

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
 Data File : BF140951.D
 Acq On : 20 Dec 2024 15:29
 Operator : RC/JU
 Sample : P5306-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-VSL-14-121224

Quant Time: Dec 20 16:04:33 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)

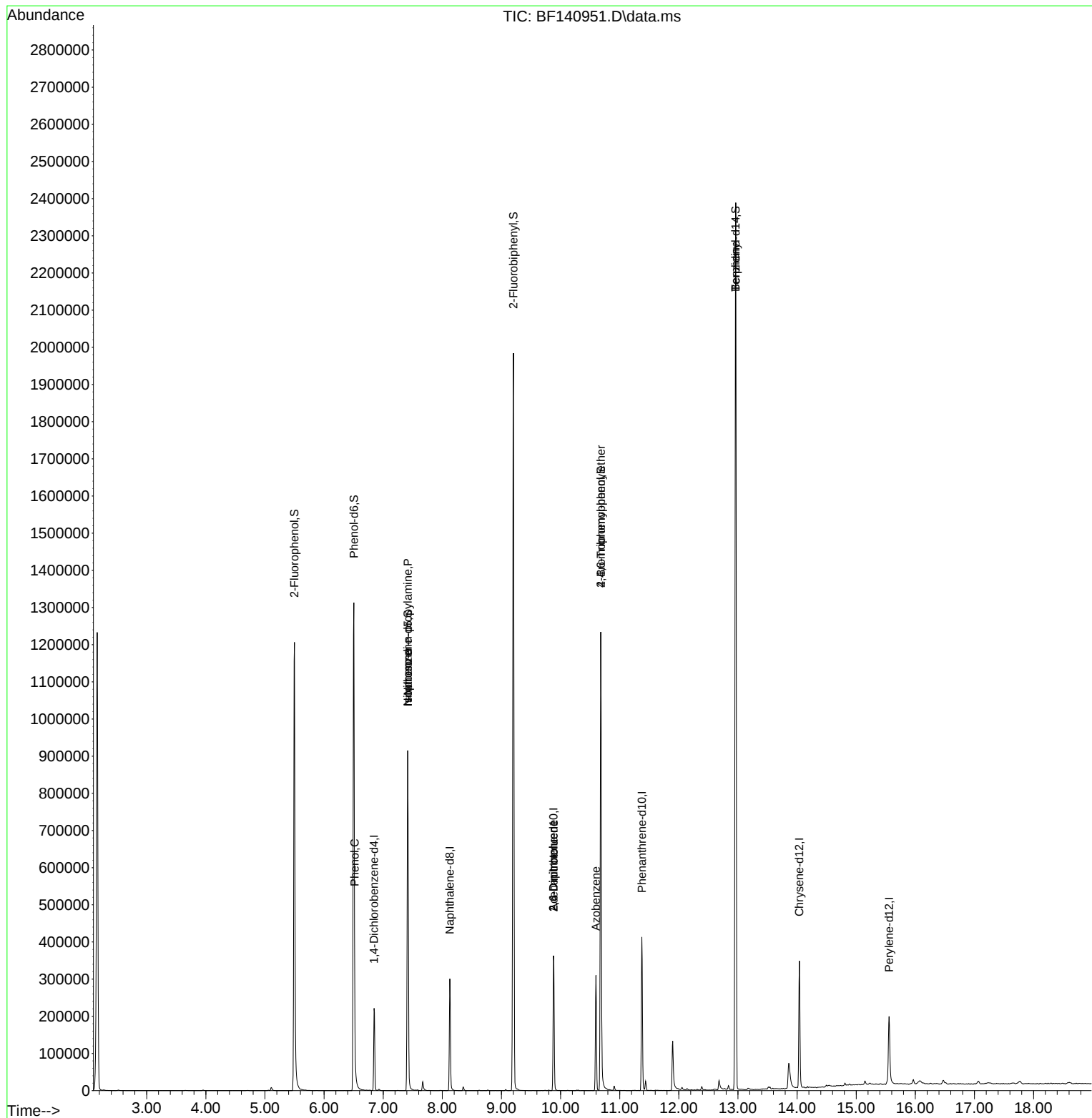
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	50529	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	204987	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	120471	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	234289	20.000	ng	0.00
76) Chrysene-d12	14.039	240	182284	20.000	ng	0.00
86) Perylene-d12	15.557	264	129207	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	521413	169.871	ng	0.01
7) Phenol-d6	6.504	99	701467	172.540	ng	0.00
23) Nitrobenzene-d5	7.416	82	446453	108.966	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	241695	169.631	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	953080	108.768	ng	0.00
79) Terphenyl-d14	12.963	244	1251478	108.261	ng	0.00
Target Compounds						
					Qvalue	
10) Phenol	6.516	94	9718	2.306	ng	# 36
19) n-Nitroso-di-n-propyla...	7.416	70	60193	24.682	ng	# 77
25) Isophorone	7.416	82	440036	64.098	ng	# 65
51) 2,6-Dinitrotoluene	9.880	165	15018	7.735	ng	# 20
57) 2,4-Dinitrotoluene	9.880	165	15018	5.879	ng	# 14
63) Azobenzene	10.598	77	80352	9.704	ng	# 1
67) 4-Bromophenyl-phenylether	10.680	248	14679	5.600	ng	# 1
77) Benzidine	12.963	184	15536	4.176	ng	# 91

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

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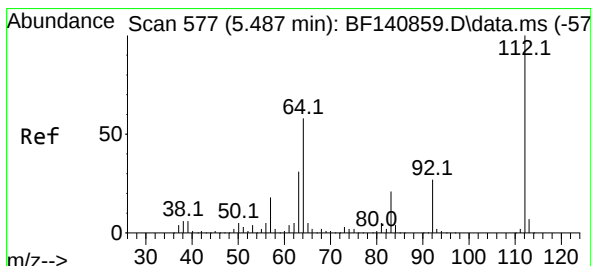
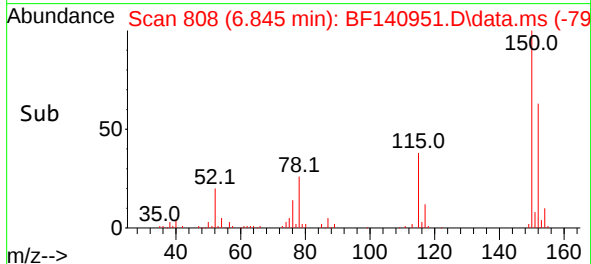
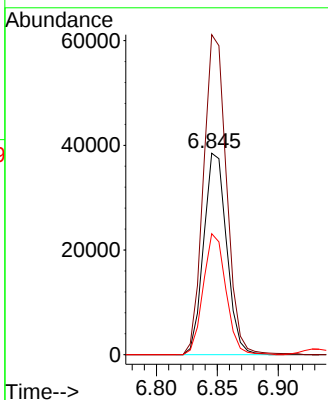
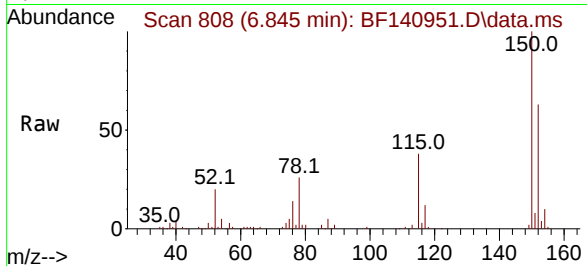




