

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091021\
 Data File : BF125432.D
 Acq On : 10 Sep 2021 19:38
 Operator : JU/CG
 Sample : M3684-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A018015

Manual Integrations
 APPROVED

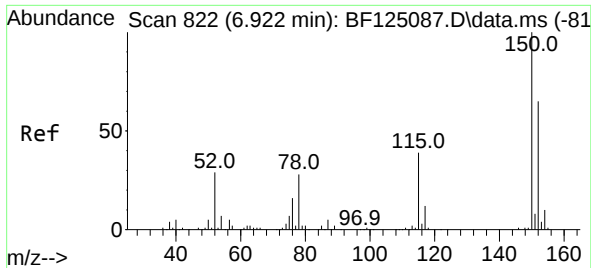
mohammad
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Quant Time: Sep 11 01:07:54 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 08 14:14:01 2021
 Response via : Initial Calibration

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

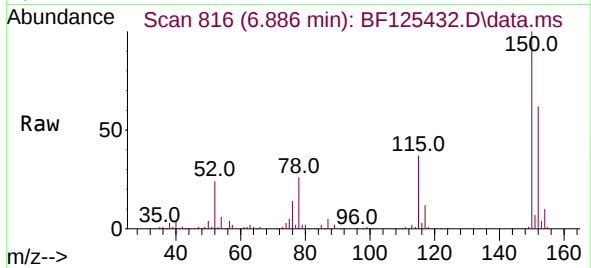
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	149218	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	569576	20.000	ng	# 0.00
39) Acenaphthene-d10	9.927	164	293334	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	462025	20.000	ng	0.00
76) Chrysene-d12	14.057	240	305302	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	299140	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	816249	82.797	ng	0.00
7) Phenol-d6	6.522	99	1015309	79.631	ng	0.00
23) Nitrobenzene-d5	7.451	82	685195	60.563	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	250788	85.648	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1136227	53.986	ng	0.00
79) Terphenyl-d14	12.998	244	921465	48.083	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.957	154	43954	2.532	ng	99
58) Fluorene	10.474	166	60591	3.280	ng	99
71) Phenanthrene	11.439	178	709453	27.868	ng	98
72) Anthracene	11.492	178	186342	7.426	ng	99
73) Carbazole	11.645	167	68404	2.983	ng	99
75) Fluoranthene	12.633	202	820093	32.466	ng	96
78) Pyrene	12.863	202	691917	26.420	ng	98
81) Benzo(a)anthracene	14.051	228	355392	16.156	ng	97
83) Chrysene	14.086	228	326235	14.996	ng	96
84) Bis(2-ethylhexyl)phtha...	14.027	149	35515	2.511	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.051	276	152106m	7.058	ng	
88) Benzo(b)fluoranthene	15.115	252	449703m	20.577	ng	
89) Benzo(k)fluoranthene	15.139	252	116680m	5.721	ng	
90) Benzo(a)pyrene	15.486	252	280169m	14.513	ng	
91) Dibenzo(a,h)anthracene	17.056	278	39111	2.100	ng	96
92) Benzo(g,h,i)perylene	17.503	276	135322	7.534	ng	# 88

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.886 min Scan# 816
 Delta R.T. 0.000 min
 Lab File: BF125432.D
 Acq: 10 Sep 2021 19:38

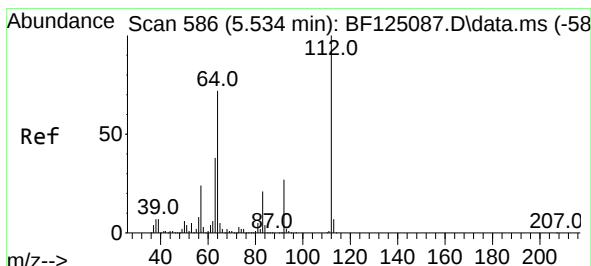
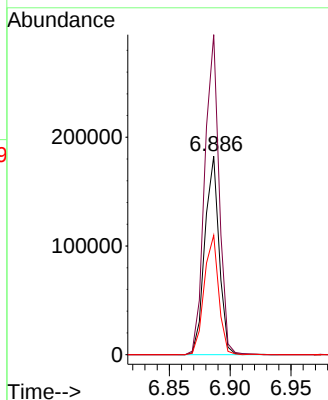
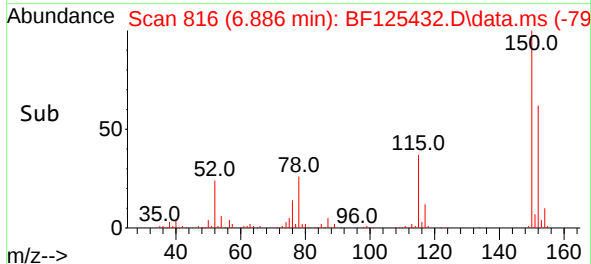
Instrument :
 BNA_F
 ClientSampled :
 A018015



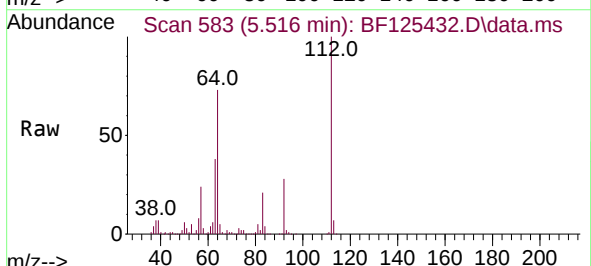
Tgt Ion:152 Resp: 149218
 Ion Ratio Lower Upper
 152 100
 150 161.3 117.6 176.4
 115 60.2 47.1 70.7

Manual Integrations
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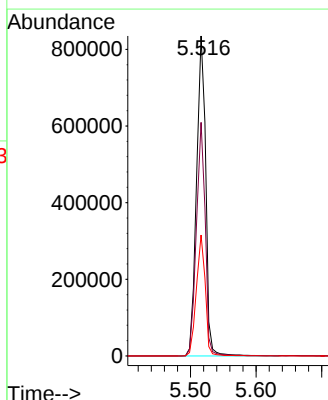
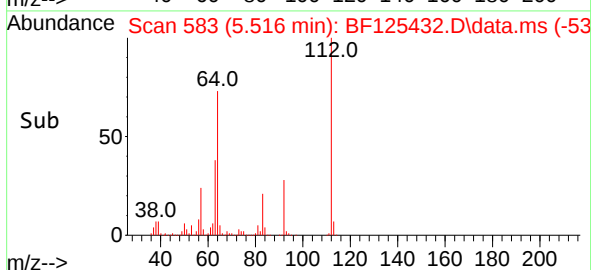
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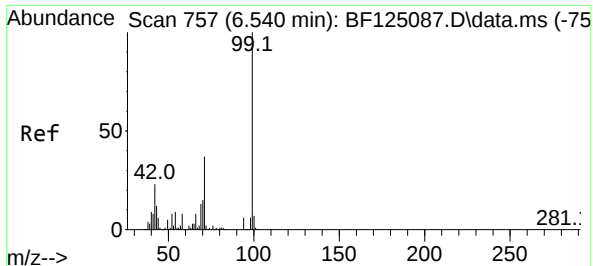


#5
 2-Fluorophenol
 Concen: 82.797 ng
 RT: 5.516 min Scan# 583
 Delta R.T. 0.006 min
 Lab File: BF125432.D
 Acq: 10 Sep 2021 19:38



Tgt Ion:112 Resp: 816249
 Ion Ratio Lower Upper
 112 100
 64 73.0 44.2 66.2#
 63 37.8 26.2 39.2





