

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050324\
 Data File : BF137835.D
 Acq On : 03 May 2024 18:19
 Operator : CG\JU
 Sample : P2337-05RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB21155-CONCRETE

Quant Time: May 04 00:25:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:25:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

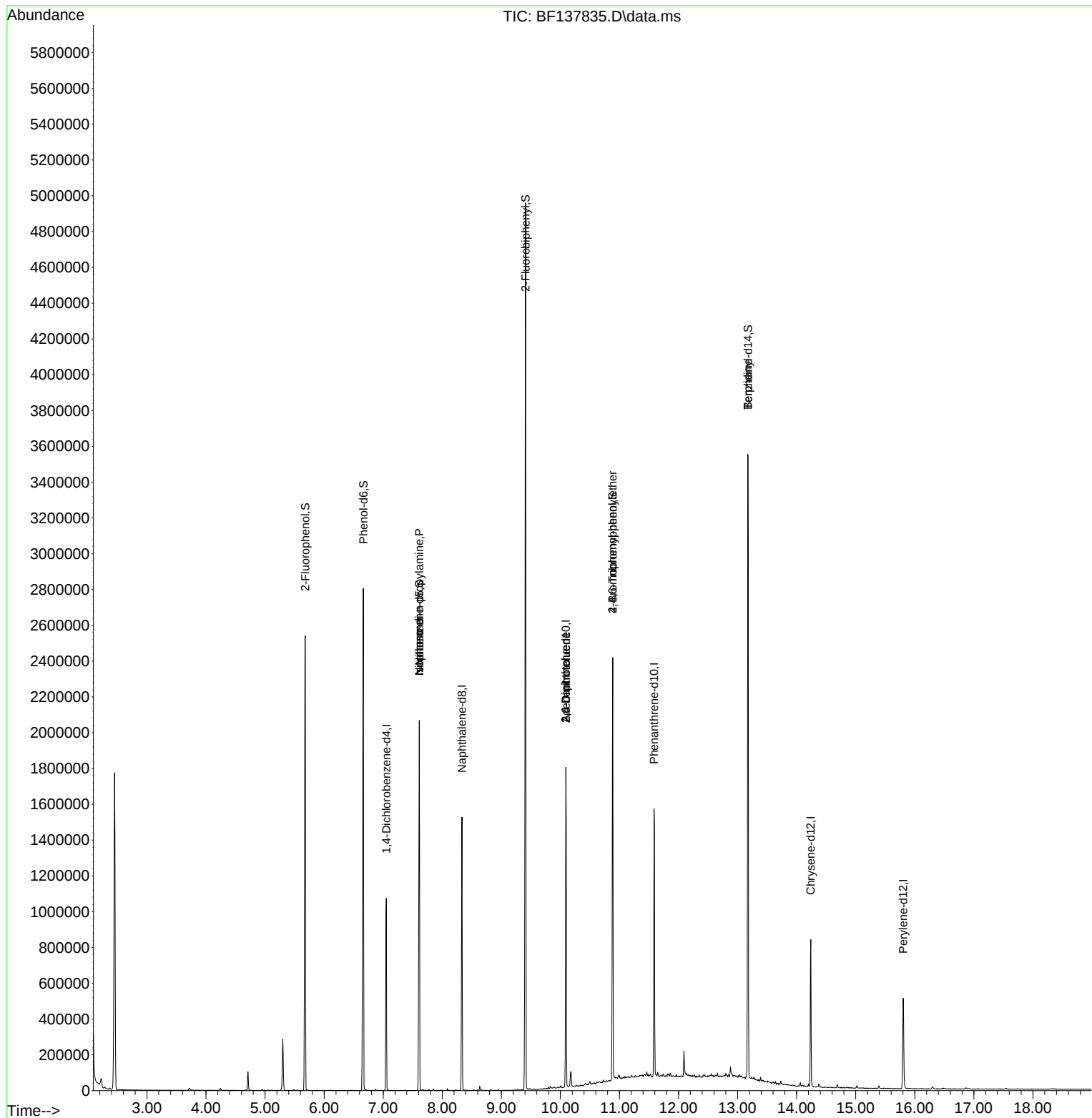
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.051	152	163925	20.000	ng	0.00
21) Naphthalene-d8	8.334	136	663040	20.000	ng	-0.01
39) Acenaphthene-d10	10.092	164	381935	20.000	ng	-0.02
64) Phenanthrene-d10	11.586	188	569525	20.000	ng	-0.01
76) Chrysene-d12	14.239	240	268885	20.000	ng	#-0.01
86) Perylene-d12	15.804	264	242729	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.681	112	796320	81.334	ng	0.00
7) Phenol-d6	6.663	99	1074131	86.494	ng	-0.01
23) Nitrobenzene-d5	7.610	82	701845	61.498	ng	-0.01
42) 2,4,6-Tribromophenol	10.886	330	287818	73.806	ng	-0.01
45) 2-Fluorobiphenyl	9.410	172	1571683	66.761	ng	-0.01
79) Terphenyl-d14	13.175	244	1276628	79.568	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.610	70	92309	12.438	ng	# 76
25) Isophorone	7.610	82	701838	34.109	ng	# 64
51) 2,6-Dinitrotoluene	10.092	165	50642	9.191	ng	# 27
57) 2,4-Dinitrotoluene	10.092	165	50642	7.035	ng	# 27
67) 4-Bromophenyl-phenylether	10.886	248	19126	3.138	ng	# 1
77) Benzydine	13.175	184	16329	2.626	ng	# 93