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF140951.D
Acq: 20 Dec 2024 15:29

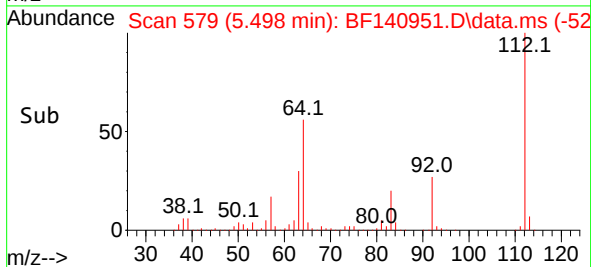
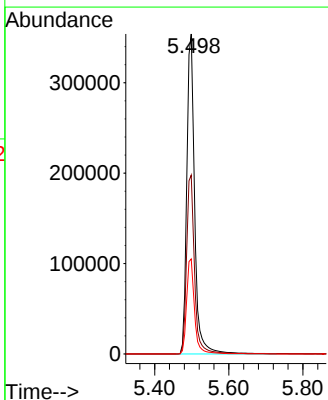
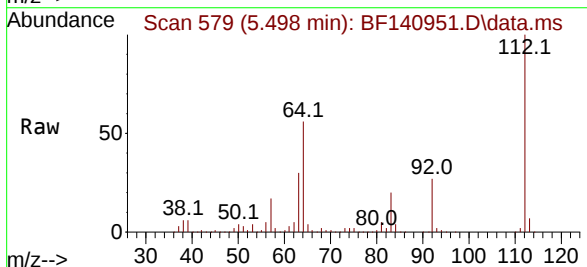
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-14-121224

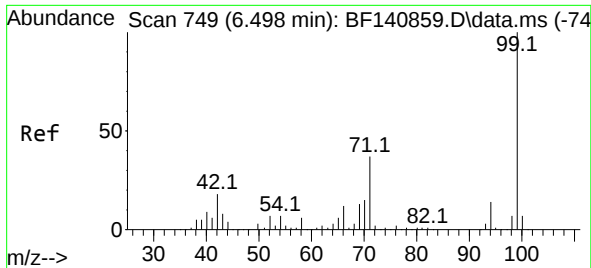
Tgt Ion:152 Resp: 50529
Ion Ratio Lower Upper
152 100
150 158.9 127.9 191.9
115 60.1 48.0 72.0



#5
2-Fluorophenol
Concen: 169.871 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF140951.D
Acq: 20 Dec 2024 15:29

Tgt Ion:112 Resp: 521413
Ion Ratio Lower Upper
112 100
64 55.9 46.1 69.1
63 29.7 24.9 37.3

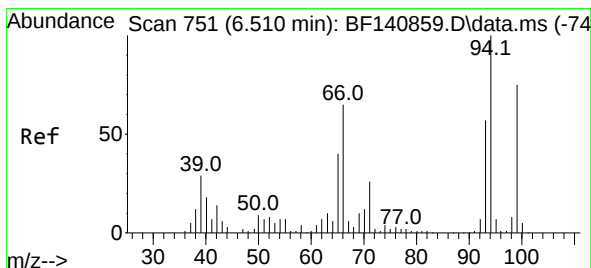
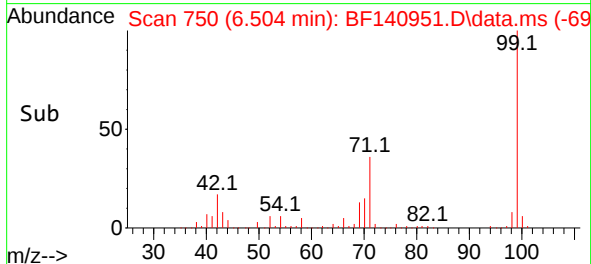
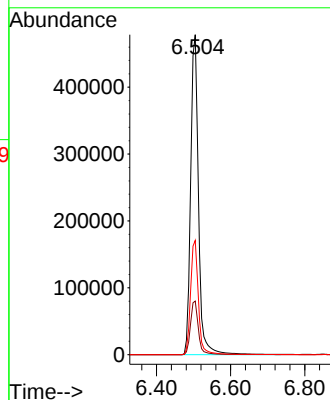
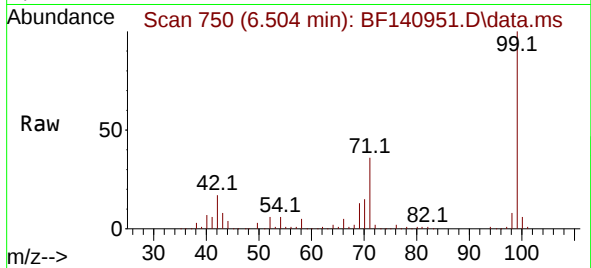




#7
Phenol-d6
Concen: 172.540 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140951.D
Acq: 20 Dec 2024 15:29

