

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102924\
 Data File : BF140127.D
 Acq On : 29 Oct 2024 22:05
 Operator : RC/JU
 Sample : P4567-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Quant Time: Oct 30 01:05:15 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)

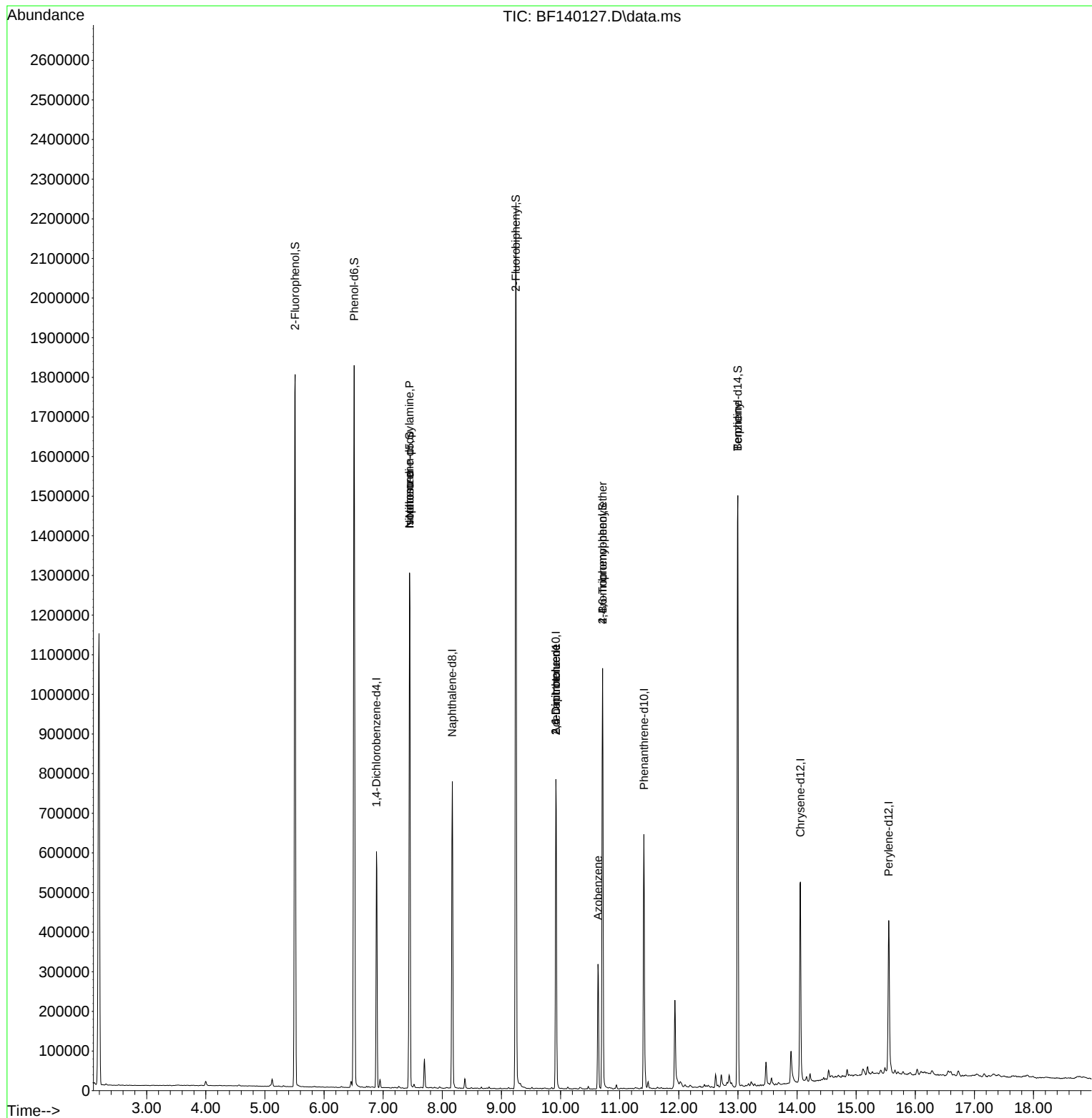
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	120971	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	459316	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	236245	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	335599	20.000	ng	0.00
76) Chrysene-d12	14.057	240	241022	20.000	ng	0.00
86) Perylene-d12	15.551	264	228949	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	670824	86.811	ng	0.01
7) Phenol-d6	6.510	99	863709	86.300	ng	0.00
23) Nitrobenzene-d5	7.445	82	581013	70.108	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	171248	77.496	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1015448	71.038	ng	0.00
79) Terphenyl-d14	12.998	244	756619	51.153	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	78884	12.996	ng	# 76
25) Isophorone	7.445	82	576907	36.677	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	29879	9.378	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	29879	7.626	ng	# 21
63) Azobenzene	10.633	77	80716	5.270	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	11147	3.224	ng	# 1
77) Benzidine	12.998	184	9524	2.403	ng	# 92

