

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102924\
 Data File : BF140120.D
 Acq On : 29 Oct 2024 19:03
 Operator : RC/JU
 Sample : P4594-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-F15

Quant Time: Oct 30 01:03:34 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)

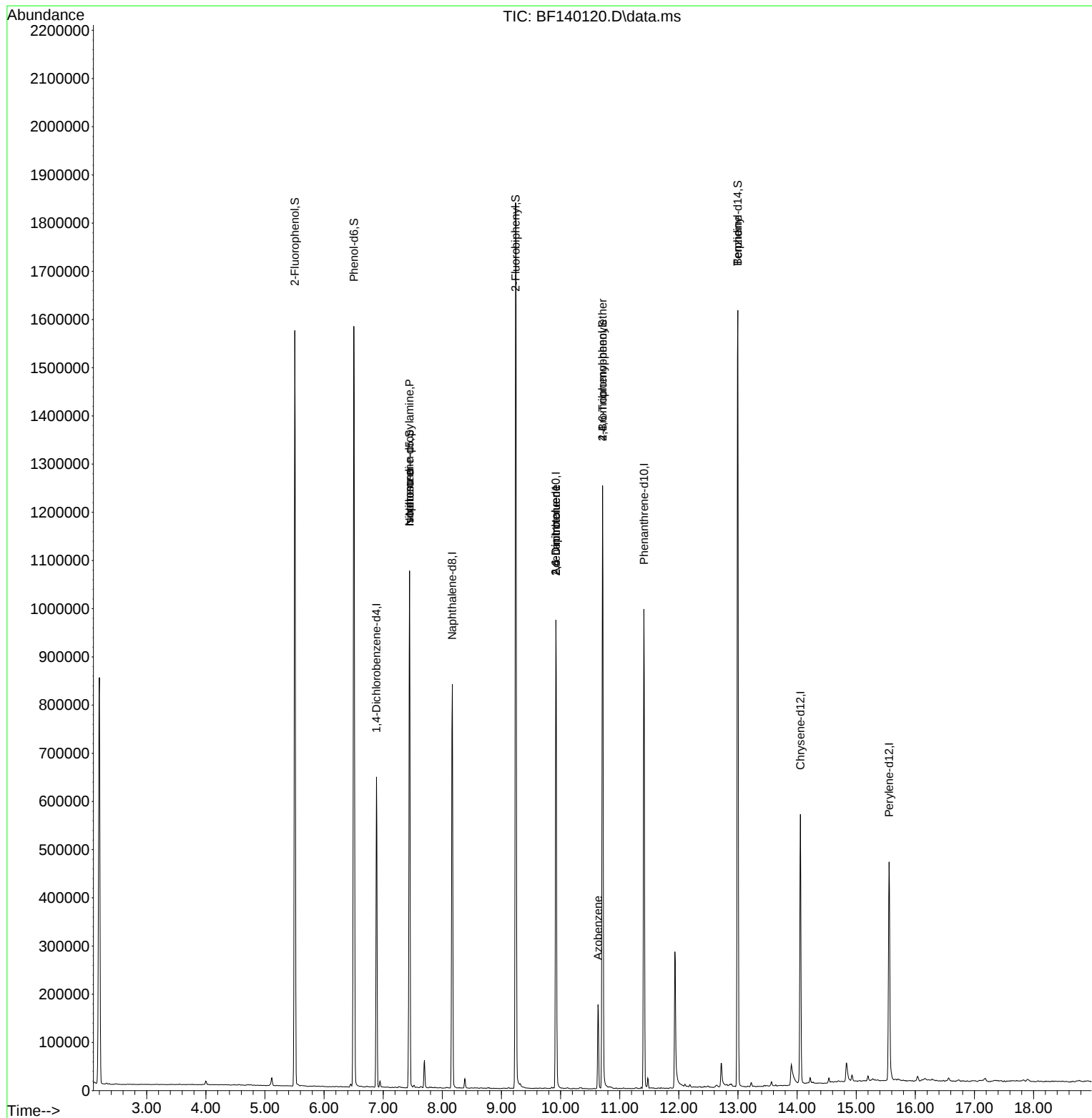
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	127733	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	507290	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	292876	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	523762	20.000	ng	0.00
76) Chrysene-d12	14.057	240	267281	20.000	ng	0.00
86) Perylene-d12	15.557	264	274638	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	560707	68.720	ng	0.00
7) Phenol-d6	6.504	99	734089	69.466	ng	0.00
23) Nitrobenzene-d5	7.445	82	466437	50.960	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	210736	76.926	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	855945	48.301	ng	-0.01
79) Terphenyl-d14	12.998	244	808873	49.313	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	61870	9.653	ng	# 78
25) Isophorone	7.445	82	462653	26.632	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	37632	9.527	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	37632	7.747	ng	# 21
63) Azobenzene	10.633	77	46432	2.445	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	13057	2.420	ng	# 1
77) Benzidine	12.998	184	10282	2.339	ng	# 91

