

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121124\
 Data File : BF140837.D
 Acq On : 11 Dec 2024 18:47
 Operator : RC/JU
 Sample : P5216-05RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-743RE

Quant Time: Dec 12 00:05:50 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)

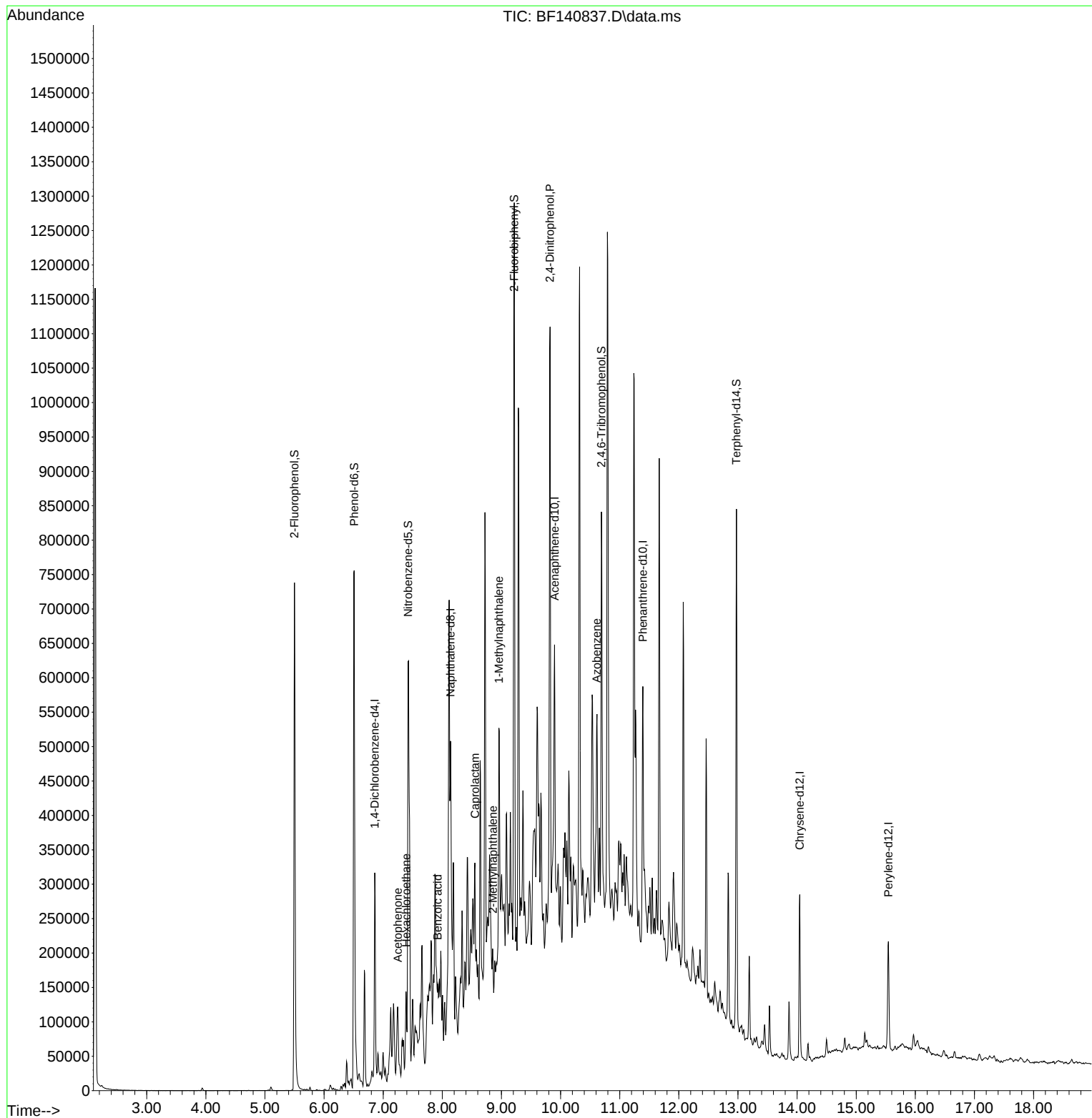
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	57236	20.000	ng	-0.02
21) Naphthalene-d8	8.139	136	213386	20.000	ng	-0.02
39) Acenaphthene-d10	9.898	164	113832	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	182240	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	116195	20.000	ng	0.00
86) Perylene-d12	15.545	264	95140	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	303703	90.534	ng	0.00
7) Phenol-d6	6.510	99	396483	89.402	ng	0.00
23) Nitrobenzene-d5	7.422	82	247708	59.378	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	101776	83.598	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	469243	61.419	ng	-0.02
79) Terphenyl-d14	12.974	244	356861	47.823	ng	-0.02
Target Compounds						
						Qvalue
18) Hexachloroethane	7.386	117	7671	5.002	ng	# 1
22) Acetophenone	7.245	105	19472	3.743	ng	# 53
32) Benzoic acid	7.922	122	188	7.272	ng	# 1
35) Caprolactam	8.551	113	5480	5.845	ng	# 1
37) 2-Methylnaphthalene	8.857	142	22289	3.193	ng	98
38) 1-Methylnaphthalene	8.957	142	14477	2.116	ng	82
54) 2,4-Dinitrophenol	9.822	184	53	7.877	ng	# 1
63) Azobenzene	10.610	77	64529	8.946	ng	# 1

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

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Instrument :
BNA_F
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Quant Time: Dec 12 00:05:50 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

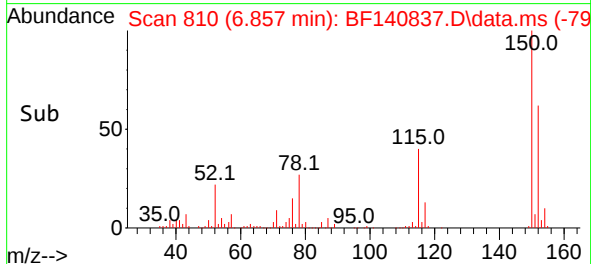
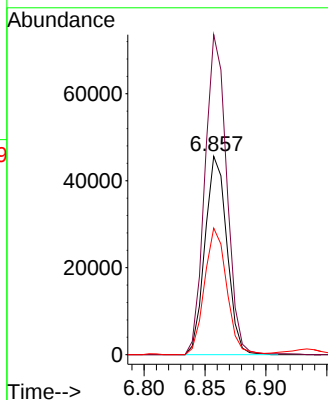
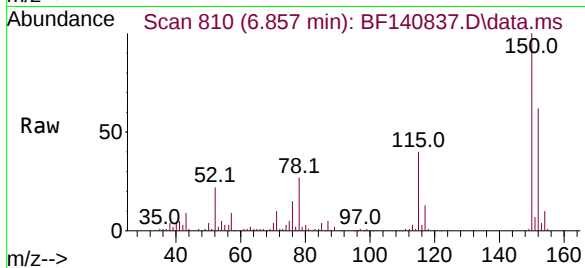




