

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101321\
 Data File : BF125827.D
 Acq On : 13 Oct 2021 15:17
 Operator : JU/CG
 Sample : M4142-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-330

Manual Integrations
 APPROVED

mohammad
 10/14/2021 10:55:21 AM

Quant Time: Oct 14 01:19:32 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 13 13:23:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	179789	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	662733	20.00	ng	# 0.00
39) Acenaphthene-d10	9.892	164	207953	20.00	ng	0.01
64) Phenanthrene-d10	11.416	188	162705	20.00	ng	# 0.05
76) Chrysene-d12	14.039	240	324261	20.00	ng	0.04
86) Perylene-d12	15.468	264	327150	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	1076910	97.85	ng	0.00
7) Phenol-d6	6.469	99	1289758	91.03	ng	0.00
23) Nitrobenzene-d5	7.404	82	743584	69.74	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	199333	97.09	ng	0.02
45) 2-Fluorobiphenyl	9.204	172	1201847	99.68	ng	0.00
79) Terphenyl-d14	13.010	244	664634	31.22	ng	0.06
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.839	142	53035	2.56	ng	100
38) 1-Methylnaphthalene	8.939	142	58048	2.88	ng	99
46) 1,1'-Biphenyl	9.304	154	48373	3.16	ng	92
49) Acenaphthylene	9.745	152	154141	8.48	ng	# 56
52) Acenaphthene	9.922	154	25898	2.28	ng	# 52
58) Fluorene	10.445	166	67853	5.44	ng	# 43
71) Phenanthrene	11.439	178	350641	40.28	ng	# 72
72) Anthracene	11.492	178	84493	9.72	ng	# 2
75) Fluoranthene	12.657	202	693472	88.28	ng	91
78) Pyrene	12.886	202	823722	25.00	ng	# 93
81) Benzo(a)anthracene	14.027	228	743986	35.36	ng	93
83) Chrysene	14.068	228	1360211	65.41	ng	97
84) Bis(2-ethylhexyl)phtha...	14.004	149	32982	2.87	ng	# 64
87) Indeno(1,2,3-cd)pyrene	16.909	276	352179	14.10	ng	# 93
88) Benzo(b)fluoranthene	15.056	252	1456091m	78.84	ng	
89) Benzo(k)fluoranthene	15.080	252	339737m	17.92	ng	
90) Benzo(a)pyrene	15.409	252	619656	37.88	ng	99
91) Dibenzo(a,h)anthracene	16.921	278	88860	4.31	ng	99
92) Benzo(g,h,i)perylene	17.350	276	315791	15.01	ng	95

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

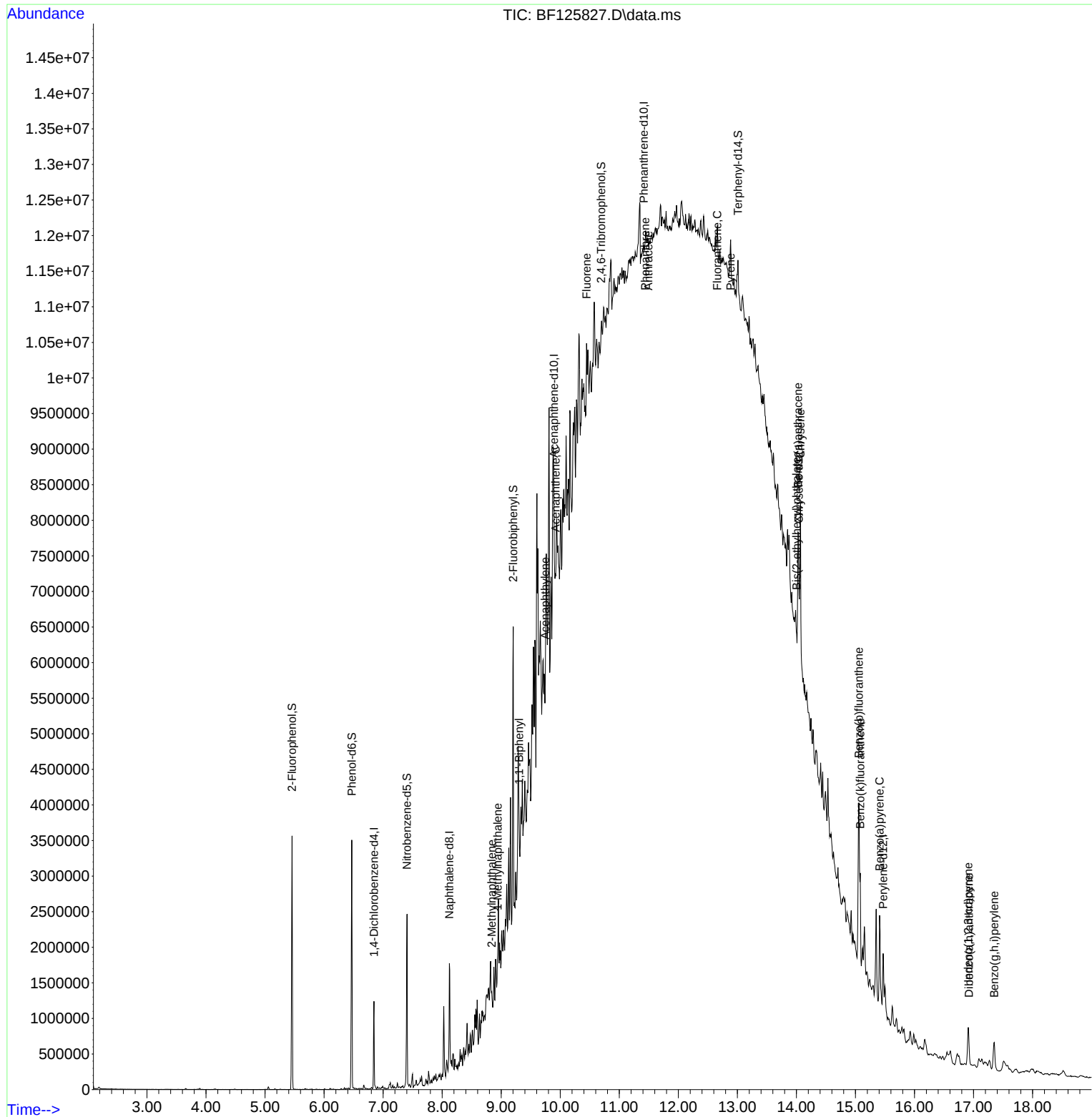
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101321\
Data File : BF125827.D
Acq On : 13 Oct 2021 15:17
Operator : JU/CG
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ALS Vial : 12 Sample Multiplier: 1

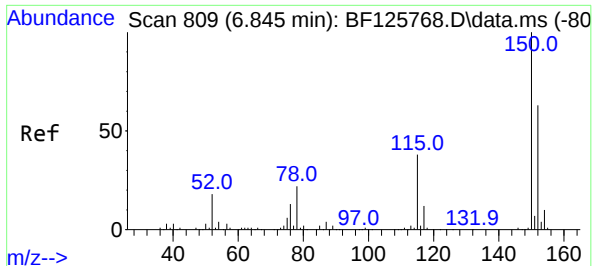
Instrument :
BNA_F
ClientSampled :
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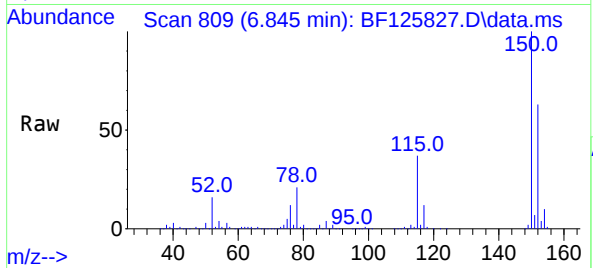
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Quant Time: Oct 14 01:19:32 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 13 13:23:32 2021
Response via : Initial Calibration

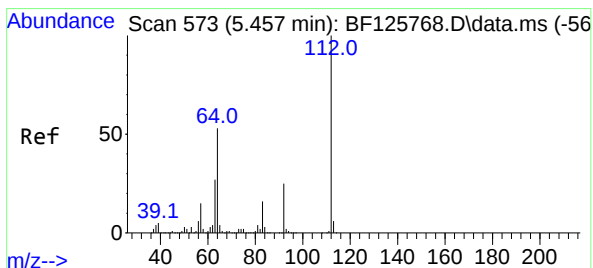
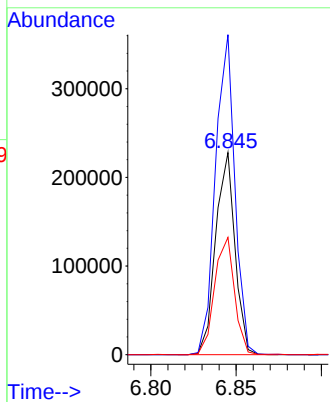
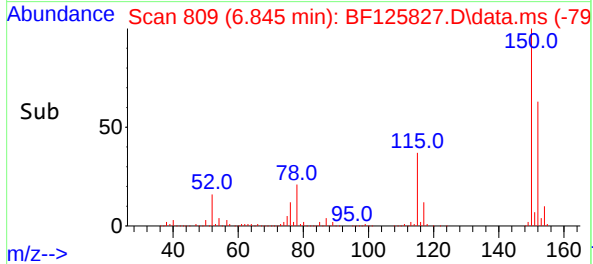




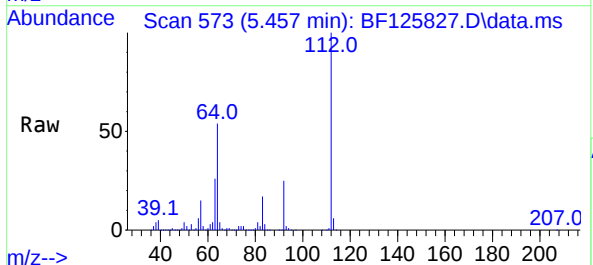
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.845 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17



