

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092321\
 Data File : BF125612.D
 Acq On : 24 Sep 2021 2:04
 Operator : JU/CG
 Sample : M3820-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TB-CONCRETE

Quant Time: Sep 24 04:21:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 21 19:21:36 2021
 Response via : Initial Calibration

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

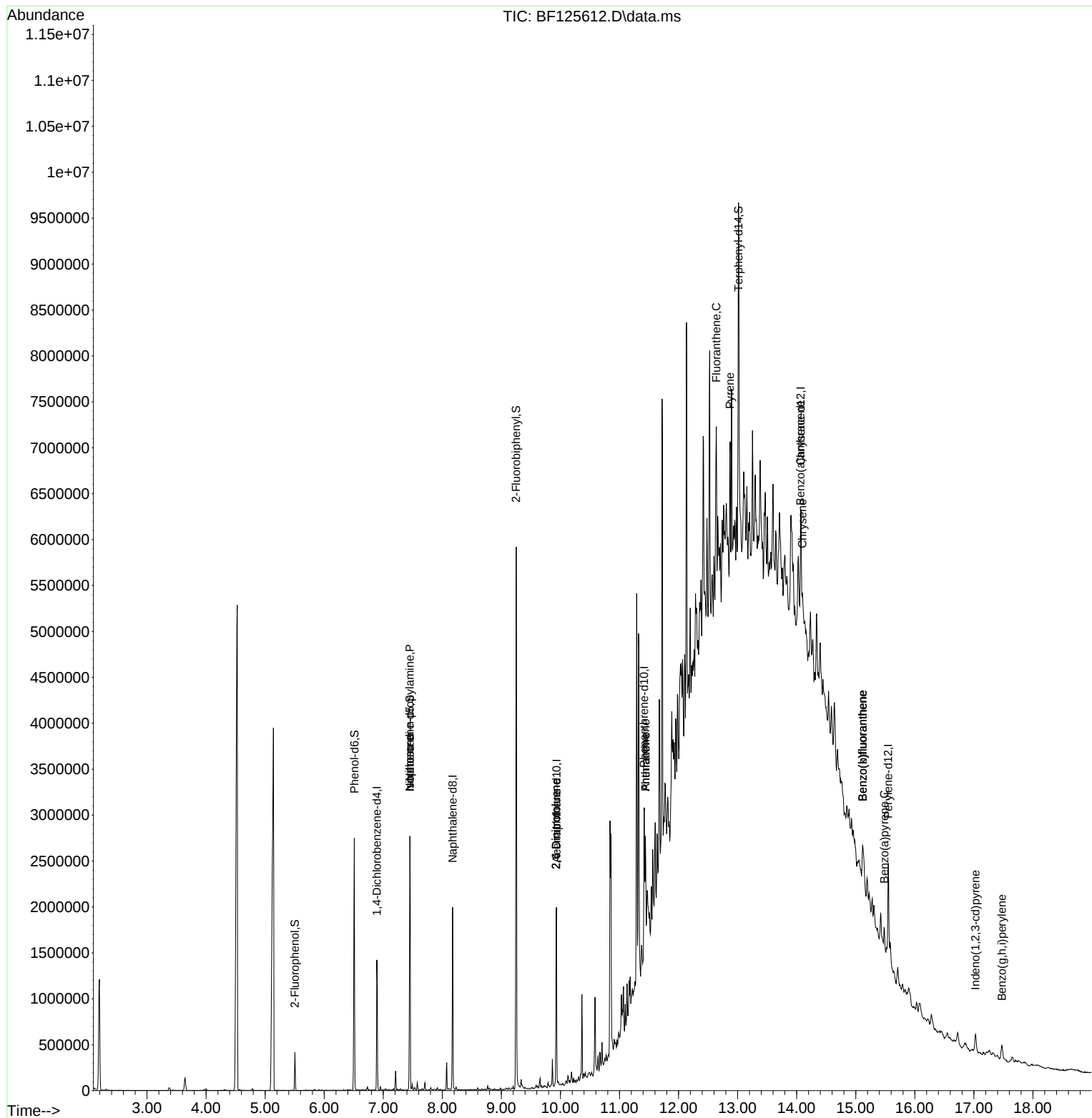
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	211157	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	858474	20.000	ng	# 0.00
39) Acenaphthene-d10	9.933	164	449929	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	701208	20.000	ng	# 0.00
76) Chrysene-d12	14.068	240	399472	20.000	ng	0.00
86) Perylene-d12	15.551	264	505220	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	108645	8.136	ng	0.00
7) Phenol-d6	6.510	99	966890	56.161	ng	-0.01
23) Nitrobenzene-d5	7.451	82	938713	69.743	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	1143	0.259	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	1963020	78.064	ng	-0.01
79) Terphenyl-d14	13.016	244	1419956	57.400	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.440	77	681	Below Cal		90
19) n-Nitroso-di-n-propyla...	7.451	70	117580	11.411 ng	#	53
25) Isophorone	7.451	82	934326	32.257 ng	#	59
51) 2,6-Dinitrotoluene	9.928	165	57376	9.313 ng	#	27
57) 2,4-Dinitrotoluene	9.928	165	58569	7.933 ng	#	19
71) Phenanthrene	11.439	178	374912	9.518 ng		96
72) Anthracene	11.439	178	374912	9.549 ng		97
75) Fluoranthene	12.639	202	540011	13.975 ng		95
78) Pyrene	12.869	202	447482	11.953 ng		95
81) Benzo(a)anthracene	14.063	228	151931	5.587 ng	#	89
83) Chrysene	14.098	228	171832	6.255 ng	#	93
87) Indeno(1,2,3-cd)pyrene	17.027	276	119866	3.305 ng		94
88) Benzo(b)fluoranthene	15.115	252	301142	8.150 ng	#	84
89) Benzo(k)fluoranthene	15.115	252	301142	8.912 ng	#	85
90) Benzo(a)pyrene	15.486	252	132588	4.123 ng	#	88
92) Benzo(g,h,i)perylene	17.474	276	124982	4.120 ng		94

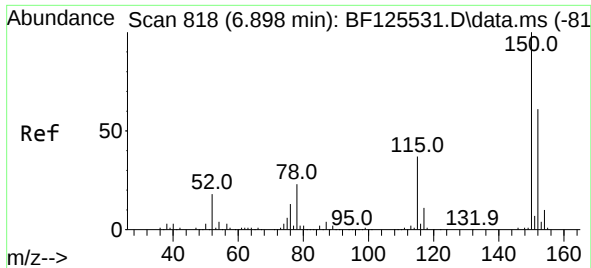
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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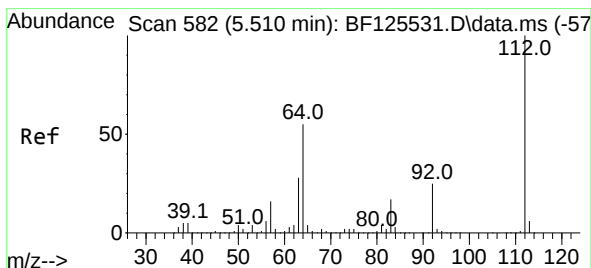
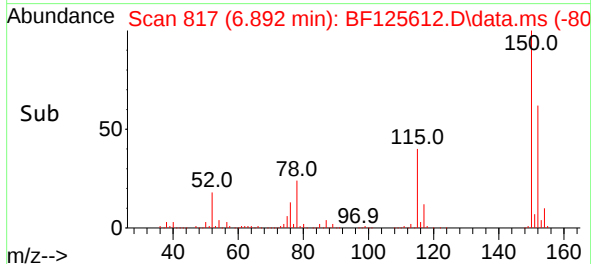
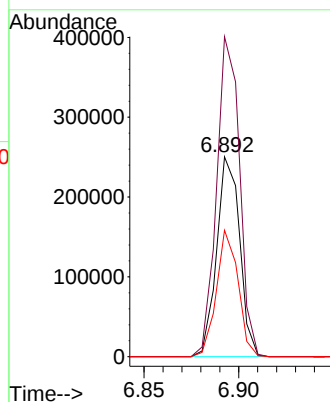
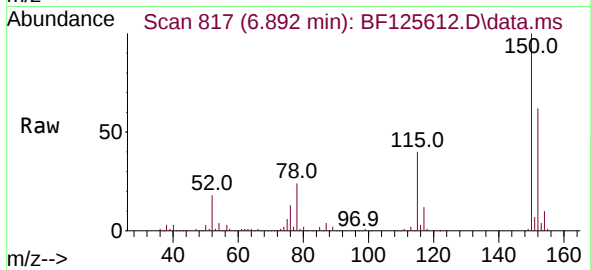




