

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
 Data File : BF140763.D
 Acq On : 06 Dec 2024 13:48
 Operator : RC/JU
 Sample : P5133-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-24-00374

Quant Time: Dec 06 23:26:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

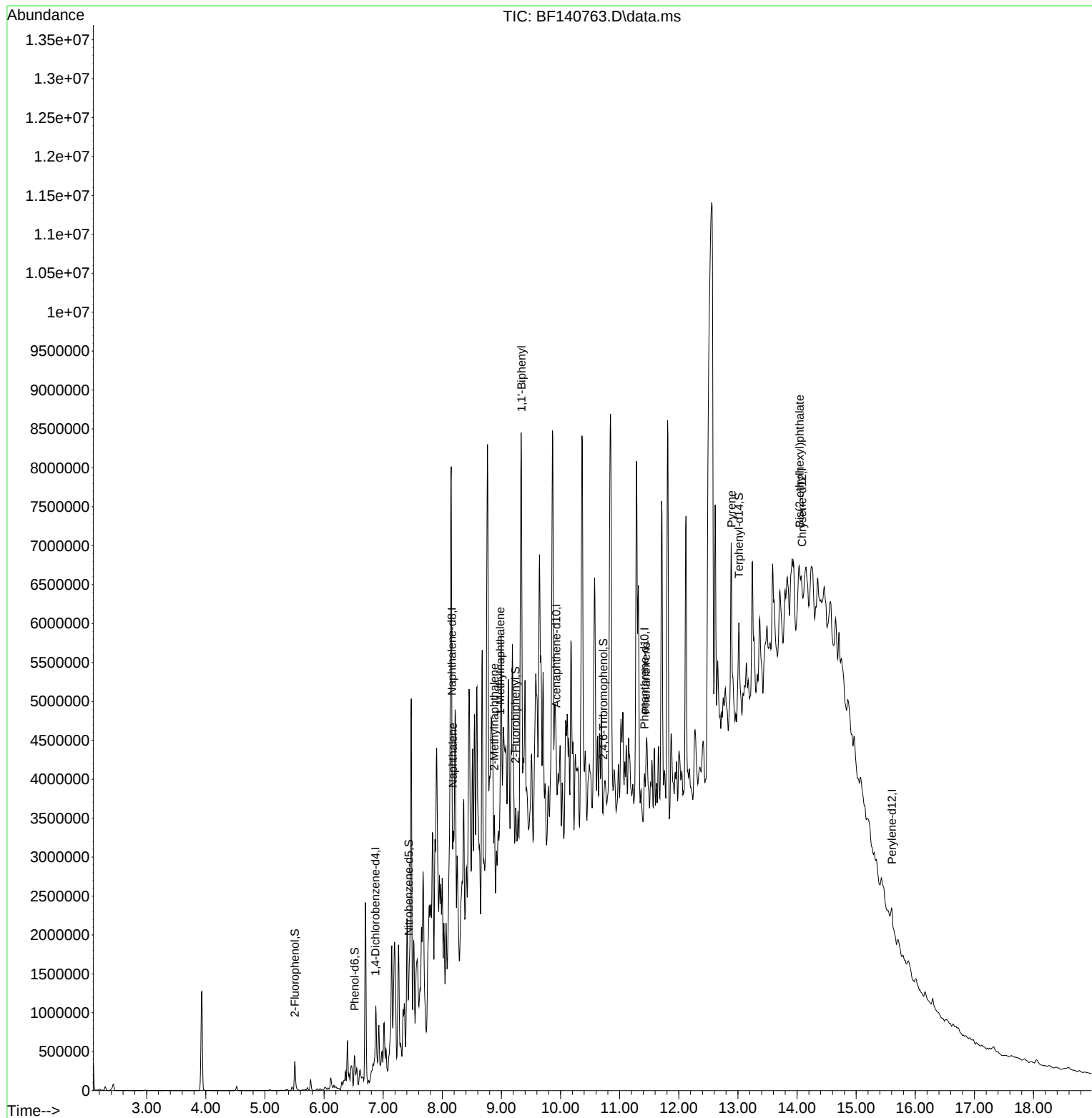
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	58120	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	154680	20.000	ng	# 0.00
39) Acenaphthene-d10	9.928	164	96966	20.000	ng	0.01
64) Phenanthrene-d10	11.422	188	149935	20.000	ng	# 0.02
76) Chrysene-d12	14.086	240	120887	20.000	ng	# 0.04
86) Perylene-d12	15.604	264	110610	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	169241	49.684	ng	0.00
7) Phenol-d6	6.516	99	205729	45.684	ng	0.00
23) Nitrobenzene-d5	7.434	82	134918	44.615	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	38693	37.310	ng	0.02
45) 2-Fluorobiphenyl	9.239	172	201545	30.969	ng	0.00
79) Terphenyl-d14	13.016	244	214084	27.576	ng	0.02
Target Compounds						Qvalue
31) Naphthalene	8.181	128	196863	24.709	ng	# 69
37) 2-Methylnaphthalene	8.881	142	331297	65.467	ng	99
38) 1-Methylnaphthalene	8.981	142	198463	40.010	ng	92
46) 1,1'-Biphenyl	9.339	154	103128	14.245	ng	96
71) Phenanthrene	11.445	178	57524	7.981	ng	# 61
78) Pyrene	12.892	202	52959	4.738	ng	# 78
84) Bis(2-ethylhexyl)phtha...	14.045	149	83246	16.373	ng	# 73