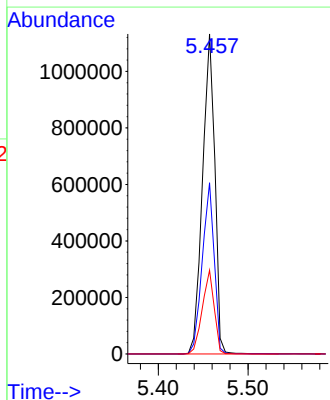
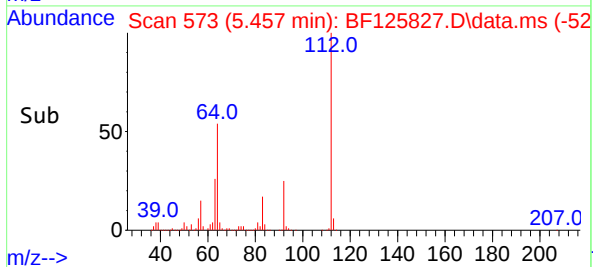
Tgt Ion:152 Resp: 179789
Ion Ratio Lower Upper
152 100
150 158.4 117.6 176.4
115 58.0 47.1 70.7



#5
2-Fluorophenol
Concen: 97.85 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17



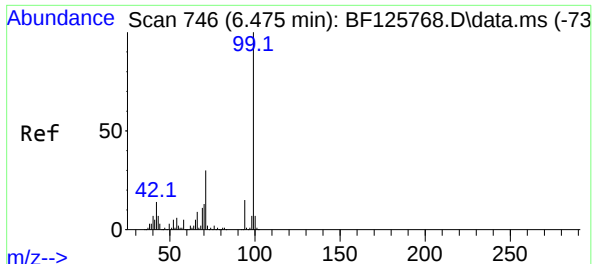
Tgt Ion:112 Resp: 1076910
Ion Ratio Lower Upper
112 100
64 53.5 44.2 66.2
63 26.2 26.2 39.2



Instrument :
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#7
Phenol-d6
Concen: 91.03 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17

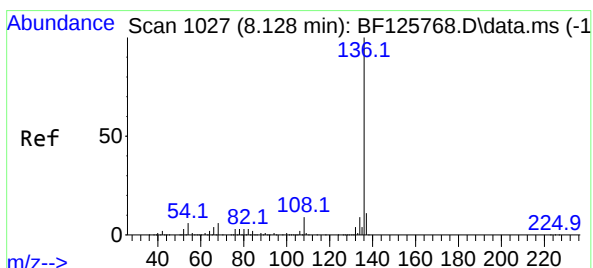
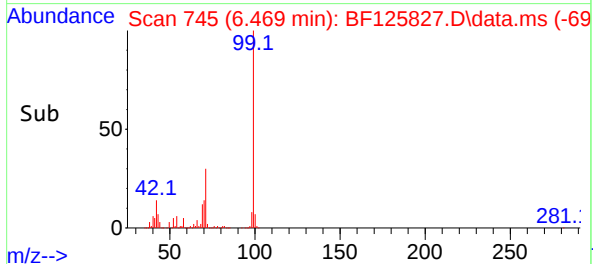
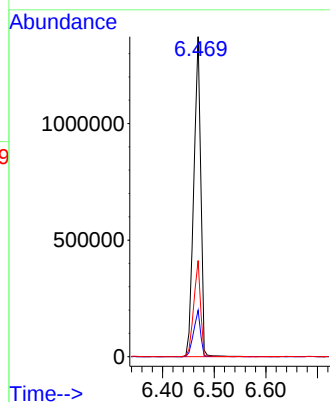
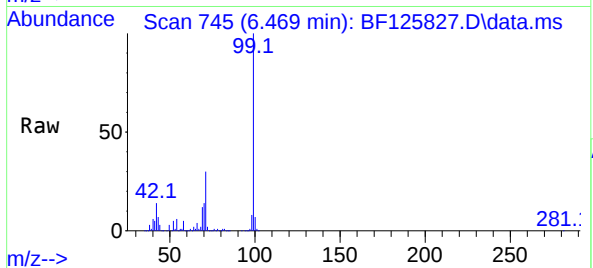
Tgt Ion: 99 Resp: 1289758

Ion	Ratio	Lower	Upper
99	100		
42	14.5	23.5	35.3#
71	30.1	25.6	38.4

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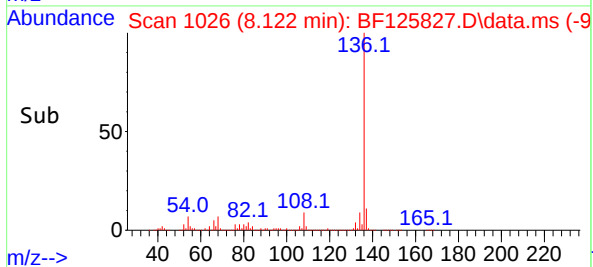
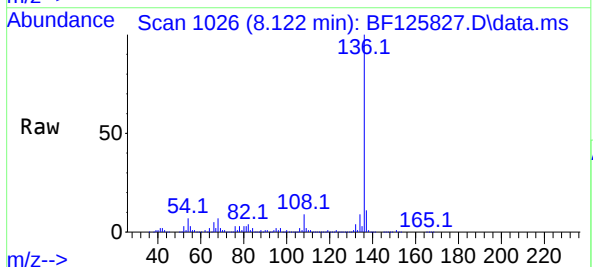
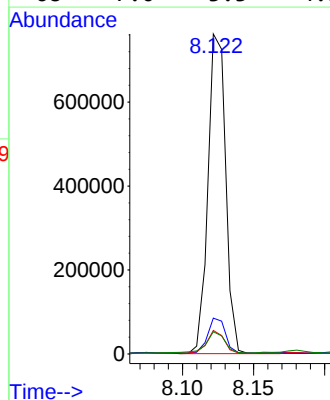
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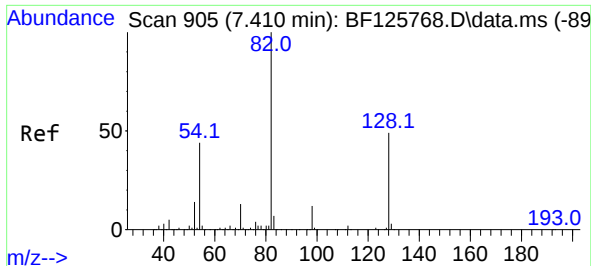


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17

Tgt Ion: 136 Resp: 662733

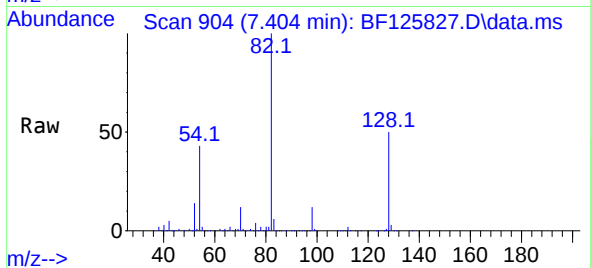
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.8	14.6
54	7.3	6.4	9.6
68	7.0	3.3	4.9#





#23
Nitrobenzene-d5
Concen: 69.74 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17

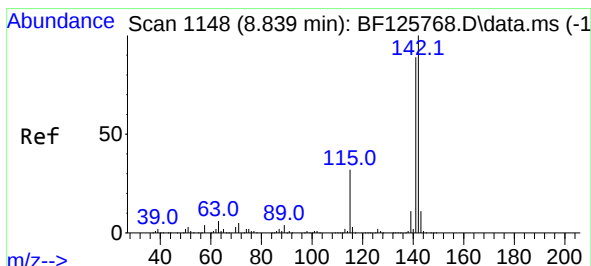
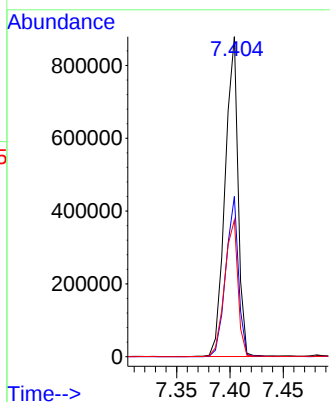
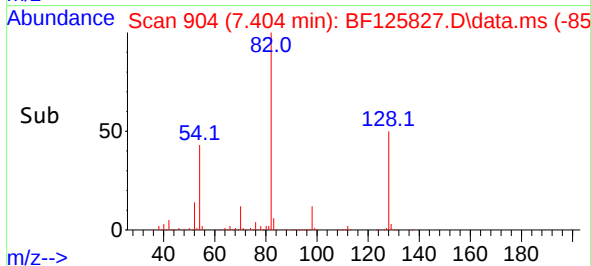
Instrument :
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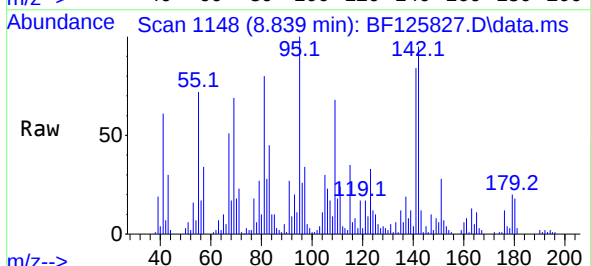
Tgt Ion: 82 Resp: 743584
Ion Ratio Lower Upper
82 100
128 50.1 40.6 60.8
54 42.7 49.6 74.4#