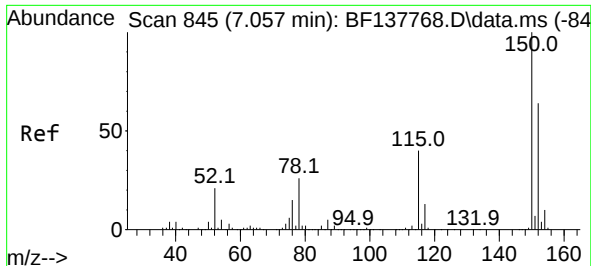
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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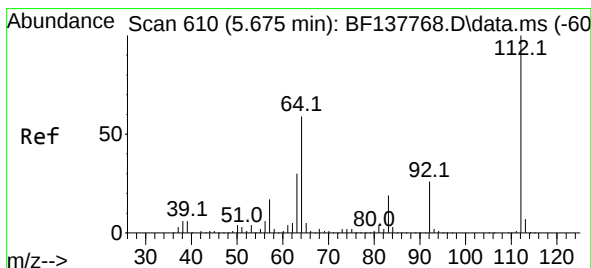
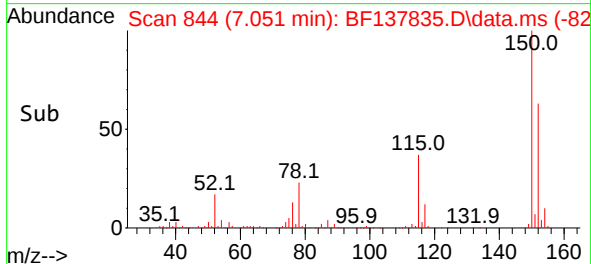
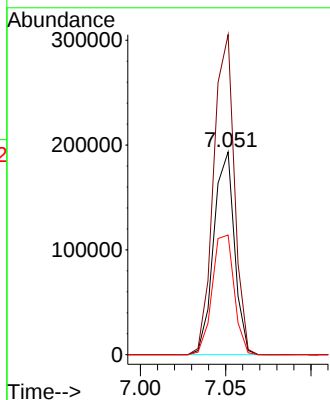
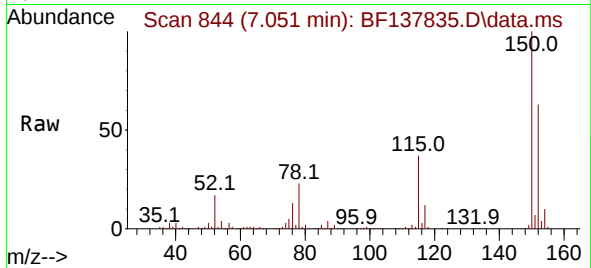




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF137835.D
Acq: 03 May 2024 18:19

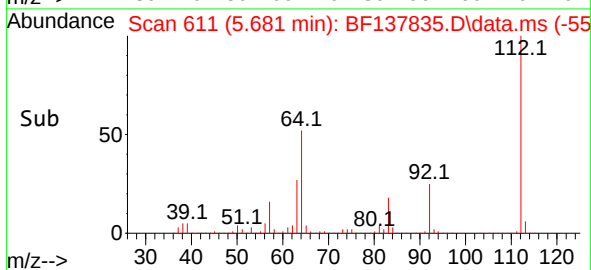
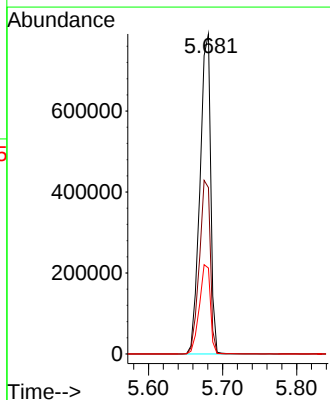
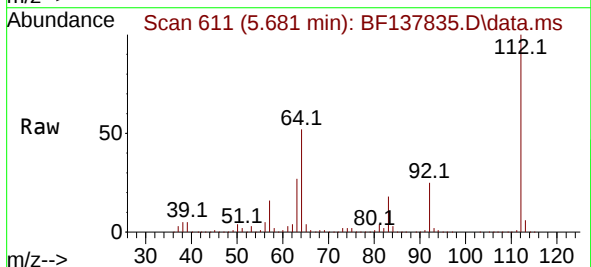
Instrument :
BNA_F
ClientSampleId :
RB21155-CONCRETE

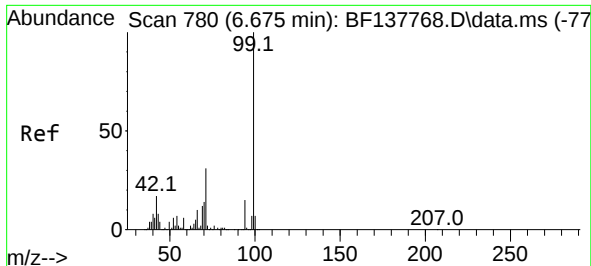
Tgt Ion:152 Resp: 163925
Ion Ratio Lower Upper
152 100
150 157.8 124.1 186.1
115 59.0 49.1 73.7



#5
2-Fluorophenol
Concen: 81.334 ng
RT: 5.681 min Scan# 611
Delta R.T. 0.006 min
Lab File: BF137835.D
Acq: 03 May 2024 18:19

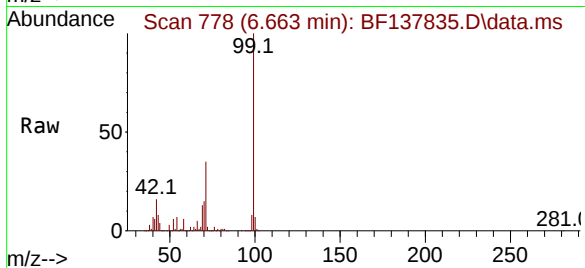
Tgt Ion:112 Resp: 796320
Ion Ratio Lower Upper
112 100
64 52.0 47.3 70.9
63 26.9 23.7 35.5





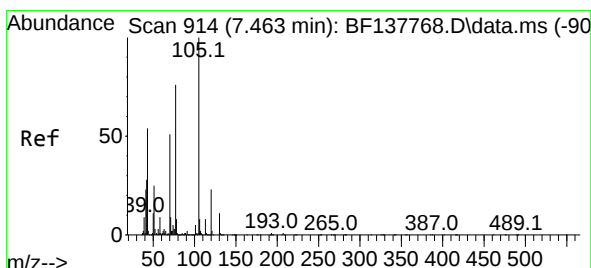
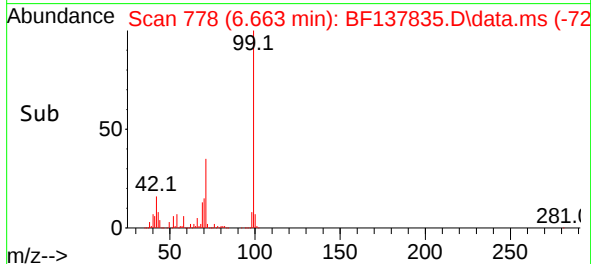
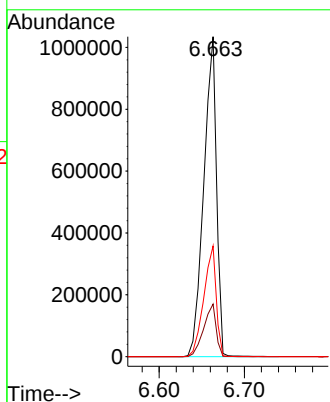
#7
Phenol-d6
Concen: 86.494 ng
RT: 6.663 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF137835.D
Acq: 03 May 2024 18:19

Instrument :
BNA_F
ClientSampleId :
RB21155-CONCRETE



Tgt Ion: 99 Resp: 1074131

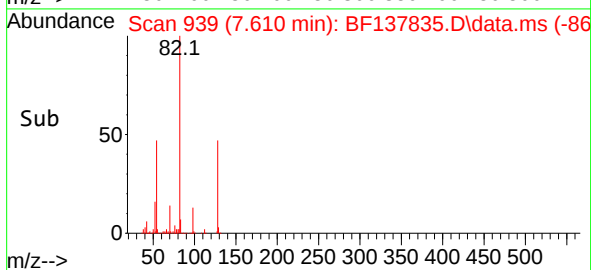
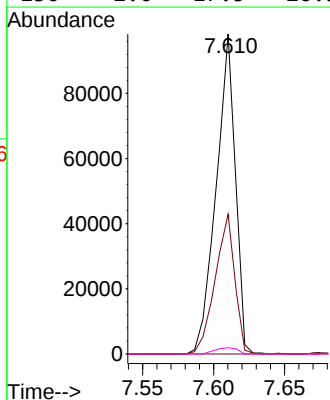
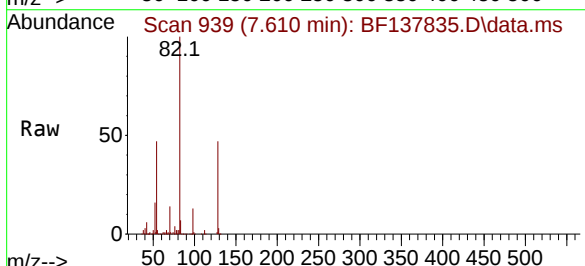
Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.2	19.8
71	34.6	25.0	37.4

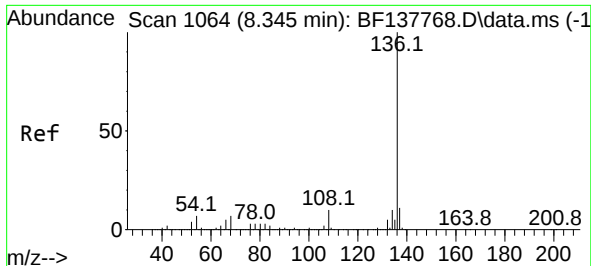


#19
n-Nitroso-di-n-propylamine
Concen: 12.438 ng
RT: 7.610 min Scan# 939
Delta R.T. 0.147 min
Lab File: BF137835.D
Acq: 03 May 2024 18:19

Tgt Ion: 70 Resp: 92309

Ion	Ratio	Lower	Upper
70	100		
42	43.6	44.6	66.8#
101	0.0	7.8	11.6#
130	2.0	17.5	26.3#

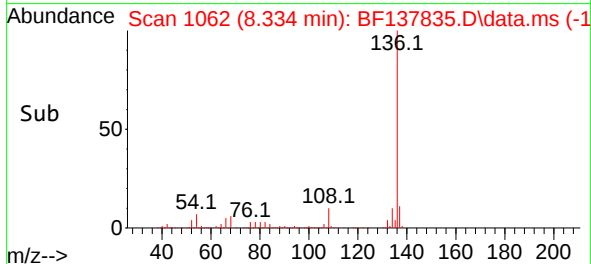
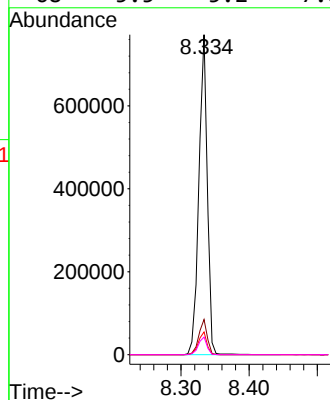
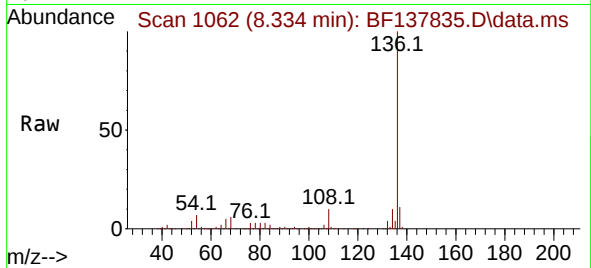




