

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

Manual Integrations
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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
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	763567m	32.512	ng	
89) Benzo(k)fluoranthene	15.174	252	278621m	12.713	ng	
90) Benzo(a)pyrene	15.527	252	599911m	28.917	ng	
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

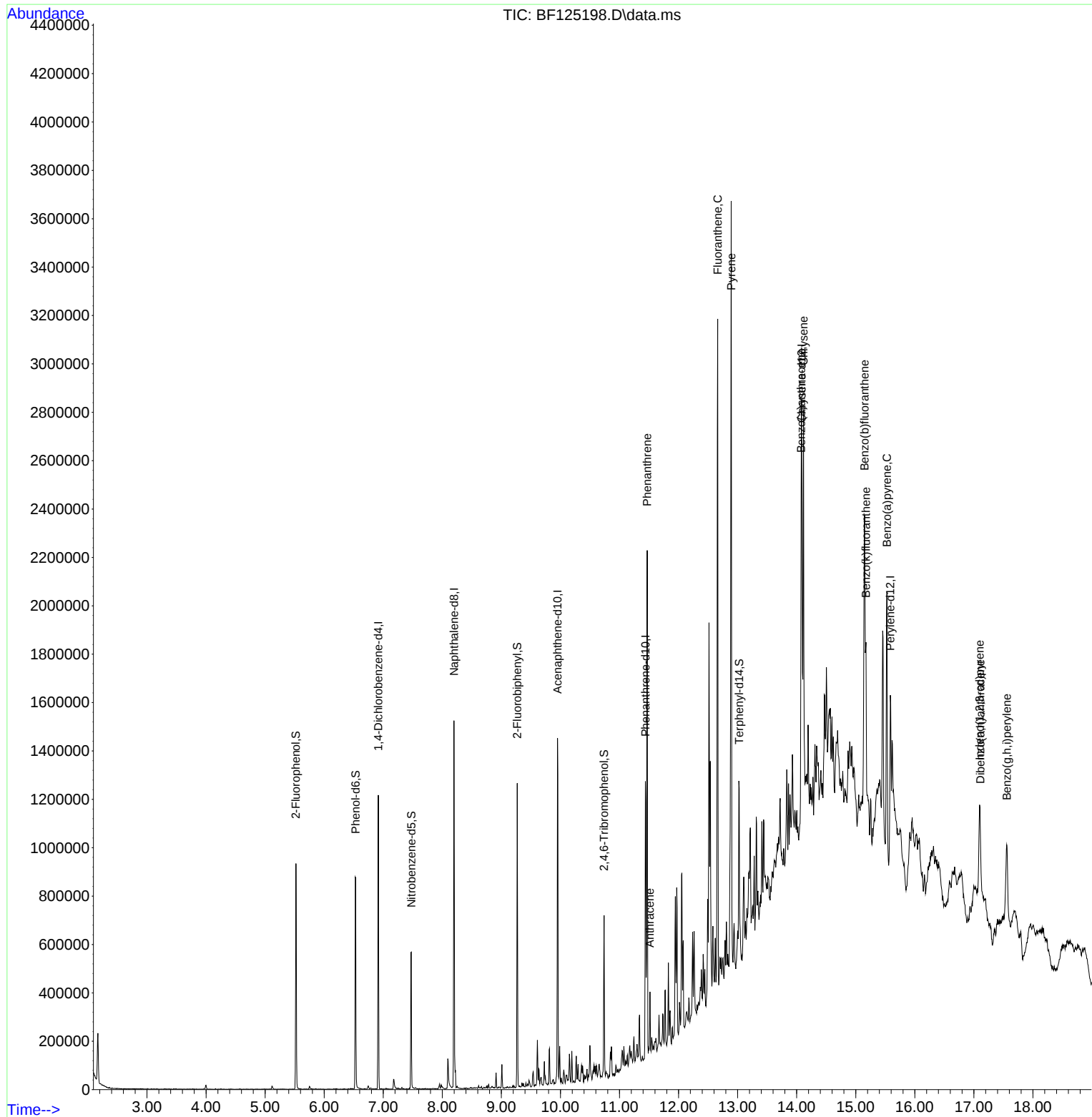
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082421\
Data File : BF125198.D
Acq On : 24 Aug 2021 22:16
Operator : JU/CG
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ALS Vial : 21 Sample Multiplier: 1

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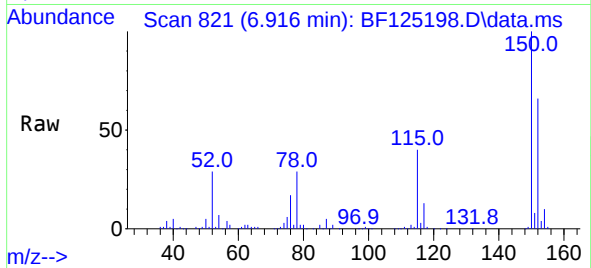
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Quant Time: Aug 25 04:38:52 2021
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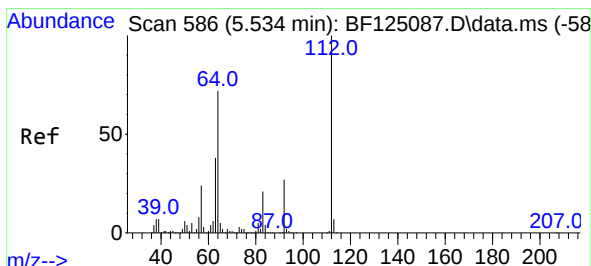
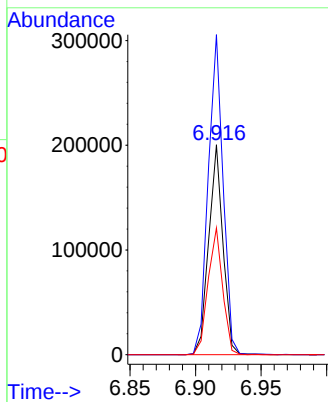
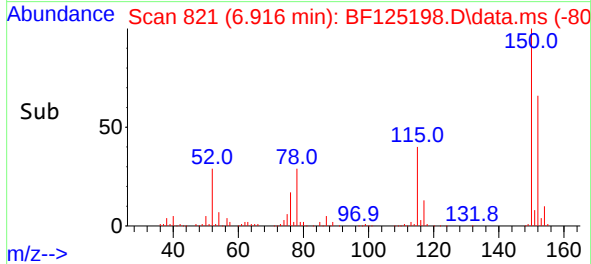