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

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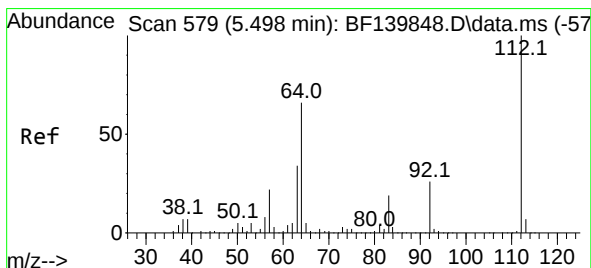
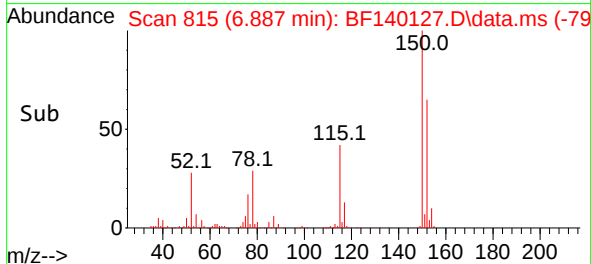
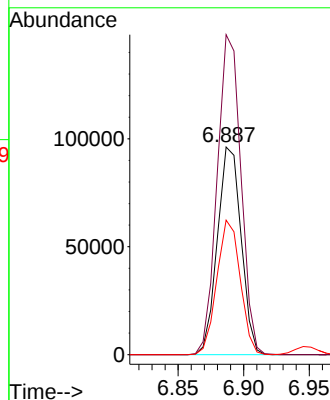
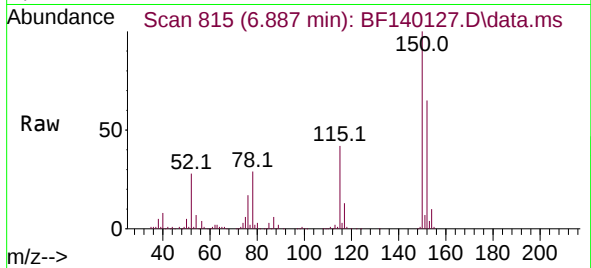




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140127.D
Acq: 29 Oct 2024 22:05

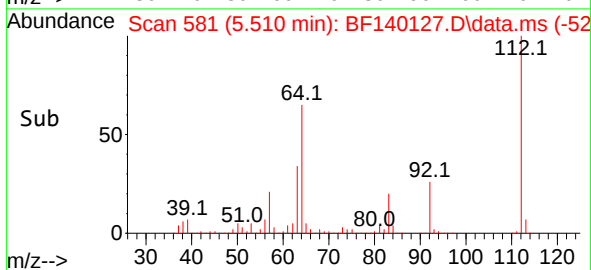
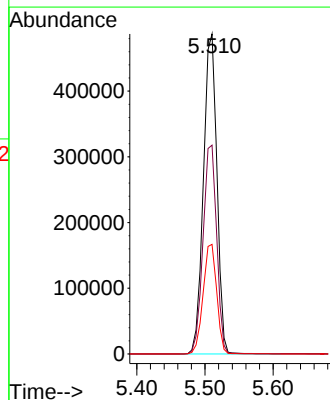
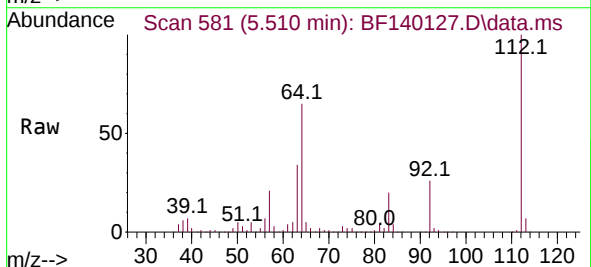
Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:152 Resp: 120971
Ion Ratio Lower Upper
152 100
150 154.1 130.2 195.2
115 64.8 51.4 77.2



#5
2-Fluorophenol
Concen: 86.811 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140127.D
Acq: 29 Oct 2024 22:05

Tgt Ion:112 Resp: 670824
Ion Ratio Lower Upper
112 100
64 65.3 53.0 79.6
63 34.2 27.0 40.4

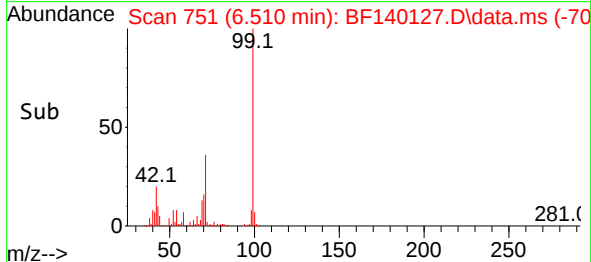
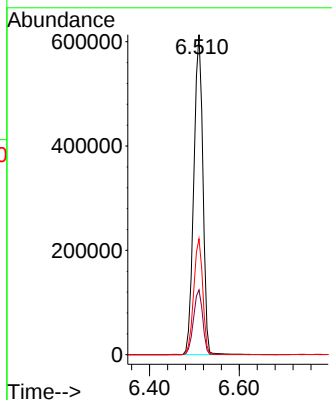
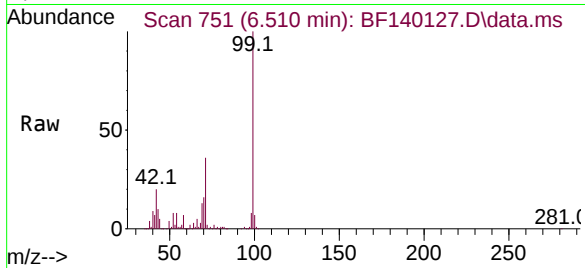




#7
Phenol-d6
Concen: 86.300 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140127.D
Acq: 29 Oct 2024 22:05

