

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
 Data File : BF125810.D
 Acq On : 12 Oct 2021 19:36
 Operator : JU/CG
 Sample : M4159-10
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T9-COMP-(1-4)

Manual Integrations
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Quant Time: Oct 13 09:45:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 07 17:16:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	175370	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	647801	20.00	ng	# 0.00
39) Acenaphthene-d10	9.875	164	302825	20.00	ng	0.00
64) Phenanthrene-d10	11.357	188	509022	20.00	ng	# 0.00
76) Chrysene-d12	13.992	240	432345	20.00	ng	0.00
86) Perylene-d12	15.445	264	378994	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	921011	85.80	ng	0.00
7) Phenol-d6	6.463	99	1123267	81.28	ng	-0.01
23) Nitrobenzene-d5	7.398	82	670751	64.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	239063	79.96	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1266258	72.12	ng	0.00
79) Terphenyl-d14	12.945	244	1336669	47.09	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	8.933	142	44633	2.27	ng	98
52) Acenaphthene	9.904	154	96238	5.82	ng	97
55) Dibenzofuran	10.075	168	90011	3.63	ng	94
58) Fluorene	10.422	166	107008	5.90	ng	99
71) Phenanthrene	11.386	178	1885839	69.24	ng	97
72) Anthracene	11.433	178	293037	10.77	ng	99
73) Carbazole	11.586	167	108393	4.28	ng	98
75) Fluoranthene	12.574	202	2022900	82.32	ng	96
78) Pyrene	12.804	202	1944836	44.28	ng	95
81) Benzo(a)anthracene	13.986	228	851364	30.35	ng	99
83) Chrysene	14.021	228	884003	31.88	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	248922	8.61	ng	94
88) Benzo(b)fluoranthene	15.027	252	721887m	33.74	ng	
89) Benzo(k)fluoranthene	15.039	252	296744m	13.51	ng	
90) Benzo(a)pyrene	15.386	252	543760	28.70	ng	100
91) Dibenzo(a,h)anthracene	16.898	278	63902	2.68	ng	97
92) Benzo(g,h,i)perylene	17.321	276	225994	9.27	ng	93

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

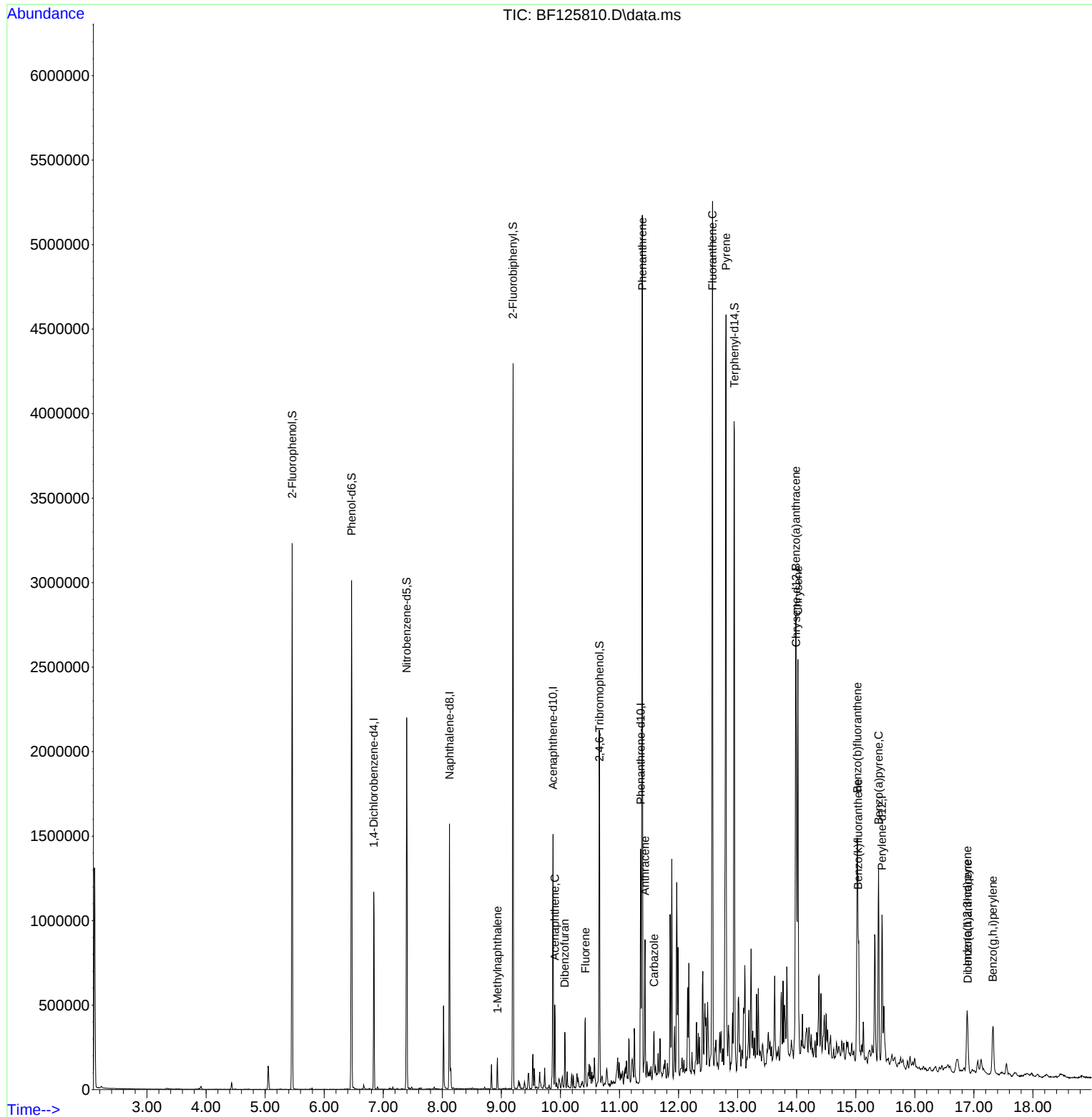
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

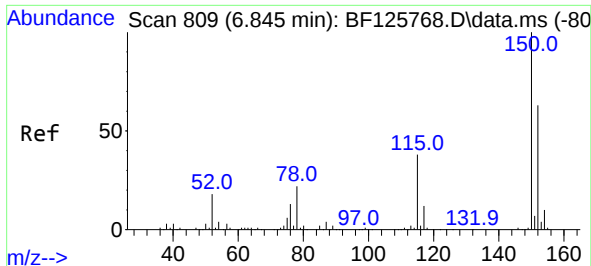
Instrument :
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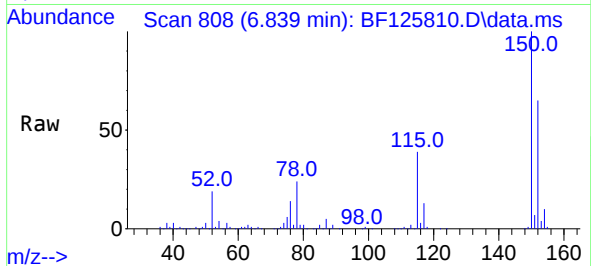
Quant Time: Oct 13 09:45:02 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 07 17:16:23 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

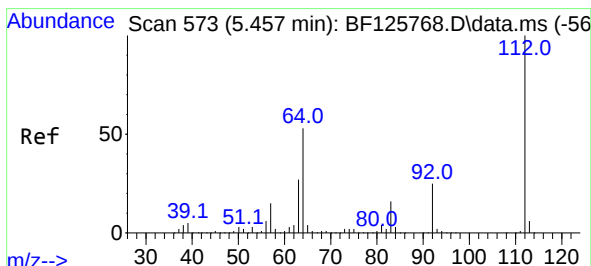
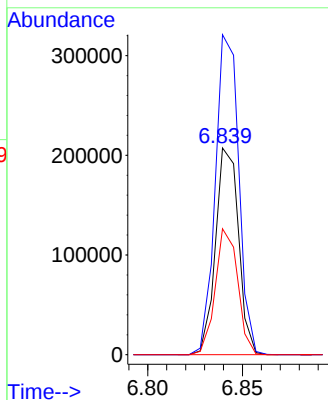
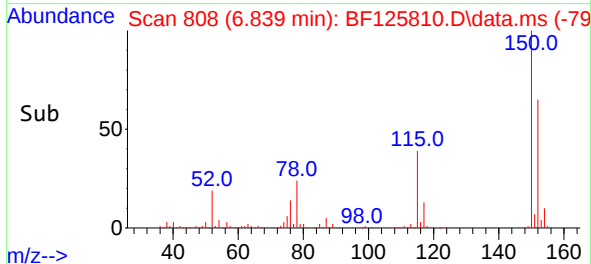
Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)