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. -0.018 min
Lab File: BF140837.D
Acq: 11 Dec 2024 18:47

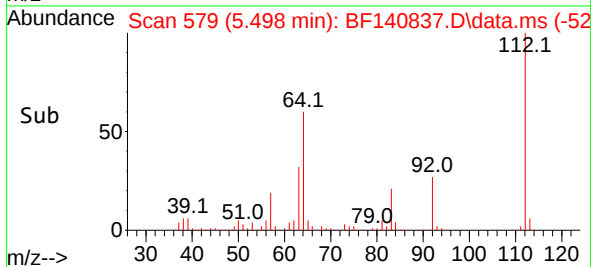
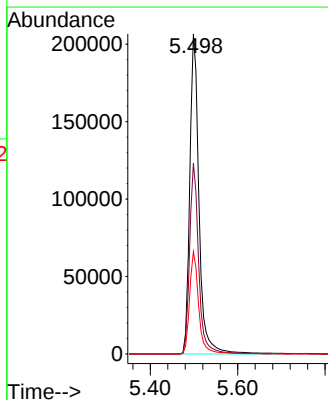
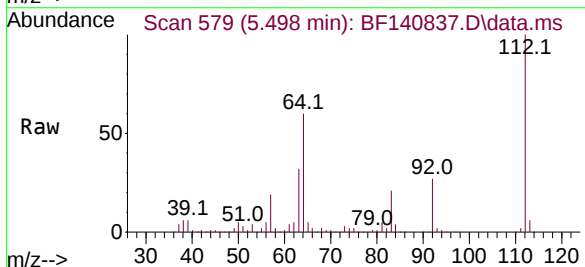
Instrument :
BNA_F
ClientSampleId :
MH-743RE

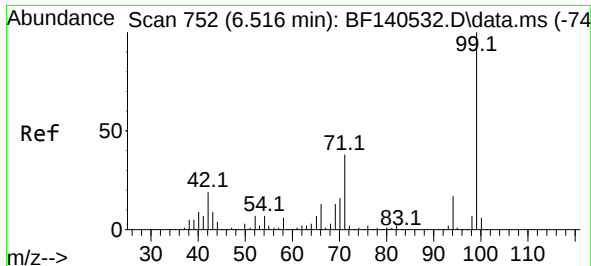
Tgt Ion:152 Resp: 57236
Ion Ratio Lower Upper
152 100
150 161.2 128.5 192.7
115 63.8 50.2 75.4



#5
2-Fluorophenol
Concen: 90.534 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF140837.D
Acq: 11 Dec 2024 18:47

Tgt Ion:112 Resp: 303703
Ion Ratio Lower Upper
112 100
64 59.5 49.2 73.8
63 32.0 27.0 40.4

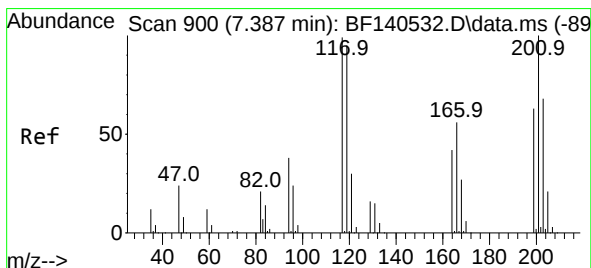
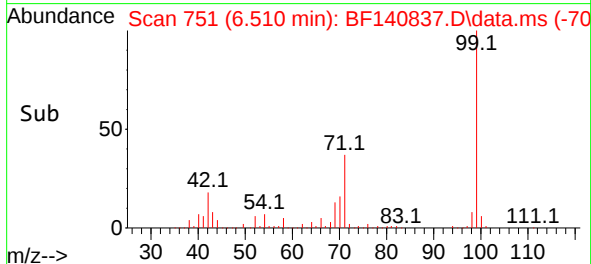
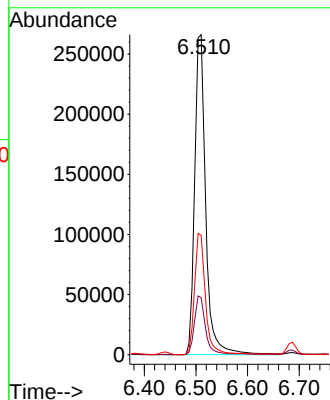
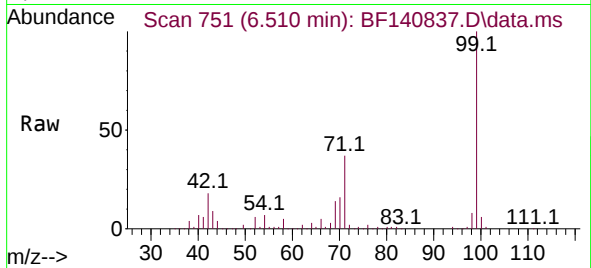




#7
Phenol-d6
Concen: 89.402 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140837.D
Acq: 11 Dec 2024 18:47