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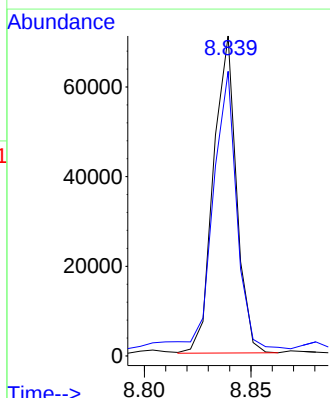
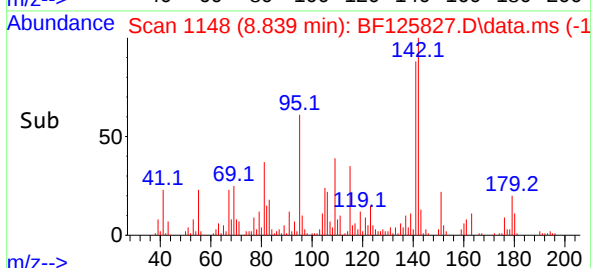
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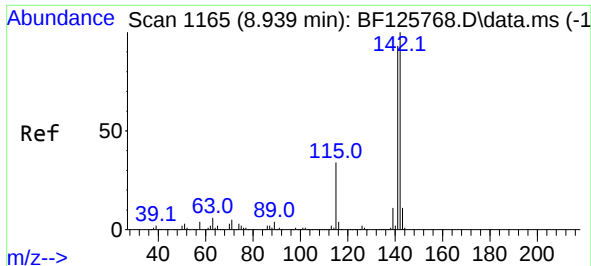


#37
2-Methylnaphthalene
Concen: 2.56 ng
RT: 8.839 min Scan# 1148
Delta R.T. -0.000 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17



Tgt Ion: 142 Resp: 53035
Ion Ratio Lower Upper
142 100
141 89.0 71.2 106.8





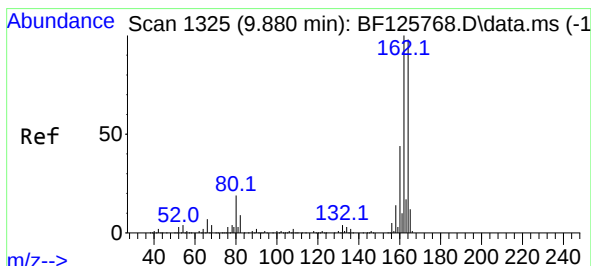
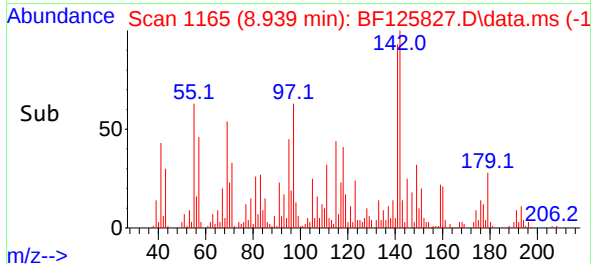
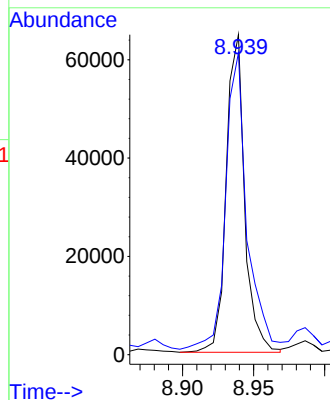
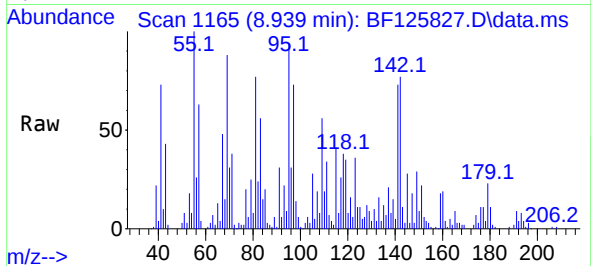
#38
1-Methylnaphthalene
Concen: 2.88 ng
RT: 8.939 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17

Tgt Ion:142 Resp: 58048
Ion Ratio Lower Upper
142 100
141 94.3 76.0 114.0

Instrument :
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ClientSampled :
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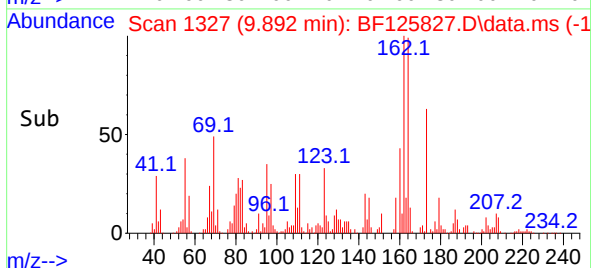
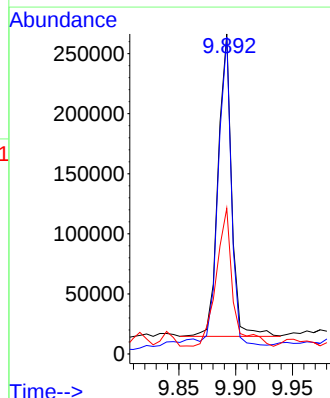
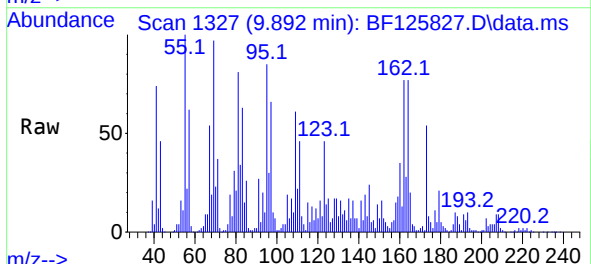
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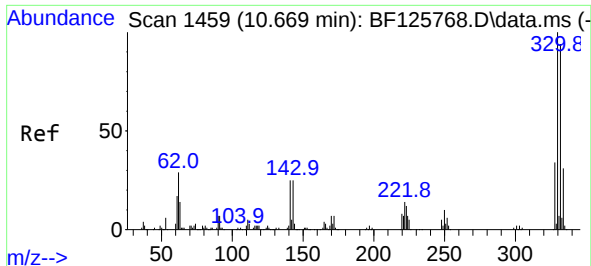
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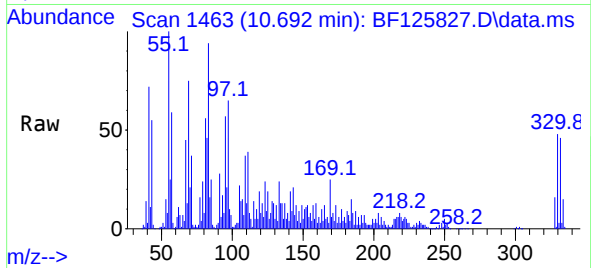
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.012 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17

Tgt Ion:164 Resp: 207953
Ion Ratio Lower Upper
164 100
162 99.0 81.3 121.9
160 45.5 38.0 57.0

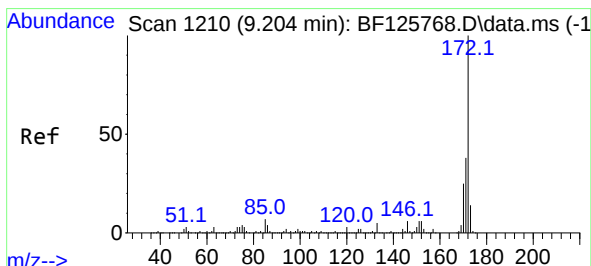
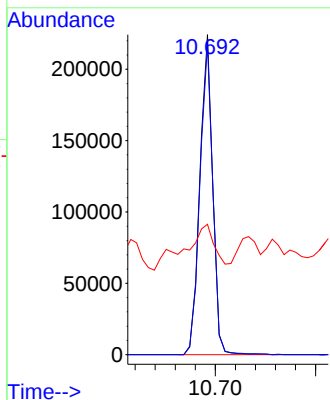
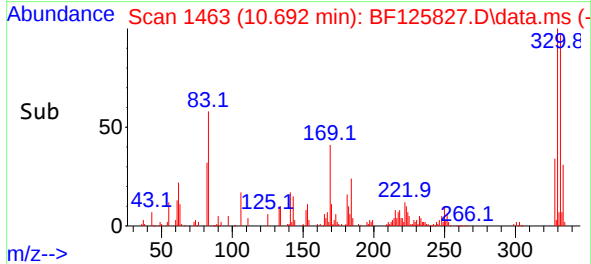




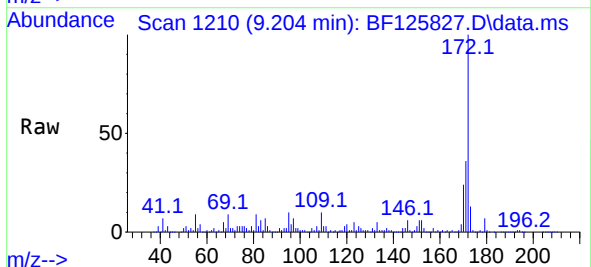
#42
2,4,6-Tribromophenol
Concen: 97.09 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.023 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17



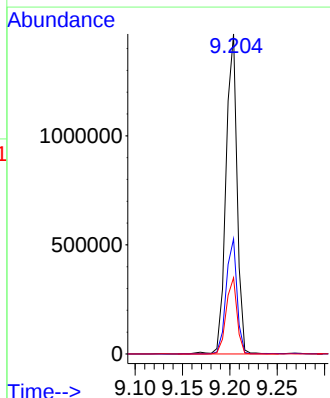
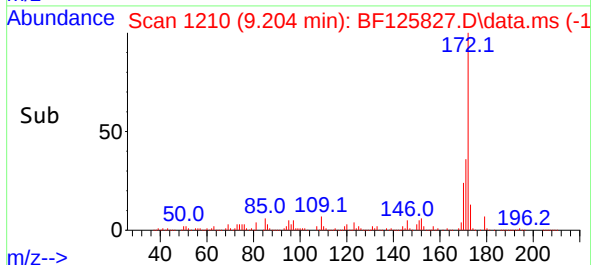
Tgt Ion: 330 Resp: 199333
Ion Ratio Lower Upper
330 100
332 97.9 76.2 114.4
141 20.2 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 99.68 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.000 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17



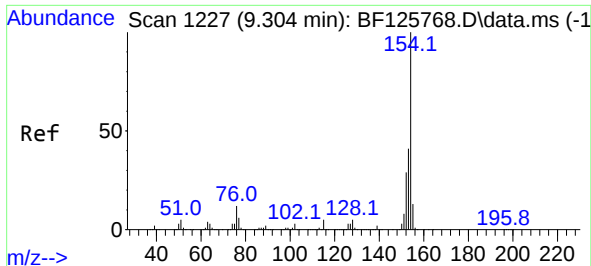
Tgt Ion: 172 Resp: 1201847
Ion Ratio Lower Upper
172 100
171 36.0 26.5 39.7
170 23.8 18.8 28.2



