

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101921\
 Data File : BF125909.D
 Acq On : 19 Oct 2021 20:03
 Operator : JU/CG
 Sample : M4249-07DL 4X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-(S)DL

Manual Integrations
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Quant Time: Oct 20 09:29:57 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 18 12:43:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	167236	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	659242	20.00	ng	# 0.00
39) Acenaphthene-d10	9.857	164	301146	20.00	ng	0.00
64) Phenanthrene-d10	11.339	188	465623	20.00	ng	# 0.00
76) Chrysene-d12	13.980	240	346751	20.00	ng	0.00
86) Perylene-d12	15.427	264	271676	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	234408	22.90	ng	-0.01
7) Phenol-d6	6.445	99	283369	21.50	ng	-0.01
23) Nitrobenzene-d5	7.381	82	149692	14.11	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	56820	19.11	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	313191	17.94	ng	0.00
79) