

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102824\
 Data File : BF140089.D
 Acq On : 28 Oct 2024 16:11
 Operator : RC/JU
 Sample : P4574-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-1

Quant Time: Oct 28 16:33:30 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)

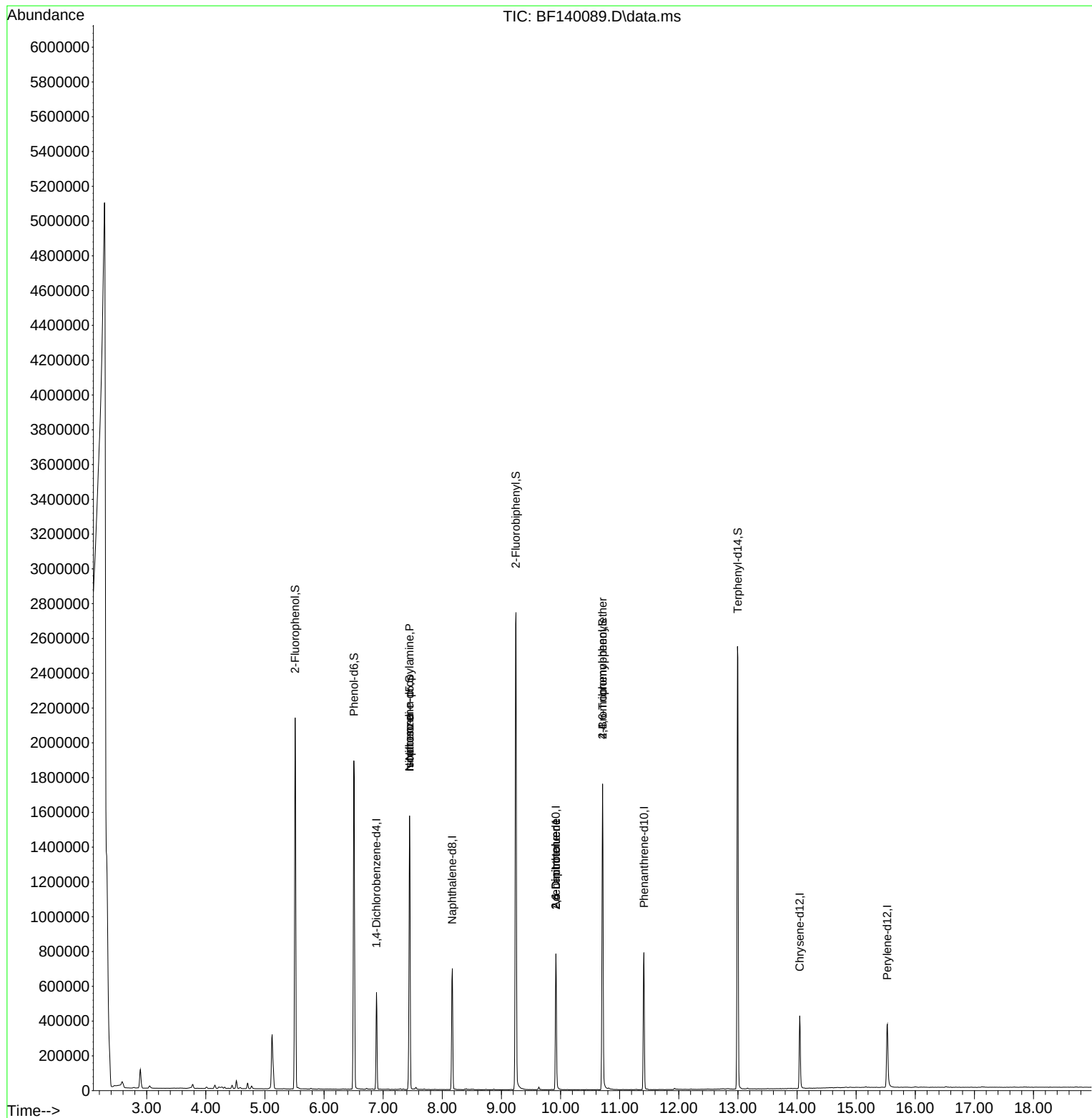
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	112228	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	429354	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	239508	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	421419	20.000	ng	0.00
76) Chrysene-d12	14.045	240	205778	20.000	ng	0.00
86) Perylene-d12	15.527	264	249633	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	790575	110.279	ng	0.01
7) Phenol-d6	6.504	99	917966	98.867	ng	0.00
23) Nitrobenzene-d5	7.445	82	724213	93.486	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	316138	141.115	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1324620	91.404	ng	0.00
79) Terphenyl-d14	12.998	244	1330752	105.377	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	96515	17.139	ng	# 77
25) Isophorone	7.445	82	719364	48.925	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	30897	9.565	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	31010	7.807	ng	# 21
67) 4-Bromophenyl-phenylether	10.710	248	20140	4.639	ng	# 1

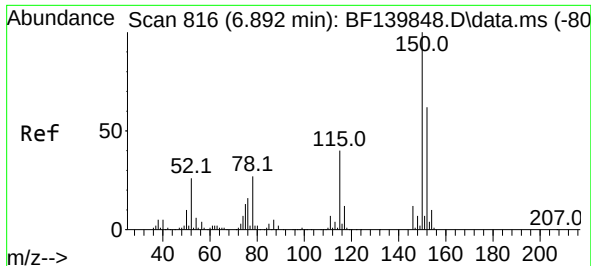
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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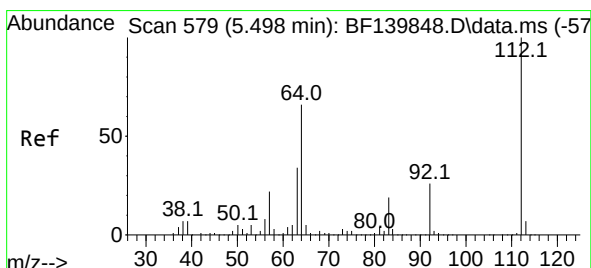
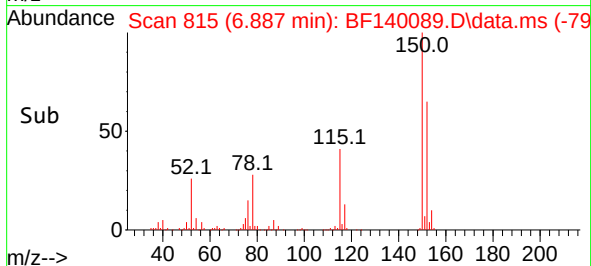
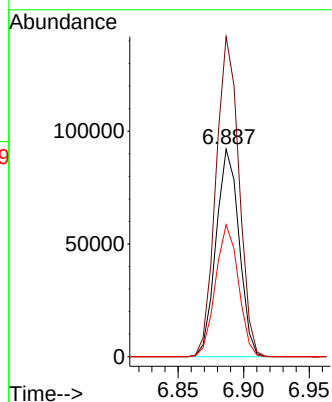
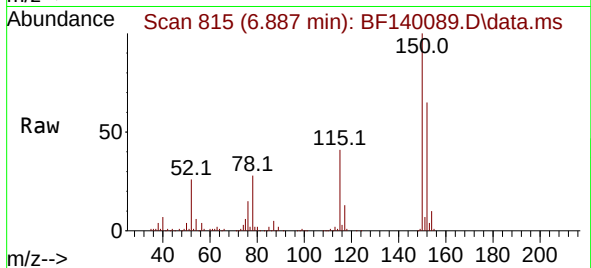




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140089.D
Acq: 28 Oct 2024 16:11

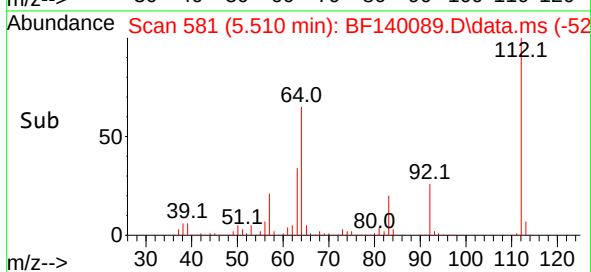
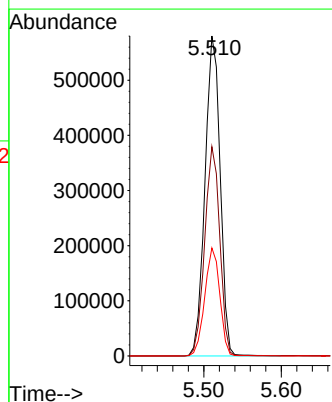
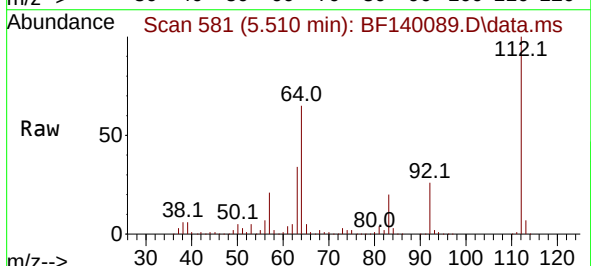
Instrument :
BNA_F
ClientSampleId :
GRAVEL-1

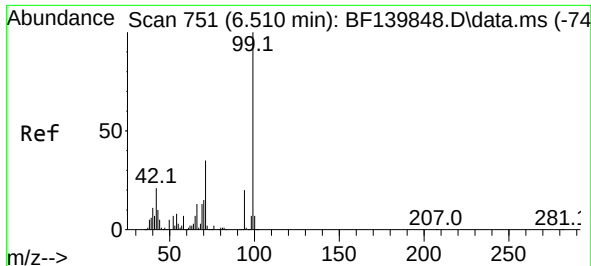
Tgt Ion:152 Resp: 112228
Ion Ratio Lower Upper
152 100
150 154.3 130.2 195.2
115 63.6 51.4 77.2



#5
2-Fluorophenol
Concen: 110.279 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140089.D
Acq: 28 Oct 2024 16:11

Tgt Ion:112 Resp: 790575
Ion Ratio Lower Upper
112 100
64 65.4 53.0 79.6
63 33.8 27.0 40.4

