

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102924\
 Data File : BF140130.D
 Acq On : 29 Oct 2024 23:24
 Operator : RC/JU
 Sample : P4597-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BLUE-2-2

Quant Time: Oct 30 01:05:53 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)

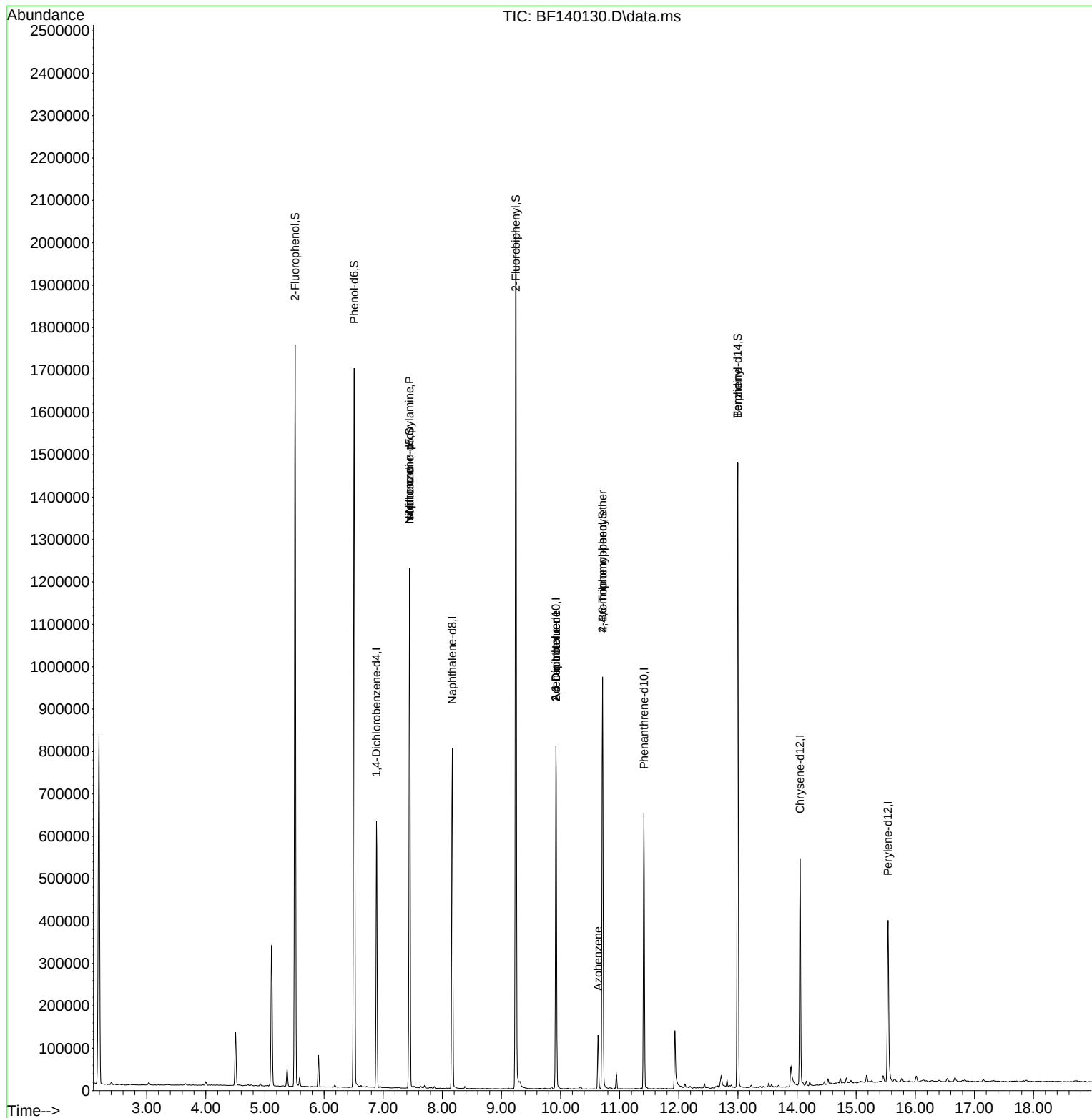
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	126449	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	478663	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	241095	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	337373	20.000	ng	0.00
76) Chrysene-d12	14.051	240	254150	20.000	ng	0.00
86) Perylene-d12	15.539	264	236900	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	627098	77.637	ng	0.01
7) Phenol-d6	6.510	99	787644	75.291	ng	0.00
23) Nitrobenzene-d5	7.445	82	542260	62.787	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	158676	70.362	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	964400	66.109	ng	0.00
79) Terphenyl-d14	12.998	244	721218	46.241	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	72877	11.486	ng	# 78
25) Isophorone	7.445	82	537744	32.805	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	30934	9.514	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	30934	7.736	ng	# 21
63) Azobenzene	10.634	77	33089	2.117	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	10202	2.935	ng	# 1
77) Benzidine	12.998	184	9303	2.226	ng	# 93

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

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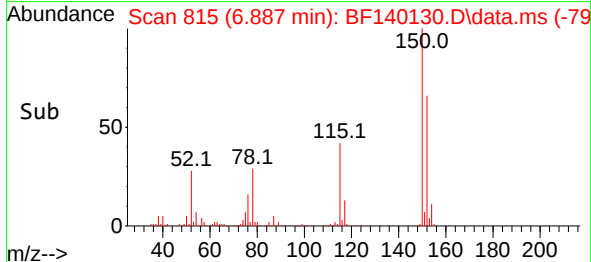
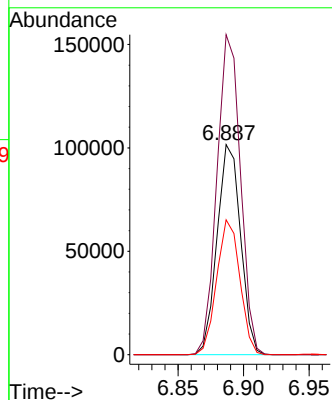
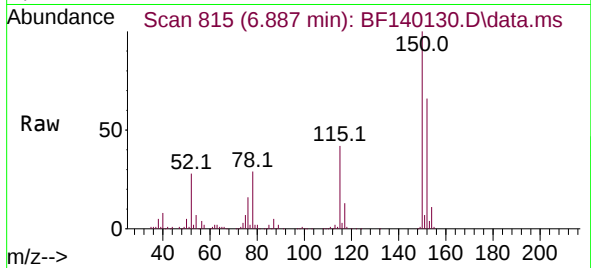




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140130.D
Acq: 29 Oct 2024 23:24

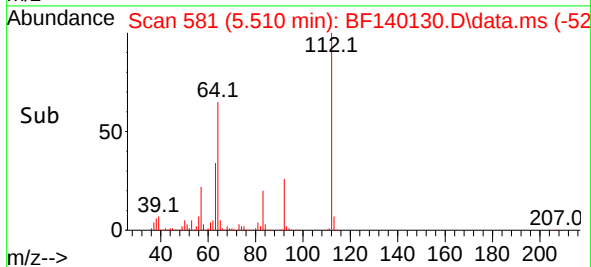
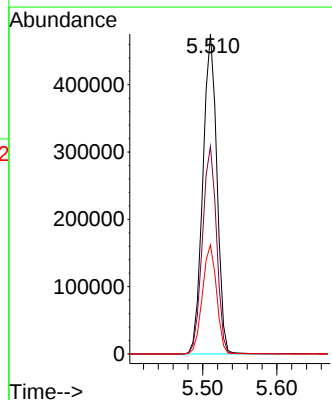
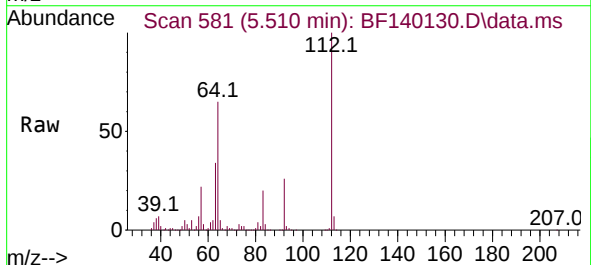
Instrument :
BNA_F
ClientSampleId :
BLUE-2-2

Tgt Ion:152 Resp: 126449
Ion Ratio Lower Upper
152 100
150 152.3 130.2 195.2
115 64.2 51.4 77.2



#5
2-Fluorophenol
Concen: 77.637 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140130.D
Acq: 29 Oct 2024 23:24

Tgt Ion:112 Resp: 627098
Ion Ratio Lower Upper
112 100
64 64.9 53.0 79.6
63 34.1 27.0 40.4

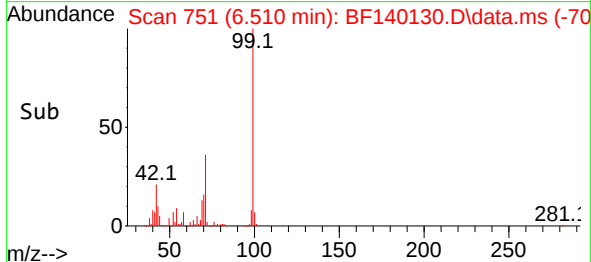
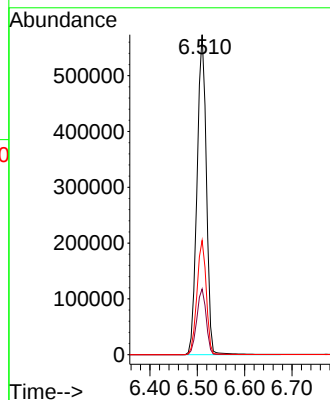
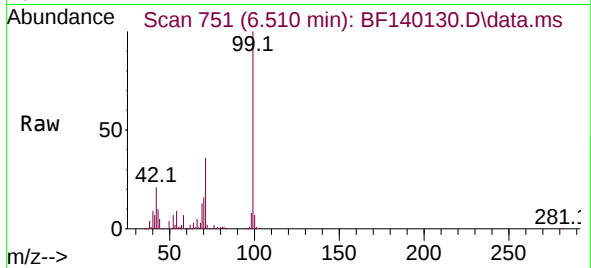




#7
Phenol-d6
Concen: 75.291 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140130.D
Acq: 29 Oct 2024 23:24

