

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082421\
 Data File : BF125198.D
 Acq On : 24 Aug 2021 22:16
 Operator : JU/CG
 Sample : M3513-01DL 4X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-082121DL

Quant Time: Aug 25 04:38:52 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 24 12:39:21 2021
 Response via : Initial Calibration

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

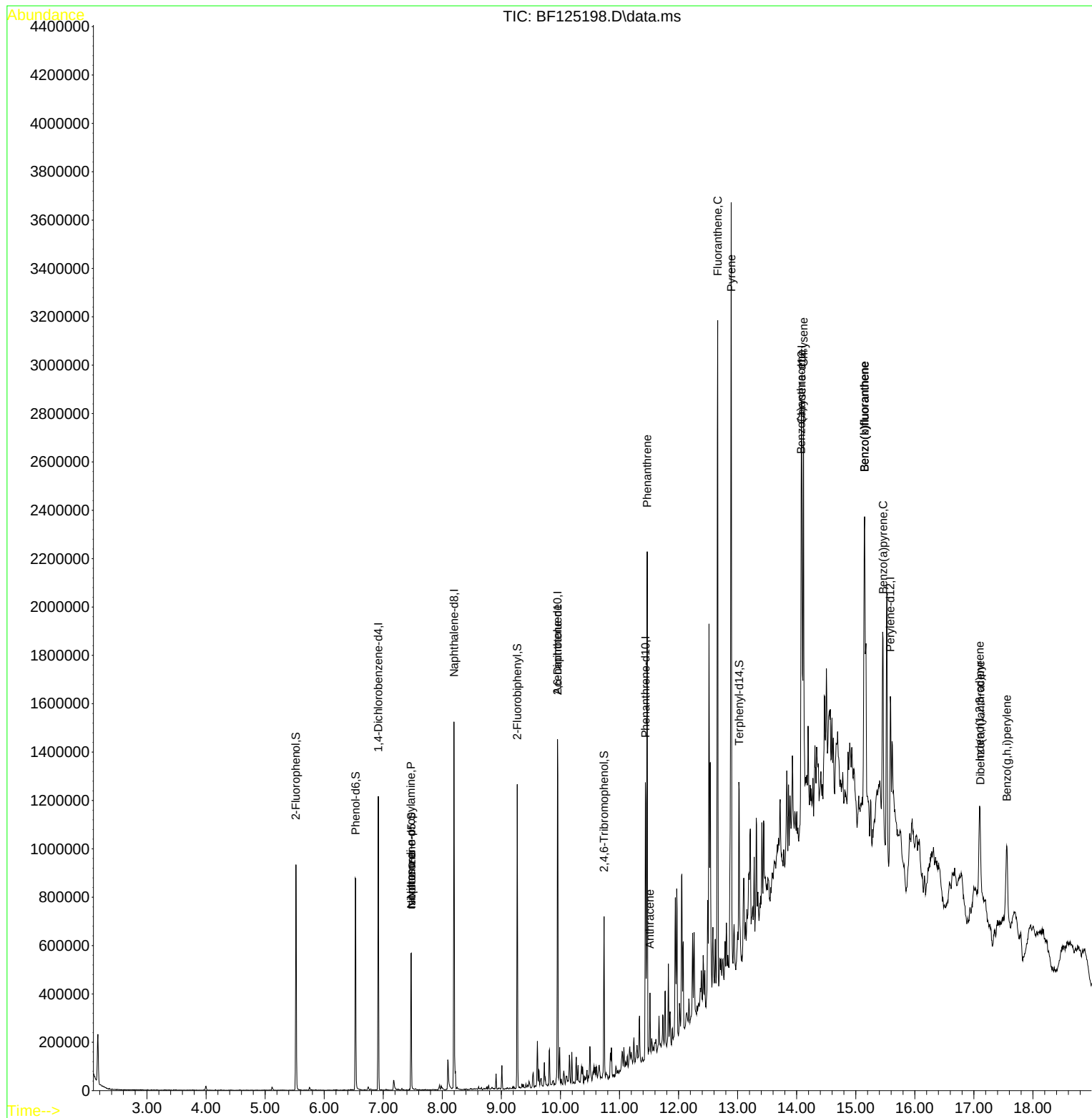
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	152020	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	580237	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	289988	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	442896	20.000	ng	0.00
76) Chrysene-d12	14.086	240	331931	20.000	ng	# 0.00
86) Perylene-d12	15.586	264	321465	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	213477	21.255	ng	0.00
7) Phenol-d6	6.534	99	266274	20.499	ng	0.00
23) Nitrobenzene-d5	7.475	82	169454	14.703	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	62868	21.718	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	325801	15.659	ng	0.00
79) Terphenyl-d14	13.027	244	261713	12.561	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.469	70	22204	2.842	ng	# 62
25) Isophorone	7.475	82	169482	7.623	ng	# 59
51) 2,6-Dinitrotoluene	9.951	165	38798	8.904	ng	# 28
71) Phenanthrene	11.469	178	707354	28.985	ng	98
72) Anthracene	11.516	178	88712	3.688	ng	98
75) Fluoranthene	12.663	202	1120943	46.292	ng	96
78) Pyrene	12.892	202	1310034	46.010	ng	96
81) Benzo(a)anthracene	14.074	228	607480	25.401	ng	96
83) Chrysene	14.115	228	633544	26.786	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	281162	12.141	ng	# 88
88) Benzo(b)fluoranthene	15.151	252	1045155	44.502	ng	96
89) Benzo(k)fluoranthene	15.151	252	1045155	47.690	ng	# 97
90) Benzo(a)pyrene	15.462	252	424822	20.478	ng	98
91) Dibenzo(a,h)anthracene	17.109	278	63567	3.175	ng	# 89
92) Benzo(g,h,i)perylene	17.556	276	283620	14.694	ng	# 89

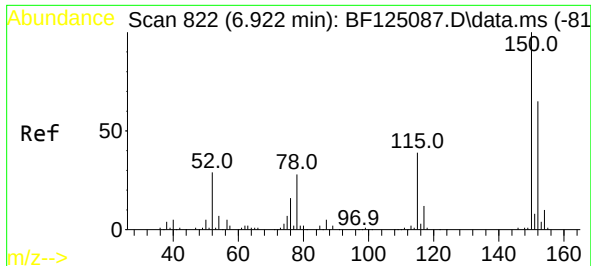
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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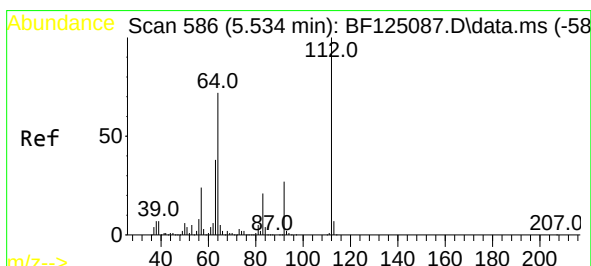
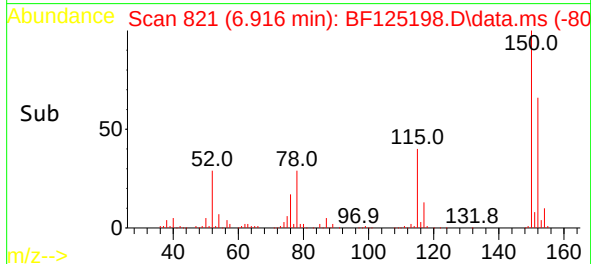
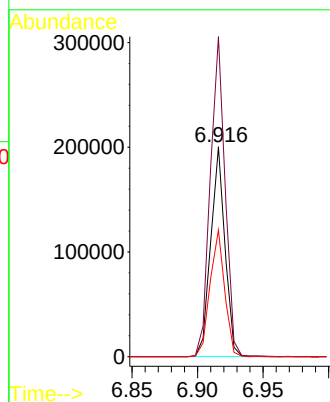
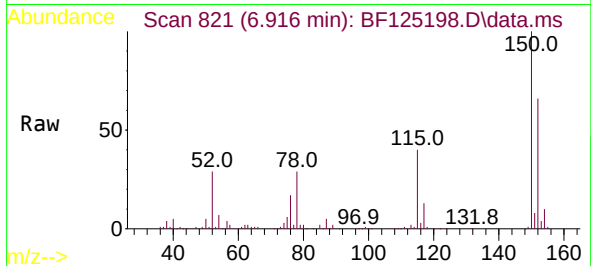