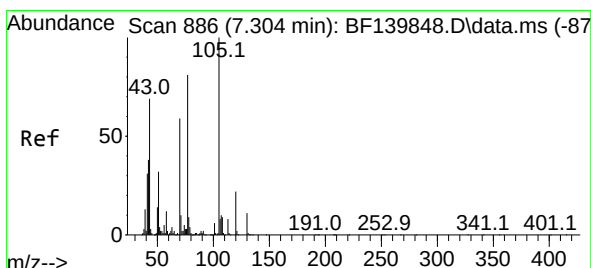
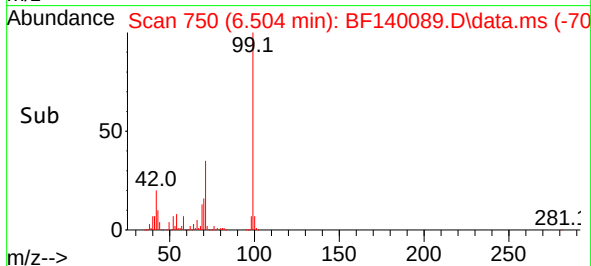
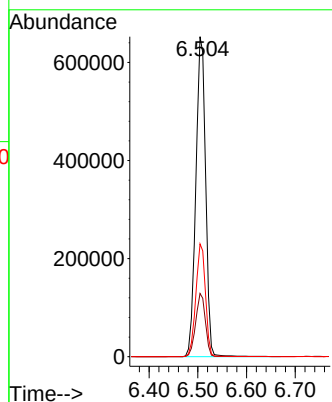
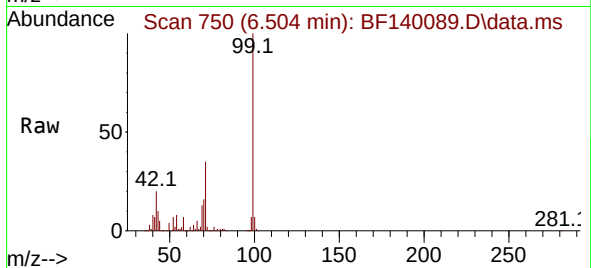




#7
Phenol-d6
Concen: 98.867 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140089.D
Acq: 28 Oct 2024 16:11

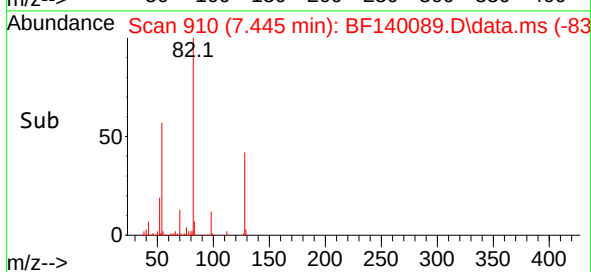
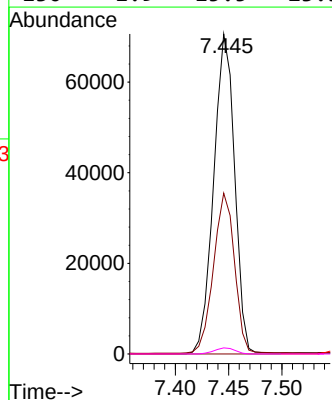
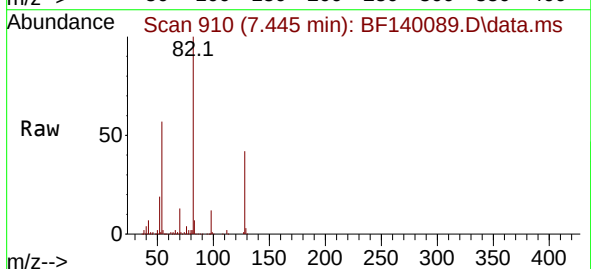
Instrument :
BNA_F
ClientSampleId :
GRAVEL-1

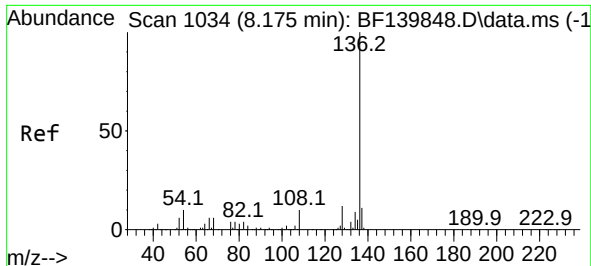
Tgt Ion: 99 Resp: 917966
Ion Ratio Lower Upper
99 100
42 19.7 16.7 25.1
71 35.2 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 17.139 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140089.D
Acq: 28 Oct 2024 16:11

Tgt Ion: 70 Resp: 96515
Ion Ratio Lower Upper
70 100
42 50.2 51.5 77.3#
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#



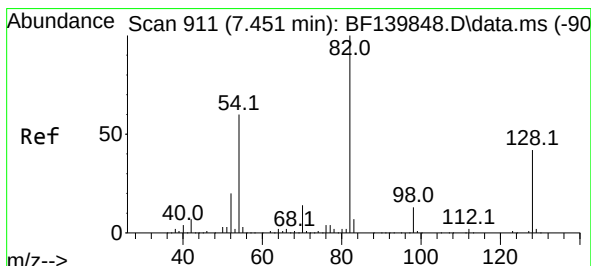
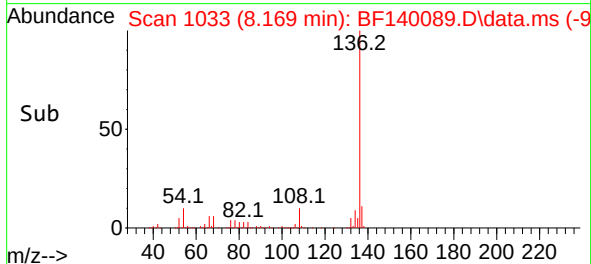
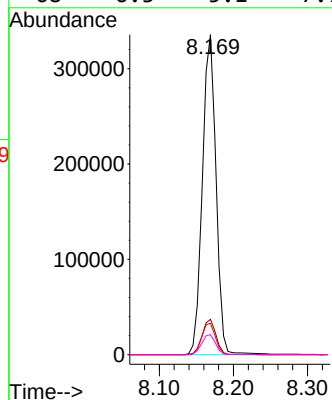
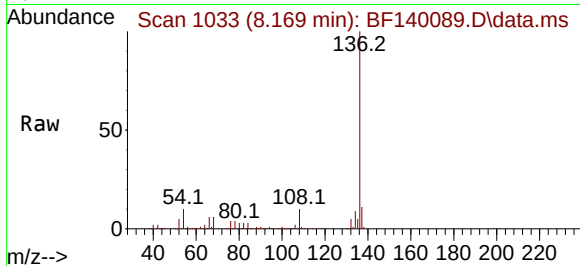


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF140089.D
Acq: 28 Oct 2024 16:11

Instrument :
BNA_F
ClientSampleId :
GRAVEL-1

Tgt Ion:136 Resp: 429354

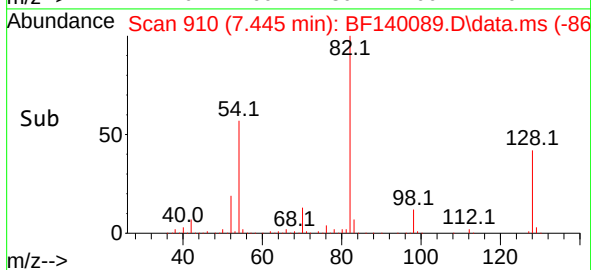
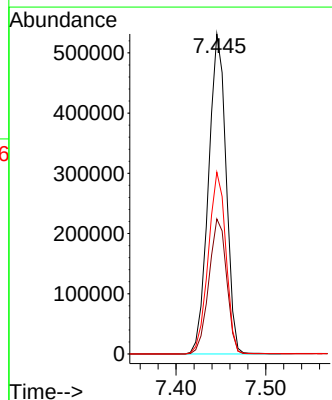
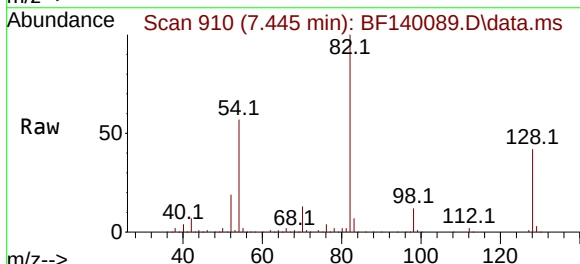
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	9.8	8.4	12.6
68	6.3	5.1	7.7

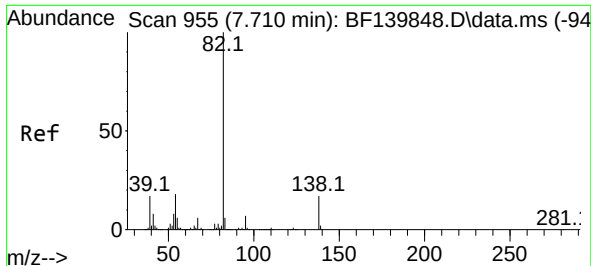


#23
Nitrobenzene-d5
Concen: 93.486 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140089.D
Acq: 28 Oct 2024 16:11

Tgt Ion: 82 Resp: 724213

Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.4	50.0
54	56.8	47.8	71.8

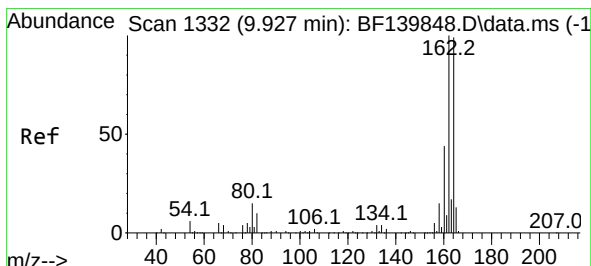
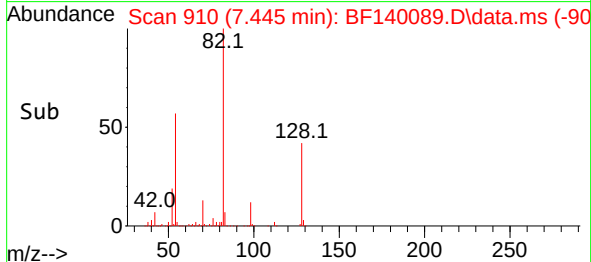
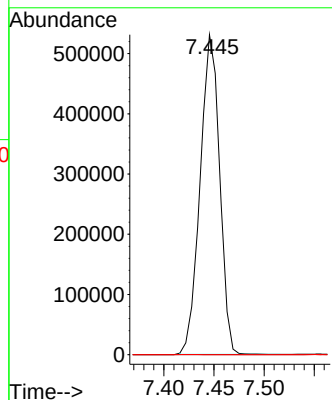
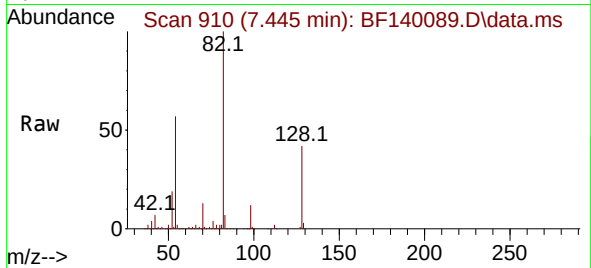




