

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
 Data File : BF140894.D
 Acq On : 17 Dec 2024 19:07
 Operator : RC/JU
 Sample : P5301-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-04-121624

Quant Time: Dec 18 00:14:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

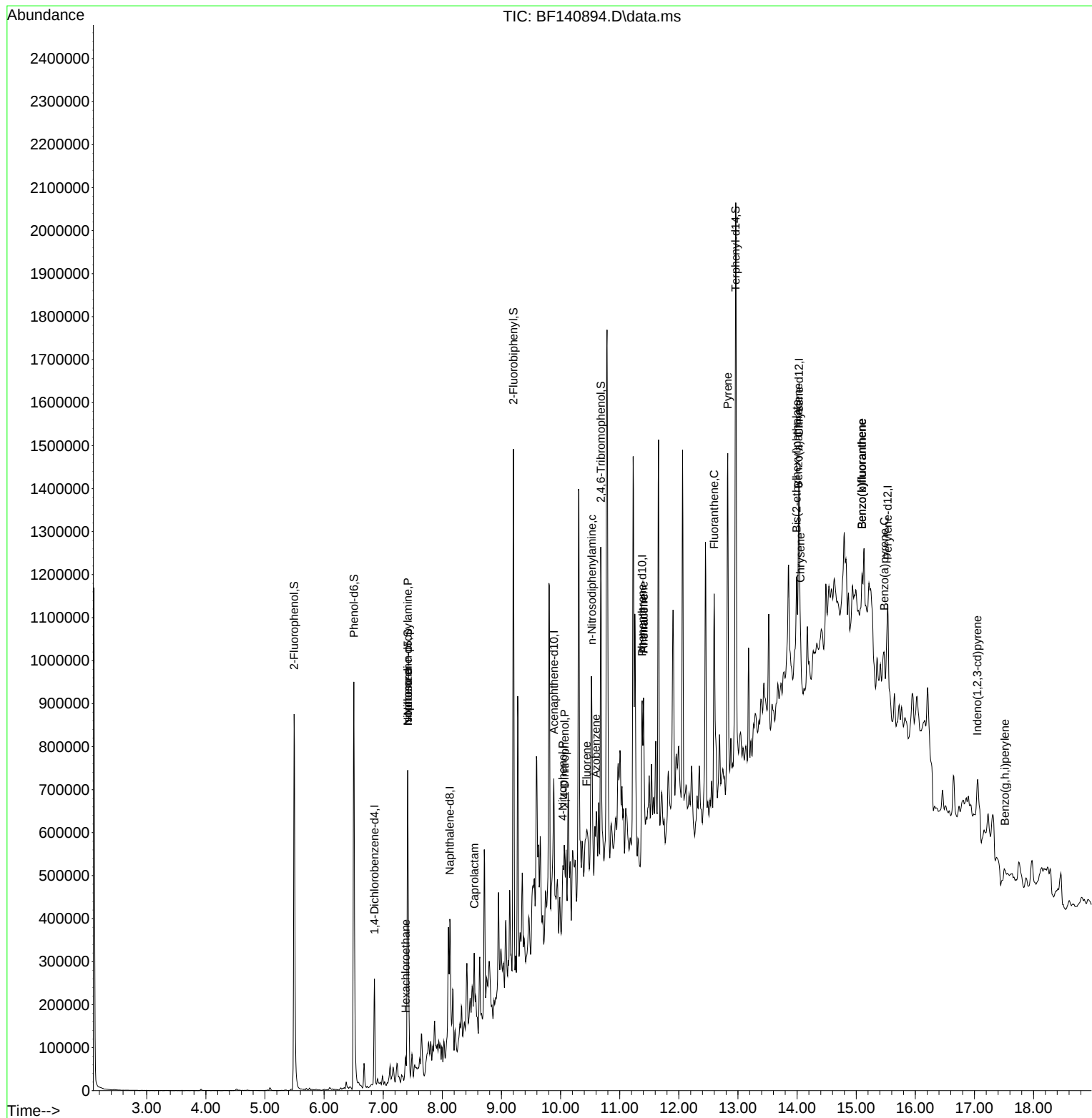
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	49450	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	174361	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	93062	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	172385	20.000	ng	0.00
76) Chrysene-d12	14.033	240	150320	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	120944	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	369738	123.085	ng	0.00
7) Phenol-d6	6.504	99	476892	119.861	ng	0.00
23) Nitrobenzene-d5	7.416	82	319355	91.636	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	136315	123.849	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	540650	79.873	ng	0.00
79) Terphenyl-d14	12.963	244	632409	66.340	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.381	117	2939	2.084	ng	# 1
19) n-Nitroso-di-n-propyla...	7.416	70	50616	21.208	ng	# 76
25) Isophorone	7.416	82	313127	53.623	ng	# 66
35) Caprolactam	8.539	113	4643	5.882	ng	# 1
54) 2,4-Dinitrophenol	10.069	184	53	6.608	ng	# 1
56) 4-Nitrophenol	10.039	139	190	4.666	ng	# 1
58) Fluorene	10.439	166	14755	2.172	ng	# 57
63) Azobenzene	10.598	77	26409	4.129	ng	# 1
66) n-Nitrosodiphenylamine	10.527	169	19409	3.662	ng	# 81
71) Phenanthrene	11.404	178	137487	15.509	ng	97
72) Anthracene	11.404	178	137487	15.749	ng	98
75) Fluoranthene	12.598	202	205355	20.115	ng	99
78) Pyrene	12.827	202	206639	15.459	ng	98
81) Benzo(a)anthracene	14.021	228	90665	8.510	ng	# 92
83) Chrysene	14.057	228	70723	7.300	ng	# 88
84) Bis(2-ethylhexyl)phtha...	13.992	149	80313	12.664	ng	# 96
87) Indeno(1,2,3-cd)pyrene	17.051	276	27306	3.618	ng	# 95
88) Benzo(b)fluoranthene	15.098	252	91349	10.881	ng	# 65
89) Benzo(k)fluoranthene	15.098	252	91349	12.685	ng	# 65
90) Benzo(a)pyrene	15.474	252	44646	6.791	ng	# 71
92) Benzo(g,h,i)perylene	17.515	276	25223	3.964	ng	# 82

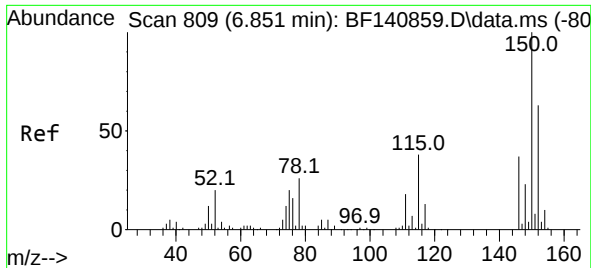
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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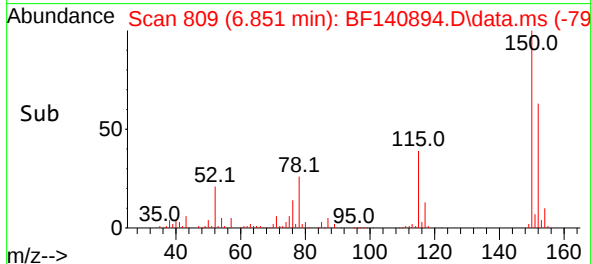
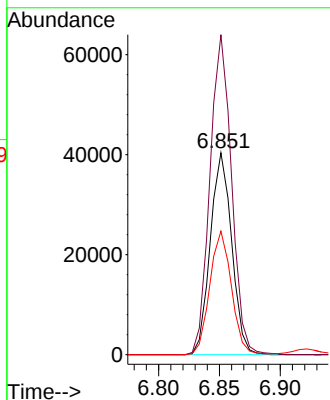
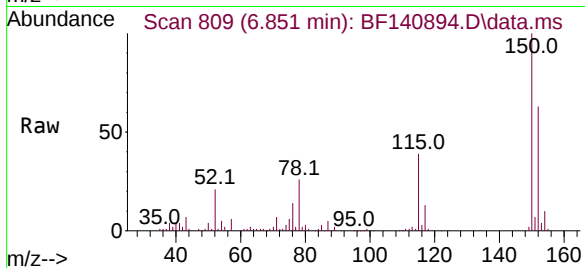




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.851 min Scan# 809
 Delta R.T. 0.000 min
 Lab File: BF140894.D
 Acq: 17 Dec 2024 19:07

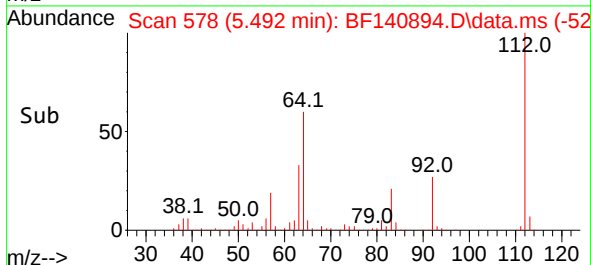
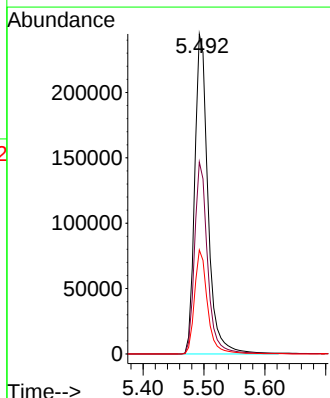
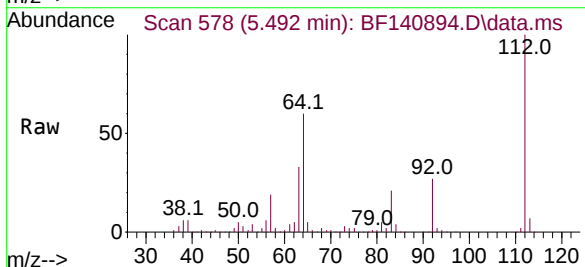
Instrument :
 BNA_F
 ClientSampleId :
 HR-04-121624