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

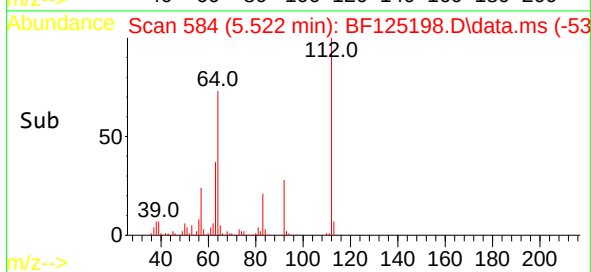
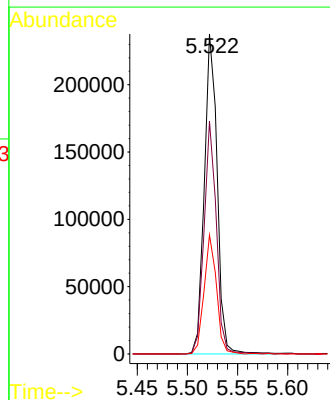
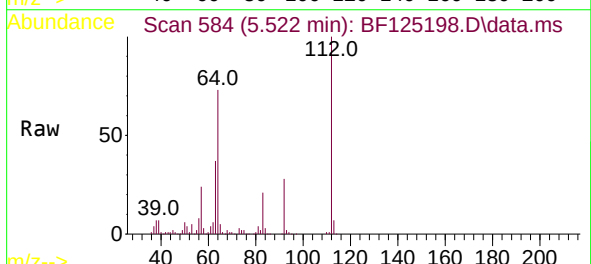
Instrument :
BNA_F
ClientSampleId :
TR-04-082121DL

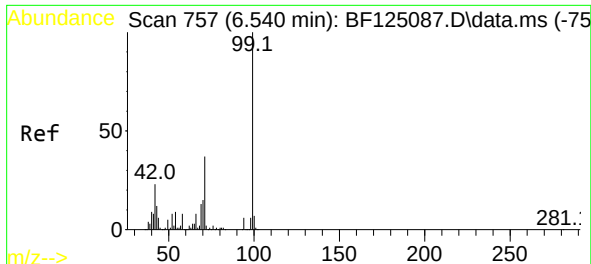
Tgt Ion:152 Resp: 152020
Ion Ratio Lower Upper
152 100
150 152.5 117.6 176.4
115 60.4 47.1 70.7



#5
2-Fluorophenol
Concen: 21.255 ng
RT: 5.522 min Scan# 584
Delta R.T. -0.006 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

Tgt Ion:112 Resp: 213477
Ion Ratio Lower Upper
112 100
64 72.8 44.2 66.2#
63 37.2 26.2 39.2

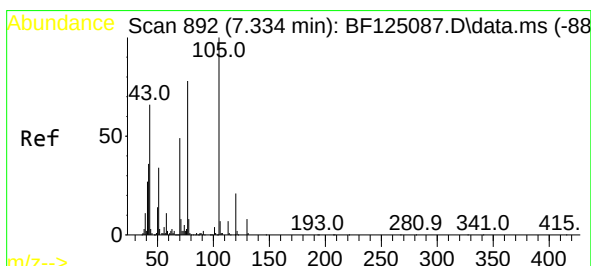
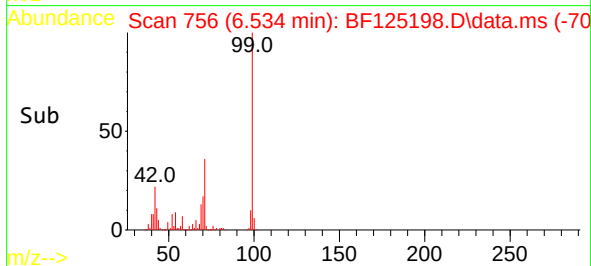
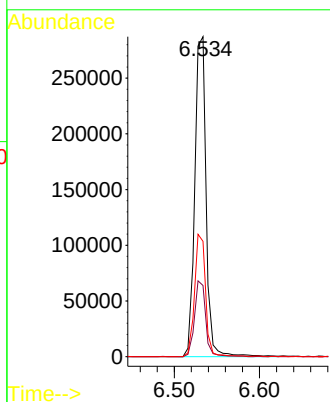
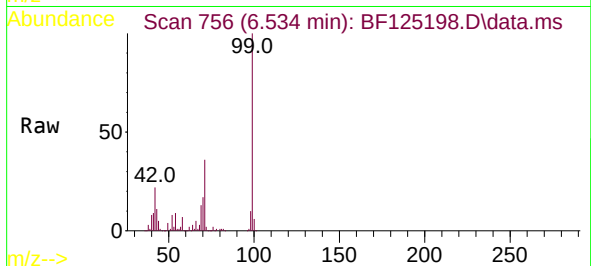




#7
Phenol-d6
Concen: 20.499 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

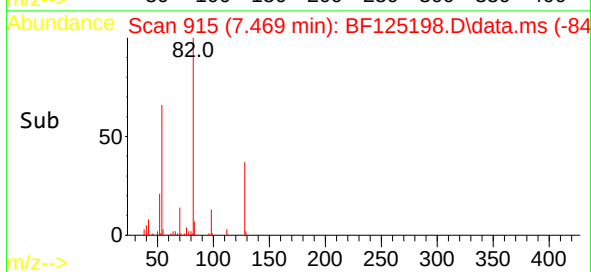
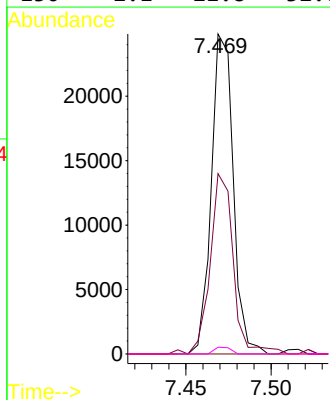
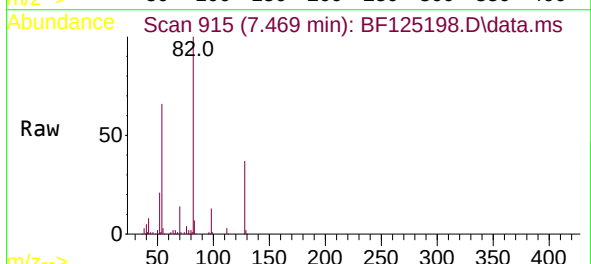
Instrument :
BNA_F
ClientSampleId :
TR-04-082121DL

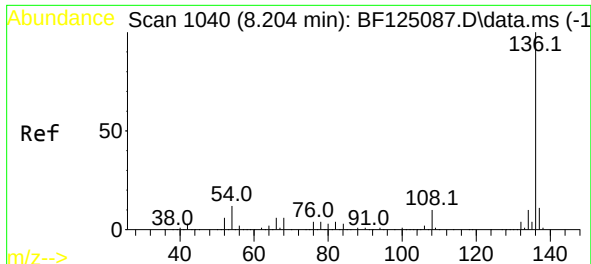
Tgt Ion: 99 Resp: 266274
Ion Ratio Lower Upper
99 100
42 22.3 23.5 35.3#
71 36.1 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.842 ng
RT: 7.469 min Scan# 915
Delta R.T. 0.141 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

Tgt Ion: 70 Resp: 22204
Ion Ratio Lower Upper
70 100
42 56.3 72.2 108.2#
101 0.0 7.8 11.8#
130 2.1 21.8 32.6#

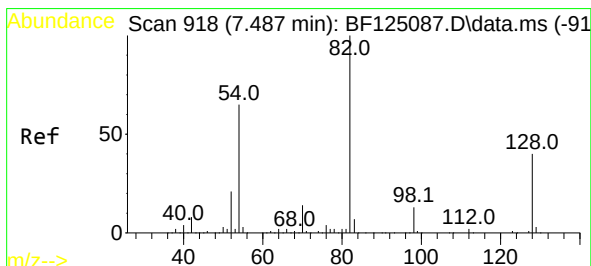
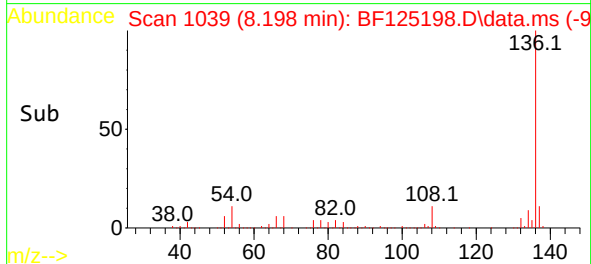
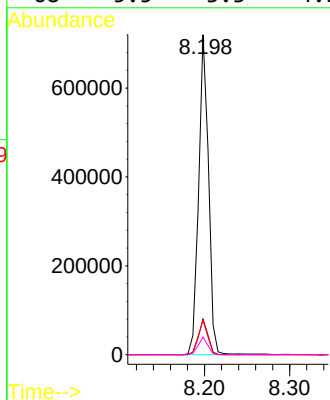
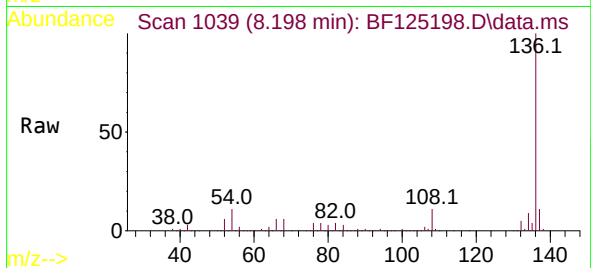