#25
Isophorone
Concen: 48.925 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF140089.D
Acq: 28 Oct 2024 16:11

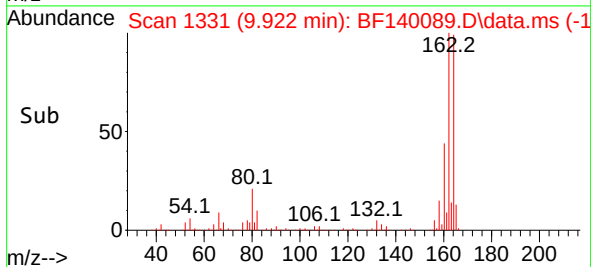
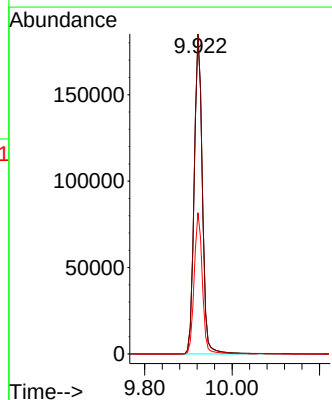
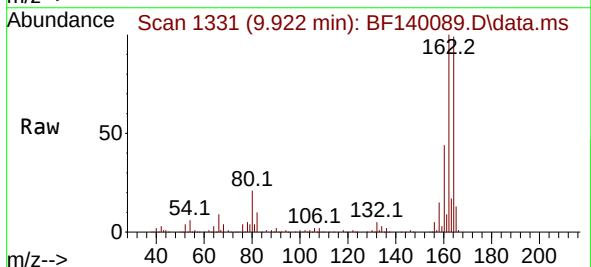
Instrument :
BNA_F
ClientSampleId :
GRAVEL-1

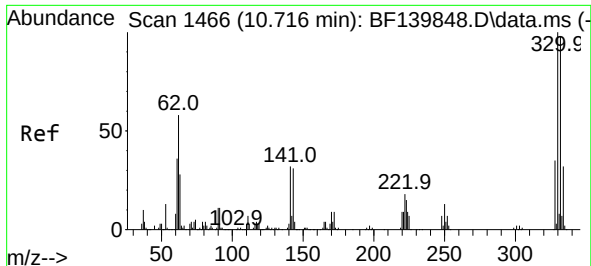
Tgt Ion: 82 Resp: 719364
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140089.D
Acq: 28 Oct 2024 16:11

Tgt Ion:164 Resp: 239508
Ion Ratio Lower Upper
164 100
162 100.6 81.0 121.4
160 44.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 141.115 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF140089.D

Acq: 28 Oct 2024 16:11

Instrument :

BNA_F

ClientSampleId :

GRAVEL-1

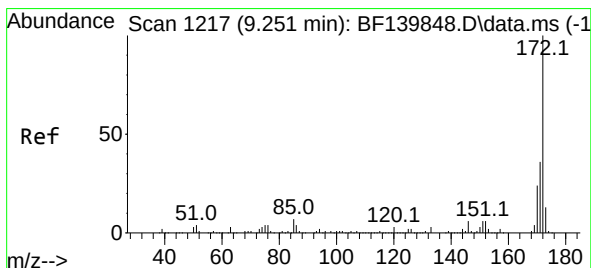
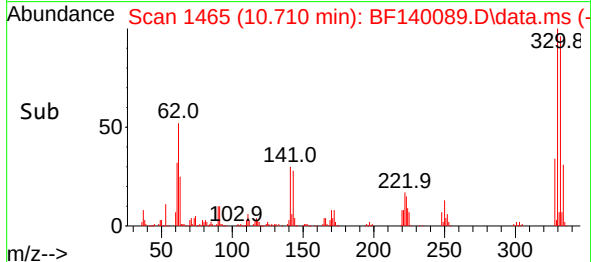
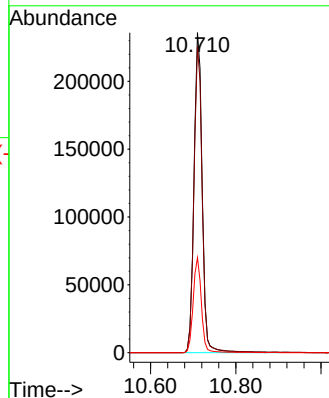
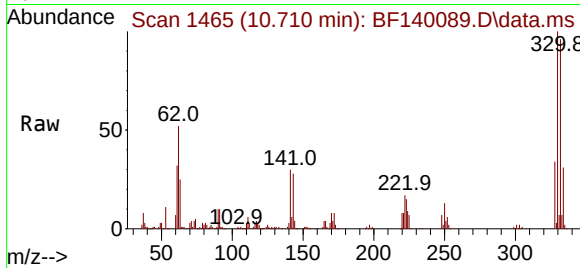
Tgt Ion:330 Resp: 316138

Ion Ratio Lower Upper

330 100

332 95.9 78.1 117.1

141 29.8 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 91.404 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140089.D