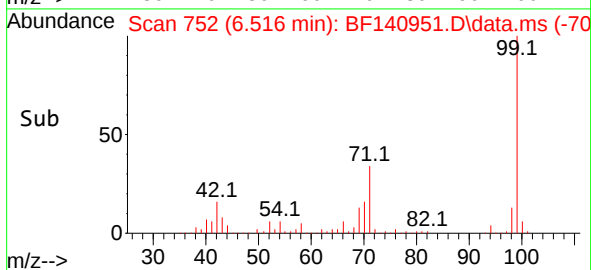
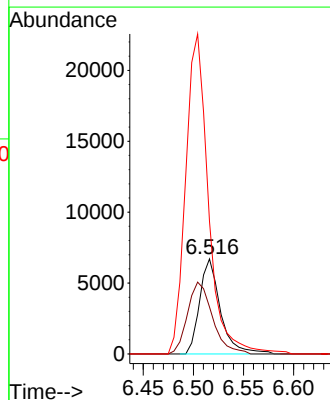
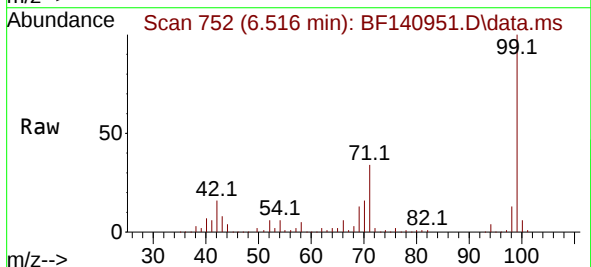
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-14-121224

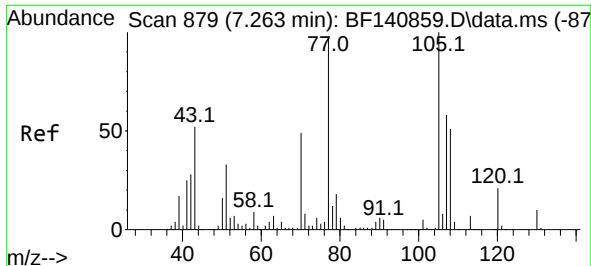
Tgt Ion: 99 Resp: 701467
Ion Ratio Lower Upper
99 100
42 16.7 14.3 21.5
71 35.7 29.9 44.9



#10
Phenol
Concen: 2.306 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF140951.D
Acq: 20 Dec 2024 15:29

Tgt Ion: 94 Resp: 9718
Ion Ratio Lower Upper
94 100
65 49.4 19.9 59.9
66 139.6 45.6 85.6#





#19

n-Nitroso-di-n-propylamine

Concen: 24.682 ng

RT: 7.416 min Scan# 90

Delta R.T. 0.153 min

Lab File: BF140951.D

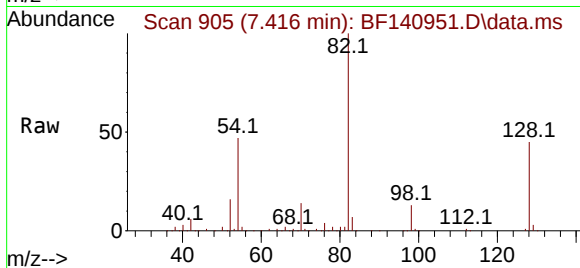
Acq: 20 Dec 2024 15:29

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-14-121224



Tgt Ion: 70 Resp: 60193

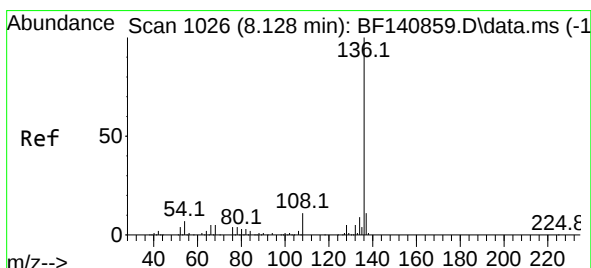
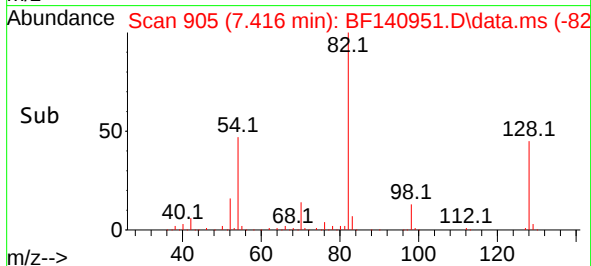
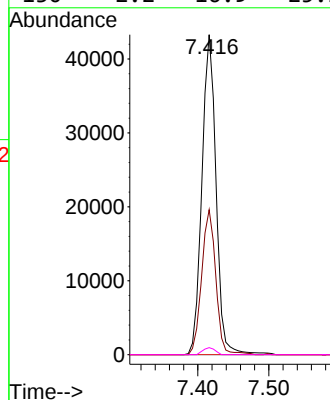
Ion Ratio Lower Upper

70 100

42 45.3 45.3 67.9#

101 0.0 8.0 12.0#

130 2.2 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: BF140951.D

Acq: 20 Dec 2024 15:29

Tgt Ion: 136 Resp: 204987

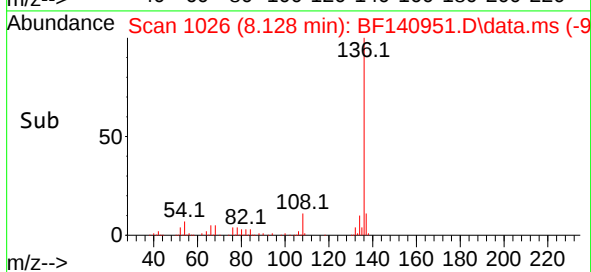
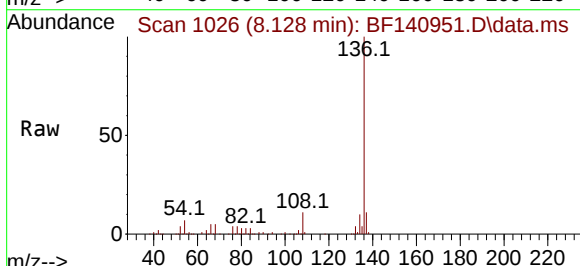
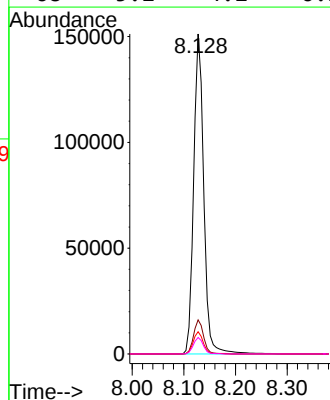
Ion Ratio Lower Upper

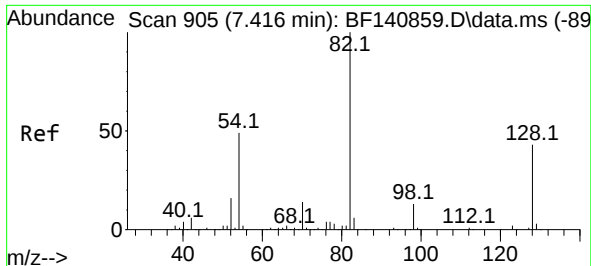
136 100

137 10.6 9.0 13.4

54 7.0 5.6 8.4

68 5.2 4.2 6.2

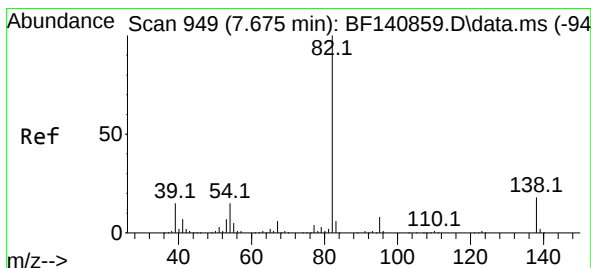
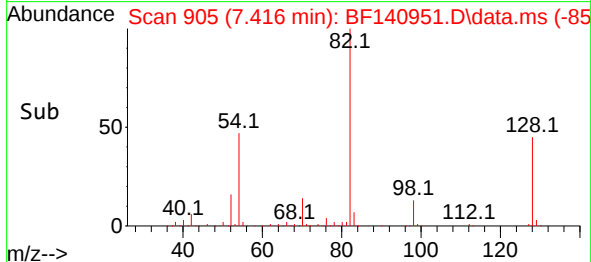
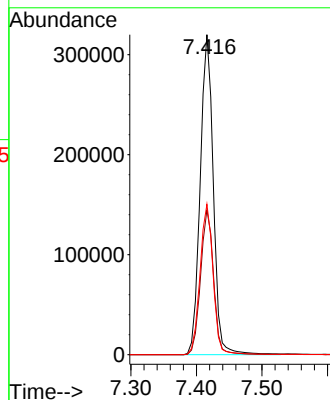
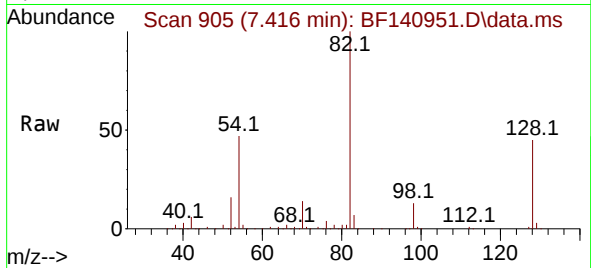




#23
Nitrobenzene-d5
Concen: 108.966 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.000 min
Lab File: BF140951.D
Acq: 20 Dec 2024 15:29

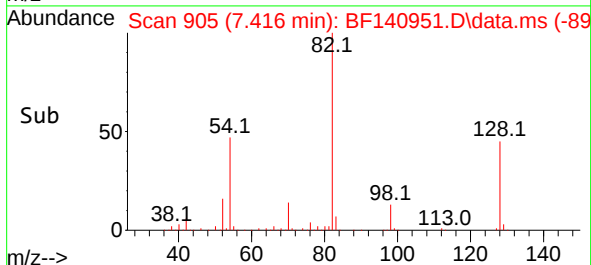
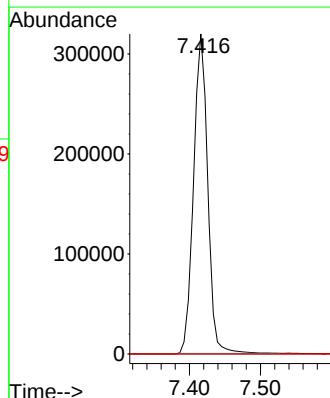
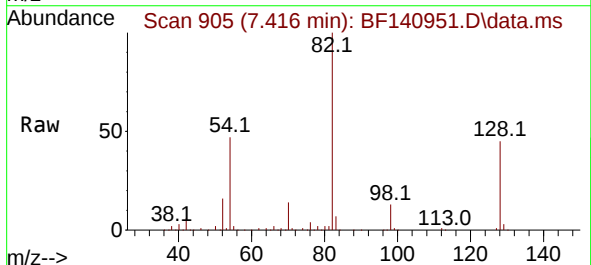
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-14-121224

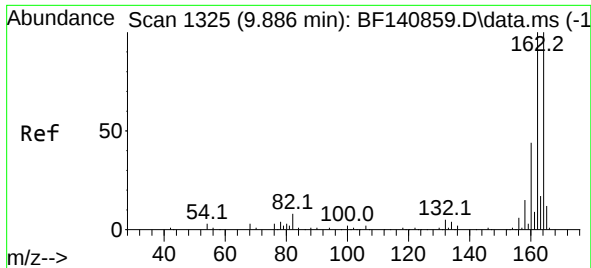
Tgt Ion: 82 Resp: 446453
Ion Ratio Lower Upper
82 100
128 45.2 34.4 51.6
54 47.0 38.8 58.2



#25
Isophorone
Concen: 64.098 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.259 min
Lab File: BF140951.D
Acq: 20 Dec 2024 15:29

Tgt Ion: 82 Resp: 440036
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 14.1 21.1#

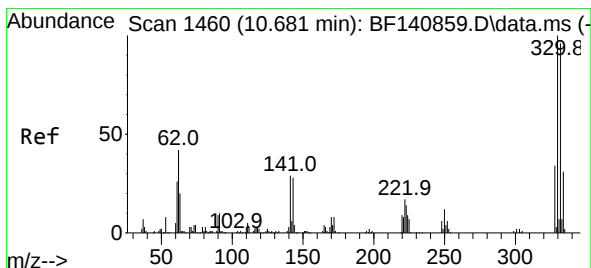
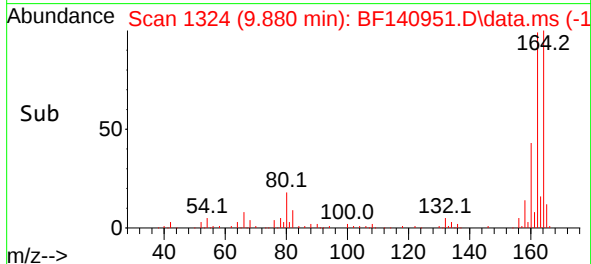
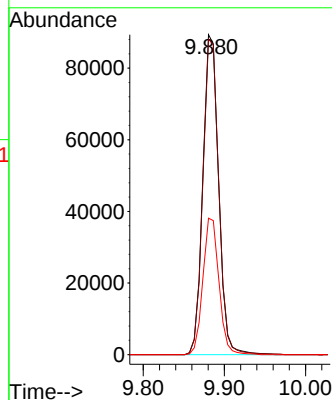
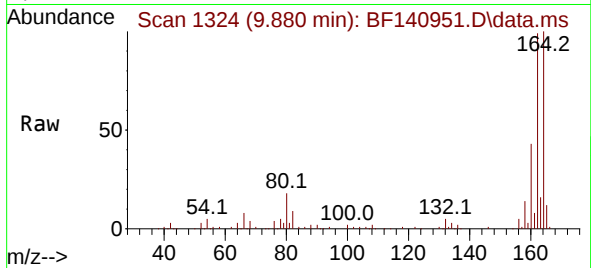




