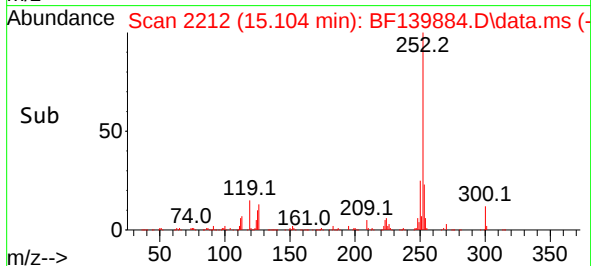
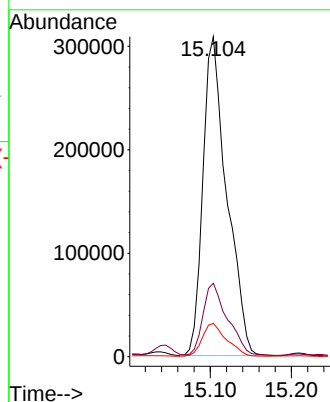
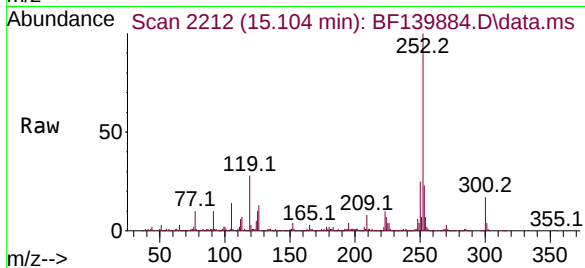
Tgt Ion:252 Resp: 629222

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 10.4 7.9 11.9



#92

Benzo(g,h,i)perylene

Concen: 3.390 ng

RT: 17.462 min Scan# 2613

Delta R.T. -0.017 min

Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

Tgt Ion:276 Resp: 63570

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.6

138 21.1 17.4 26.0