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

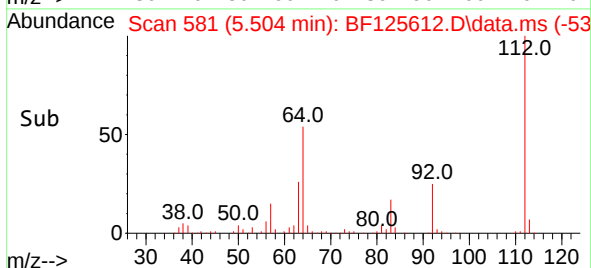
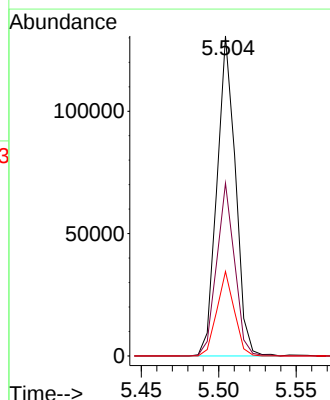
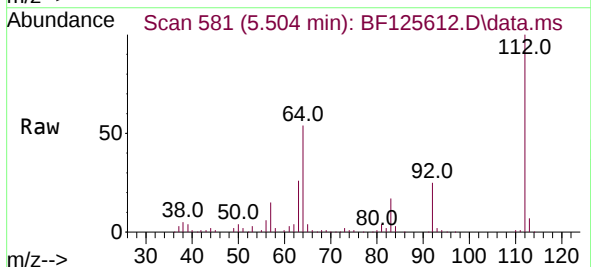
Instrument :
BNA_F
ClientSampleId :
TB-CONCRETE

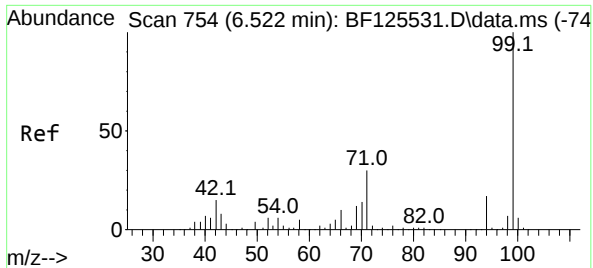
Tgt Ion:152 Resp: 211157
Ion Ratio Lower Upper
152 100
150 160.2 117.6 176.4
115 63.3 47.1 70.7



#5
2-Fluorophenol
Concen: 8.136 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

Tgt Ion:112 Resp: 108645
Ion Ratio Lower Upper
112 100
64 54.0 44.2 66.2
63 26.4 26.2 39.2

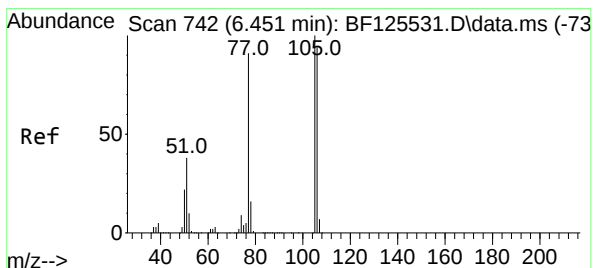
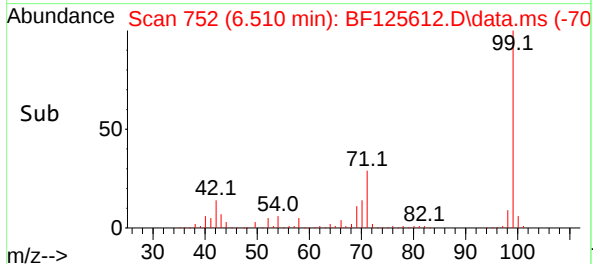
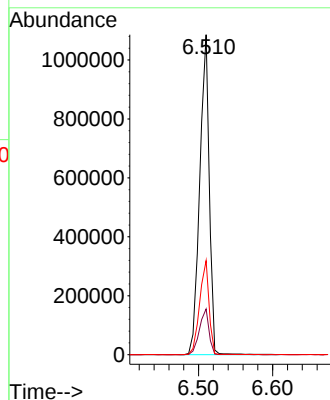
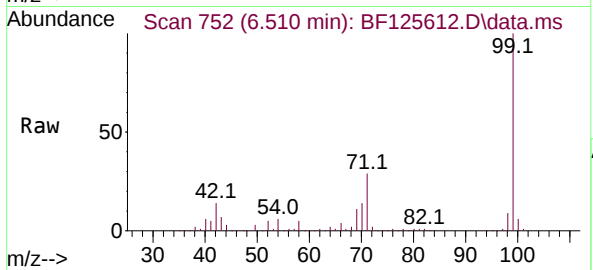




#7
Phenol-d6
Concen: 56.161 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

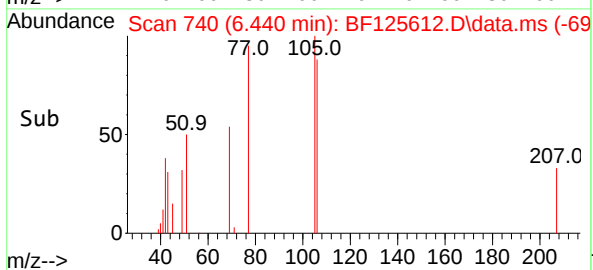
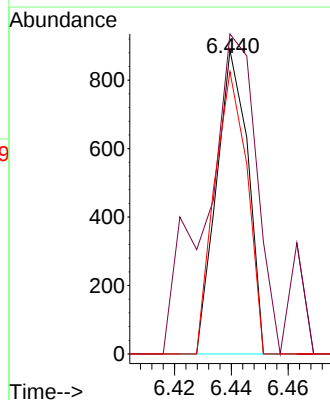
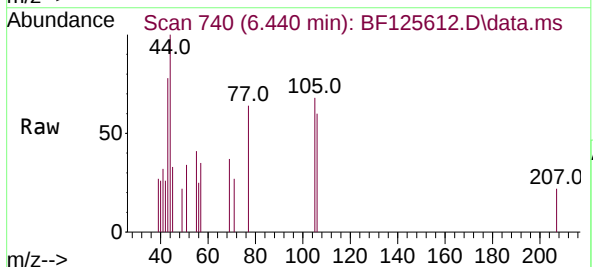
Instrument :
BNA_F
ClientSampleId :
TB-CONCRETE

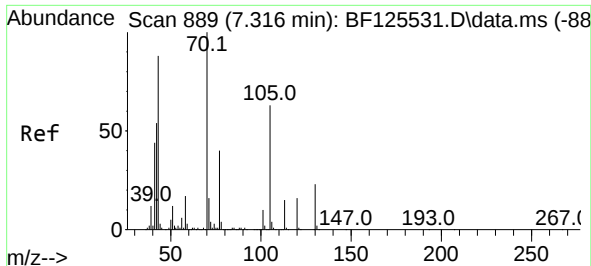
Tgt Ion: 99 Resp: 966890
Ion Ratio Lower Upper
99 100
42 14.3 23.5 35.3#
71 29.4 25.6 38.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.440 min Scan# 740
Delta R.T. -0.011 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

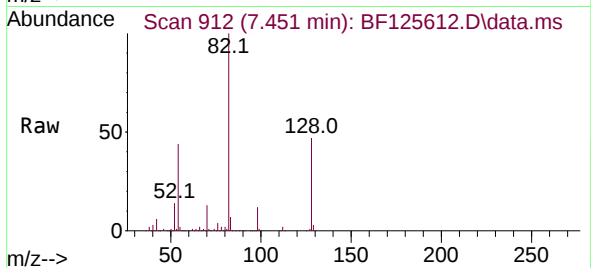
Tgt Ion: 77 Resp: 681
Ion Ratio Lower Upper
77 100
105 105.3 75.9 115.9
106 92.9 84.0 124.0



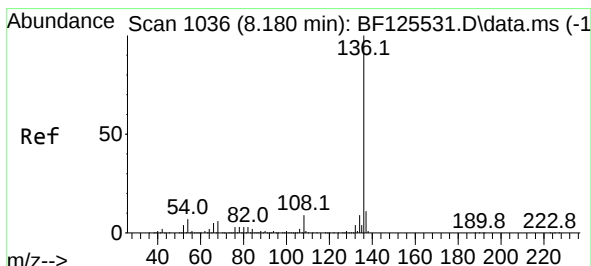
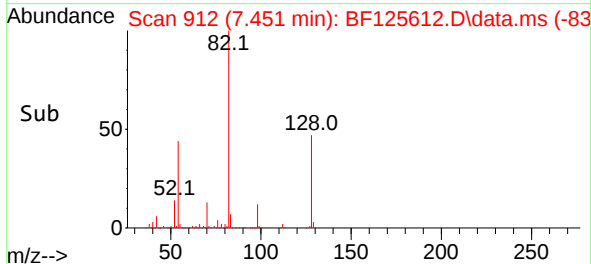
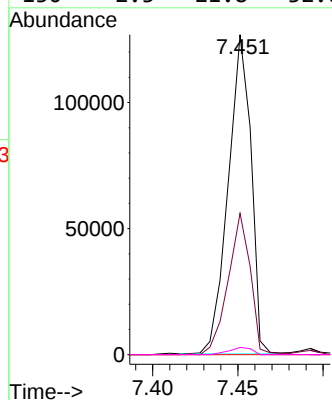