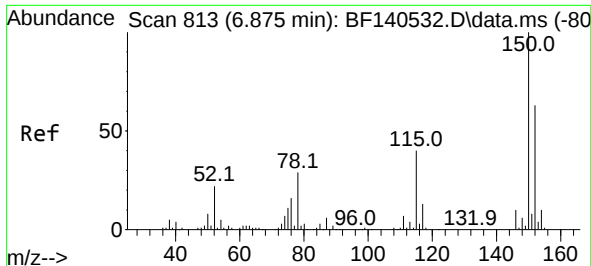
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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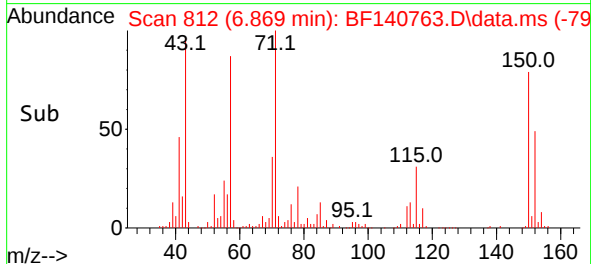
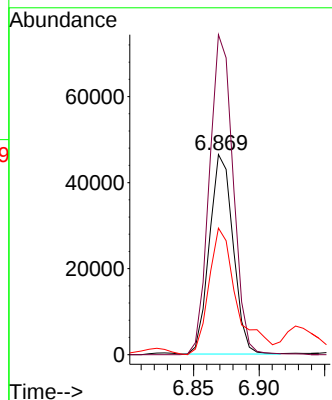
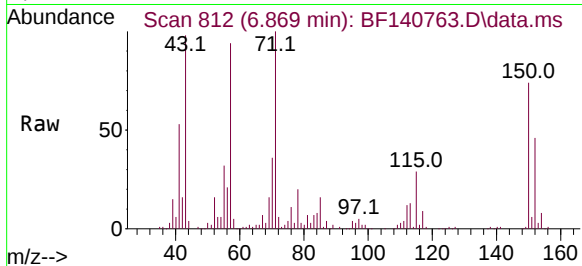




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140763.D
Acq: 06 Dec 2024 13:48

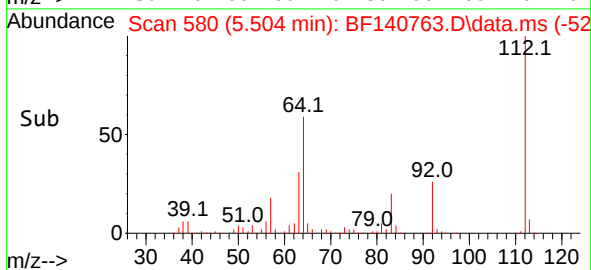
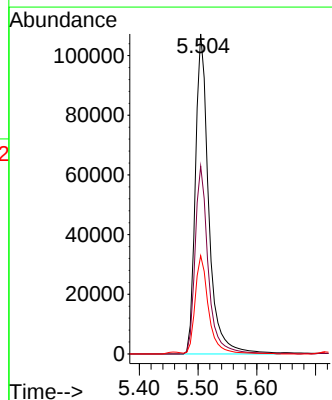
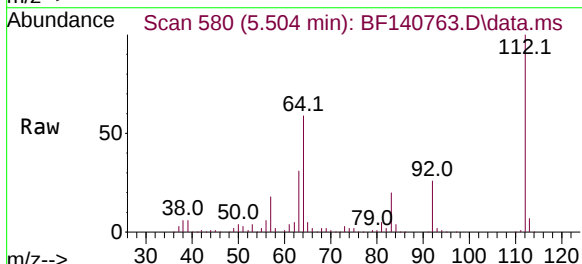
Instrument :
BNA_F
ClientSampleId :
MOO-24-00374

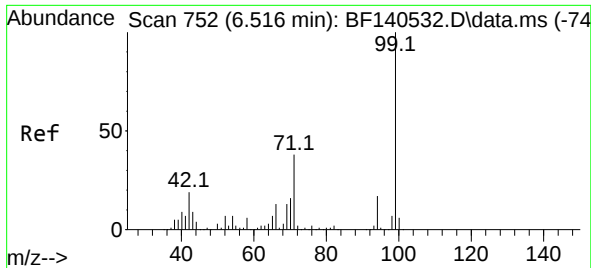
Tgt Ion:152 Resp: 58120
Ion Ratio Lower Upper
152 100
150 159.8 128.5 192.7
115 63.2 50.2 75.4



#5
2-Fluorophenol
Concen: 49.684 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140763.D
Acq: 06 Dec 2024 13:48

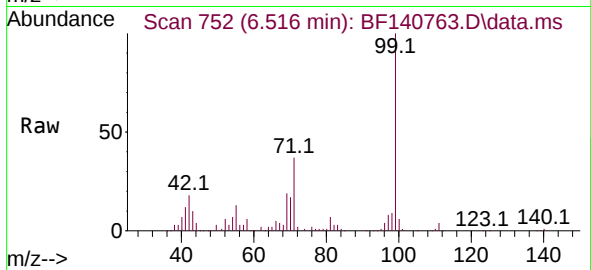
Tgt Ion:112 Resp: 169241
Ion Ratio Lower Upper
112 100
64 58.7 49.2 73.8
63 30.7 27.0 40.4



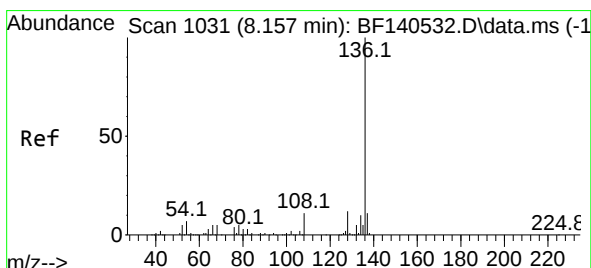
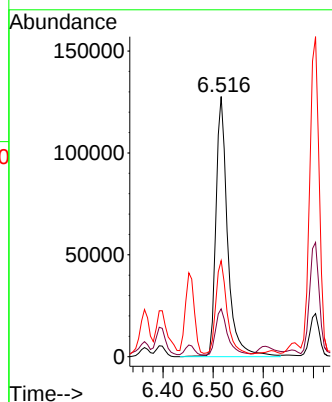
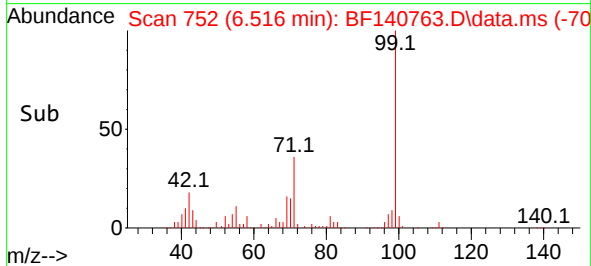


#7
Phenol-d6
Concen: 45.684 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140763.D
Acq: 06 Dec 2024 13:48

