

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103124\
 Data File : BF140182.D
 Acq On : 31 Oct 2024 12:07
 Operator : RC/JU
 Sample : P4613-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0001

Quant Time: Oct 31 12:59:33 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

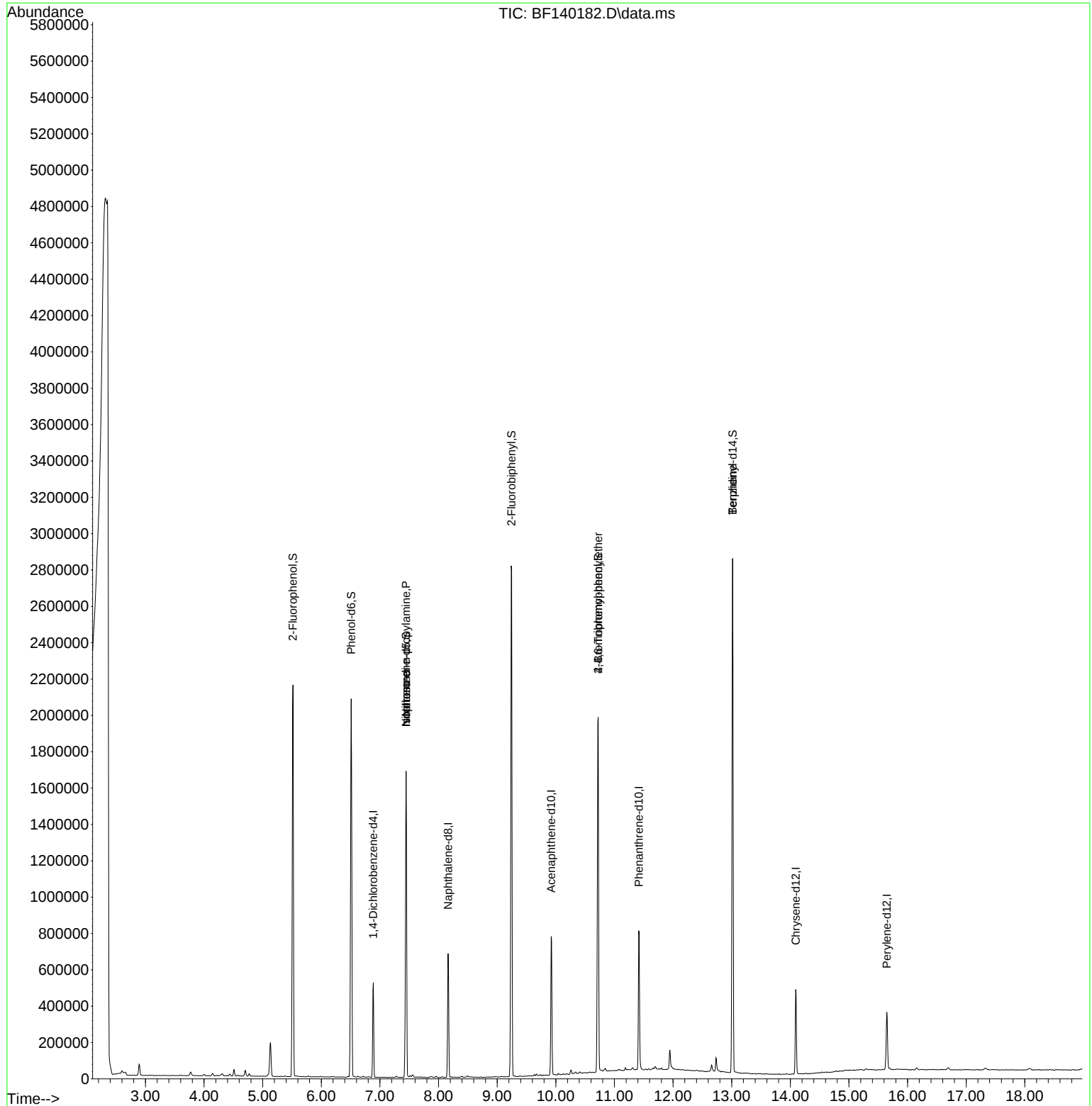
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	104730	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	403076	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	234018	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	413560	20.000	ng	0.00
76) Chrysene-d12	14.092	240	224692	20.000	ng	0.04
86) Perylene-d12	15.645	264	191346	20.000	ng	0.12
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	823388	123.079	ng	0.02
7) Phenol-d6	6.510	99	999721	115.381	ng	0.00
23) Nitrobenzene-d5	7.446	82	771869	106.133	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	361118	164.975	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1346622	95.102	ng	0.00
79) Terphenyl-d14	13.016	244	1457755	105.717	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.446	70	106217	20.212	ng	# 78
25) Isophorone	7.446	82	769004	55.711	ng	# 67
67) 4-Bromophenyl-phenylether	10.722	248	23794	5.585	ng	# 1
77) Benzidine	13.016	184	20325	5.501	ng	# 94