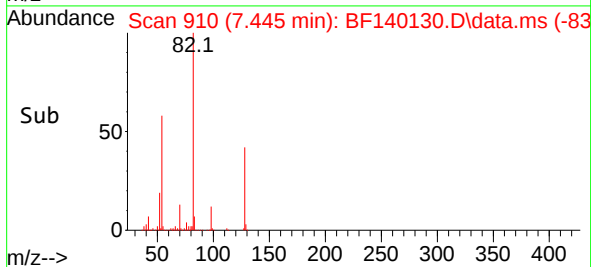
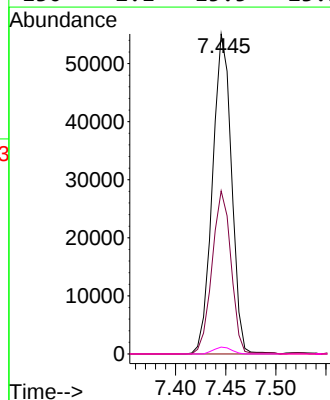
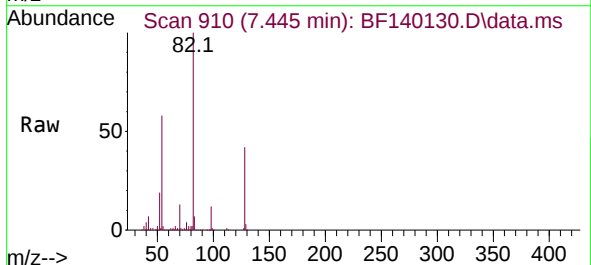
Instrument :
BNA_F
ClientSampleId :
BLUE-2-2

Tgt Ion: 99 Resp: 787644
Ion Ratio Lower Upper
99 100
42 20.5 16.7 25.1
71 35.7 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.486 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140130.D
Acq: 29 Oct 2024 23:24

Tgt Ion: 70 Resp: 72877
Ion Ratio Lower Upper
70 100
42 50.9 51.5 77.3#
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#



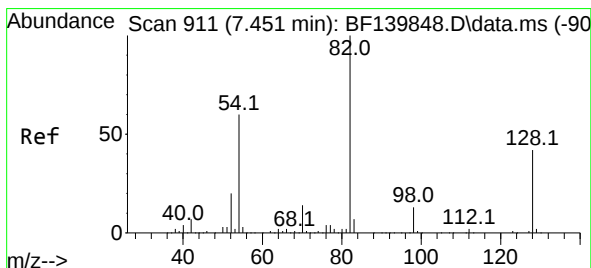
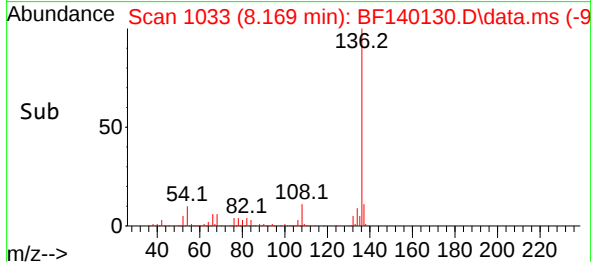
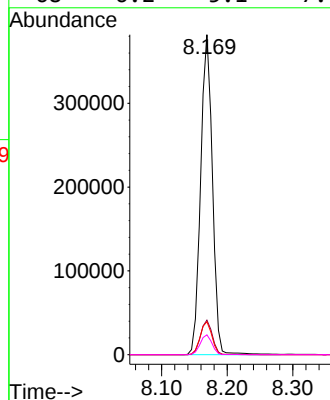
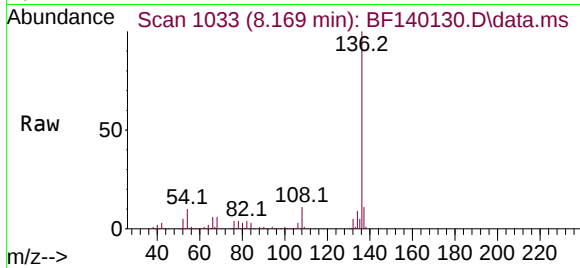


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140130.D
Acq: 29 Oct 2024 23:24

Instrument :
BNA_F
ClientSampleId :
BLUE-2-2

Tgt Ion:136 Resp: 478663

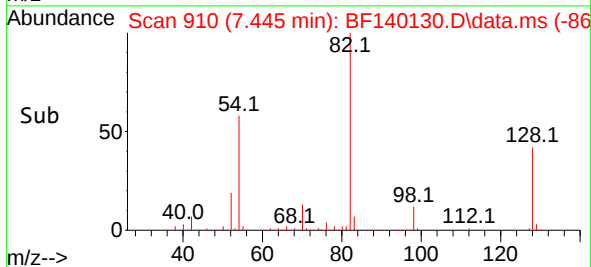
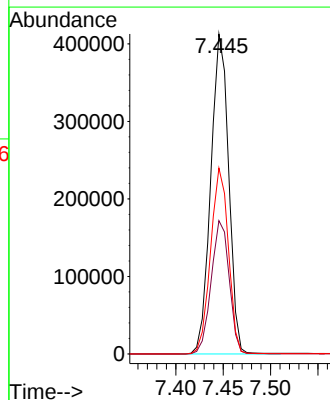
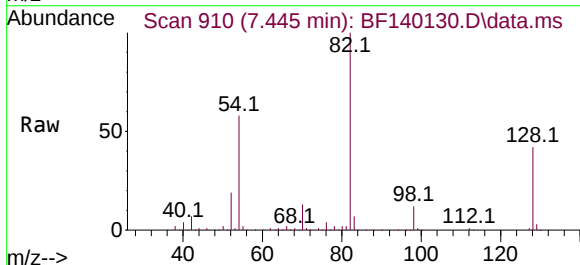
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	10.3	8.4	12.6
68	6.2	5.1	7.7