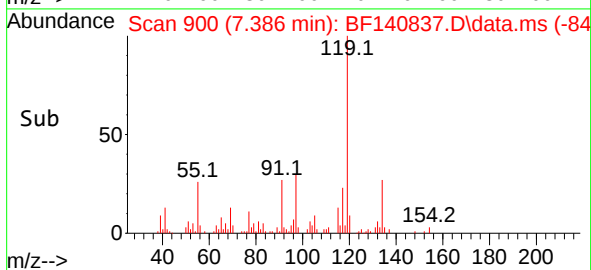
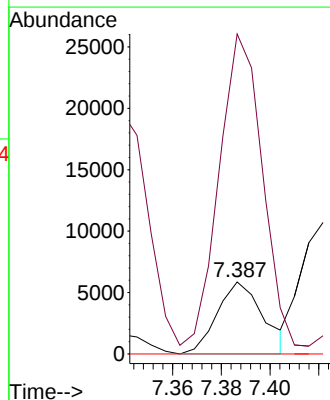
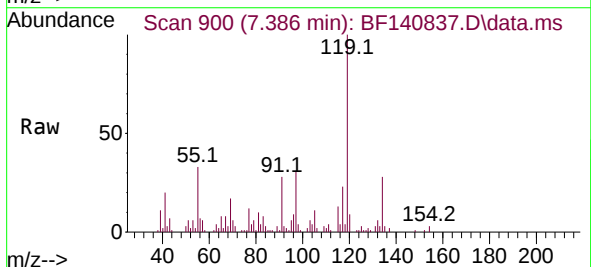
Instrument :
BNA_F
ClientSampleId :
MH-743RE

Tgt Ion: 99 Resp: 396483
Ion Ratio Lower Upper
99 100
42 17.8 15.4 23.0
71 37.3 30.6 46.0



#18
Hexachloroethane
Concen: 5.002 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF140837.D
Acq: 11 Dec 2024 18:47

Tgt Ion: 117 Resp: 7671
Ion Ratio Lower Upper
117 100
119 444.4 77.1 115.7#
201 0.0 81.1 121.7#

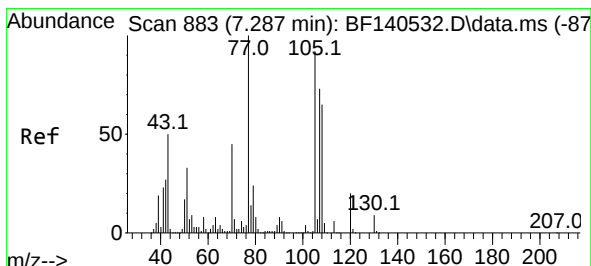
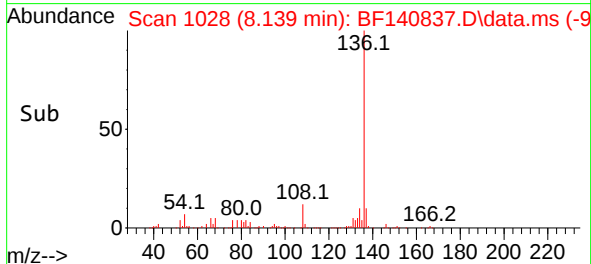
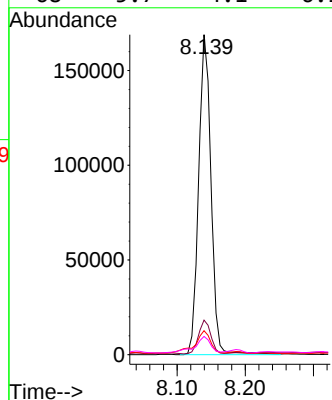
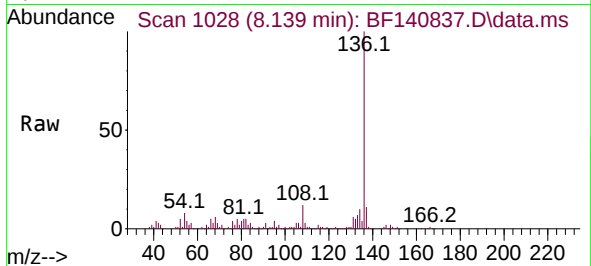




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1031
Delta R.T. -0.018 min
Lab File: BF140837.D
Acq: 11 Dec 2024 18:47

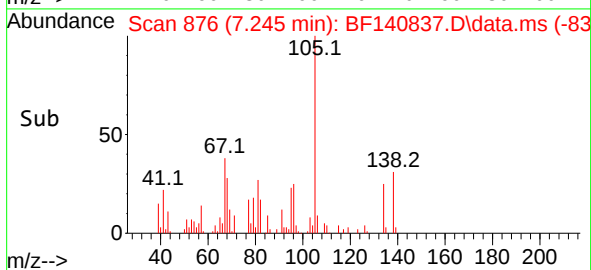
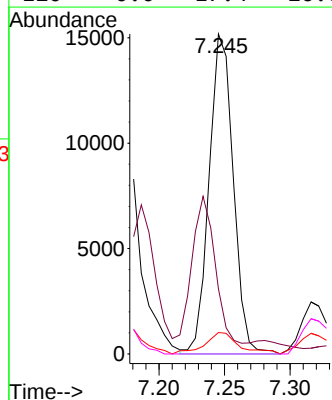
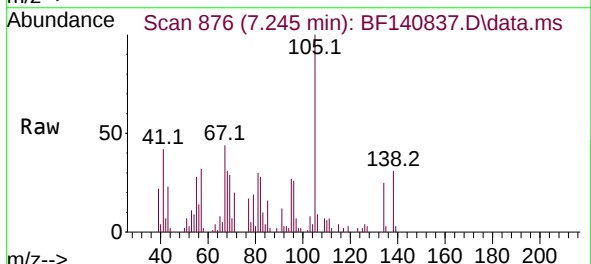
Instrument :
BNA_F
ClientSampleId :
MH-743RE

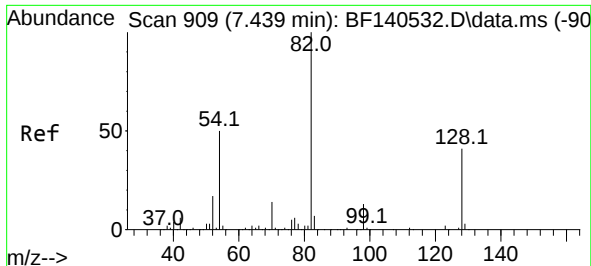
Tgt Ion:136	Resp:	213386
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.6 13.0
54	7.5	5.8 8.8
68	5.7	4.1 6.1



#22
Acetophenone
Concen: 3.743 ng
RT: 7.245 min Scan# 876
Delta R.T. -0.041 min
Lab File: BF140837.D
Acq: 11 Dec 2024 18:47

Tgt Ion:105	Resp:	19472
Ion Ratio	Lower	Upper
105	100	
71	20.3	6.2 9.2#
51	6.7	29.0 43.6#
120	0.0	17.4 26.0#

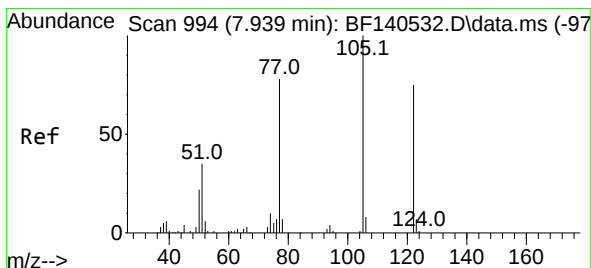
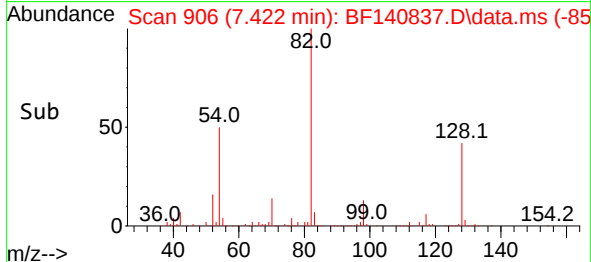
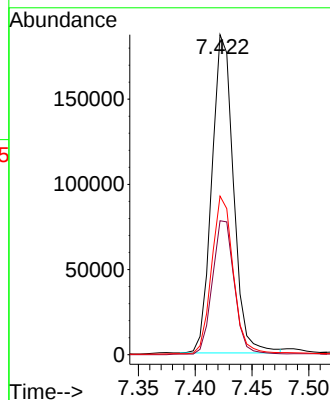
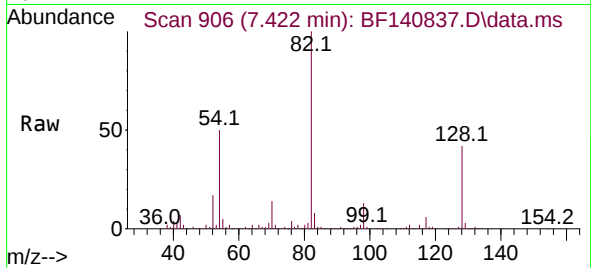




#23
Nitrobenzene-d5
Concen: 59.378 ng
RT: 7.422 min Scan# 909
Delta R.T. -0.018 min
Lab File: BF140837.D
Acq: 11 Dec 2024 18:47

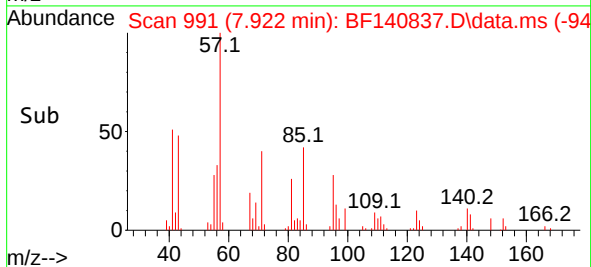
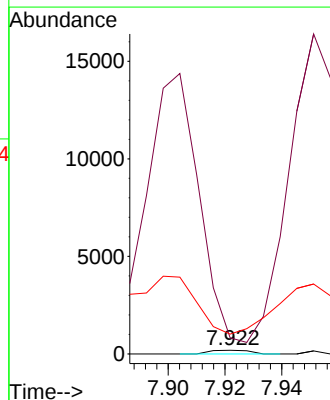
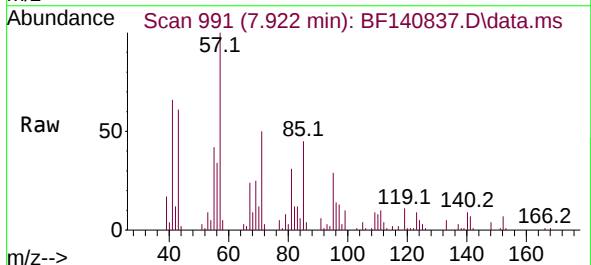
Instrument :
BNA_F
ClientSampleId :
MH-743RE

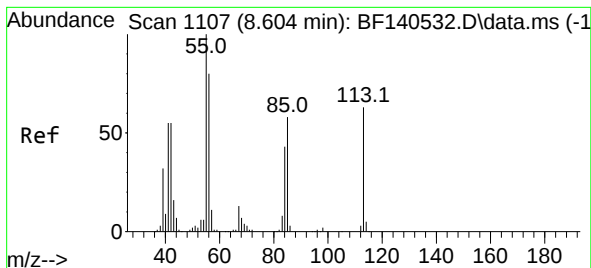
Tgt Ion: 82 Resp: 247708
Ion Ratio Lower Upper
82 100
128 41.9 33.0 49.4
54 49.6 39.5 59.3



#32
Benzoic acid
Concen: 7.272 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.017 min
Lab File: BF140837.D
Acq: 11 Dec 2024 18:47

Tgt Ion:122 Resp: 188
Ion Ratio Lower Upper
122 100
105 433.0 109.3 149.3#
77 533.5 82.3 122.3#





#35

Caprolactam

Concen: 5.845 ng

RT: 8.551 min Scan# 1107

Delta R.T. -0.053 min

Lab File: BF140837.D

Acq: 11 Dec 2024 18:47

Instrument :

BNA_F

ClientSampleId :

MH-743RE

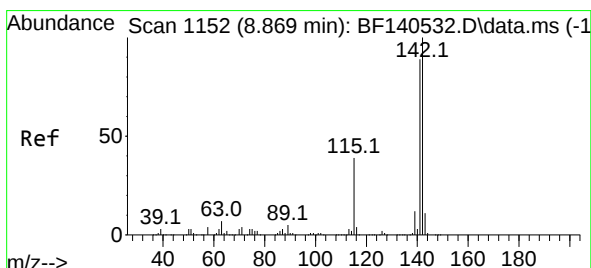
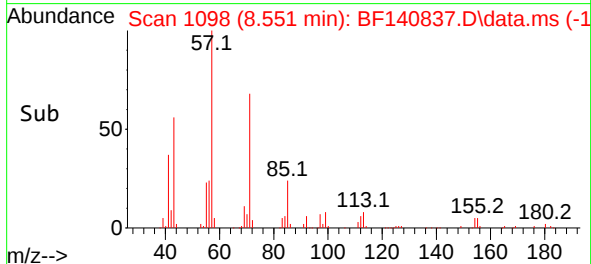
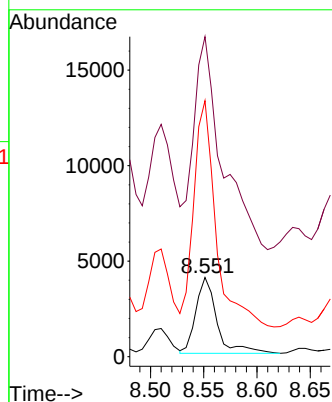
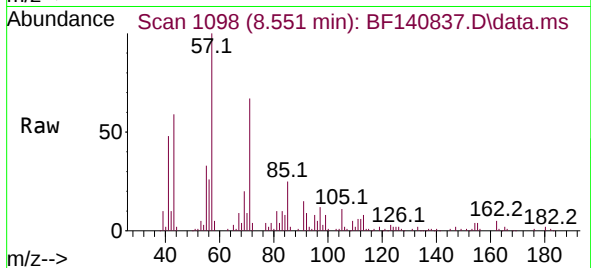
Tgt Ion:113 Resp: 5480