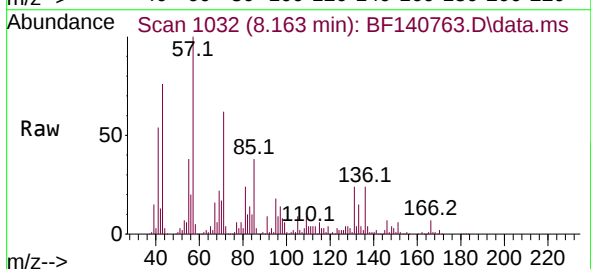
Instrument :
BNA_F
ClientSampleId :
MOO-24-00374



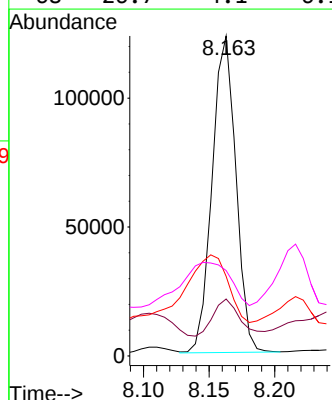
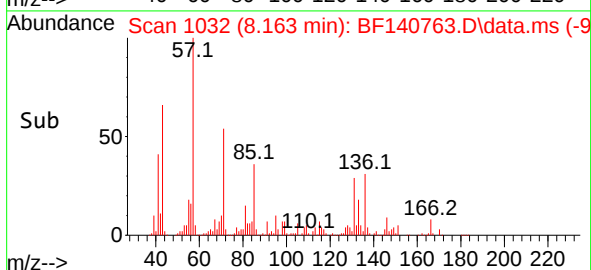
Tgt Ion: 99 Resp: 205729
Ion Ratio Lower Upper
99 100
42 18.4 15.4 23.0
71 36.9 30.6 46.0

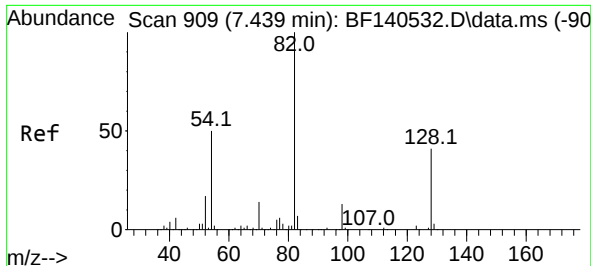


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. 0.006 min
Lab File: BF140763.D
Acq: 06 Dec 2024 13:48



Tgt Ion: 136 Resp: 154680
Ion Ratio Lower Upper
136 100
137 17.8 8.6 13.0#
54 24.9 5.8 8.8#
68 26.7 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 44.615 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140763.D

Acq: 06 Dec 2024 13:48

Instrument :

BNA_F

ClientSampleId :

MOO-24-00374

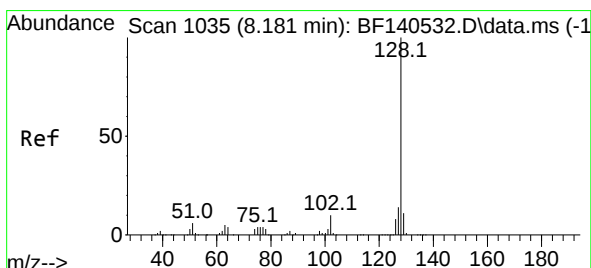
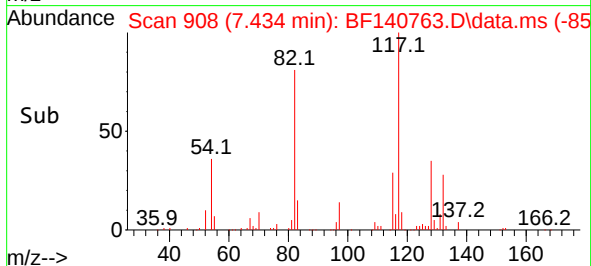
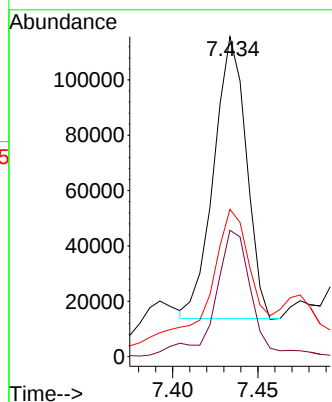
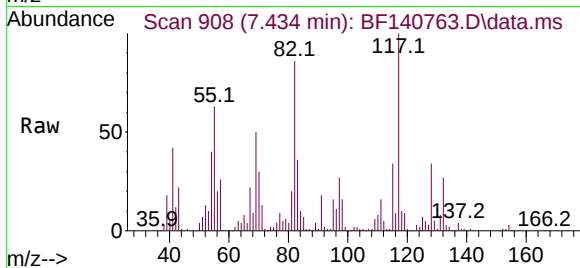
Tgt Ion: 82 Resp: 134918

Ion Ratio Lower Upper

82 100

128 39.5 33.0 49.4

54 46.1 39.5 59.3



#31

Naphthalene

Concen: 24.709 ng

RT: 8.181 min Scan# 1035

Delta R.T. 0.000 min

Lab File: BF140763.D

Acq: 06 Dec 2024 13:48

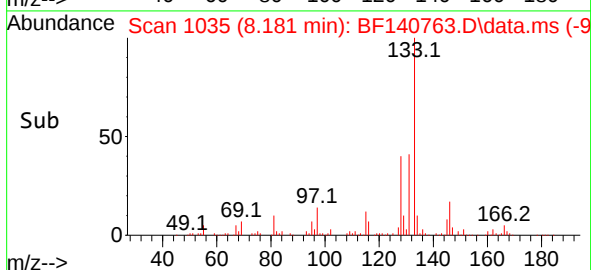
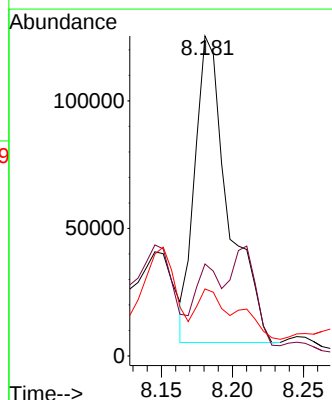
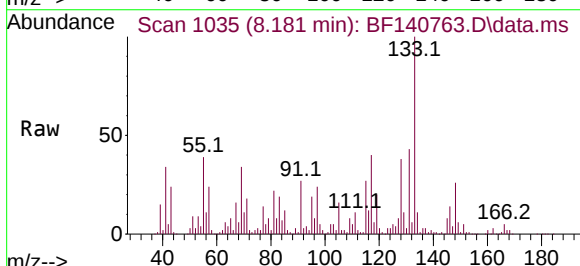
Tgt Ion:128 Resp: 196863