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.334 min Scan# 1062
Delta R.T. -0.012 min
Lab File: BF137835.D
Acq: 03 May 2024 18:19

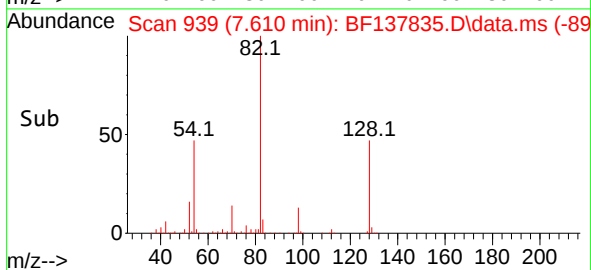
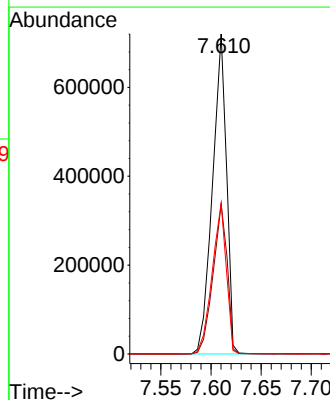
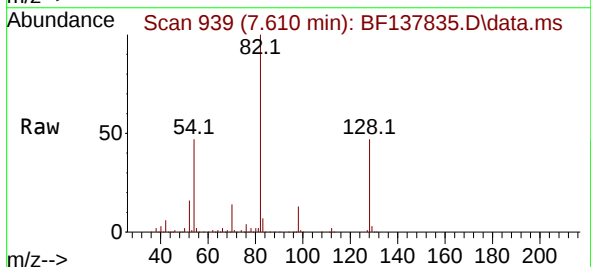
Instrument :
BNA_F
ClientSampleId :
RB21155-CONCRETE

Tgt Ion:	136	Resp:	663040
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.1	5.8	8.8
68	5.5	5.2	7.8



#23
Nitrobenzene-d5
Concen: 61.498 ng
RT: 7.610 min Scan# 939
Delta R.T. -0.012 min
Lab File: BF137835.D
Acq: 03 May 2024 18:19

Tgt Ion:	82	Resp:	701845
Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.5	56.3
54	47.1	39.8	59.6

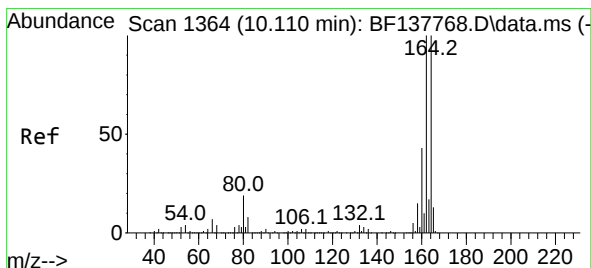
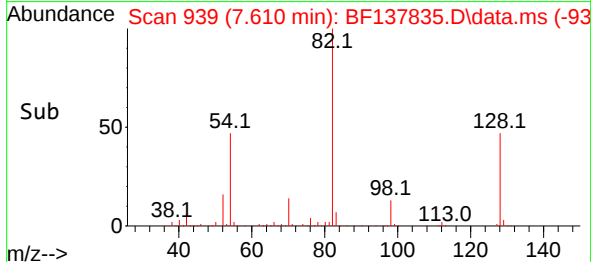
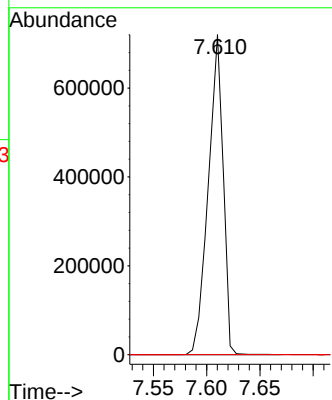
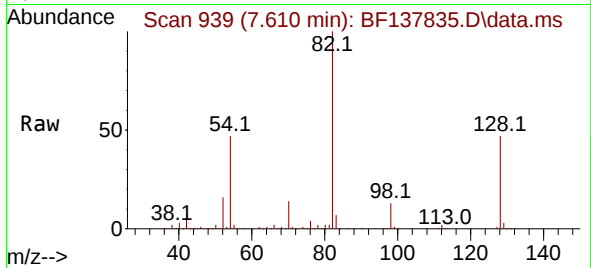




#25
Isophorone
Concen: 34.109 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF137835.D
Acq: 03 May 2024 18:19

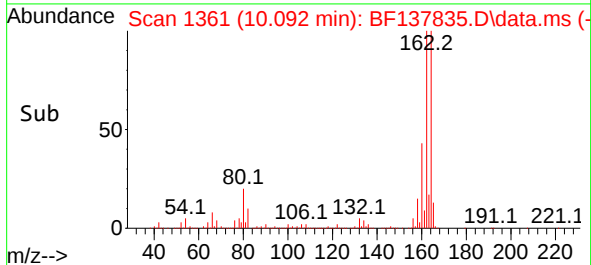
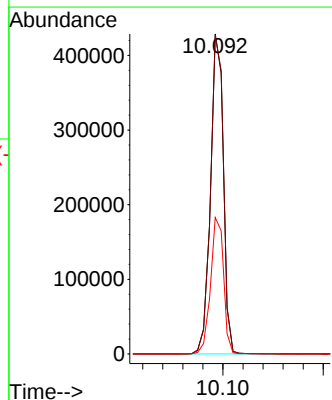
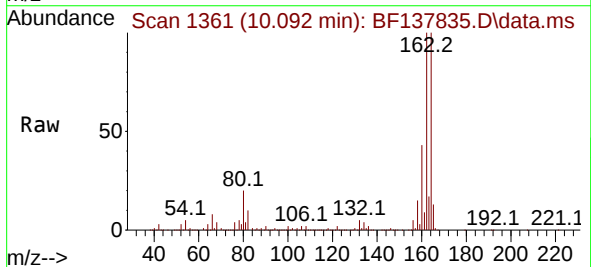
Instrument :
BNA_F
ClientSampleId :
RB21155-CONCRETE