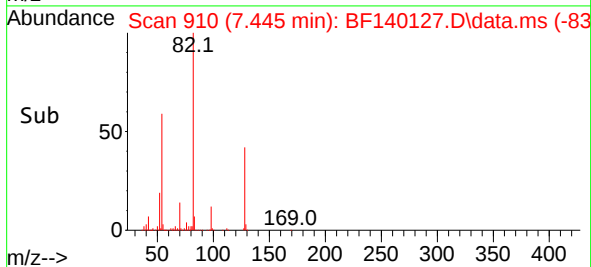
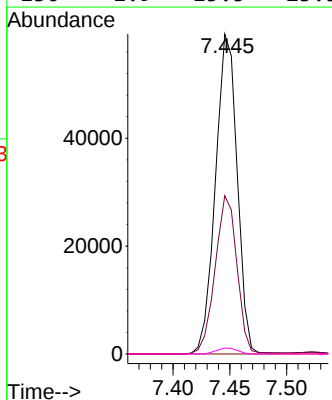
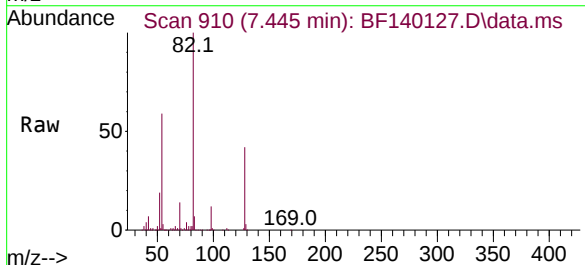
Instrument :
BNA_F
ClientSampleId :
WC-3

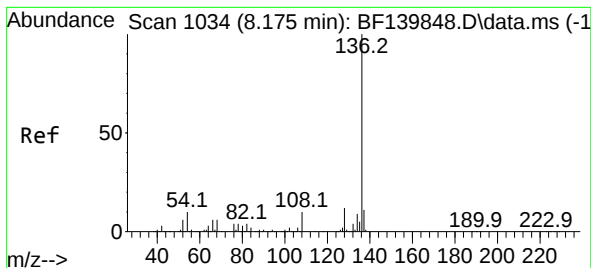
Tgt Ion: 99 Resp: 863709
Ion Ratio Lower Upper
99 100
42 20.2 16.7 25.1
71 36.2 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 12.996 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140127.D
Acq: 29 Oct 2024 22:05

Tgt Ion: 70 Resp: 78884
Ion Ratio Lower Upper
70 100
42 49.4 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# 1

Delta R.T. -0.006 min

Lab File: BF140127.D

Acq: 29 Oct 2024 22:05

Instrument :

BNA_F

ClientSampleId :

WC-3

Tgt Ion:136 Resp: 459316

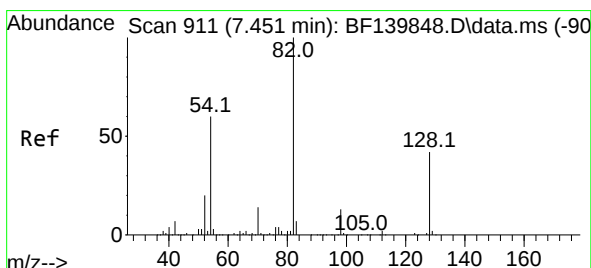
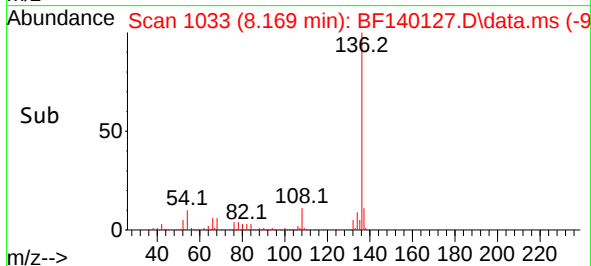
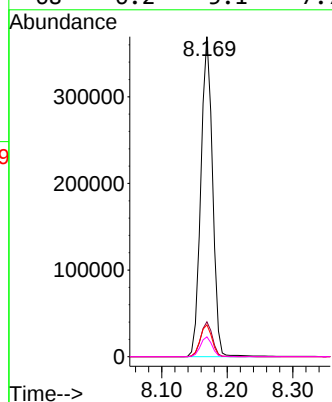
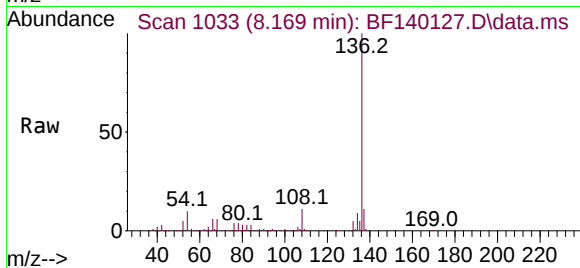
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 10.0 8.4 12.6

68 6.2 5.1 7.7



#23

Nitrobenzene-d5

Concen: 70.108 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF140127.D

Acq: 29 Oct 2024 22:05

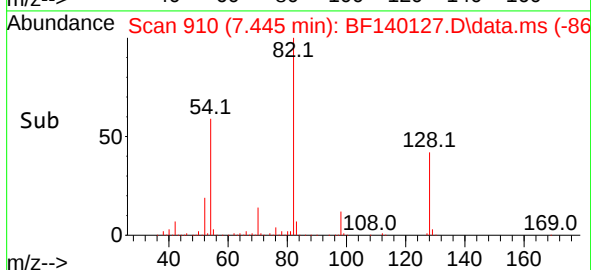
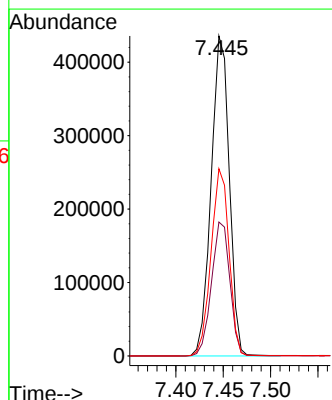
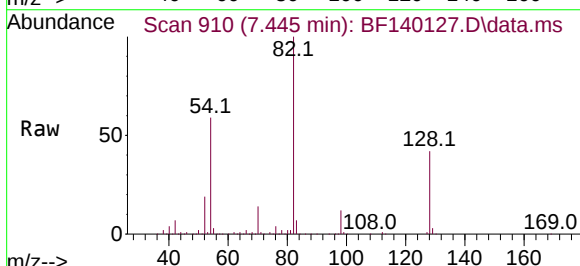
Tgt Ion: 82 Resp: 581013

Ion Ratio Lower Upper

82 100

128 41.9 33.4 50.0

54 58.5 47.8 71.8

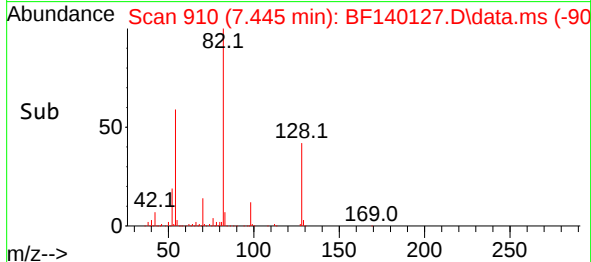
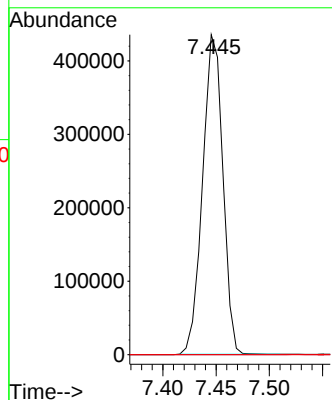
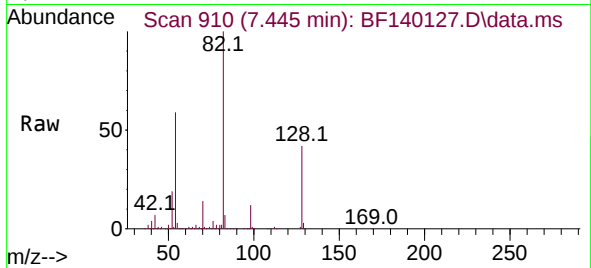




#25
Isophorone
Concen: 36.677 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF140127.D
Acq: 29 Oct 2024 22:05

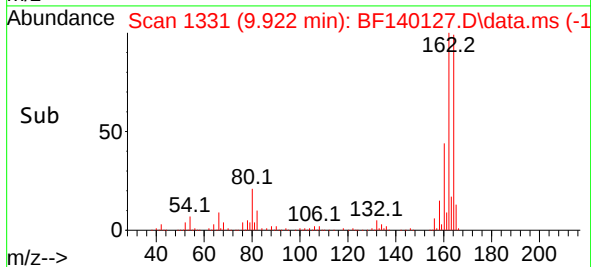
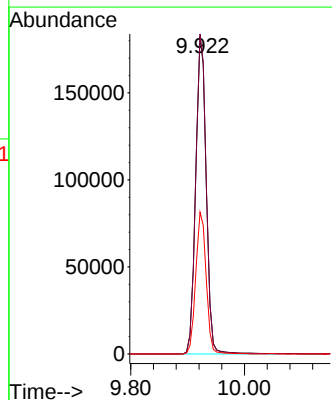
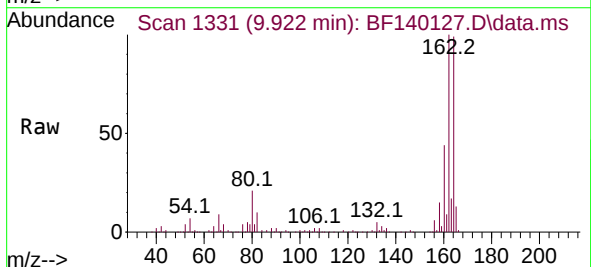
Instrument :
BNA_F
ClientSampleId :
WC-3

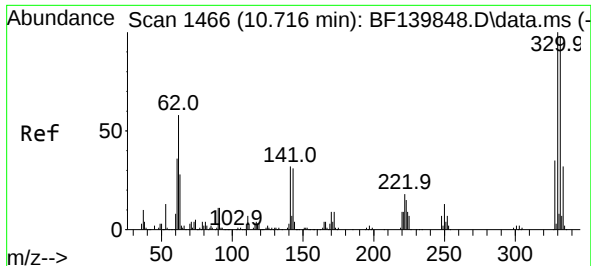
Tgt Ion: 82 Resp: 576907
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140127.D
Acq: 29 Oct 2024 22:05

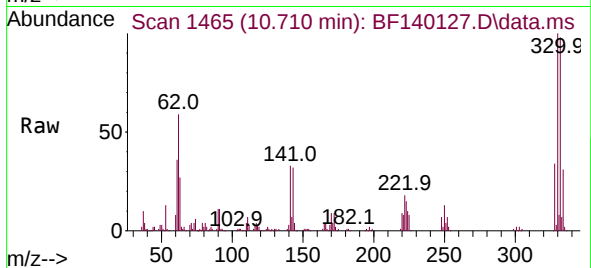
Tgt Ion: 164 Resp: 236245
Ion Ratio Lower Upper
164 100
162 100.8 81.0 121.4
160 44.7 35.4 53.0



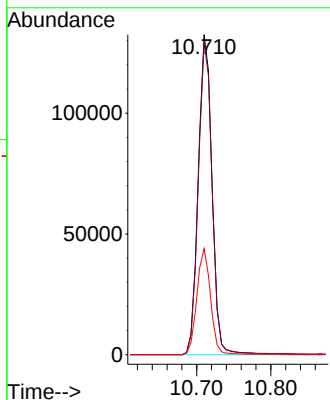
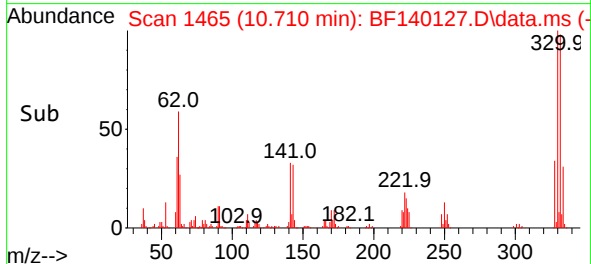


#42
2,4,6-Tribromophenol
Concen: 77.496 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF140127.D
Acq: 29 Oct 2024 22:05

Instrument :
BNA_F
ClientSampleId :
WC-3

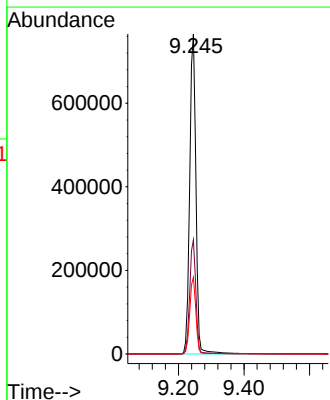
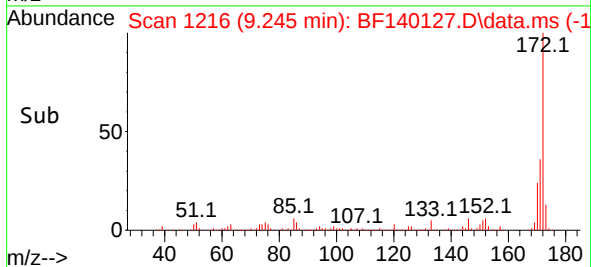
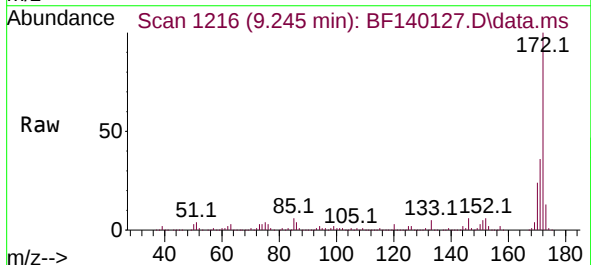


Tgt Ion:330 Resp: 171248
Ion Ratio Lower Upper
330 100
332 98.2 78.1 117.1
141 33.0 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 71.038 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140127.D
Acq: 29 Oct 2024 22:05

Tgt Ion:172 Resp: 1015448
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.9 19.1 28.7

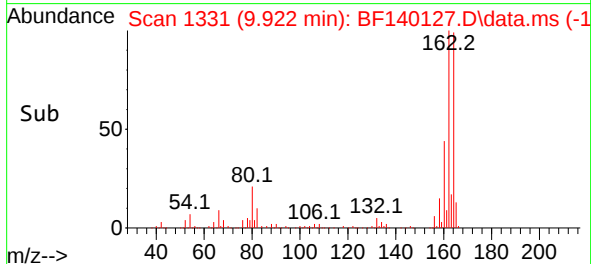
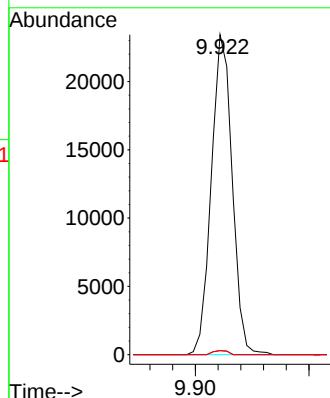
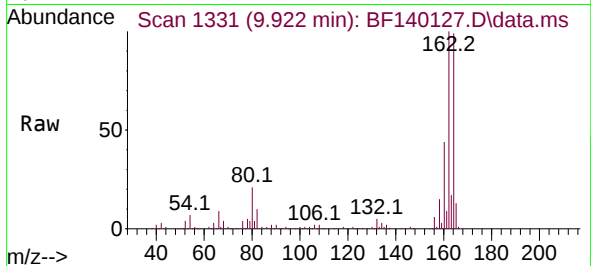




#51
2,6-Dinitrotoluene
Concen: 9.378 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140127.D
Acq: 29 Oct 2024 22:05