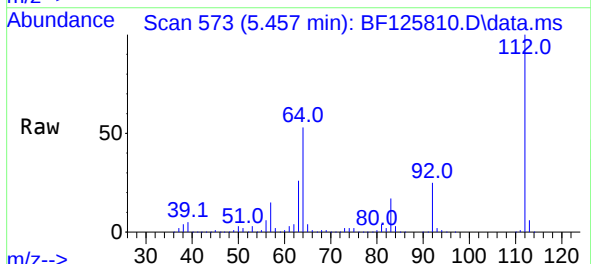
Tgt Ion:152 Resp: 175370
Ion Ratio Lower Upper
152 100
150 154.8 117.6 176.4
115 60.9 47.1 70.7

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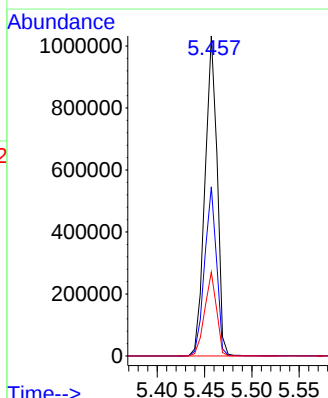
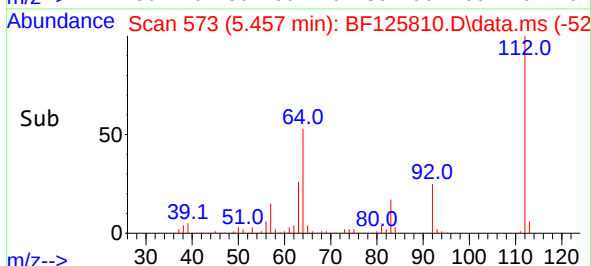
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#5
2-Fluorophenol
Concen: 85.80 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36



Tgt Ion:112 Resp: 921011
Ion Ratio Lower Upper
112 100
64 52.9 44.2 66.2
63 26.2 26.2 39.2





#7
Phenol-d6
Concen: 81.28 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

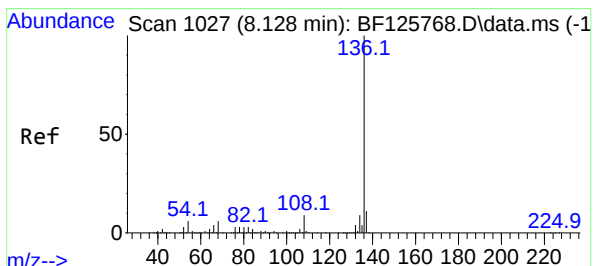
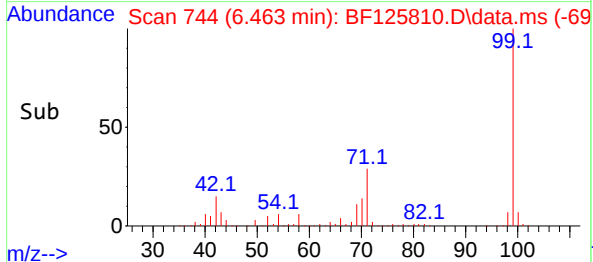
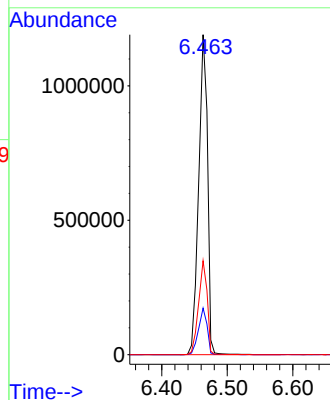
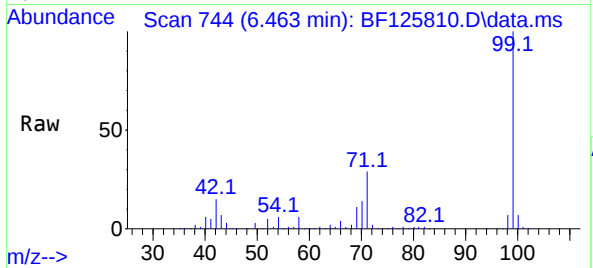
Tgt Ion: 99 Resp: 1123267

Ion	Ratio	Lower	Upper
99	100		
42	14.6	23.5	35.3#
71	29.3	25.6	38.4

Instrument :
BNA_F
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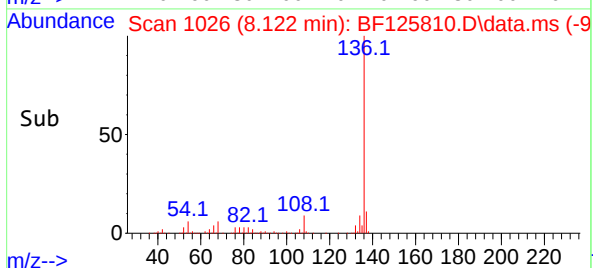
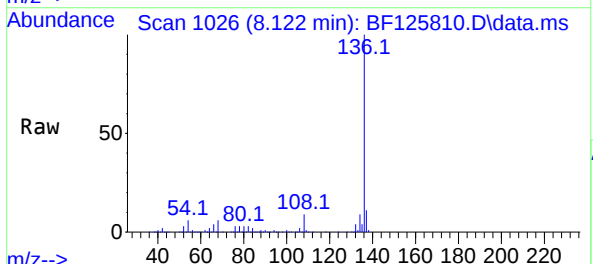
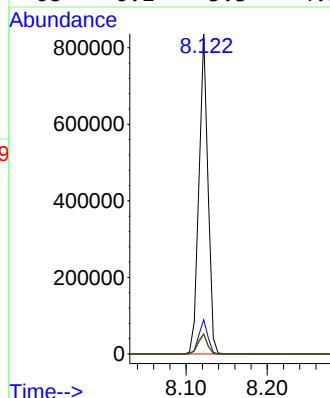
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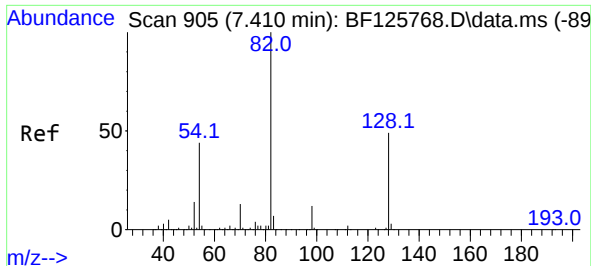


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion: 136 Resp: 647801

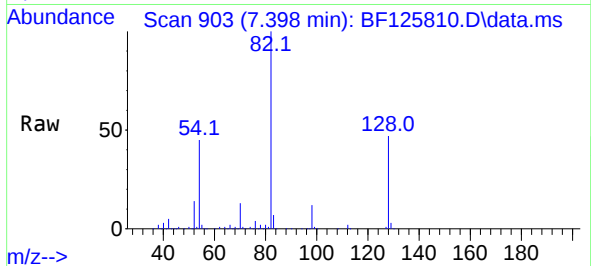
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.8	14.6
54	6.3	6.4	9.6#
68	6.1	3.3	4.9#





#23
Nitrobenzene-d5
Concen: 64.36 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

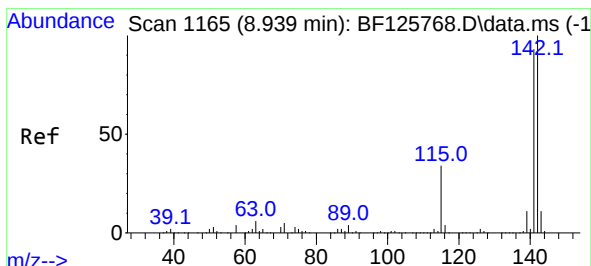
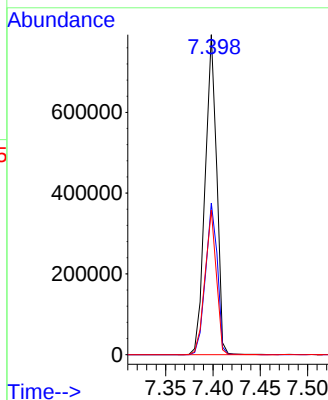
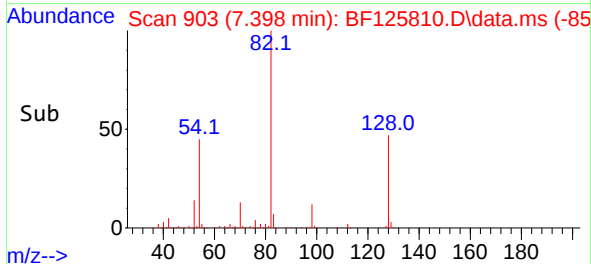
Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)



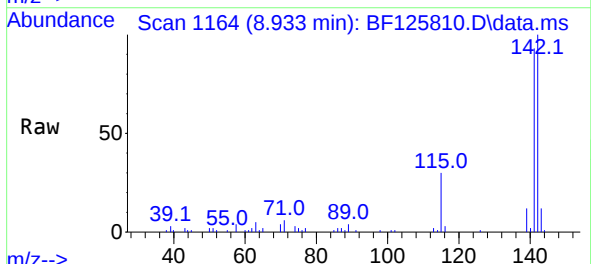
Tgt Ion: 82 Resp: 670751
Ion Ratio Lower Upper
82 100
128 47.4 40.6 60.8
54 45.2 49.6 74.4#

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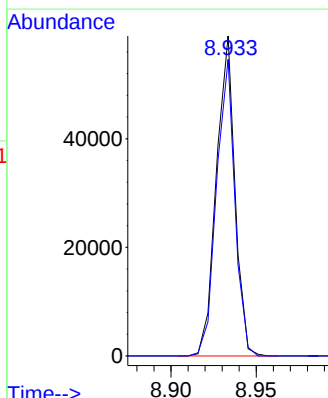
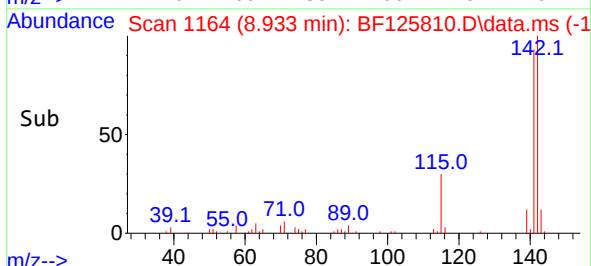
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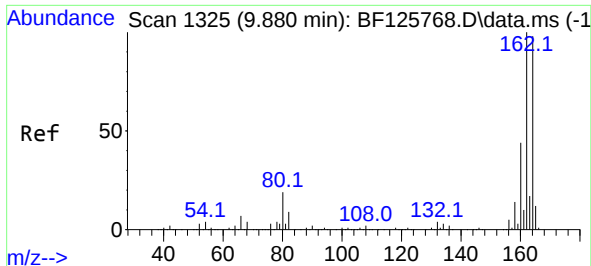


#38
1-Methylnaphthalene
Concen: 2.27 ng
RT: 8.933 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36



Tgt Ion: 142 Resp: 44633
Ion Ratio Lower Upper
142 100
141 92.7 76.0 114.0





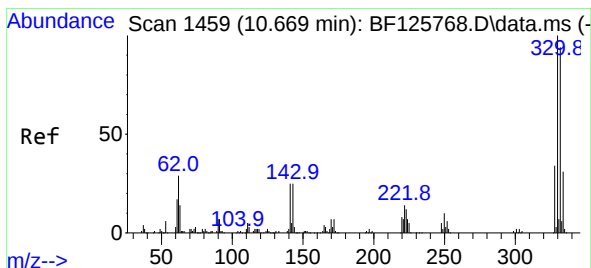
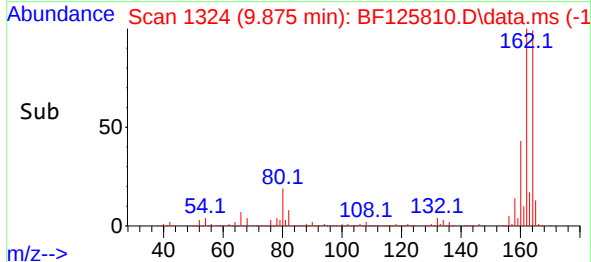
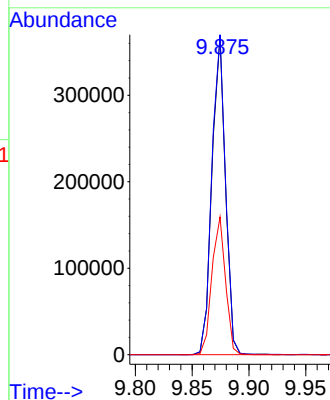
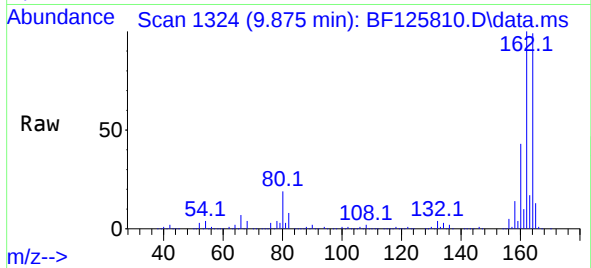
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion:164 Resp: 302825
Ion Ratio Lower Upper
164 100
162 100.5 81.3 121.9
160 43.3 38.0 57.0

Instrument :
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ClientSampleId :
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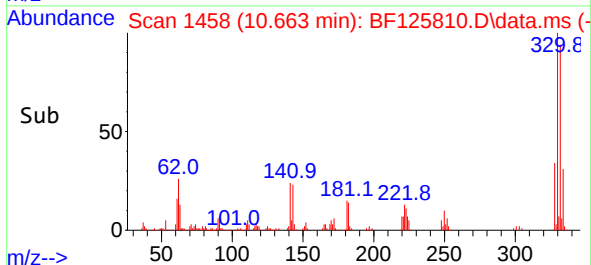
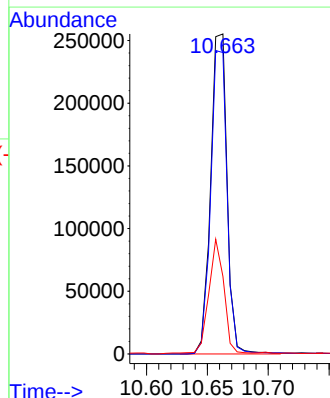
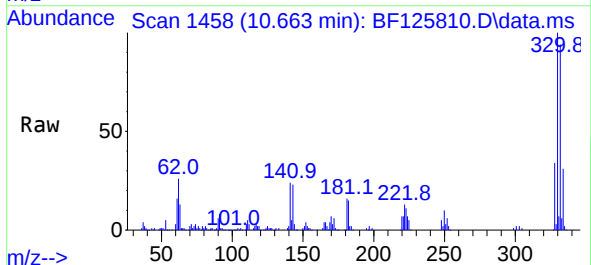
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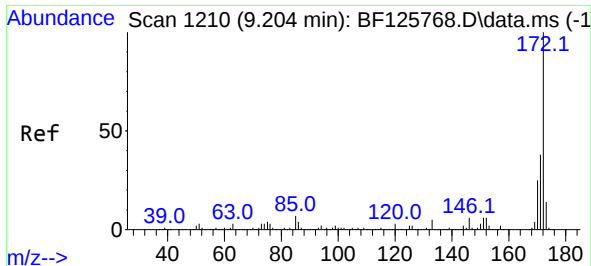
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#42
2,4,6-Tribromophenol
Concen: 79.96 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

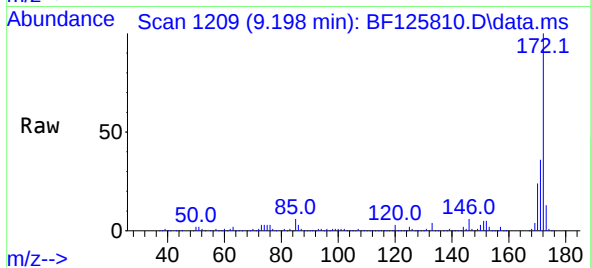
Tgt Ion:330 Resp: 239063
Ion Ratio Lower Upper
330 100
332 94.8 76.2 114.4
141 33.3 44.6 66.8#





#45
2-Fluorobiphenyl
Concen: 72.12 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

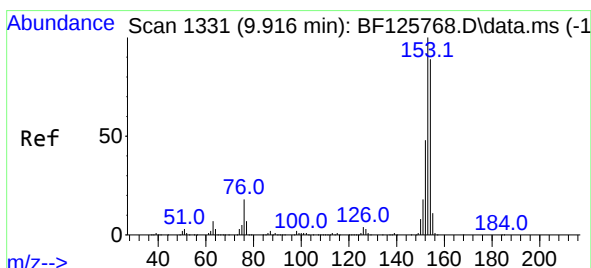
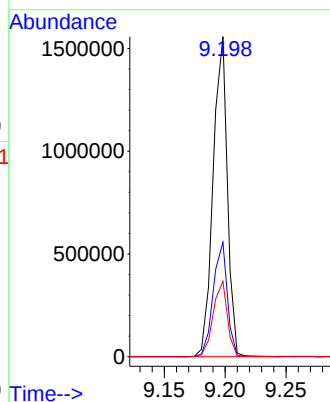
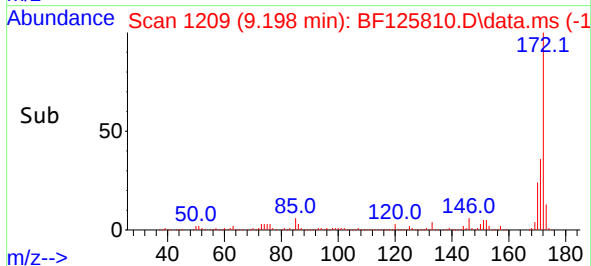
Instrument :
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T9-COMP-(1-4)