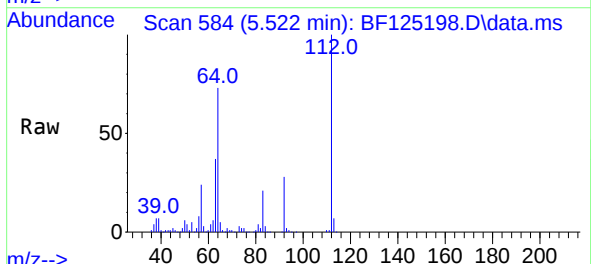
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF125198.D
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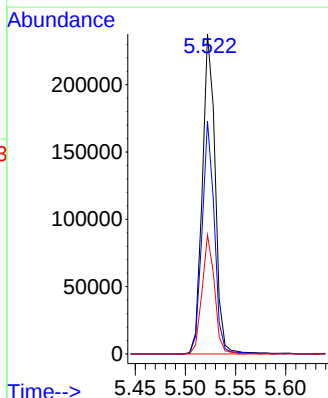
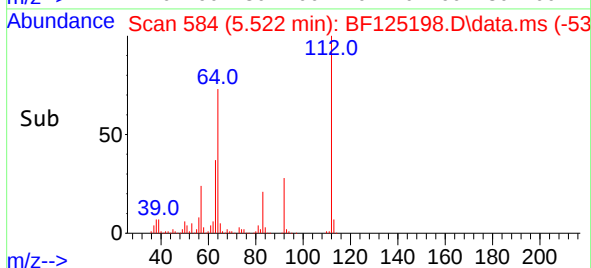
Tgt Ion:152 Resp: 152020
Ion Ratio Lower Upper
152 100
150 152.5 117.6 176.4
115 60.4 47.1 70.7



#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



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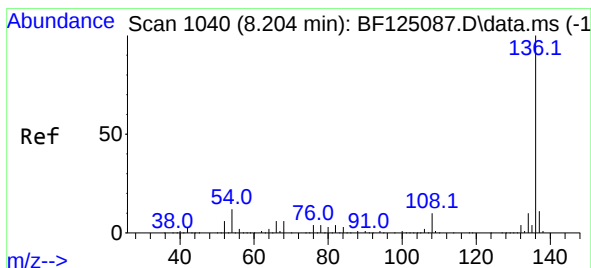
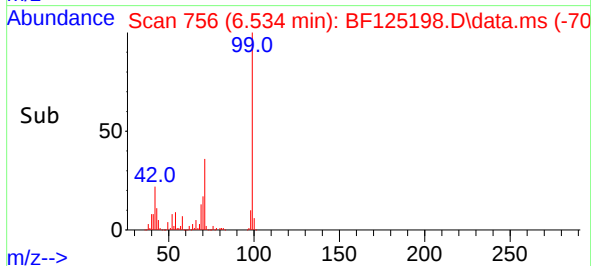
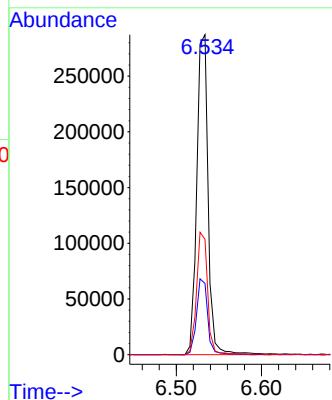
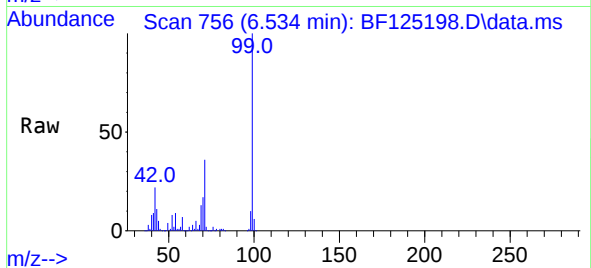
#7
Phenol-d6
Concen: 20.499 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

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

Instrument :
BNA_F
ClientSampleId :
TR-04-082121DL

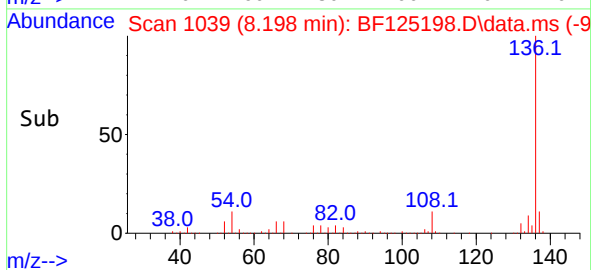
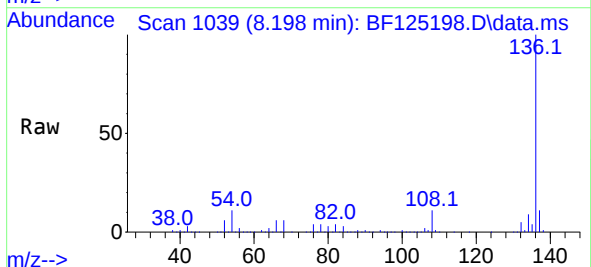
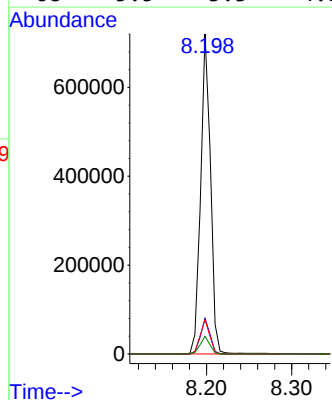
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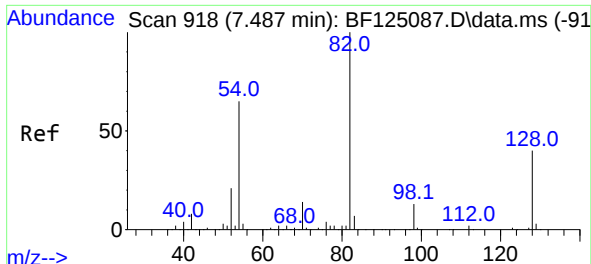
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

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#





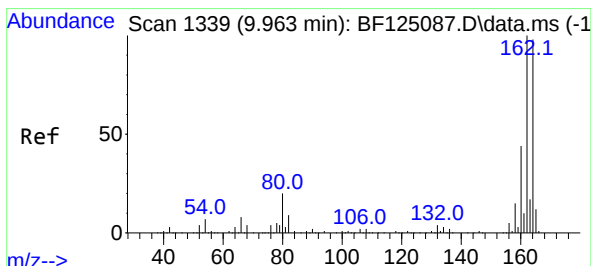
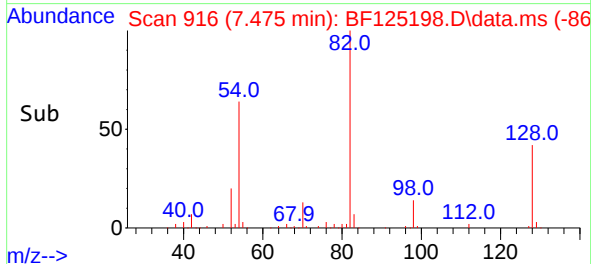
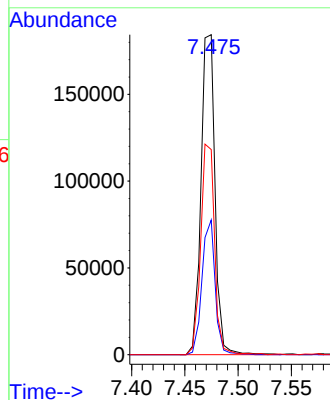
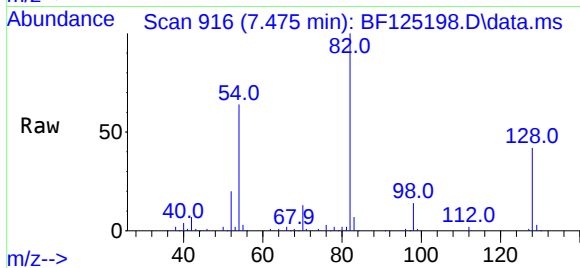
#23
Nitrobenzene-d5
Concen: 14.703 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