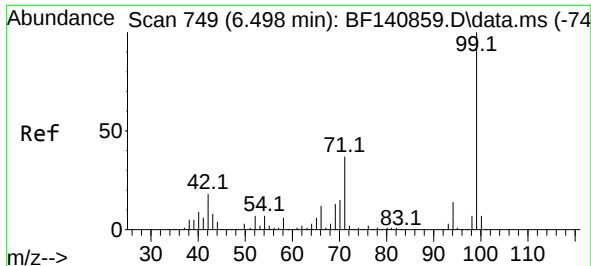
Tgt Ion:152 Resp: 49450
 Ion Ratio Lower Upper
 152 100
 150 158.5 127.9 191.9
 115 61.2 48.0 72.0



#5
 2-Fluorophenol
 Concen: 123.085 ng
 RT: 5.492 min Scan# 578
 Delta R.T. 0.006 min
 Lab File: BF140894.D
 Acq: 17 Dec 2024 19:07

Tgt Ion:112 Resp: 369738
 Ion Ratio Lower Upper
 112 100
 64 60.0 46.1 69.1
 63 32.5 24.9 37.3

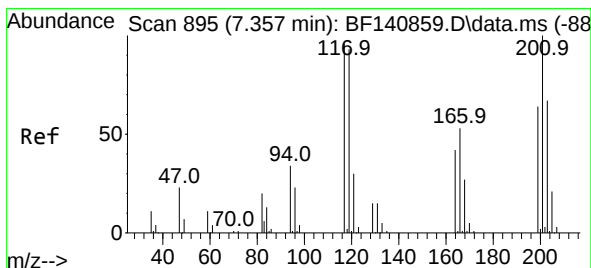
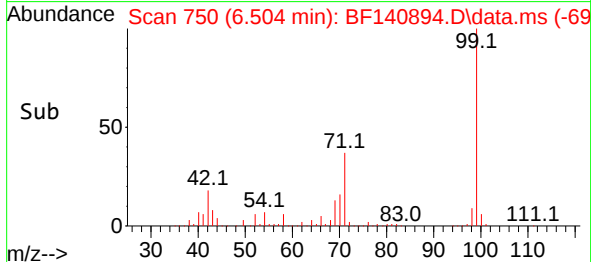
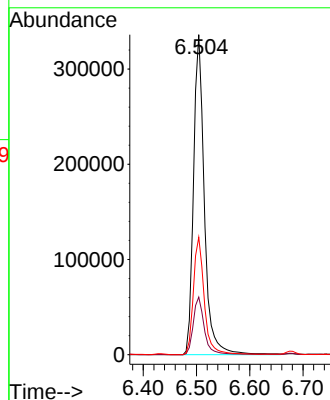
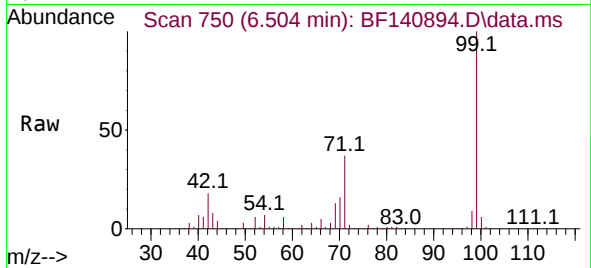




#7
Phenol-d6
Concen: 119.861 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

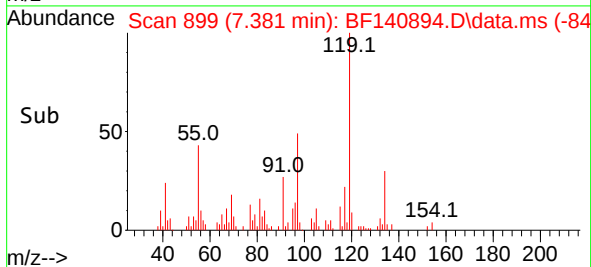
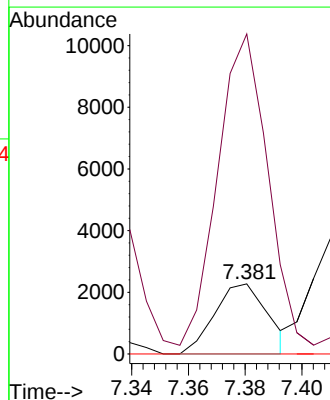
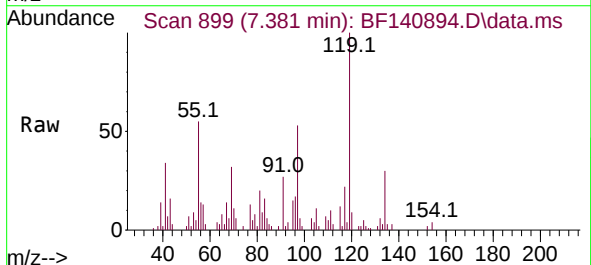
Instrument :
BNA_F
ClientSampleId :
HR-04-121624

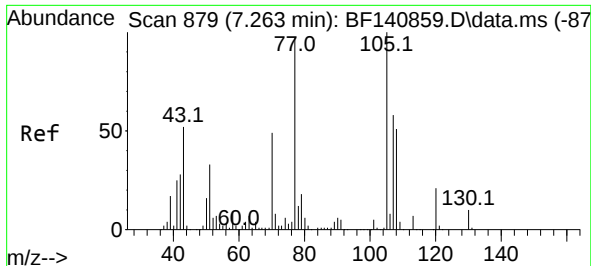
Tgt Ion:	99	Resp:	476892
Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.3	21.5
71	36.7	29.9	44.9



#18
Hexachloroethane
Concen: 2.084 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.023 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

Tgt Ion:	117	Resp:	2939
Ion	Ratio	Lower	Upper
117	100		
119	456.1	77.4	116.0#
201	0.0	83.4	125.0#





#19

n-Nitroso-di-n-propylamine

Concen: 21.208 ng

RT: 7.416 min Scan# 90

Delta R.T. 0.153 min

Lab File: BF140894.D

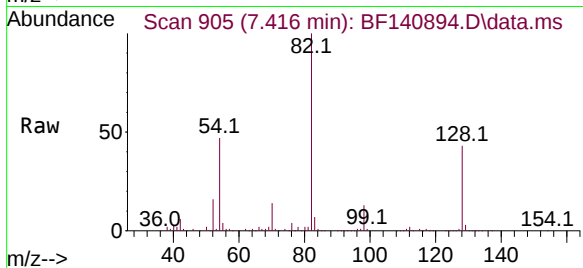
Acq: 17 Dec 2024 19:07

Instrument :

BNA_F

ClientSampleId :

HR-04-121624



Tgt Ion: 70 Resp: 50616

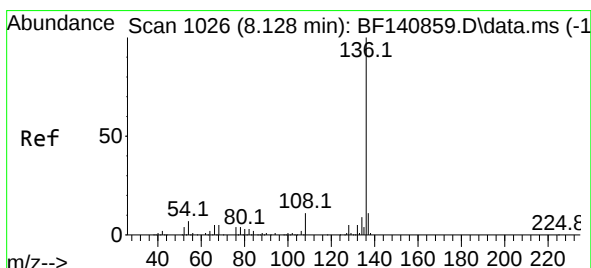
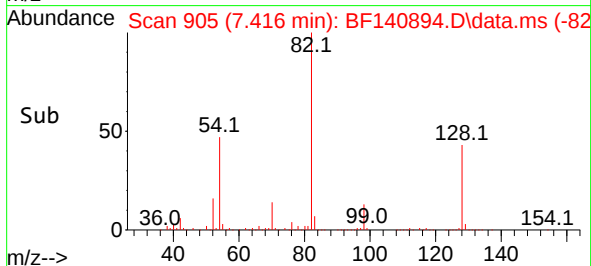
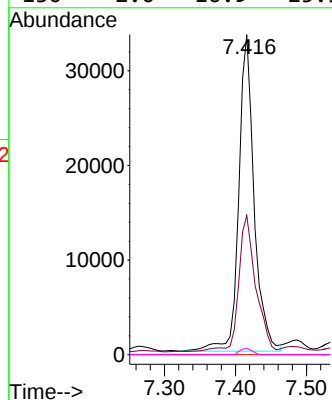
Ion Ratio Lower Upper

70 100

42 43.5 45.3 67.9#

101 0.0 8.0 12.0#

130 2.0 16.9 25.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1026

Delta R.T. -0.000 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

Tgt Ion: 136 Resp: 174361

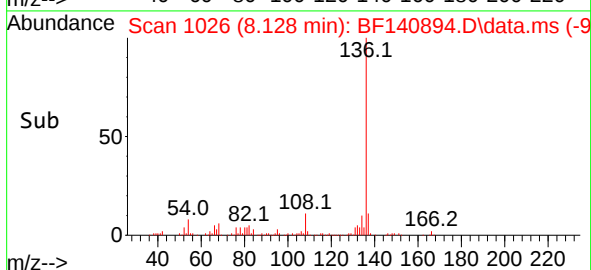
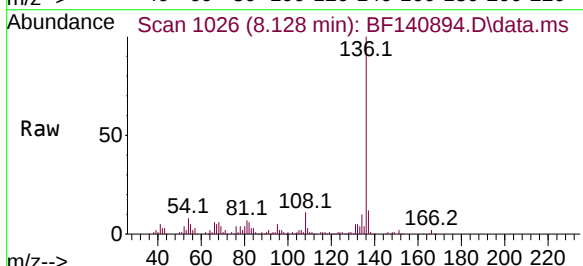
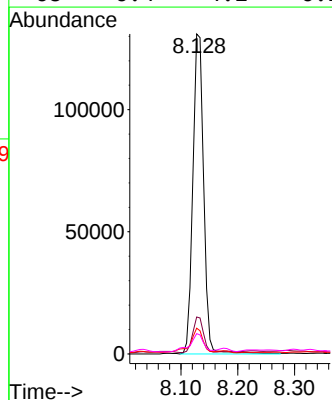
Ion Ratio Lower Upper

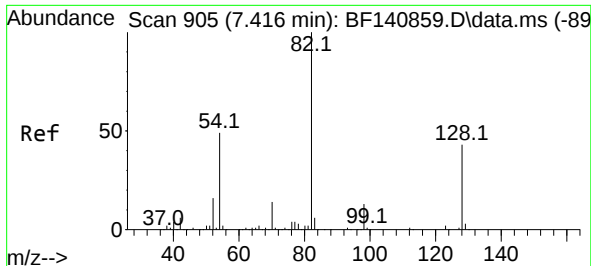
136 100

137 11.5 9.0 13.4

54 8.1 5.6 8.4

68 6.4 4.2 6.2#

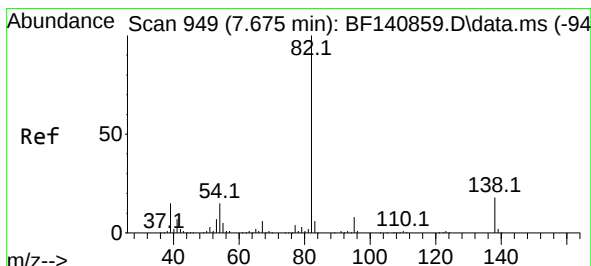
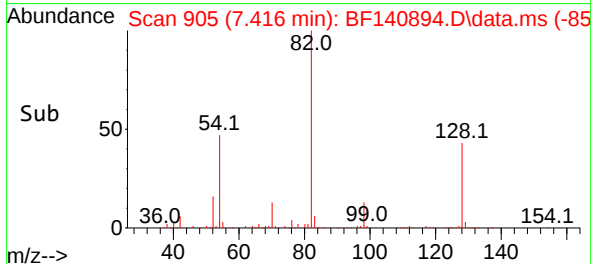
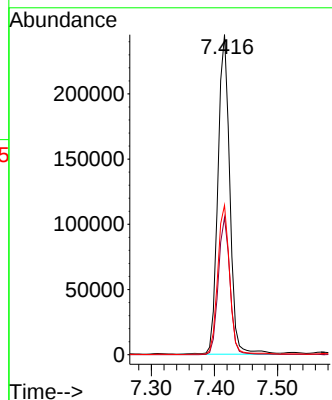
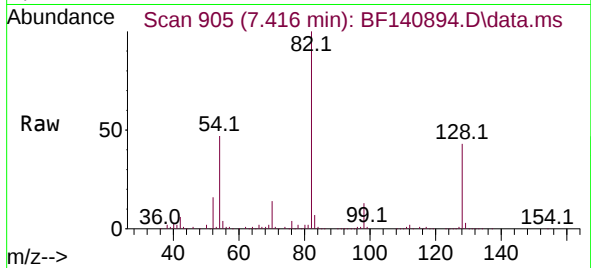




#23
Nitrobenzene-d5
Concen: 91.636 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.000 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

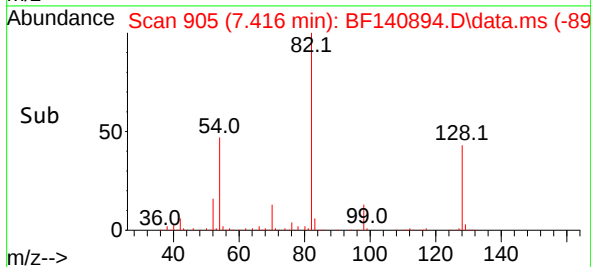
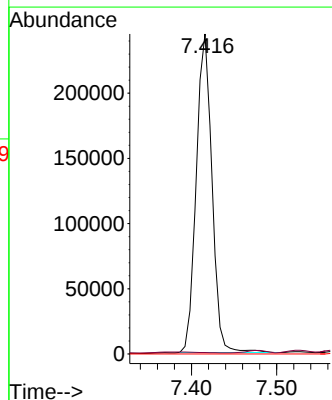
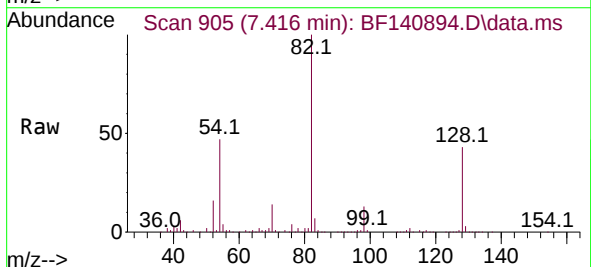
Instrument :
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ClientSampleId :
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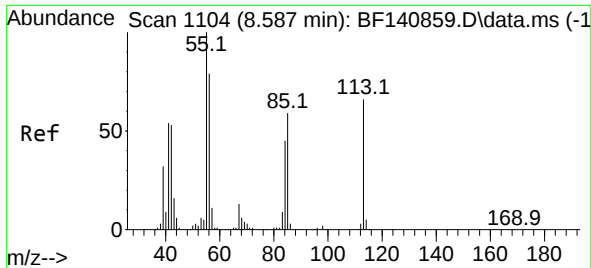
Tgt Ion: 82 Resp: 319355
Ion Ratio Lower Upper
82 100
128 42.9 34.4 51.6
54 46.7 38.8 58.2



#25
Isophorone
Concen: 53.623 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.259 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

Tgt Ion: 82 Resp: 313127
Ion Ratio Lower Upper
82 100
95 0.4 6.3 9.5#
138 0.0 14.1 21.1#

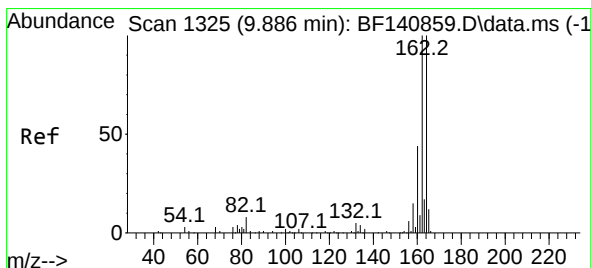
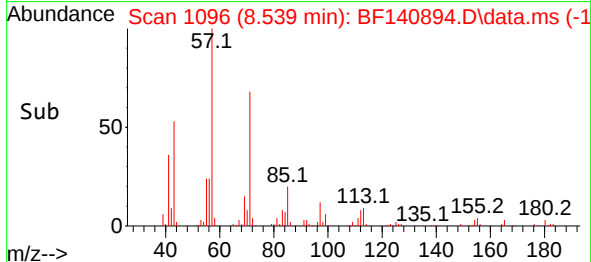
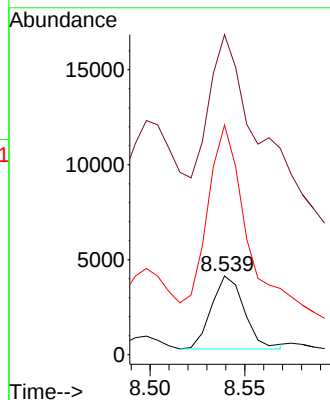
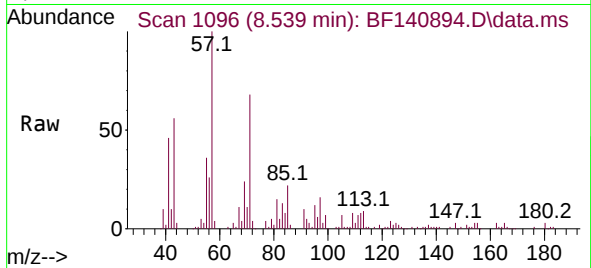




#35
Caprolactam
Concen: 5.882 ng
RT: 8.539 min Scan# 1096
Delta R.T. -0.047 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

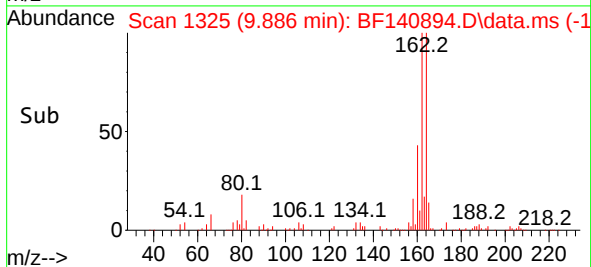
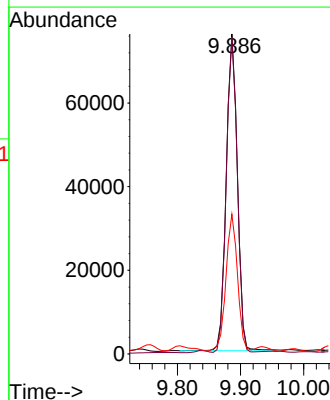
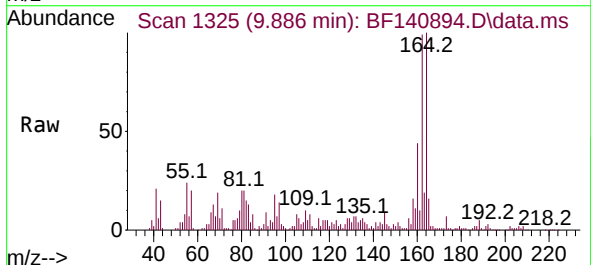
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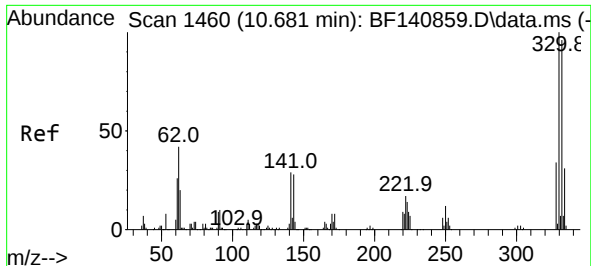
Tgt Ion:113 Resp: 4643
Ion Ratio Lower Upper
113 100
55 406.5 132.3 172.3#
56 291.6 100.3 140.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.000 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

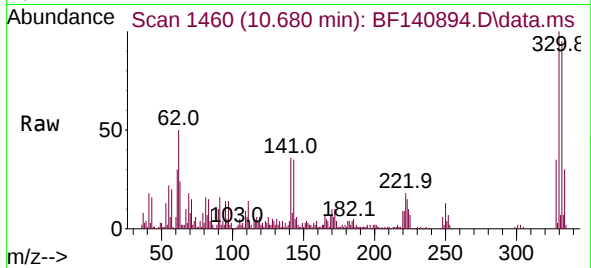
Tgt Ion:164 Resp: 93062
Ion Ratio Lower Upper
164 100
162 99.0 79.9 119.9
160 43.7 35.2 52.8