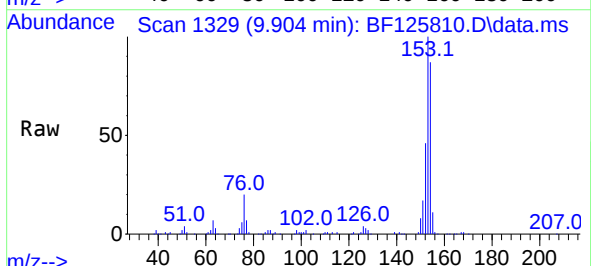
Tgt Ion:172 Resp: 1266258
Ion Ratio Lower Upper
172 100
171 35.8 26.5 39.7
170 23.5 18.8 28.2

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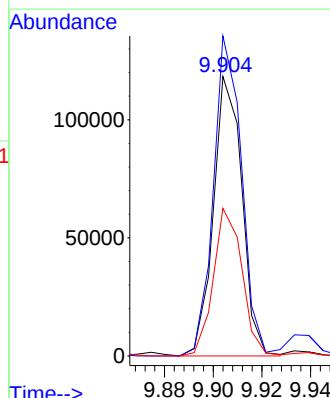
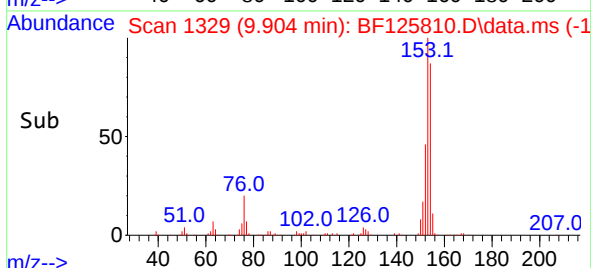
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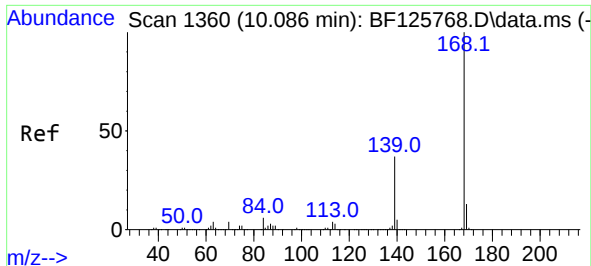


#52
Acenaphthene
Concen: 5.82 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

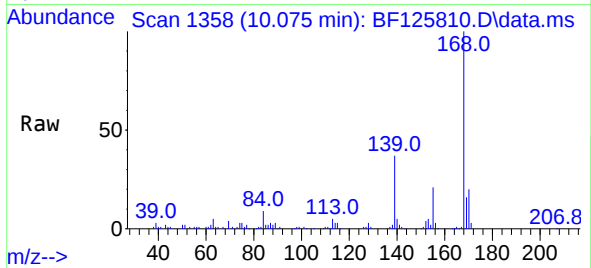


Tgt Ion:154 Resp: 96238
Ion Ratio Lower Upper
154 100
153 114.5 89.4 134.2
152 52.8 40.5 60.7

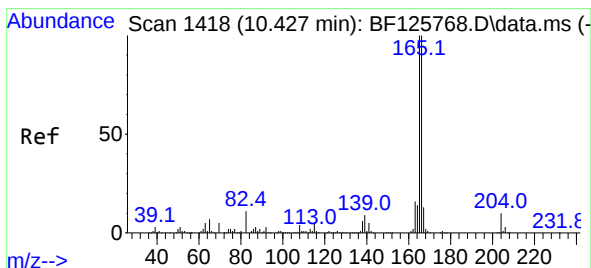
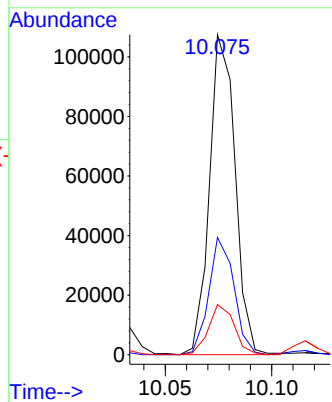
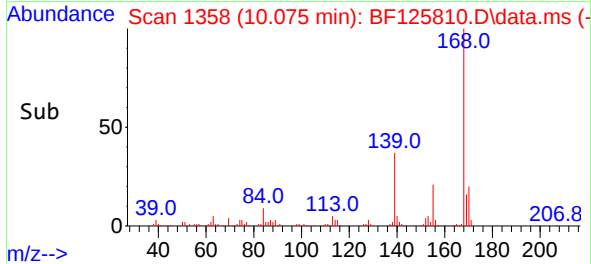




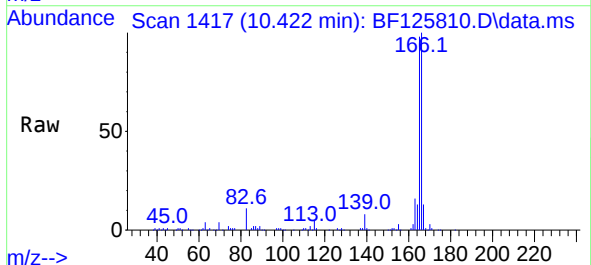
#55
Dibenzenofuran
Concen: 3.63 ng
RT: 10.075 min Scan# 1358
Delta R.T. -0.012 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36



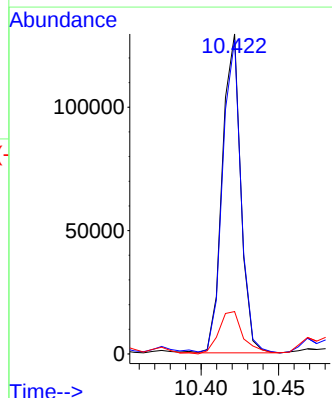
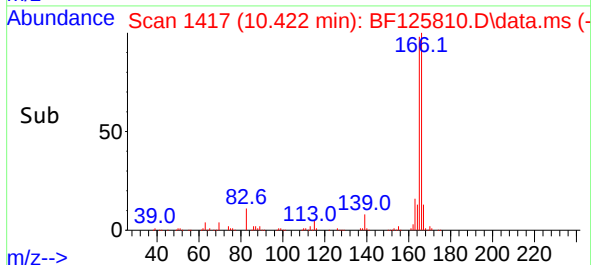
Tgt Ion:168 Resp: 90011
Ion Ratio Lower Upper
168 100
139 36.6 32.7 49.1
169 15.6 11.2 16.8



#58
Fluorene
Concen: 5.90 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36



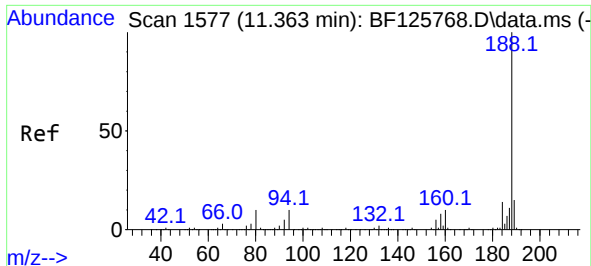
Tgt Ion:166 Resp: 107008
Ion Ratio Lower Upper
166 100
165 98.2 78.1 117.1
167 13.3 11.1 16.7



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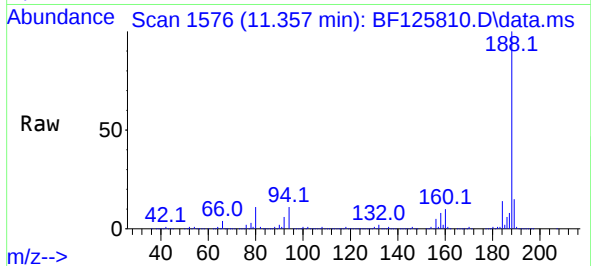
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

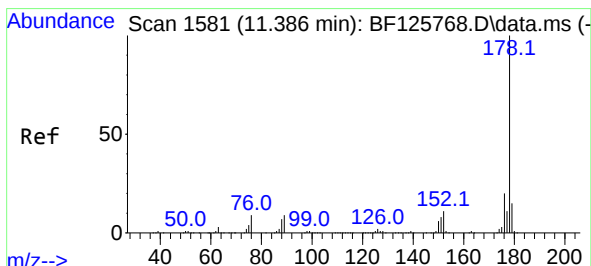
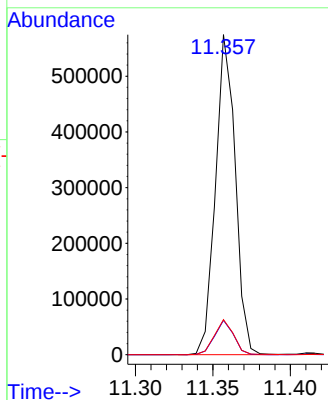
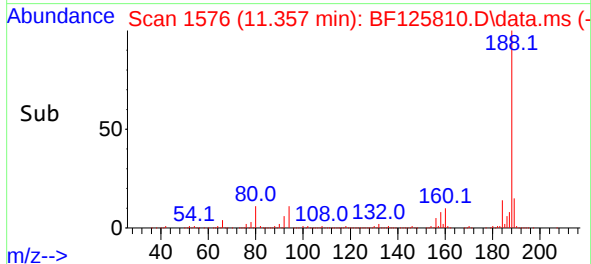
Instrument :
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ClientSampleId :
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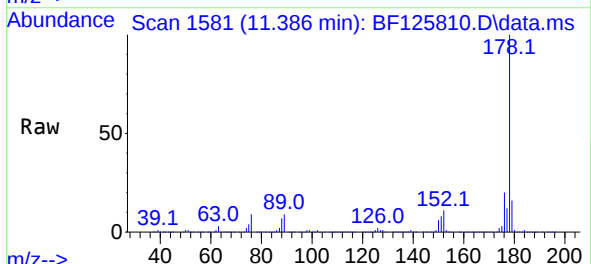
Tgt Ion:188 Resp: 509022
Ion Ratio Lower Upper
188 100
94 10.8 6.7 10.1#
80 10.9 7.5 11.3