#19
n-Nitroso-di-n-propylamine
Concen: 11.411 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.135 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

Instrument :
BNA_F
ClientSampleId :
TB-CONCRETE

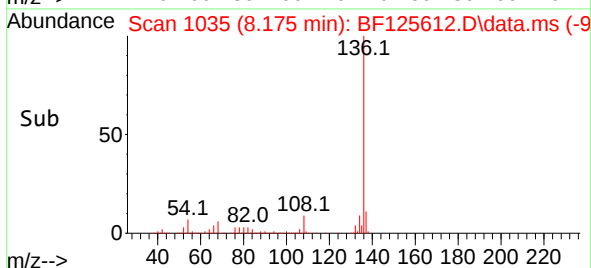
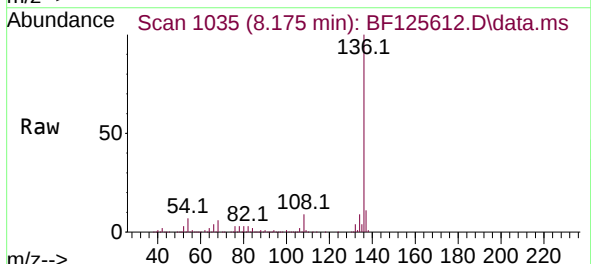
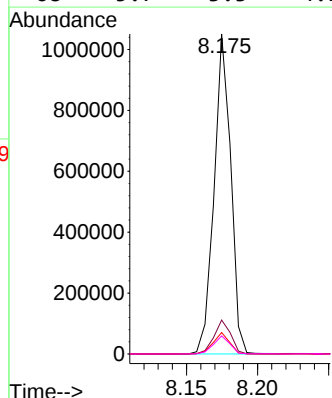


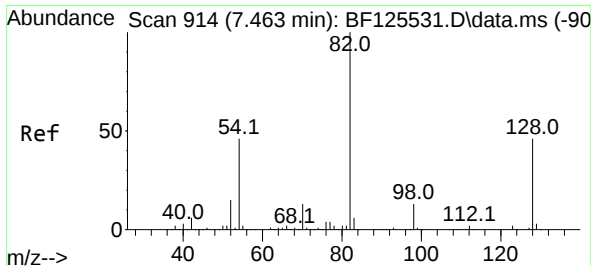
Tgt Ion: 70 Resp: 117580
Ion Ratio Lower Upper
70 100
42 44.1 72.2 108.2#
101 0.0 7.8 11.8#
130 2.3 21.8 32.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

Tgt Ion: 136 Resp: 858474
Ion Ratio Lower Upper
136 100
137 10.6 9.8 14.6
54 6.7 6.4 9.6
68 5.7 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 69.743 ng

RT: 7.451 min Scan# 912

Delta R.T. -0.012 min

Lab File: BF125612.D

Acq: 24 Sep 2021 2:04

Tgt Ion: 82 Resp: 938713

Ion Ratio Lower Upper

82 100

128 46.8 40.6 60.8

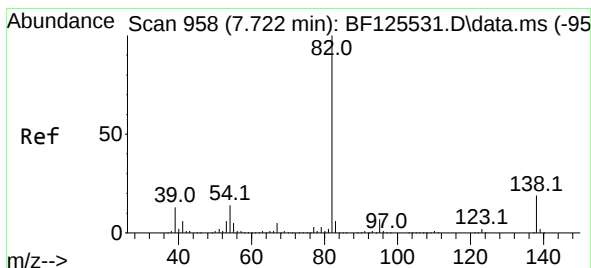
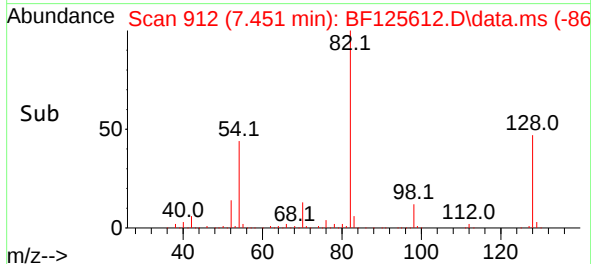
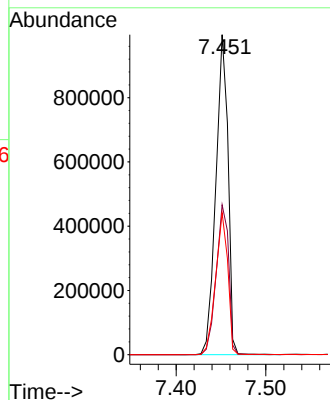
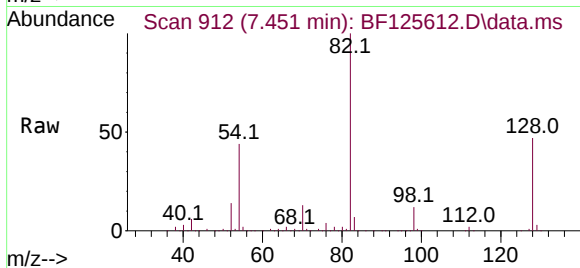
54 44.4 49.6 74.4#

Instrument :

BNA_F

ClientSampleId :

TB-CONCRETE



#25

Isophorone

Concen: 32.257 ng

RT: 7.451 min Scan# 912

Delta R.T. -0.270 min

Lab File: BF125612.D

Acq: 24 Sep 2021 2:04

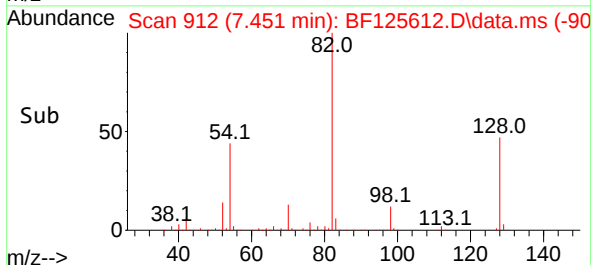
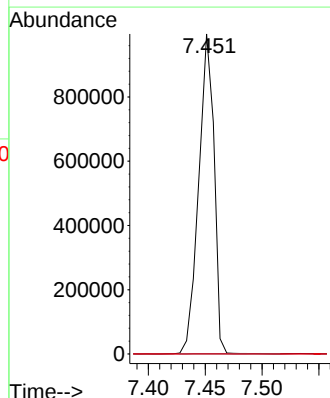
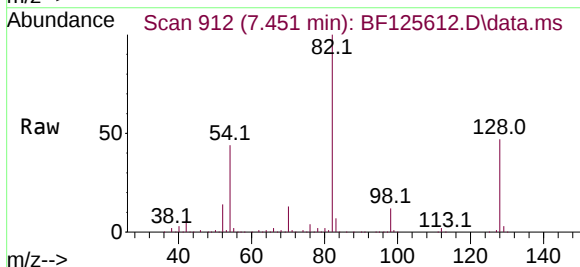
Tgt Ion: 82 Resp: 934326

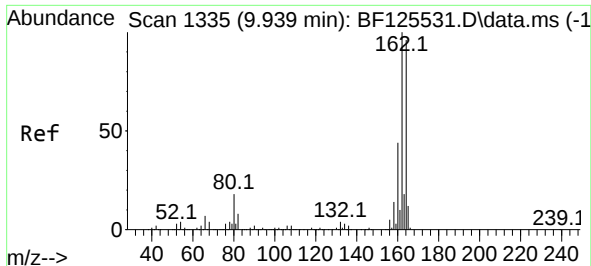
Ion Ratio Lower Upper

82 100

95 0.1 6.5 9.7#

138 0.0 18.4 27.6#

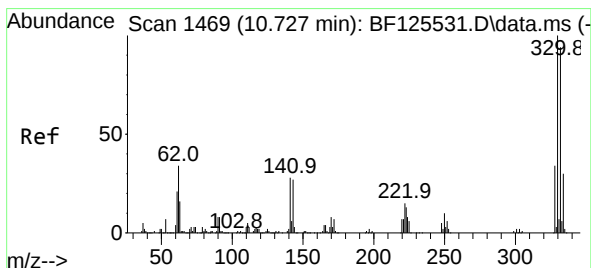
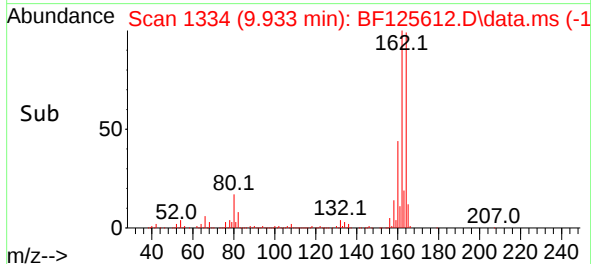
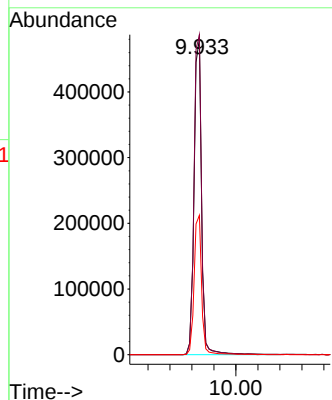
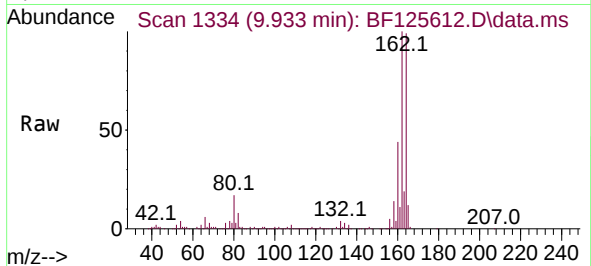