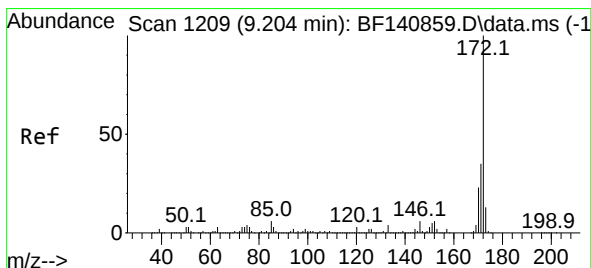
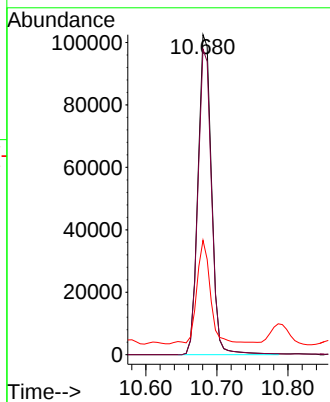
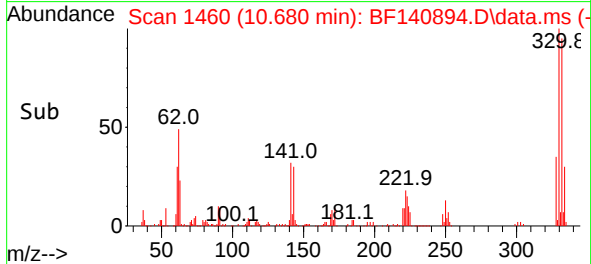


#42
2,4,6-Tribromophenol
Concen: 123.849 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

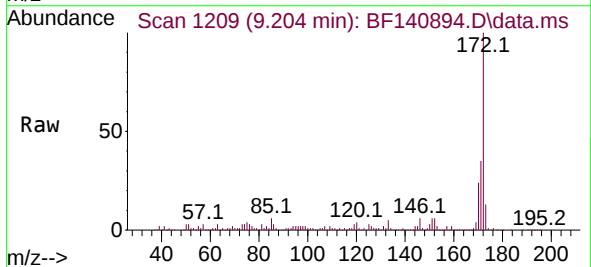
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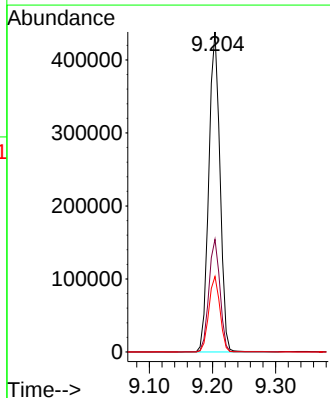
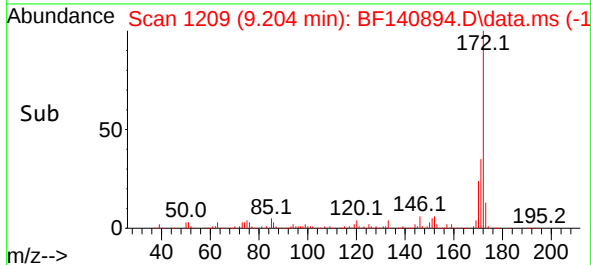
Tgt Ion:330 Resp: 136315
Ion Ratio Lower Upper
330 100
332 96.2 76.2 114.4
141 32.9 24.9 37.3

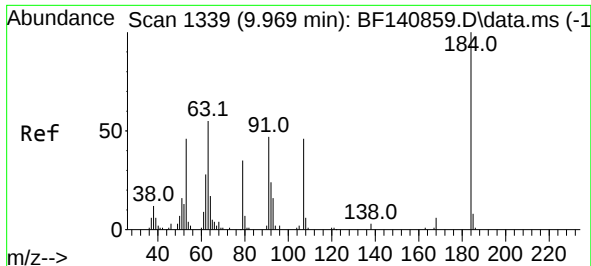


#45
2-Fluorobiphenyl
Concen: 79.873 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07



Tgt Ion:172 Resp: 540650
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.6 18.6 28.0

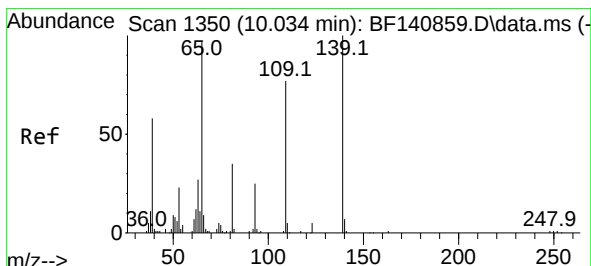
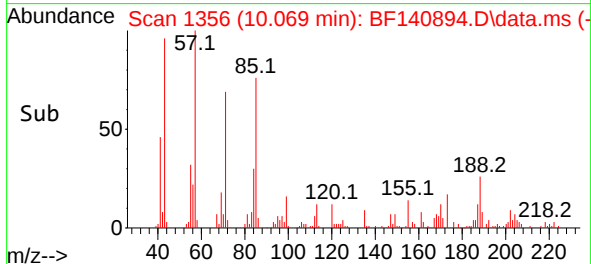
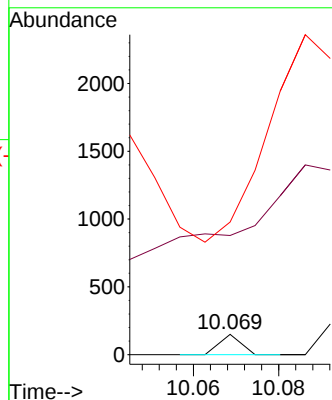
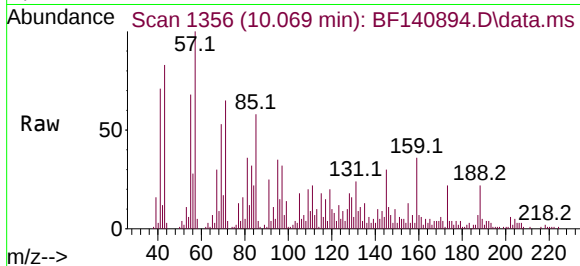




#54
2,4-Dinitrophenol
Concen: 6.608 ng
RT: 10.069 min Scan# 11
Delta R.T. 0.100 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

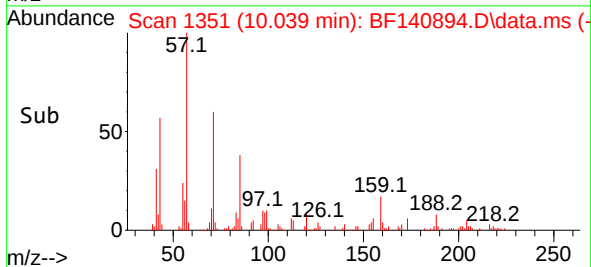
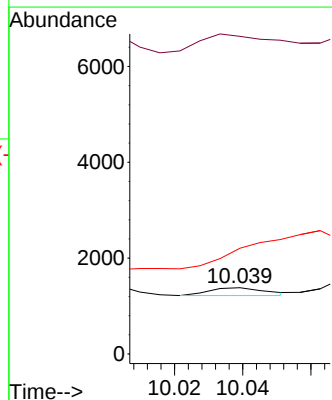
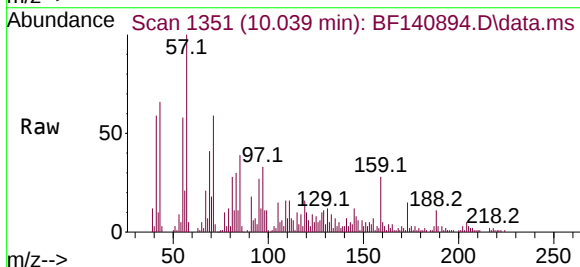
Instrument :
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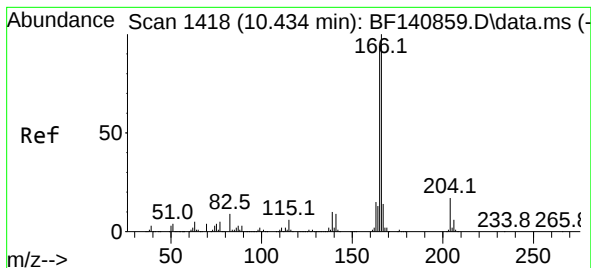
Tgt Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 586.0 51.6 77.4#
154 652.0 56.1 84.1#



#56
4-Nitrophenol
Concen: 4.666 ng
RT: 10.039 min Scan# 1351
Delta R.T. 0.005 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

Tgt Ion:139 Resp: 190
Ion Ratio Lower Upper
139 100
109 478.8 56.7 96.7#
65 159.5 78.1 118.1#





#58

Fluorene

Concen: 2.172 ng

RT: 10.439 min Scan# 1419

Delta R.T. 0.006 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

Instrument :

BNA_F

ClientSampleId :

HR-04-121624

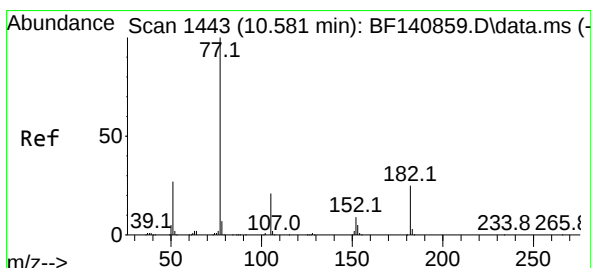
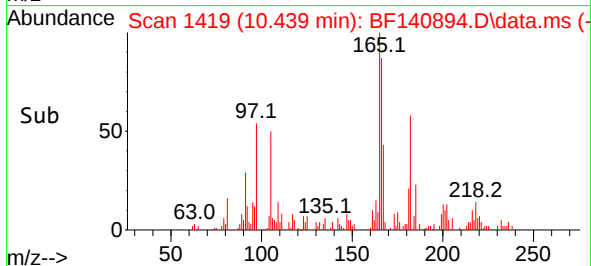
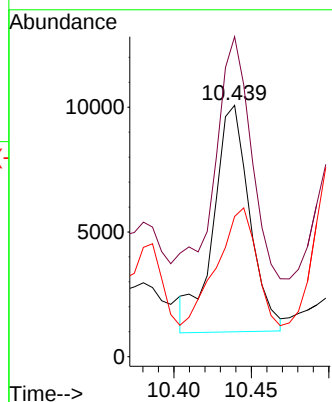
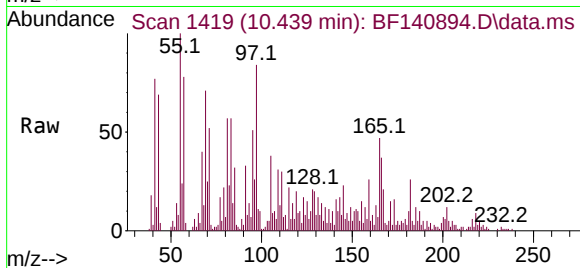
Tgt Ion:166 Resp: 14755