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

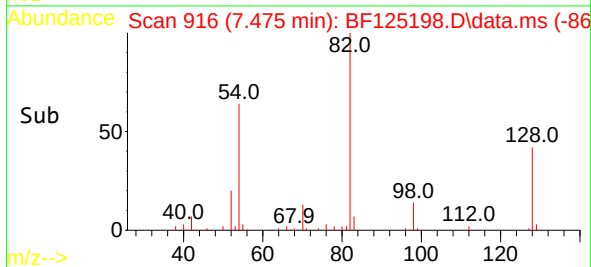
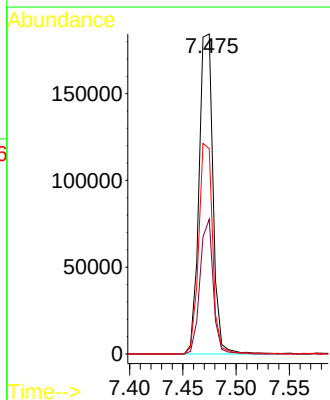
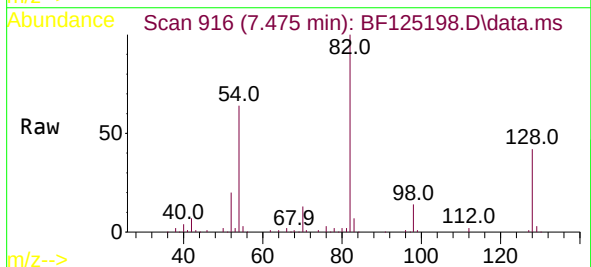
Instrument :
BNA_F
ClientSampleId :
TR-04-082121DL

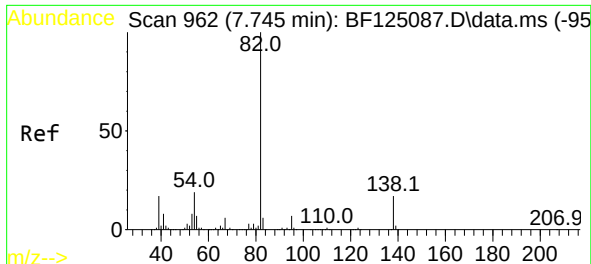
Tgt Ion:	136	Resp:	580237
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.6
54	10.7	6.4	9.6#
68	5.5	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 14.703 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

Tgt Ion:	82	Resp:	169454
Ion	Ratio	Lower	Upper
82	100		
128	42.1	40.6	60.8
54	64.1	49.6	74.4

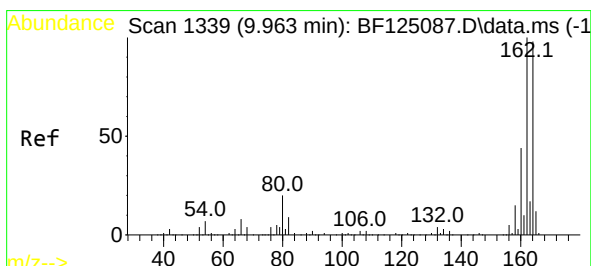
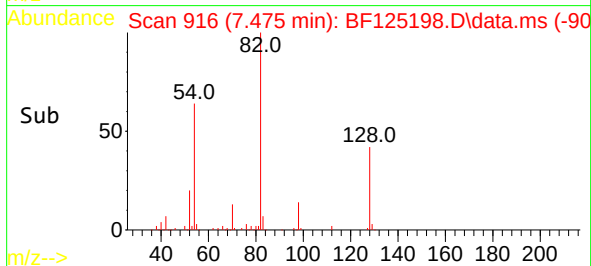
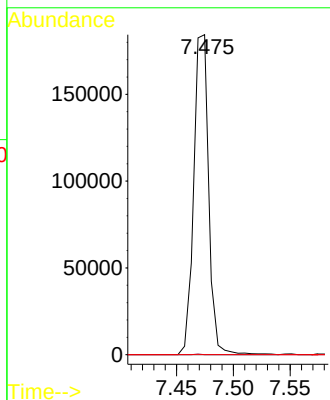
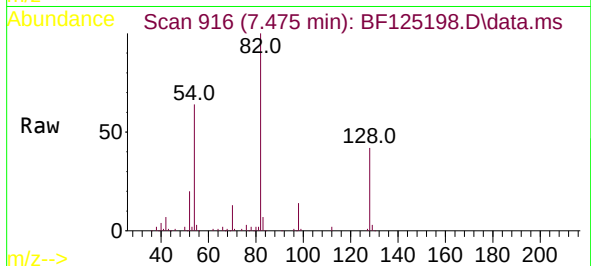




#25
Isophorone
Concen: 7.623 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.259 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

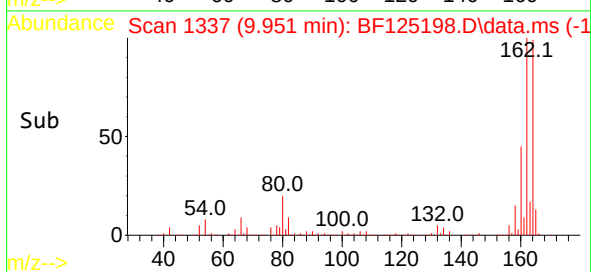
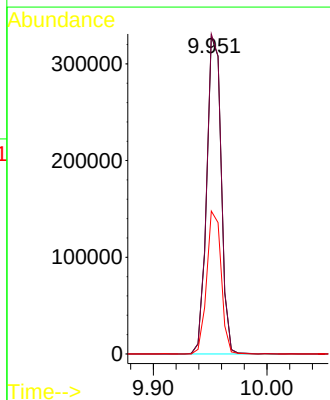
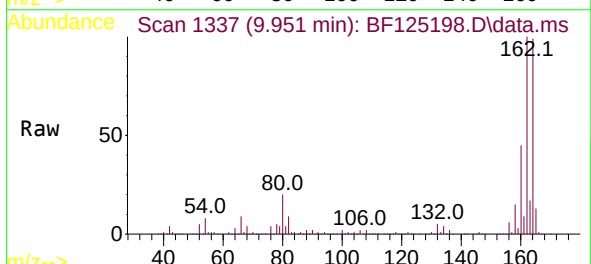
Instrument :
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ClientSampleId :
TR-04-082121DL

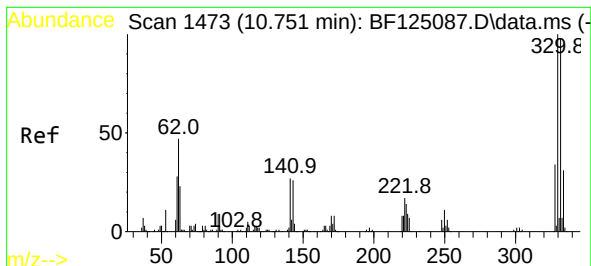
Tgt Ion: 82 Resp: 169482
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

Tgt Ion:164 Resp: 289988
Ion Ratio Lower Upper
164 100
162 100.7 81.3 121.9
160 45.0 38.0 57.0