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

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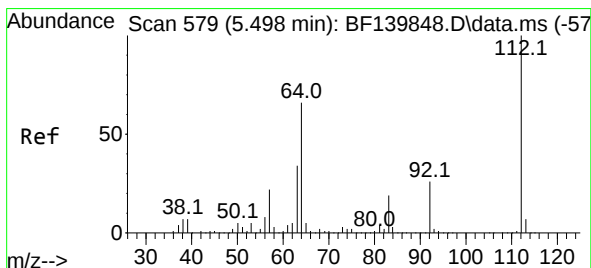
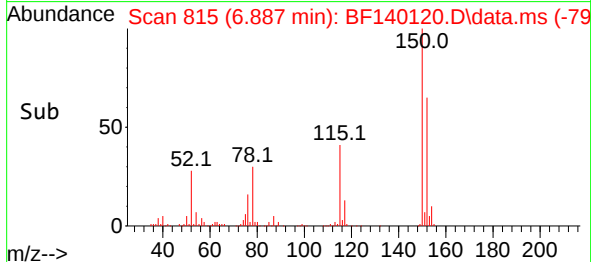
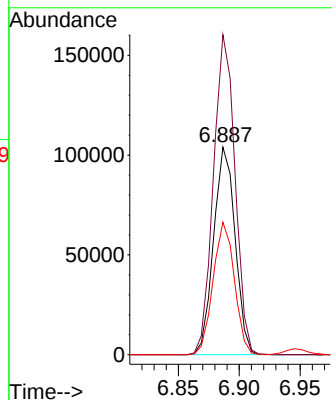
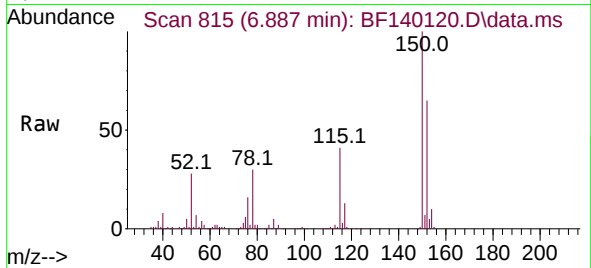




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140120.D
Acq: 29 Oct 2024 19:03

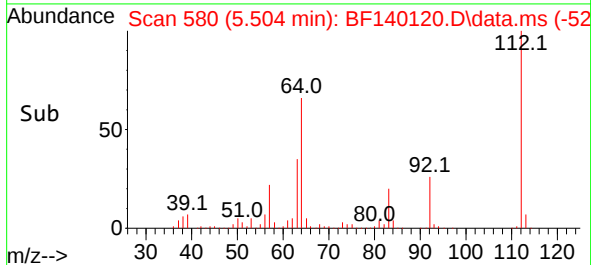
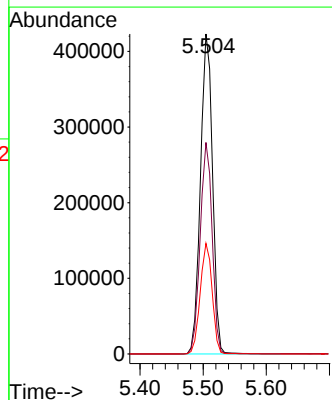
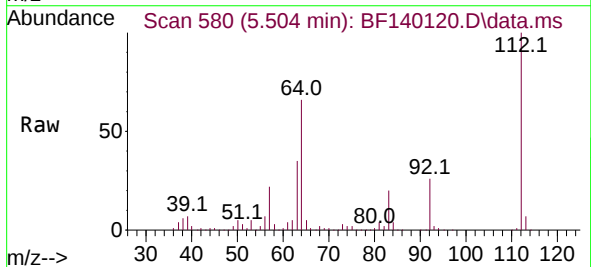
Instrument :
BNA_F
ClientSampleId :
BP-F15

Tgt Ion:152 Resp: 127733
Ion Ratio Lower Upper
152 100
150 154.2 130.2 195.2
115 63.8 51.4 77.2



#5
2-Fluorophenol
Concen: 68.720 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140120.D
Acq: 29 Oct 2024 19:03

Tgt Ion:112 Resp: 560707
Ion Ratio Lower Upper
112 100
64 66.1 53.0 79.6
63 34.5 27.0 40.4

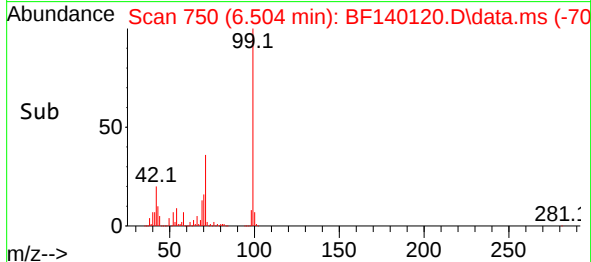
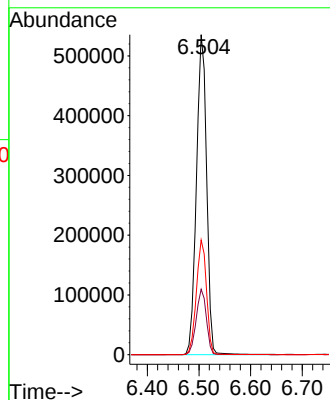
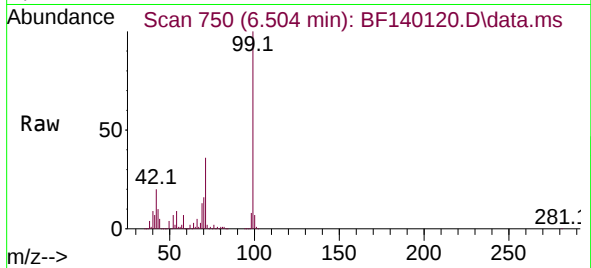




#7
Phenol-d6
Concen: 69.466 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140120.D
Acq: 29 Oct 2024 19:03

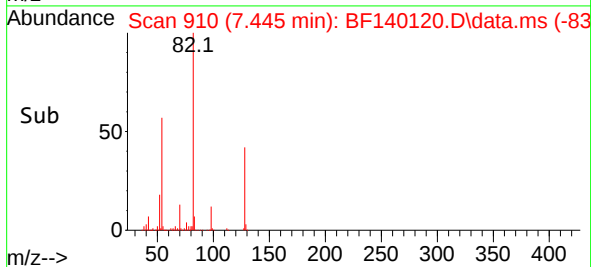
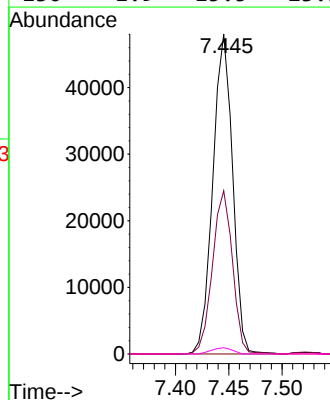
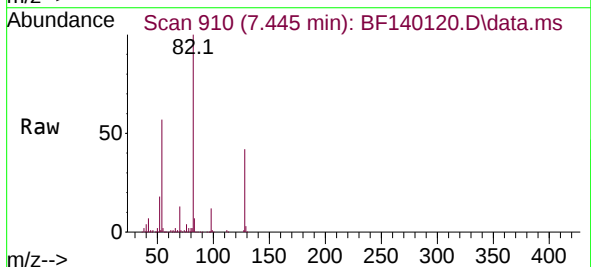
Instrument :
BNA_F
ClientSampleId :
BP-F15

Tgt Ion: 99 Resp: 734089
Ion Ratio Lower Upper
99 100
42 20.5 16.7 25.1
71 35.8 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 9.653 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140120.D
Acq: 29 Oct 2024 19:03

Tgt Ion: 70 Resp: 61870
Ion Ratio Lower Upper
70 100
42 51.0 51.5 77.3#
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#



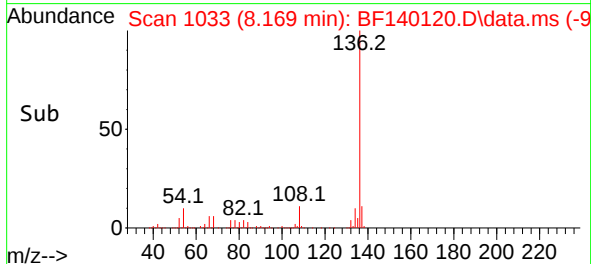
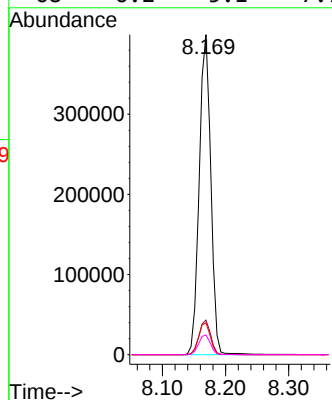
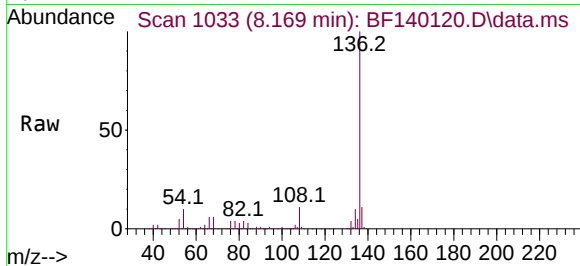


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF140120.D
Acq: 29 Oct 2024 19:03

Instrument :
BNA_F
ClientSampleId :
BP-F15

Tgt Ion:136 Resp: 507290

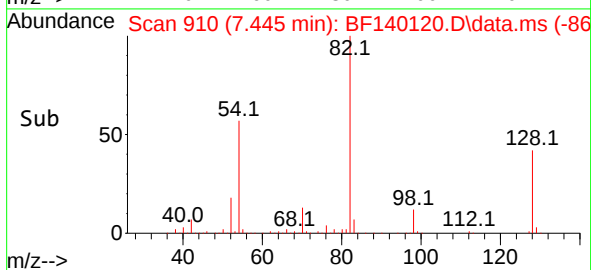
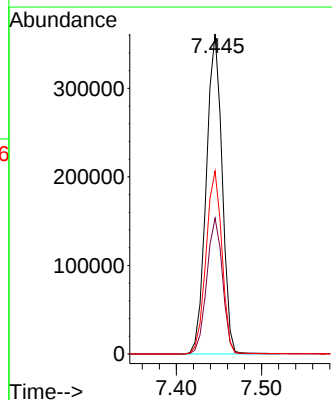
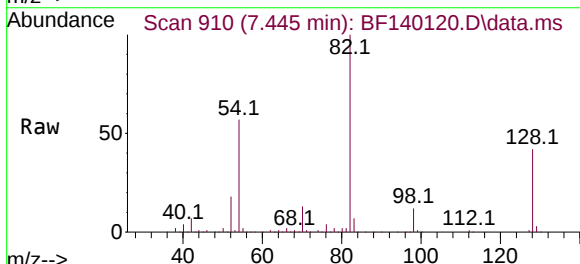
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	9.9	8.4	12.6
68	6.2	5.1	7.7