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

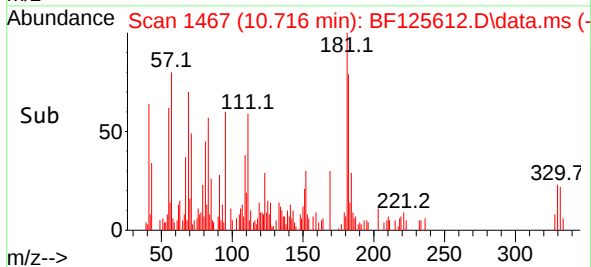
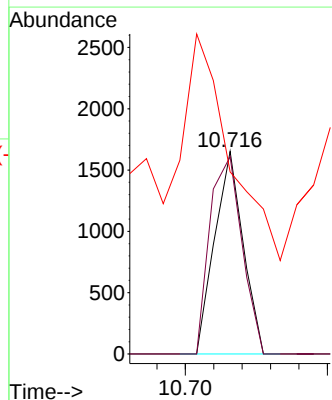
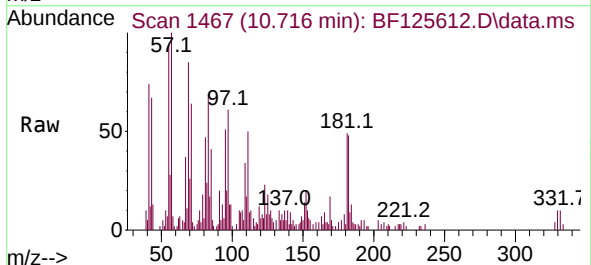
Instrument :
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ClientSampleId :
TB-CONCRETE

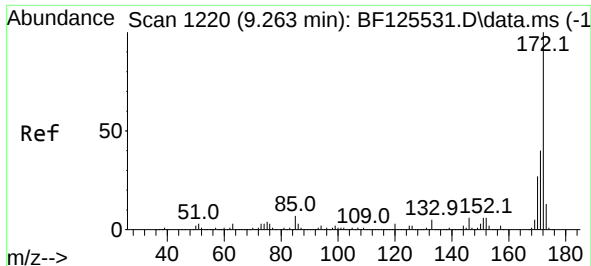
Tgt Ion:164 Resp: 449929
Ion Ratio Lower Upper
164 100
162 101.3 81.3 121.9
160 44.1 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 0.259 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.012 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

Tgt Ion:330 Resp: 1143
Ion Ratio Lower Upper
330 100
332 110.5 76.2 114.4
141 180.1 44.6 66.8#

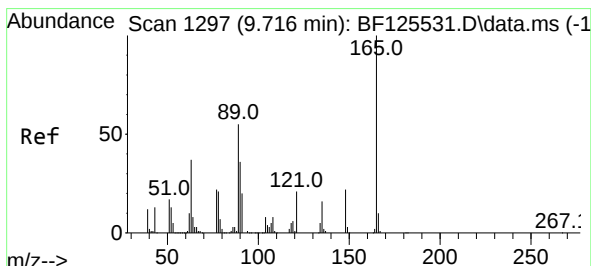
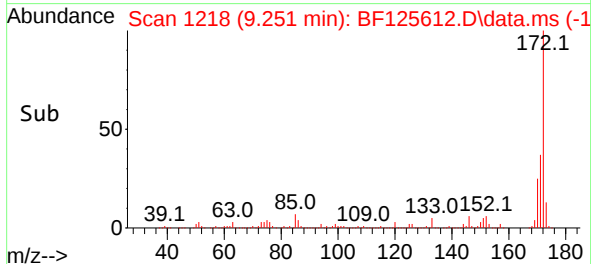
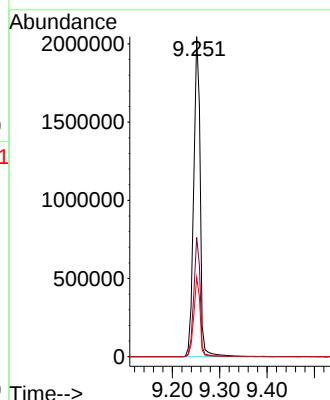
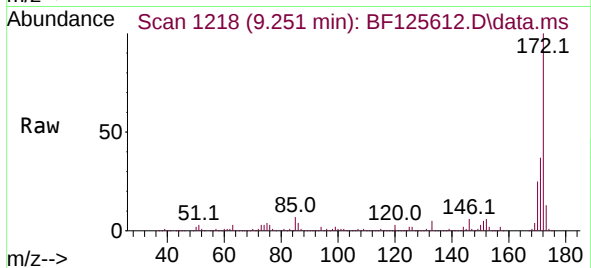




#45
2-Fluorobiphenyl
Concen: 78.064 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

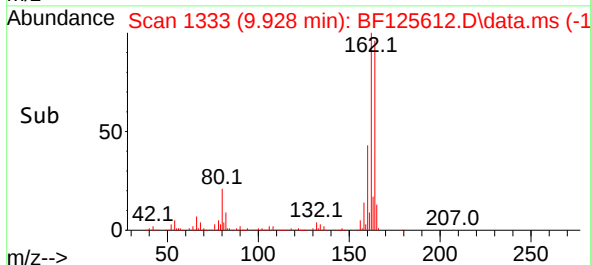
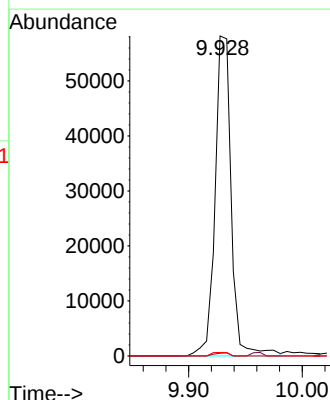
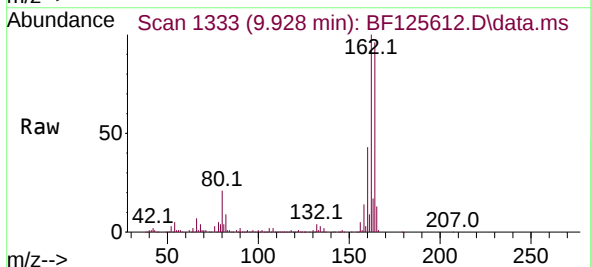
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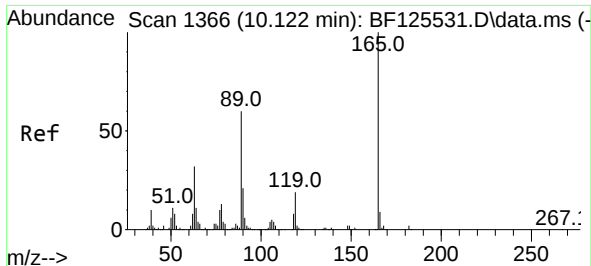
Tgt Ion:172 Resp: 1963020
Ion Ratio Lower Upper
172 100
171 37.2 26.5 39.7
170 24.8 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.313 ng
RT: 9.928 min Scan# 1333
Delta R.T. 0.212 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

Tgt Ion:165 Resp: 57376
Ion Ratio Lower Upper
165 100
63 0.9 42.6 63.8#
89 1.1 40.6 60.8#