Acq: 28 Oct 2024 16:11

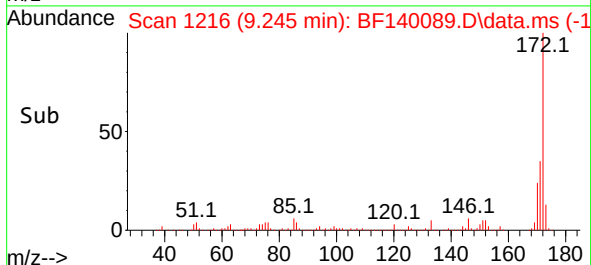
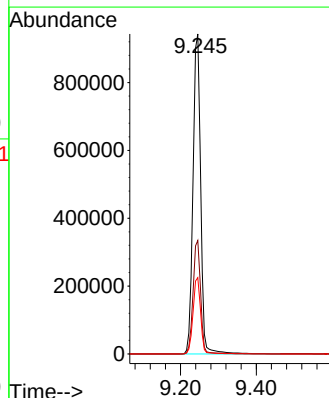
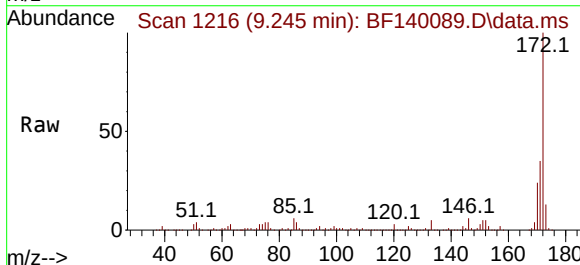
Tgt Ion:172 Resp: 1324620

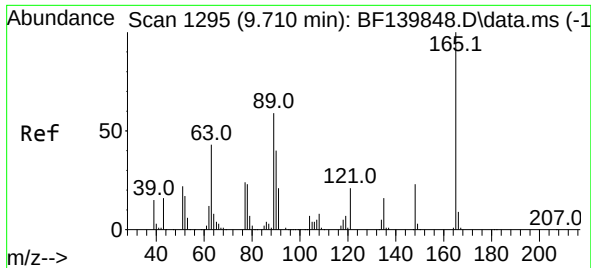
Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

170 23.9 19.1 28.7

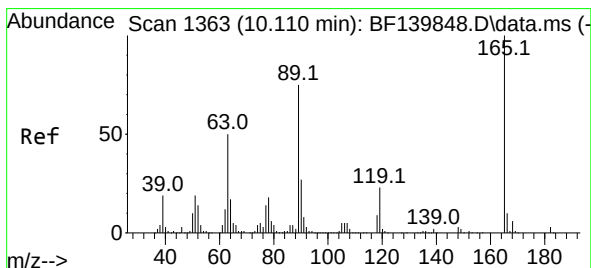
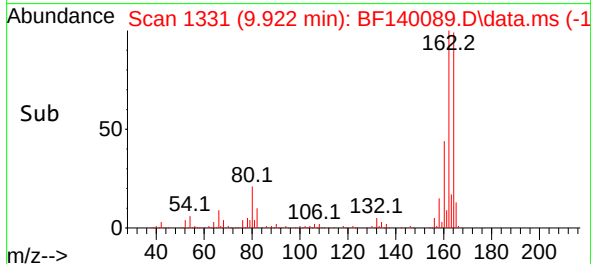
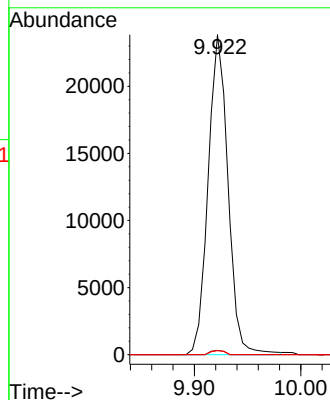
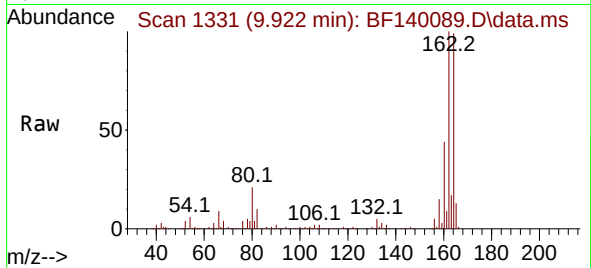




#51
2,6-Dinitrotoluene
Concen: 9.565 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140089.D
Acq: 28 Oct 2024 16:11

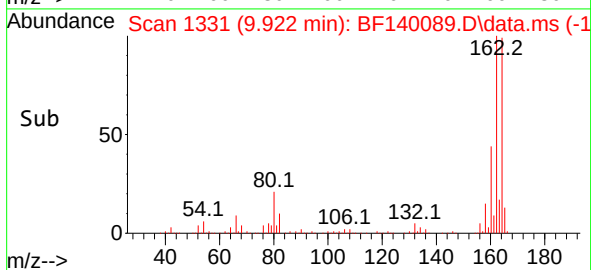
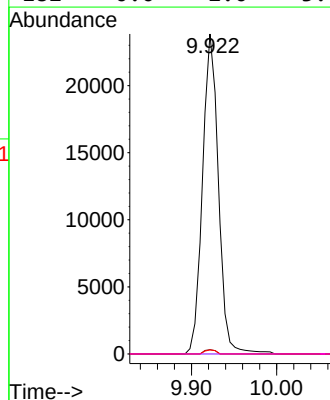
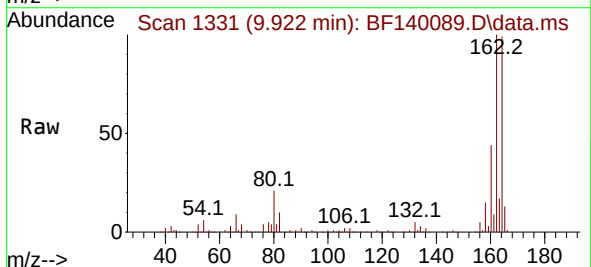
Instrument :
BNA_F
ClientSampleId :
GRAVEL-1