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

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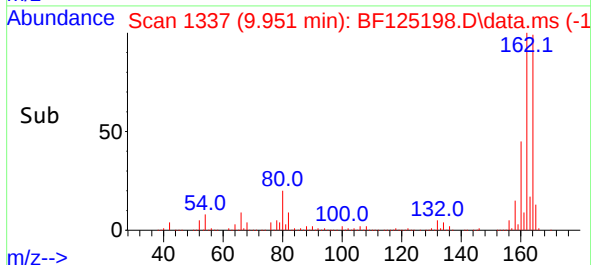
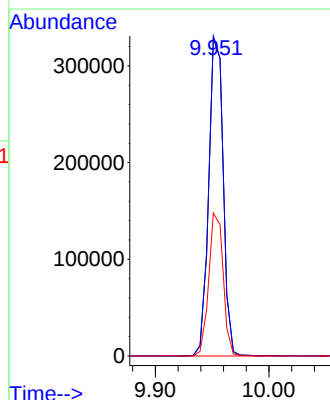
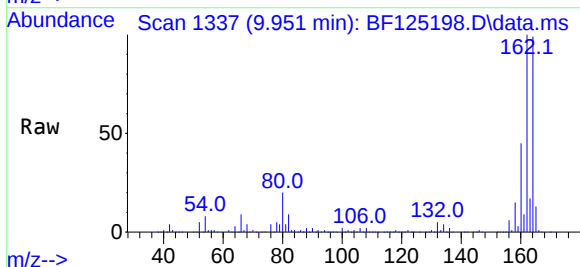
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

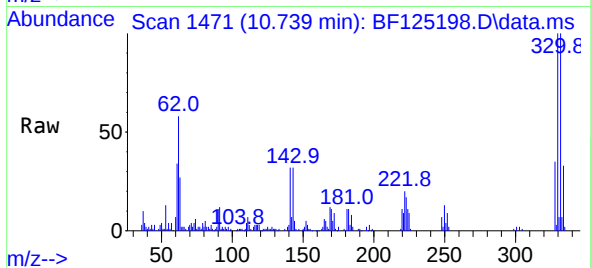
Tgt Ion:164 Resp: 289988
Ion Ratio Lower Upper
164 100
162 100.7 81.3 121.9
160 45.0 38.0 57.0





#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

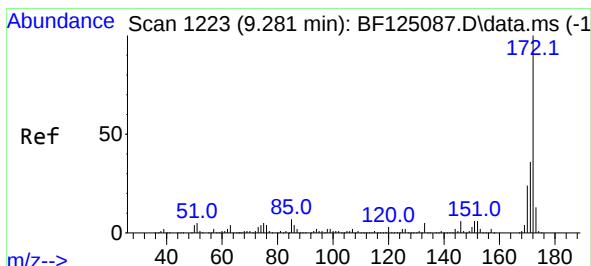
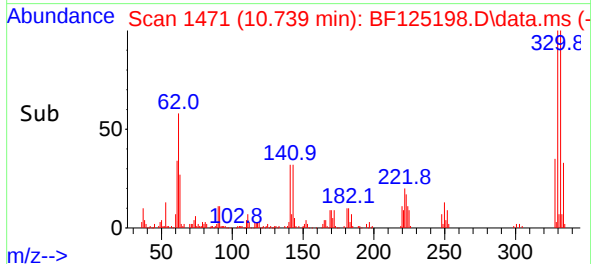
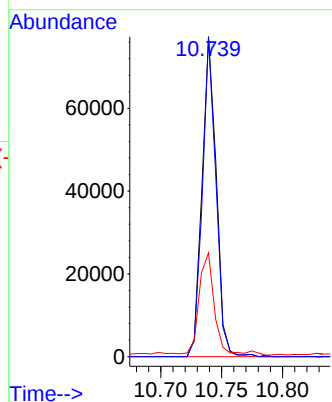
Instrument :
BNA_F
ClientSampleId :
TR-04-082121DL



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#

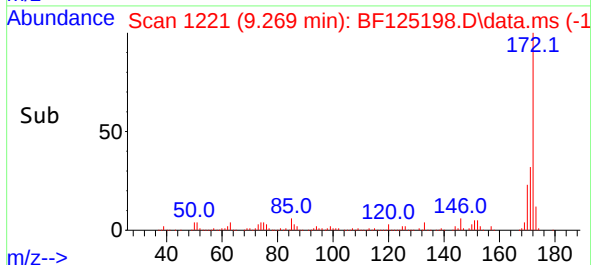
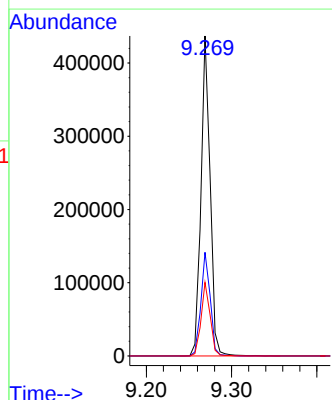
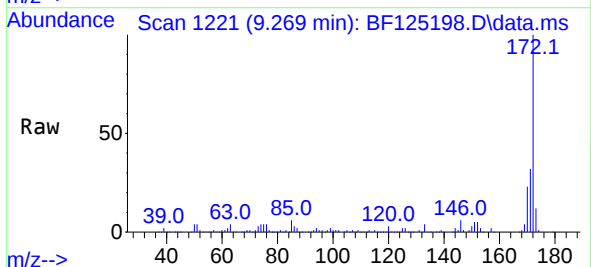
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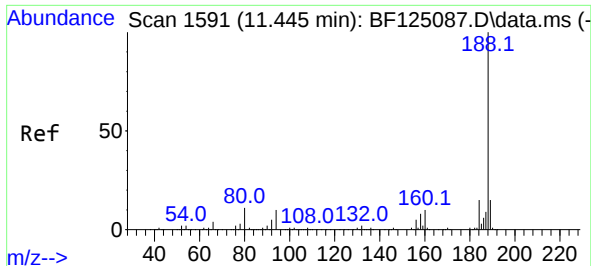
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#45
2-Fluorobiphenyl
Concen: 15.659 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