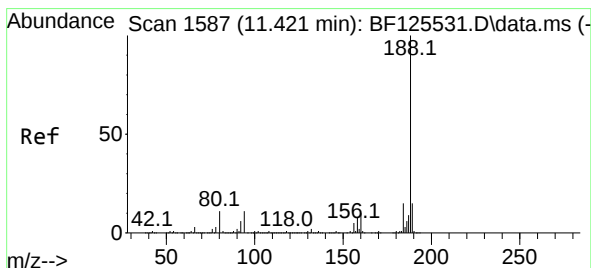
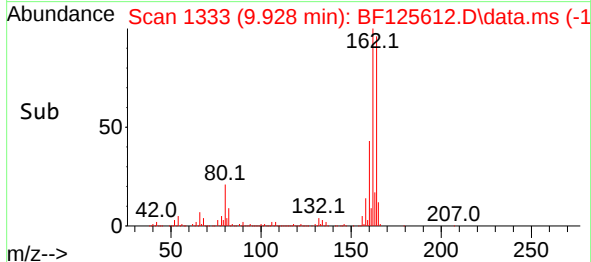
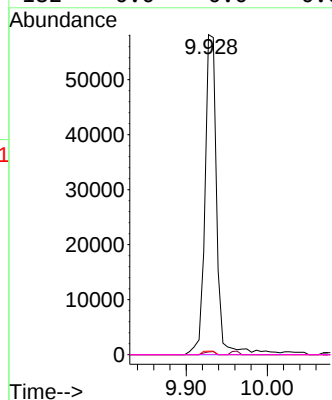
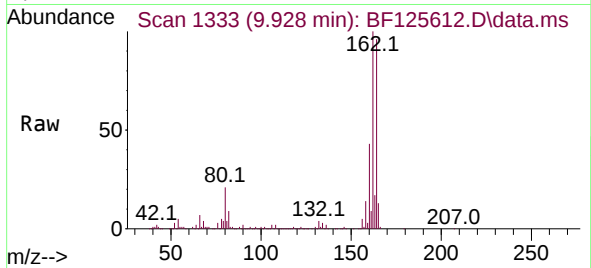




#57
2,4-Dinitrotoluene
Concen: 7.933 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.194 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

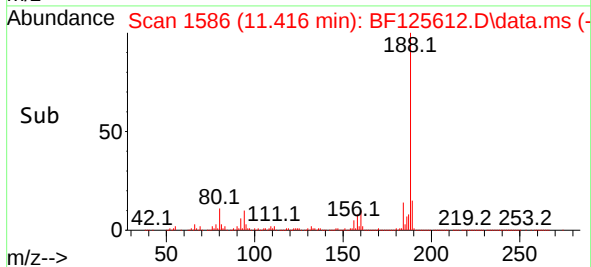
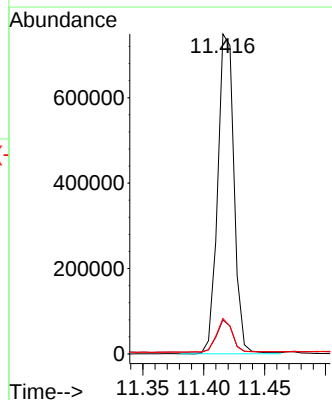
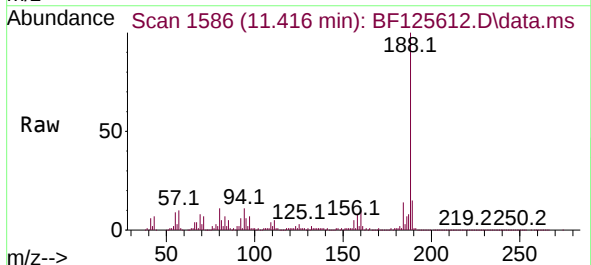
Instrument :
BNA_F
ClientSampleId :
TB-CONCRETE

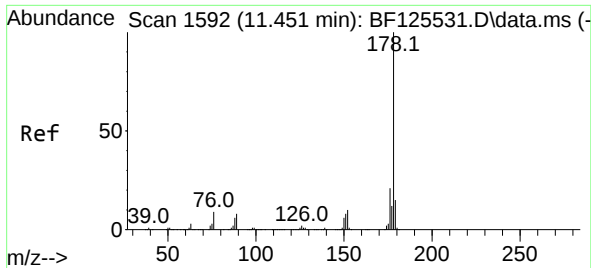
Tgt Ion:165	Resp:	58569
Ion Ratio	Lower	Upper
165	100	
63	0.9	40.9 61.3#
89	1.1	59.7 89.5#
182	0.0	0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

Tgt Ion:188	Resp:	701208
Ion Ratio	Lower	Upper
188	100	
94	10.6	6.7 10.1#
80	11.1	7.5 11.3

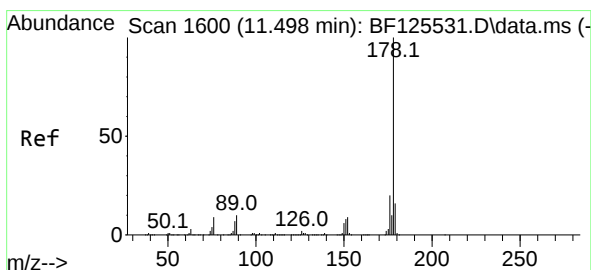
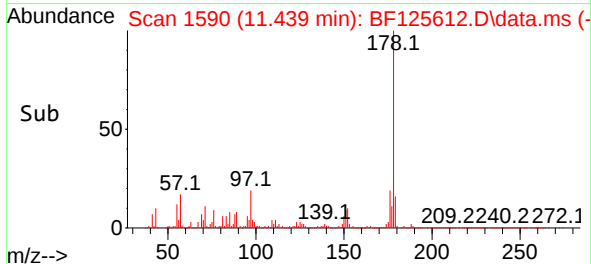
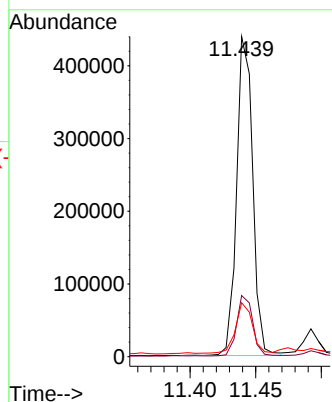
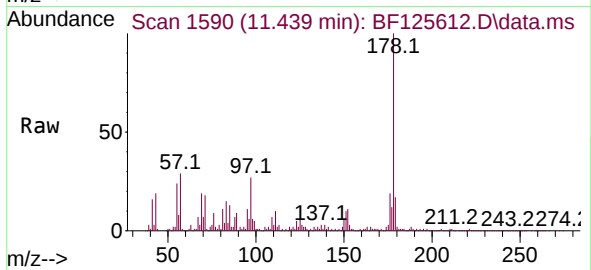




#71
Phenanthrene
Concen: 9.518 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.012 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

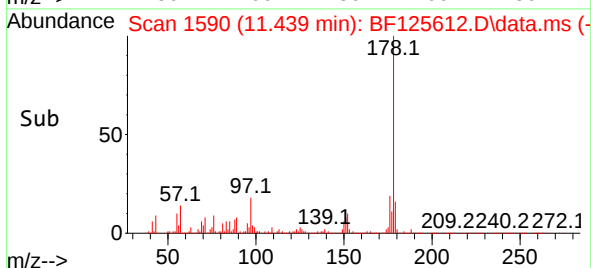
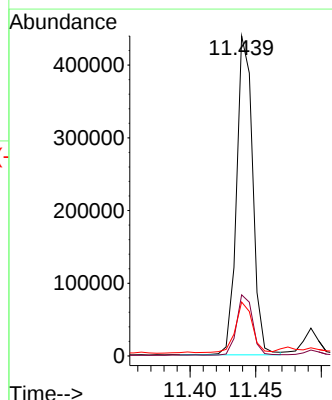
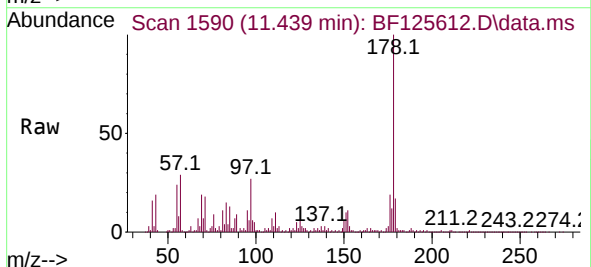
Instrument :
BNA_F
ClientSampleId :
TB-CONCRETE

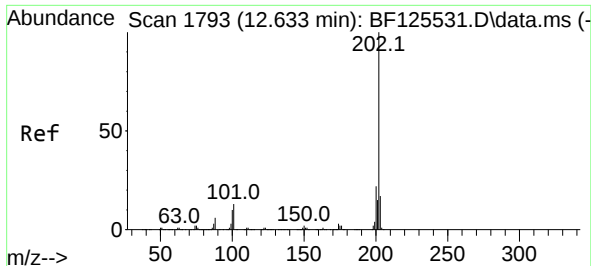
Tgt Ion:178 Resp: 374912
Ion Ratio Lower Upper
178 100
176 19.1 14.7 22.1
179 16.8 11.5 17.3



#72
Anthracene
Concen: 9.549 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.059 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