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

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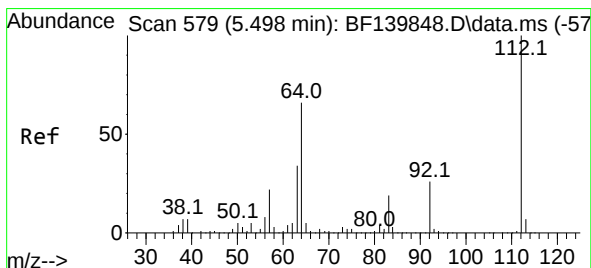
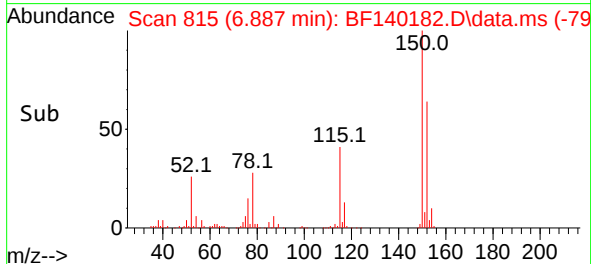
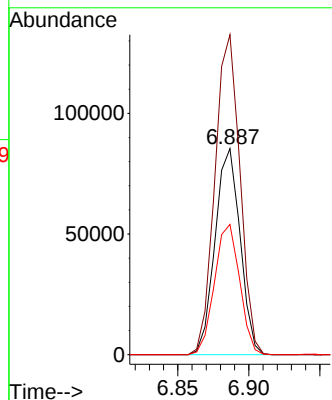
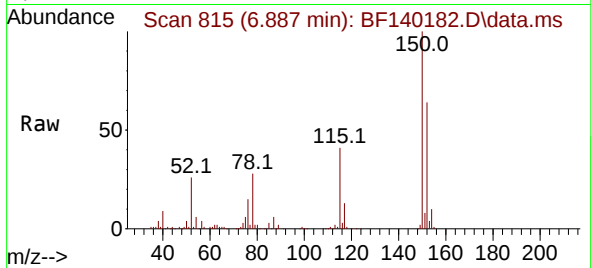




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140182.D
Acq: 31 Oct 2024 12:07

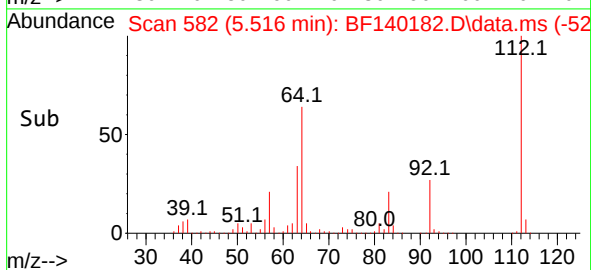
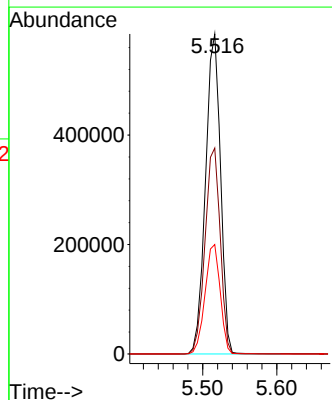
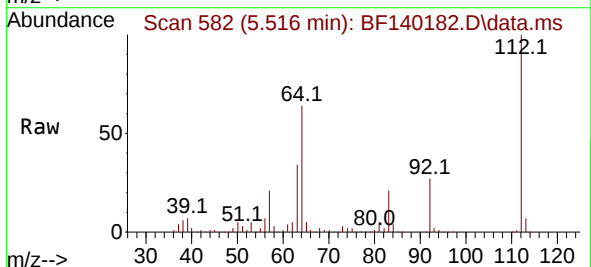
Instrument :
BNA_F
ClientSampleId :
ARS20-0001

Tgt Ion:152 Resp: 104730
Ion Ratio Lower Upper
152 100
150 155.2 130.2 195.2
115 63.2 51.4 77.2



#5
2-Fluorophenol
Concen: 123.079 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF140182.D
Acq: 31 Oct 2024 12:07

Tgt Ion:112 Resp: 823388
Ion Ratio Lower Upper
112 100
64 64.3 53.0 79.6
63 34.2 27.0 40.4