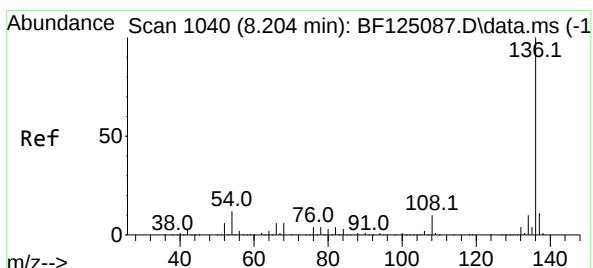
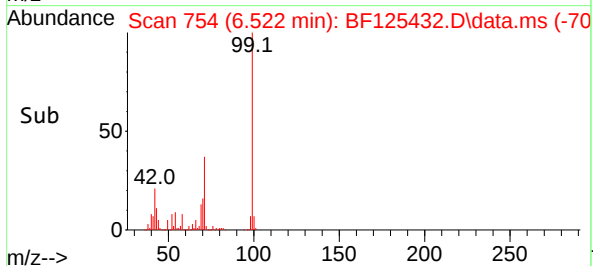
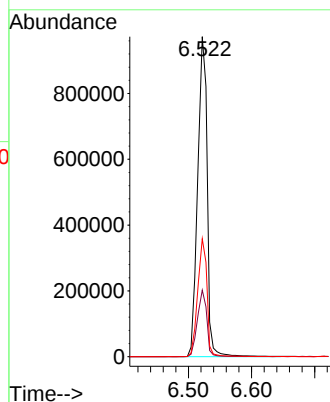
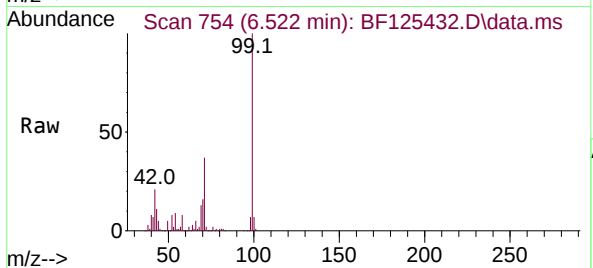
#7
Phenol-d6
Concen: 79.631 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38

Tgt Ion: 99 Resp: 1015309
Ion Ratio Lower Upper
99 100
42 20.8 23.5 35.3#
71 36.8 25.6 38.4

Instrument :
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ClientSampleId :
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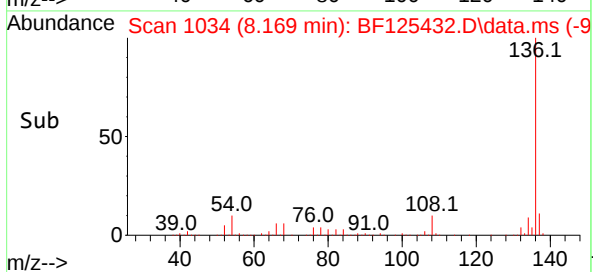
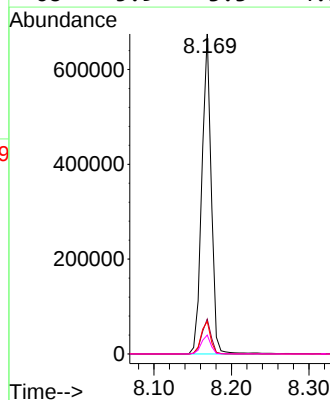
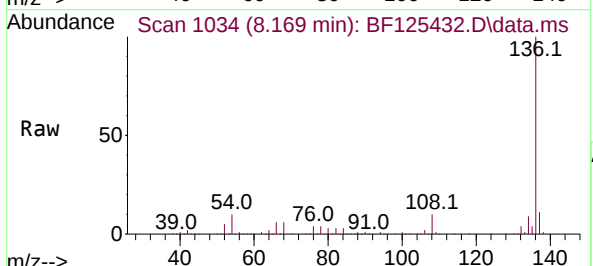
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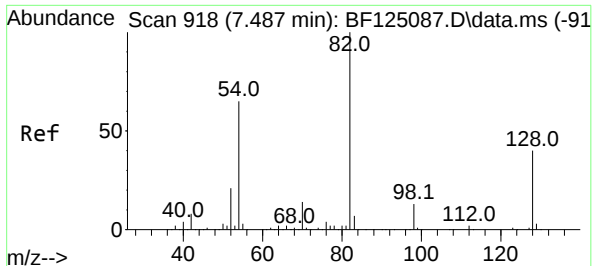
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38

Tgt Ion: 136 Resp: 569576
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 10.2 6.4 9.6#
68 5.9 3.3 4.9#





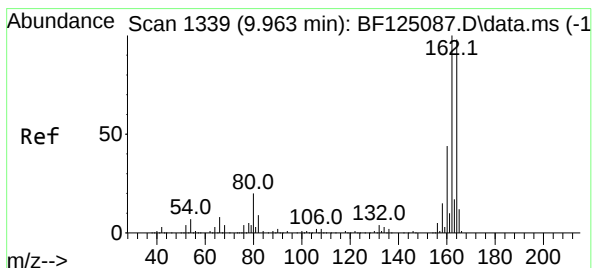
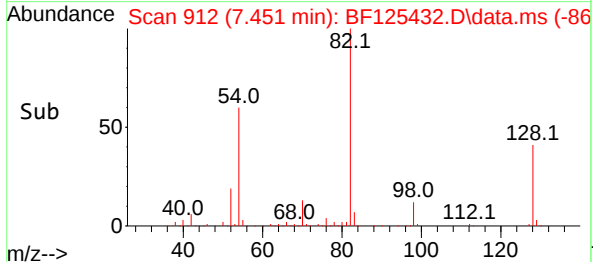
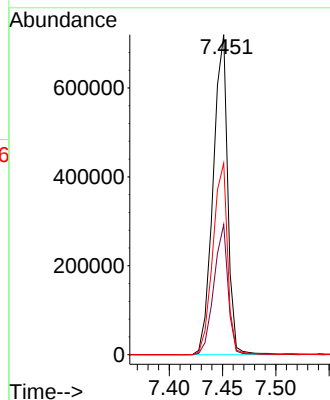
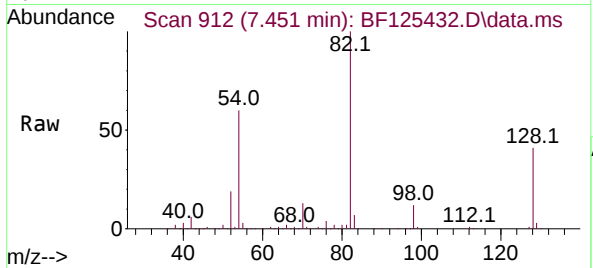
#23
Nitrobenzene-d5
Concen: 60.563 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38

Tgt Ion: 82 Resp: 685195
Ion Ratio Lower Upper
82 100
128 40.6 40.6 60.8
54 59.9 49.6 74.4

Instrument :
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ClientSampleId :
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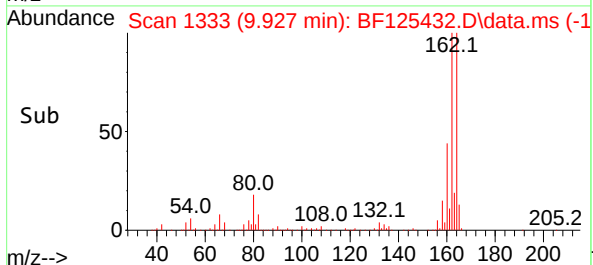
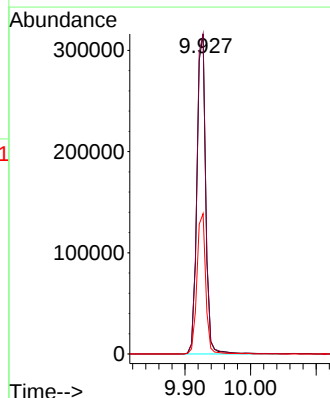
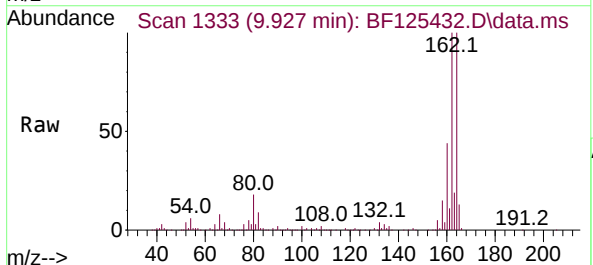
Manual Integrations
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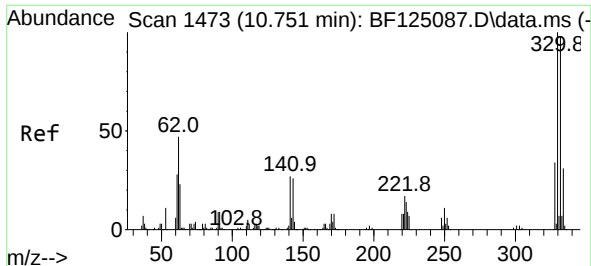
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38