Tgt Ion:178 Resp: 374912
Ion Ratio Lower Upper
178 100
176 19.1 14.3 21.5
179 16.8 12.2 18.4

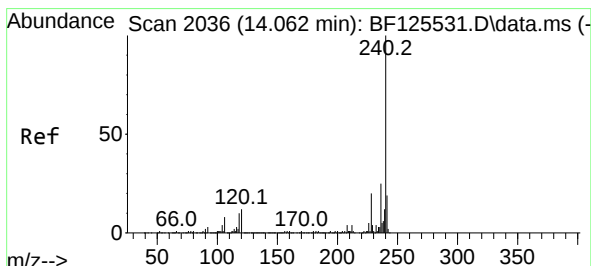
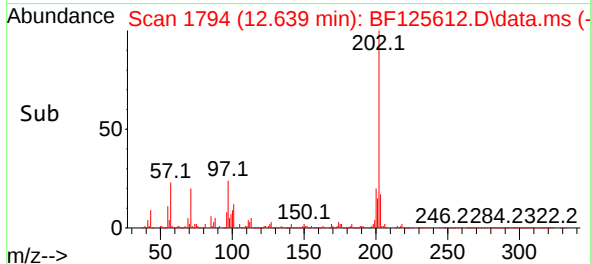
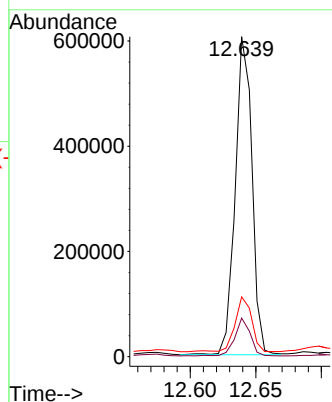
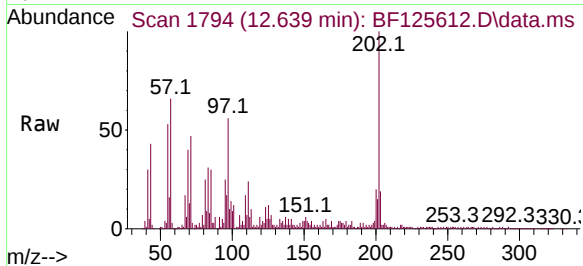




#75
Fluoranthene
Concen: 13.975 ng
RT: 12.639 min Scan# 1794
Delta R.T. 0.006 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

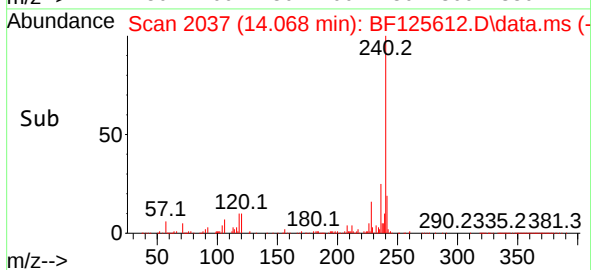
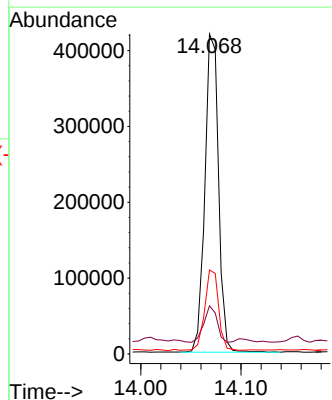
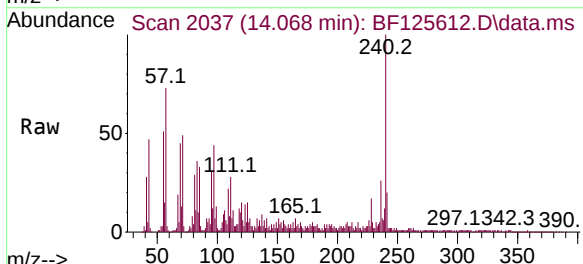
Instrument :
BNA_F
ClientSampleId :
TB-CONCRETE

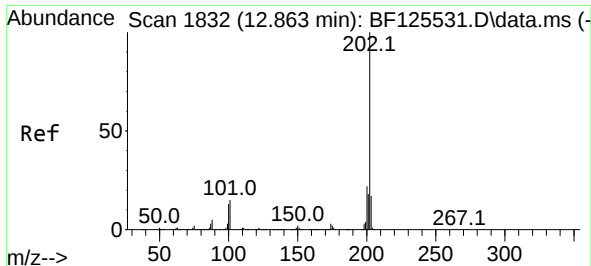
Tgt Ion:202 Resp: 540011
Ion Ratio Lower Upper
202 100
101 12.1 0.0 30.7
203 18.7 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.006 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

Tgt Ion:240 Resp: 399472
Ion Ratio Lower Upper
240 100
120 15.1 10.8 16.2
236 26.3 21.6 32.4

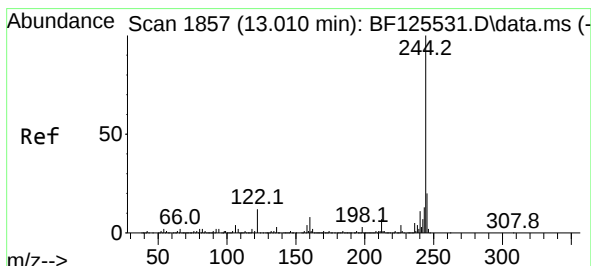
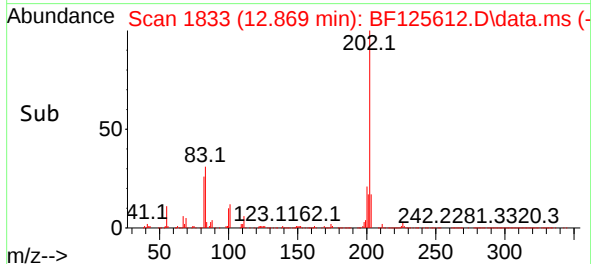
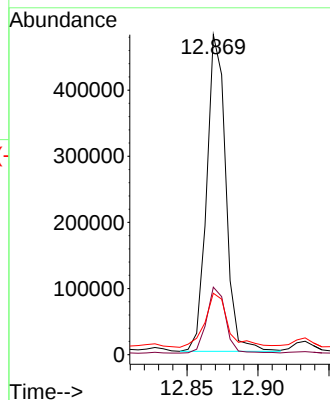
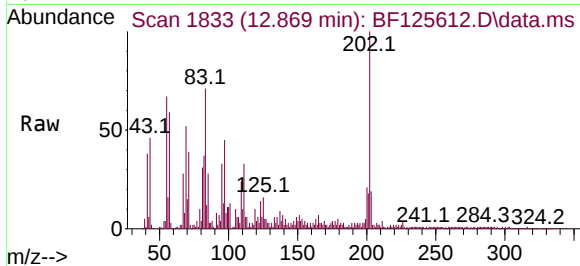




#78
Pyrene
Concen: 11.953 ng
RT: 12.869 min Scan# 1833
Delta R.T. 0.006 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

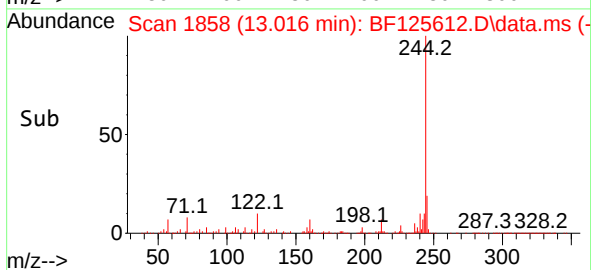
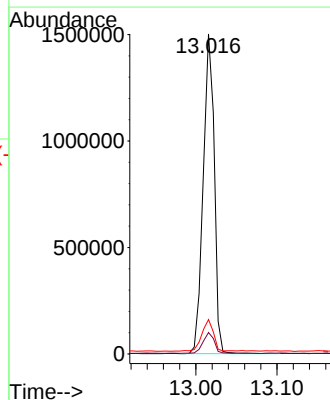
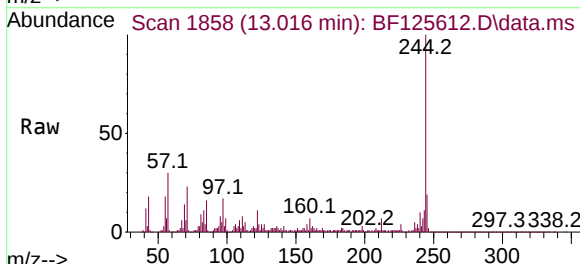
Instrument :
BNA_F
ClientSampleId :
TB-CONCRETE