#23
Nitrobenzene-d5
Concen: 50.960 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140120.D
Acq: 29 Oct 2024 19:03

Tgt Ion: 82 Resp: 466437

Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.4	50.0
54	57.2	47.8	71.8

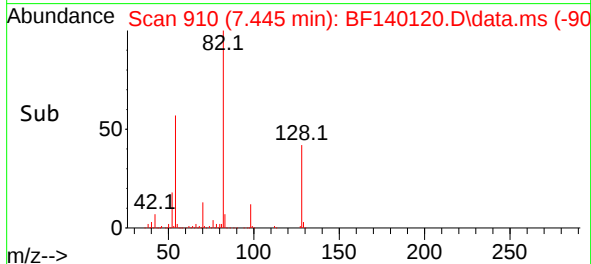
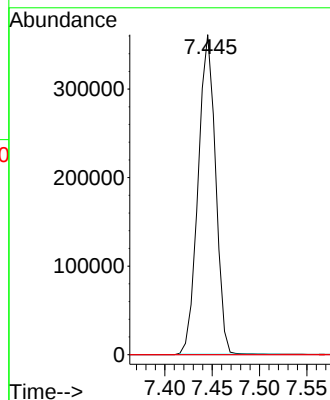
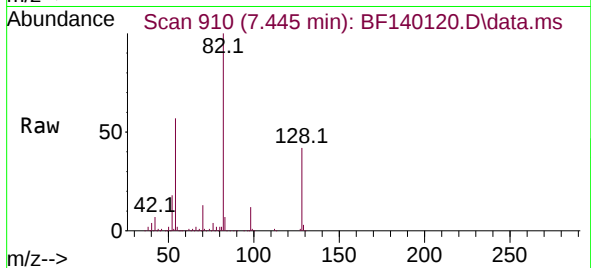




#25
Isophorone
Concen: 26.632 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF140120.D
Acq: 29 Oct 2024 19:03

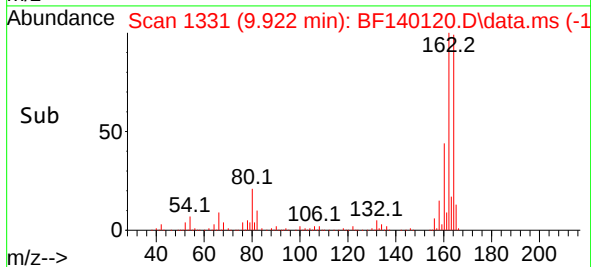
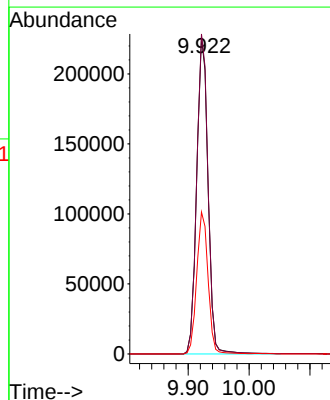
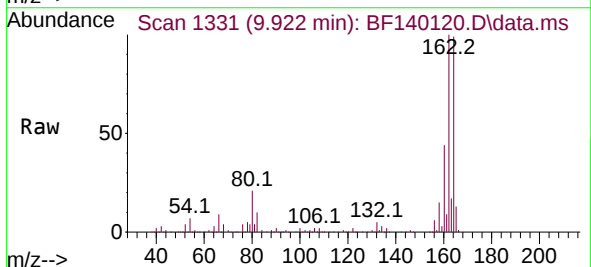
Instrument :
BNA_F
ClientSampleId :
BP-F15

Tgt Ion: 82 Resp: 462653
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: BF140120.D
Acq: 29 Oct 2024 19:03

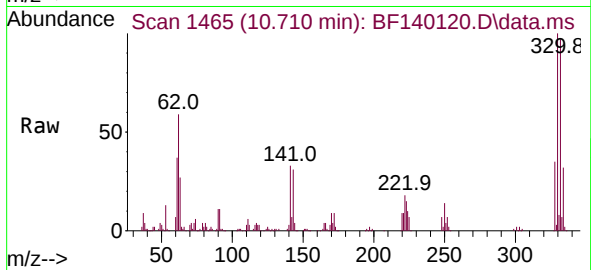
Tgt Ion: 164 Resp: 292876
Ion Ratio Lower Upper
164 100
162 101.0 81.0 121.4
160 44.8 35.4 53.0



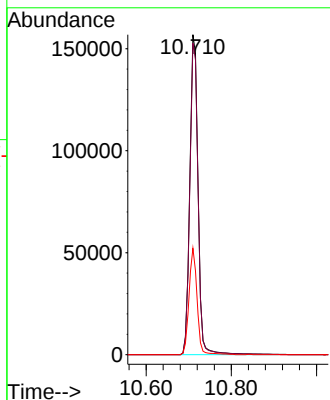
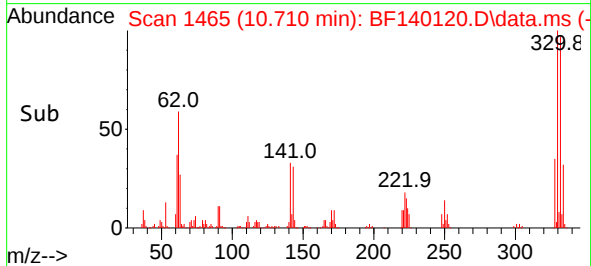