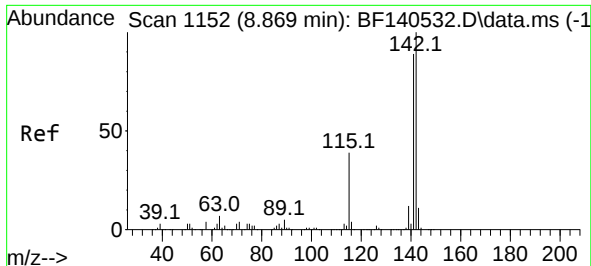
Ion Ratio Lower Upper

128 100

129 28.7 8.6 13.0#

127 21.0 10.8 16.2#





#37

2-Methylnaphthalene

Concen: 65.467 ng

RT: 8.881 min Scan# 1152

Delta R.T. 0.012 min

Lab File: BF140763.D

Acq: 06 Dec 2024 13:48

Instrument :

BNA_F

ClientSampleId :

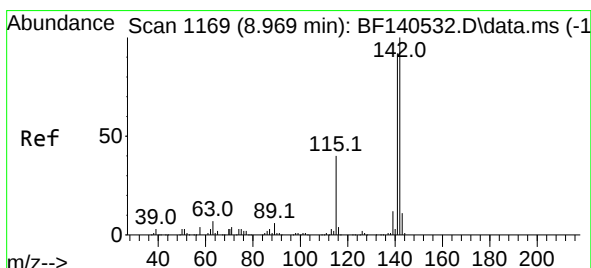
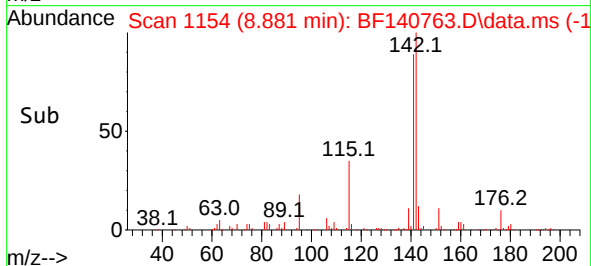
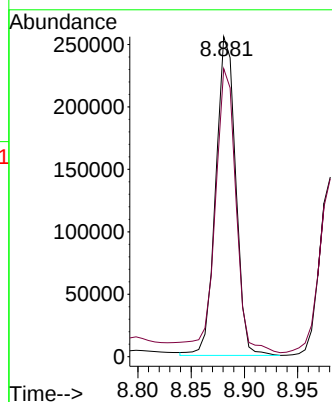
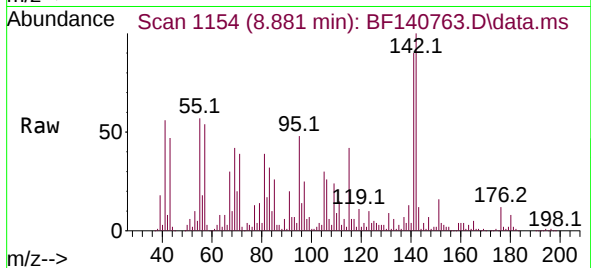
MOO-24-00374

Tgt Ion:142 Resp: 331297

Ion Ratio Lower Upper

142 100

141 90.0 71.0 106.6



#38

1-Methylnaphthalene

Concen: 40.010 ng

RT: 8.981 min Scan# 1171

Delta R.T. 0.012 min

Lab File: BF140763.D

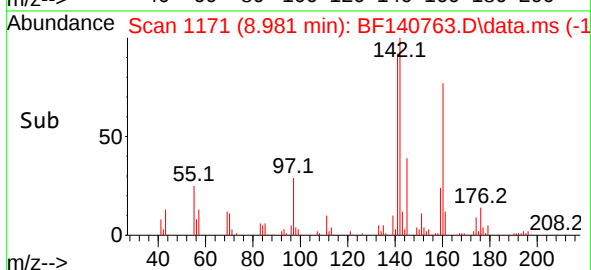
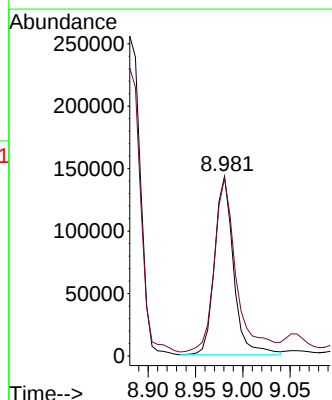
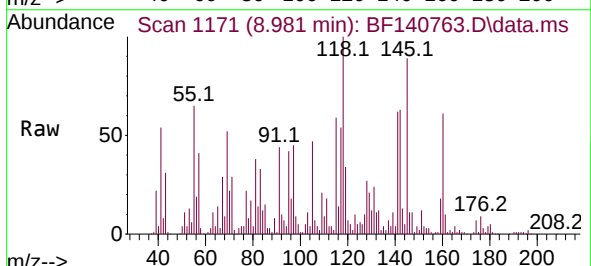
Acq: 06 Dec 2024 13:48

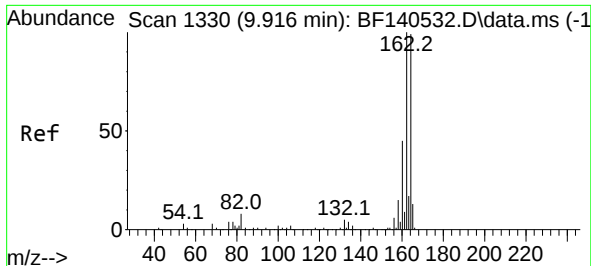
Tgt Ion:142 Resp: 198463

Ion Ratio Lower Upper

142 100

141 99.2 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF140763.D

Acq: 06 Dec 2024 13:48

Instrument :