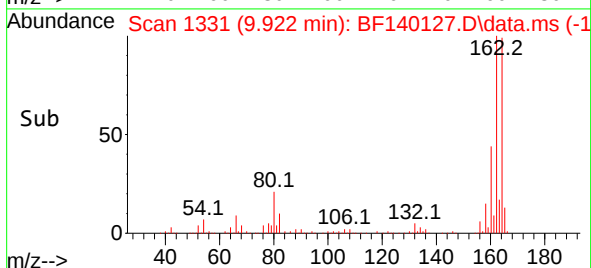
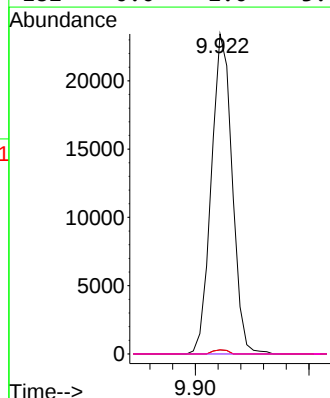
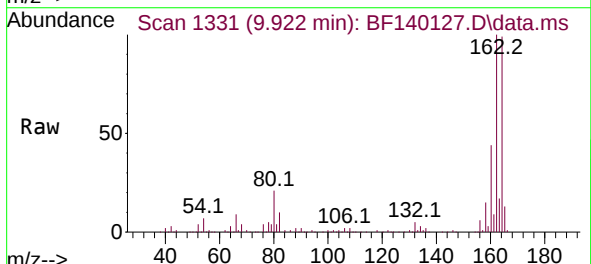
Instrument :
BNA_F
ClientSampleId :
WC-3

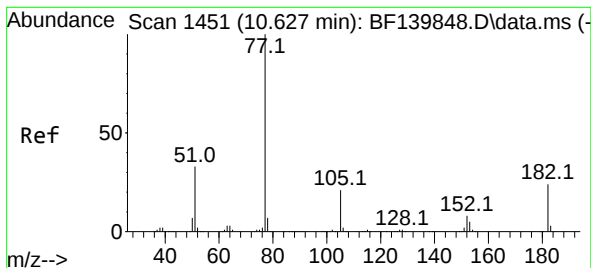
Tgt Ion:165 Resp: 29879
Ion Ratio Lower Upper
165 100
63 1.3 50.6 75.8#
89 1.3 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.626 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140127.D
Acq: 29 Oct 2024 22:05

Tgt Ion:165 Resp: 29879
Ion Ratio Lower Upper
165 100
63 1.3 40.1 60.1#
89 1.3 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 5.270 ng

RT: 10.633 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF140127.D

Acq: 29 Oct 2024 22:05

Instrument :

BNA_F

ClientSampleId :

WC-3

Tgt Ion: 77 Resp: 80716

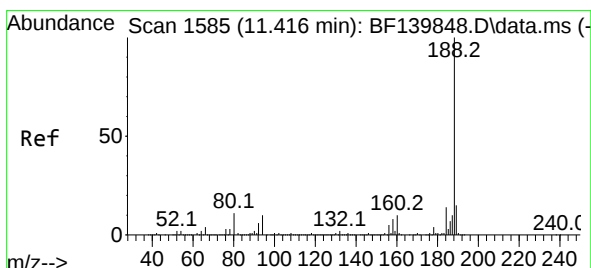
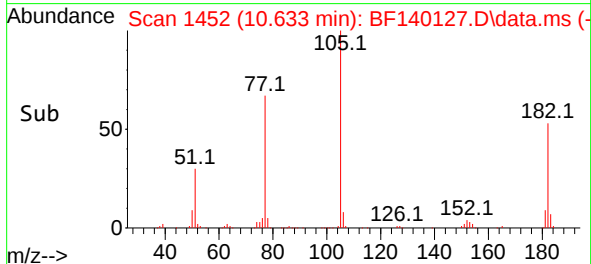
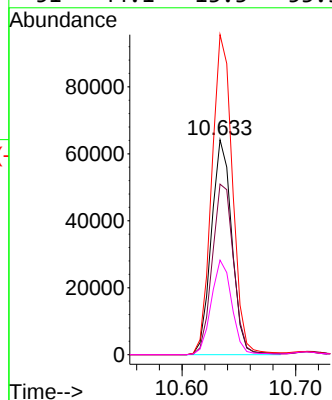
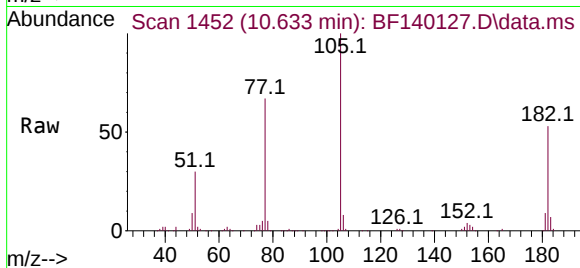
Ion Ratio Lower Upper

77 100

182 79.4 3.3 43.3#

105 149.0 1.2 41.2#

51 44.1 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: BF140127.D

Acq: 29 Oct 2024 22:05

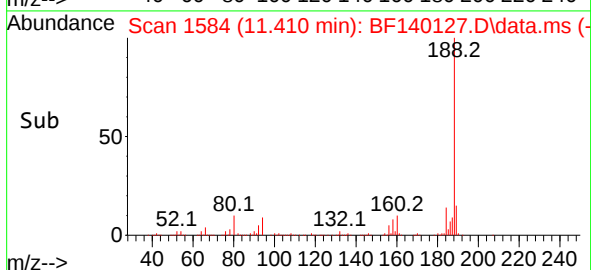
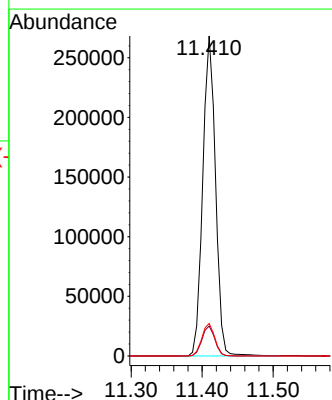
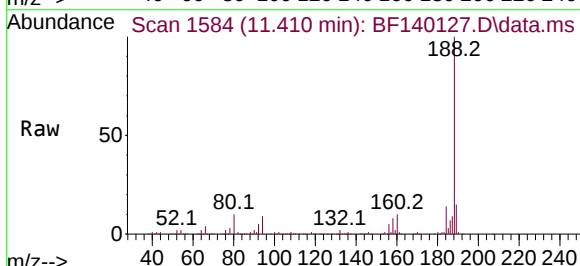
Tgt Ion: 188 Resp: 335599