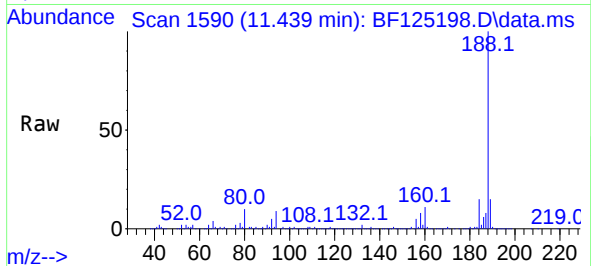
Tgt Ion:172 Resp: 325801
Ion Ratio Lower Upper
172 100
171 32.4 26.5 39.7
170 23.0 18.8 28.2





#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

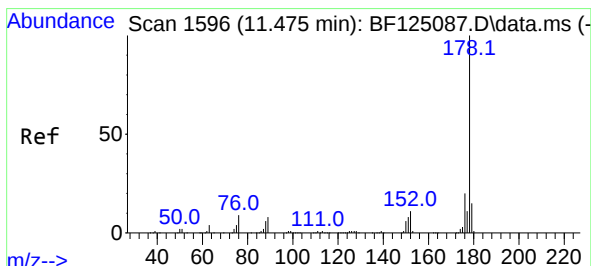
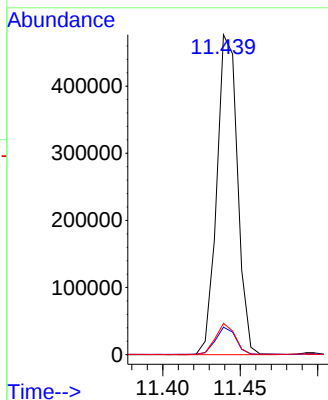
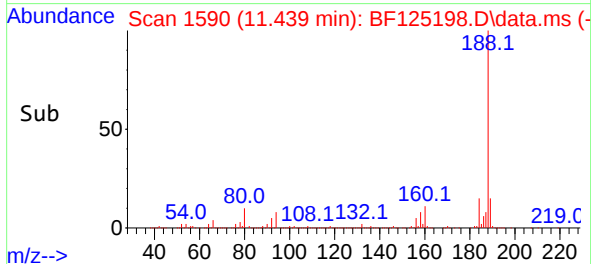
Instrument :
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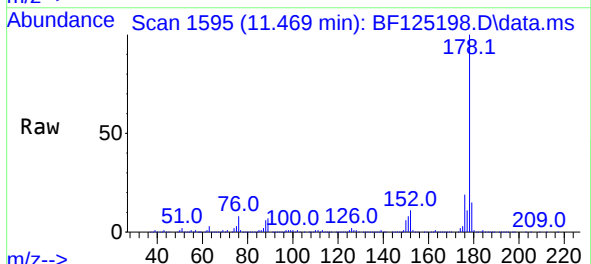
Tgt Ion:188 Resp: 442896
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 9.8 7.5 11.3

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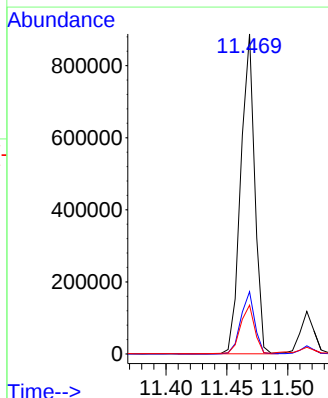
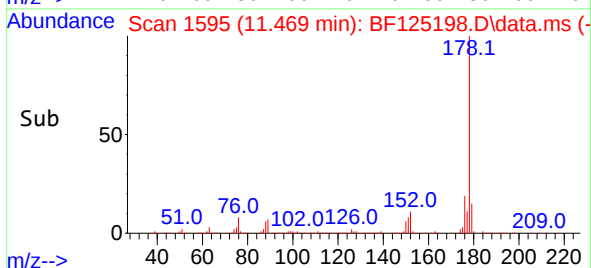
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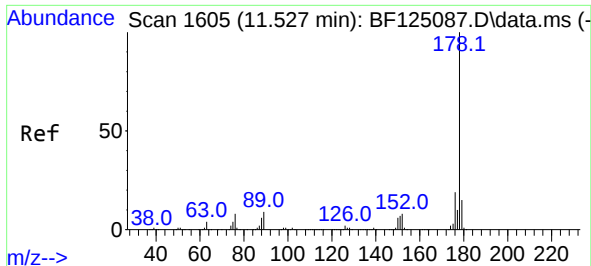


#71
Phenanthrene
Concen: 28.985 ng
RT: 11.469 min Scan# 1595
Delta R.T. 0.006 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

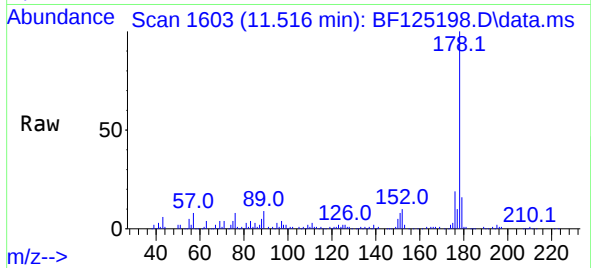


Tgt Ion:178 Resp: 707354
Ion Ratio Lower Upper
178 100
176 19.4 14.7 22.1
179 15.2 11.5 17.3

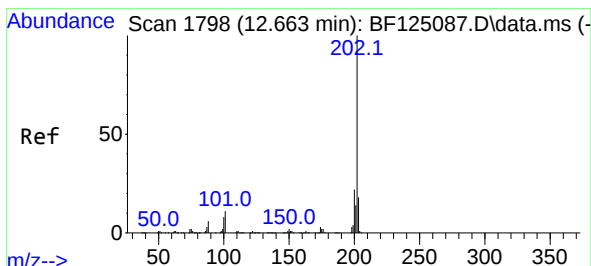
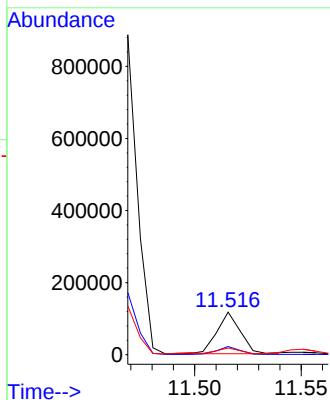
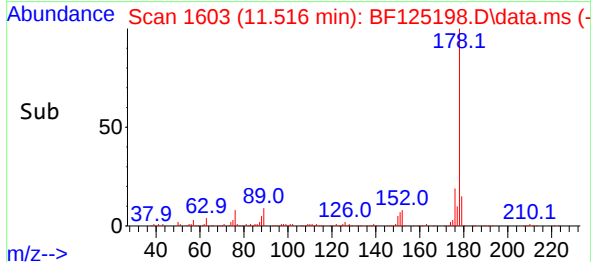




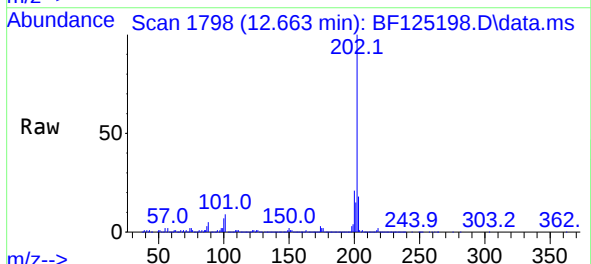
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 Anthracene
 Concen: 3.688 ng
 RT: 11.516 min Scan# 1603
 Delta R.T. 0.000 min
 Lab File: BF125198.D
 Acq: 24 Aug 2021 22:16