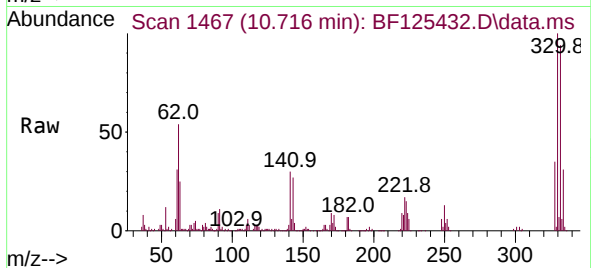
Tgt Ion: 164 Resp: 293334
Ion Ratio Lower Upper
164 100
162 100.0 81.3 121.9
160 43.9 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 85.648 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.006 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38

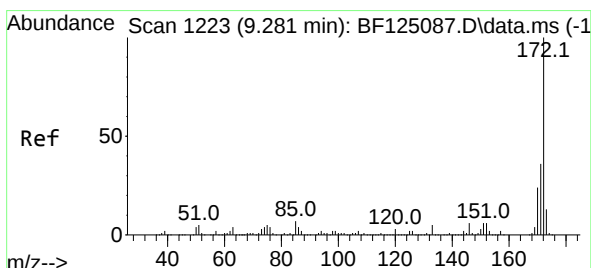
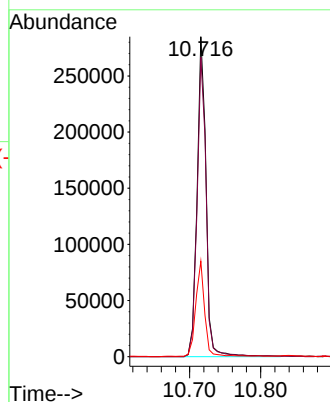
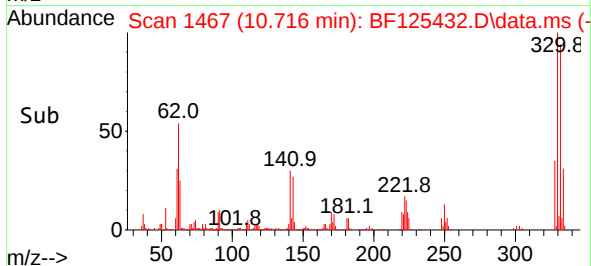
Instrument :
BNA_F
ClientSampled :
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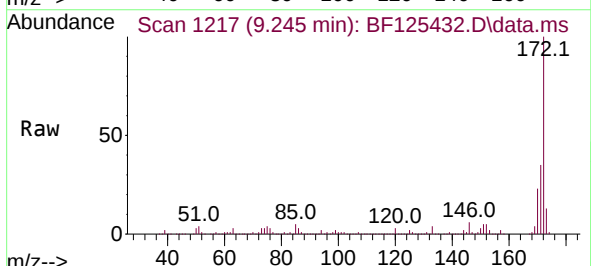
Tgt Ion: 330 Resp: 250788
Ion Ratio Lower Upper
330 100
332 94.9 76.2 114.4
141 29.1 44.6 66.8#

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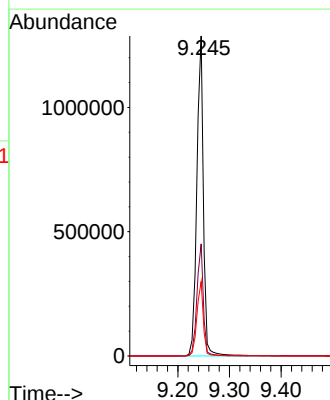
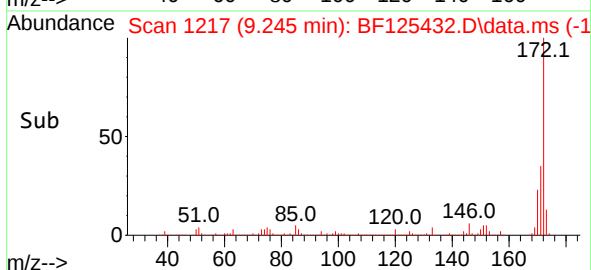
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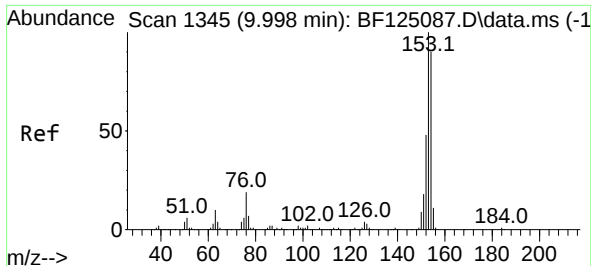


#45
2-Fluorobiphenyl
Concen: 53.986 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38



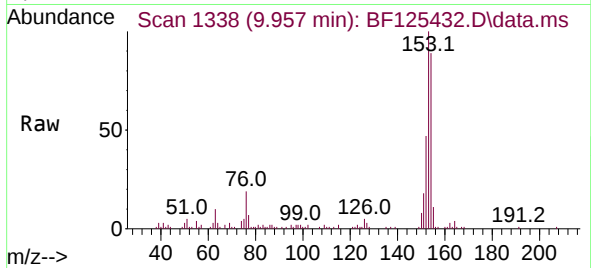
Tgt Ion: 172 Resp: 1136227
Ion Ratio Lower Upper
172 100
171 35.0 26.5 39.7
170 23.3 18.8 28.2





#52
Acenaphthene
Concen: 2.532 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38

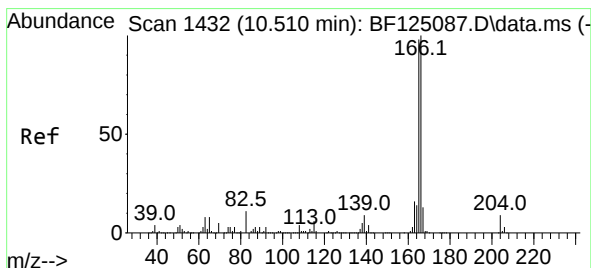
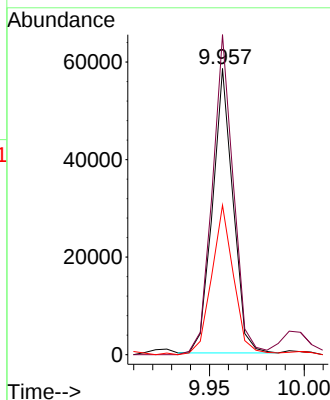
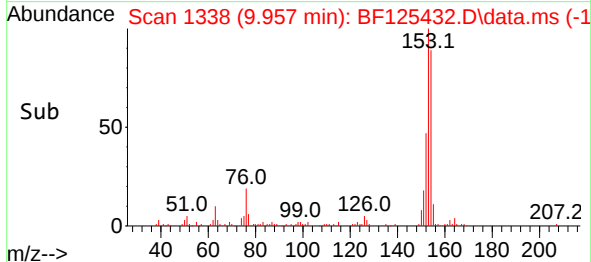
Instrument :
BNA_F
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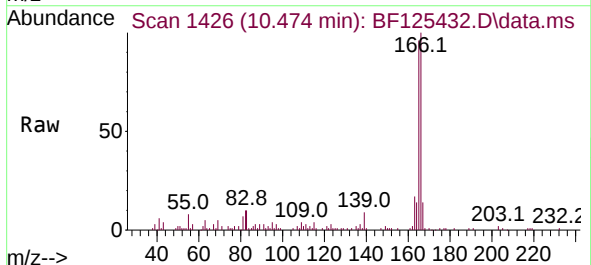
Tgt Ion:154 Resp: 43954
Ion Ratio Lower Upper
154 100
153 111.9 89.4 134.2
152 52.3 40.5 60.7