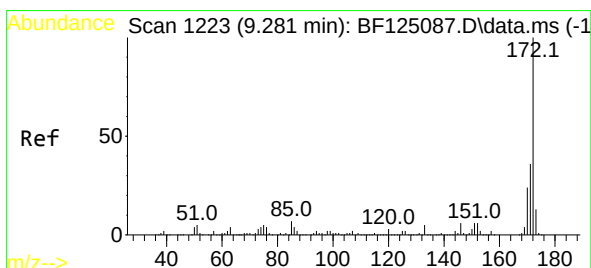
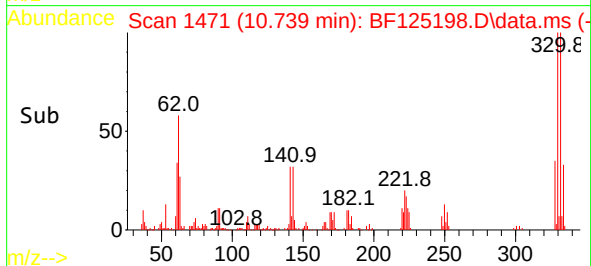
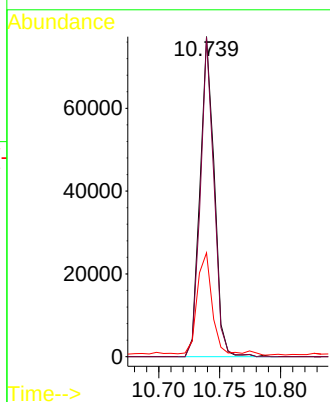
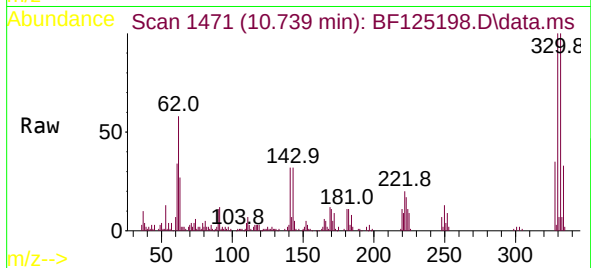




#42
2,4,6-Tribromophenol
Concen: 21.718 ng
RT: 10.739 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

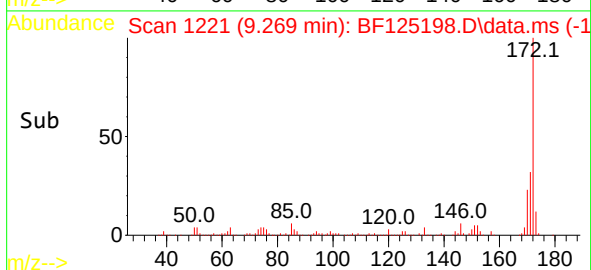
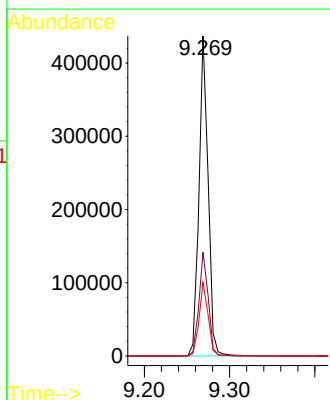
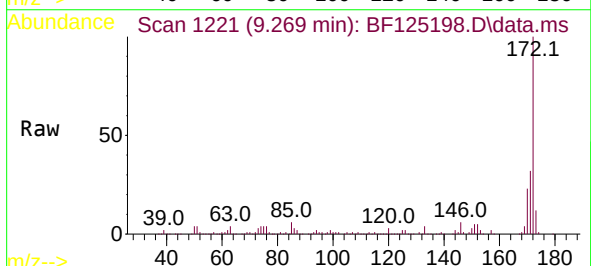
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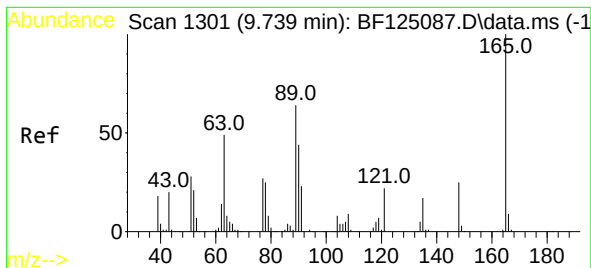
Tgt Ion: 330 Resp: 62868
Ion Ratio Lower Upper
330 100
332 95.1 76.2 114.4
141 32.4 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 15.659 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

Tgt Ion: 172 Resp: 325801
Ion Ratio Lower Upper
172 100
171 32.4 26.5 39.7
170 23.0 18.8 28.2

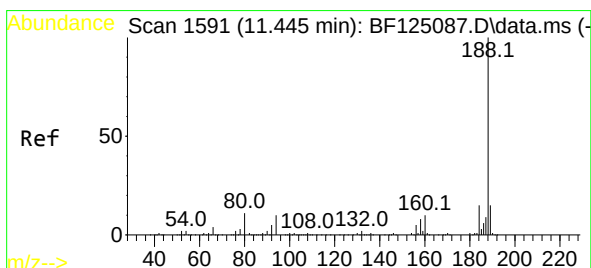
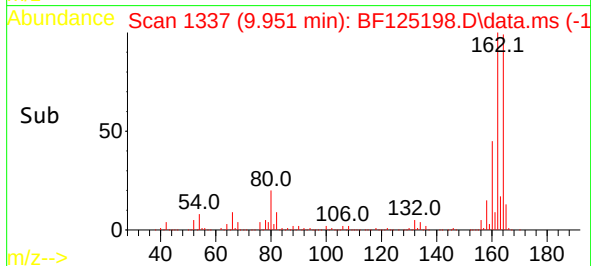
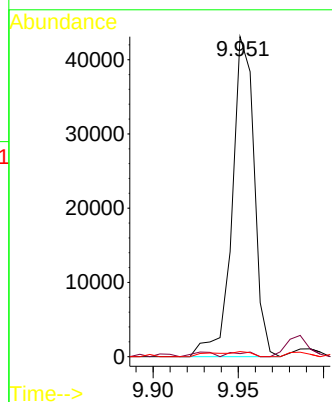
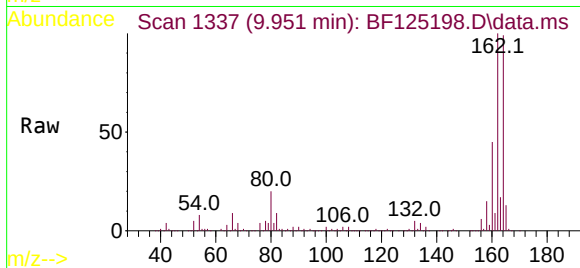




#51
2,6-Dinitrotoluene
Concen: 8.904 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.218 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

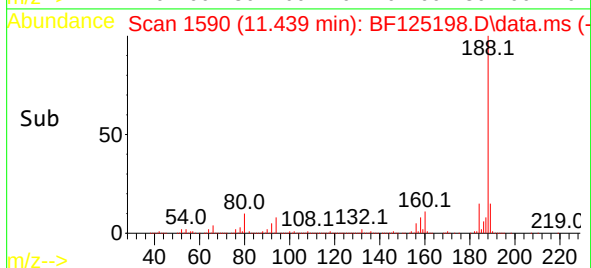
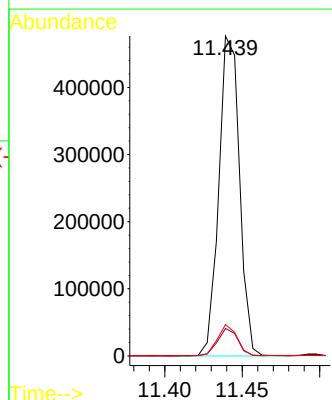
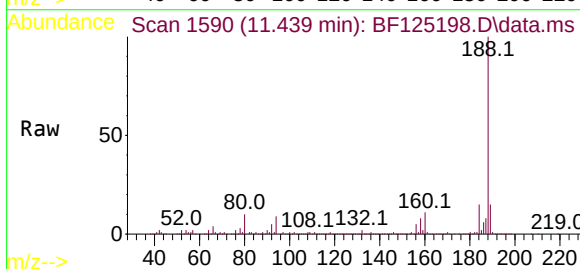
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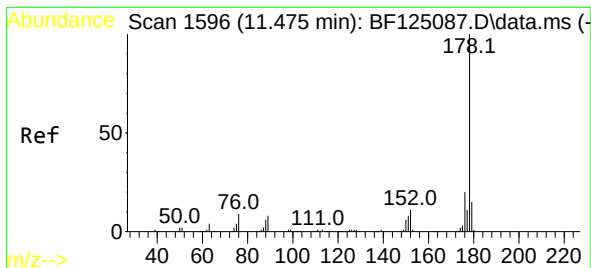
Tgt Ion:165 Resp: 38798
Ion Ratio Lower Upper
165 100
63 1.0 42.6 63.8#
89 1.6 40.6 60.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

Tgt Ion:188 Resp: 442896
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 9.8 7.5 11.3

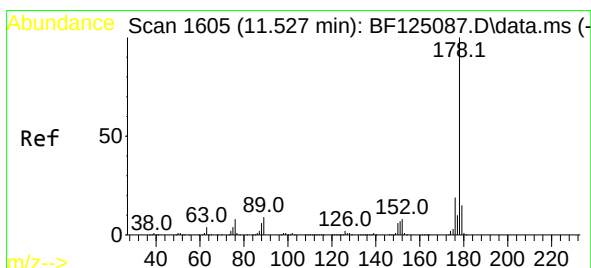
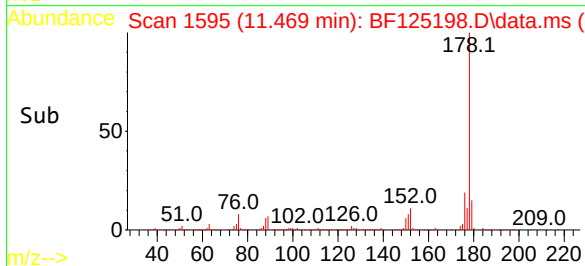
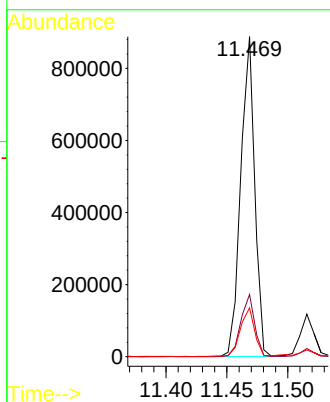
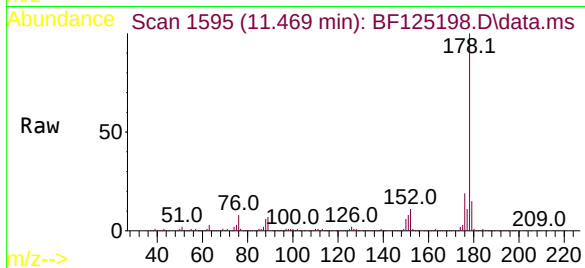




#71
Phenanthrene
Concen: 28.985 ng
RT: 11.469 min Scan# 1595
Delta R.T. 0.006 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

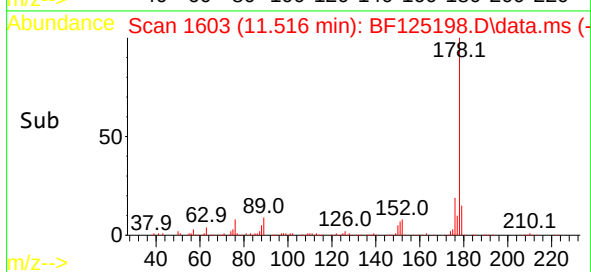
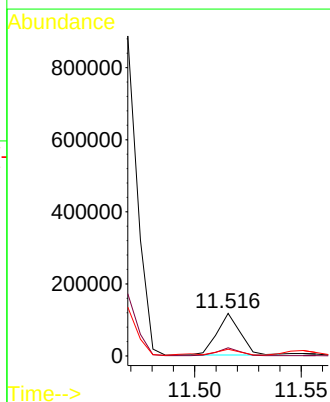
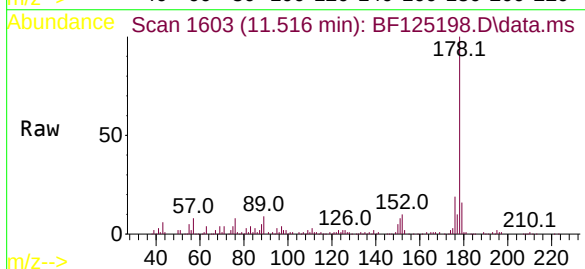
Instrument :
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ClientSampleId :
TR-04-082121DL

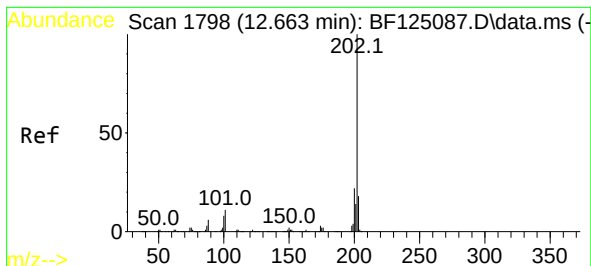
Tgt Ion:178 Resp: 707354
Ion Ratio Lower Upper
178 100
176 19.4 14.7 22.1
179 15.2 11.5 17.3



#72
Anthracene
Concen: 3.688 ng
RT: 11.516 min Scan# 1603
Delta R.T. 0.000 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

Tgt Ion:178 Resp: 88712
Ion Ratio Lower Upper
178 100
176 19.0 14.3 21.5
179 16.0 12.2 18.4

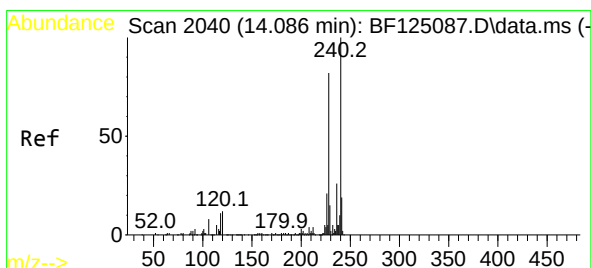
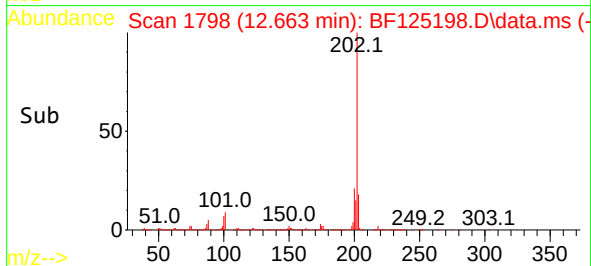
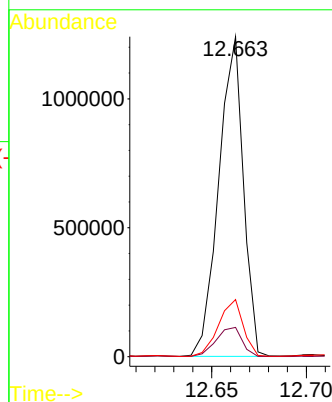
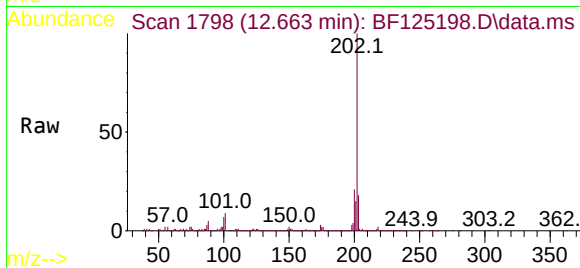




#75
Fluoranthene
Concen: 46.292 ng
RT: 12.663 min Scan# 1798
Delta R.T. 0.012 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

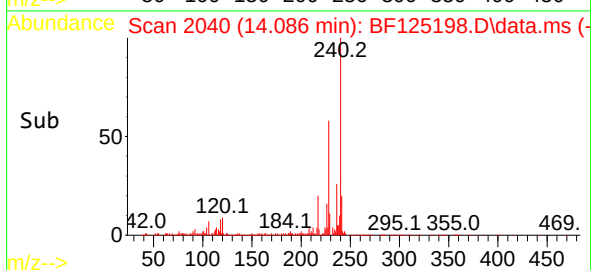
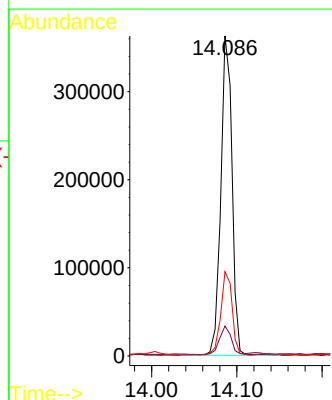
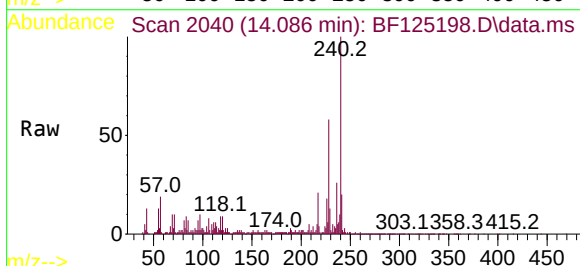
Instrument :
BNA_F
ClientSampleId :
TR-04-082121DL