Manual Integrations
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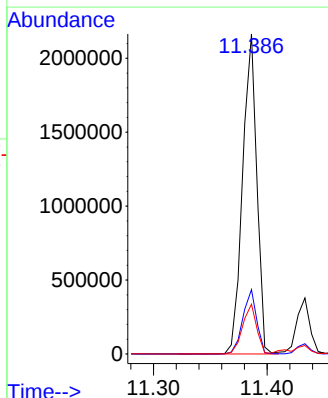
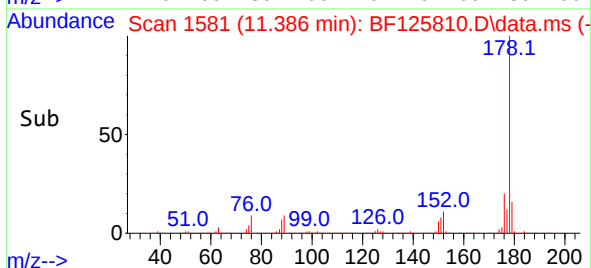
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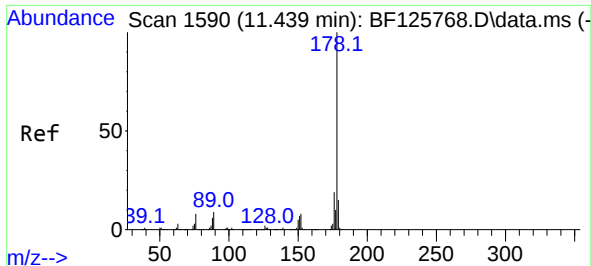


#71
Phenanthrene
Concen: 69.24 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36



Tgt Ion:178 Resp: 1885839
Ion Ratio Lower Upper
178 100
176 20.1 14.7 22.1
179 15.6 11.5 17.3





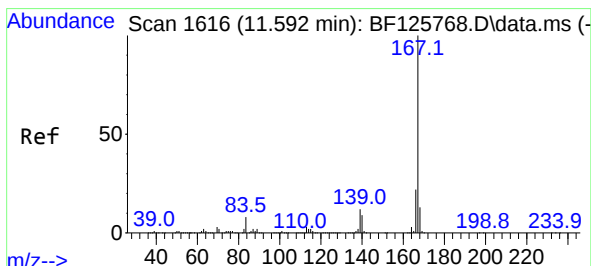
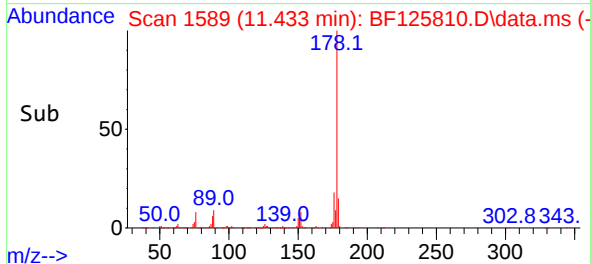
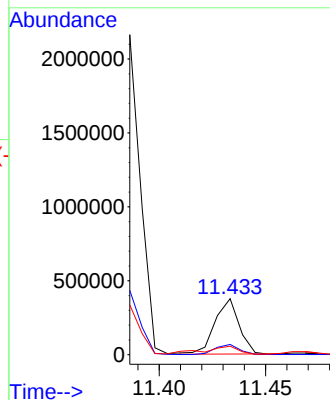
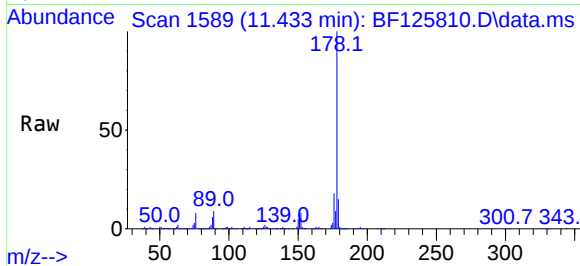
#72
 Anthracene
 Concen: 10.77 ng
 RT: 11.433 min Scan# 1589
 Delta R.T. -0.006 min
 Lab File: BF125810.D
 Acq: 12 Oct 2021 19:36

Tgt Ion:178 Resp: 293037
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.3 21.5
 179 15.3 12.2 18.4

Instrument :
 BNA_F
 ClientSampleId :
 T9-COMP-(1-4)

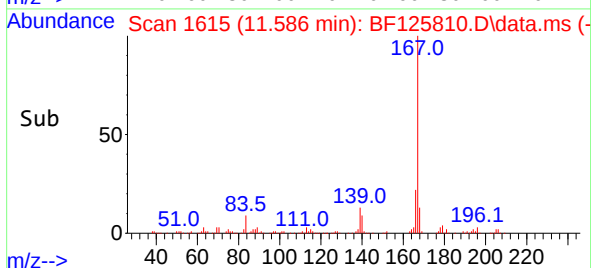
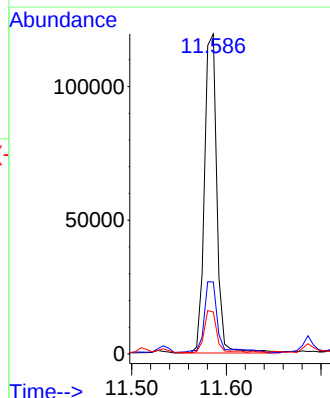
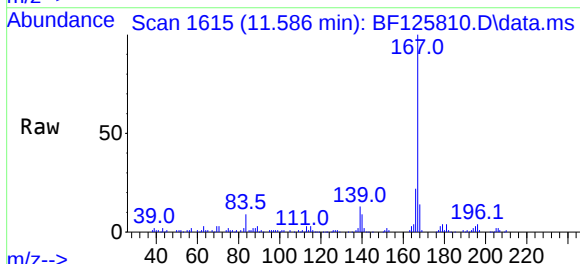
Manual Integrations
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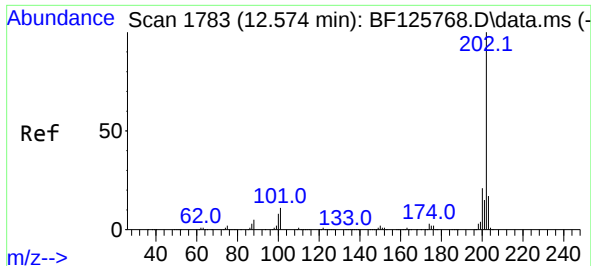
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#73
 Carbazole
 Concen: 4.28 ng
 RT: 11.586 min Scan# 1615
 Delta R.T. -0.006 min
 Lab File: BF125810.D
 Acq: 12 Oct 2021 19:36

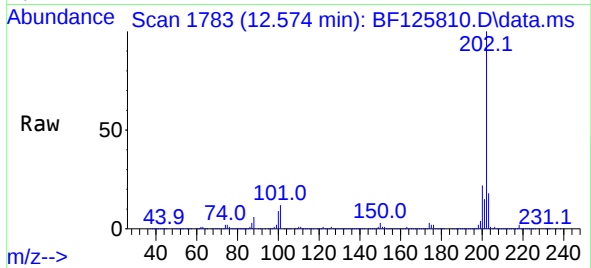
Tgt Ion:167 Resp: 108393
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.4 26.0
 139 13.1 11.0 16.4





#75
Fluoranthene
Concen: 82.32 ng
RT: 12.574 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

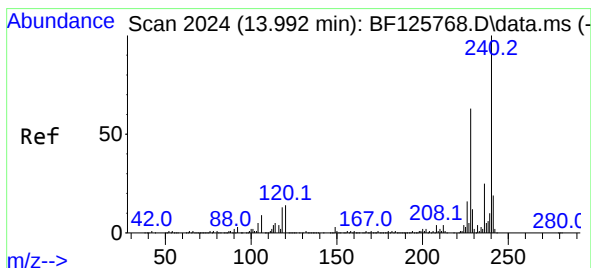
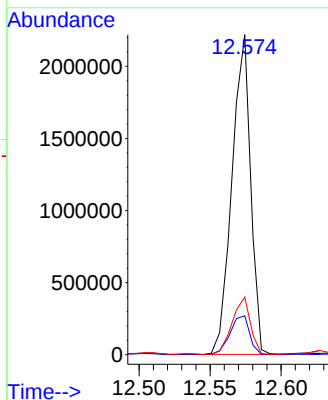
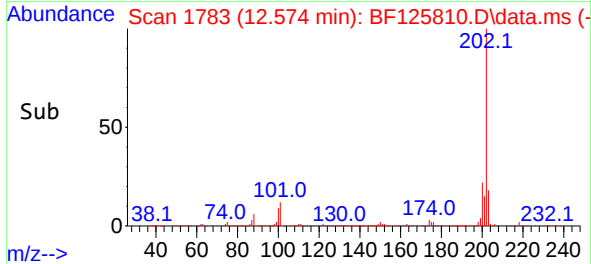
Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)



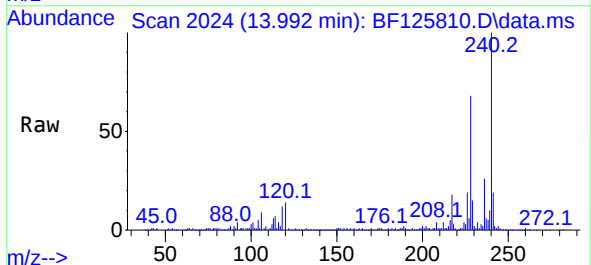
Tgt Ion:202 Resp: 2022900
Ion Ratio Lower Upper
202 100
101 12.1 0.0 30.7
203 18.0 0.0 36.3

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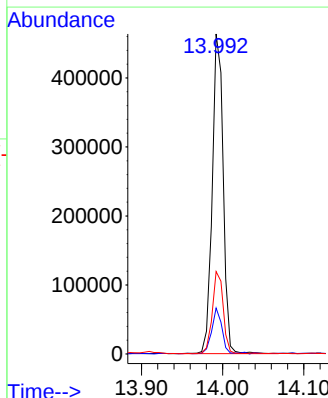
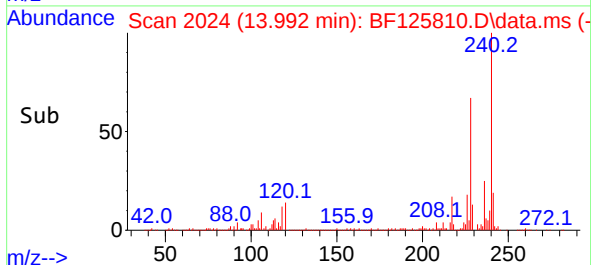
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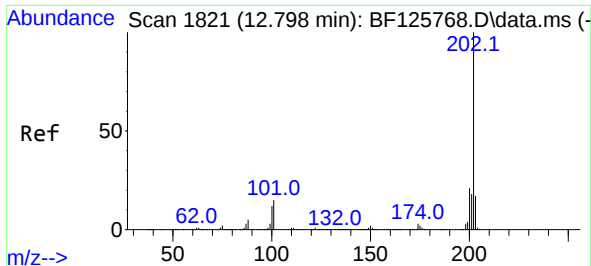


#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36



Tgt Ion:240 Resp: 432345
Ion Ratio Lower Upper
240 100
120 14.4 10.8 16.2
236 25.8 21.6 32.4





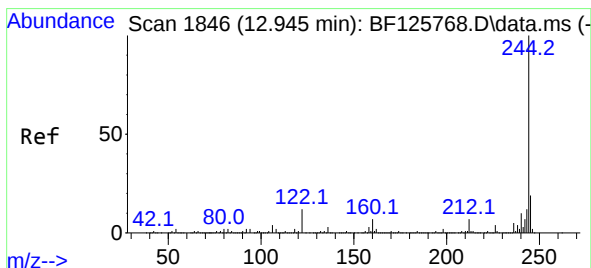
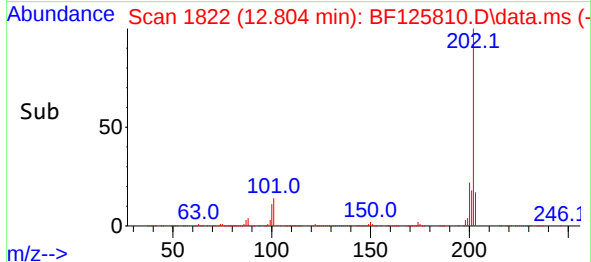
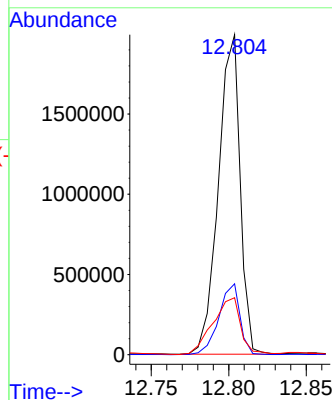
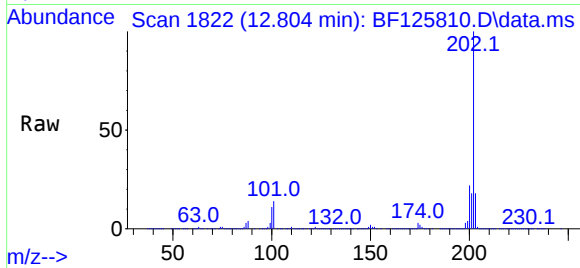
#78
Pyrene
Concen: 44.28 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.006 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion:202 Resp: 1944836
Ion Ratio Lower Upper
202 100
200 22.1 15.3 22.9
203 17.8 13.4 20.0

Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

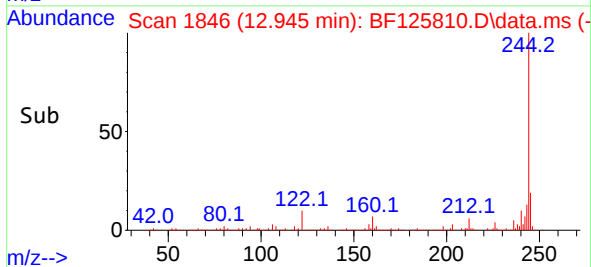
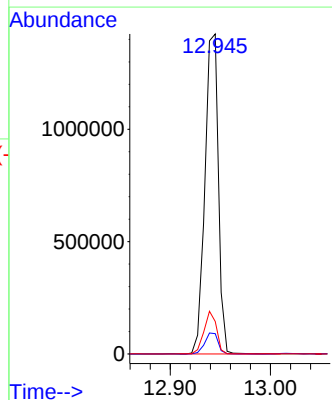
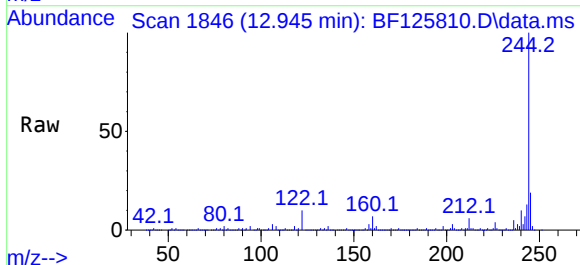
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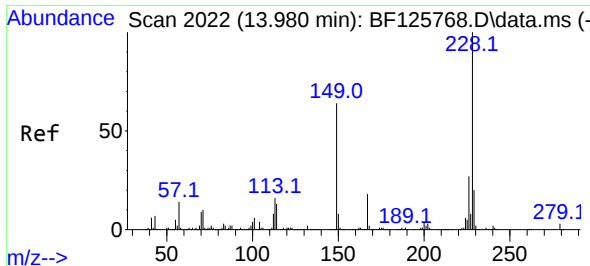
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#79
Terphenyl-d14
Concen: 47.09 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.000 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion:244 Resp: 1336669
Ion Ratio Lower Upper
244 100
212 6.4 5.9 8.9
122 10.1 9.0 13.4





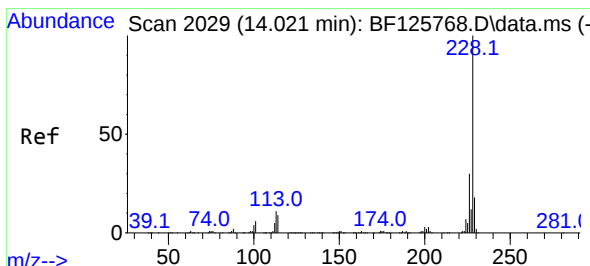
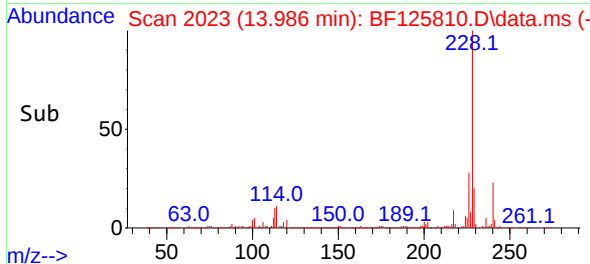
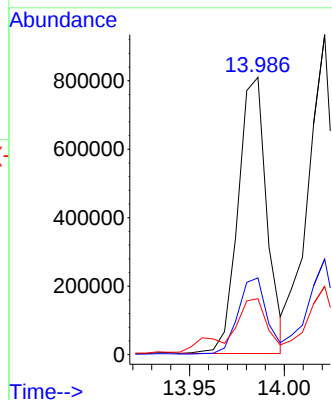
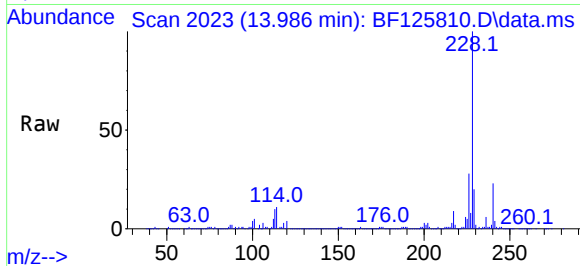
#81
Benzo(a)anthracene
Concen: 30.35 ng
RT: 13.986 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion:228 Resp: 851364
Ion Ratio Lower Upper
228 100
226 27.7 21.6 32.4
229 20.2 15.6 23.4

Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

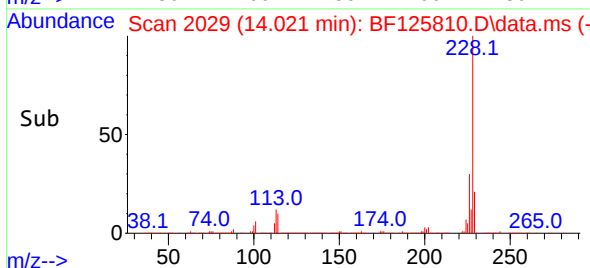
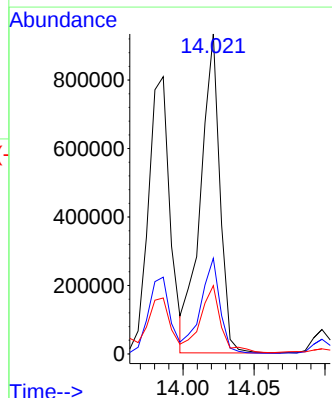
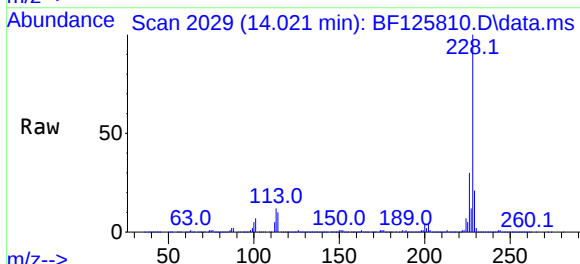
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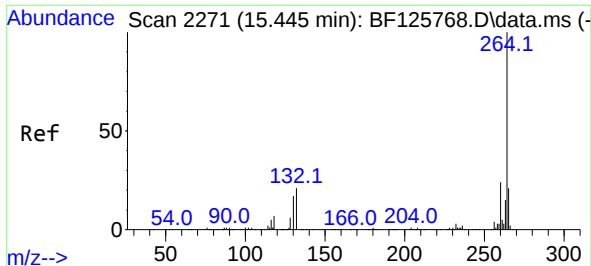
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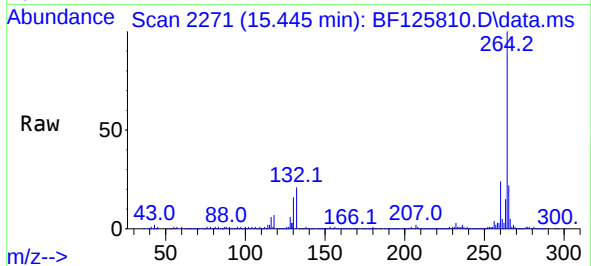
#83
Chrysene
Concen: 31.88 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion:228 Resp: 884003
Ion Ratio Lower Upper
228 100
226 29.9 22.6 34.0
229 21.4 15.9 23.9

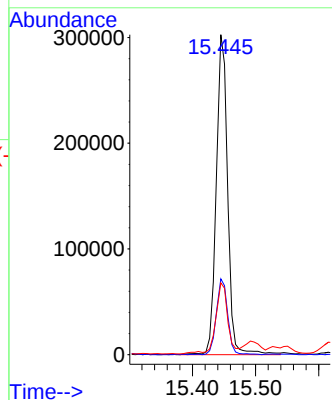
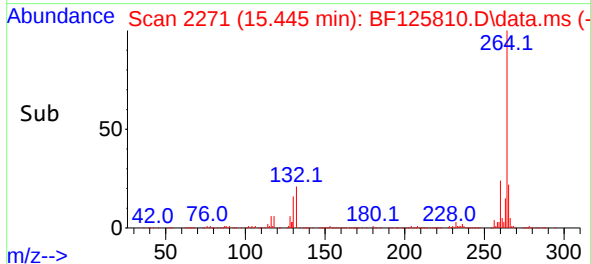




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36



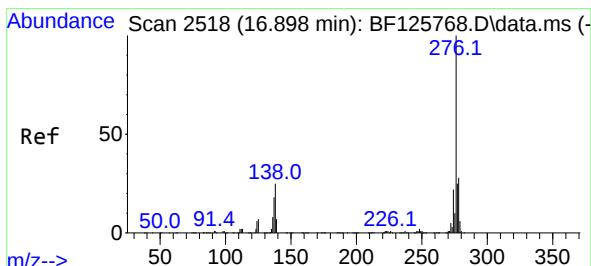
Tgt Ion:264 Resp: 378994
Ion Ratio Lower Upper
264 100
260 23.7 19.6 29.4
265 22.5 17.2 25.8



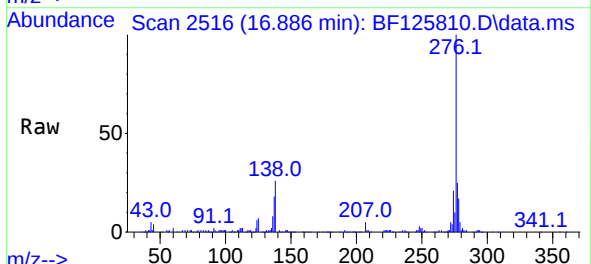
Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

Manual Integrations
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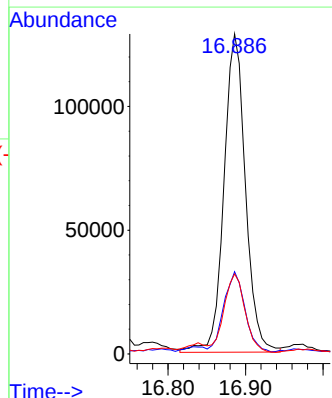
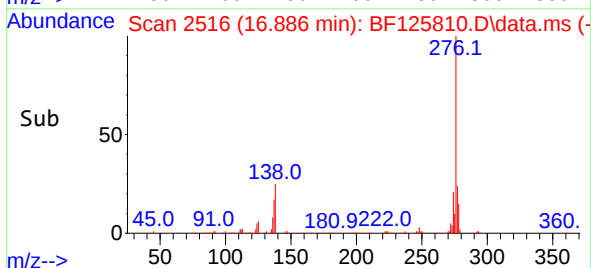
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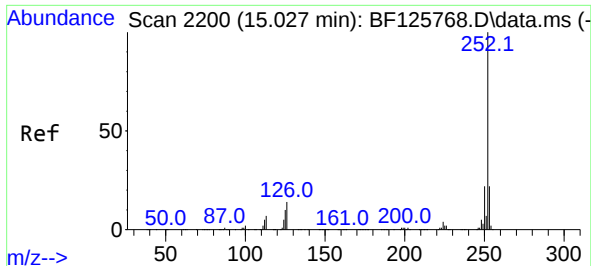


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.61 ng
RT: 16.886 min Scan# 2516
Delta R.T. -0.012 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

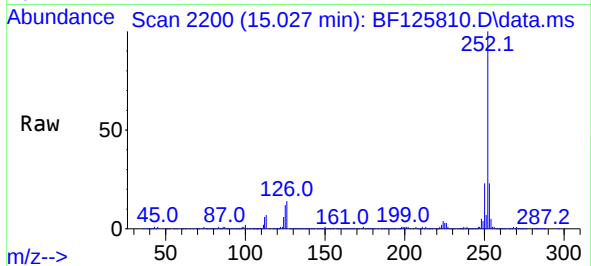


Tgt Ion:276 Resp: 248922
Ion Ratio Lower Upper
276 100
138 24.8 24.1 36.1
277 24.0 18.8 28.2