BNA_F

ClientSampleId :

MOO-24-00374

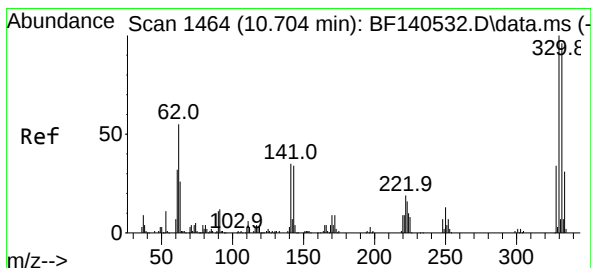
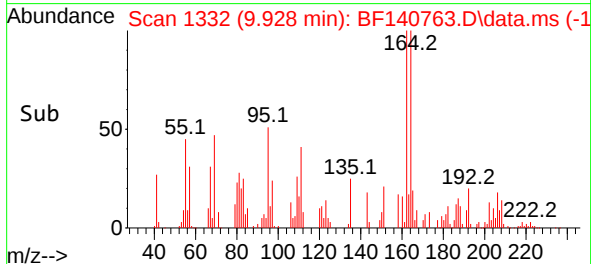
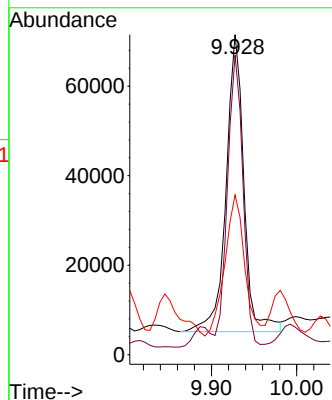
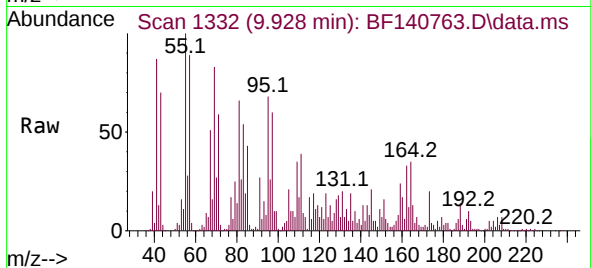
Tgt Ion:164 Resp: 96966

Ion Ratio Lower Upper

164 100

162 93.6 80.6 120.8

160 49.9 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 37.310 ng

RT: 10.722 min Scan# 1467

Delta R.T. 0.018 min

Lab File: BF140763.D

Acq: 06 Dec 2024 13:48

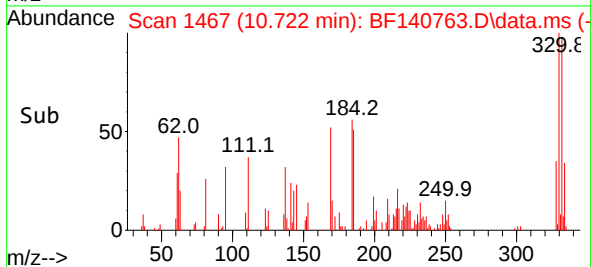
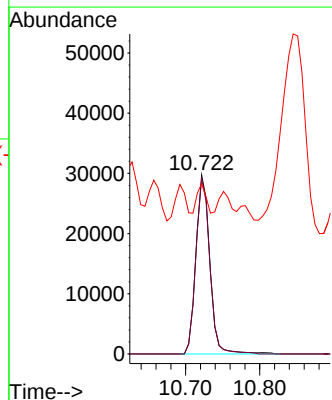
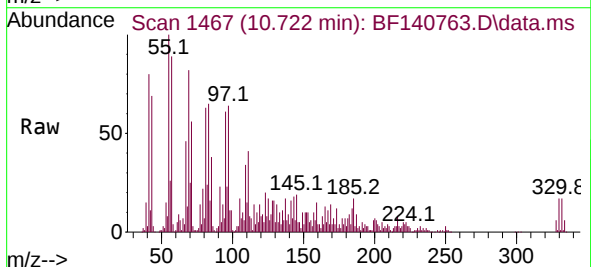
Tgt Ion:330 Resp: 38693

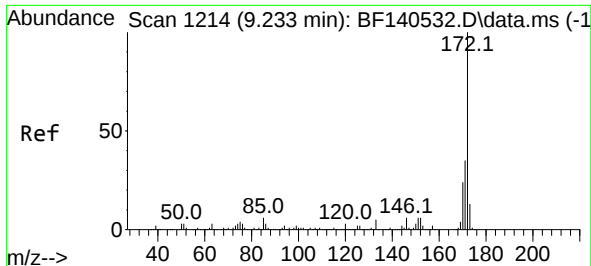
Ion Ratio Lower Upper

330 100

332 98.0 76.9 115.3

141 10.2 26.7 40.1#

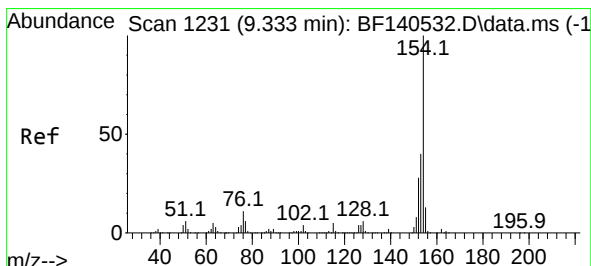
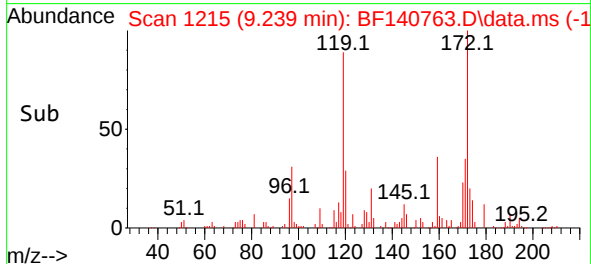
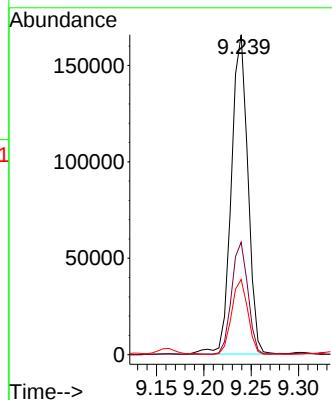
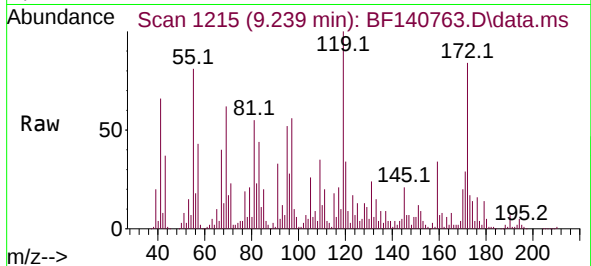