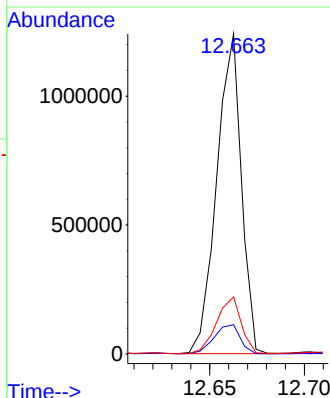
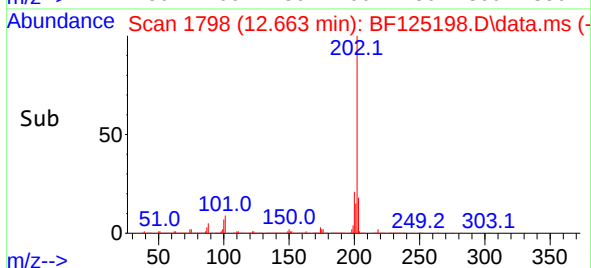
Tgt Ion:178 Resp: 88712
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.3 21.5
 179 16.0 12.2 18.4



#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



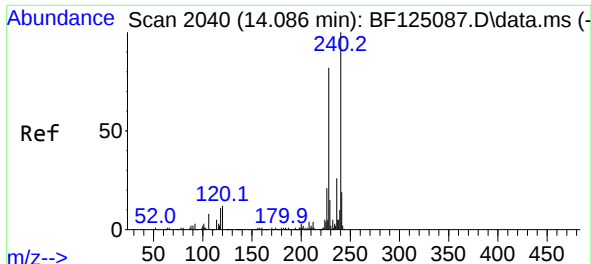
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 101 9.1 0.0 30.7
 203 17.8 0.0 36.3



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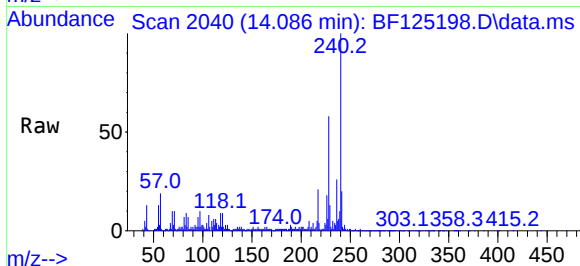
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2040
Delta R.T. 0.006 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

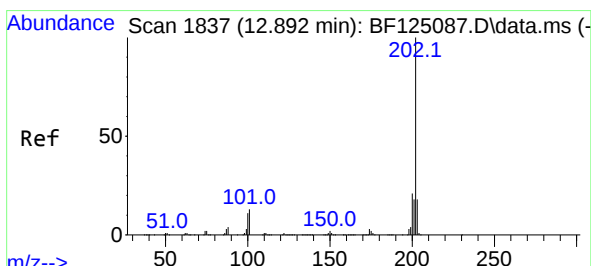
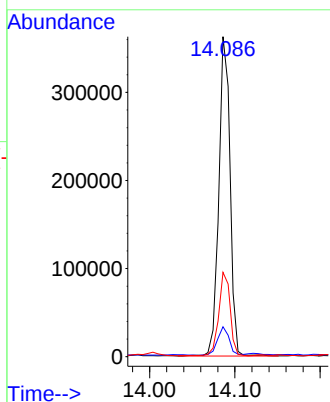
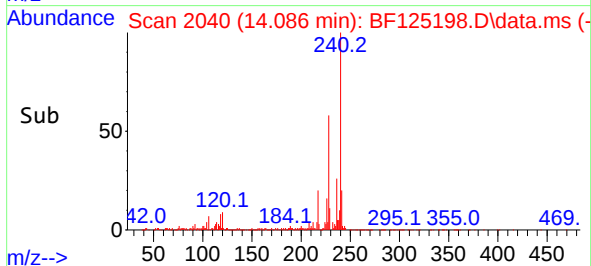
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BNA_F
ClientSampleId :
TR-04-082121DL



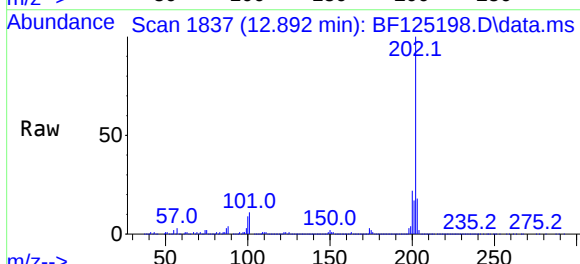
Tgt Ion:240 Resp: 331931
Ion Ratio Lower Upper
240 100
120 9.4 10.8 16.2#
236 26.3 21.6 32.4

Manual Integrations
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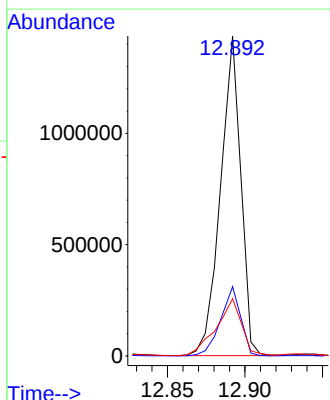
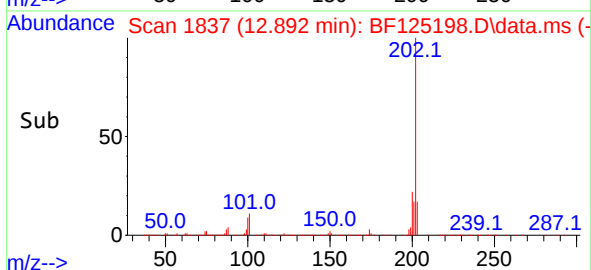
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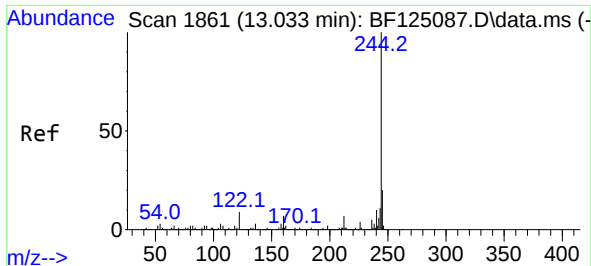


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Pyrene
Concen: 46.010 ng
RT: 12.892 min Scan# 1837
Delta R.T. 0.006 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16



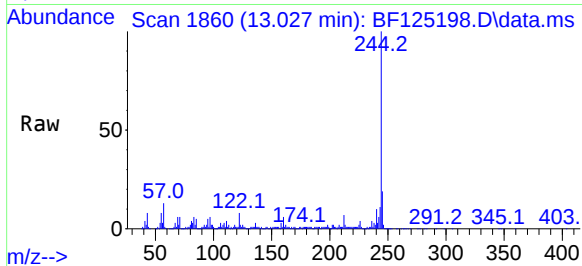
Tgt Ion:202 Resp: 1310034
Ion Ratio Lower Upper
202 100
200 21.7 15.3 22.9
203 17.9 13.4 20.0