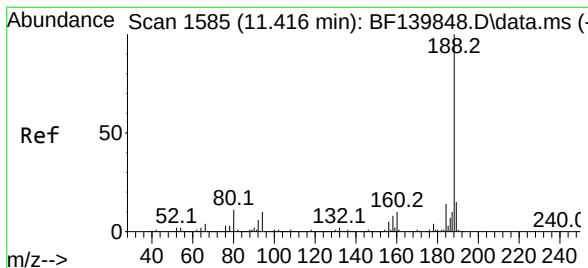
Tgt Ion:165 Resp: 30897
Ion Ratio Lower Upper
165 100
63 1.4 50.6 75.8#
89 1.2 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.807 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140089.D
Acq: 28 Oct 2024 16:11

Tgt Ion:165 Resp: 31010
Ion Ratio Lower Upper
165 100
63 1.4 40.1 60.1#
89 1.2 60.4 90.6#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140089.D

Acq: 28 Oct 2024 16:11

Instrument :

BNA_F

ClientSampleId :

GRAVEL-1

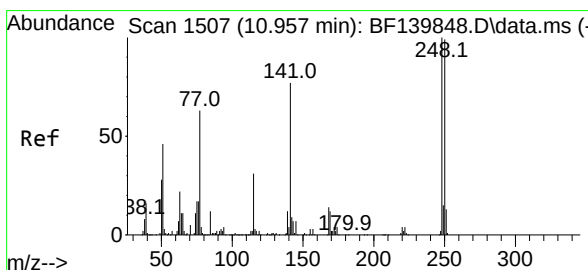
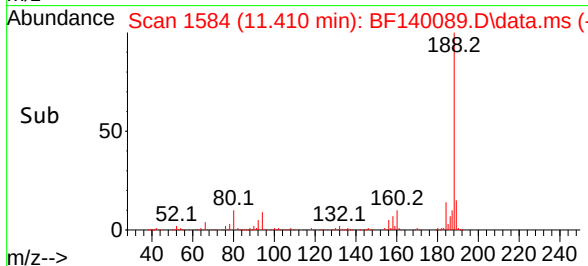
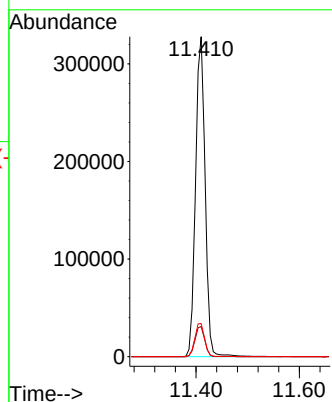
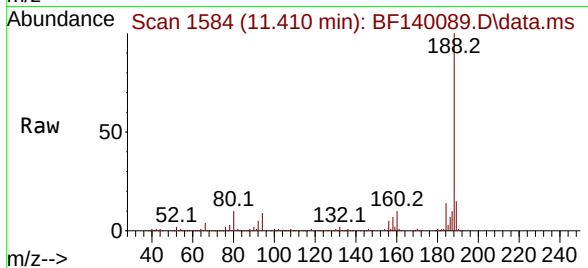
Tgt Ion:188 Resp: 421419

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

80 10.3 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 4.639 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.247 min

Lab File: BF140089.D

Acq: 28 Oct 2024 16:11

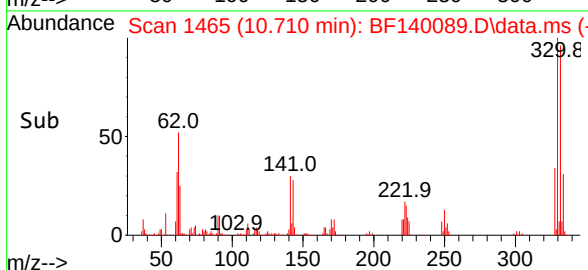
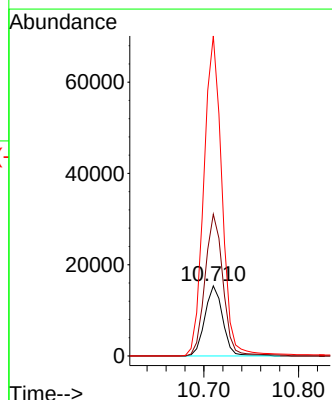
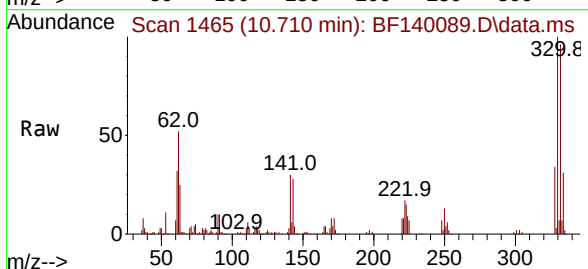
Tgt Ion:248 Resp: 20140