Tgt Ion: 82 Resp: 701838
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.0 22.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.092 min Scan# 1361
Delta R.T. -0.018 min
Lab File: BF137835.D
Acq: 03 May 2024 18:19

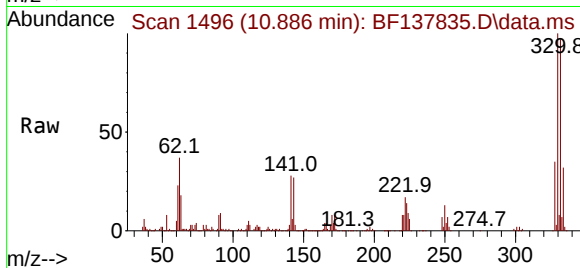
Tgt Ion:164 Resp: 381935
Ion Ratio Lower Upper
164 100
162 99.5 79.8 119.6
160 42.7 34.4 51.6



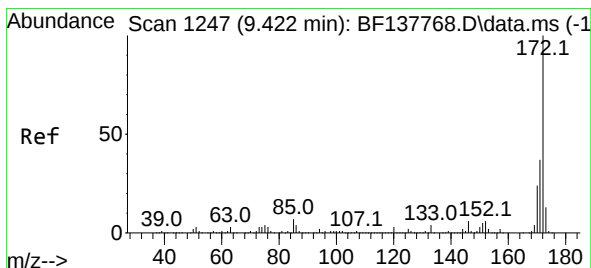
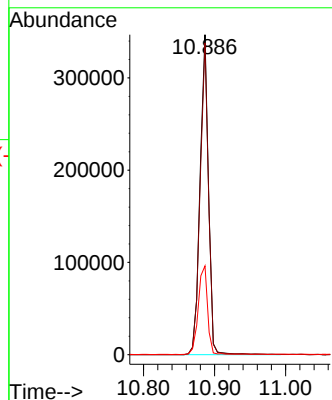
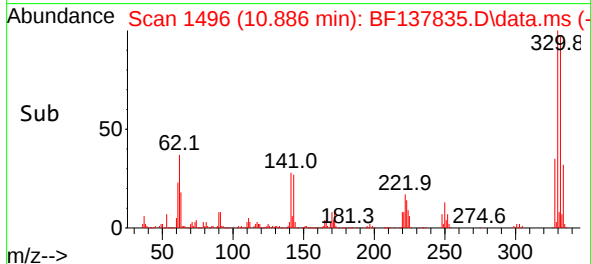


#42
2,4,6-Tribromophenol
Concen: 73.806 ng
RT: 10.886 min Scan# 1496
Delta R.T. -0.012 min
Lab File: BF137835.D
Acq: 03 May 2024 18:19

Instrument :
BNA_F
ClientSampleId :
RB21155-CONCRETE

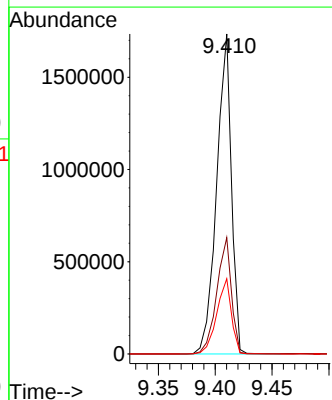
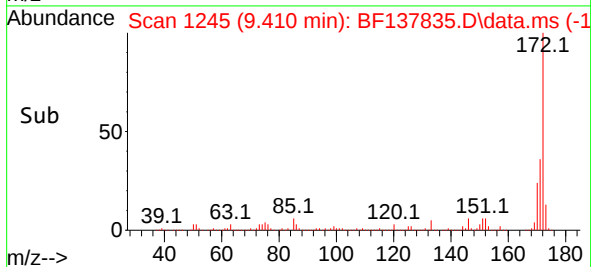
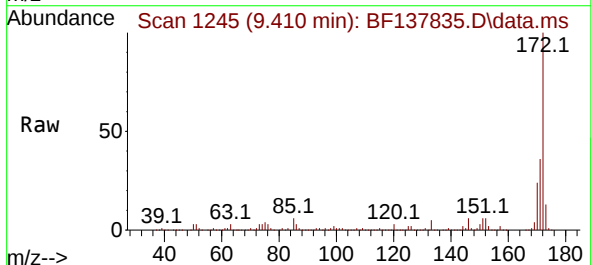


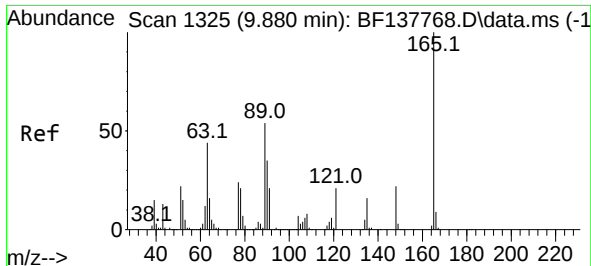
Tgt Ion:330 Resp: 287818
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 30.3 23.8 35.6



#45
2-Fluorobiphenyl
Concen: 66.761 ng
RT: 9.410 min Scan# 1245
Delta R.T. -0.012 min
Lab File: BF137835.D
Acq: 03 May 2024 18:19

Tgt Ion:172 Resp: 1571683
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 23.5 19.4 29.2