Manual Integrations
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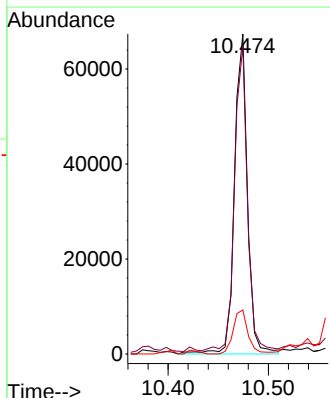
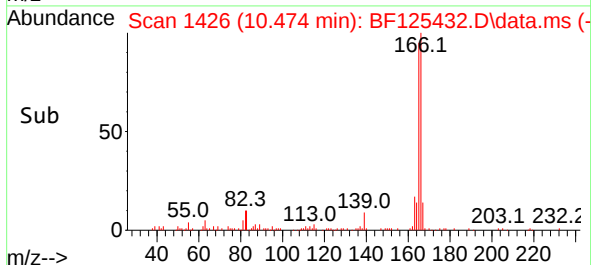
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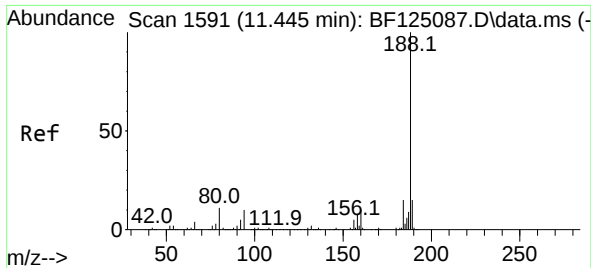


#58
Fluorene
Concen: 3.280 ng
RT: 10.474 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38



Tgt Ion:166 Resp: 60591
Ion Ratio Lower Upper
166 100
165 96.2 78.1 117.1
167 13.8 11.1 16.7





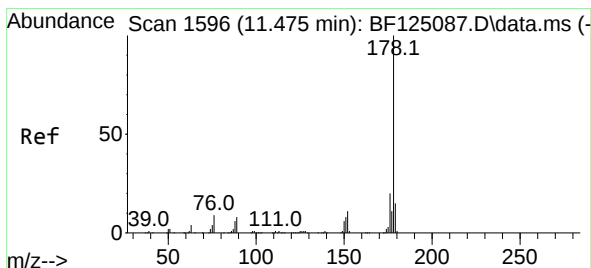
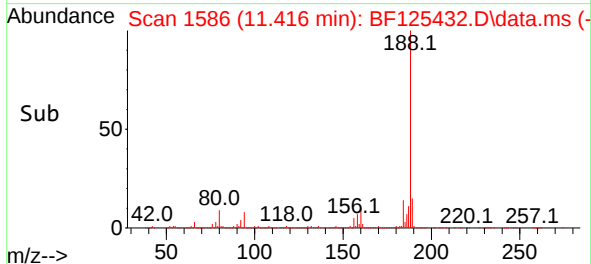
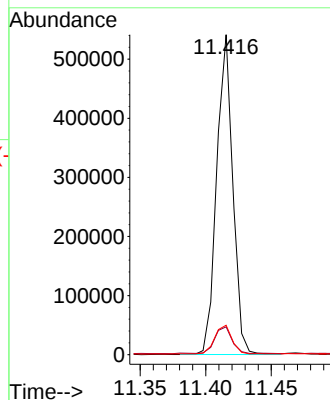
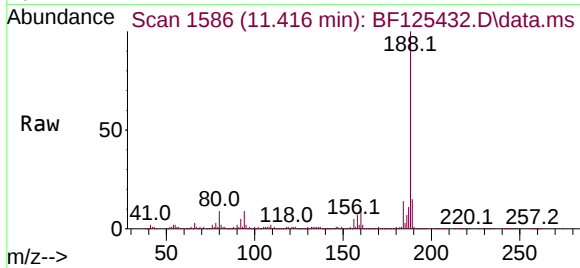
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38

Tgt Ion:188 Resp: 462025
Ion Ratio Lower Upper
188 100
94 8.7 6.7 10.1
80 9.2 7.5 11.3

Instrument :
BNA_F
ClientSampleId :
A018015

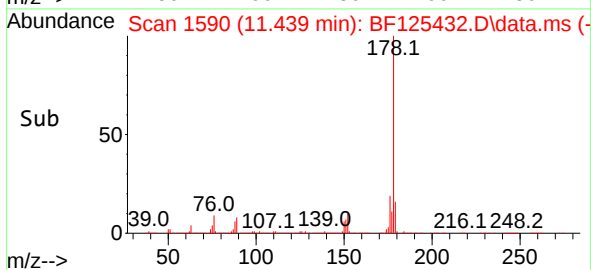
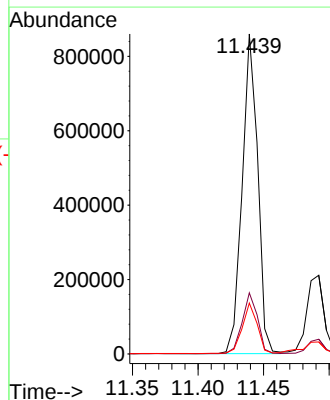
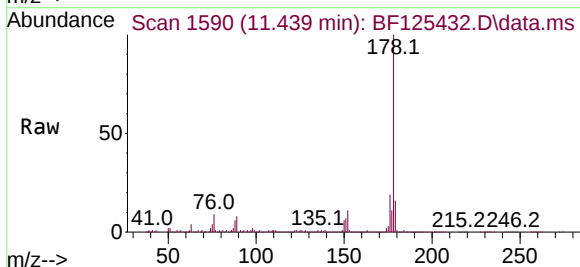
Manual Integrations
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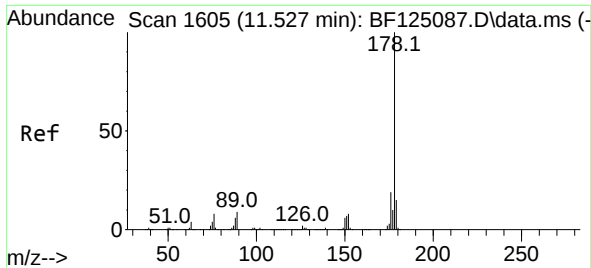
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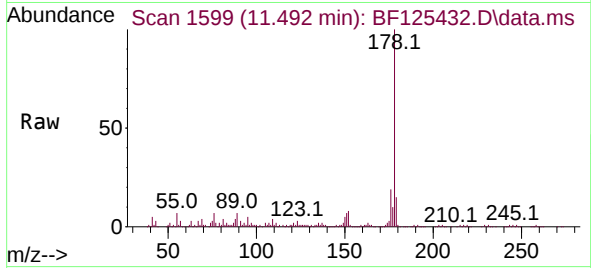
#71
Phenanthrene
Concen: 27.868 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38

Tgt Ion:178 Resp: 709453
Ion Ratio Lower Upper
178 100
176 19.1 14.7 22.1
179 15.9 11.5 17.3

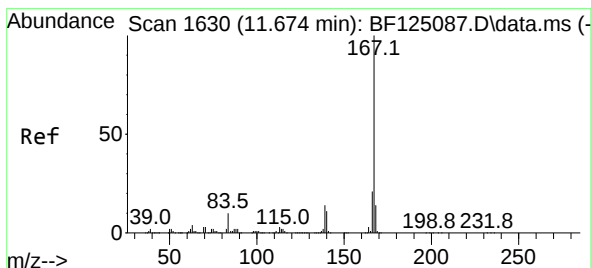
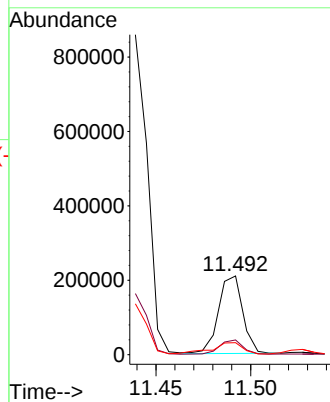
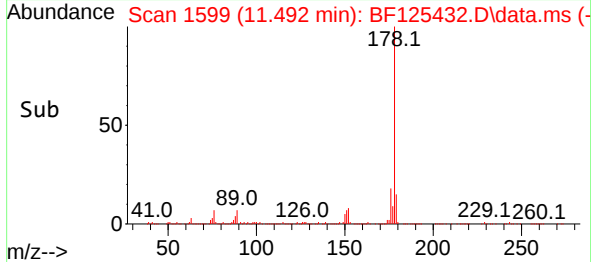




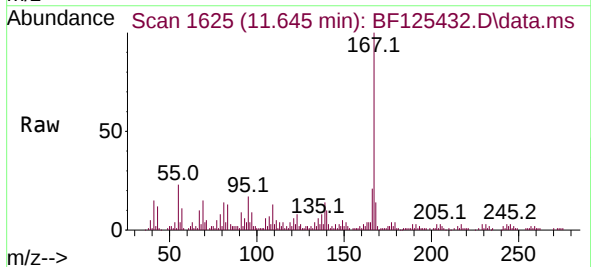
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 Anthracene
 Concen: 7.426 ng
 RT: 11.492 min Scan# 1599
 Delta R.T. 0.000 min
 Lab File: BF125432.D
 Acq: 10 Sep 2021 19:38