Ion Ratio Lower Upper

113 100

55 404.3 137.7 177.7#

56 323.5 106.4 146.4#



#37

2-Methylnaphthalene

Concen: 3.193 ng

RT: 8.857 min Scan# 1150

Delta R.T. -0.012 min

Lab File: BF140837.D

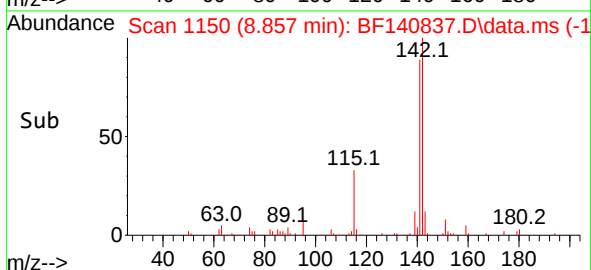
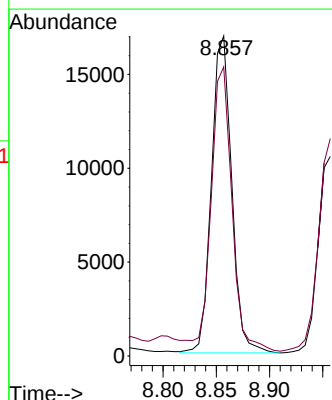
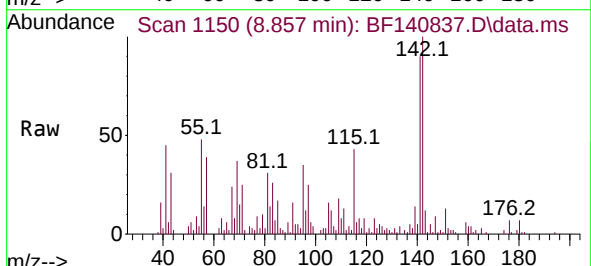
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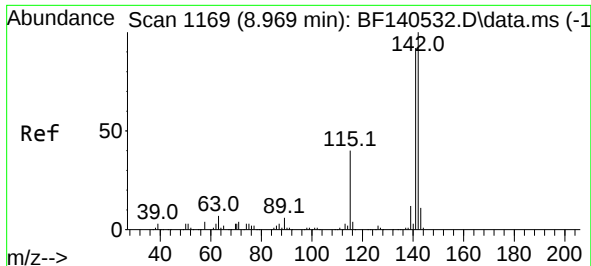
Tgt Ion:142 Resp: 22289

Ion Ratio Lower Upper

142 100

141 90.4 71.0 106.6

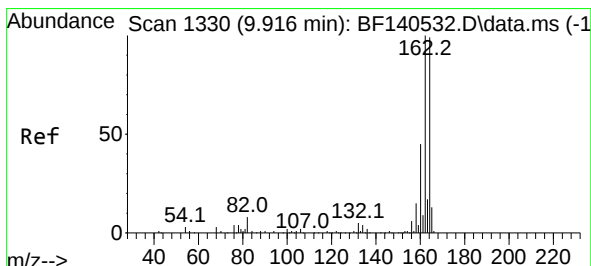
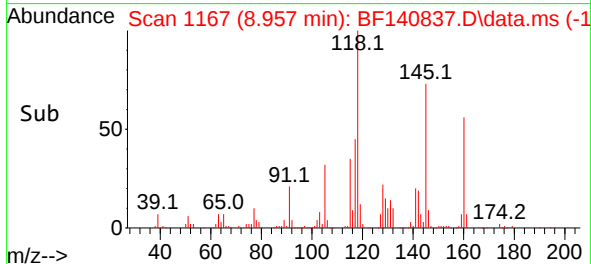
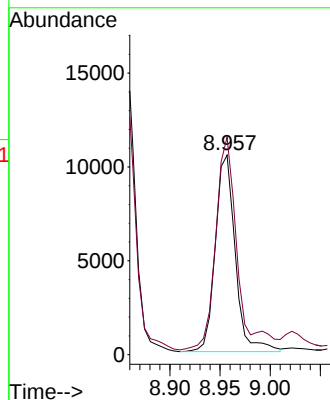
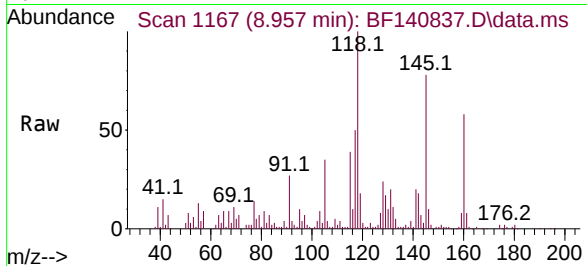




#38
1-Methylnaphthalene
Concen: 2.116 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.012 min
Lab File: BF140837.D
Acq: 11 Dec 2024 18:47