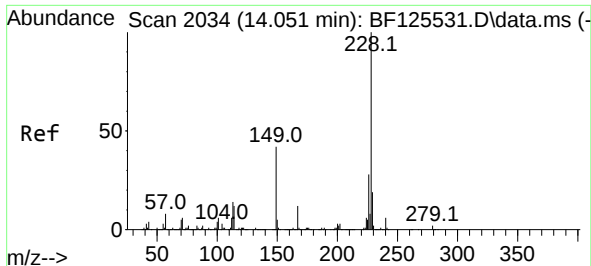
Tgt Ion:202	Resp:	447482
Ion Ratio	Lower	Upper
202	100	
200	21.1	15.3 22.9
203	19.2	13.4 20.0



#79
Terphenyl-d14
Concen: 57.400 ng
RT: 13.016 min Scan# 1858
Delta R.T. 0.006 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

Tgt Ion:244	Resp:	1419956
Ion Ratio	Lower	Upper
244	100	
212	6.7	5.9 8.9
122	10.8	9.0 13.4

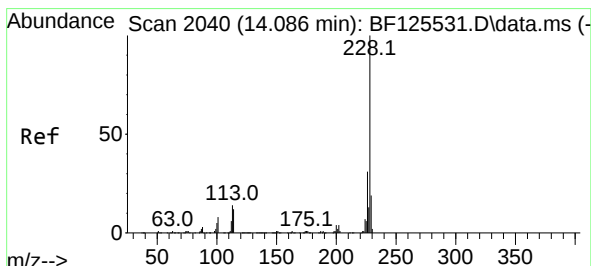
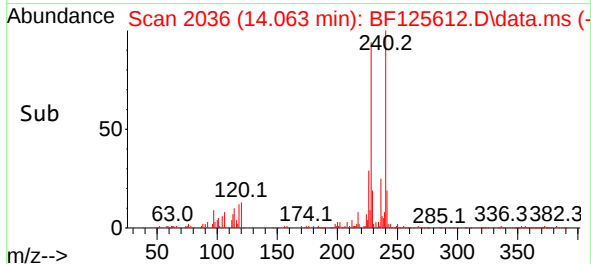
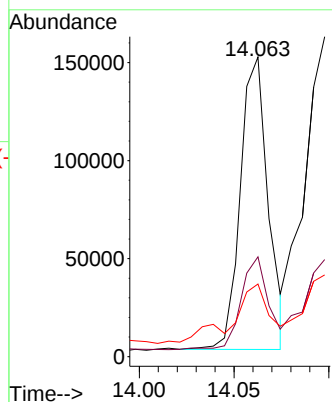
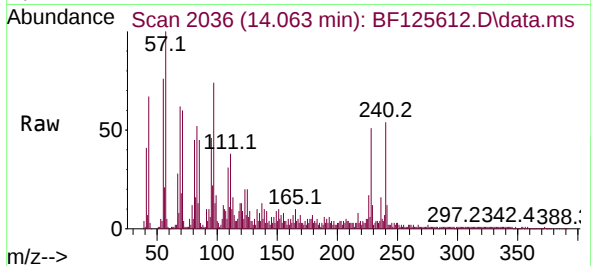




#81
Benzo(a)anthracene
Concen: 5.587 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.012 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

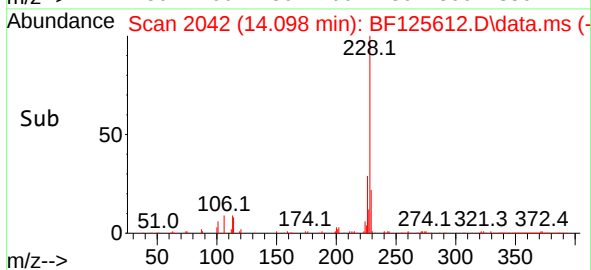
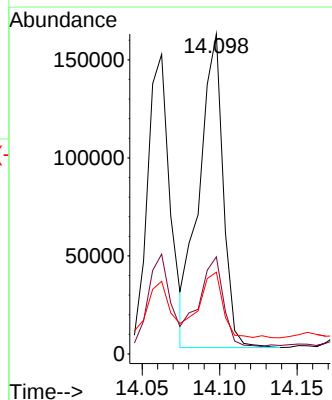
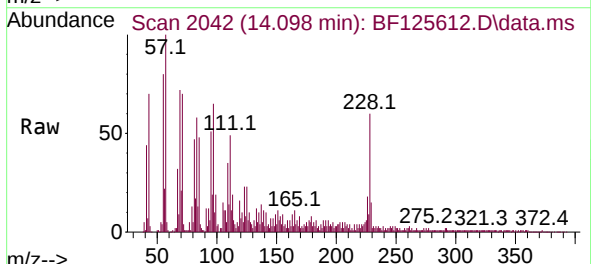
Instrument :
BNA_F
ClientSampleId :
TB-CONCRETE

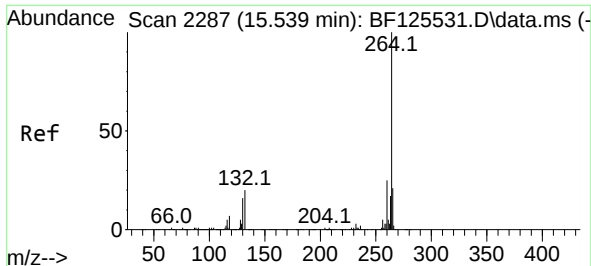
Tgt Ion:228 Resp: 151931
Ion Ratio Lower Upper
228 100
226 33.3 21.6 32.4#
229 24.3 15.6 23.4#



#83
Chrysene
Concen: 6.255 ng
RT: 14.098 min Scan# 2042
Delta R.T. 0.012 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

Tgt Ion:228 Resp: 171832
Ion Ratio Lower Upper
228 100
226 30.4 22.6 34.0
229 25.6 15.9 23.9#

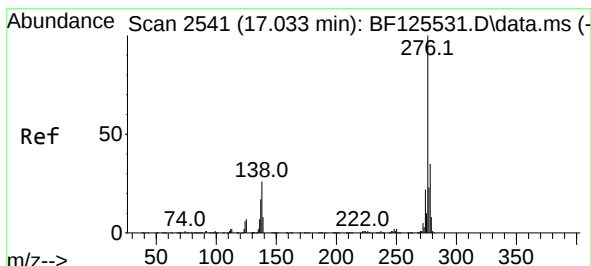
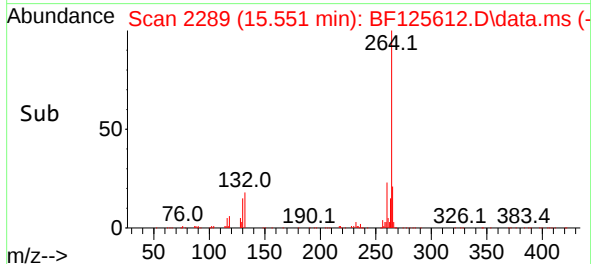
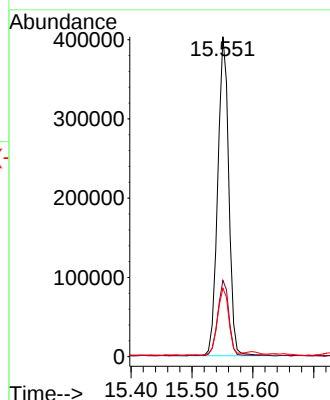
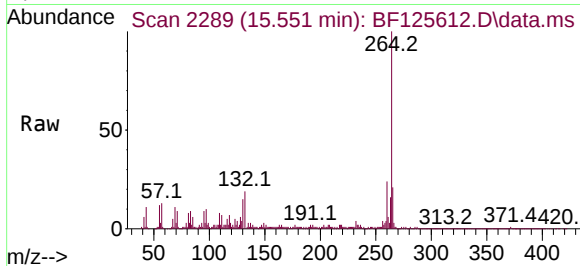




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.012 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

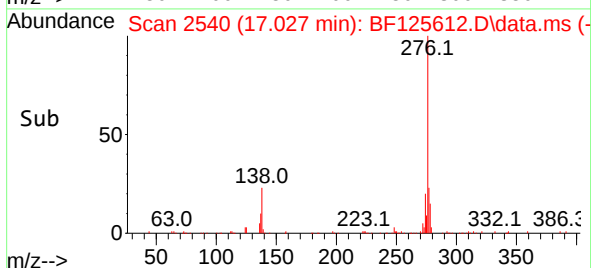
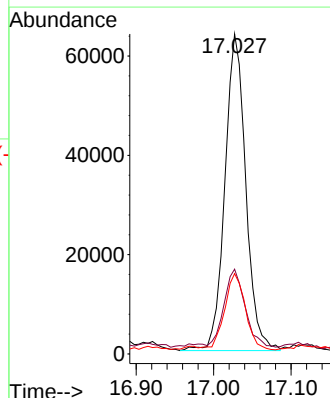
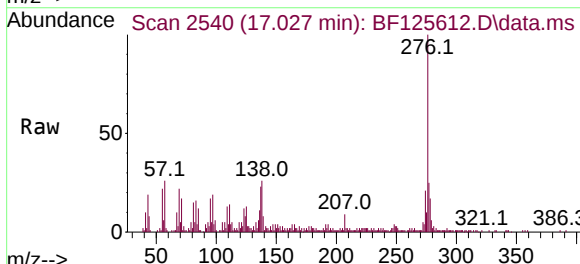
Instrument :
BNA_F
ClientSampleId :
TB-CONCRETE