#45
2-Fluorobiphenyl
Concen: 30.969 ng
RT: 9.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140763.D
Acq: 06 Dec 2024 13:48

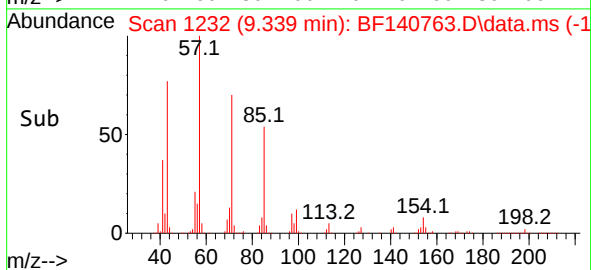
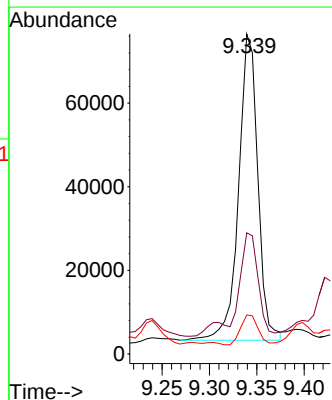
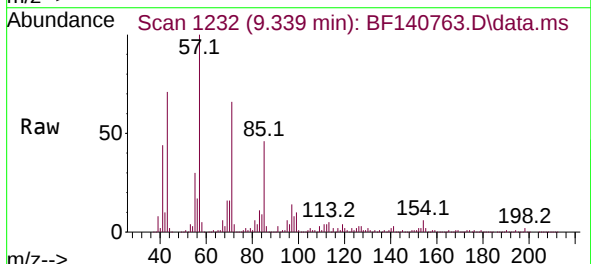
Instrument :
BNA_F
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MOO-24-00374

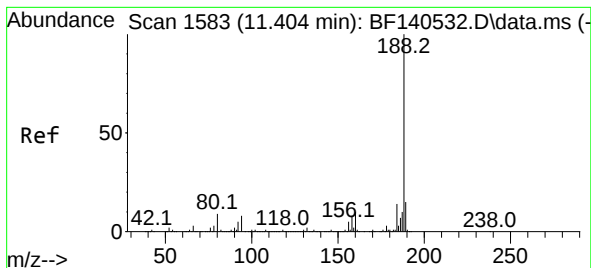
Tgt Ion:172 Resp: 201545
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.5 19.0 28.6



#46
1,1'-Biphenyl
Concen: 14.245 ng
RT: 9.339 min Scan# 1232
Delta R.T. 0.006 min
Lab File: BF140763.D
Acq: 06 Dec 2024 13:48

Tgt Ion:154 Resp: 103128
Ion Ratio Lower Upper
154 100
153 37.8 20.4 60.4
76 12.2 0.0 31.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF140763.D

Acq: 06 Dec 2024 13:48

Instrument :

BNA_F

ClientSampleId :

MOO-24-00374

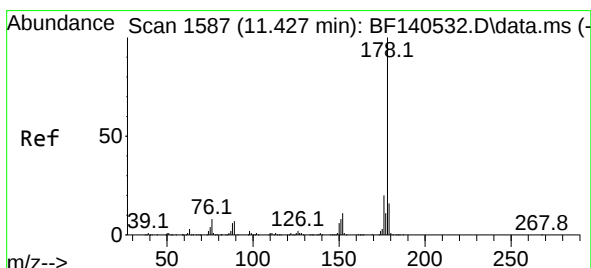
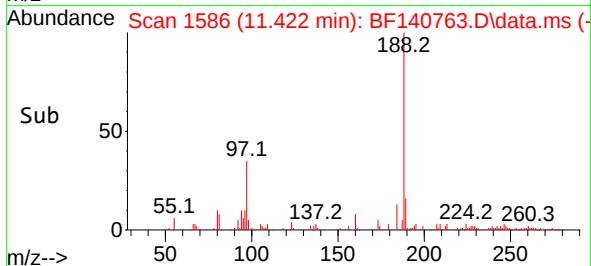
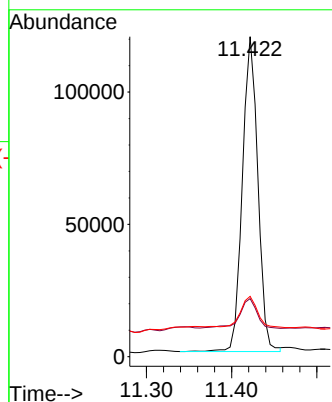
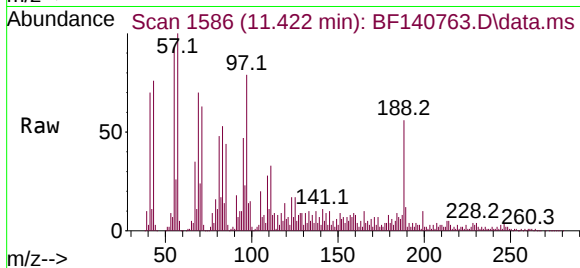
Tgt Ion:188 Resp: 149935