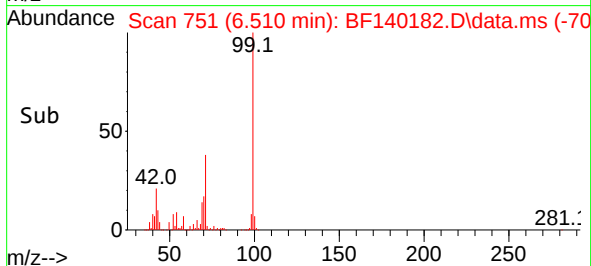
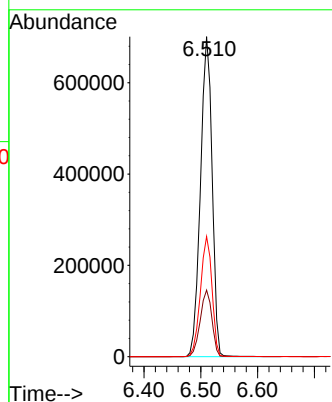
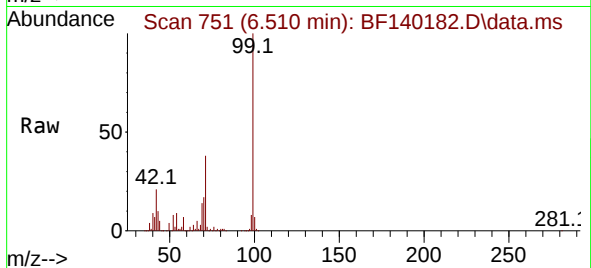




#7
Phenol-d6
Concen: 115.381 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140182.D
Acq: 31 Oct 2024 12:07

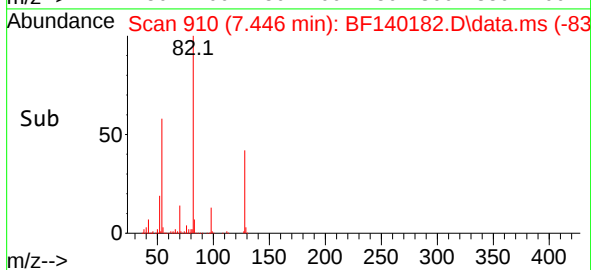
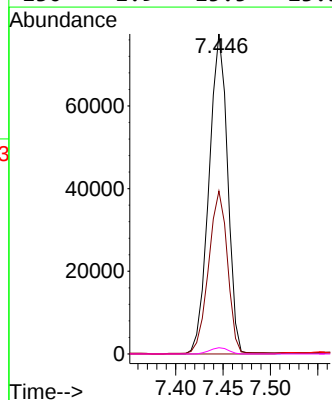
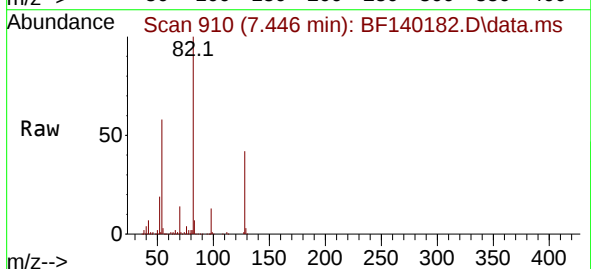
Instrument :
BNA_F
ClientSampleId :
ARS20-0001

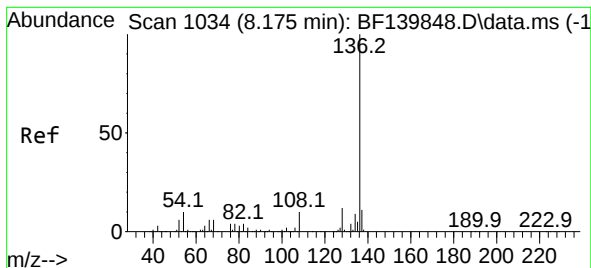
Tgt Ion: 99 Resp: 999721
Ion Ratio Lower Upper
99 100
42 20.8 16.7 25.1
71 37.6 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 20.212 ng
RT: 7.446 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140182.D
Acq: 31 Oct 2024 12:07

Tgt Ion: 70 Resp: 106217
Ion Ratio Lower Upper
70 100
42 50.9 51.5 77.3#
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.011 min

Lab File: BF140182.D

Acq: 31 Oct 2024 12:07

Instrument :

BNA_F

ClientSampleId :