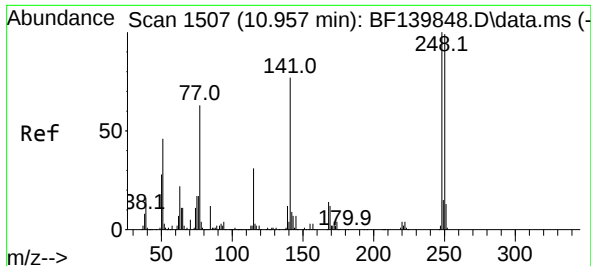
Ion Ratio Lower Upper

188 100

94 9.3 7.9 11.9

80 10.1 9.0 13.4

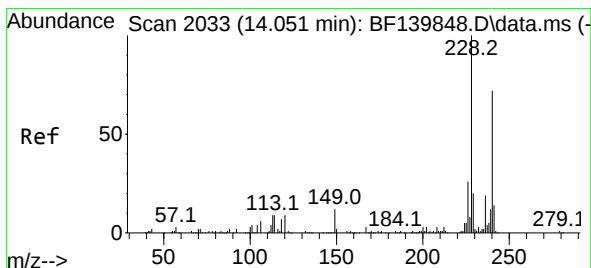
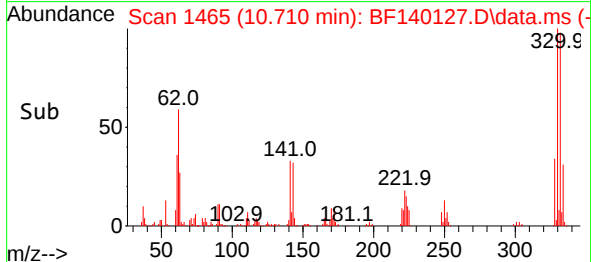
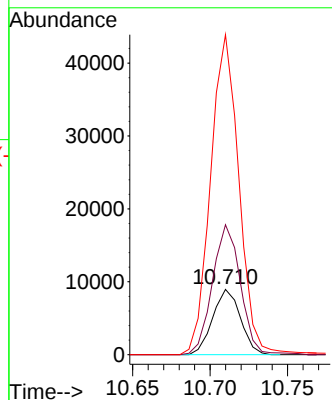
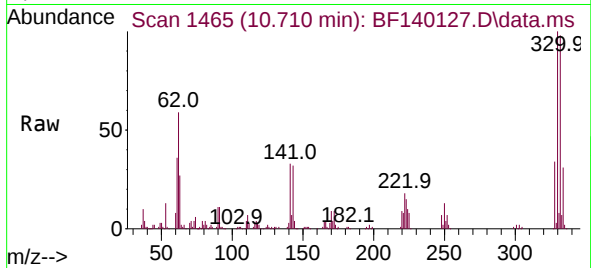




#67
4-Bromophenyl-phenylether
Concen: 3.224 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF140127.D
Acq: 29 Oct 2024 22:05

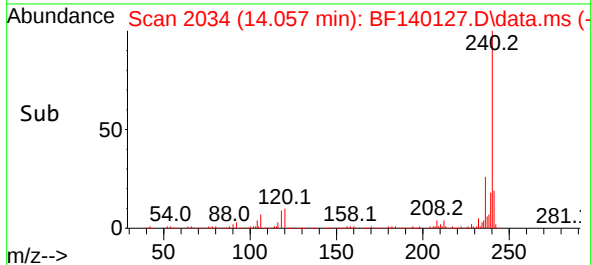
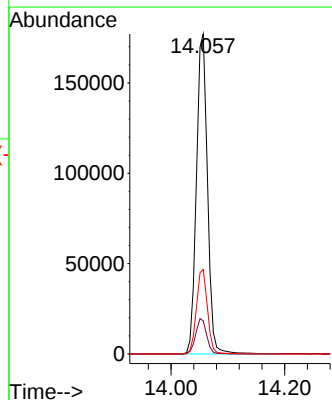
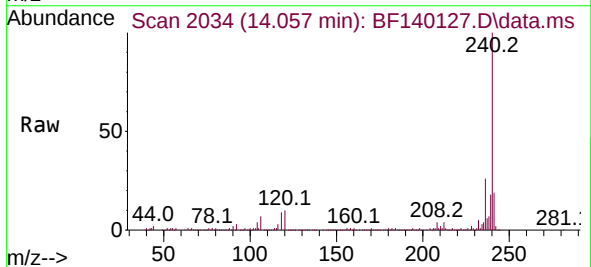
Instrument :
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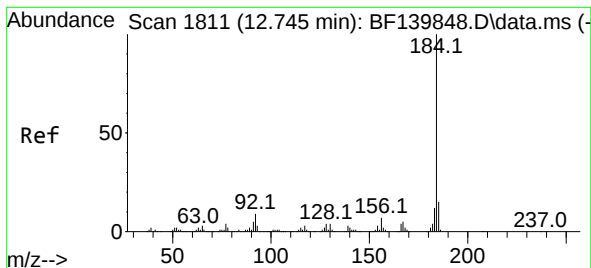
Tgt Ion:248 Resp: 11147
Ion Ratio Lower Upper
248 100
250 198.8 79.0 118.6#
141 489.7 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140127.D
Acq: 29 Oct 2024 22:05