Ion Ratio Lower Upper

166 100

165 127.3 75.1 112.7#

167 55.8 11.1 16.7#



#63

Azobenzene

Concen: 4.129 ng

RT: 10.598 min Scan# 1446

Delta R.T. 0.017 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

Tgt Ion: 77 Resp: 26409

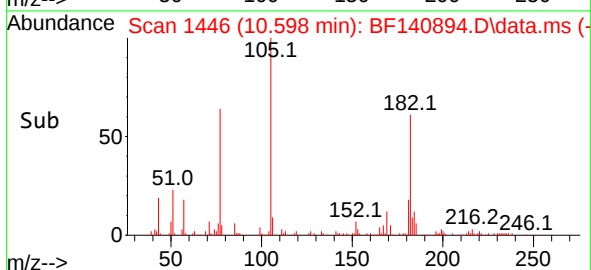
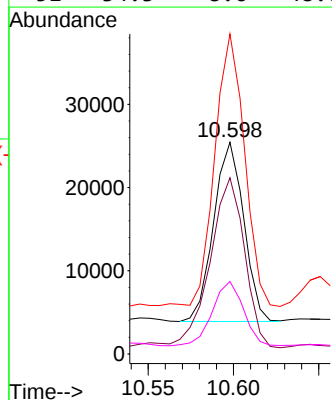
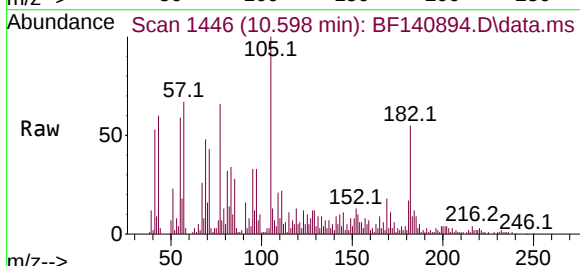
Ion Ratio Lower Upper

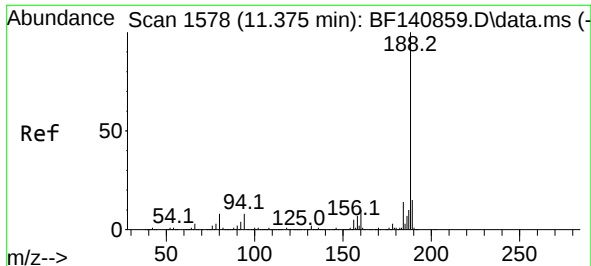
77 100

182 83.2 4.5 44.5#

105 151.1 0.9 40.9#

51 34.3 8.6 48.6

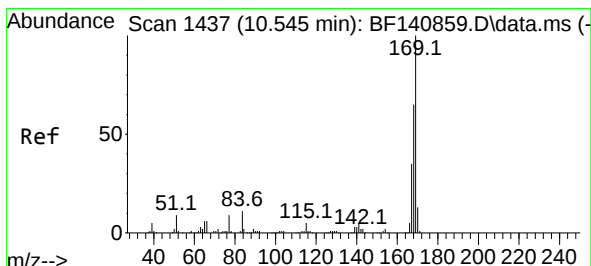
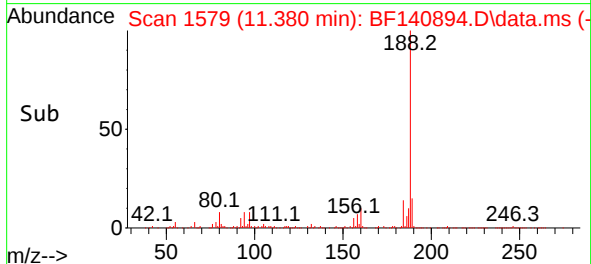
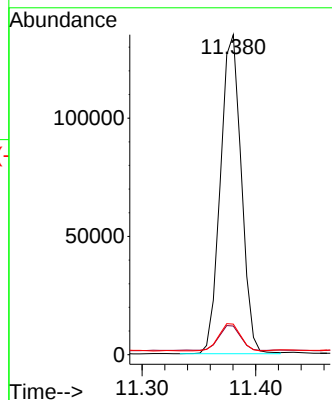
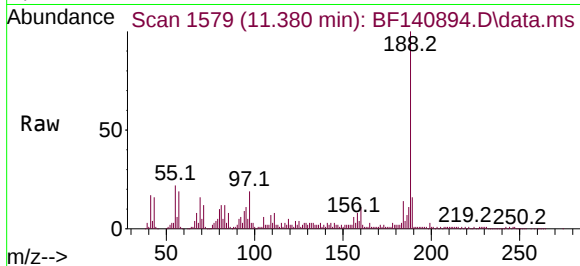




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

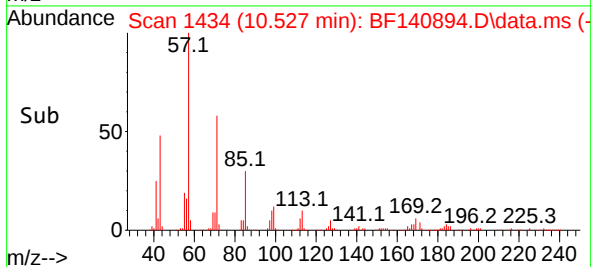
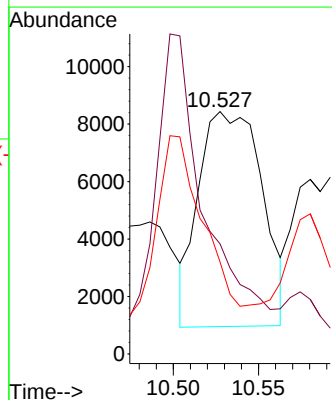
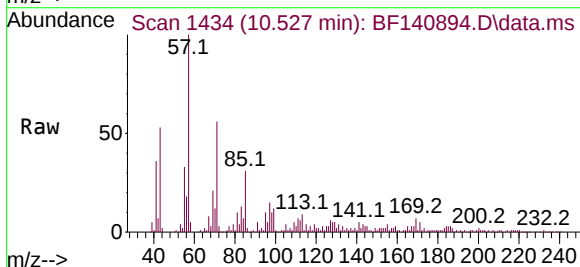
Instrument :
BNA_F
ClientSampleId :
HR-04-121624

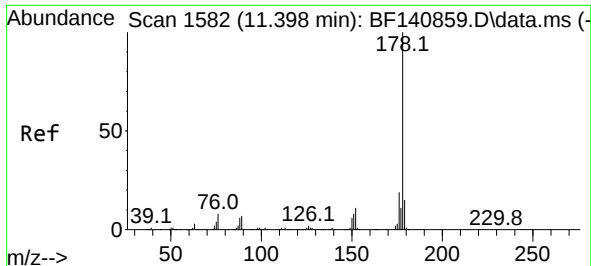
Tgt Ion:188 Resp: 172385
Ion Ratio Lower Upper
188 100
94 9.0 6.4 9.6
80 9.6 6.8 10.2



#66
n-Nitrosodiphenylamine
Concen: 3.662 ng
RT: 10.527 min Scan# 1434
Delta R.T. -0.018 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

Tgt Ion:169 Resp: 19409
Ion Ratio Lower Upper
169 100
168 45.4 53.4 80.0#
167 37.9 28.3 42.5

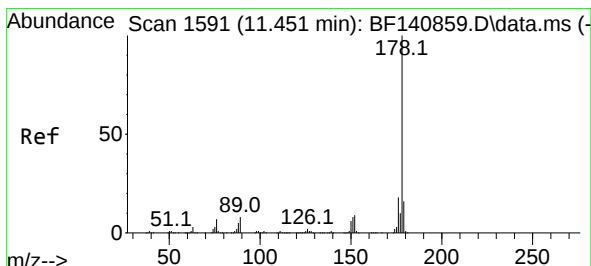
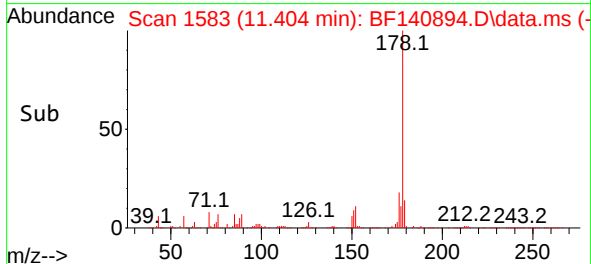
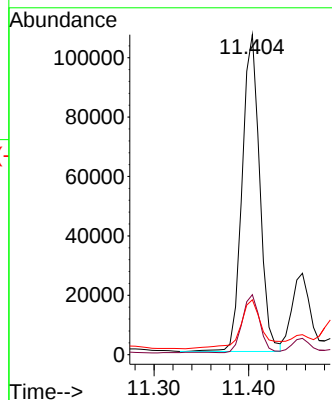
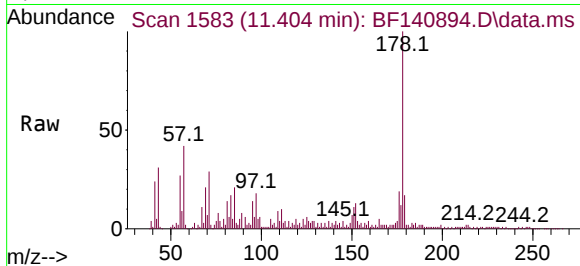




#71
Phenanthrene
Concen: 15.509 ng
RT: 11.404 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