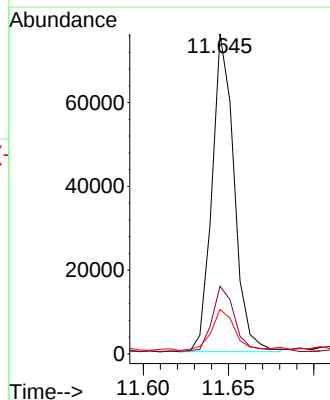
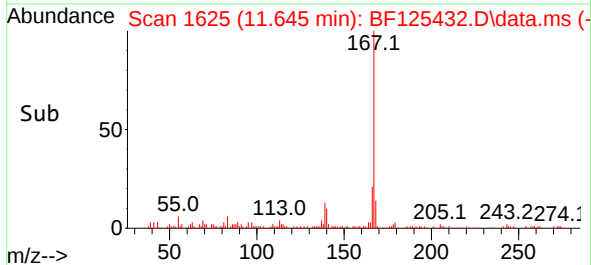
Tgt Ion:178 Resp: 186342
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.3 21.5
 179 15.4 12.2 18.4



#73
 Carbazole
 Concen: 2.983 ng
 RT: 11.645 min Scan# 1625
 Delta R.T. -0.006 min
 Lab File: BF125432.D
 Acq: 10 Sep 2021 19:38



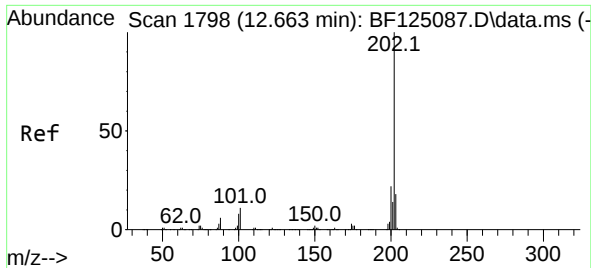
Tgt Ion:167 Resp: 68404
 Ion Ratio Lower Upper
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 166 21.2 17.4 26.0
 139 13.9 11.0 16.4



Instrument :
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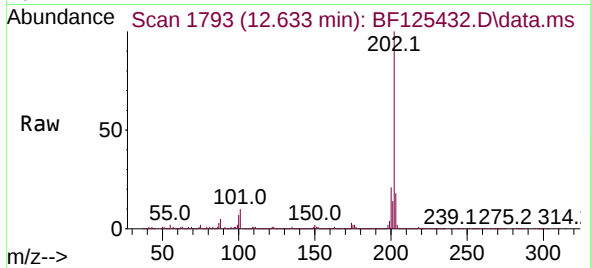
Manual Integrations
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#75
Fluoranthene
Concen: 32.466 ng
RT: 12.633 min Scan# 1793
Delta R.T. 0.000 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38

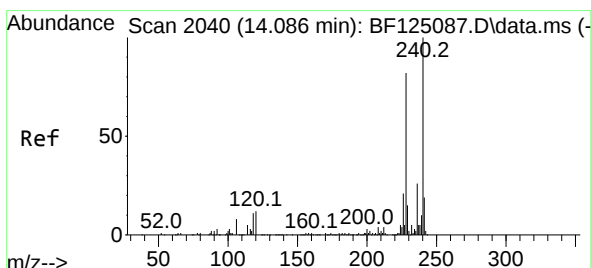
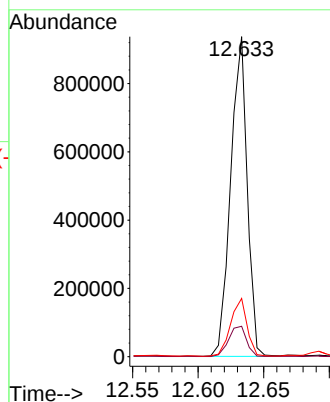
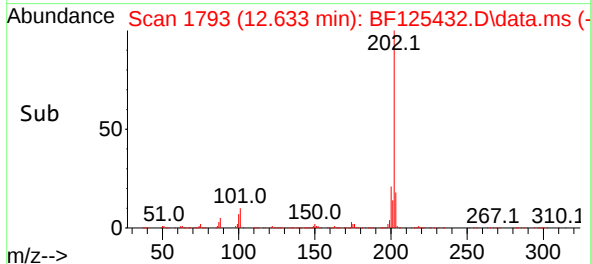
Instrument :
BNA_F
ClientSampled :
A018015



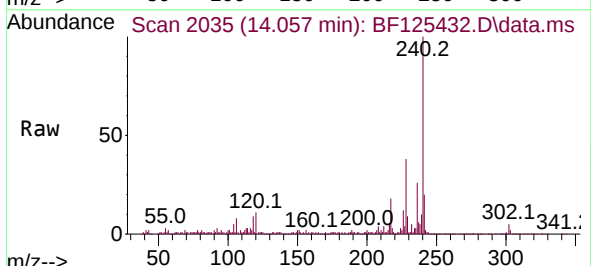
Tgt Ion:202 Resp: 820093
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.7
203 18.2 0.0 36.3

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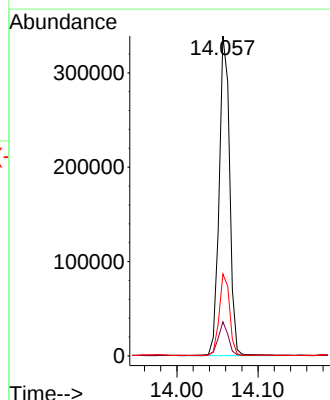
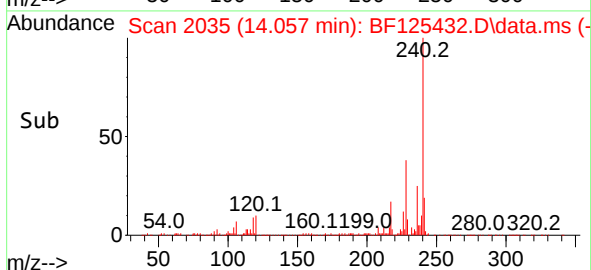
mohammad
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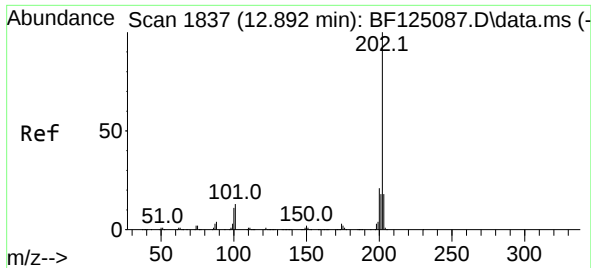


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38



Tgt Ion:240 Resp: 305302
Ion Ratio Lower Upper
240 100
120 10.7 10.8 16.2#
236 25.6 21.6 32.4





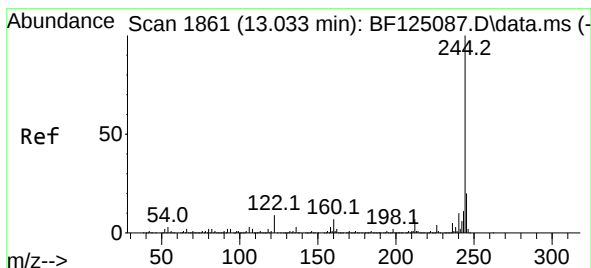
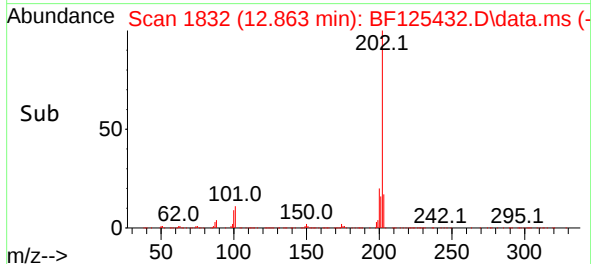
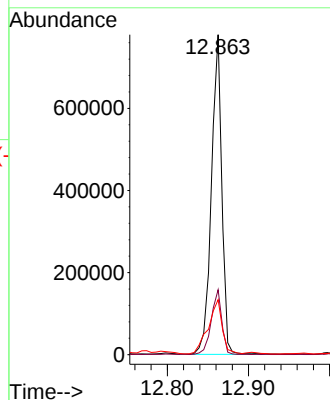
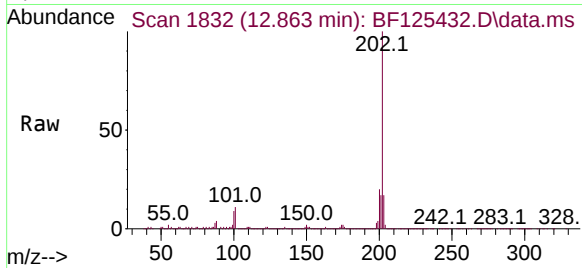
#78
Pyrene
Concen: 26.420 ng
RT: 12.863 min Scan# 1832
Delta R.T. 0.000 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38