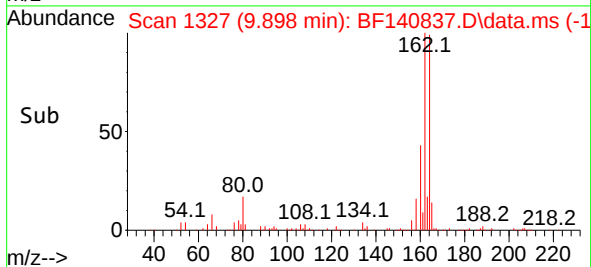
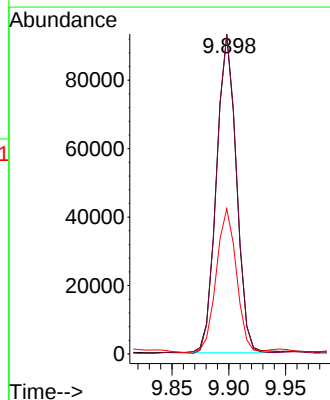
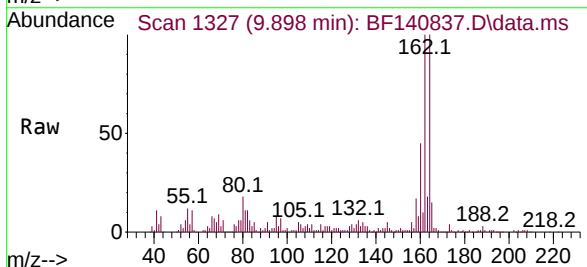
Instrument :
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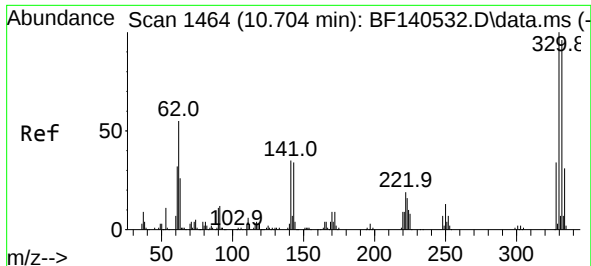
Tgt Ion:142 Resp: 14477
Ion Ratio Lower Upper
142 100
141 109.0 73.3 109.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.018 min
Lab File: BF140837.D
Acq: 11 Dec 2024 18:47

Tgt Ion:164 Resp: 113832
Ion Ratio Lower Upper
164 100
162 100.4 80.6 120.8
160 45.6 36.2 54.4

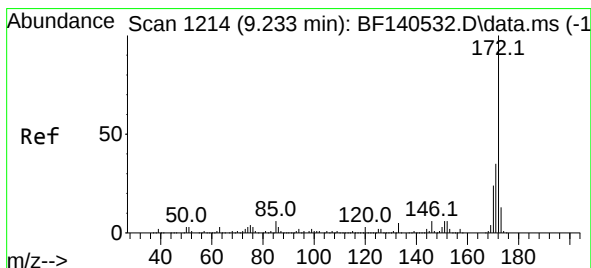
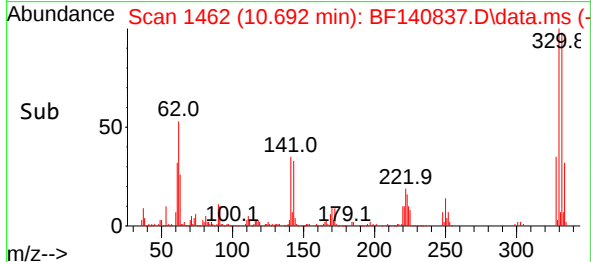
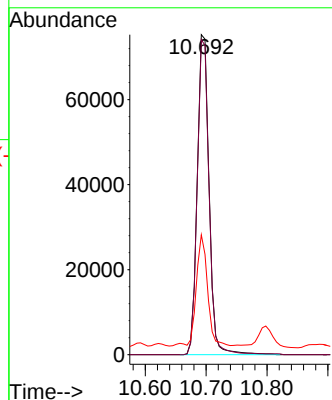
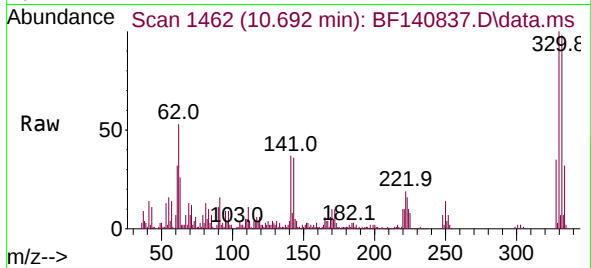




#42
2,4,6-Tribromophenol
Concen: 83.598 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF140837.D
Acq: 11 Dec 2024 18:47

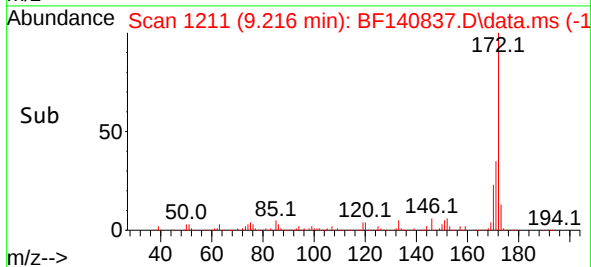
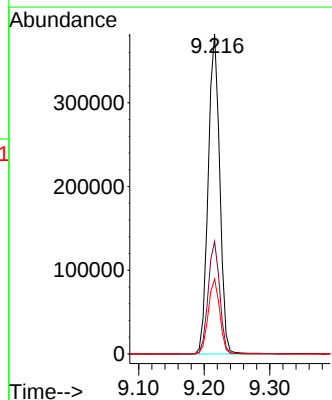
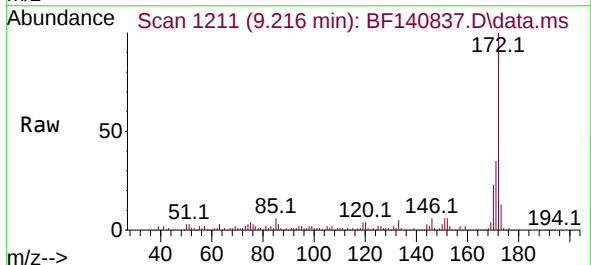
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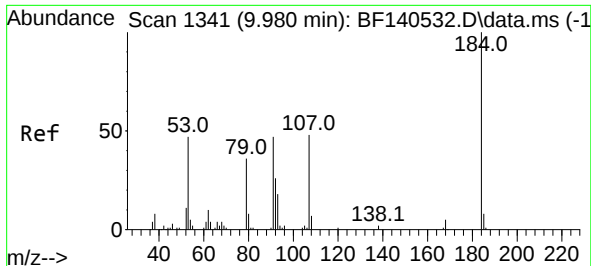
Tgt Ion:330 Resp: 101776
Ion Ratio Lower Upper
330 100
332 98.1 76.9 115.3
141 33.0 26.7 40.1