ARS20-0001

Tgt Ion:136 Resp: 403076

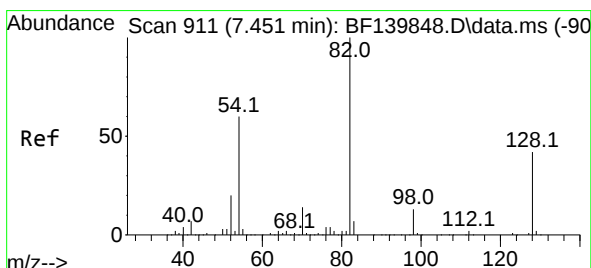
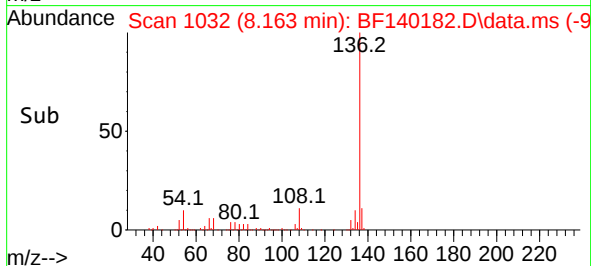
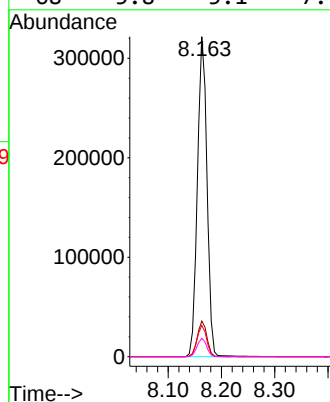
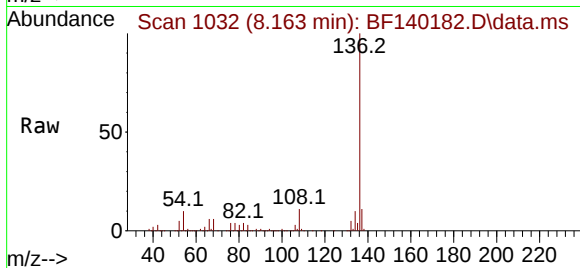
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 9.8 8.4 12.6

68 5.8 5.1 7.7



#23

Nitrobenzene-d5

Concen: 106.133 ng

RT: 7.446 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF140182.D

Acq: 31 Oct 2024 12:07

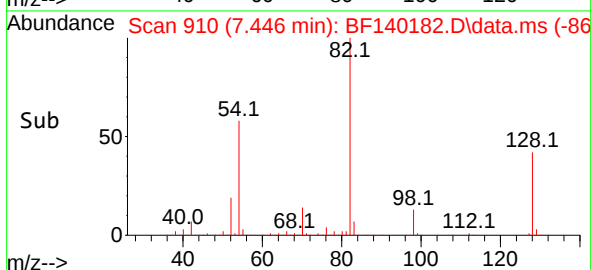
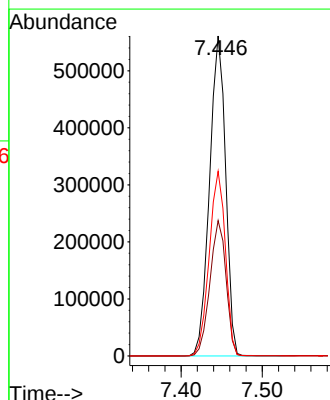
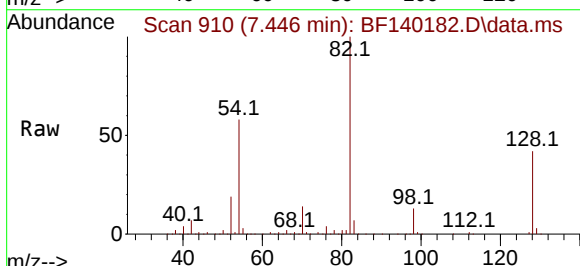
Tgt Ion: 82 Resp: 771869

Ion Ratio Lower Upper

82 100

128 42.3 33.4 50.0

54 57.7 47.8 71.8

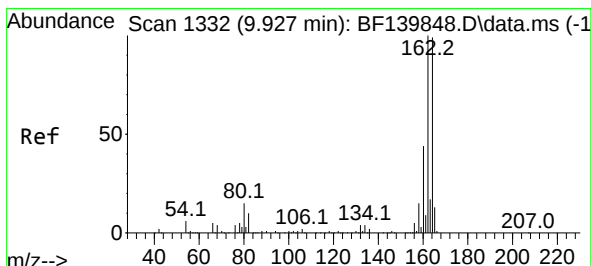
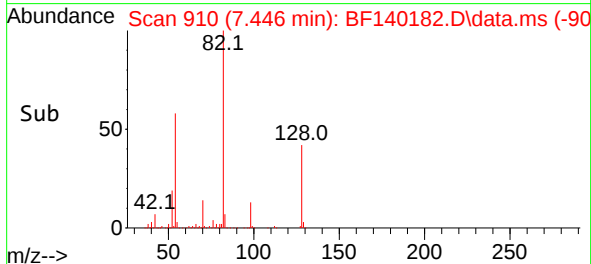
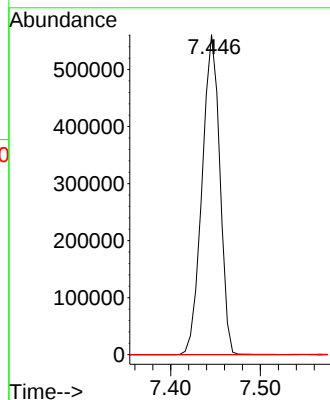
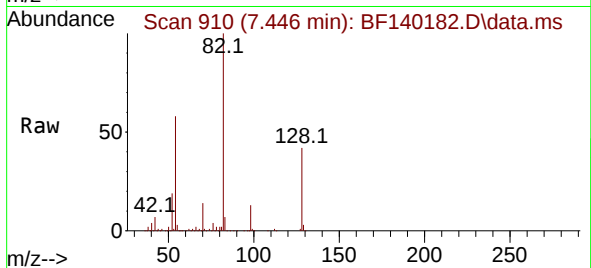