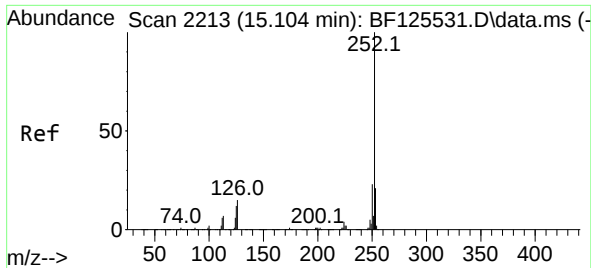
Tgt Ion:	264	Resp:	505220
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.6	29.4
265	21.4	17.2	25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.305 ng
RT: 17.027 min Scan# 2540
Delta R.T. -0.006 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

Tgt Ion:	276	Resp:	119866
Ion Ratio	Lower	Upper	
276	100		
138	25.0	24.1	36.1
277	23.8	18.8	28.2

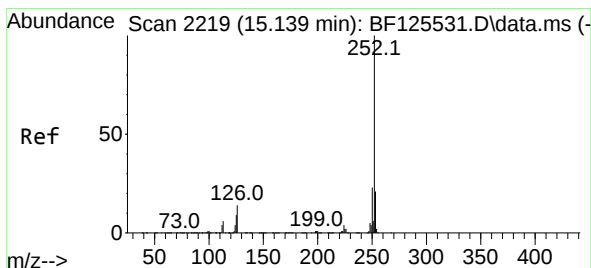
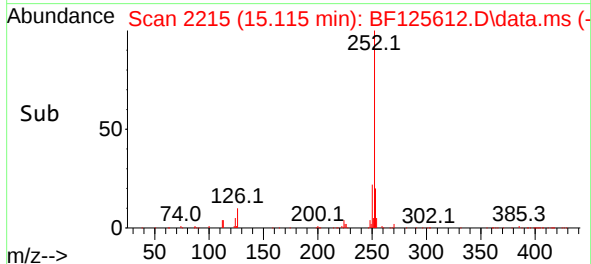
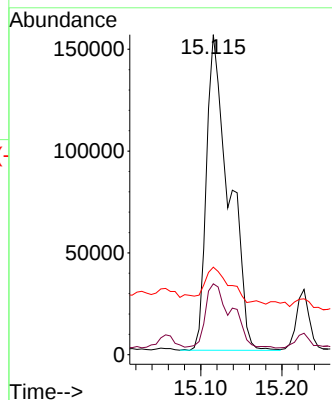
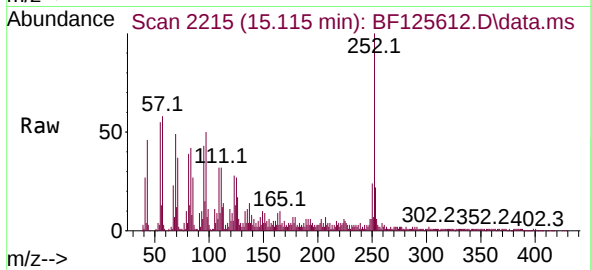




#88
Benzo(b)fluoranthene
Concen: 8.150 ng
RT: 15.115 min Scan# 2215
Delta R.T. 0.012 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

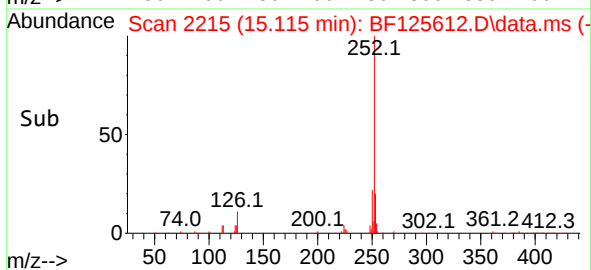
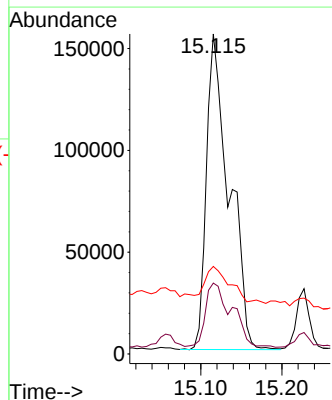
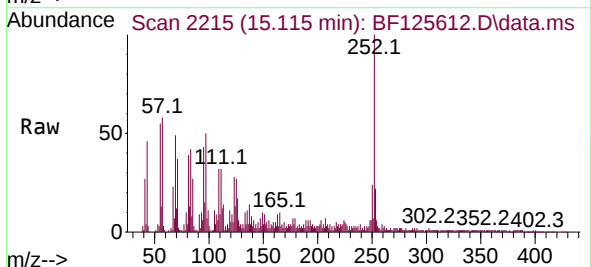
Instrument :
BNA_F
ClientSampleId :
TB-CONCRETE

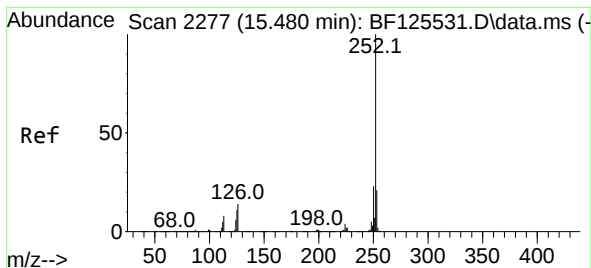
Tgt Ion:252 Resp: 301142
Ion Ratio Lower Upper
252 100
253 22.1 16.8 25.2
125 27.4 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 8.912 ng
RT: 15.115 min Scan# 2215
Delta R.T. -0.023 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

Tgt Ion:252 Resp: 301142
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 27.4 7.2 10.8#

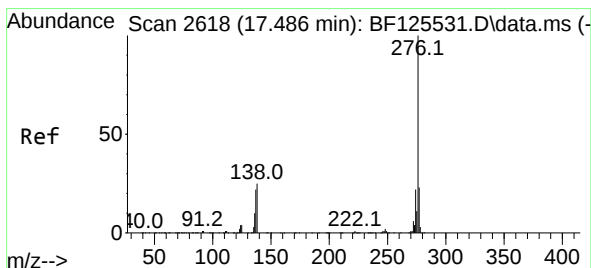
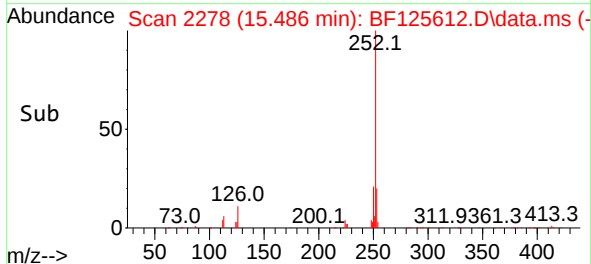
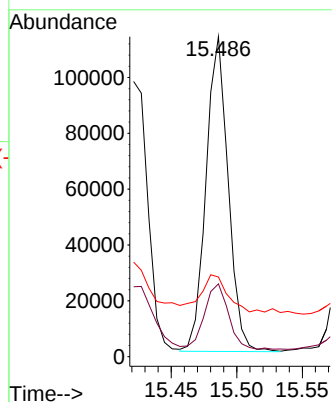
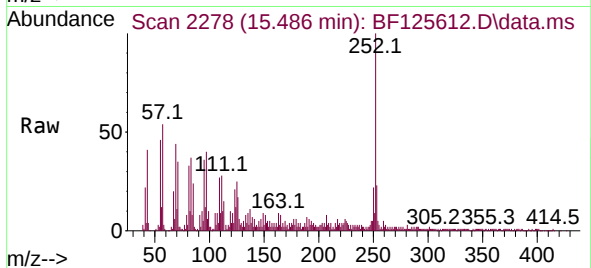




#90
Benzo(a)pyrene
Concen: 4.123 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.006 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

Instrument :
BNA_F
ClientSampleId :
TB-CONCRETE

Tgt Ion:252 Resp: 132588
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 24.9 9.9 14.9#



#92
Benzo(g,h,i)perylene
Concen: 4.120 ng
RT: 17.474 min Scan# 2616
Delta R.T. -0.012 min
Lab File: BF125612.D
Acq: 24 Sep 2021 2:04

Tgt Ion:276 Resp: 124982
Ion Ratio Lower Upper
276 100
277 23.6 22.0 33.0
138 25.9 22.2 33.4