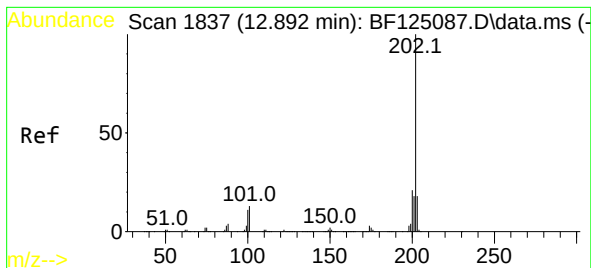
Tgt Ion:202 Resp: 1120943
Ion Ratio Lower Upper
202 100
101 9.1 0.0 30.7
203 17.8 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2040
Delta R.T. 0.006 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

Tgt Ion:240 Resp: 331931
Ion Ratio Lower Upper
240 100
120 9.4 10.8 16.2#
236 26.3 21.6 32.4





#78

Pyrene

Concen: 46.010 ng

RT: 12.892 min Scan# 1837

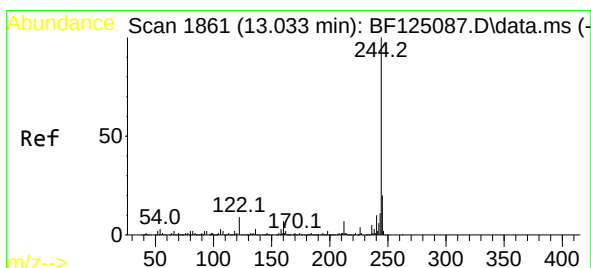
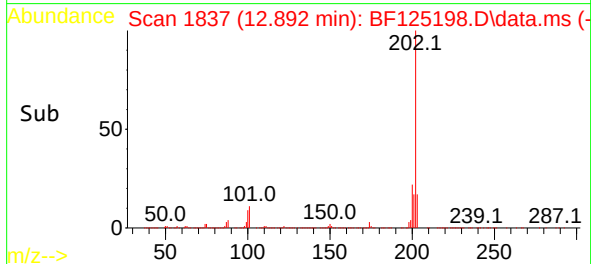
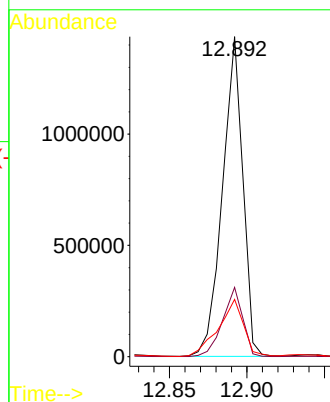
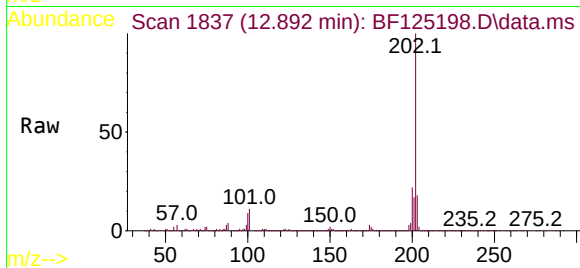
Delta R.T. 0.006 min

Lab File: BF125198.D

Acq: 24 Aug 2021 22:16

Tgt Ion:202 Resp: 1310034

Ion	Ratio	Lower	Upper
202	100		
200	21.7	15.3	22.9
203	17.9	13.4	20.0



#79

Terphenyl-d14

Concen: 12.561 ng

RT: 13.027 min Scan# 1860

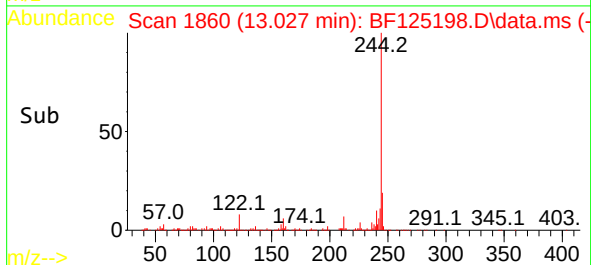
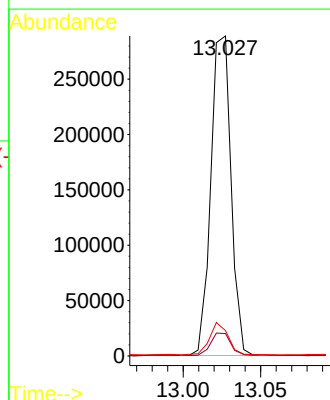
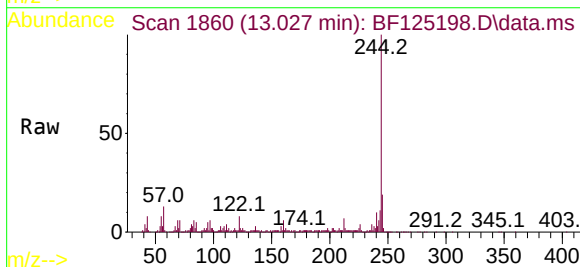
Delta R.T. 0.006 min

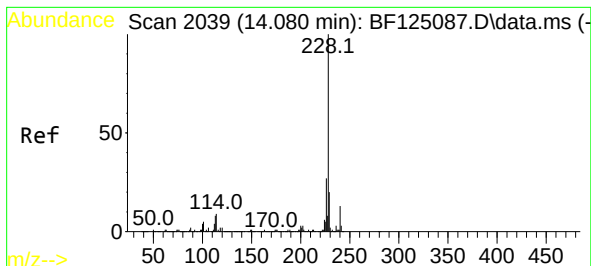
Lab File: BF125198.D

Acq: 24 Aug 2021 22:16

Tgt Ion:244 Resp: 261713

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	8.0	9.0	13.4#

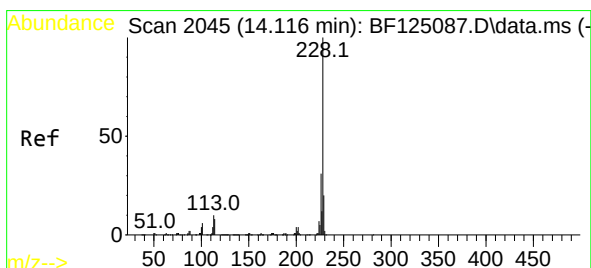
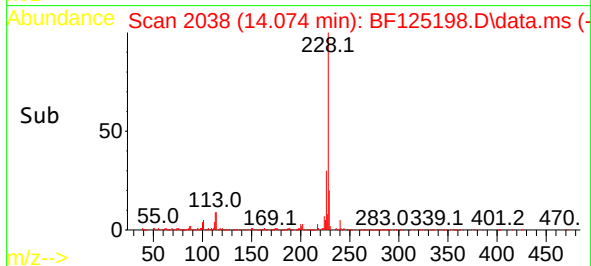
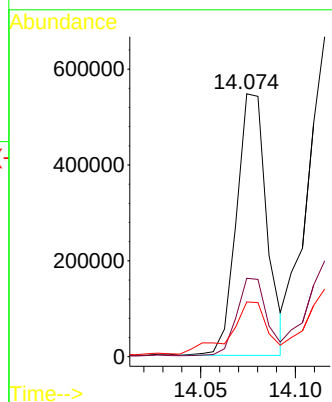
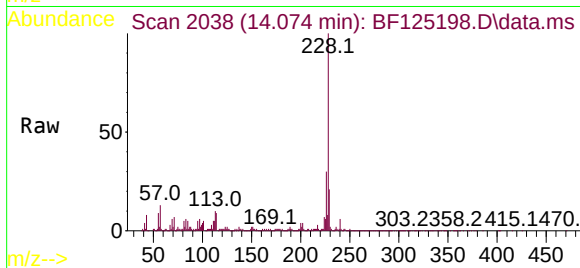




#81
Benzo(a)anthracene
Concen: 25.401 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

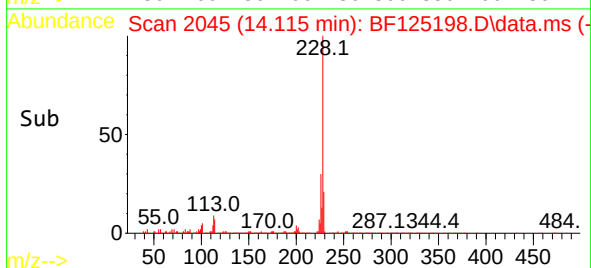
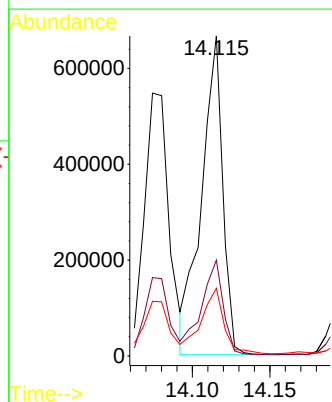
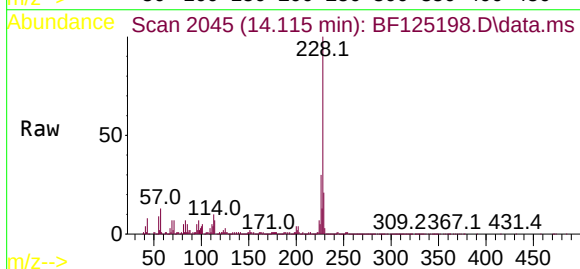
Instrument :
BNA_F
ClientSampleId :
TR-04-082121DL

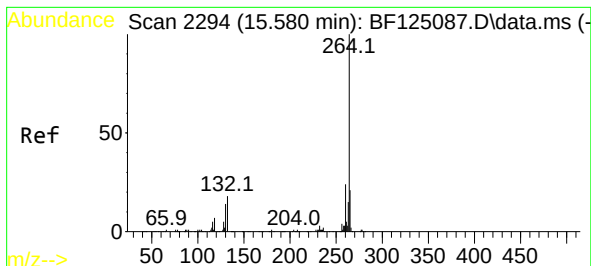
Tgt Ion:228 Resp: 607480
Ion Ratio Lower Upper
228 100
226 29.8 21.6 32.4
229 20.8 15.6 23.4



#83
Chrysene
Concen: 26.786 ng
RT: 14.115 min Scan# 2045
Delta R.T. 0.006 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

Tgt Ion:228 Resp: 633544
Ion Ratio Lower Upper
228 100
226 29.9 22.6 34.0
229 21.1 15.9 23.9

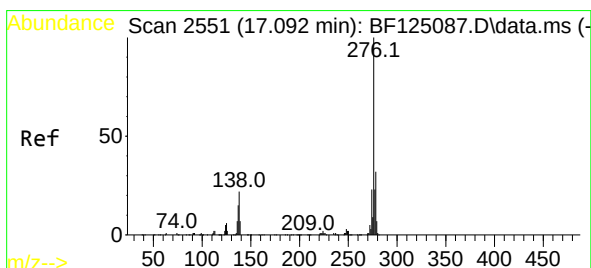
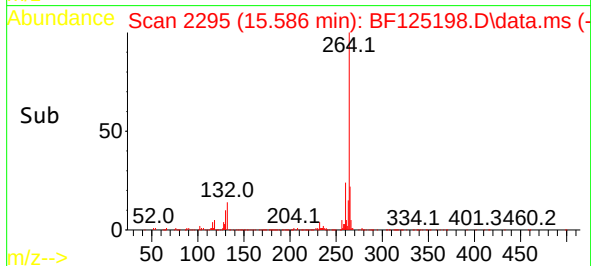
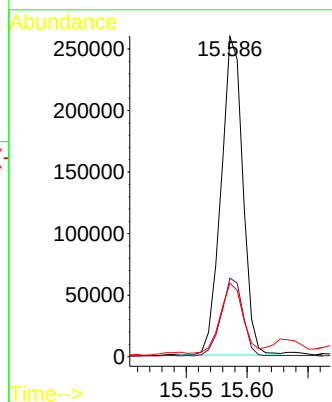
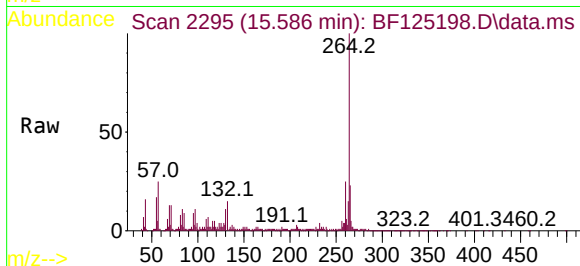




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2295
Delta R.T. 0.012 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

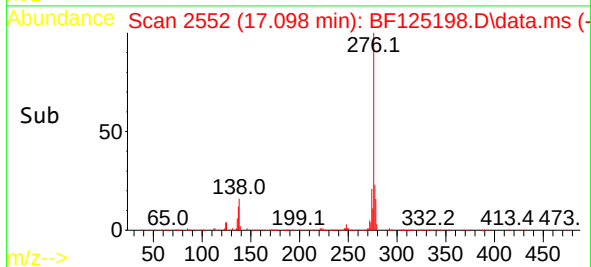
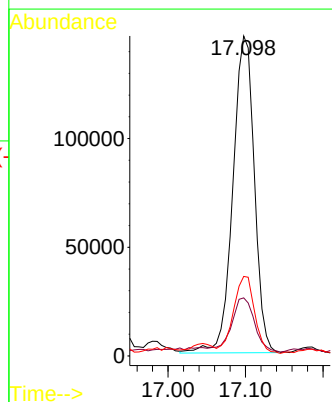
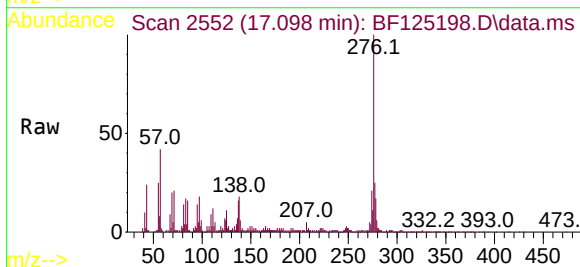
Instrument :
BNA_F
ClientSampleId :
TR-04-082121DL

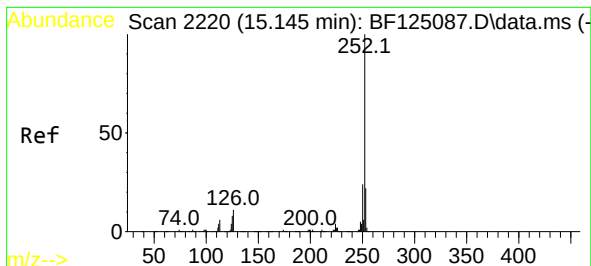
Tgt Ion:264 Resp: 321465
Ion Ratio Lower Upper
264 100
260 24.6 19.6 29.4
265 22.9 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 12.141 ng
RT: 17.098 min Scan# 2552
Delta R.T. 0.006 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

Tgt Ion:276 Resp: 281162
Ion Ratio Lower Upper
276 100
138 18.4 24.1 36.1#
277 23.9 18.8 28.2





#88

Benzo(b)fluoranthene

Concen: 44.502 ng

RT: 15.151 min Scan# 2221

Delta R.T. 0.018 min

Lab File: BF125198.D

Acq: 24 Aug 2021 22:16

Instrument :

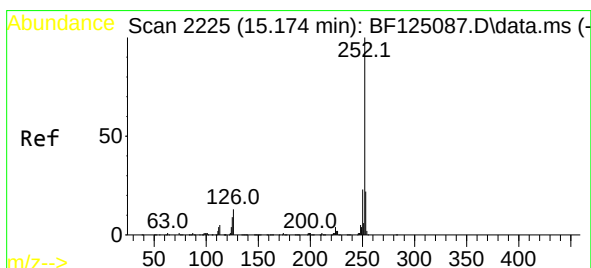
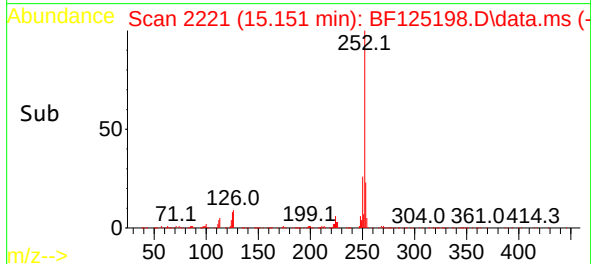
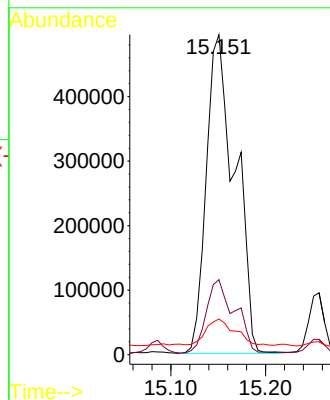
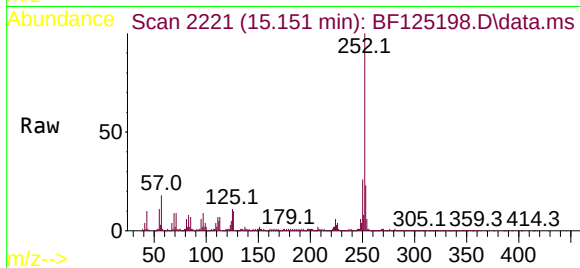
BNA_F

ClientSampleId :

TR-04-082121DL

Tgt Ion:252 Resp: 1045155

Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.8	25.2
125	11.1	9.8	14.8



#89

Benzo(k)fluoranthene

Concen: 47.690 ng

RT: 15.151 min Scan# 2221

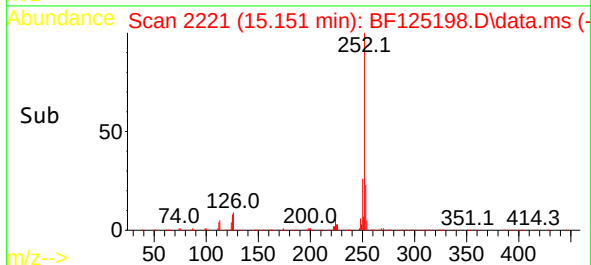
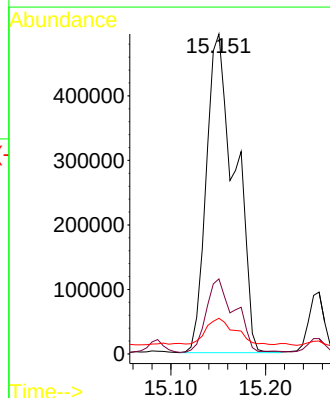
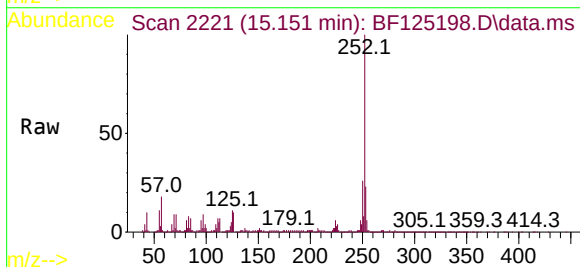
Delta R.T. -0.018 min

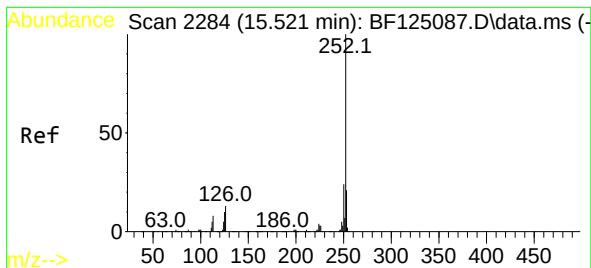
Lab File: BF125198.D

Acq: 24 Aug 2021 22:16

Tgt Ion:252 Resp: 1045155

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	11.1	7.2	10.8#

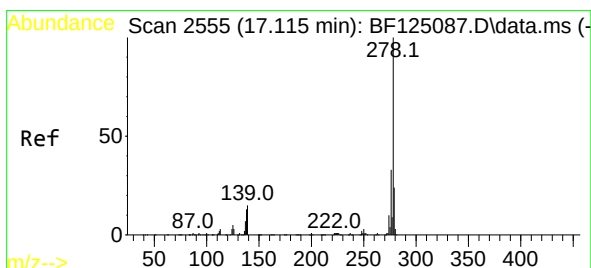
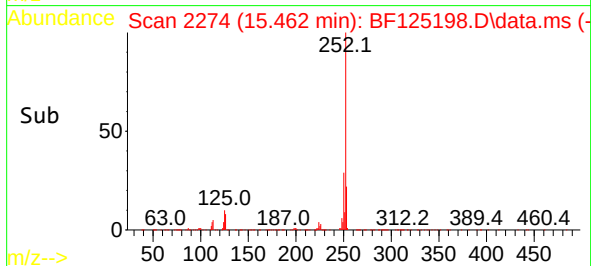
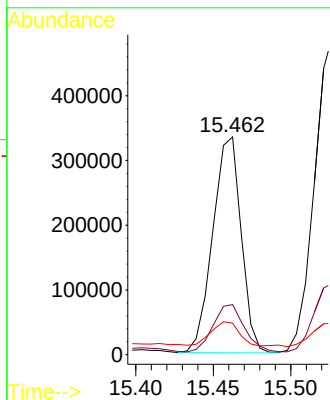
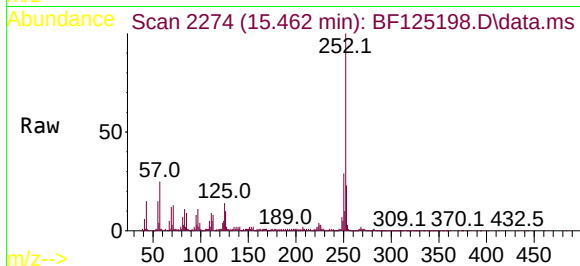




#90
Benzo(a)pyrene
Concen: 20.478 ng
RT: 15.462 min Scan# 2274
Delta R.T. -0.053 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

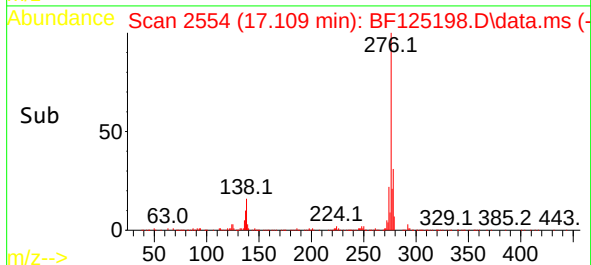
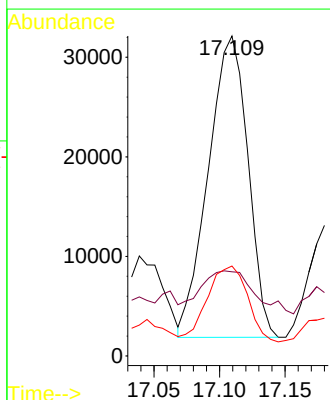
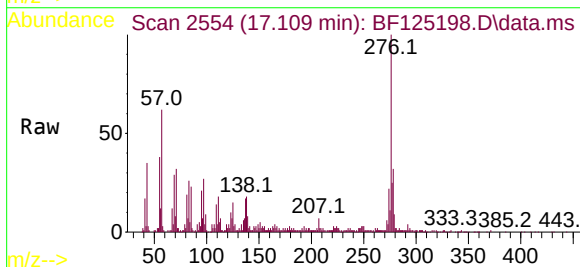
Instrument :
BNA_F
ClientSampleId :
TR-04-082121DL

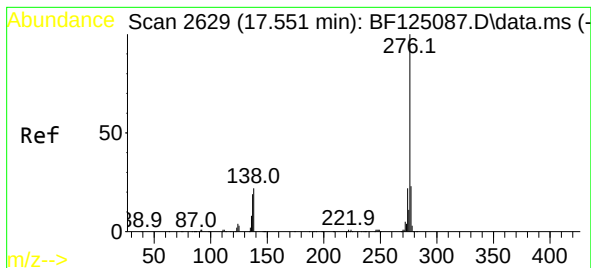
Tgt Ion:252 Resp: 424822
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 14.5 9.9 14.9



#91
Dibenzo(a,h)anthracene
Concen: 3.175 ng
RT: 17.109 min Scan# 2554
Delta R.T. 0.000 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

Tgt Ion:278 Resp: 63567
Ion Ratio Lower Upper
278 100
139 26.3 14.9 22.3#
279 28.1 19.7 29.5





#92

Benzo(g,h,i)perylene

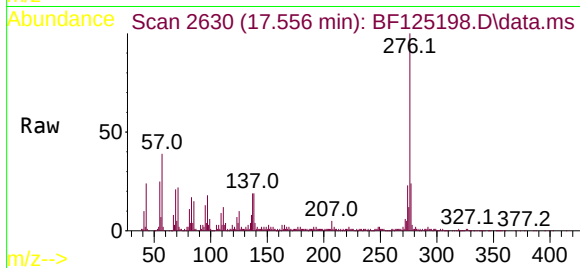
Concen: 14.694 ng

RT: 17.556 min Scan# 2630

Delta R.T. 0.006 min

Lab File: BF125198.D

Acq: 24 Aug 2021 22:16



Tgt Ion: 276 Resp: 283620

Ion Ratio Lower Upper

276 100

277 24.1 22.0 33.0

138 19.4 22.2 33.4#