#42
2,4,6-Tribromophenol
Concen: 76.926 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF140120.D
Acq: 29 Oct 2024 19:03

Instrument :
BNA_F
ClientSampleId :
BP-F15

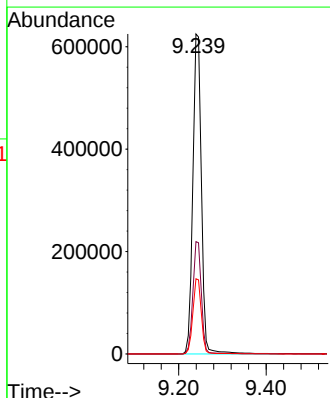
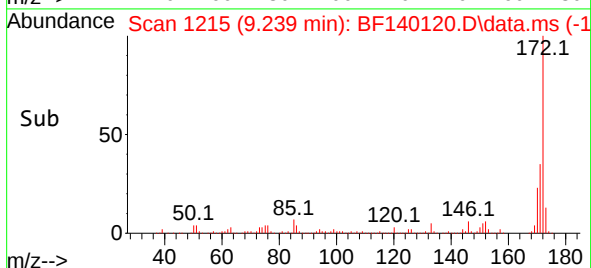
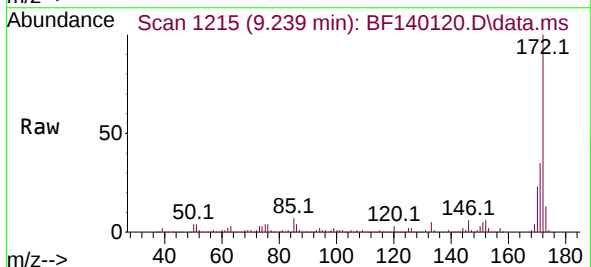


Tgt Ion:330 Resp: 210736
Ion Ratio Lower Upper
330 100
332 97.6 78.1 117.1
141 32.4 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 48.301 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140120.D
Acq: 29 Oct 2024 19:03

Tgt Ion:172 Resp: 855945
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.5 19.1 28.7

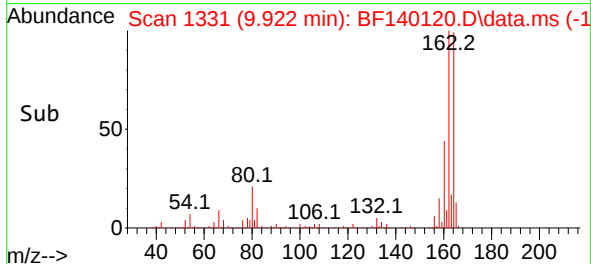
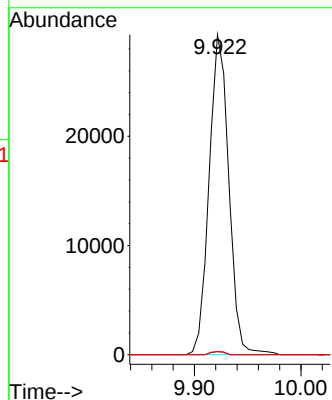
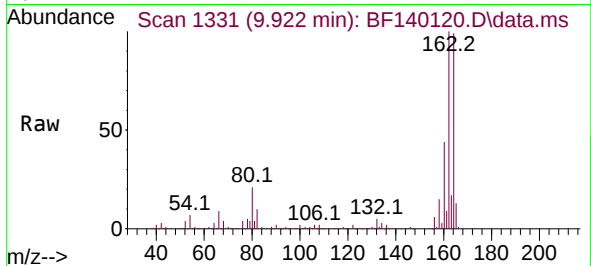




#51
2,6-Dinitrotoluene
Concen: 9.527 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140120.D
Acq: 29 Oct 2024 19:03

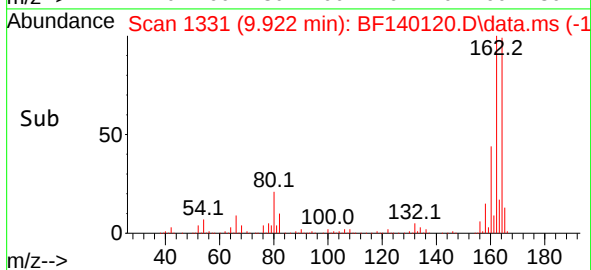
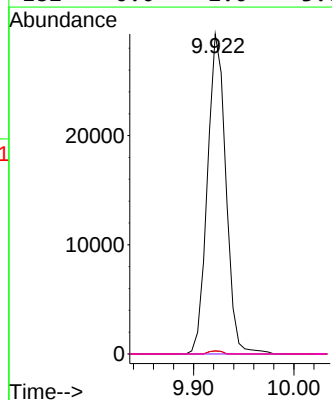
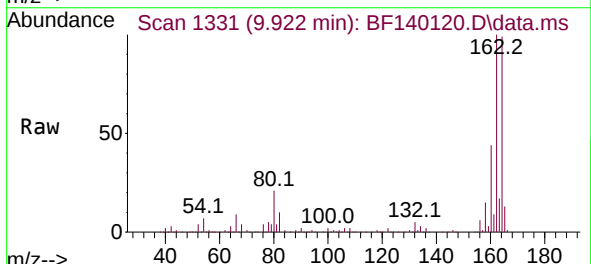
Instrument :
BNA_F
ClientSampleId :
BP-F15