Tgt Ion:	202	Resp:	691917
Ion Ratio	Lower	Upper	
202	100		
200	20.3	15.3	22.9
203	17.2	13.4	20.0

Instrument :
BNA_F
ClientSampleId :
A018015

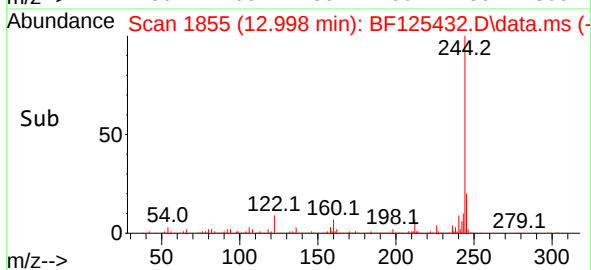
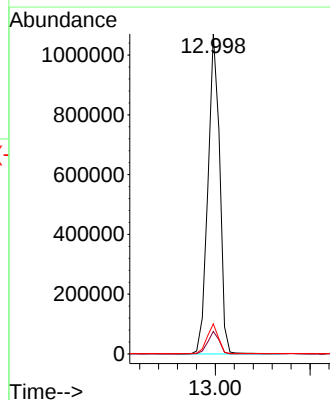
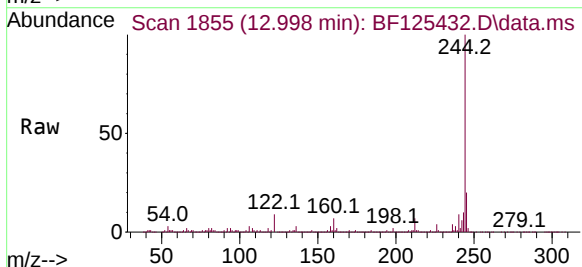
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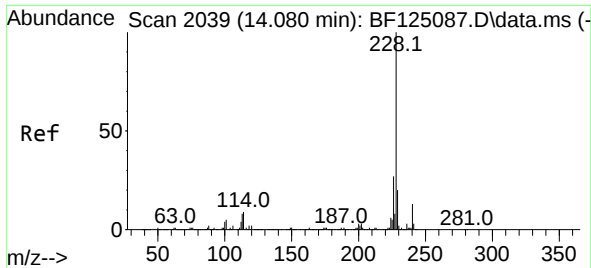
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#79
Terphenyl-d14
Concen: 48.083 ng
RT: 12.998 min Scan# 1855
Delta R.T. -0.006 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38

Tgt Ion:	244	Resp:	921465
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.9	8.9
122	9.4	9.0	13.4





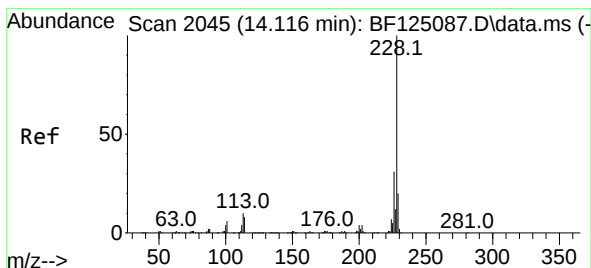
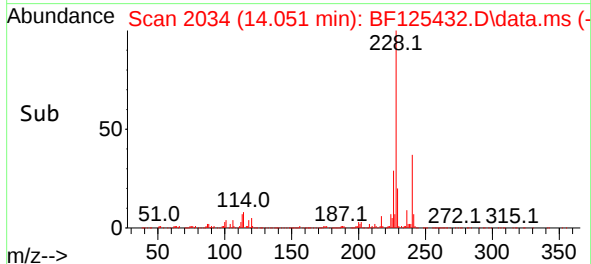
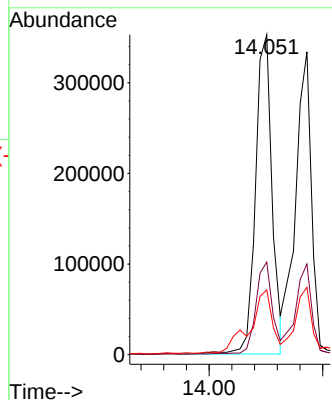
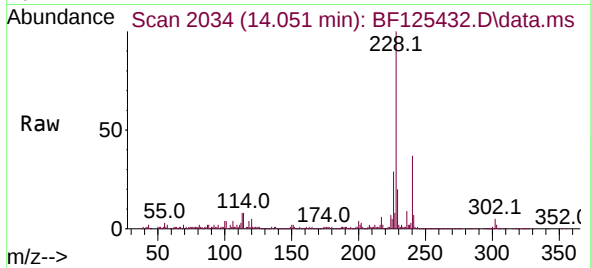
#81
Benzo(a)anthracene
Concen: 16.156 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38

Tgt Ion:228 Resp: 355392
Ion Ratio Lower Upper
228 100
226 29.0 21.6 32.4
229 20.3 15.6 23.4

Instrument :
BNA_F
ClientSampleId :
A018015

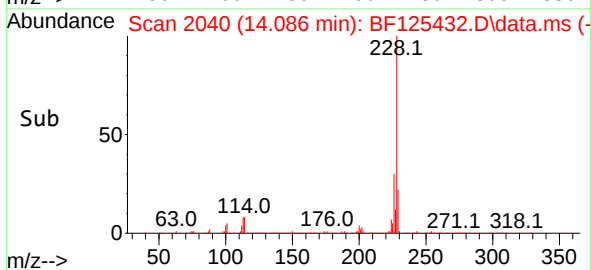
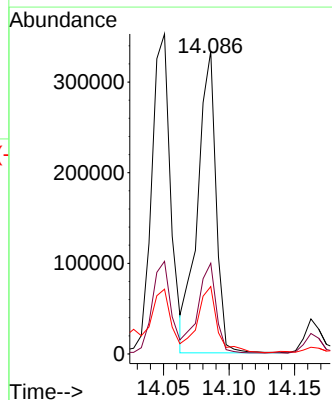
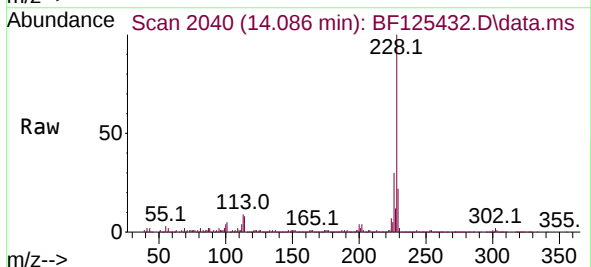
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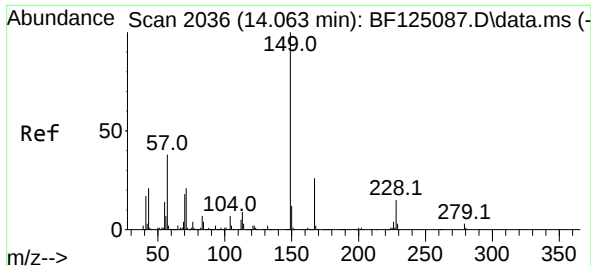
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#83
Chrysene
Concen: 14.996 ng
RT: 14.086 min Scan# 2040
Delta R.T. 0.000 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38

Tgt Ion:228 Resp: 326235
Ion Ratio Lower Upper
228 100
226 30.0 22.6 34.0
229 22.3 15.9 23.9