#25
Isophorone
Concen: 55.711 ng
RT: 7.446 min Scan# 910
Delta R.T. -0.264 min
Lab File: BF140182.D
Acq: 31 Oct 2024 12:07

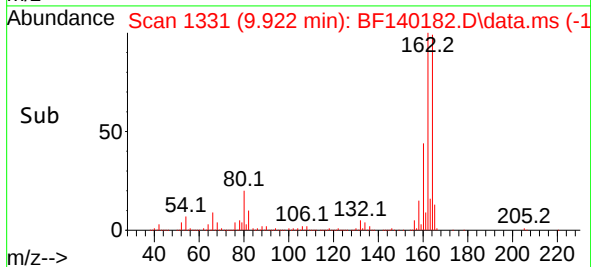
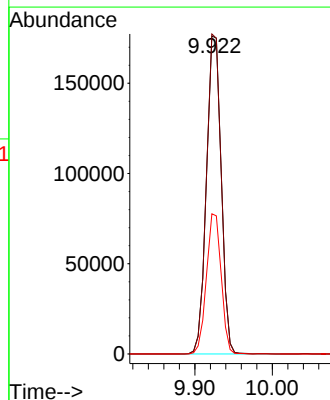
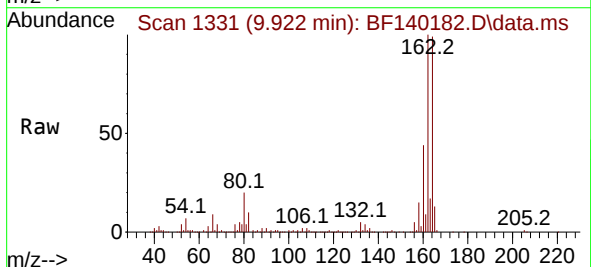
Instrument :
BNA_F
ClientSampleId :
ARS20-0001

Tgt Ion: 82 Resp: 769004
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# 1331
Delta R.T. -0.005 min
Lab File: BF140182.D
Acq: 31 Oct 2024 12:07

Tgt Ion: 164 Resp: 234018
Ion Ratio Lower Upper
164 100
162 100.7 81.0 121.4
160 44.1 35.4 53.0

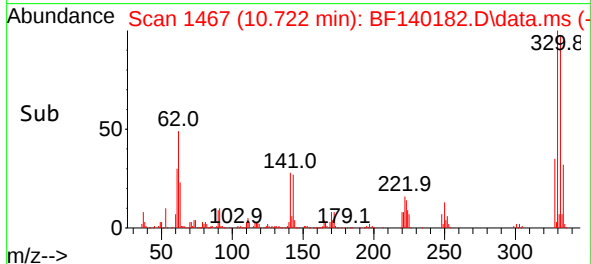
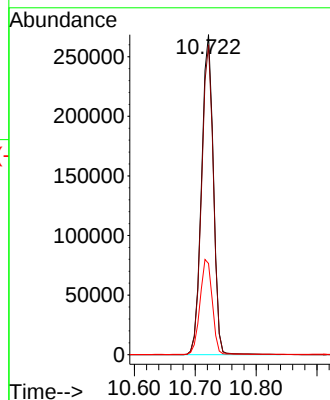
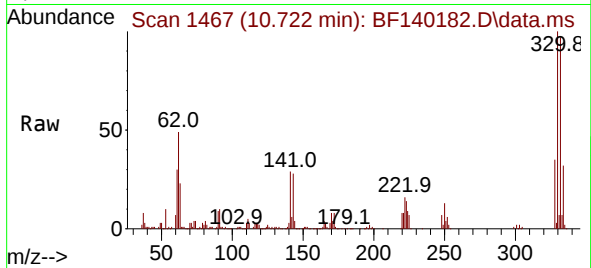




#42
2,4,6-Tribromophenol
Concen: 164.975 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.006 min
Lab File: BF140182.D
Acq: 31 Oct 2024 12:07

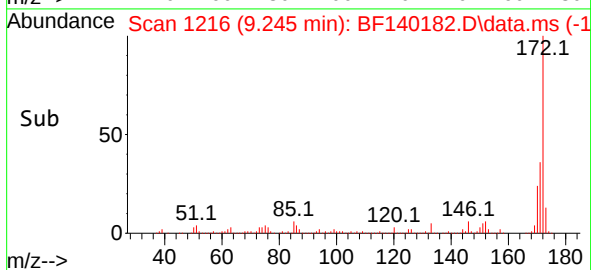
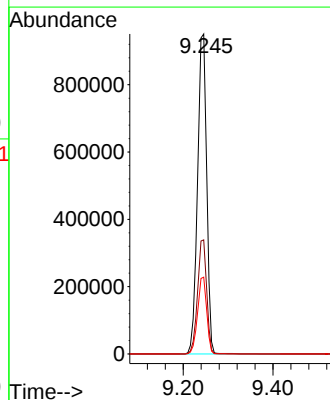
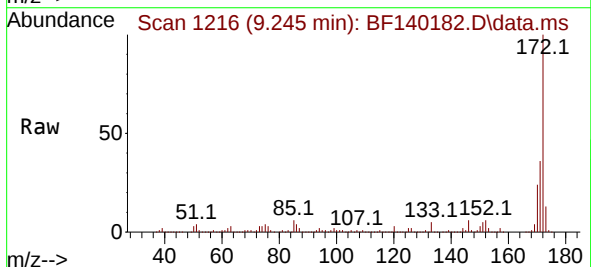
Instrument :
BNA_F
ClientSampleId :
ARS20-0001

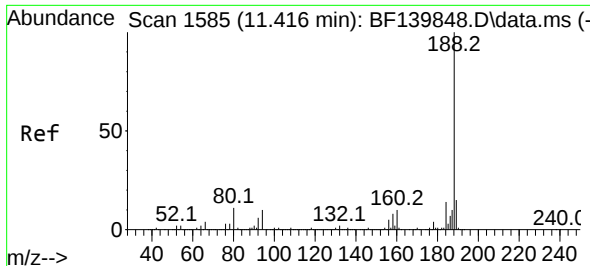
Tgt Ion:330 Resp: 361118
Ion Ratio Lower Upper
330 100
332 96.7 78.1 117.1
141 30.6 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 95.102 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140182.D
Acq: 31 Oct 2024 12:07

Tgt Ion:172 Resp: 1346622
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 24.0 19.1 28.7

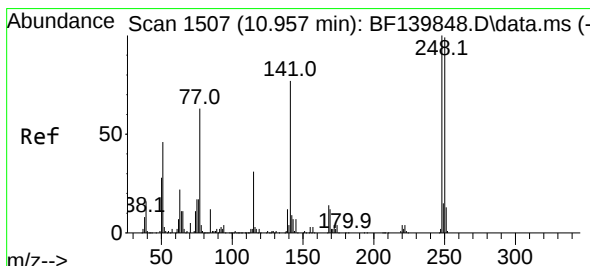
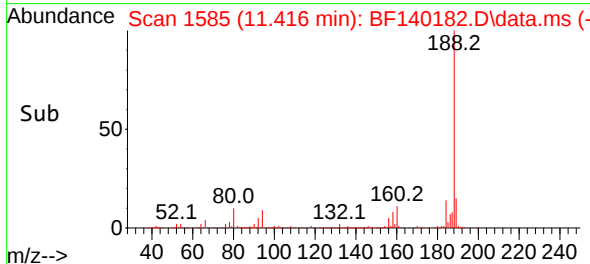
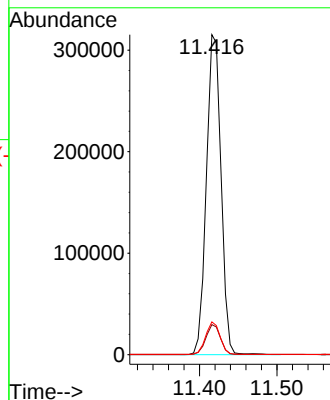
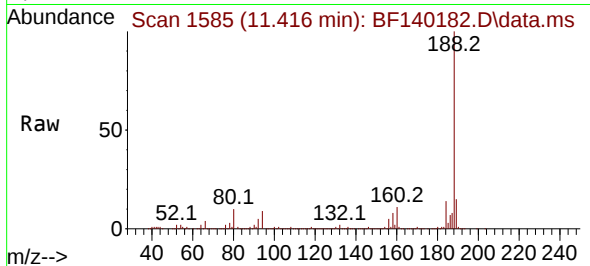




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140182.D
Acq: 31 Oct 2024 12:07