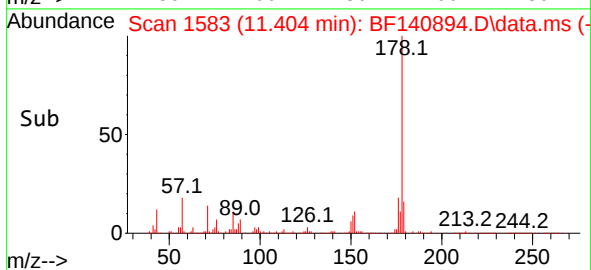
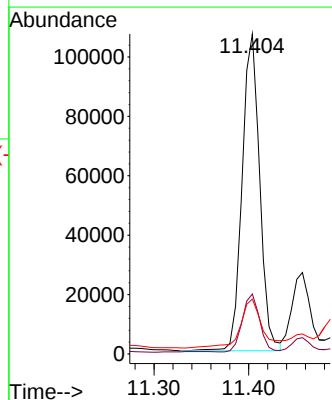
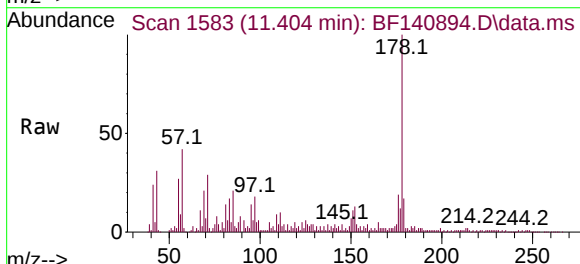
Instrument :
BNA_F
ClientSampleId :
HR-04-121624

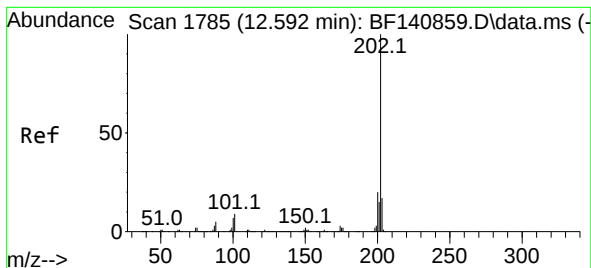
Tgt Ion:178 Resp: 137487
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 17.2 12.1 18.1



#72
Anthracene
Concen: 15.749 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.047 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

Tgt Ion:178 Resp: 137487
Ion Ratio Lower Upper
178 100
176 18.7 14.6 22.0
179 17.2 12.6 18.8





#75

Fluoranthene

Concen: 20.115 ng

RT: 12.598 min Scan# 1786

Delta R.T. 0.006 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

Instrument :

BNA_F

ClientSampleId :

HR-04-121624

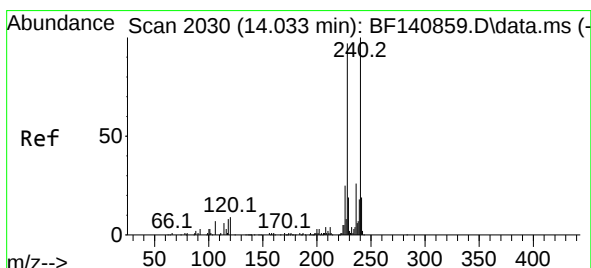
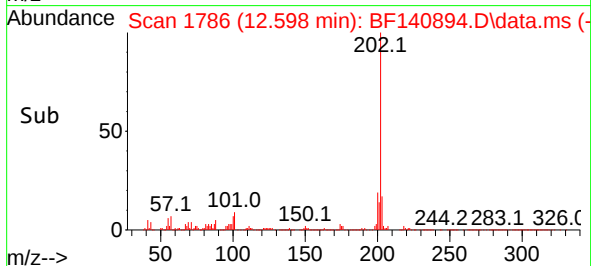
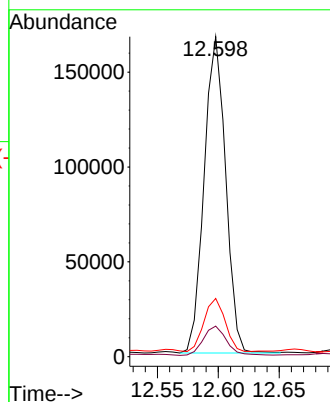
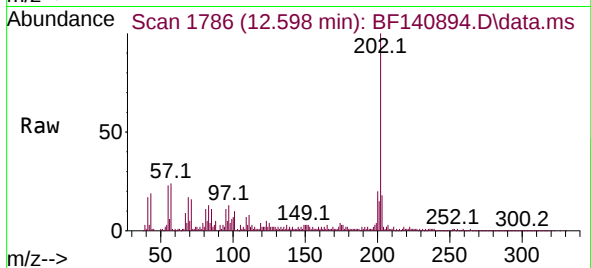
Tgt Ion:202 Resp: 205355

Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.3

203 18.2 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

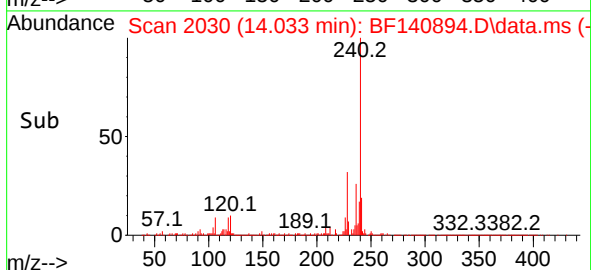
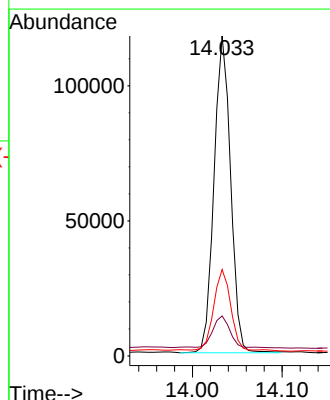
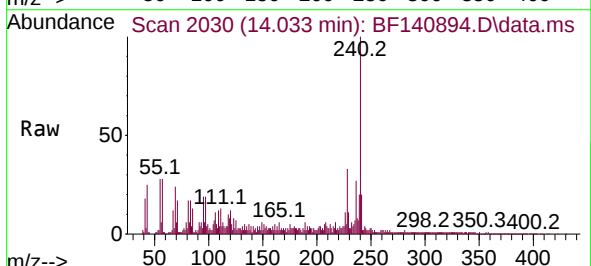
Tgt Ion:240 Resp: 150320

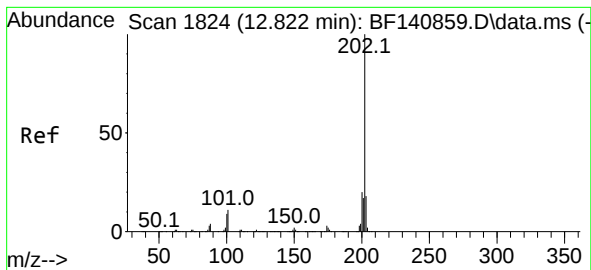
Ion Ratio Lower Upper

240 100

120 12.5 7.6 11.4#

236 27.0 20.5 30.7





#78

Pyrene

Concen: 15.459 ng

RT: 12.827 min Scan# 1824

Delta R.T. 0.006 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

Instrument :

BNA_F

ClientSampleId :

HR-04-121624

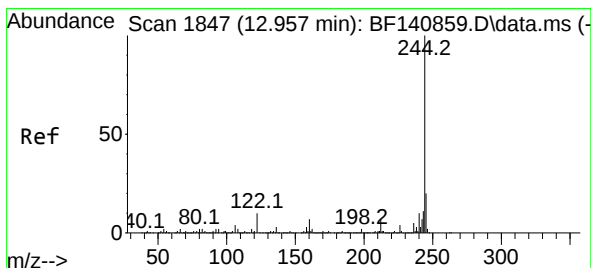
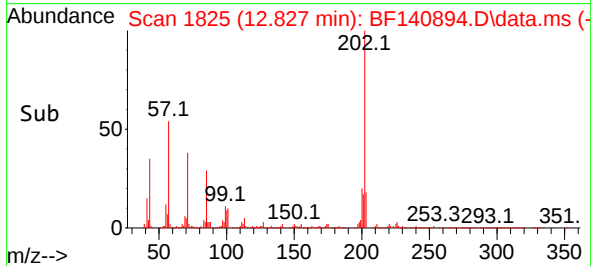
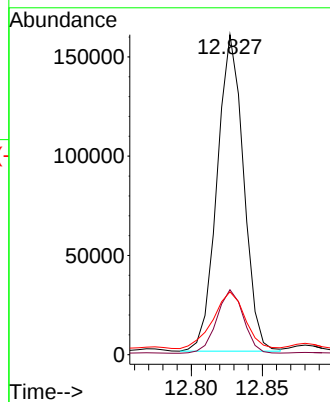
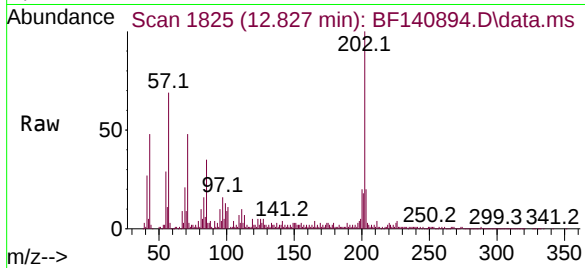
Tgt Ion:202 Resp: 206639

Ion Ratio Lower Upper

202 100

200 20.3 16.1 24.1

203 19.7 14.2 21.4



#79

Terphenyl-d14

Concen: 66.340 ng

RT: 12.963 min Scan# 1848

Delta R.T. 0.006 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

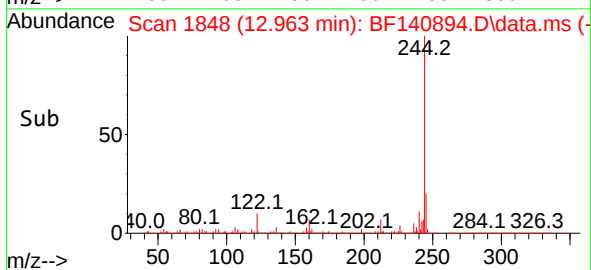
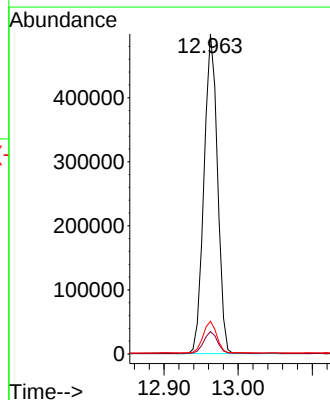
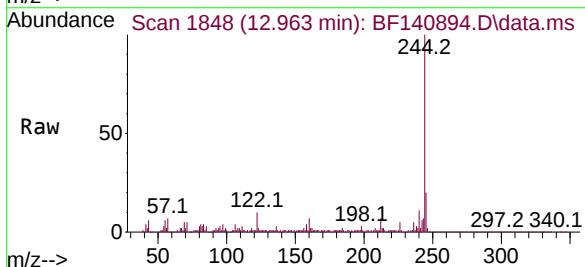
Tgt Ion:244 Resp: 632409