#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

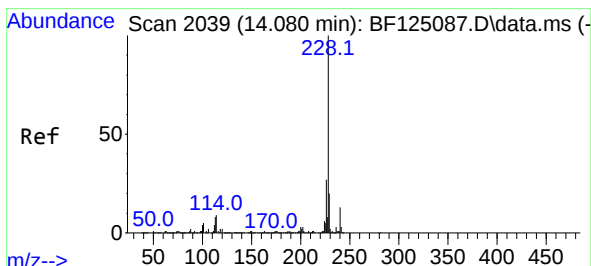
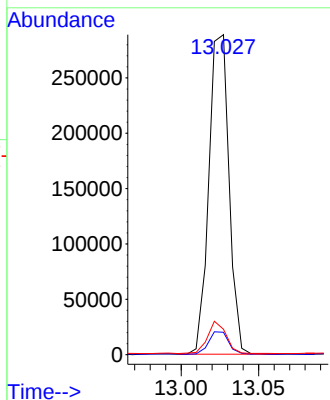
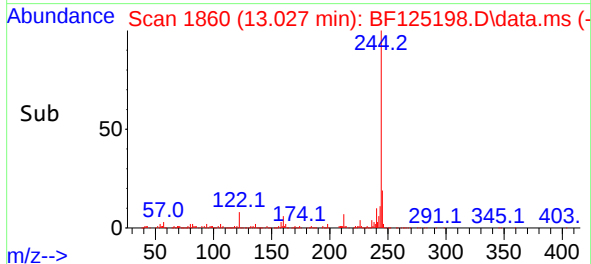
Instrument :
BNA_F
ClientSampleId :
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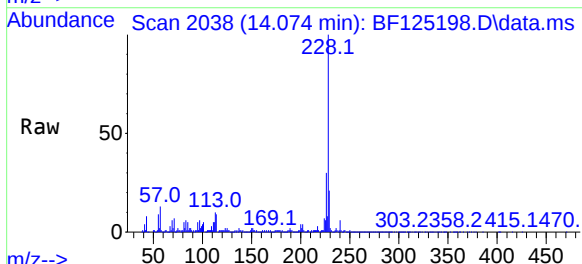
Tgt Ion:244 Resp: 261713
Ion Ratio Lower Upper
244 100
212 7.0 5.9 8.9
122 8.0 9.0 13.4#

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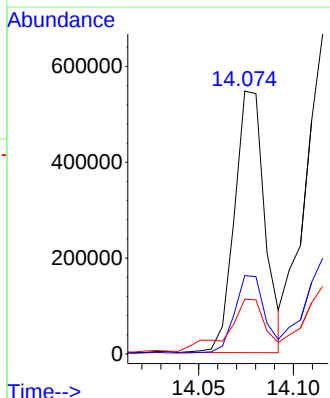
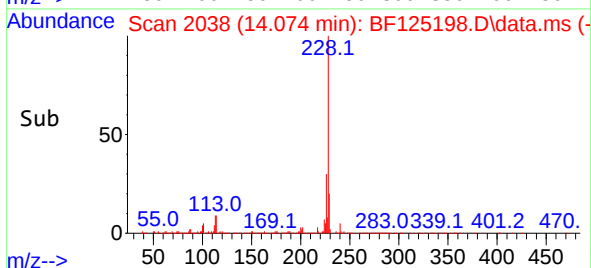
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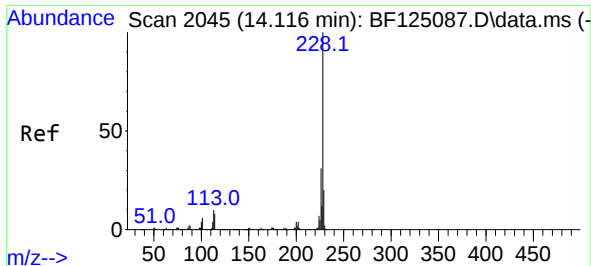


#81
Benzo(a)anthracene
Concen: 25.401 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

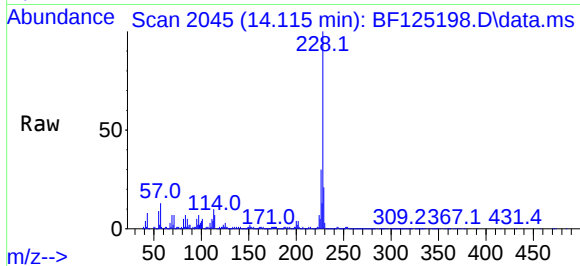


Tgt Ion:228 Resp: 607480
Ion Ratio Lower Upper
228 100
226 29.8 21.6 32.4
229 20.8 15.6 23.4

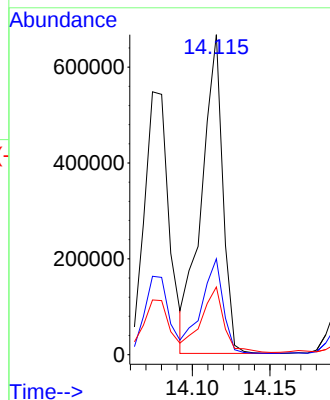
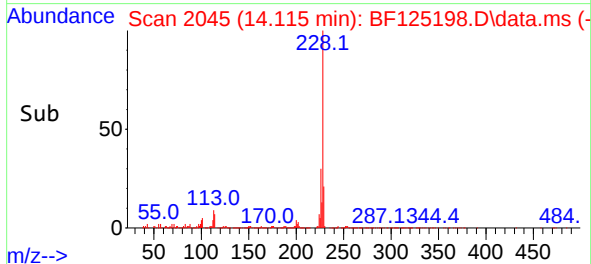




#83
Chrysene
Concen: 26.786 ng
RT: 14.115 min Scan# 2045
Delta R.T. 0.006 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16



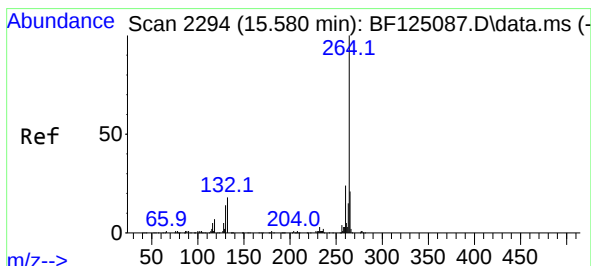
Tgt Ion:228 Resp: 633544
Ion Ratio Lower Upper
228 100
226 29.9 22.6 34.0
229 21.1 15.9 23.9