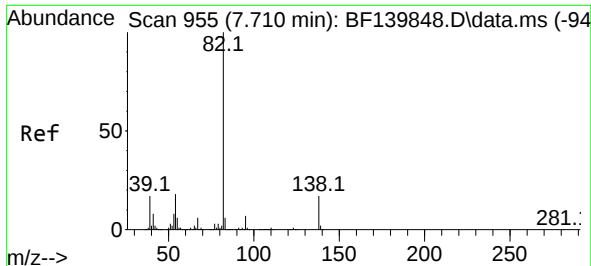


#23
Nitrobenzene-d5
Concen: 62.787 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140130.D
Acq: 29 Oct 2024 23:24

Tgt Ion: 82 Resp: 542260

Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.4	50.0
54	58.1	47.8	71.8

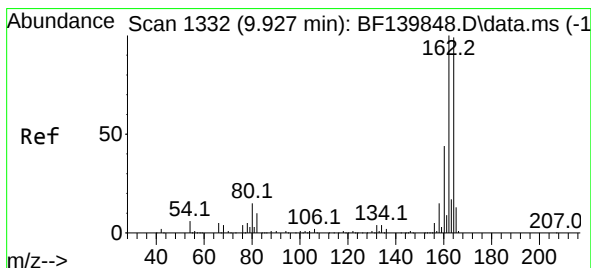
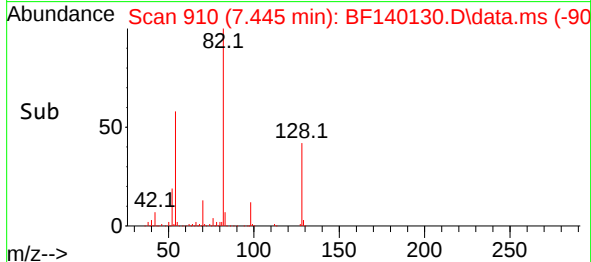
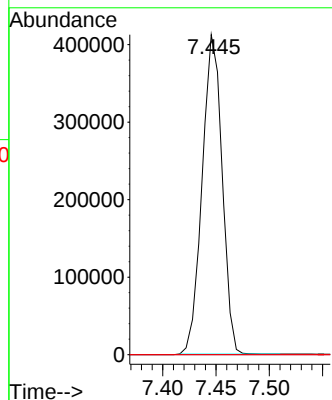
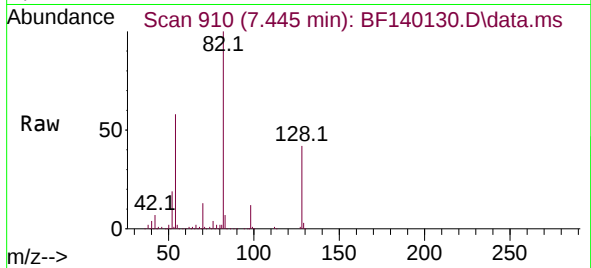




#25
Isophorone
Concen: 32.805 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.264 min
Lab File: BF140130.D
Acq: 29 Oct 2024 23:24

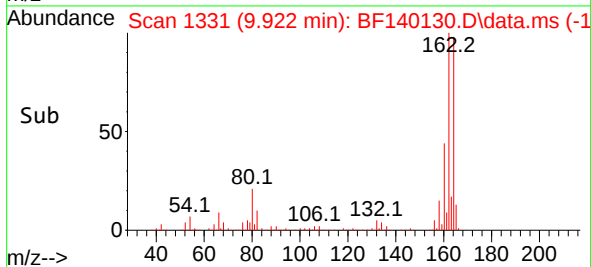
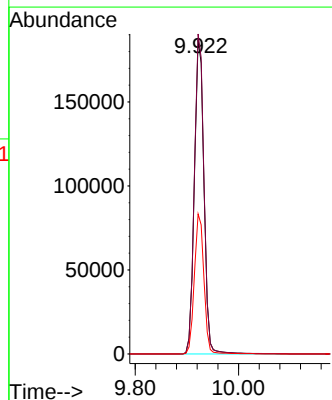
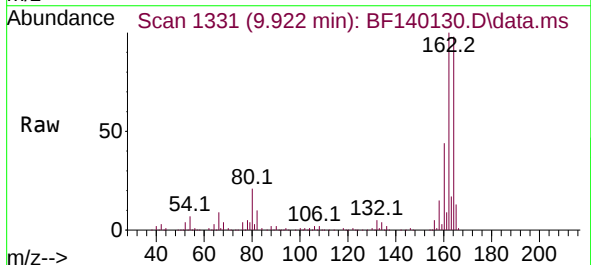
Instrument :
BNA_F
ClientSampleId :
BLUE-2-2

Tgt Ion: 82 Resp: 537744
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: BF140130.D
Acq: 29 Oct 2024 23:24

Tgt Ion: 164 Resp: 241095
Ion Ratio Lower Upper
164 100
162 101.9 81.0 121.4
160 44.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 70.362 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF140130.D

Acq: 29 Oct 2024 23:24

Instrument :

BNA_F

ClientSampleId :