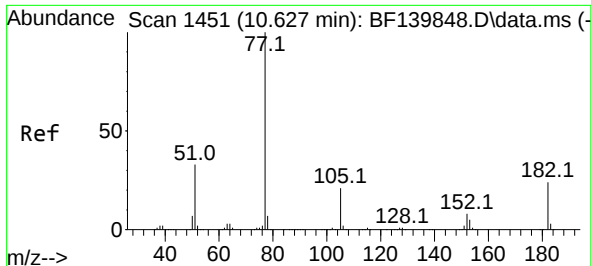
Tgt Ion:165 Resp: 37632
Ion Ratio Lower Upper
165 100
63 0.9 50.6 75.8#
89 1.0 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.747 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140120.D
Acq: 29 Oct 2024 19:03

Tgt Ion:165 Resp: 37632
Ion Ratio Lower Upper
165 100
63 0.9 40.1 60.1#
89 1.0 60.4 90.6#
182 0.0 2.0 3.0#

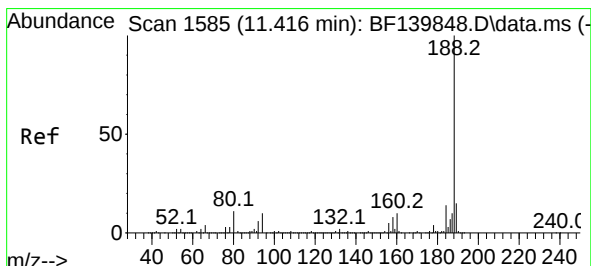
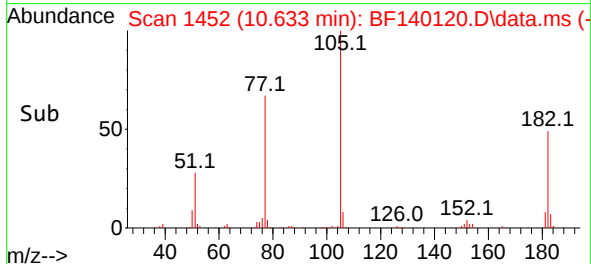
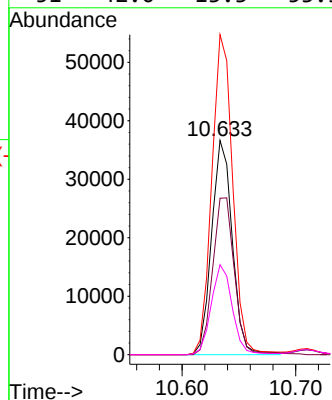
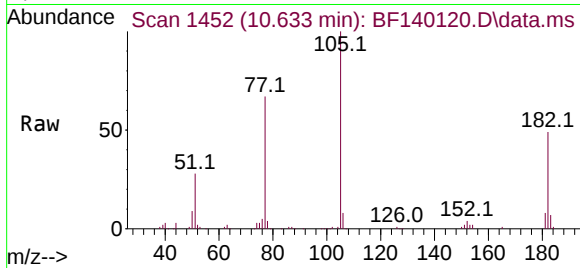




#63
Azobenzene
Concen: 2.445 ng
RT: 10.633 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF140120.D
Acq: 29 Oct 2024 19:03

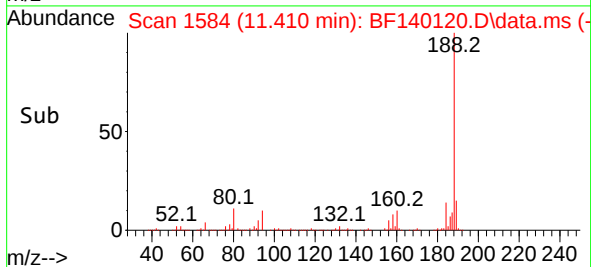
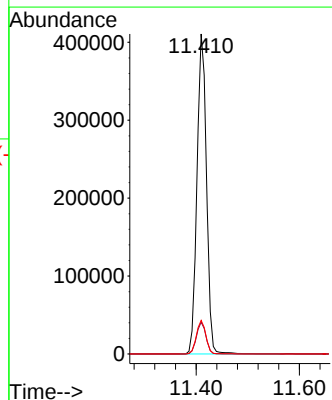
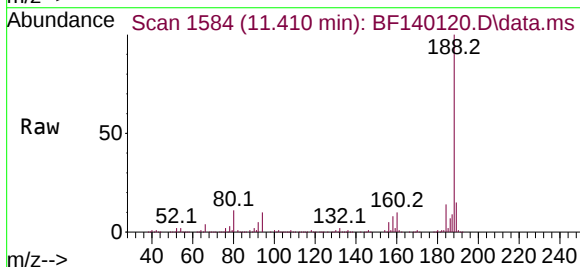
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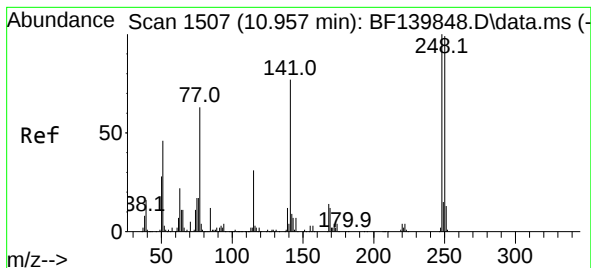
Tgt Ion: 77	Resp: 46432
Ion Ratio	Lower Upper
77 100	
182 73.1	3.3 43.3#
105 149.4	1.2 41.2#
51 42.0	13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF140120.D
Acq: 29 Oct 2024 19:03