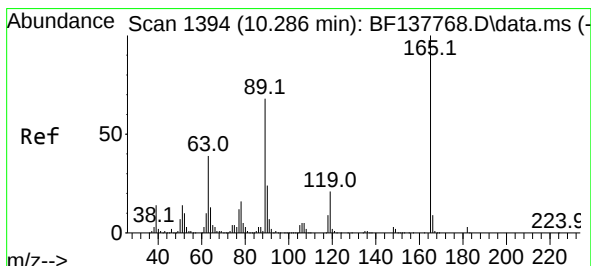
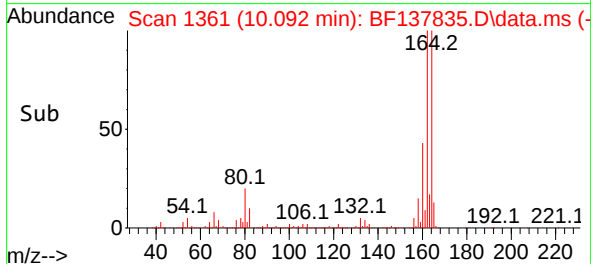
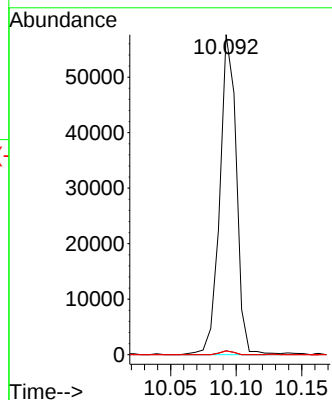
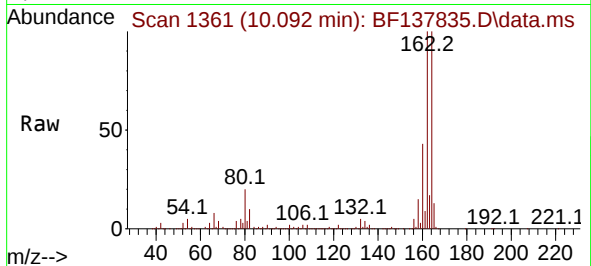




#51
2,6-Dinitrotoluene
Concen: 9.191 ng
RT: 10.092 min Scan# 1361
Delta R.T. 0.212 min
Lab File: BF137835.D
Acq: 03 May 2024 18:19

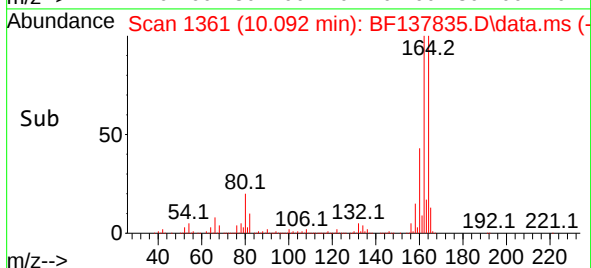
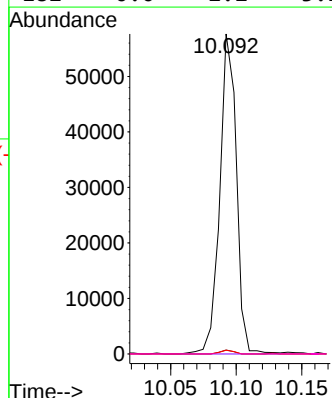
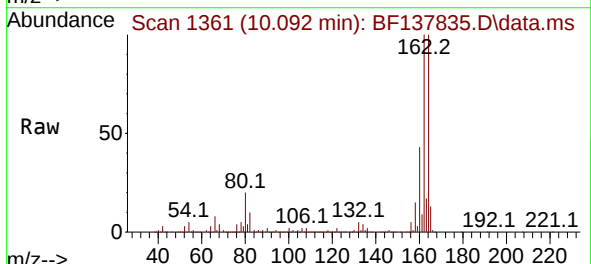
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BNA_F
ClientSampleId :
RB21155-CONCRETE

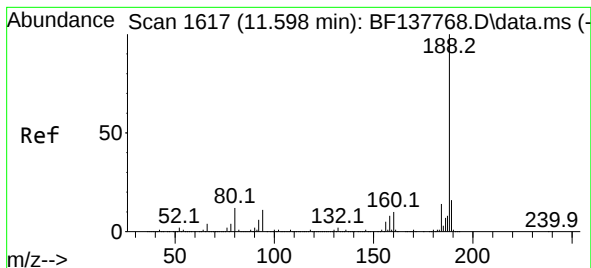
Tgt Ion:165 Resp: 50642
Ion Ratio Lower Upper
165 100
63 1.3 41.9 62.9#
89 1.1 43.2 64.8#



#57
2,4-Dinitrotoluene
Concen: 7.035 ng
RT: 10.092 min Scan# 1361
Delta R.T. -0.194 min
Lab File: BF137835.D
Acq: 03 May 2024 18:19

Tgt Ion:165 Resp: 50642
Ion Ratio Lower Upper
165 100
63 1.3 31.3 46.9#
89 1.1 54.2 81.4#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.586 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF137835.D

Acq: 03 May 2024 18:19

Instrument :

BNA_F

ClientSampleId :