Instrument :
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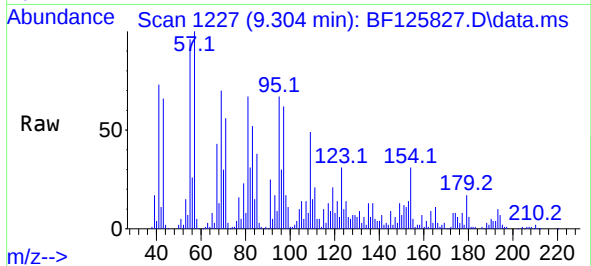
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#46
1,1'-Biphenyl
Concen: 3.16 ng
RT: 9.304 min Scan# 1227
Delta R.T. -0.000 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17

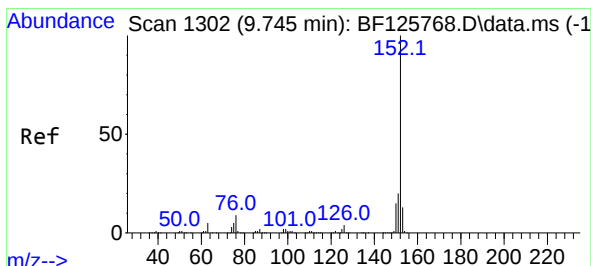
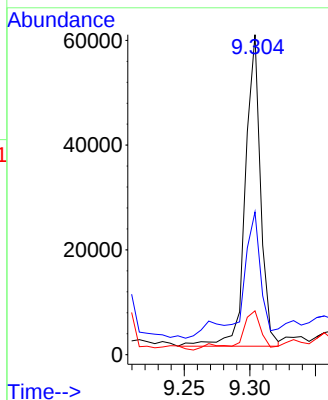
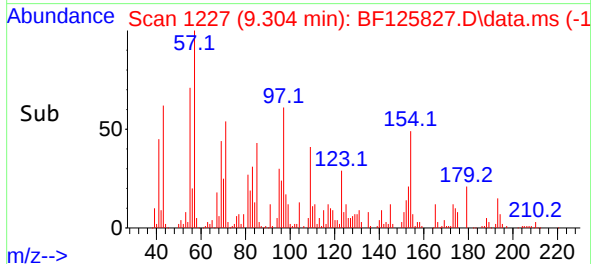
Instrument :
BNA_F
ClientSampled :
ETGI-330



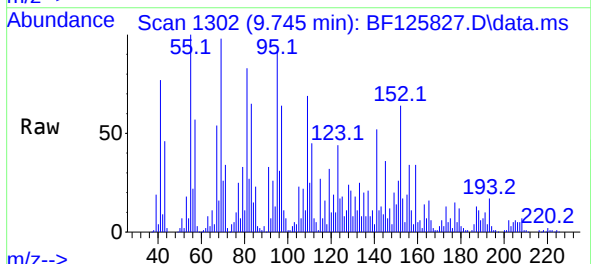
Tgt Ion:154 Resp: 48373
Ion Ratio Lower Upper
154 100
153 44.6 20.0 60.0
76 13.7 0.0 30.3

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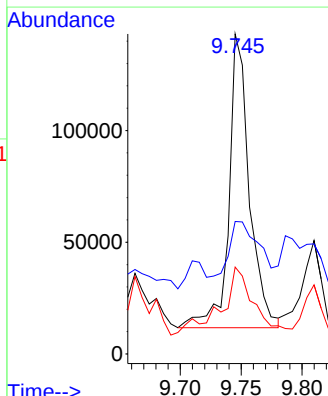
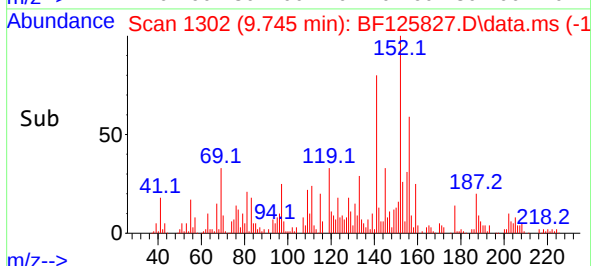
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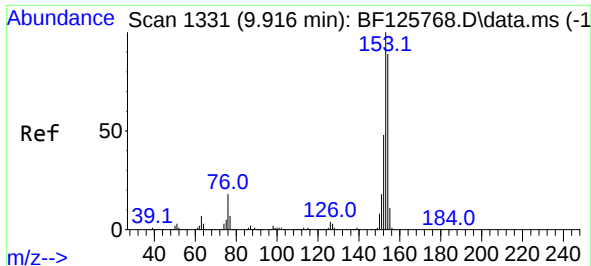


#49
Acenaphthylene
Concen: 8.48 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.000 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17



Tgt Ion:152 Resp: 154141
Ion Ratio Lower Upper
152 100
151 41.4 15.7 23.5#
153 27.2 9.8 14.8#





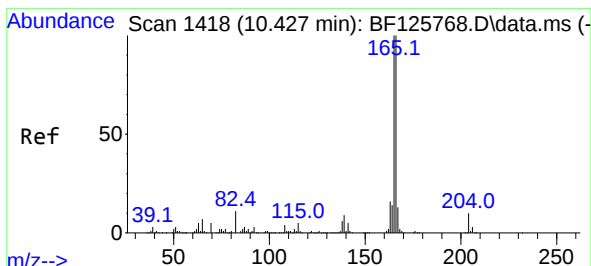
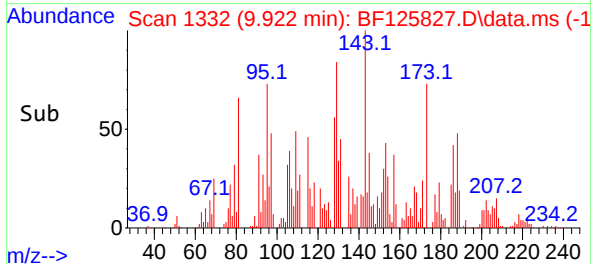
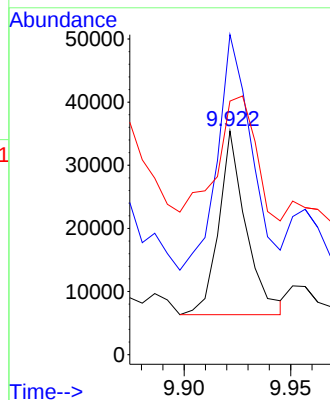
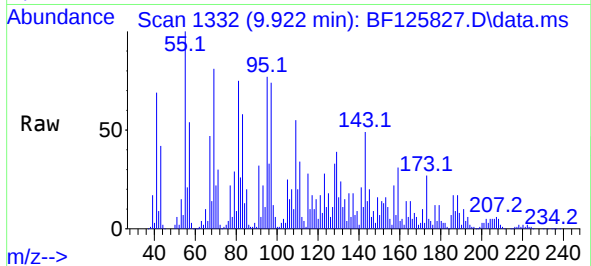
#52
Acenaphthene
Concen: 2.28 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17

Tgt Ion:154 Resp: 25898
Ion Ratio Lower Upper
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153 143.1 89.4 134.2#
152 113.4 40.5 60.7#

Instrument :
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ClientSampled :
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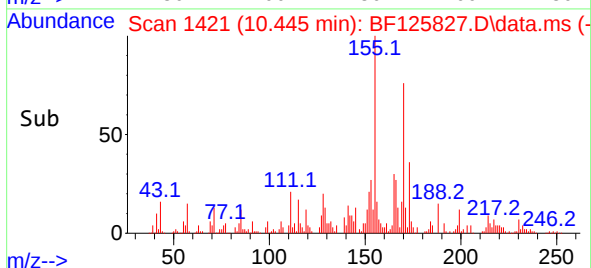
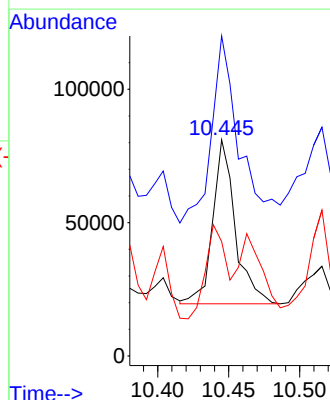
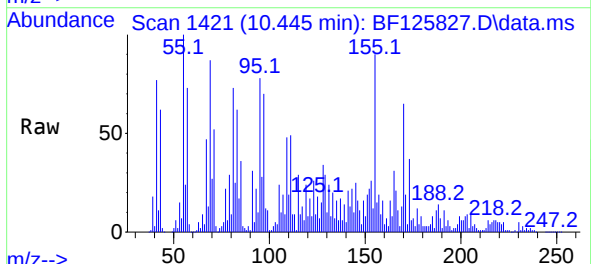
Manual Integrations
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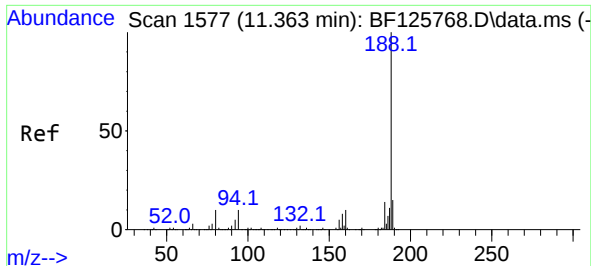
mohammad
10/14/2021 10:55:21 AM



#58
Fluorene
Concen: 5.44 ng
RT: 10.445 min Scan# 1421
Delta R.T. 0.017 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17

Tgt Ion:166 Resp: 67853
Ion Ratio Lower Upper
166 100
165 148.0 78.1 117.1#
167 52.9 11.1 16.7#