Tgt Ion: 188	Resp: 523762
Ion Ratio	Lower Upper
188 100	
94 10.0	7.9 11.9
80 10.5	9.0 13.4

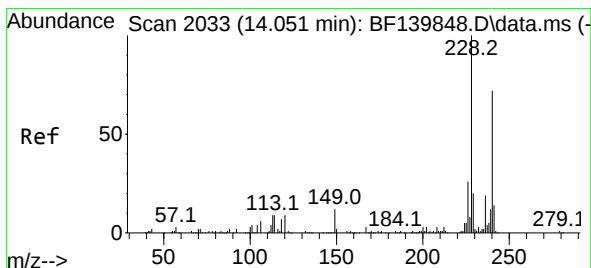
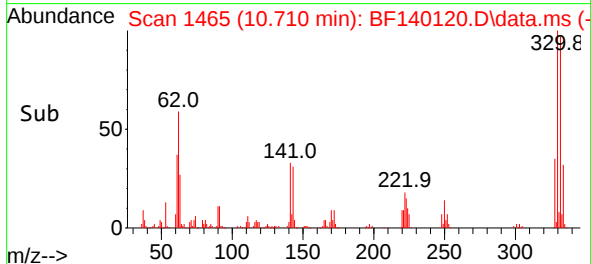
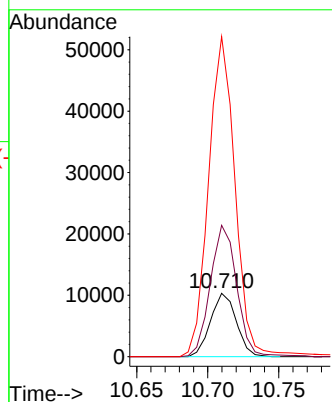
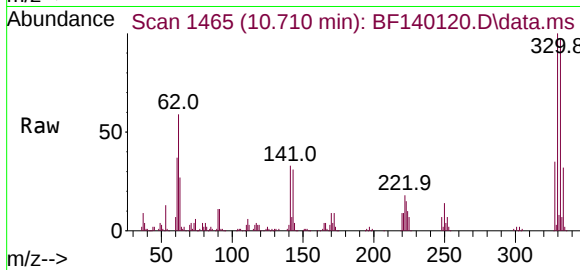




#67
4-Bromophenyl-phenylether
Concen: 2.420 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF140120.D
Acq: 29 Oct 2024 19:03

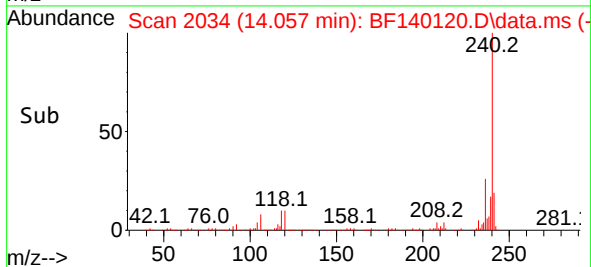
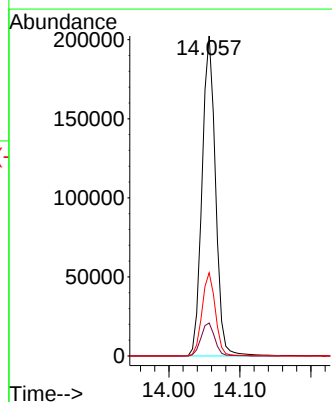
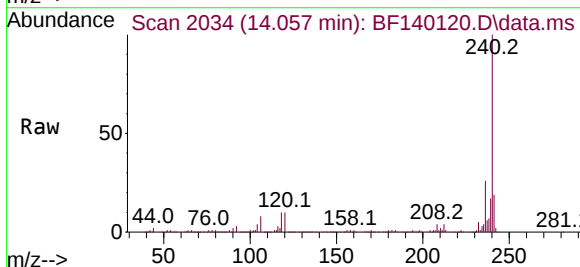
Instrument :
BNA_F
ClientSampleId :
BP-F15

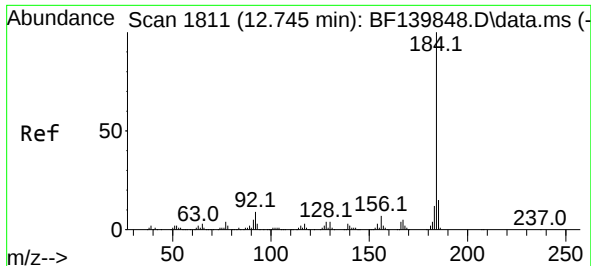
Tgt Ion:248 Resp: 13057
Ion Ratio Lower Upper
248 100
250 207.1 79.0 118.6#
141 504.8 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140120.D
Acq: 29 Oct 2024 19:03

Tgt Ion:240 Resp: 267281
Ion Ratio Lower Upper
240 100
120 10.3 9.4 14.2
236 26.0 20.9 31.3