#45
2-Fluorobiphenyl
Concen: 61.419 ng
RT: 9.216 min Scan# 1211
Delta R.T. -0.018 min
Lab File: BF140837.D
Acq: 11 Dec 2024 18:47

Tgt Ion:172 Resp: 469243
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.4 19.0 28.6

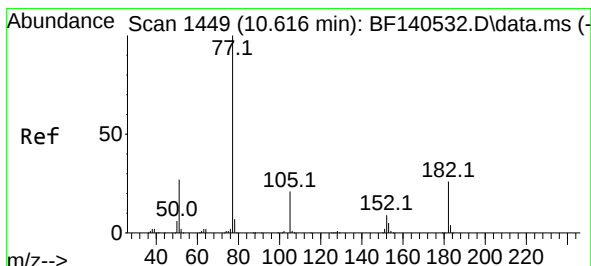
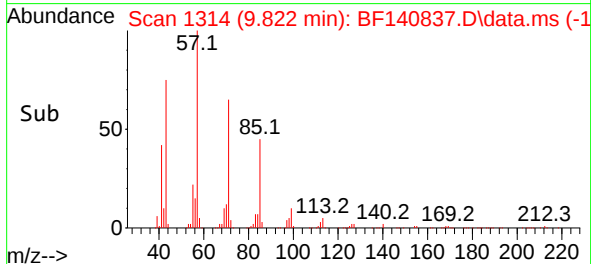
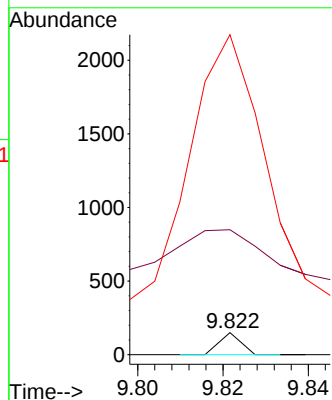
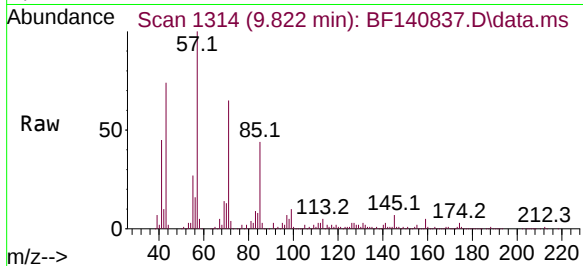




#54
2,4-Dinitrophenol
Concen: 7.877 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.158 min
Lab File: BF140837.D
Acq: 11 Dec 2024 18:47

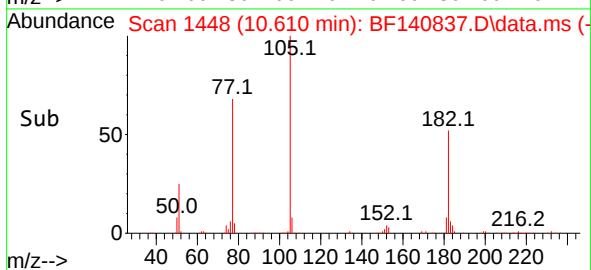
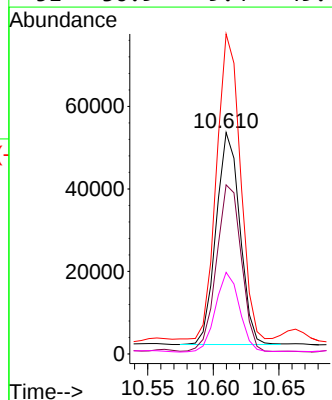
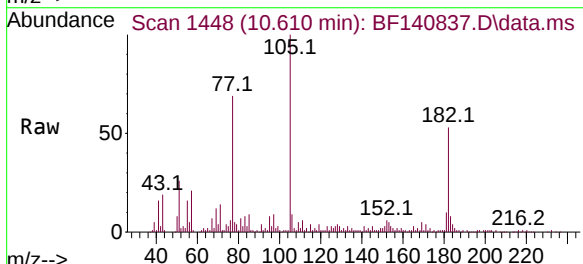
Instrument :
BNA_F
ClientSampleId :
MH-743RE

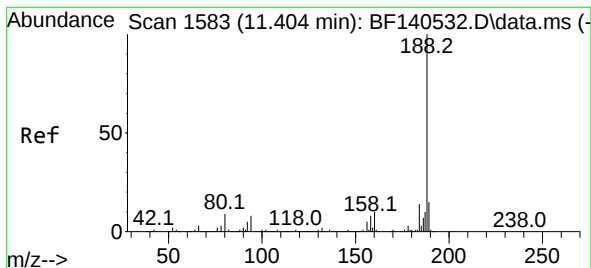
Tgt Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 566.0 54.1 81.1#
154 1449.3 57.4 86.0#



#63
Azobenzene
Concen: 8.946 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF140837.D
Acq: 11 Dec 2024 18:47

Tgt Ion: 77 Resp: 64529
Ion Ratio Lower Upper
77 100
182 76.4 5.3 45.3#
105 144.5 0.3 40.3#
51 36.9 9.4 49.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF140837.D

Acq: 11 Dec 2024 18:47

Instrument :

BNA_F

ClientSampleId :