Ion Ratio Lower Upper

188 100

94 18.2 6.4 9.6#

80 18.9 6.9 10.3#



#71

Phenanthrene

Concen: 7.981 ng

RT: 11.445 min Scan# 1590

Delta R.T. 0.018 min

Lab File: BF140763.D

Acq: 06 Dec 2024 13:48

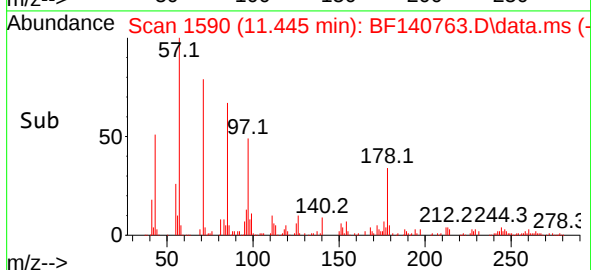
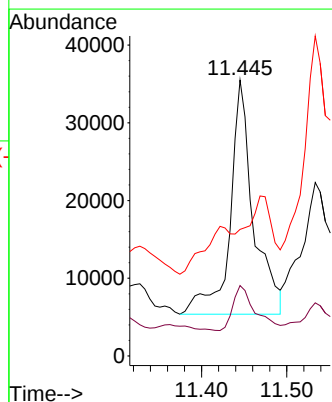
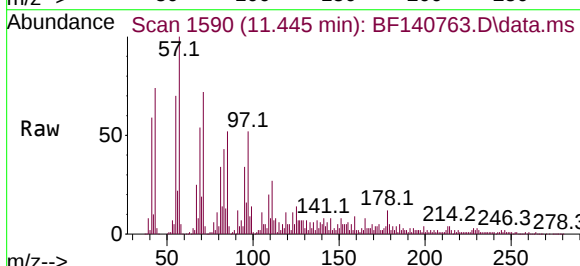
Tgt Ion:178 Resp: 57524

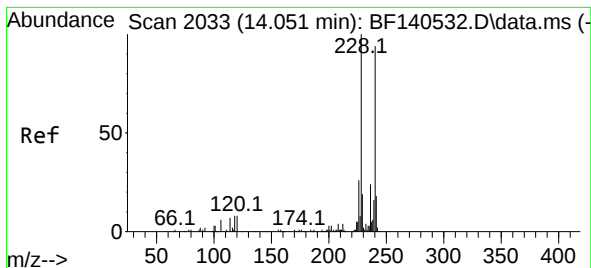
Ion Ratio Lower Upper

178 100

176 25.5 15.8 23.6#

179 45.9 12.4 18.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.086 min Scan# 2033

Delta R.T. 0.035 min

Lab File: BF140763.D

Acq: 06 Dec 2024 13:48

Instrument :

BNA_F

ClientSampleId :

MOO-24-00374

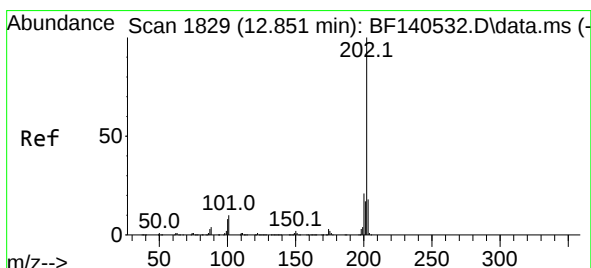
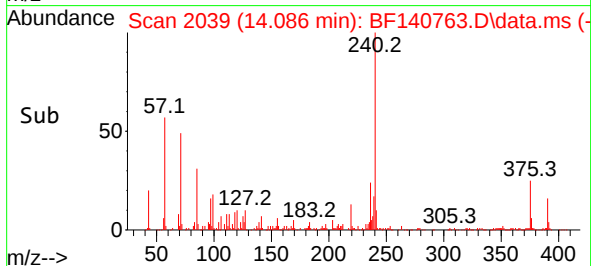
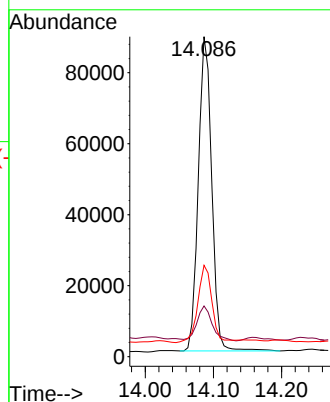
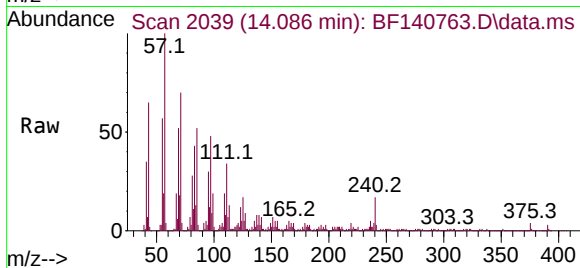
Tgt Ion:240 Resp: 120887

Ion Ratio Lower Upper

240 100

120 15.8 7.3 10.9#

236 28.6 20.6 31.0



#78

Pyrene

Concen: 4.738 ng

RT: 12.892 min Scan# 1836

Delta R.T. 0.041 min

Lab File: BF140763.D

Acq: 06 Dec 2024 13:48

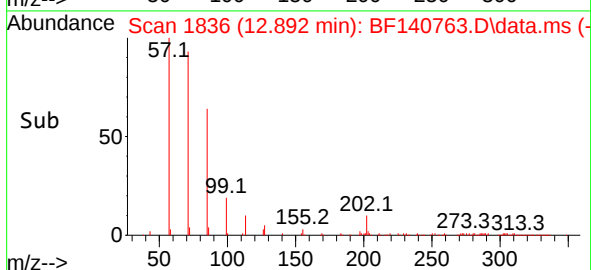
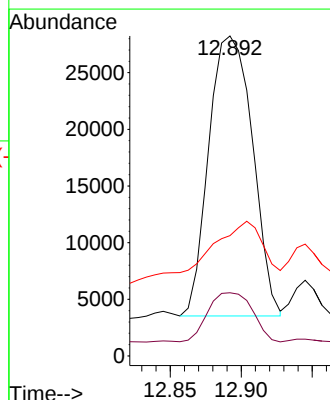
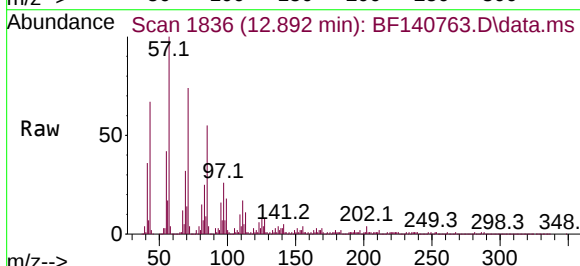
Tgt Ion:202 Resp: 52959