Tgt Ion:240 Resp: 241022
Ion Ratio Lower Upper
240 100
120 10.3 9.4 14.2
236 26.4 20.9 31.3





#77

Benzidine

Concen: 2.403 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.253 min

Lab File: BF140127.D

Acq: 29 Oct 2024 22:05

Instrument :

BNA_F

ClientSampleId :

WC-3

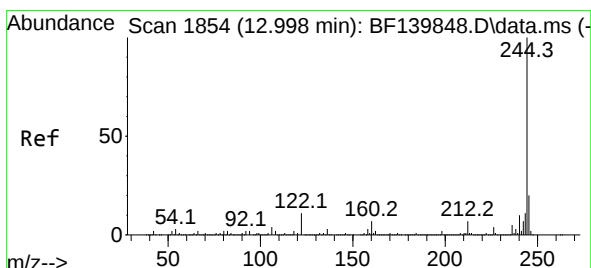
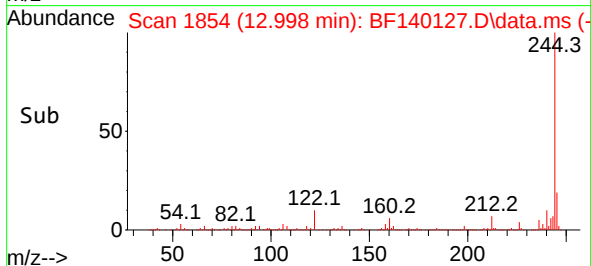
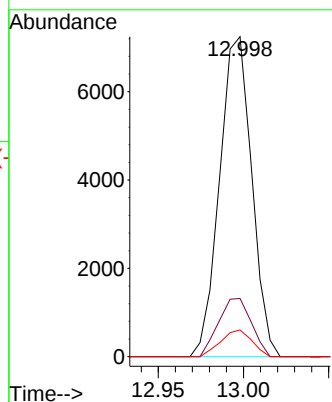
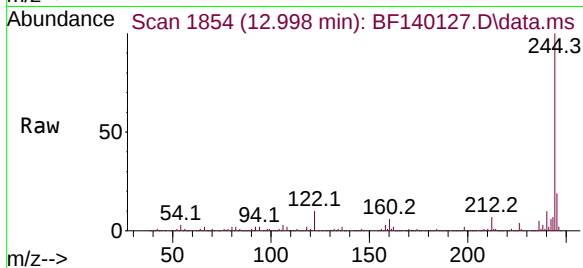
Tgt Ion:184 Resp: 9524

Ion Ratio Lower Upper

184 100

185 18.2 12.0 18.0#

183 8.3 9.4 14.2#



#79

Terphenyl-d14

Concen: 51.153 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF140127.D

Acq: 29 Oct 2024 22:05

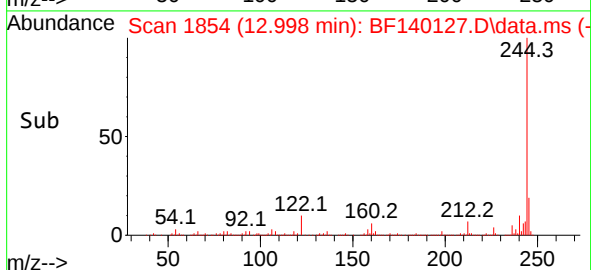
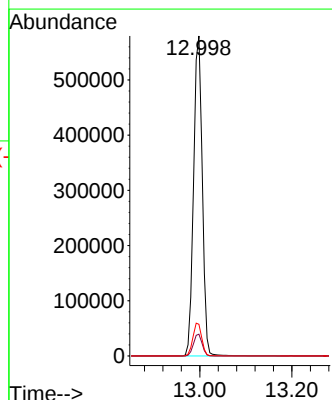
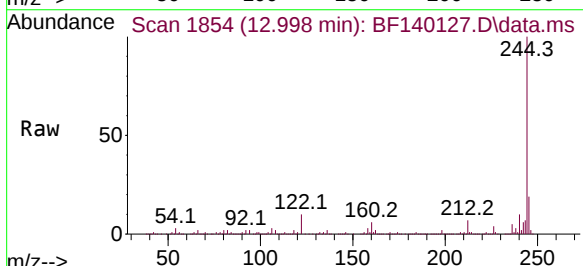
Tgt Ion:244 Resp: 756619

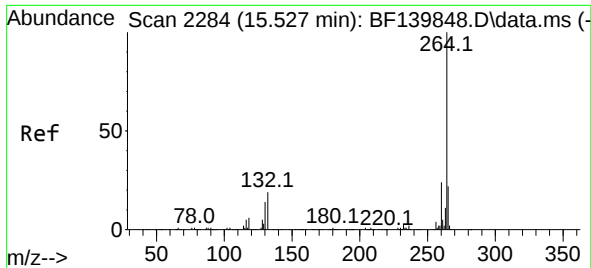
Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 9.9 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: BF140127.D
 Acq: 29 Oct 2024 22:05

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Tgt Ion:264 Resp: 228949
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.2
 265 21.5 17.4 26.0