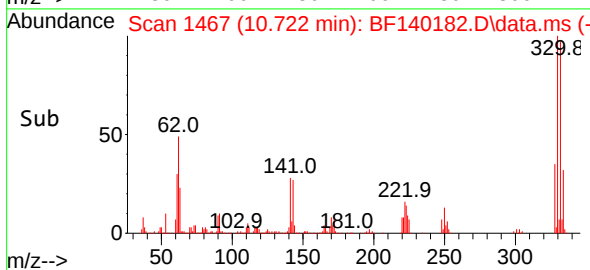
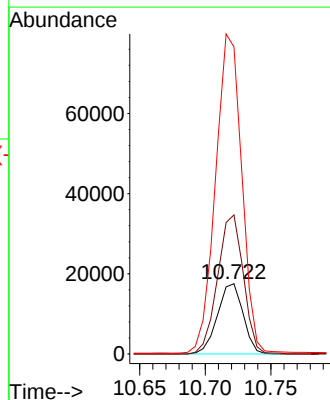
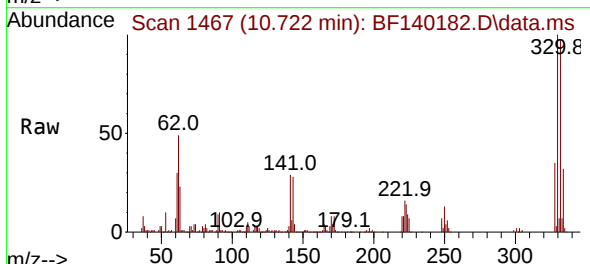
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ClientSampleId :
ARS20-0001

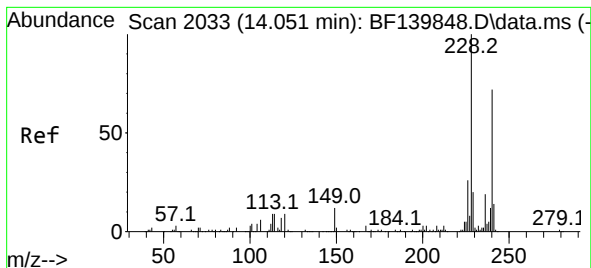
Tgt Ion:188 Resp: 413560
Ion Ratio Lower Upper
188 100
94 9.4 7.9 11.9
80 10.2 9.0 13.4



#67
4-Bromophenyl-phenylether
Concen: 5.585 ng
RT: 10.722 min Scan# 1467
Delta R.T. -0.235 min
Lab File: BF140182.D
Acq: 31 Oct 2024 12:07

Tgt Ion:248 Resp: 23794
Ion Ratio Lower Upper
248 100
250 197.8 79.0 118.6#
141 436.6 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 2040

Delta R.T. 0.041 min

Lab File: BF140182.D

Acq: 31 Oct 2024 12:07

Instrument :

BNA_F

ClientSampleId :

ARS20-0001

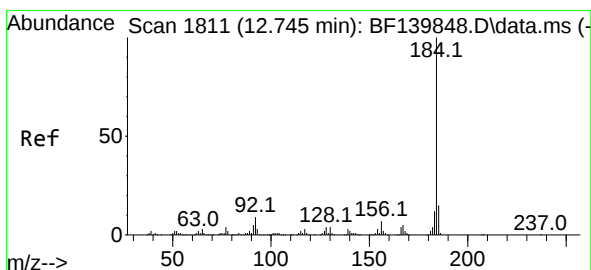
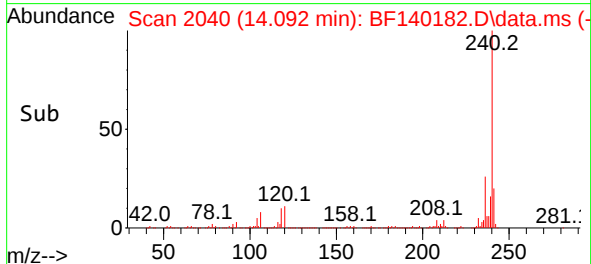
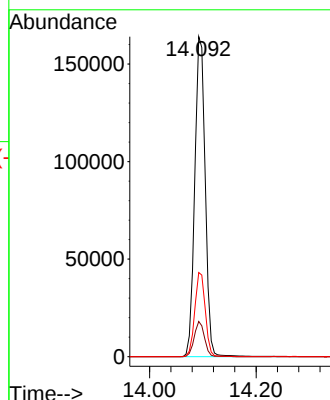
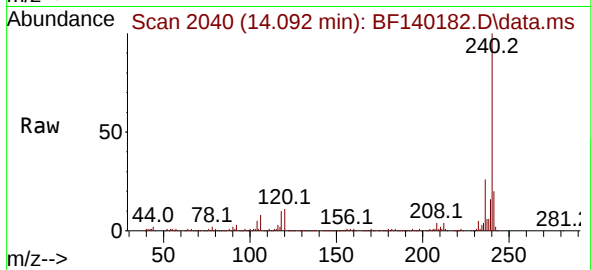
Tgt Ion:240 Resp: 224692