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140951.D
Acq: 20 Dec 2024 15:29

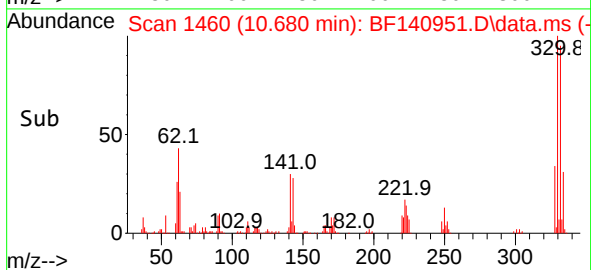
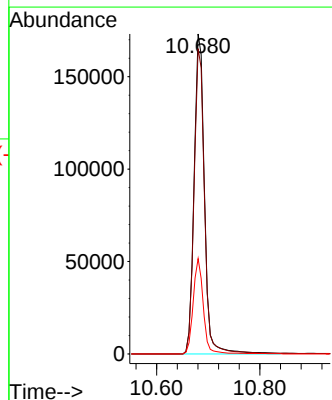
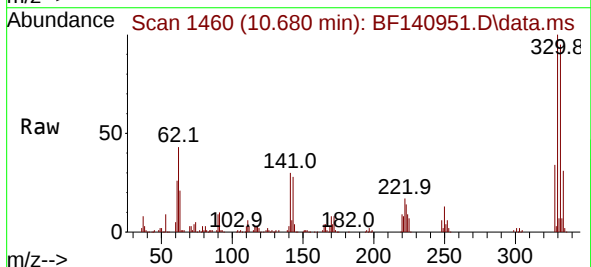
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-14-121224

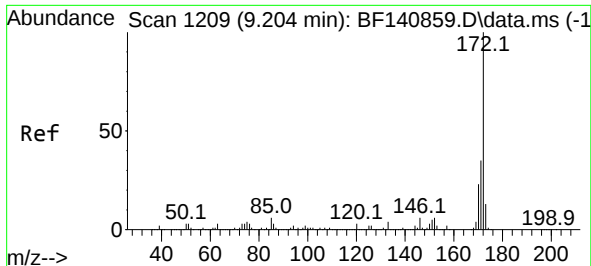
Tgt Ion:164 Resp: 120471
Ion Ratio Lower Upper
164 100
162 98.6 79.9 119.9
160 42.7 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 169.631 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF140951.D
Acq: 20 Dec 2024 15:29

Tgt Ion:330 Resp: 241695
Ion Ratio Lower Upper
330 100
332 95.8 76.2 114.4
141 29.1 24.9 37.3

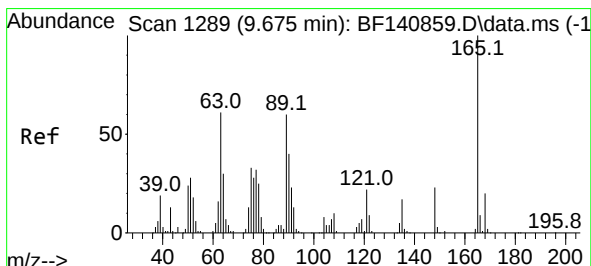
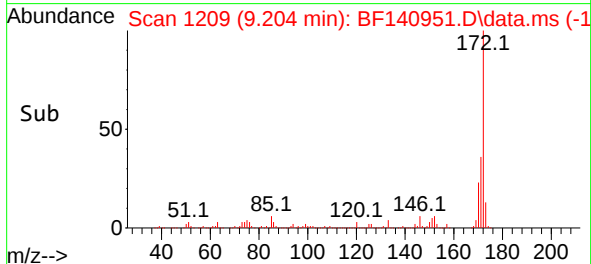
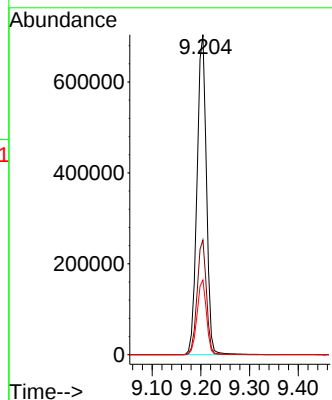
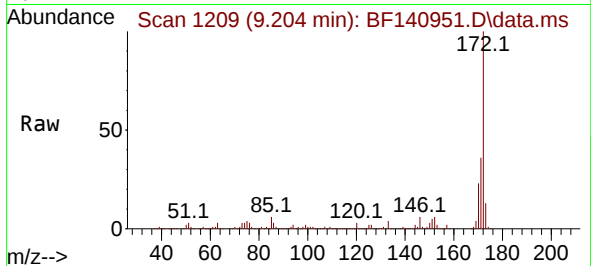




#45
2-Fluorobiphenyl
Concen: 108.768 ng
RT: 9.204 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140951.D
Acq: 20 Dec 2024 15:29

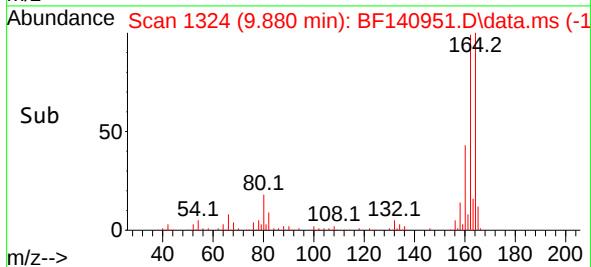
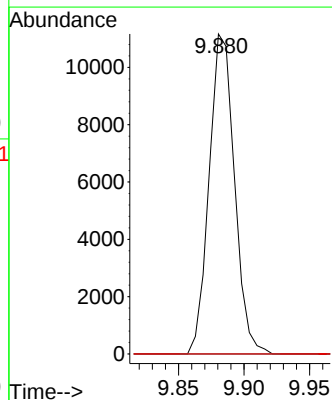
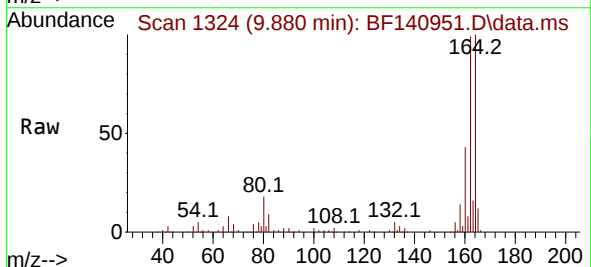
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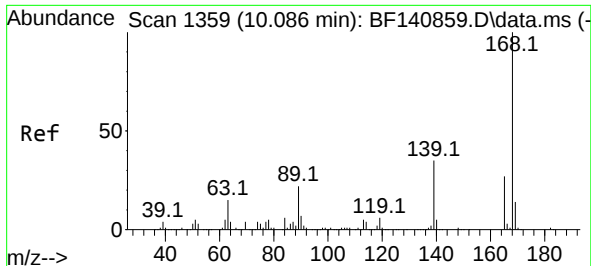
Tgt Ion:172 Resp: 953080
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 23.3 18.6 28.0



#51
2,6-Dinitrotoluene
Concen: 7.735 ng
RT: 9.880 min Scan# 1324
Delta R.T. 0.206 min
Lab File: BF140951.D
Acq: 20 Dec 2024 15:29

Tgt Ion:165 Resp: 15018
Ion Ratio Lower Upper
165 100
63 0.0 49.7 74.5#
89 0.0 48.2 72.4#

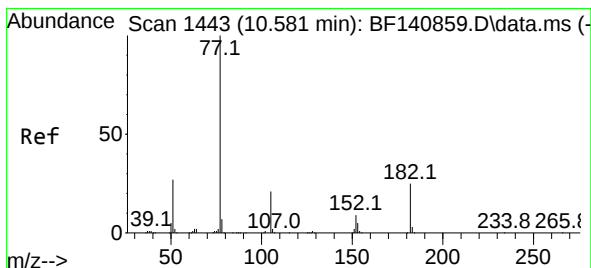
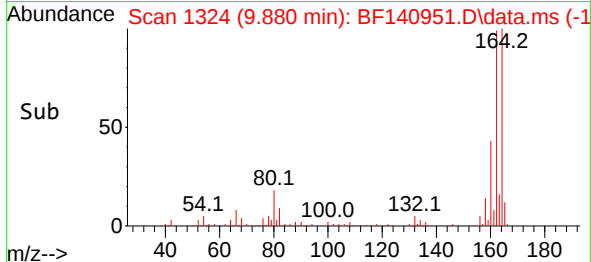
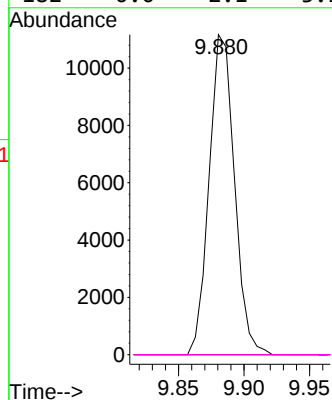
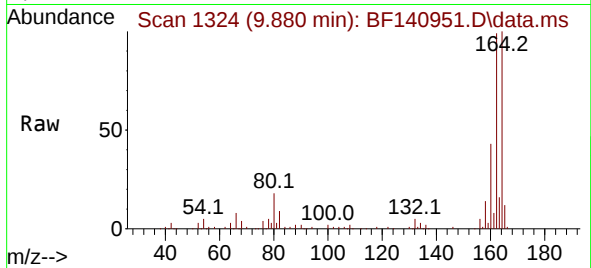




#57
2,4-Dinitrotoluene
Concen: 5.879 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF140951.D
Acq: 20 Dec 2024 15:29

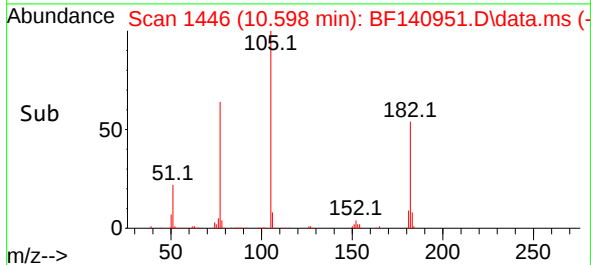
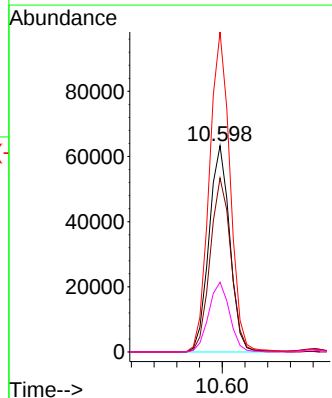
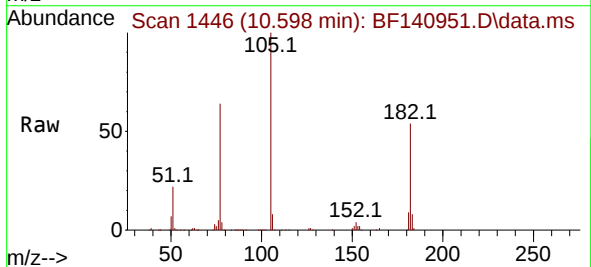
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-14-121224

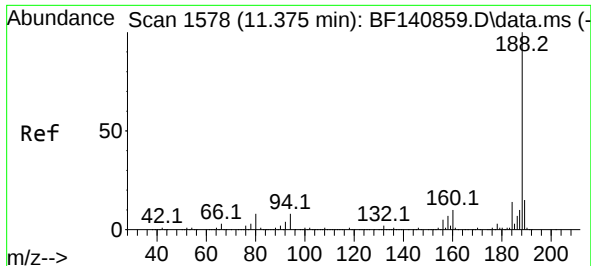
Tgt Ion:165	Resp:	15018
Ion Ratio	Lower	Upper
165	100	
63	0.0	49.3 73.9#
89	0.0	66.2 99.4#
182	0.0	2.1 3.1#



#63
Azobenzene
Concen: 9.704 ng
RT: 10.598 min Scan# 1446
Delta R.T. 0.018 min
Lab File: BF140951.D
Acq: 20 Dec 2024 15:29

Tgt Ion: 77	Resp:	80352
Ion Ratio	Lower	Upper
77	100	
182	84.4	4.5 44.5#
105	155.2	0.9 40.9#
51	33.8	8.6 48.6

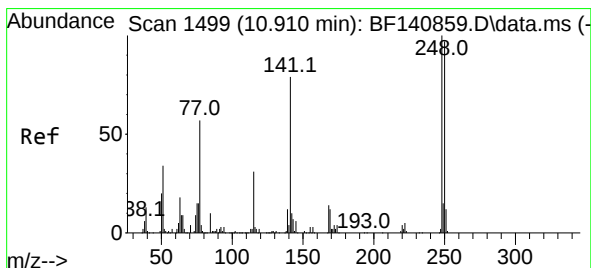
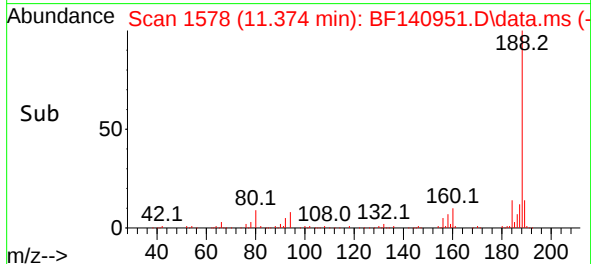
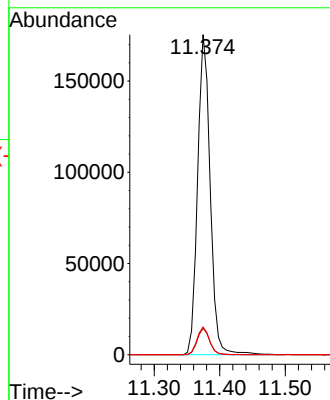
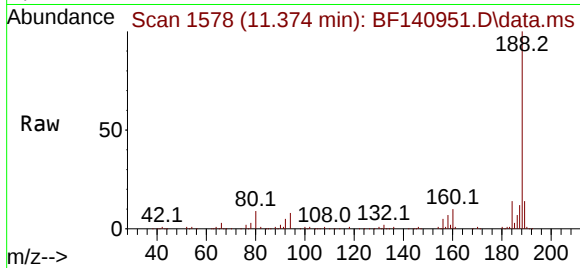




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140951.D
Acq: 20 Dec 2024 15:29

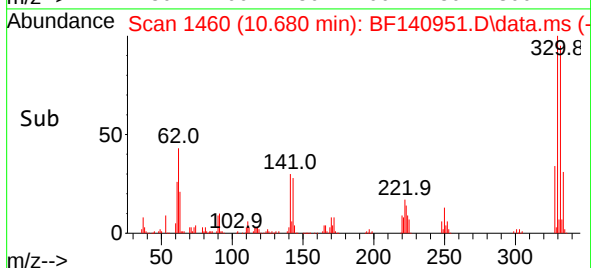
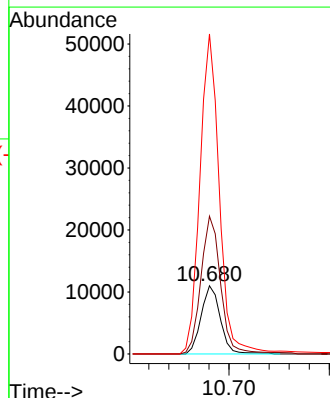
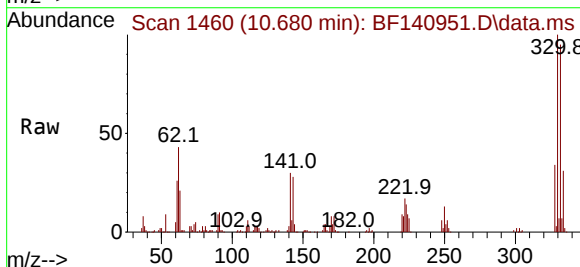
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-14-121224

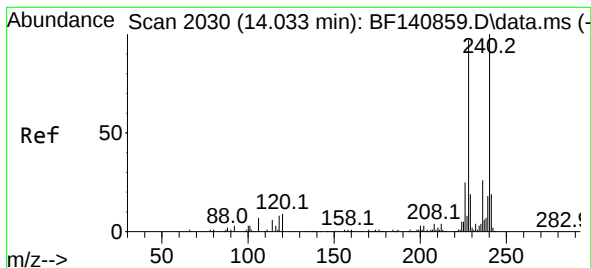
Tgt Ion:188 Resp: 234289
Ion Ratio Lower Upper
188 100
94 8.3 6.4 9.6
80 8.6 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 5.600 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.230 min
Lab File: BF140951.D
Acq: 20 Dec 2024 15:29

Tgt Ion:248 Resp: 14679
Ion Ratio Lower Upper
248 100
250 202.1 77.4 116.2#
141 469.2 62.9 94.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF140951.D

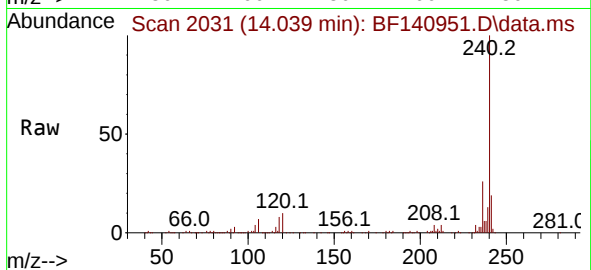
Acq: 20 Dec 2024 15:29

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-14-121224



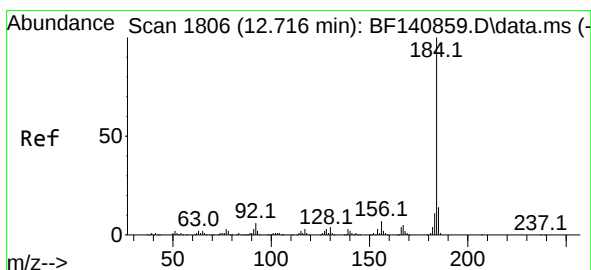
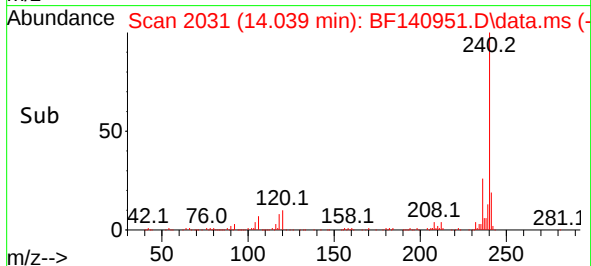
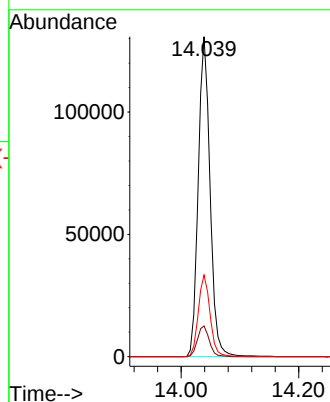
Tgt Ion:240 Resp: 182284

Ion Ratio Lower Upper

240 100

120 9.6 7.6 11.4

236 25.5 20.5 30.7



#77

Benzidine

Concen: 4.176 ng

RT: 12.963 min Scan# 1848

Delta R.T. 0.247 min

Lab File: BF140951.D

Acq: 20 Dec 2024 15:29

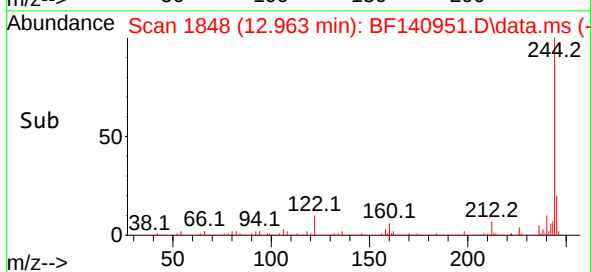
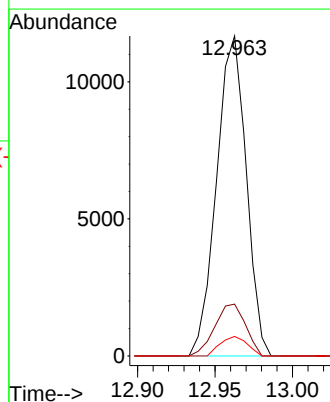
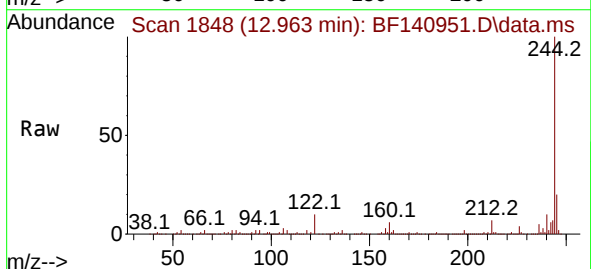
Tgt Ion:184 Resp: 15536

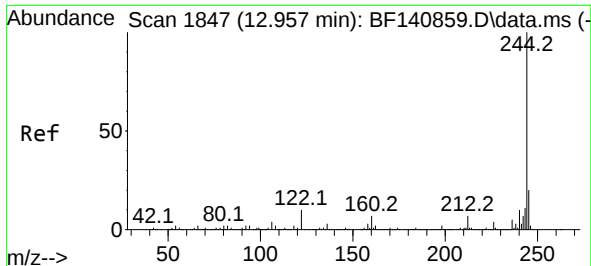
Ion Ratio Lower Upper

184 100

185 16.2 11.1 16.7

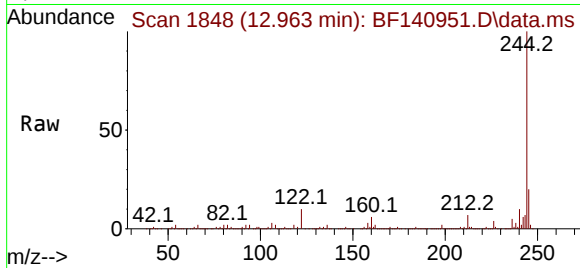
183 6.1 9.0 13.4#



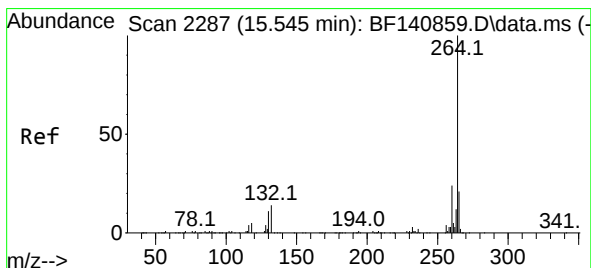
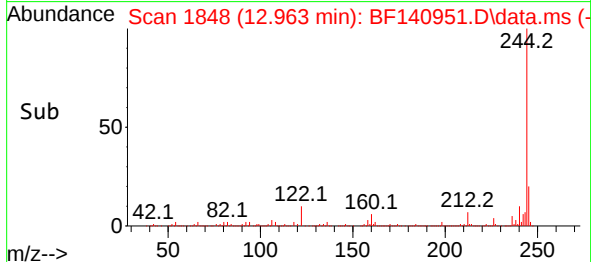
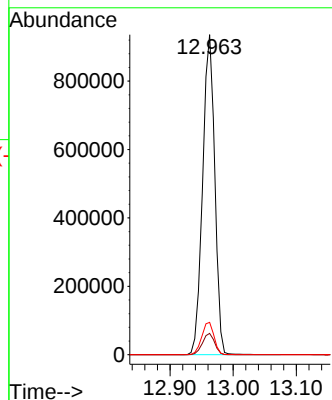


#79
 Terphenyl-d14
 Concen: 108.261 ng
 RT: 12.963 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF140951.D
 Acq: 20 Dec 2024 15:29

Instrument :
 BNA_F
 ClientSampleId :
 OU4-VSL-14-121224



Tgt Ion:244 Resp: 1251478
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.1 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2289
 Delta R.T. 0.012 min
 Lab File: BF140951.D
 Acq: 20 Dec 2024 15:29

Tgt Ion:264 Resp: 129207
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.1 28.7
 265 21.7 17.0 25.4