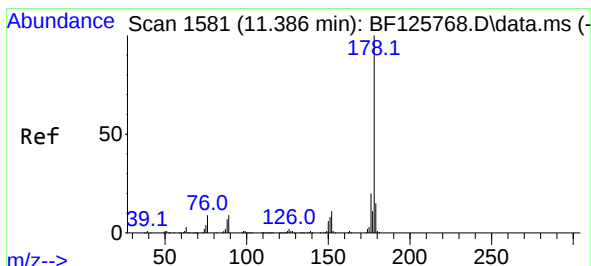
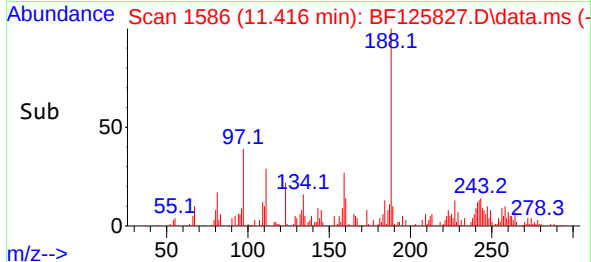
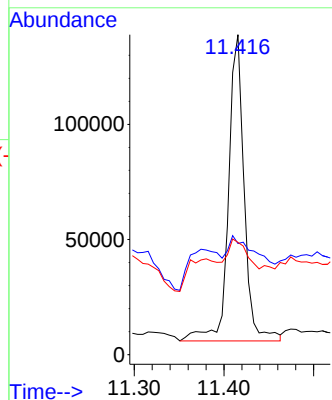
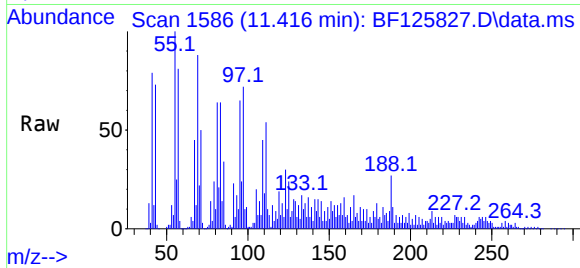
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.053 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17

Tgt Ion:188 Resp: 162705
Ion Ratio Lower Upper
188 100
94 34.8 6.7 10.1#
80 35.1 7.5 11.3#

Instrument :
BNA_F
ClientSampleId :
ETGI-330

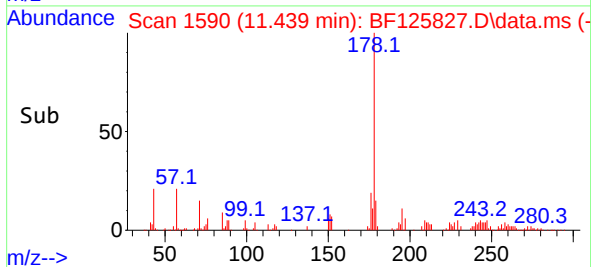
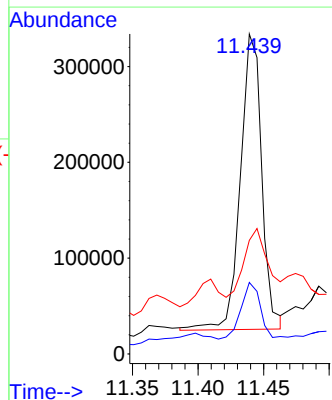
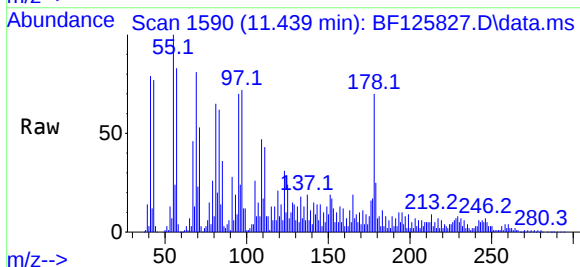
Manual Integrations
APPROVED

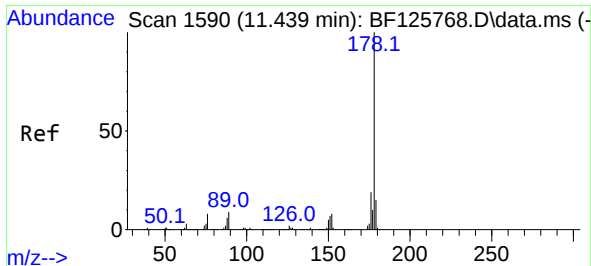
mohammad
10/14/2021 10:55:21 AM



#71
Phenanthrene
Concen: 40.28 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.047 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17

Tgt Ion:178 Resp: 350641
Ion Ratio Lower Upper
178 100
176 22.4 14.7 22.1#
179 35.5 11.5 17.3#





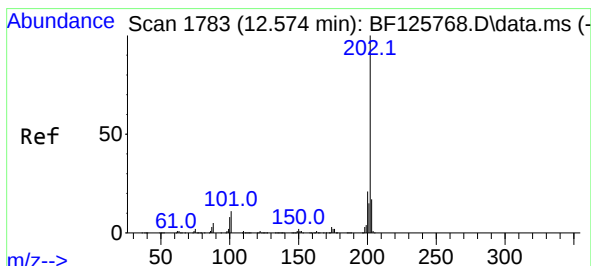
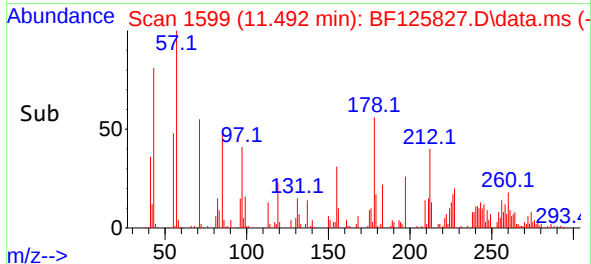
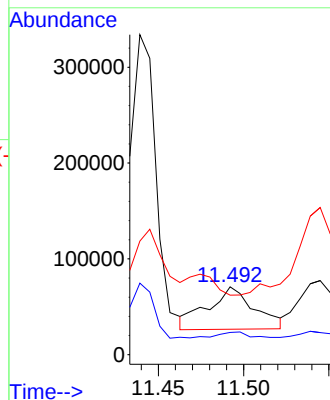
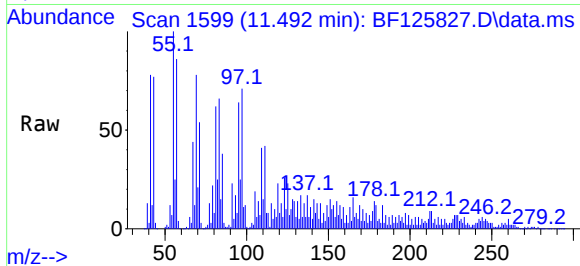
#72
Anthracene
Concen: 9.72 ng
RT: 11.492 min Scan# 1599
Delta R.T. 0.053 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17

Tgt Ion:178 Resp: 84493
Ion Ratio Lower Upper
178 100
176 32.7 14.3 21.5#
179 87.7 12.2 18.4#

Instrument :
BNA_F
ClientSampled :
ETGI-330

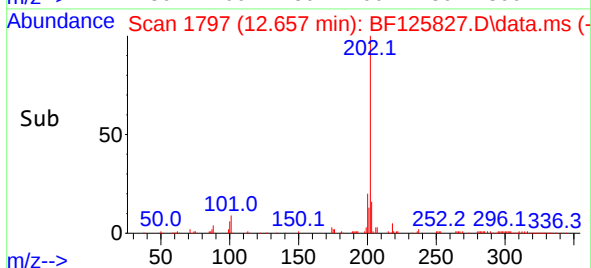
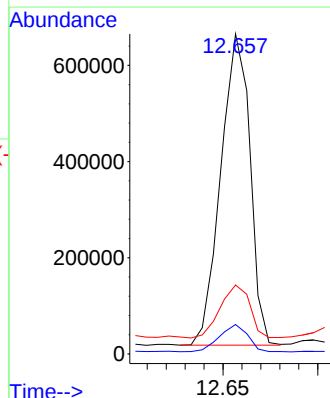
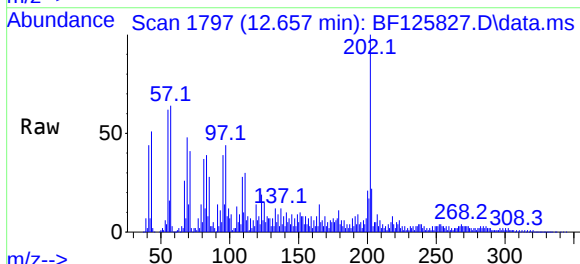
Manual Integrations
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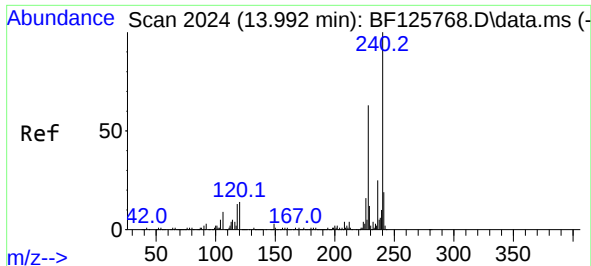
mohammad
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#75
Fluoranthene
Concen: 88.28 ng
RT: 12.657 min Scan# 1797
Delta R.T. 0.082 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17

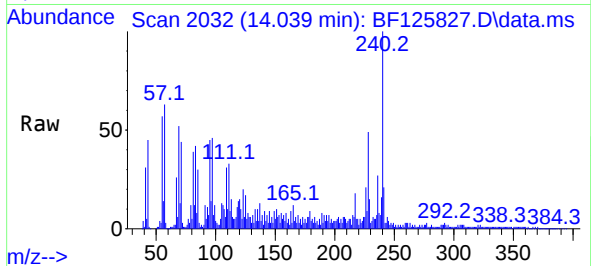
Tgt Ion:202 Resp: 693472
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.7
203 21.5 0.0 36.3





#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.041 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17