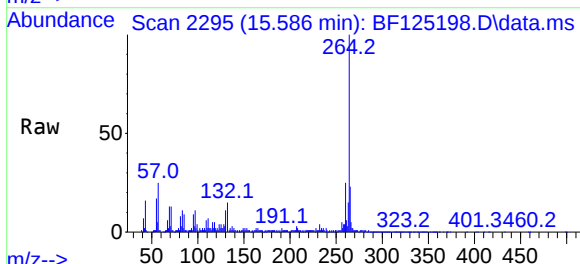
Instrument :
BNA_F
ClientSampleId :
TR-04-082121DL

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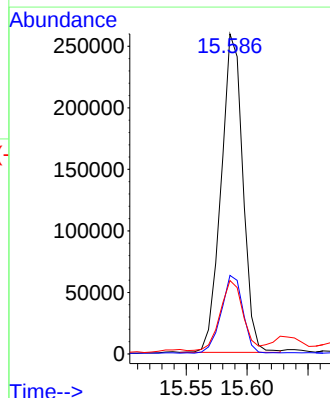
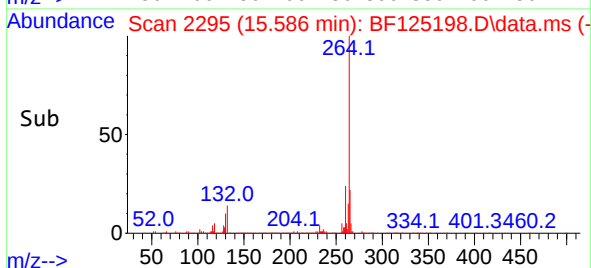
mohammad
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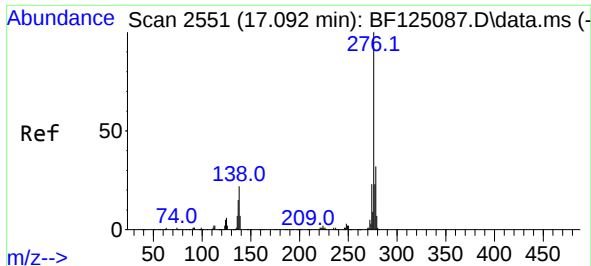


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2295
Delta R.T. 0.012 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16



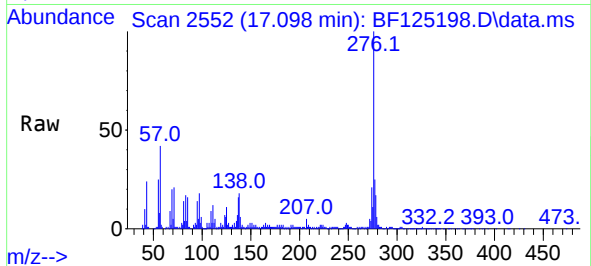
Tgt Ion:264 Resp: 321465
Ion Ratio Lower Upper
264 100
260 24.6 19.6 29.4
265 22.9 17.2 25.8





#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

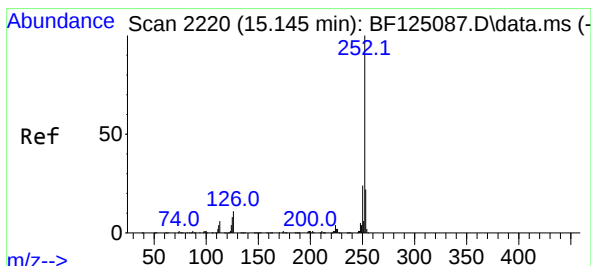
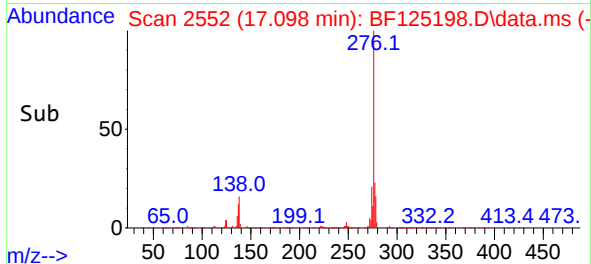
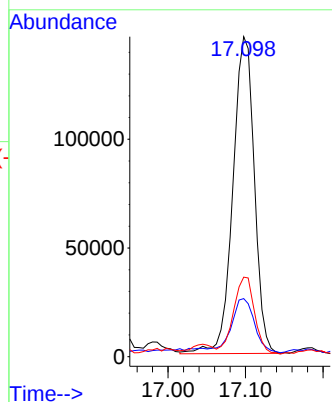
Instrument :
BNA_F
ClientSampleId :
TR-04-082121DL



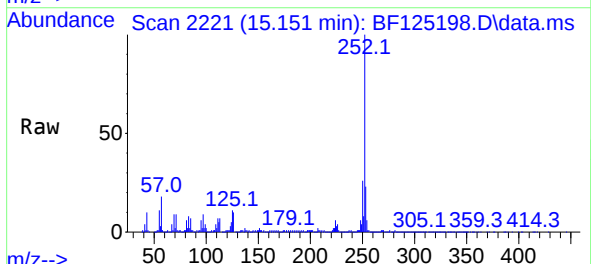
Tgt Ion:276 Resp: 281162
Ion Ratio Lower Upper
276 100
138 18.4 24.1 36.1#
277 23.9 18.8 28.2

Manual Integrations
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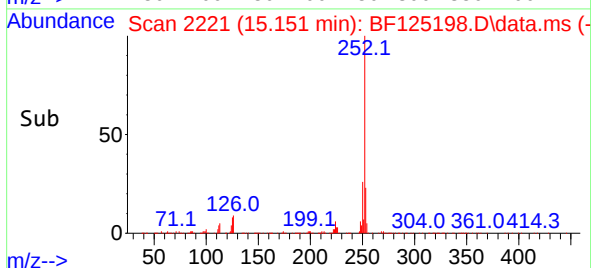
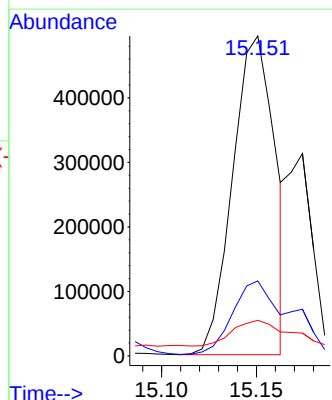
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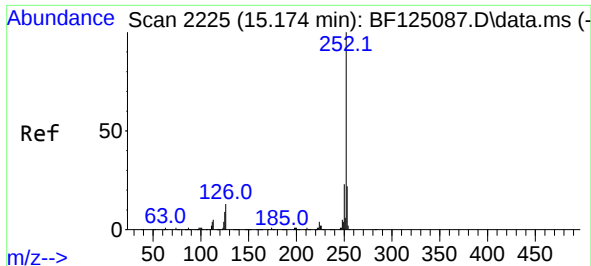


#88
Benzo(b)fluoranthene
Concen: 32.512 ng m
RT: 15.151 min Scan# 2221
Delta R.T. 0.018 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16