RB21155-CONCRETE

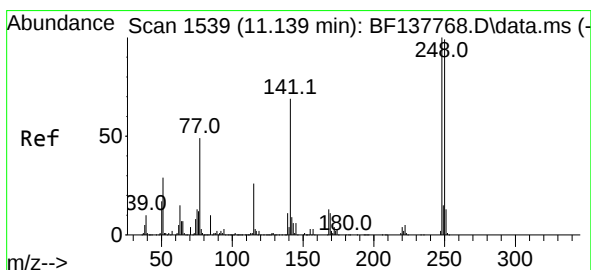
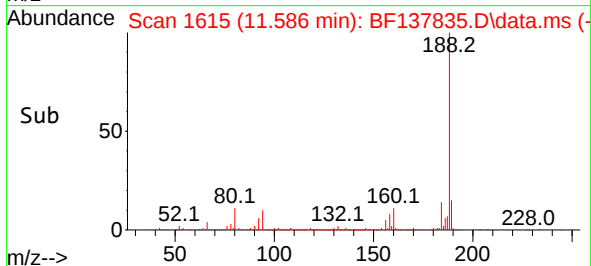
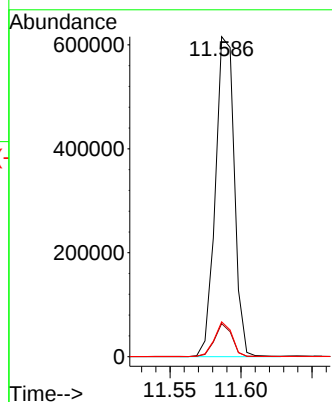
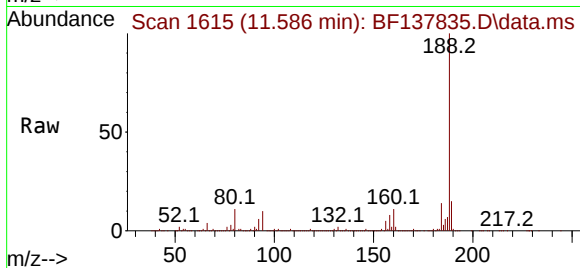
Tgt Ion:188 Resp: 569525

Ion Ratio Lower Upper

188 100

94 10.4 8.8 13.2

80 10.9 9.6 14.4



#67

4-Bromophenyl-phenylether

Concen: 3.138 ng

RT: 10.886 min Scan# 1496

Delta R.T. -0.253 min

Lab File: BF137835.D

Acq: 03 May 2024 18:19

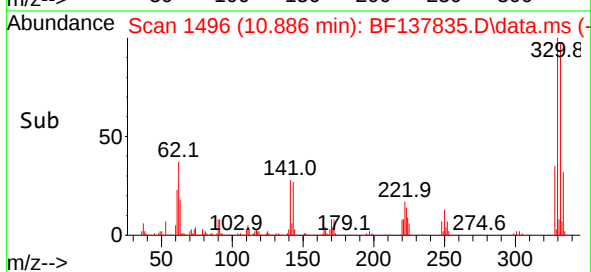
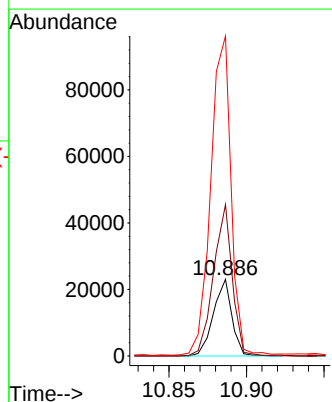
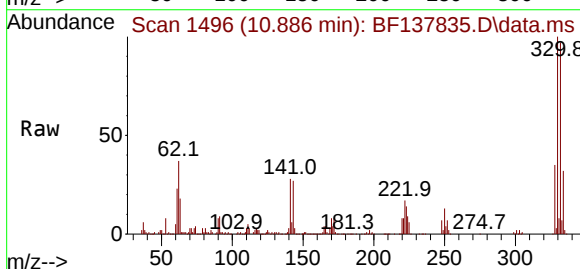
Tgt Ion:248 Resp: 19126

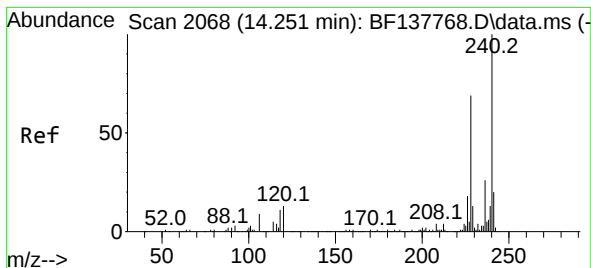
Ion Ratio Lower Upper

248 100

250 197.6 79.1 118.7#

141 417.6 55.4 83.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.239 min Scan# 2066

Delta R.T. -0.012 min

Lab File: BF137835.D

Acq: 03 May 2024 18:19

Instrument :

BNA_F

ClientSampleId :

RB21155-CONCRETE

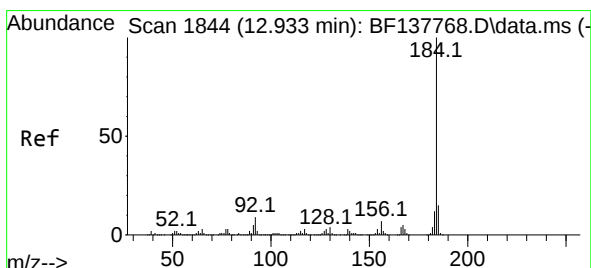
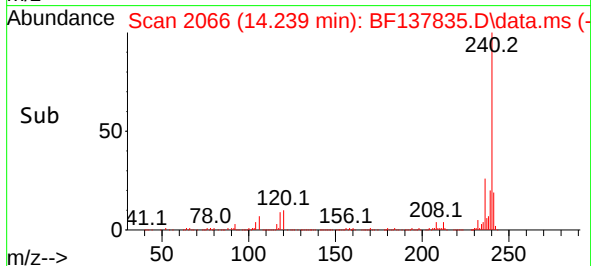
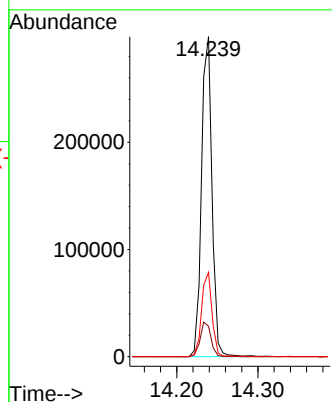
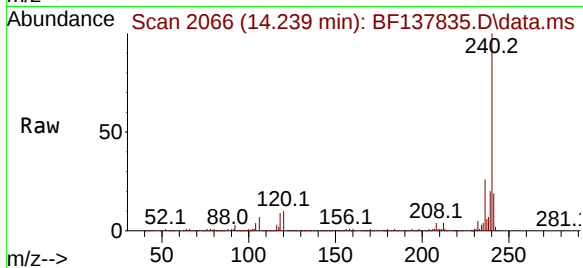
Tgt Ion:240 Resp: 268885