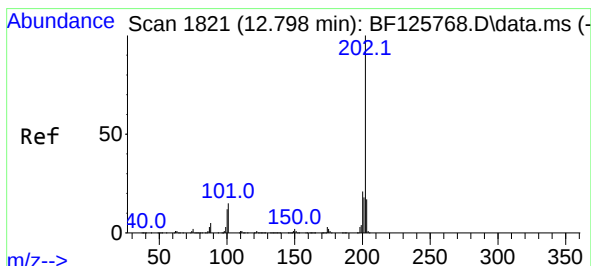
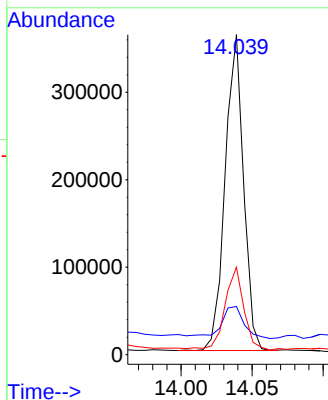
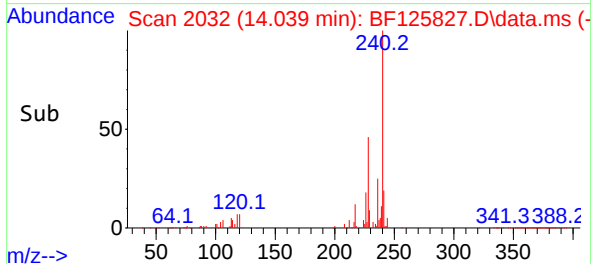
Instrument :
BNA_F
ClientSampled :
ETGI-330



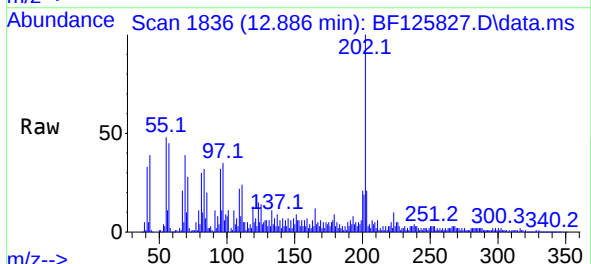
Tgt Ion:240 Resp: 324261
Ion Ratio Lower Upper
240 100
120 15.0 10.8 16.2
236 27.4 21.6 32.4

Manual Integrations
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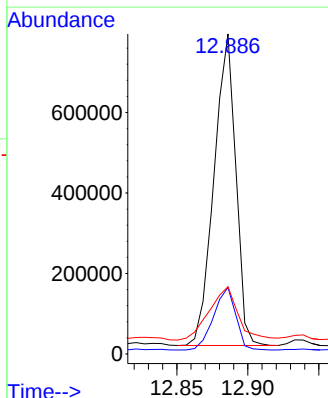
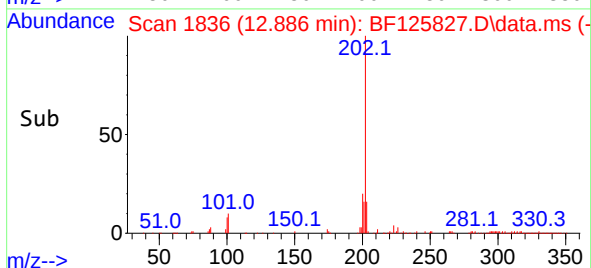
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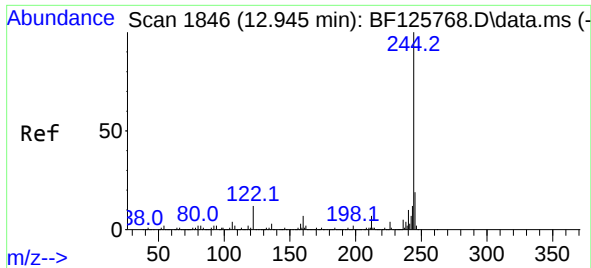


#78
Pyrene
Concen: 25.00 ng
RT: 12.886 min Scan# 1836
Delta R.T. 0.082 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17



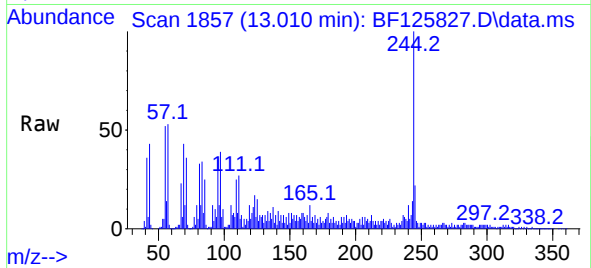
Tgt Ion:202 Resp: 823722
Ion Ratio Lower Upper
202 100
200 20.8 15.3 22.9
203 21.0 13.4 20.0#





#79
Terphenyl-d14
Concen: 31.22 ng
RT: 13.010 min Scan# 1857
Delta R.T. 0.065 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17

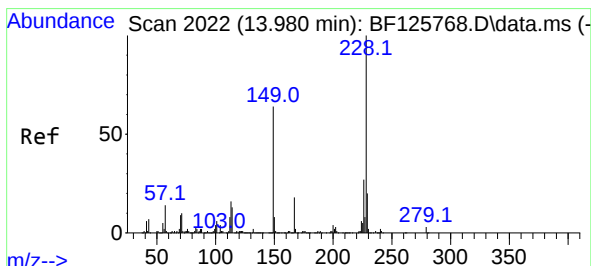
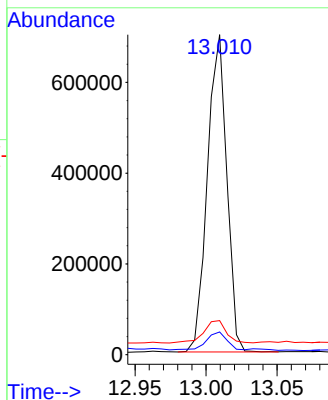
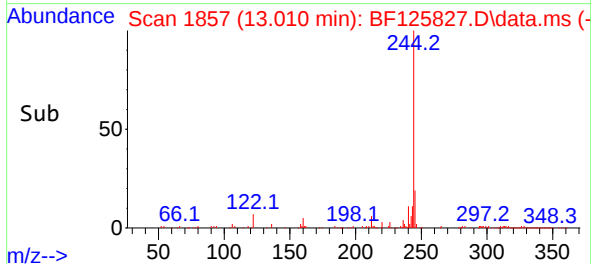
Instrument :
BNA_F
ClientSampleId :
ETGI-330



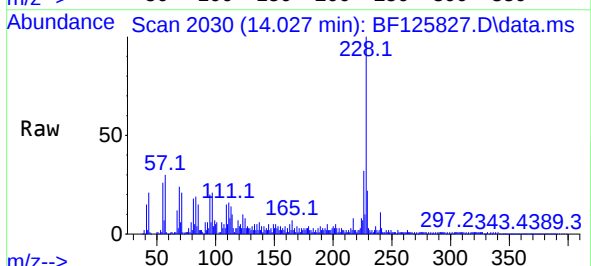
Tgt Ion:244 Resp: 664634
Ion Ratio Lower Upper
244 100
212 7.1 5.9 8.9
122 10.7 9.0 13.4

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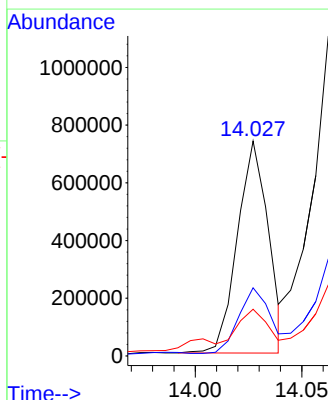
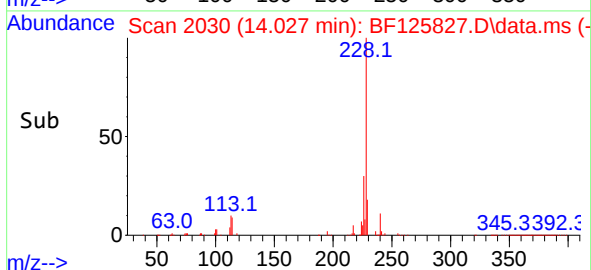
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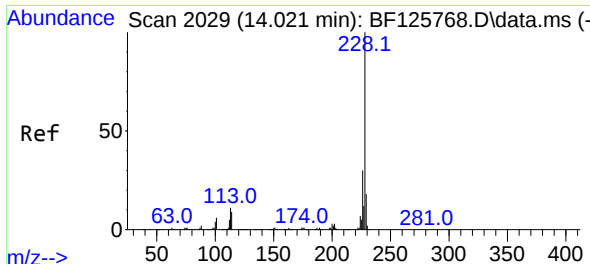


#81
Benzo(a)anthracene
Concen: 35.36 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.041 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17



Tgt Ion:228 Resp: 743986
Ion Ratio Lower Upper
228 100
226 31.7 21.6 32.4
229 21.7 15.6 23.4





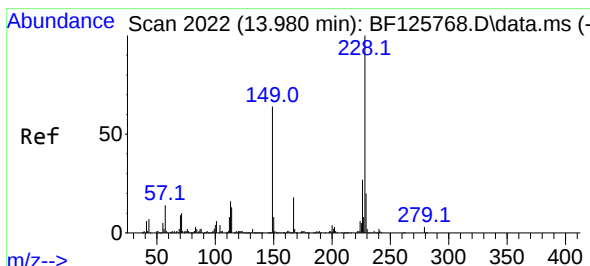
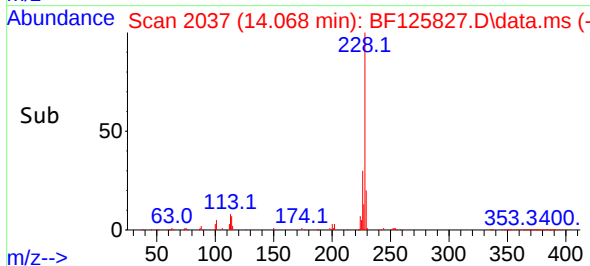
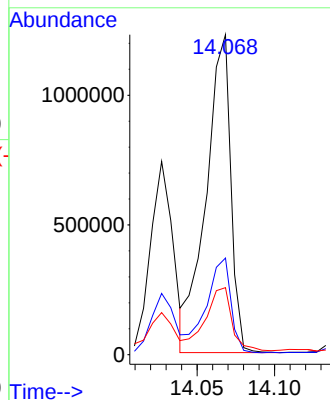
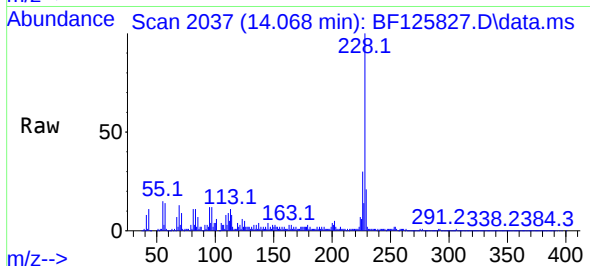
#83
Chrysene
Concen: 65.41 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.041 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17