BLUE-2-2

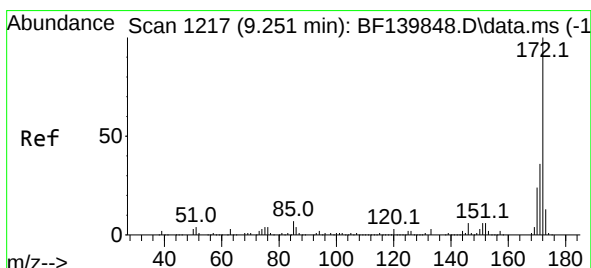
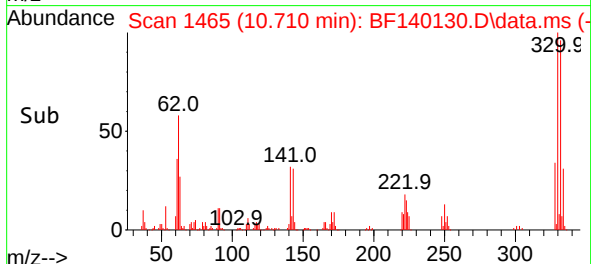
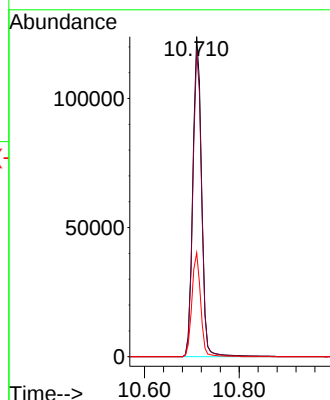
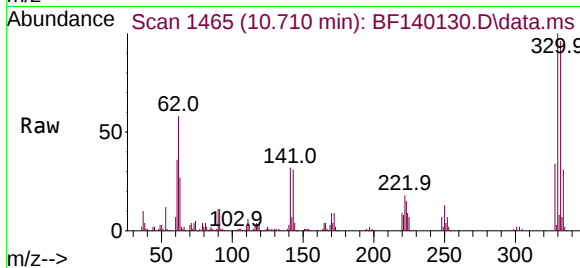
Tgt Ion:330 Resp: 158676

Ion Ratio Lower Upper

330 100

332 95.5 78.1 117.1

141 32.2 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 66.109 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140130.D

Acq: 29 Oct 2024 23:24

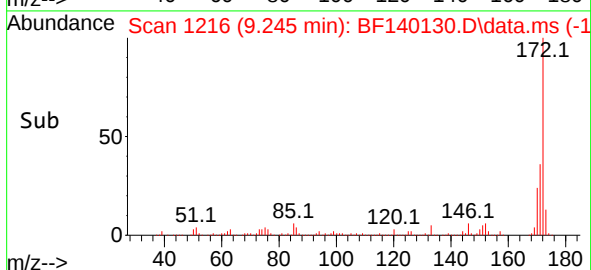
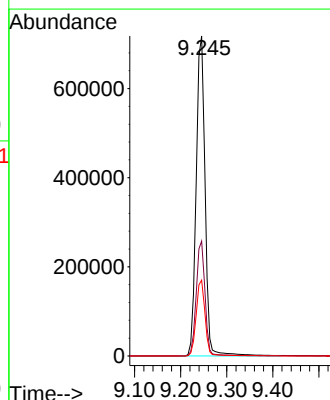
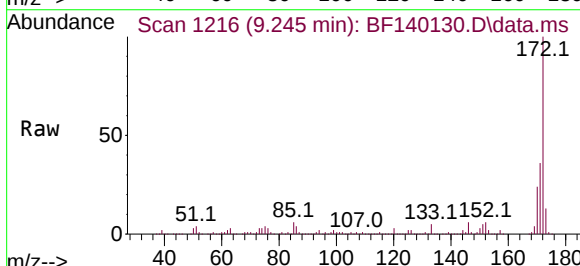
Tgt Ion:172 Resp: 964400

Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 23.7 19.1 28.7

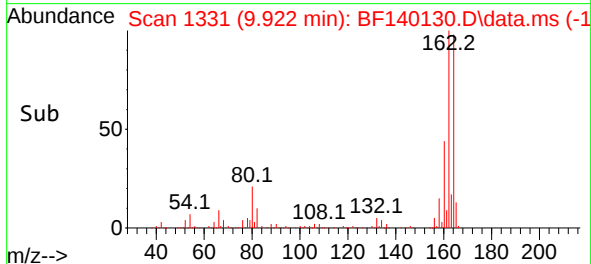
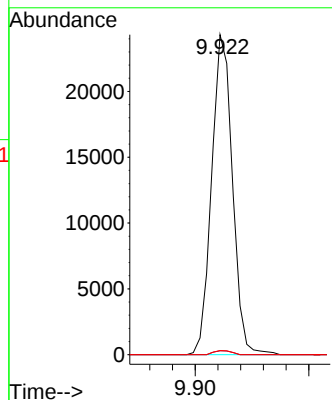
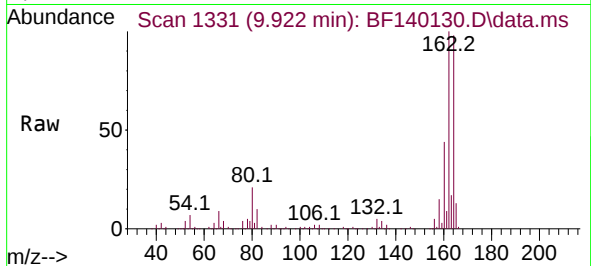




#51
2,6-Dinitrotoluene
Concen: 9.514 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140130.D
Acq: 29 Oct 2024 23:24