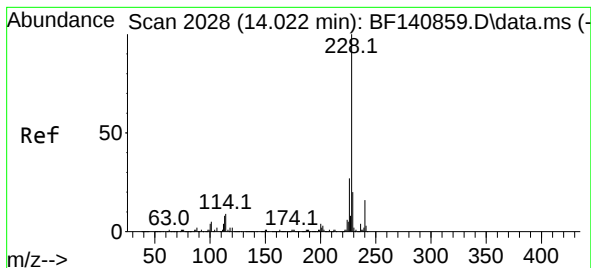
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.3 8.2 12.2





#81

Benzo(a)anthracene

Concen: 8.510 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

Instrument :

BNA_F

ClientSampleId :

HR-04-121624

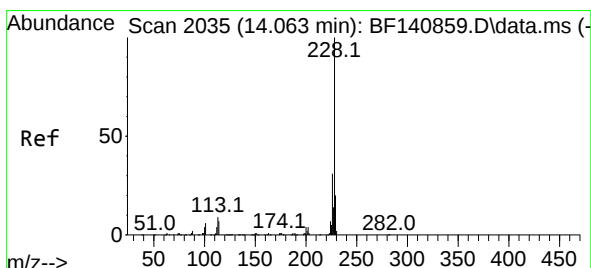
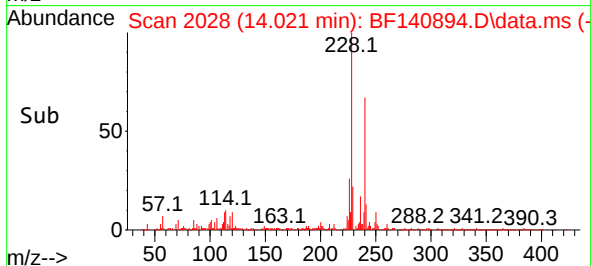
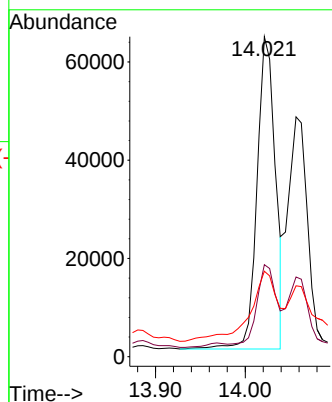
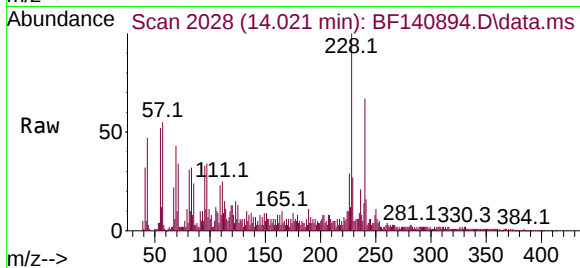
Tgt Ion:228 Resp: 90665

Ion Ratio Lower Upper

228 100

226 28.8 21.8 32.8

229 26.7 15.8 23.8#



#83

Chrysene

Concen: 7.300 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

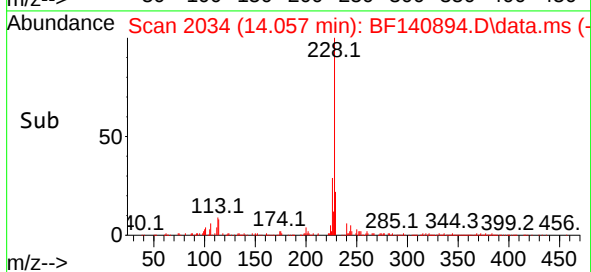
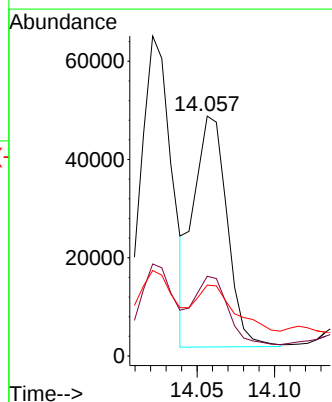
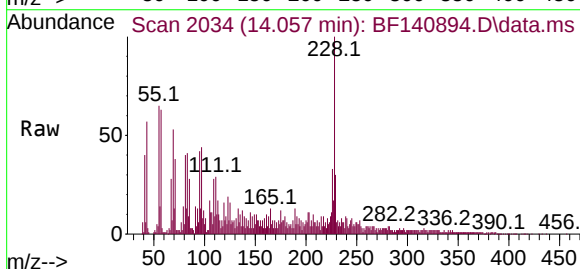
Tgt Ion:228 Resp: 70723

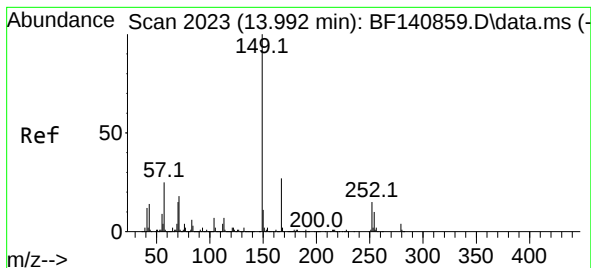
Ion Ratio Lower Upper

228 100

226 33.2 24.1 36.1

229 29.6 16.0 24.0#

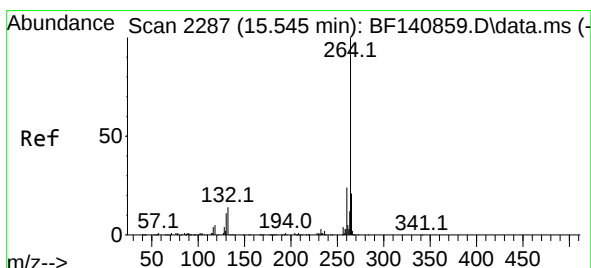
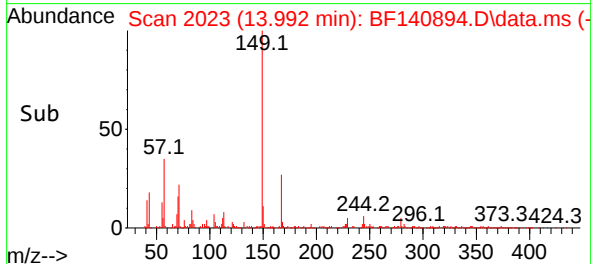
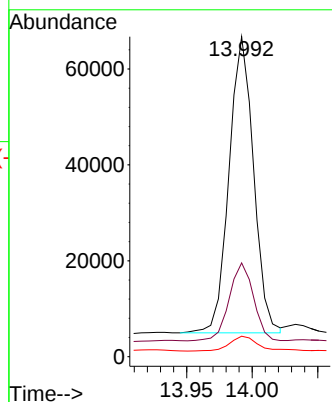
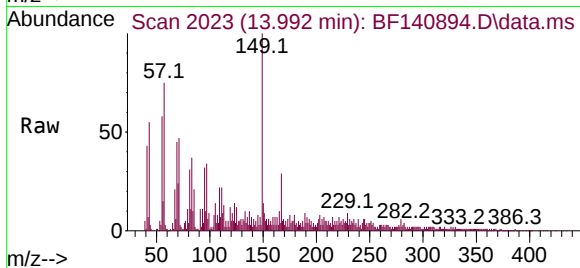




#84
Bis(2-ethylhexyl)phthalate
Concen: 12.664 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

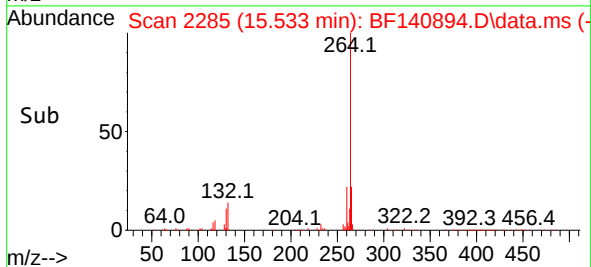
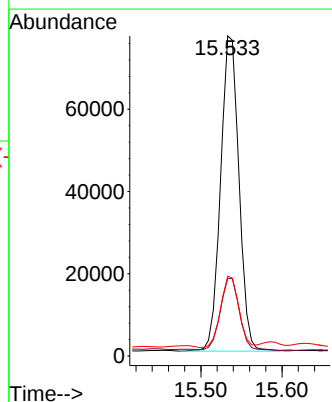
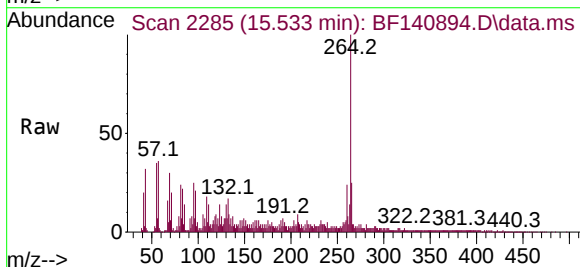
Instrument :
BNA_F
ClientSampleId :
HR-04-121624

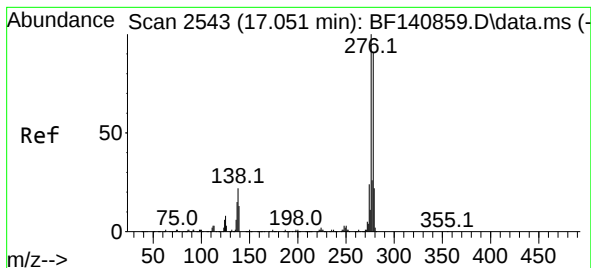
Tgt Ion:149 Resp: 80313
Ion Ratio Lower Upper
149 100
167 29.3 21.8 32.8
279 6.4 3.5 5.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.012 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

Tgt Ion:264 Resp: 120944
Ion Ratio Lower Upper
264 100
260 24.3 19.1 28.7
265 24.9 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.618 ng