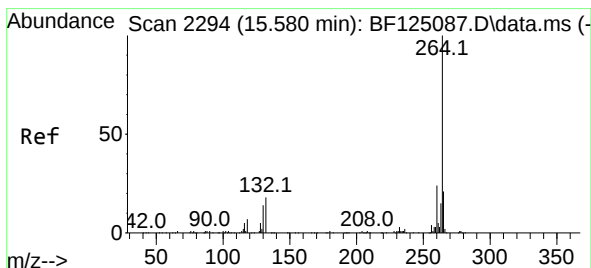
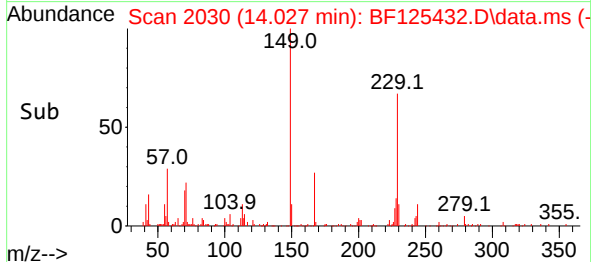
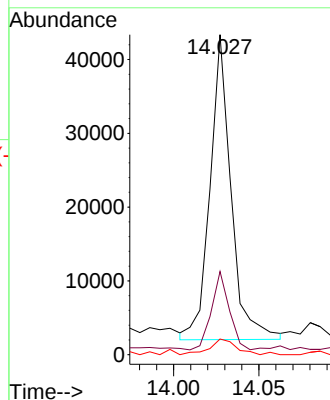
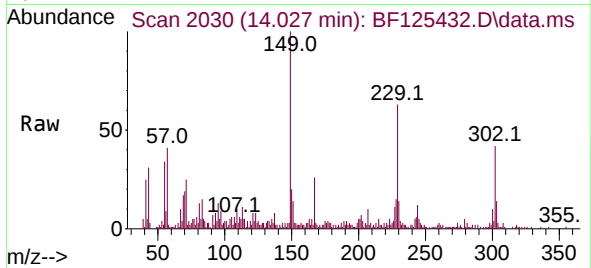
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.511 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38

Tgt Ion:149 Resp: 35515
Ion Ratio Lower Upper
149 100
167 26.0 21.4 32.0
279 4.9 2.6 4.0#

Instrument :
BNA_F
ClientSampled :
A018015

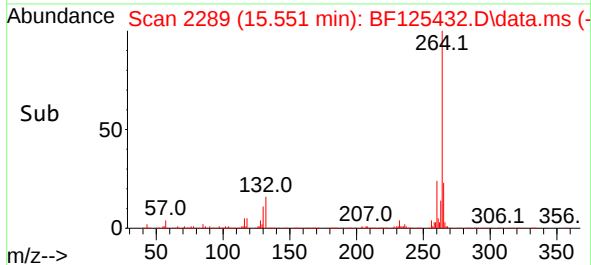
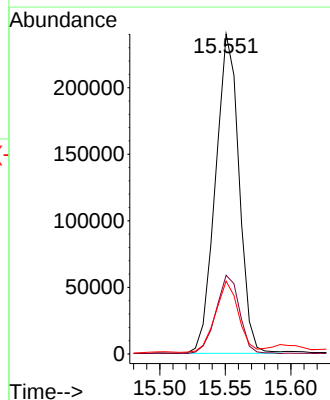
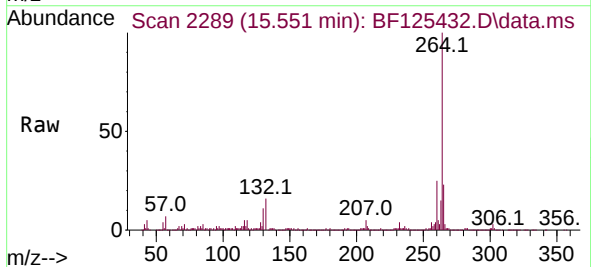
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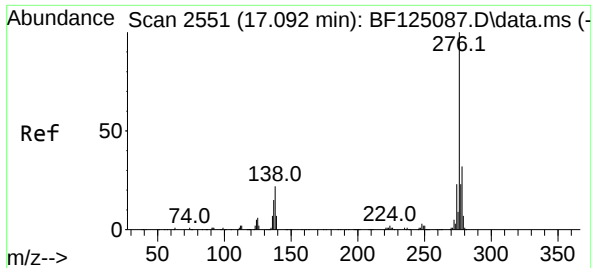
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.006 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38

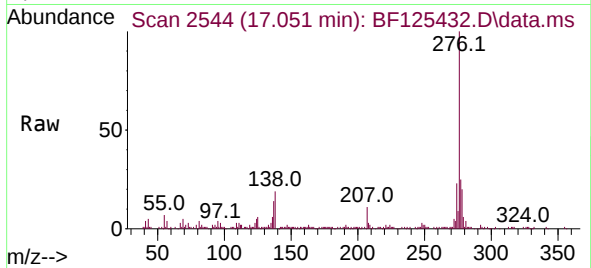
Tgt Ion:264 Resp: 299140
Ion Ratio Lower Upper
264 100
260 24.6 19.6 29.4
265 22.8 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.058 ng m
RT: 17.051 min Scan# 2544
Delta R.T. 0.000 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38

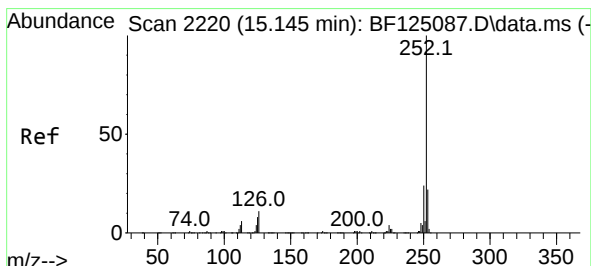
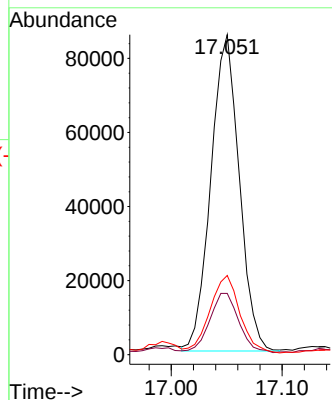
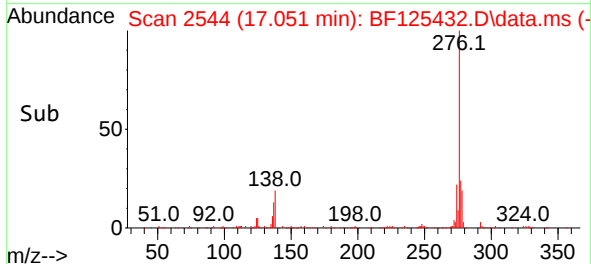
Instrument :
BNA_F
ClientSampled :
A018015



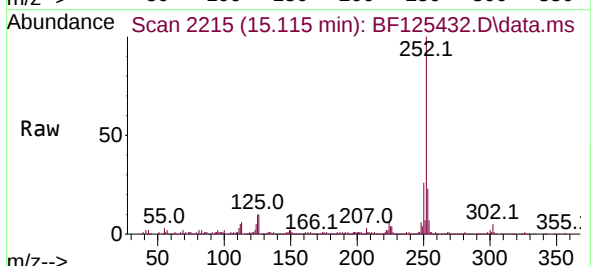
Tgt Ion:276 Resp: 152106
Ion Ratio Lower Upper
276 100
138 4.9 24.1 36.1#
277 5.4 18.8 28.2#

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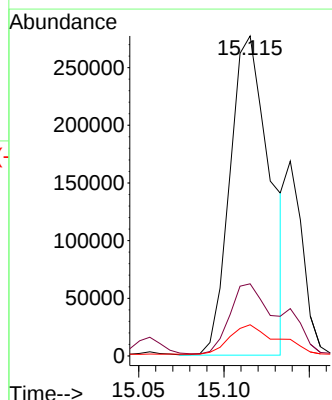
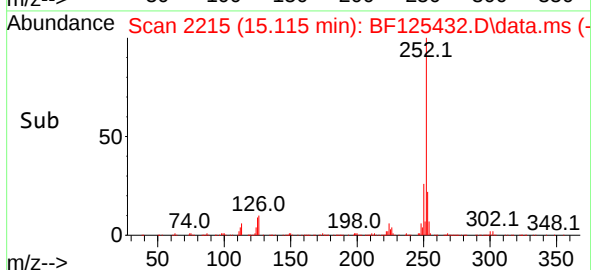
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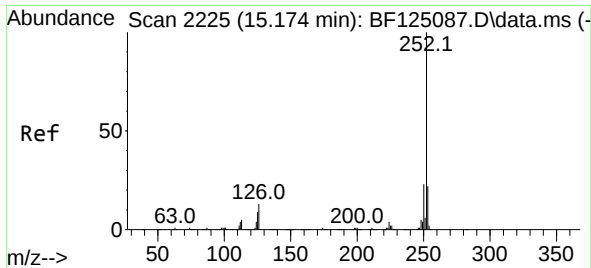