Tgt Ion:228 Resp: 1360211
Ion Ratio Lower Upper
228 100
226 30.2 22.6 34.0
229 20.9 15.9 23.9

Instrument :
BNA_F
ClientSampled :
ETGI-330

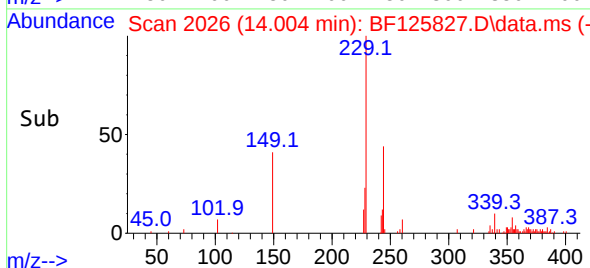
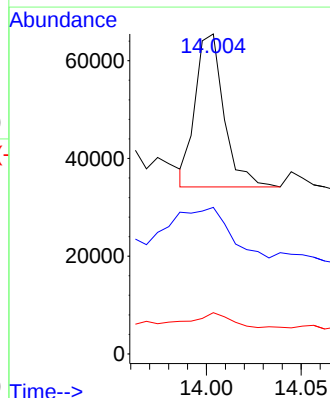
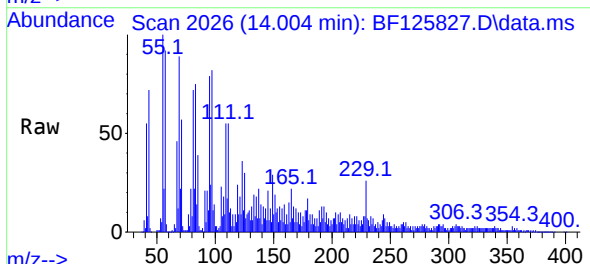
Manual Integrations
APPROVED

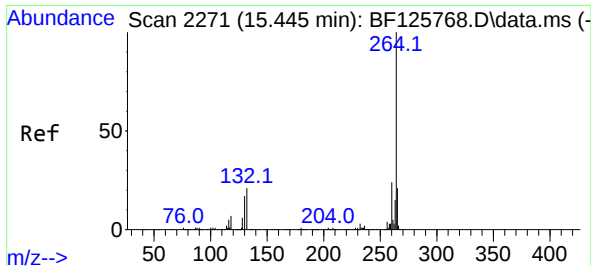
mohammad
10/14/2021 10:55:21 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.87 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.023 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17

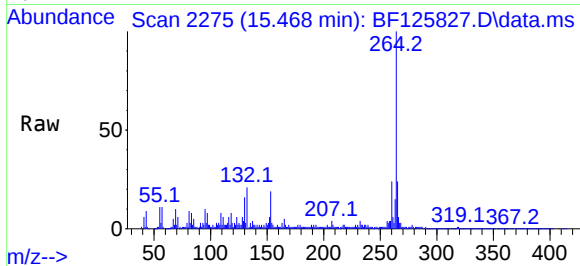
Tgt Ion:149 Resp: 32982
Ion Ratio Lower Upper
149 100
167 45.8 21.4 32.0#
279 12.9 2.6 4.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.468 min Scan# 2275
Delta R.T. 0.017 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17

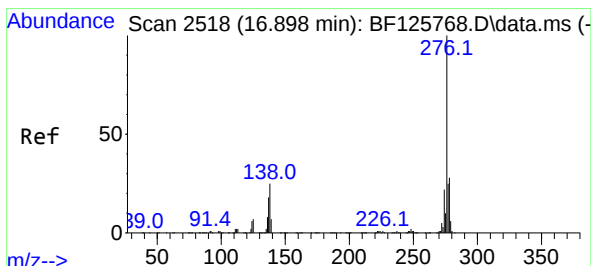
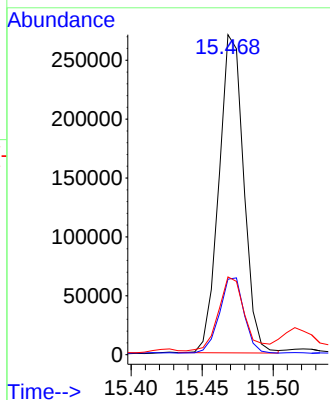
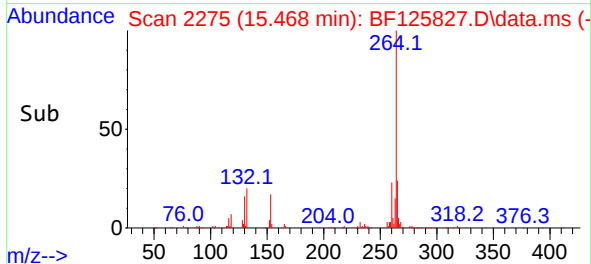
Instrument :
BNA_F
ClientSampled :
ETGI-330



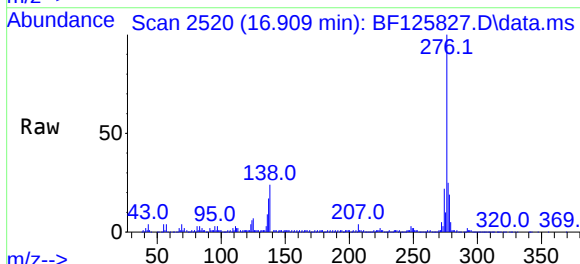
Tgt Ion:264 Resp: 327150
Ion Ratio Lower Upper
264 100
260 23.6 19.6 29.4
265 24.3 17.2 25.8

Manual Integrations
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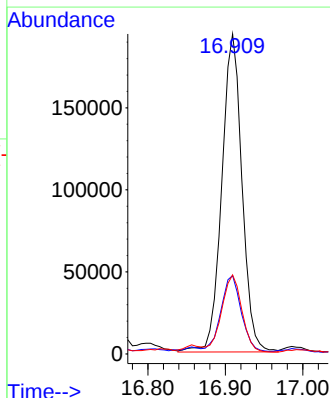
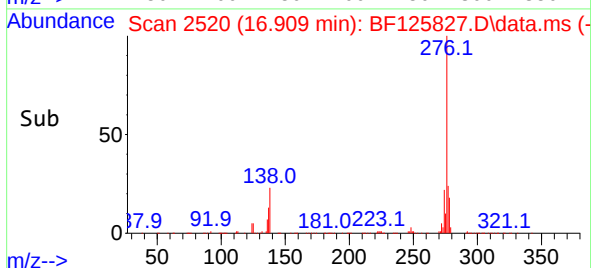
mohammad
10/14/2021 10:55:21 AM

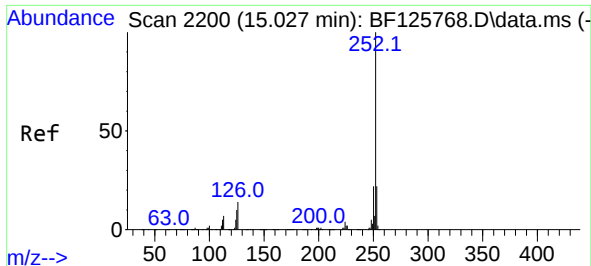


#87
Indeno(1,2,3-cd)pyrene
Concen: 14.10 ng
RT: 16.909 min Scan# 2520
Delta R.T. -0.000 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17



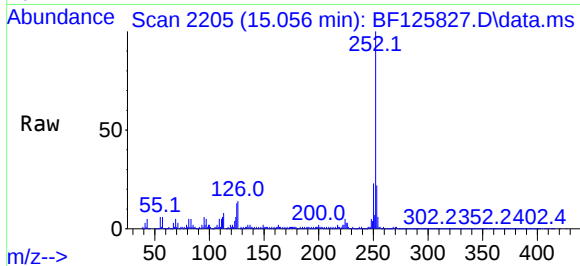
Tgt Ion:276 Resp: 352179
Ion Ratio Lower Upper
276 100
138 23.8 24.1 36.1#
277 24.1 18.8 28.2





#88
Benzo(b)fluoranthene
Concen: 78.84 ng m
RT: 15.056 min Scan# 2205
Delta R.T. 0.029 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17

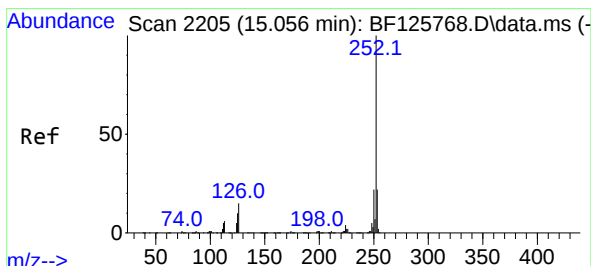
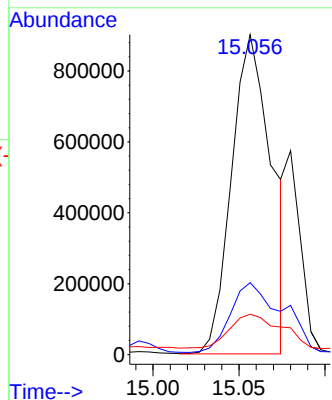
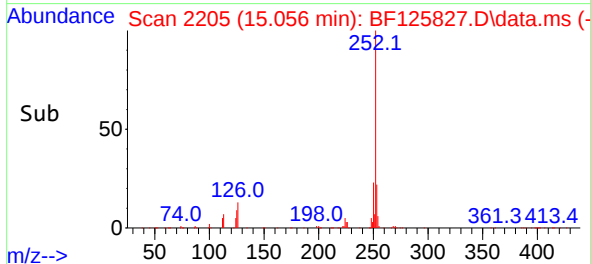
Instrument :
BNA_F
ClientSampleId :
ETGI-330