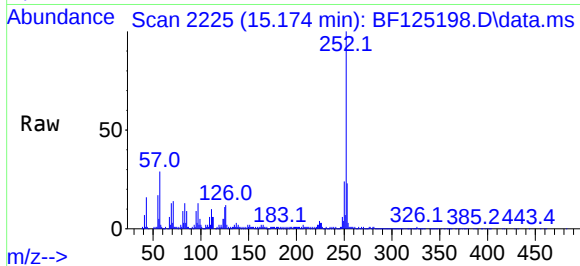
Tgt Ion:252 Resp: 763567
Ion Ratio Lower Upper
252 100
253 23.5 16.8 25.2
125 11.1 9.8 14.8





#89
Benzo(k)fluoranthene
Concen: 12.713 ng m
RT: 15.174 min Scan# 2225
Delta R.T. 0.006 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

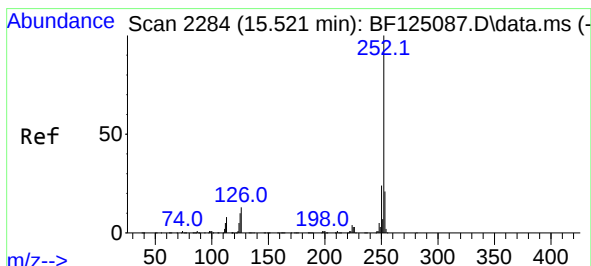
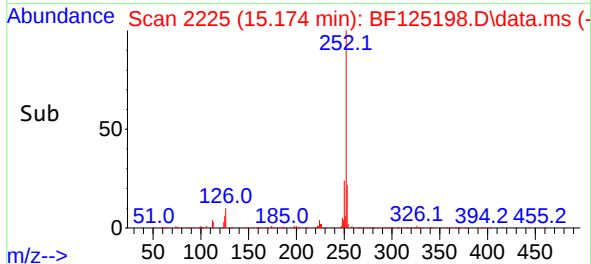
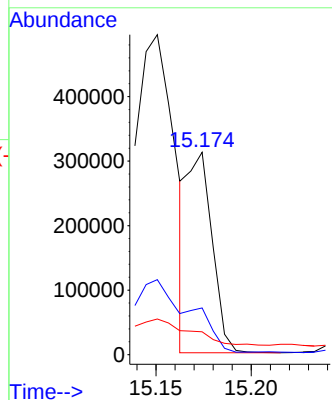
Instrument :
BNA_F
ClientSampleId :
TR-04-082121DL



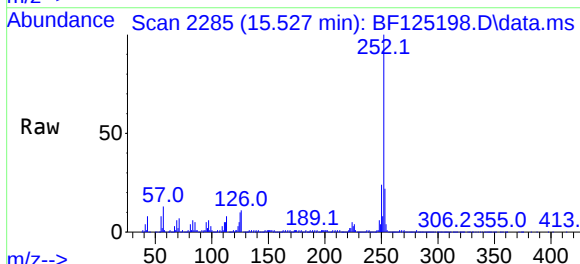
Tgt Ion:252 Resp: 278621
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 11.3 7.2 10.8#

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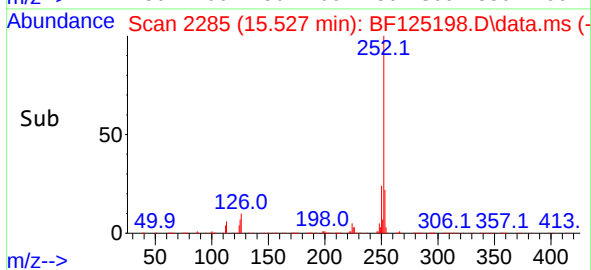
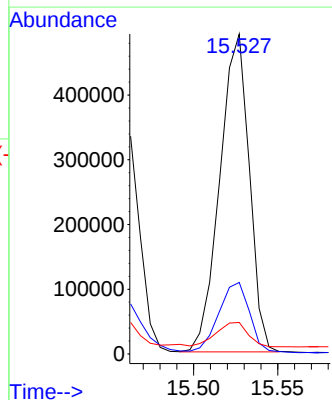
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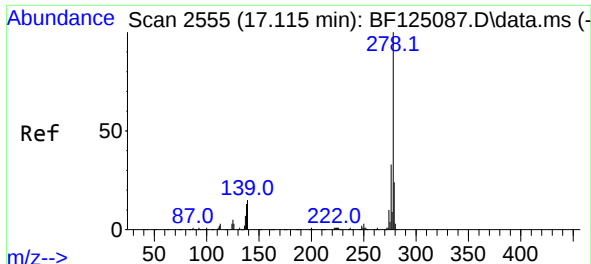


#90
Benzo(a)pyrene
Concen: 28.917 ng m
RT: 15.527 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16



Tgt Ion:252 Resp: 599911
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 9.8 9.9 14.9#





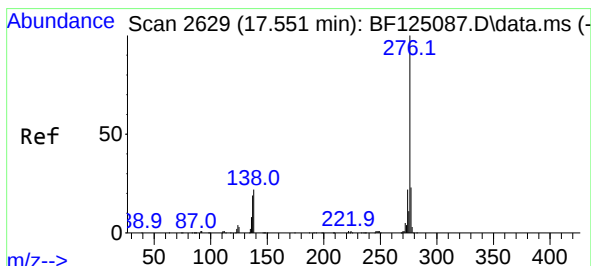
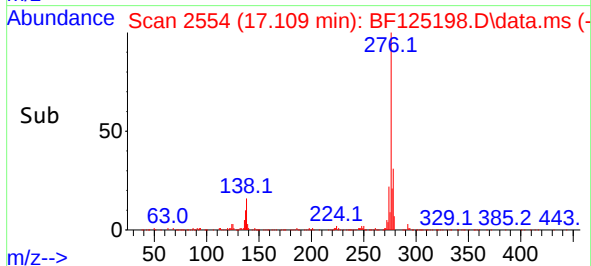
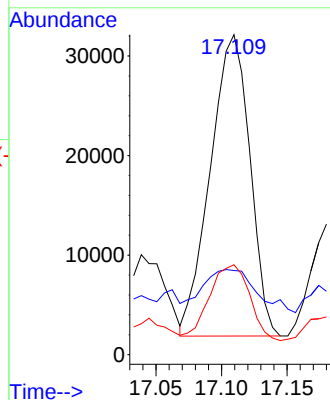
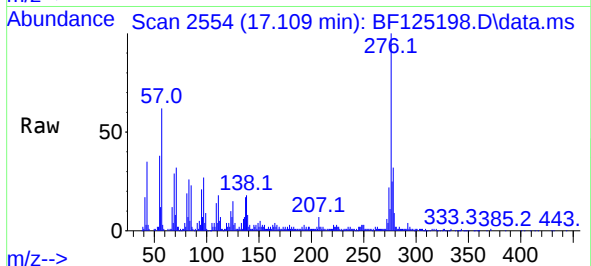
#91
Dibenzo(a,h)anthracene
Concen: 3.175 ng
RT: 17.109 min Scan# 2554
Delta R.T. 0.000 min
Lab File: BF125198.D
Acq: 24 Aug 2021 22:16

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

Instrument :
BNA_F
ClientSampleId :
TR-04-082121DL

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#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#