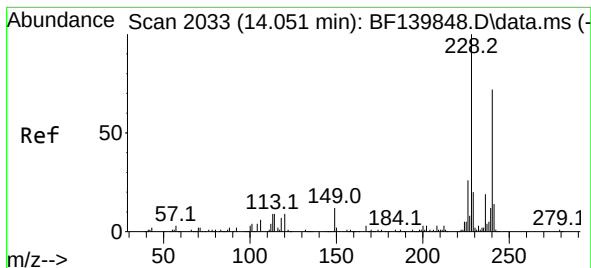
Ion Ratio Lower Upper

248 100

250 202.5 79.0 118.6#

141 456.9 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140089.D

Acq: 28 Oct 2024 16:11

Instrument :

BNA_F

ClientSampleId :

GRAVEL-1

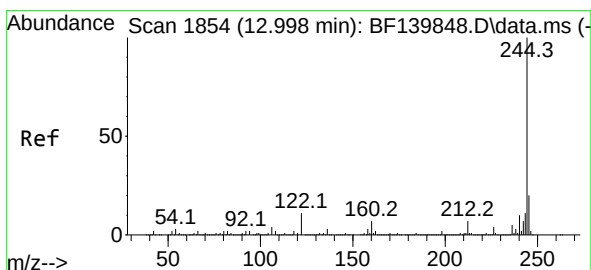
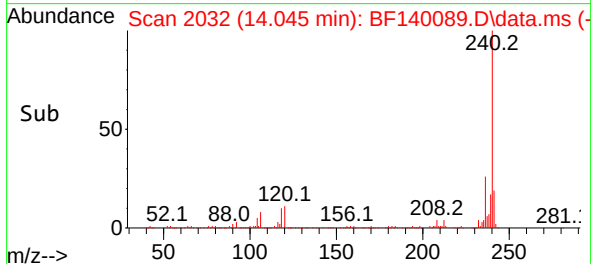
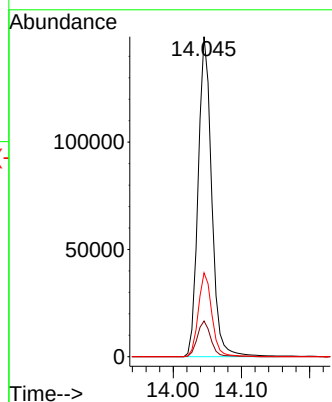
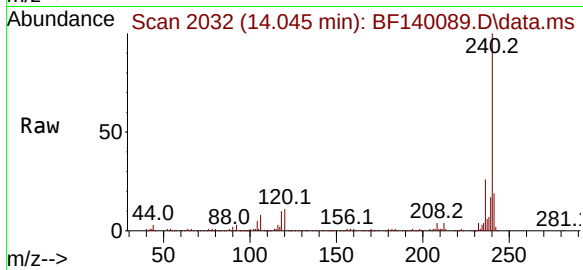
Tgt Ion:240 Resp: 205778

Ion Ratio Lower Upper

240 100

120 11.2 9.4 14.2

236 26.2 20.9 31.3



#79

Terphenyl-d14

Concen: 105.377 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF140089.D

Acq: 28 Oct 2024 16:11

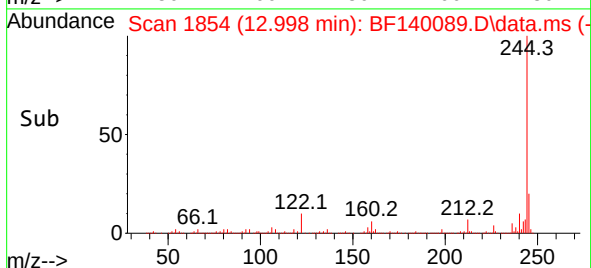
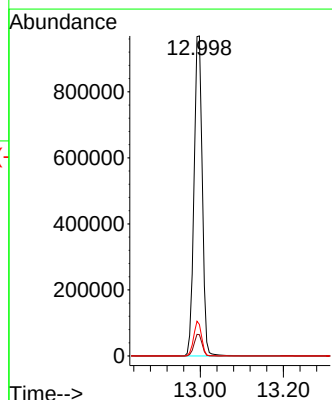
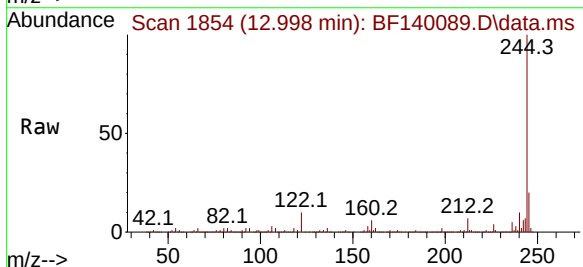
Tgt Ion:244 Resp: 1330752

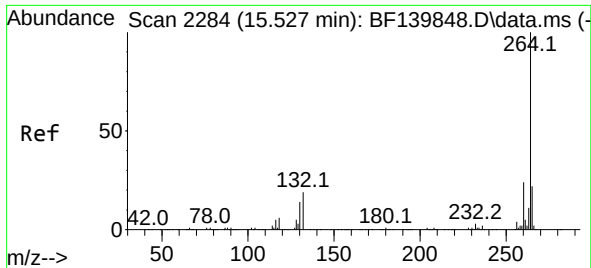
Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 9.9 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF140089.D
 Acq: 28 Oct 2024 16:11

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-1

Tgt Ion:264 Resp: 249633
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.4 29.2
 265 20.7 17.4 26.0