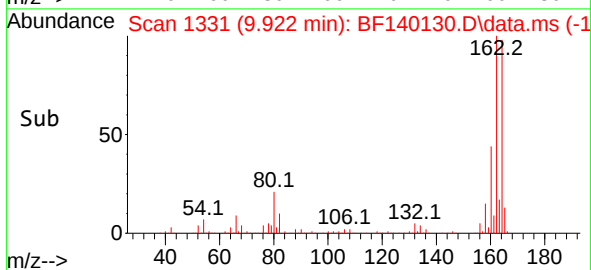
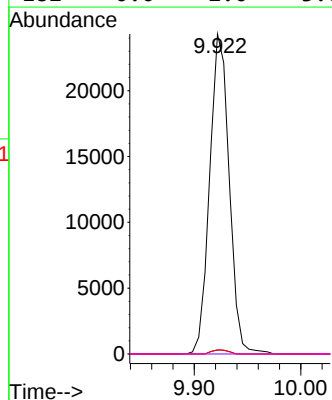
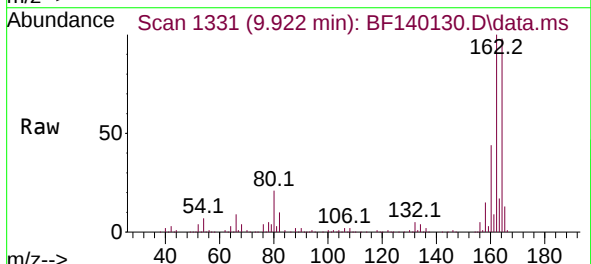
Instrument :
BNA_F
ClientSampleId :
BLUE-2-2

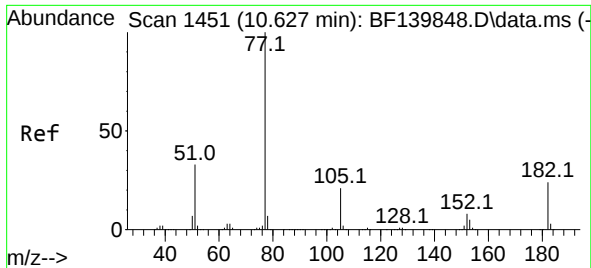
Tgt Ion:165 Resp: 30934
Ion Ratio Lower Upper
165 100
63 1.2 50.6 75.8#
89 1.3 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.736 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140130.D
Acq: 29 Oct 2024 23:24

Tgt Ion:165 Resp: 30934
Ion Ratio Lower Upper
165 100
63 1.2 40.1 60.1#
89 1.3 60.4 90.6#
182 0.0 2.0 3.0#

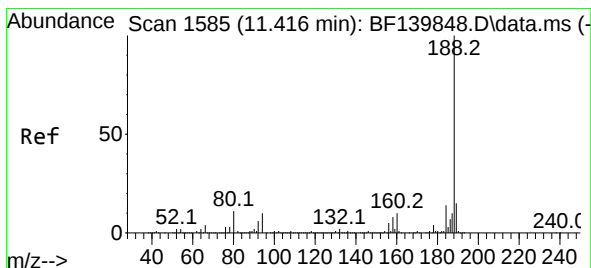
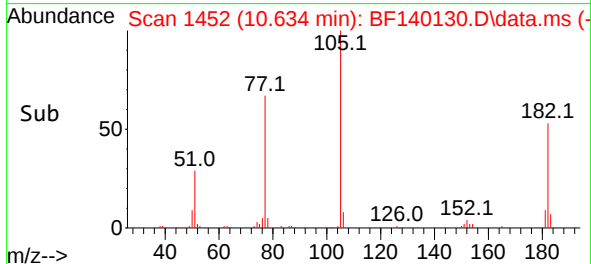
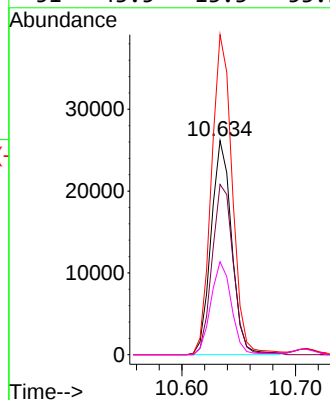
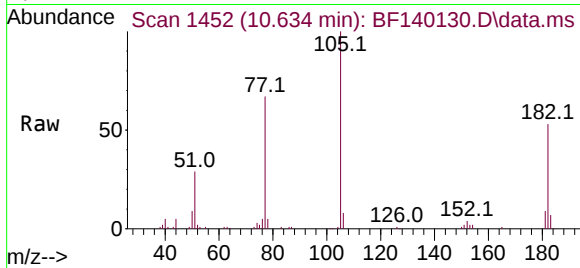




#63
Azobenzene
Concen: 2.117 ng
RT: 10.634 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF140130.D
Acq: 29 Oct 2024 23:24

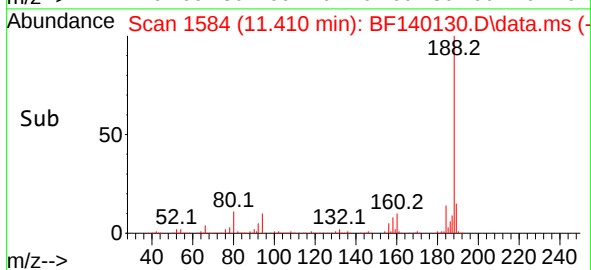
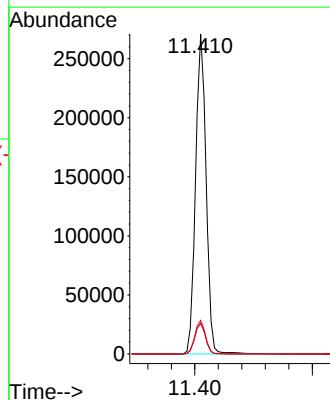
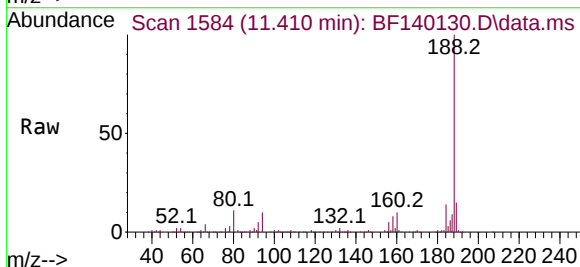
Instrument :
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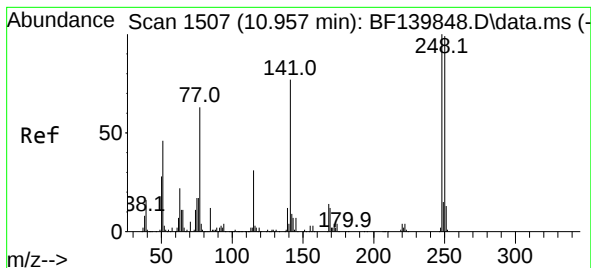
Tgt Ion: 77	Resp: 33089
Ion Ratio	Lower Upper
77 100	
182 79.5	3.3 43.3#
105 149.4	1.2 41.2#
51 43.5	13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF140130.D
Acq: 29 Oct 2024 23:24