MH-743RE

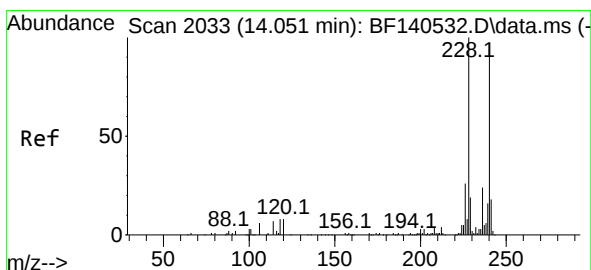
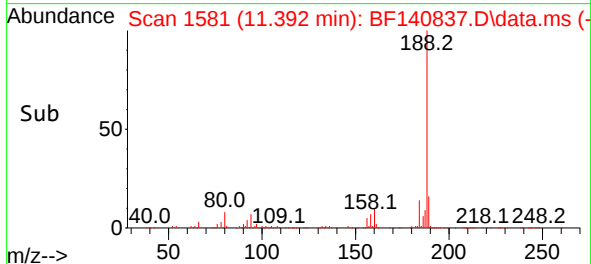
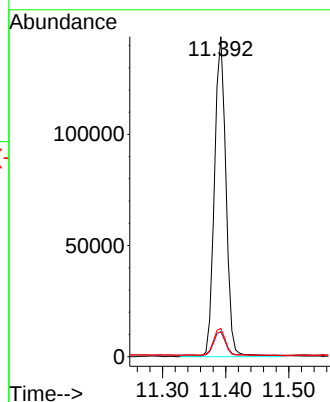
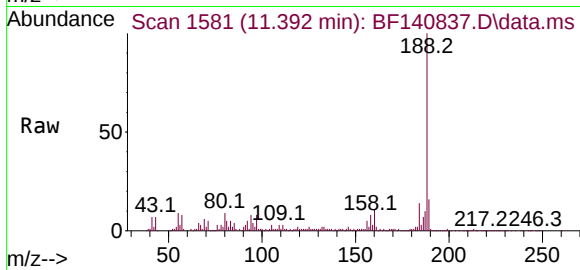
Tgt Ion:188 Resp: 182240

Ion Ratio Lower Upper

188 100

94 7.8 6.4 9.6

80 8.8 6.9 10.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140837.D

Acq: 11 Dec 2024 18:47

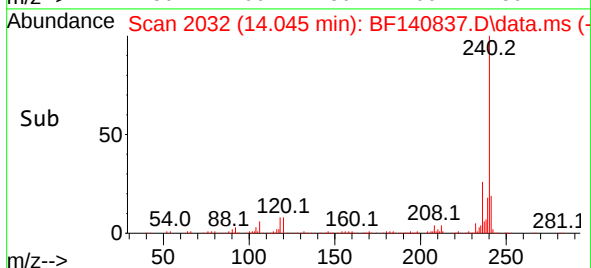
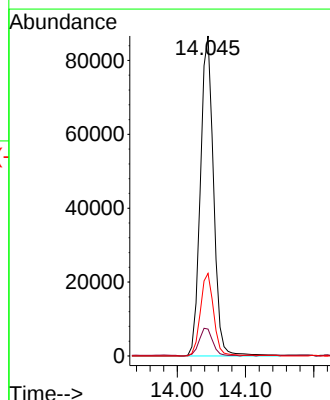
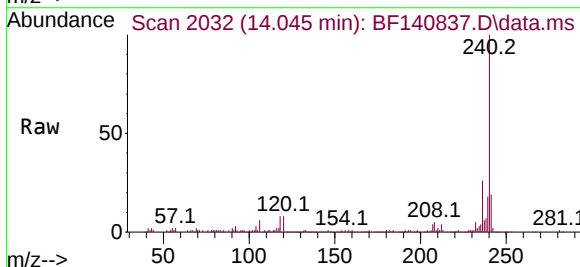
Tgt Ion:240 Resp: 116195

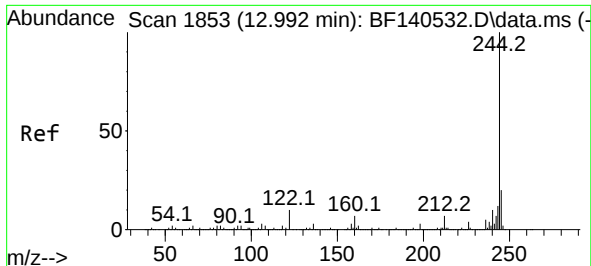
Ion Ratio Lower Upper

240 100

120 8.4 7.3 10.9

236 25.8 20.6 31.0

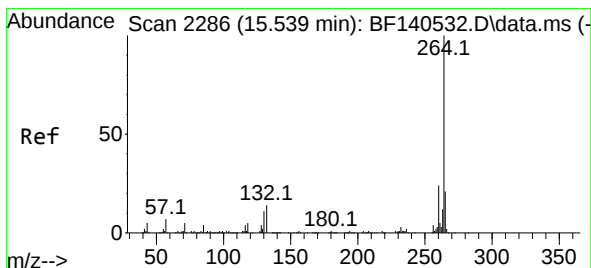
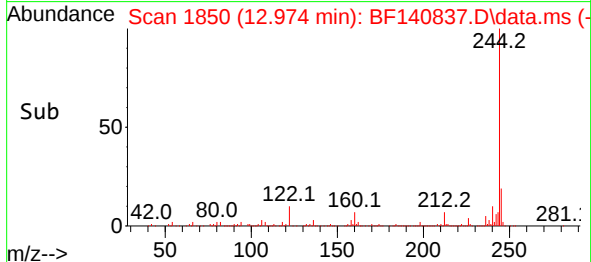
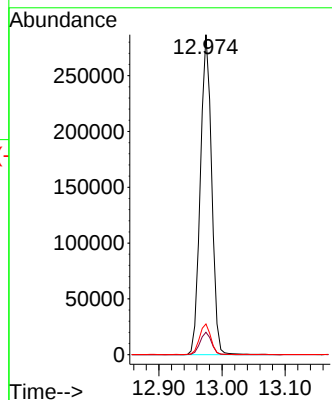
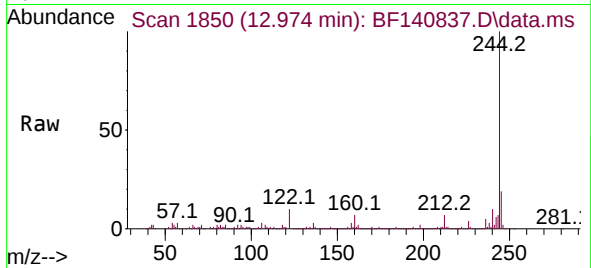




#79
 Terphenyl-d14
 Concen: 47.823 ng
 RT: 12.974 min Scan# 1850
 Delta R.T. -0.018 min
 Lab File: BF140837.D
 Acq: 11 Dec 2024 18:47

Instrument :
 BNA_F
 ClientSampleId :
 MH-743RE

Tgt Ion:244 Resp: 356861
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 9.6 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2287
 Delta R.T. 0.006 min
 Lab File: BF140837.D
 Acq: 11 Dec 2024 18:47

Tgt Ion:264 Resp: 95140
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.6
 265 21.4 16.6 25.0