Ion Ratio Lower Upper

240 100

120 9.5 10.4 15.6#

236 26.3 20.4 30.6



#77

Benzidine

Concen: 2.626 ng

RT: 13.175 min Scan# 1885

Delta R.T. 0.241 min

Lab File: BF137835.D

Acq: 03 May 2024 18:19

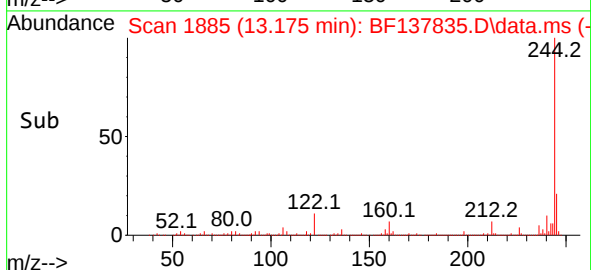
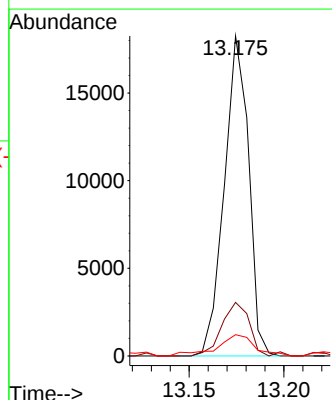
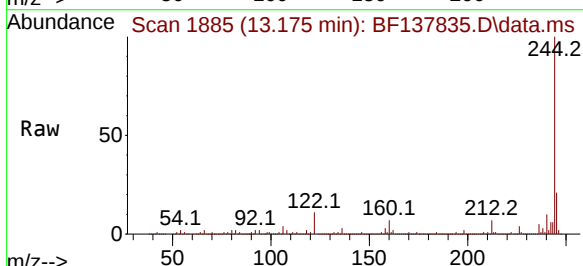
Tgt Ion:184 Resp: 16329

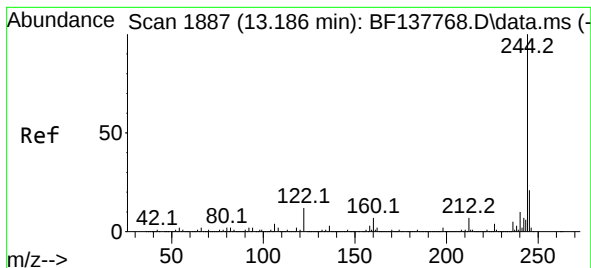
Ion Ratio Lower Upper

184 100

185 16.8 12.3 18.5

183 6.7 9.2 13.8#





#79

Terphenyl-d14

Concen: 79.568 ng

RT: 13.175 min Scan# 1885

Delta R.T. -0.012 min

Lab File: BF137835.D

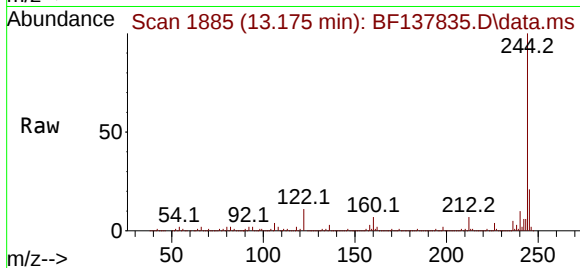
Acq: 03 May 2024 18:19

Instrument :

BNA_F

ClientSampleId :

RB21155-CONCRETE



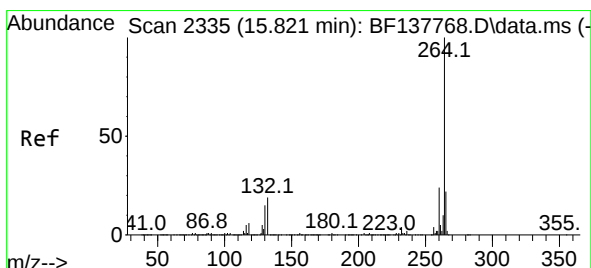
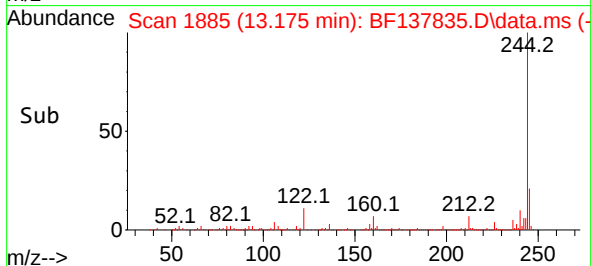
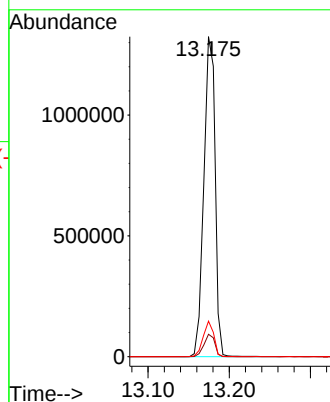
Tgt Ion:244 Resp: 1276628

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 11.1 9.4 14.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.804 min Scan# 2332

Delta R.T. -0.018 min

Lab File: BF137835.D

Acq: 03 May 2024 18:19

Tgt Ion:264 Resp: 242729

Ion Ratio Lower Upper

264 100

260 23.1 18.9 28.3

265 20.9 17.4 26.0