Ion Ratio Lower Upper

240 100

120 11.0 9.4 14.2

236 26.3 20.9 31.3



#77

Benzidine

Concen: 5.501 ng

RT: 13.016 min Scan# 1857

Delta R.T. 0.271 min

Lab File: BF140182.D

Acq: 31 Oct 2024 12:07

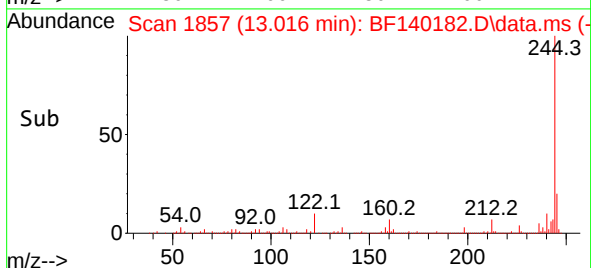
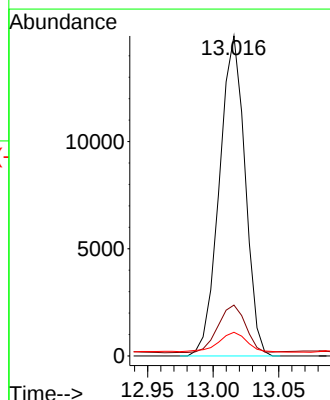
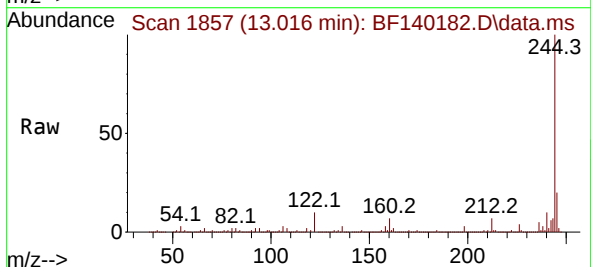
Tgt Ion:184 Resp: 20325

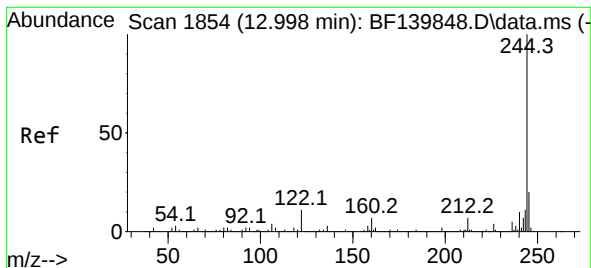
Ion Ratio Lower Upper

184 100

185 15.9 12.0 18.0

183 7.4 9.4 14.2#





#79

Terphenyl-d14

Concen: 105.717 ng

RT: 13.016 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF140182.D

Acq: 31 Oct 2024 12:07

Instrument :

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ARS20-0001

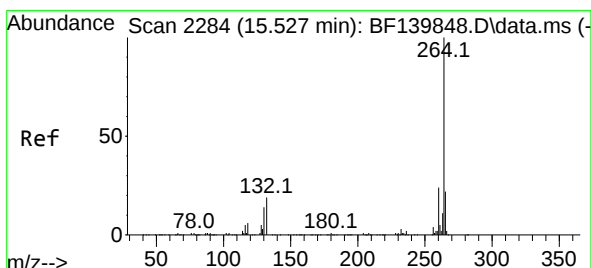
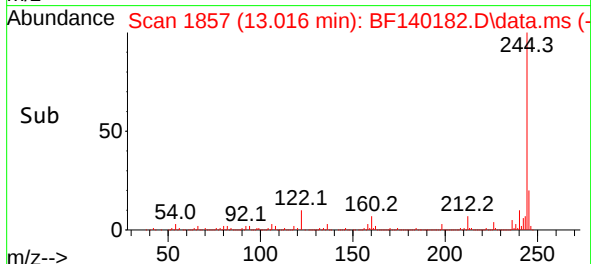
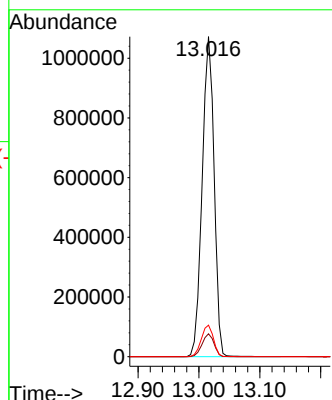
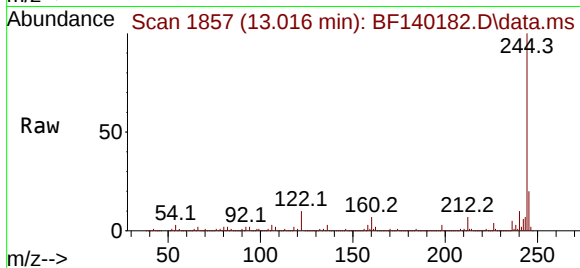
Tgt Ion:244 Resp: 1457755

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

122 9.9 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.645 min Scan# 2304

Delta R.T. 0.118 min

Lab File: BF140182.D

Acq: 31 Oct 2024 12:07

Tgt Ion:264 Resp: 191346

Ion Ratio Lower Upper

264 100

260 23.2 19.4 29.2

265 20.8 17.4 26.0