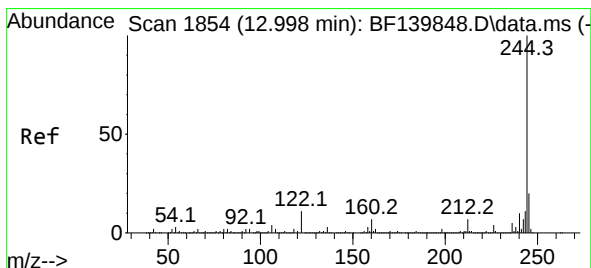
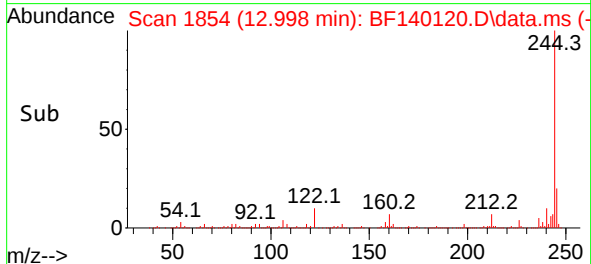
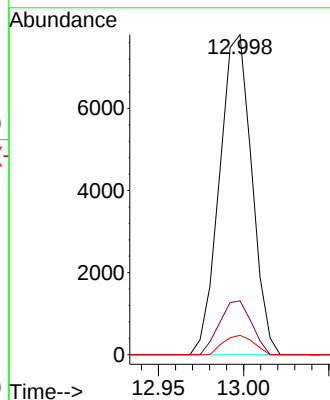
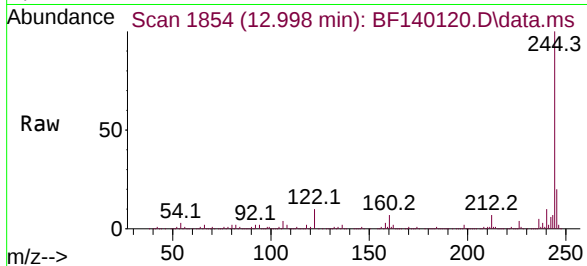




#77
Benzidine
Concen: 2.339 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.253 min
Lab File: BF140120.D
Acq: 29 Oct 2024 19:03

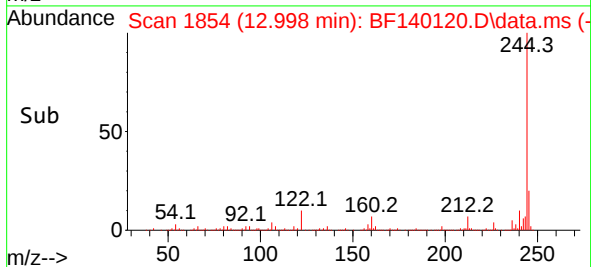
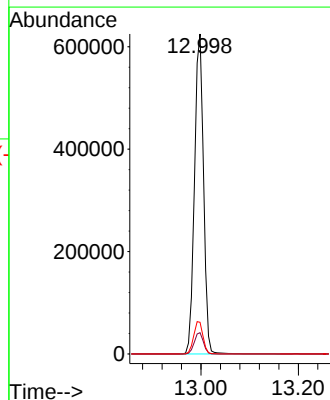
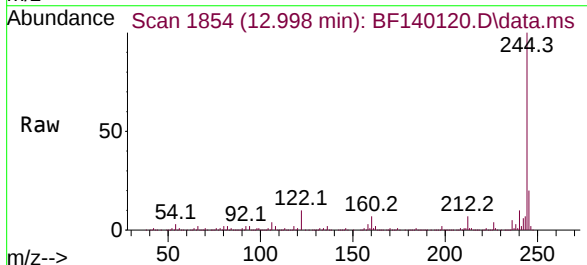
Instrument :
BNA_F
ClientSampleId :
BP-F15

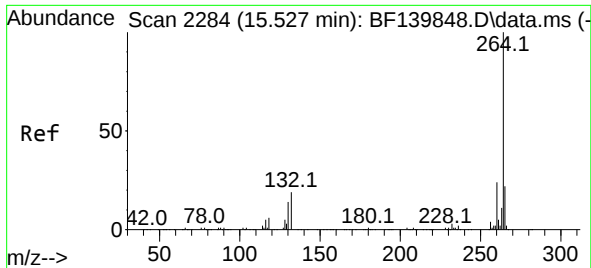
Tgt Ion:184 Resp: 10282
Ion Ratio Lower Upper
184 100
185 16.8 12.0 18.0
183 6.1 9.4 14.2#



#79
Terphenyl-d14
Concen: 49.313 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF140120.D
Acq: 29 Oct 2024 19:03

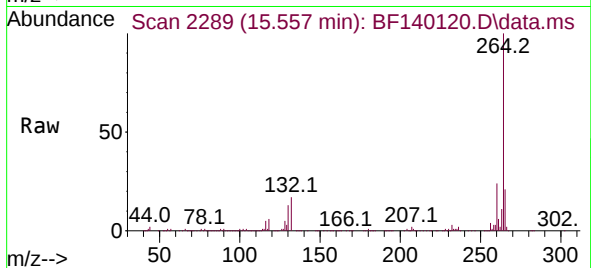
Tgt Ion:244 Resp: 808873
Ion Ratio Lower Upper
244 100
212 6.7 5.7 8.5
122 9.9 8.6 13.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF140120.D
Acq: 29 Oct 2024 19:03

Instrument :
BNA_F
ClientSampleId :
BP-F15



Tgt Ion:264 Resp: 274638
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 21.5 17.4 26.0