Tgt Ion: 188	Resp: 337373
Ion Ratio	Lower Upper
188 100	
94 9.6	7.9 11.9
80 10.5	9.0 13.4

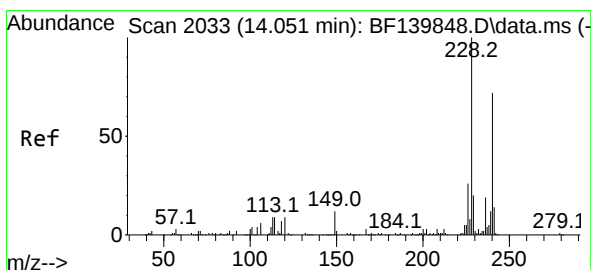
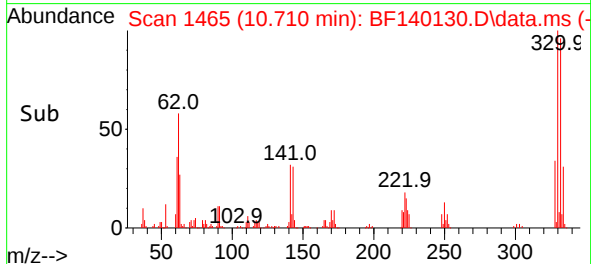
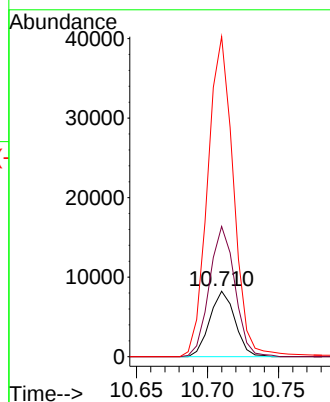
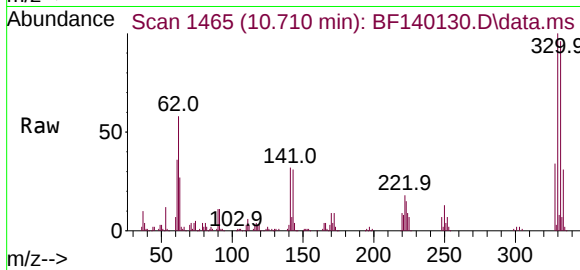




#67
4-Bromophenyl-phenylether
Concen: 2.935 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF140130.D
Acq: 29 Oct 2024 23:24

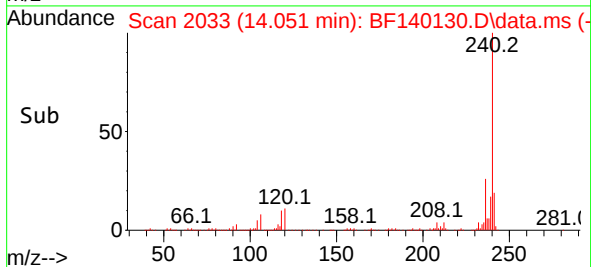
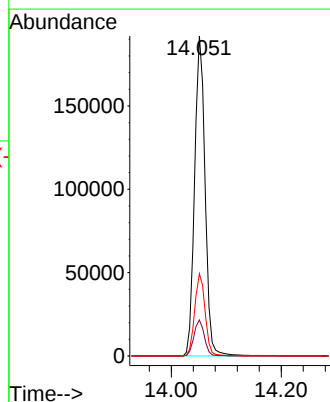
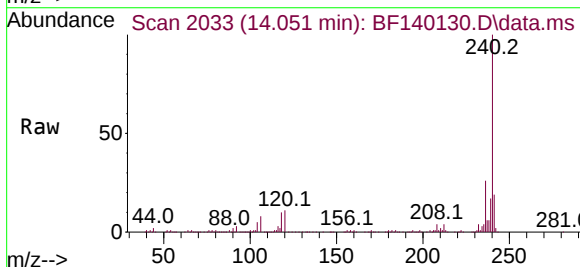
Instrument :
BNA_F
ClientSampleId :
BLUE-2-2

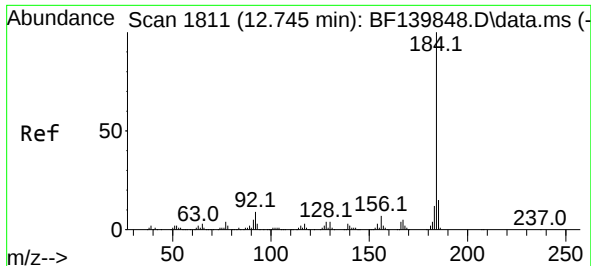
Tgt Ion:248 Resp: 10202
Ion Ratio Lower Upper
248 100
250 199.1 79.0 118.6#
141 489.0 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140130.D
Acq: 29 Oct 2024 23:24

Tgt Ion:240 Resp: 254150
Ion Ratio Lower Upper
240 100
120 11.2 9.4 14.2
236 25.7 20.9 31.3

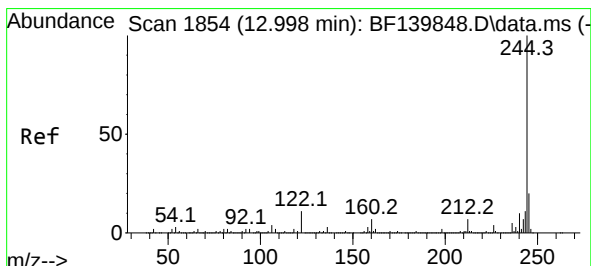
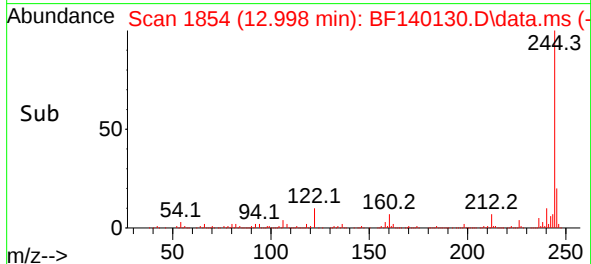
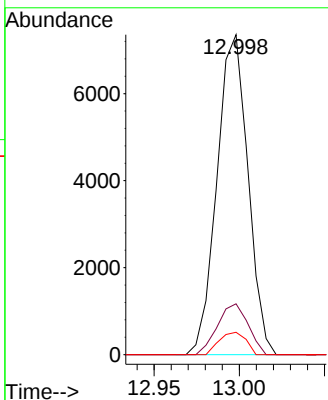
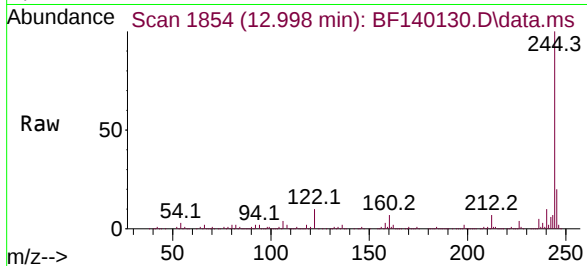




#77
Benzidine
Concen: 2.226 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.253 min
Lab File: BF140130.D
Acq: 29 Oct 2024 23:24

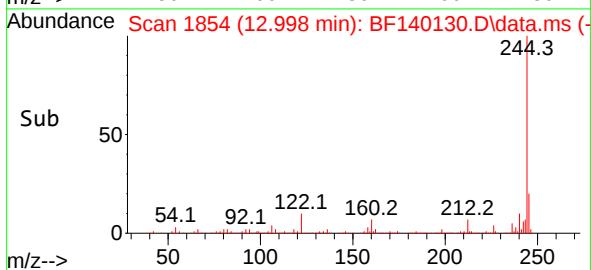
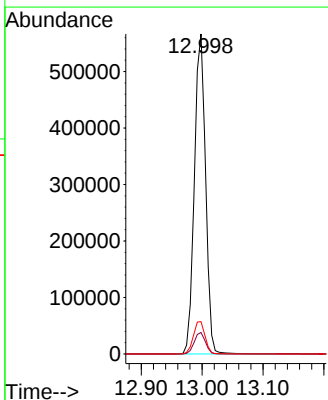
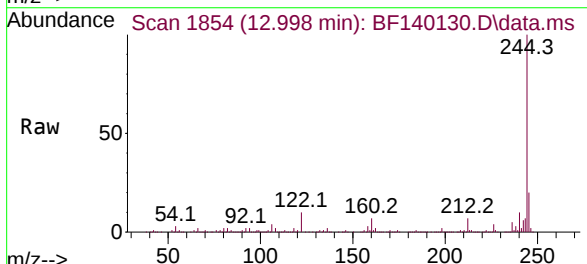
Instrument :
BNA_F
ClientSampleId :
BLUE-2-2

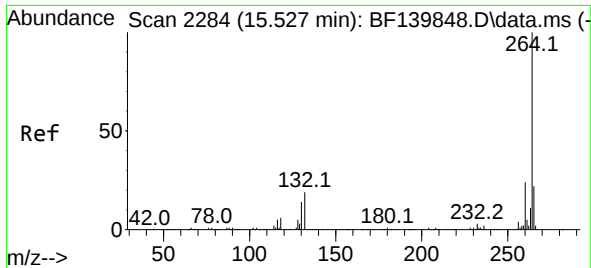
Tgt Ion:184 Resp: 9303
Ion Ratio Lower Upper
184 100
185 15.9 12.0 18.0
183 7.0 9.4 14.2#



#79
Terphenyl-d14
Concen: 46.241 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF140130.D
Acq: 29 Oct 2024 23:24

Tgt Ion:244 Resp: 721218
Ion Ratio Lower Upper
244 100
212 6.7 5.7 8.5
122 10.1 8.6 13.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF140130.D
Acq: 29 Oct 2024 23:24

Instrument :
BNA_F
ClientSampleId :
BLUE-2-2

Tgt Ion:264 Resp: 236900

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	20.9	17.4	26.0