RT: 17.051 min Scan# 2111

Delta R.T. -0.000 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

Instrument :

BNA_F

ClientSampleId :

HR-04-121624

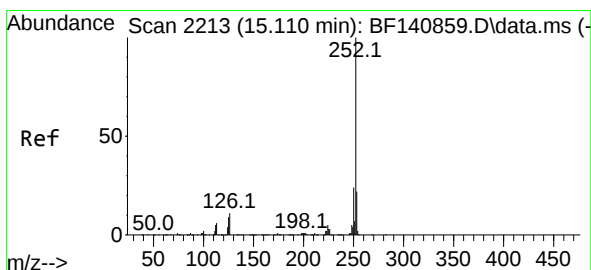
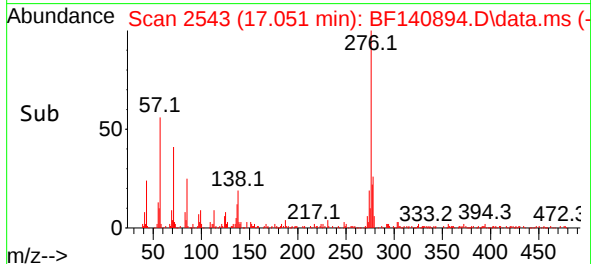
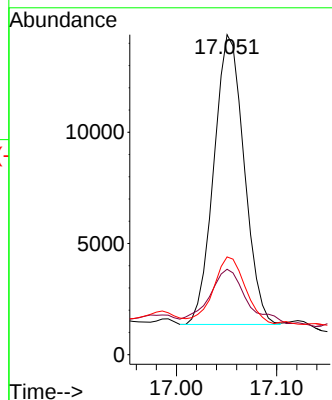
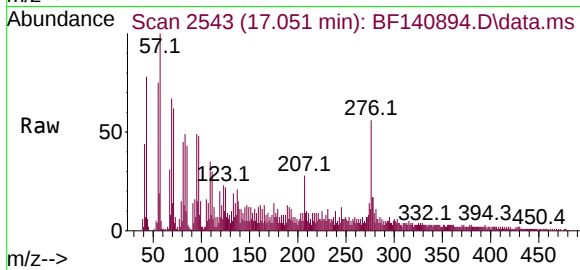
Tgt Ion:276 Resp: 27306

Ion Ratio Lower Upper

276 100

138 26.5 16.9 25.3#

277 25.1 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 10.881 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

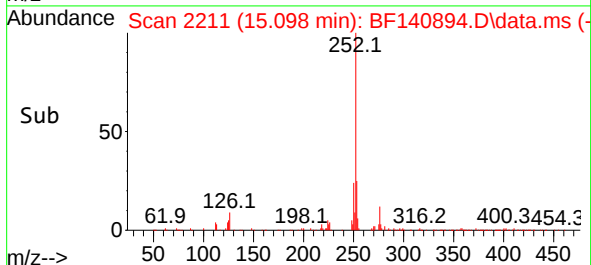
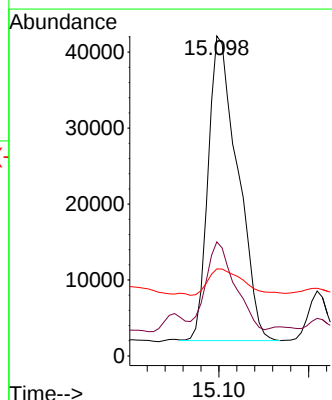
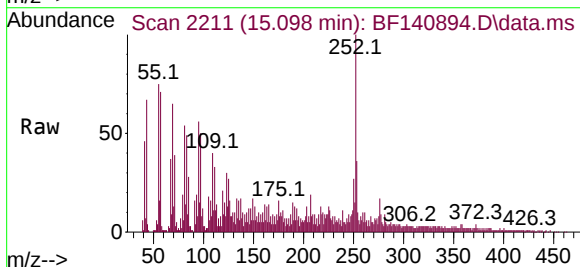
Tgt Ion:252 Resp: 91349

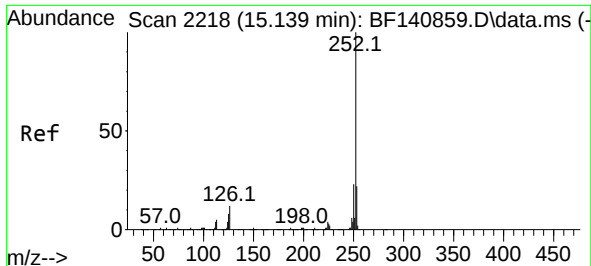
Ion Ratio Lower Upper

252 100

253 35.7 17.8 26.6#

125 27.2 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 12.685 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

Instrument :

BNA_F

ClientSampleId :

HR-04-121624

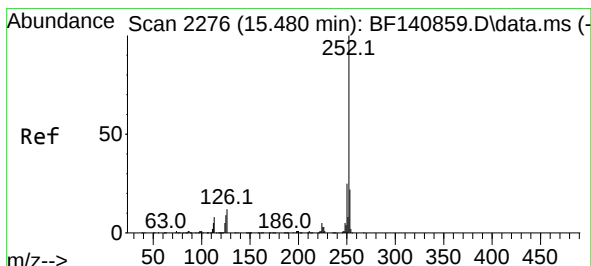
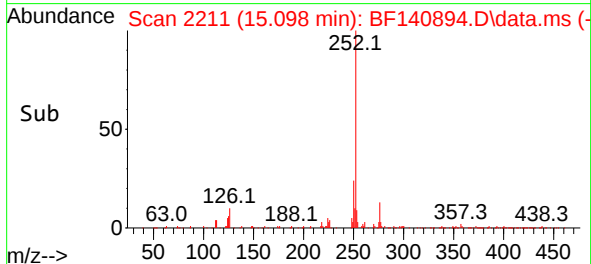
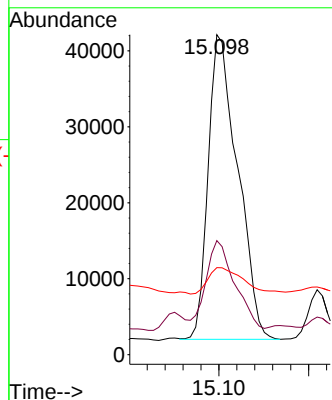
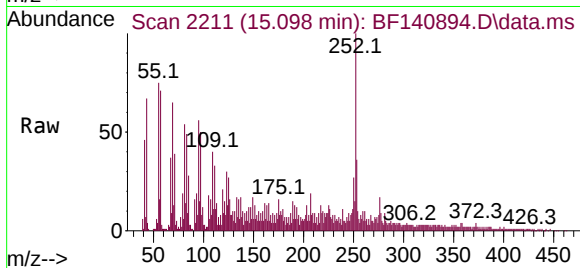
Tgt Ion:252 Resp: 91349

Ion Ratio Lower Upper

252 100

253 35.7 17.5 26.3#

125 27.2 6.8 10.2#



#90

Benzo(a)pyrene

Concen: 6.791 ng

RT: 15.474 min Scan# 2275

Delta R.T. -0.006 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

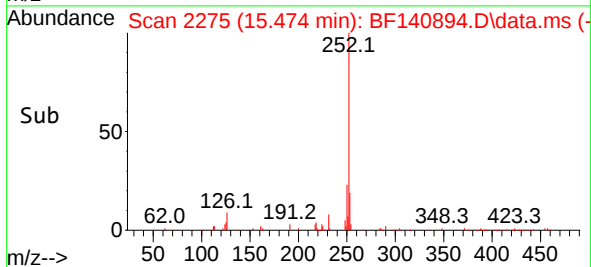
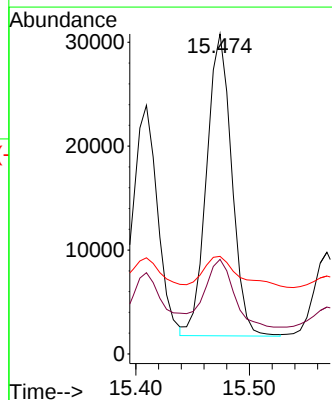
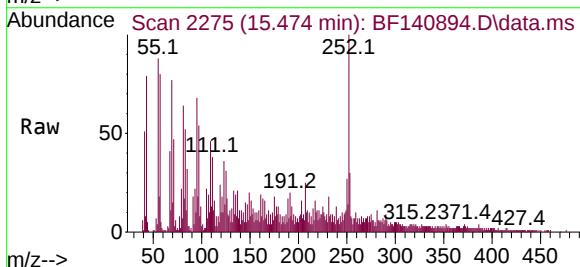
Tgt Ion:252 Resp: 44646

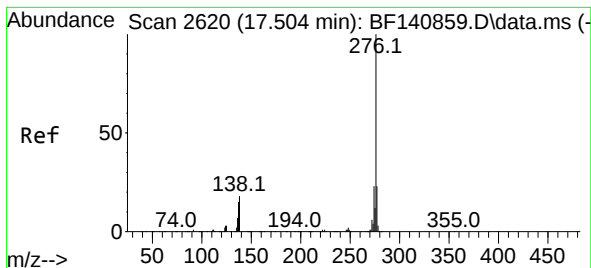
Ion Ratio Lower Upper

252 100

253 29.6 17.5 26.3#

125 30.5 7.5 11.3#





#92

Benzo(g,h,i)perylene

Concen: 3.964 ng

RT: 17.515 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF140894.D

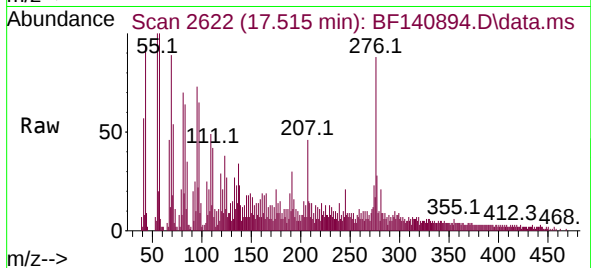
Acq: 17 Dec 2024 19:07

Instrument :

BNA_F

ClientSampleId :

HR-04-121624



Tgt Ion:276 Resp: 25223

Ion Ratio Lower Upper

276 100

277 31.5 18.7 28.1#

138 26.6 14.2 21.2#