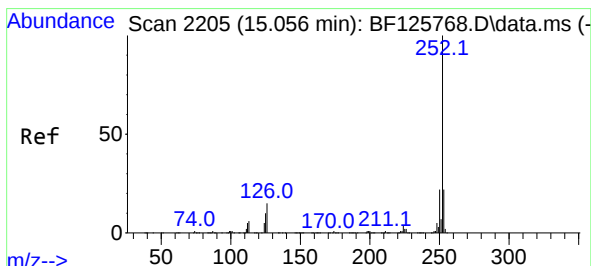
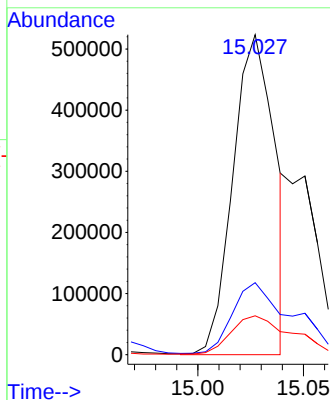
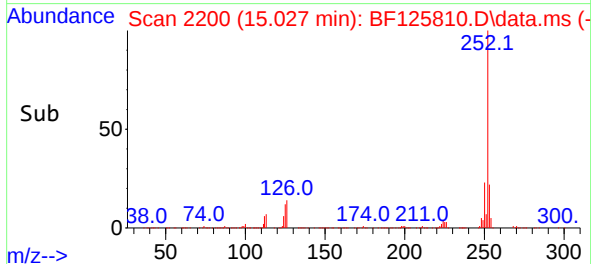




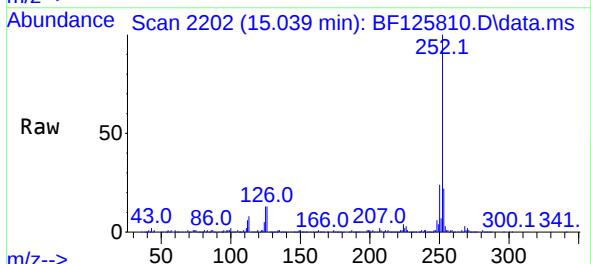
#88
Benzo(b)fluoranthene
Concen: 33.74 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.000 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36



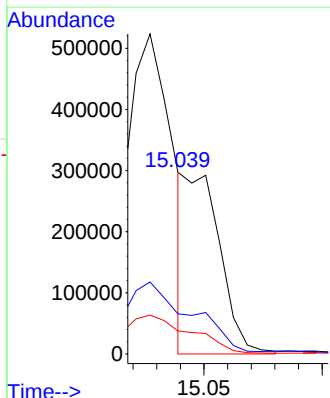
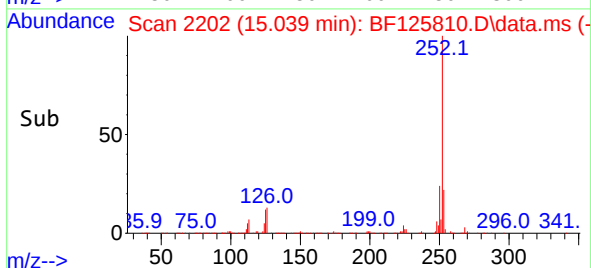
Tgt Ion:252 Resp: 721887
Ion Ratio Lower Upper
252 100
253 22.5 16.8 25.2
125 12.1 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 13.51 ng m
RT: 15.039 min Scan# 2202
Delta R.T. -0.018 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36



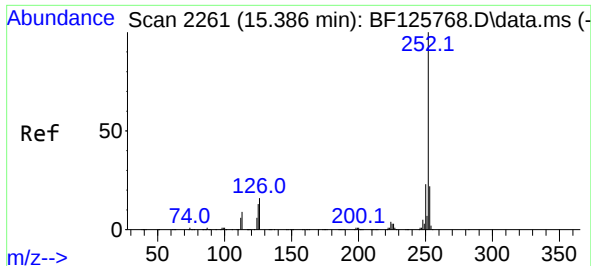
Tgt Ion:252 Resp: 296744
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 12.7 7.2 10.8#



Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

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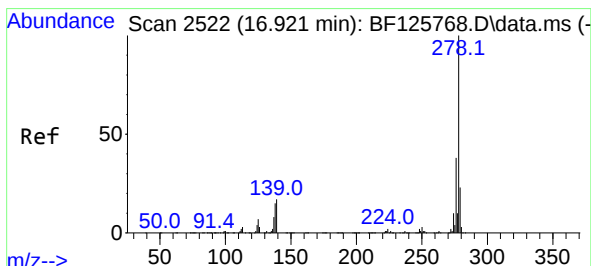
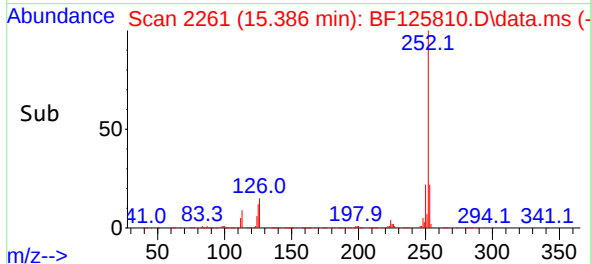
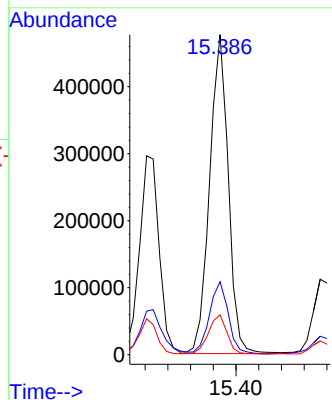
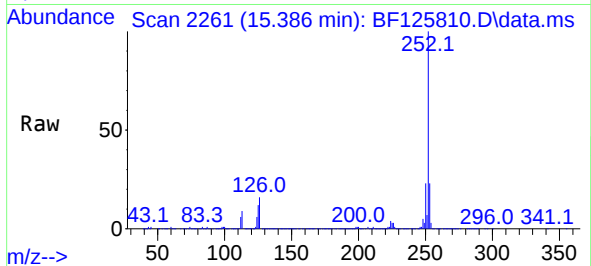
#90
Benzo(a)pyrene
Concen: 28.70 ng
RT: 15.386 min Scan# 2261
Delta R.T. 0.000 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion:252 Resp: 543760
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 12.4 9.9 14.9

Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

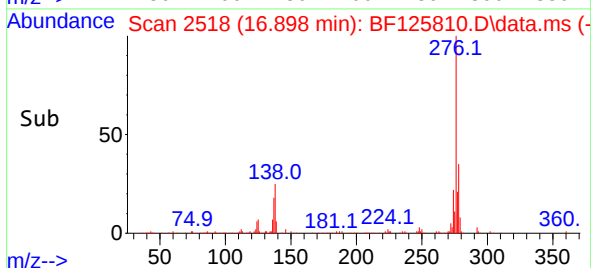
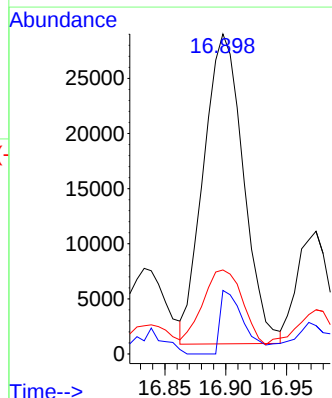
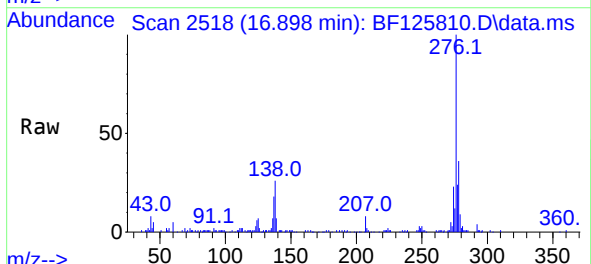
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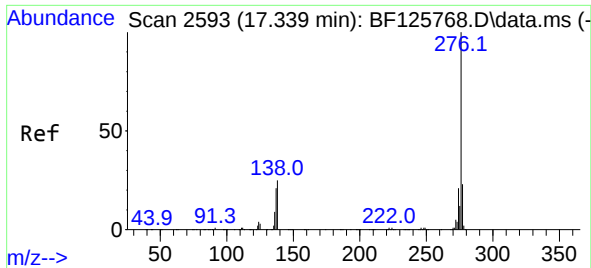
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#91
Dibenzo(a,h)anthracene
Concen: 2.68 ng
RT: 16.898 min Scan# 2518
Delta R.T. -0.023 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion:278 Resp: 63902
Ion Ratio Lower Upper
278 100
139 19.9 14.9 22.3
279 26.2 19.7 29.5





#92
Benzo(g,h,i)perylene
Concen: 9.27 ng
RT: 17.321 min Scan# 2590
Delta R.T. -0.018 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion: 276 Resp: 225994
Ion Ratio Lower Upper
276 100
277 23.5 22.0 33.0
138 24.8 22.2 33.4

Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

Manual Integrations
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