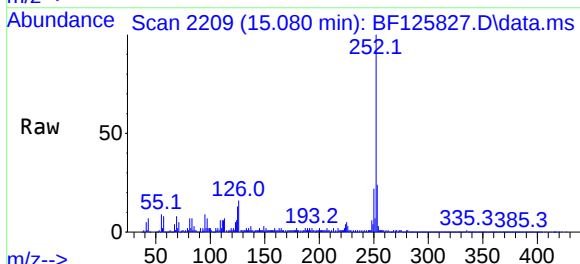
Tgt Ion:252 Resp: 1456091
Ion Ratio Lower Upper
252 100
253 22.5 16.8 25.2
125 12.7 9.8 14.8

Manual Integrations
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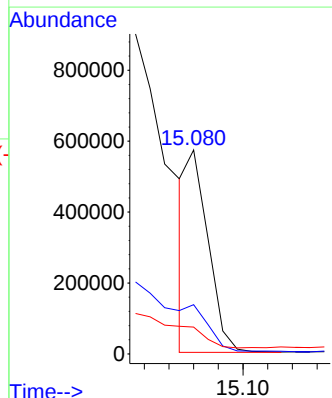
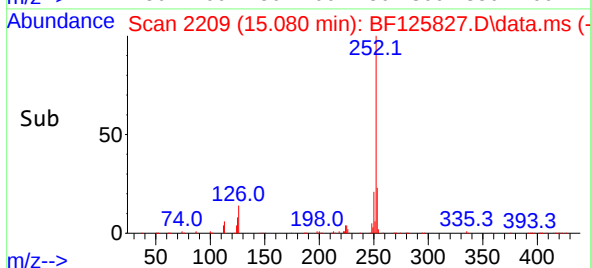
mohammad
10/14/2021 10:55:21 AM

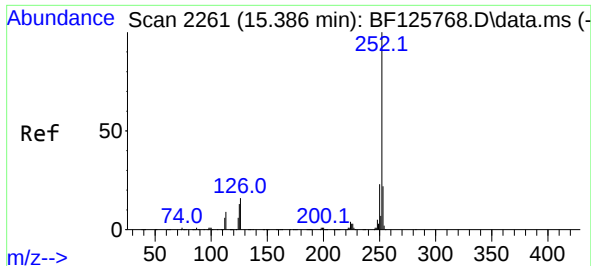


#89
Benzo(k)fluoranthene
Concen: 17.92 ng m
RT: 15.080 min Scan# 2209
Delta R.T. 0.017 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17

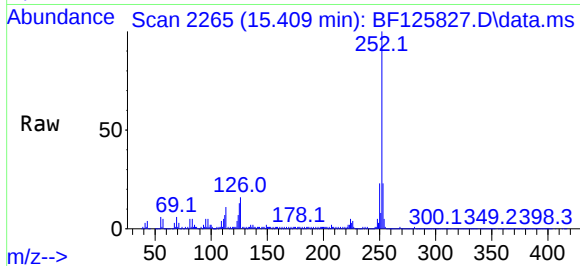


Tgt Ion:252 Resp: 339737
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 13.2 7.2 10.8#

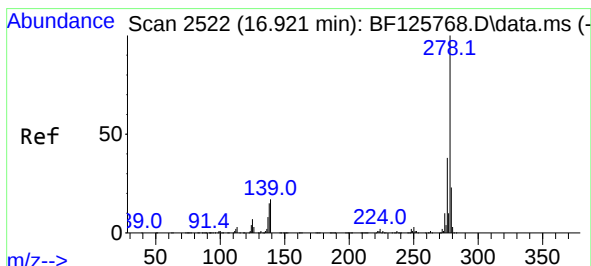
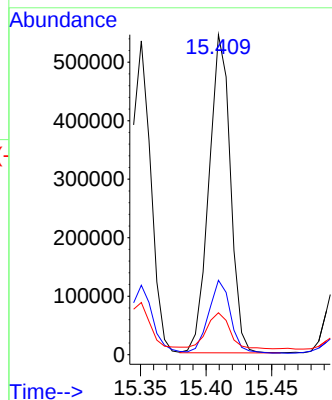
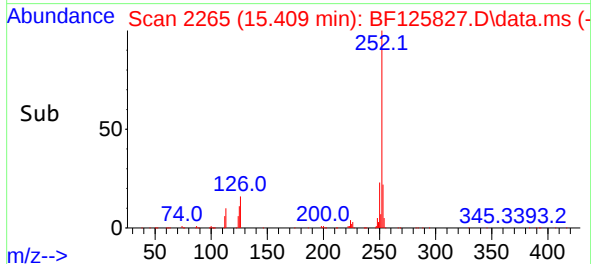




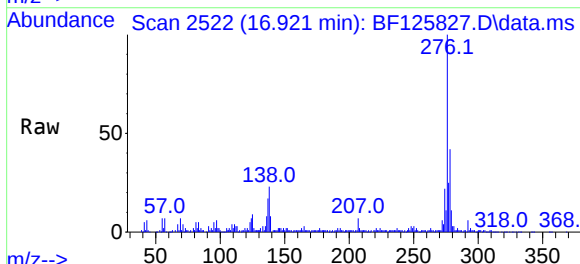
#90
Benzo(a)pyrene
Concen: 37.88 ng
RT: 15.409 min Scan# 2265
Delta R.T. 0.017 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17



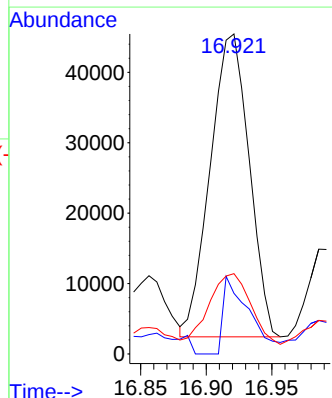
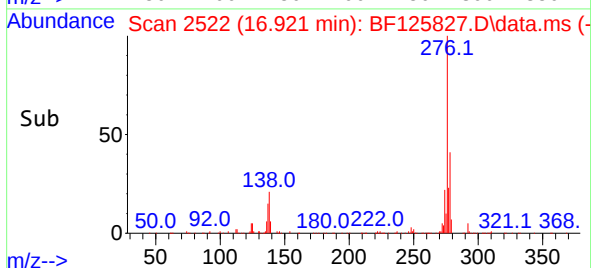
Tgt Ion: 252 Resp: 619656
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 13.1 9.9 14.9



#91
Dibenzo(a,h)anthracene
Concen: 4.31 ng
RT: 16.921 min Scan# 2522
Delta R.T. -0.006 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17



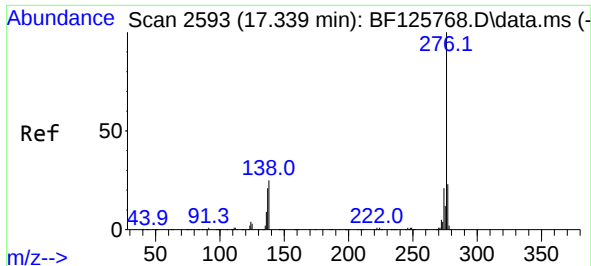
Tgt Ion: 278 Resp: 88860
Ion Ratio Lower Upper
278 100
139 19.0 14.9 22.3
279 25.1 19.7 29.5



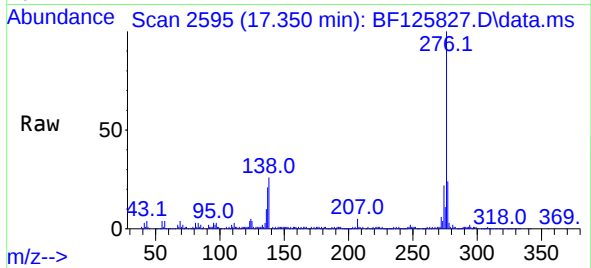
Instrument :
BNA_F
ClientSampled :
ETGI-330

Manual Integrations
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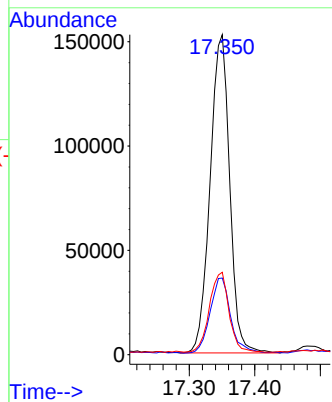
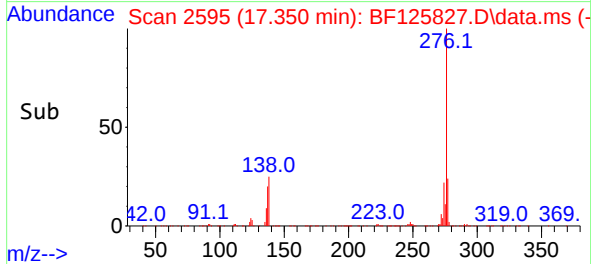
mohammad
10/14/2021 10:55:21 AM



#92
Benzo(g,h,i)perylene
Concen: 15.01 ng
RT: 17.350 min Scan# 2595
Delta R.T. -0.000 min
Lab File: BF125827.D
Acq: 13 Oct 2021 15:17



Tgt Ion: 276 Resp: 315791
Ion Ratio Lower Upper
276 100
277 24.0 22.0 33.0
138 25.7 22.2 33.4



Instrument :
BNA_F
ClientSampleId :
ETGI-330

Manual Integrations
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