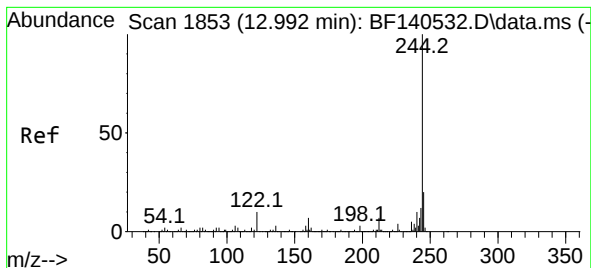
Ion Ratio Lower Upper

202 100

200 19.7 16.5 24.7

203 37.6 14.2 21.4#





#79

Terphenyl-d14

Concen: 27.576 ng

RT: 13.016 min Scan# 1

Delta R.T. 0.024 min

Lab File: BF140763.D

Acq: 06 Dec 2024 13:48

Instrument :

BNA_F

ClientSampleId :

MOO-24-00374

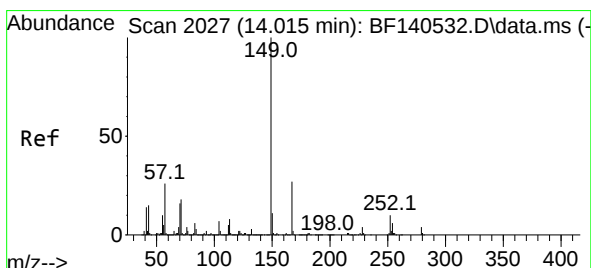
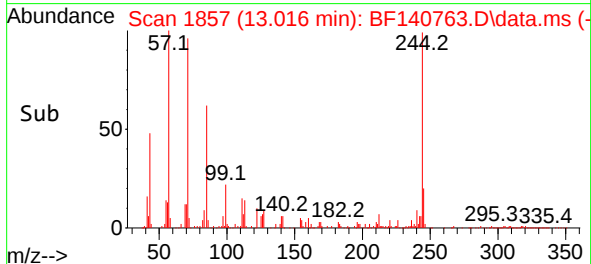
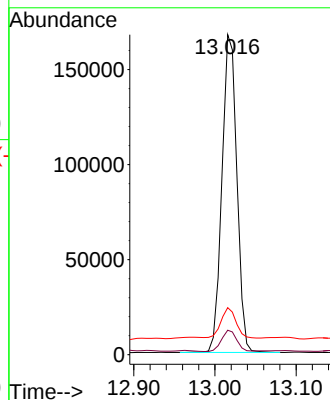
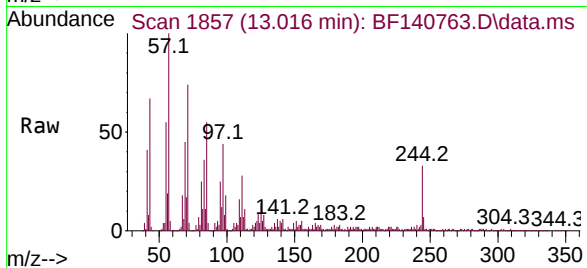
Tgt Ion:244 Resp: 214084

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

122 14.7 8.0 12.0#



#84

Bis(2-ethylhexyl)phthalate

Concen: 16.373 ng

RT: 14.045 min Scan# 2032

Delta R.T. 0.029 min

Lab File: BF140763.D

Acq: 06 Dec 2024 13:48

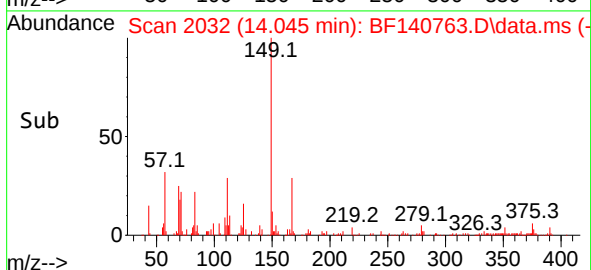
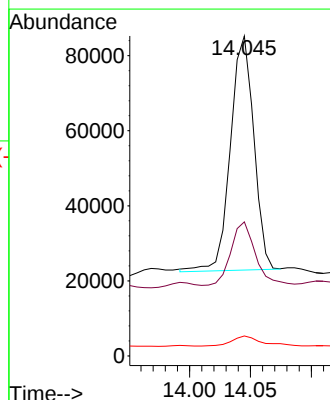
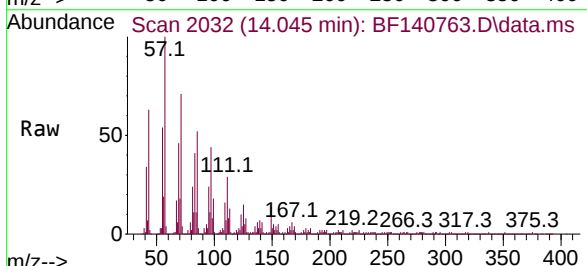
Tgt Ion:149 Resp: 83246

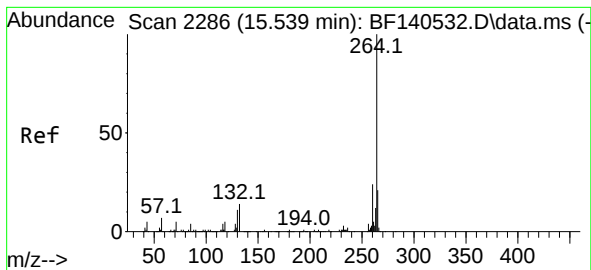
Ion Ratio Lower Upper

149 100

167 41.9 21.2 31.8#

279 6.3 3.2 4.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.604 min Scan# 21
 Delta R.T. 0.065 min
 Lab File: BF140763.D
 Acq: 06 Dec 2024 13:48

Instrument :
 BNA_F
 ClientSampleId :
 MOO-24-00374

Tgt Ion:	264	Resp:	110610
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.0	28.6
265	22.1	16.6	25.0