#88
Benzo(b)fluoranthene
Concen: 20.577 ng m
RT: 15.115 min Scan# 2215
Delta R.T. 0.006 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38



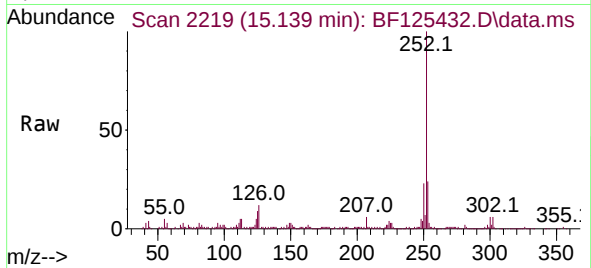
Tgt Ion:252 Resp: 449703
Ion Ratio Lower Upper
252 100
253 22.6 16.8 25.2
125 9.7 9.8 14.8#





#89
Benzo(k)fluoranthene
Concen: 5.721 ng m
RT: 15.139 min Scan# 2219
Delta R.T. -0.006 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38

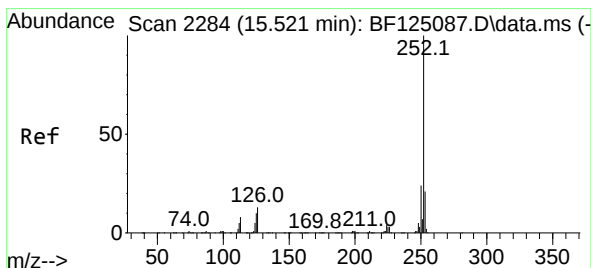
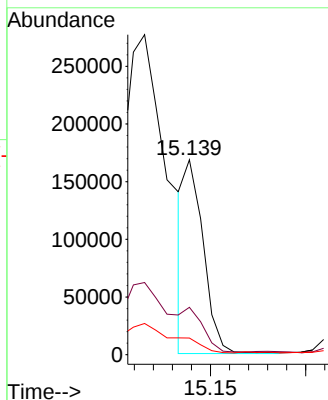
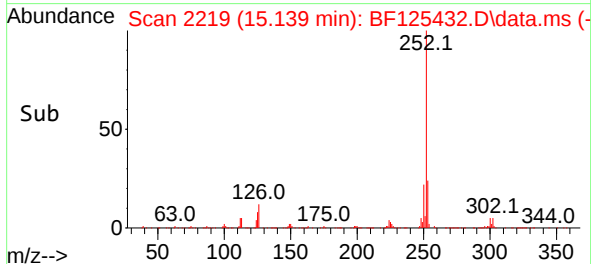
Instrument :
BNA_F
ClientSampleId :
A018015



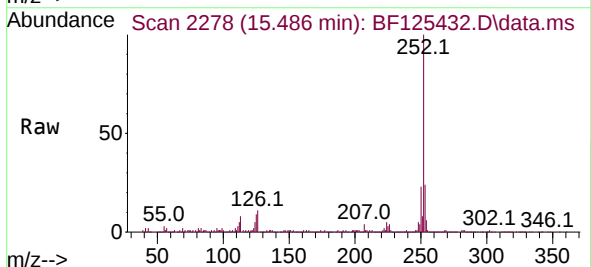
Tgt Ion:252 Resp: 116680
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 8.6 7.2 10.8

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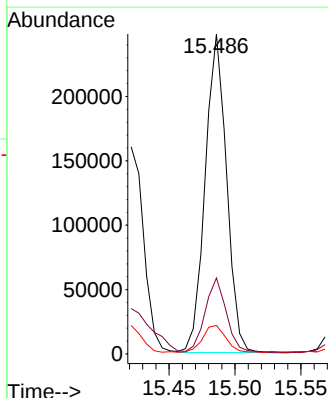
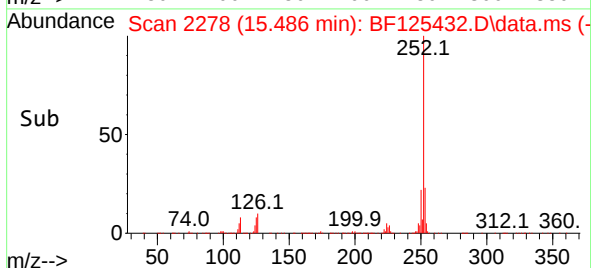
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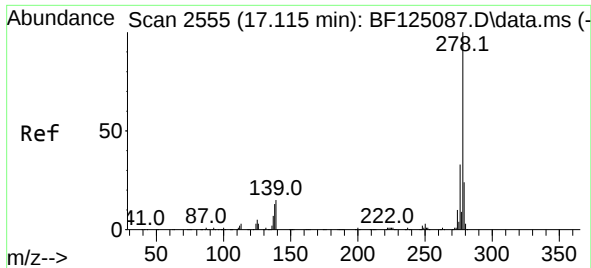


#90
Benzo(a)pyrene
Concen: 14.513 ng m
RT: 15.486 min Scan# 2278
Delta R.T. 0.000 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38



Tgt Ion:252 Resp: 280169
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 8.9 9.9 14.9#





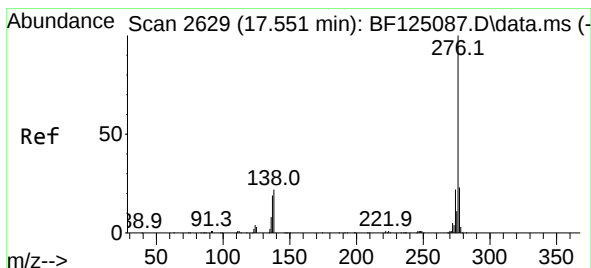
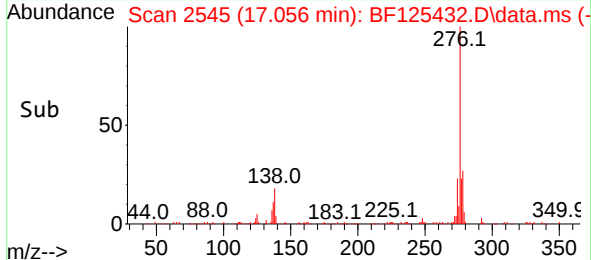
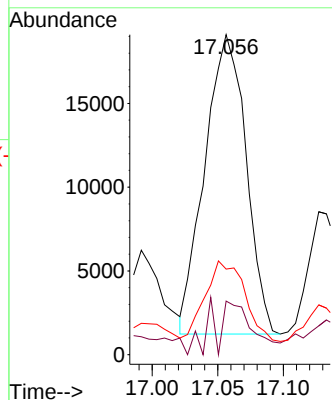
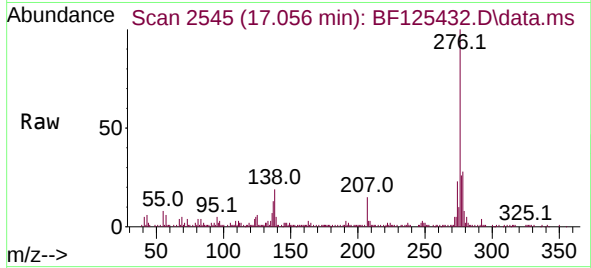
#91
Dibenzo(a,h)anthracene
Concen: 2.100 ng
RT: 17.056 min Scan# 2545
Delta R.T. -0.012 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.7	14.9	22.3
279	26.8	19.7	29.5

Instrument :
BNA_F
ClientSampled :
A018015

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 7.534 ng
RT: 17.503 min Scan# 2621
Delta R.T. -0.006 min
Lab File: BF125432.D
Acq: 10 Sep 2021 19:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	22.0	33.0
138	19.5	22.2	33.4

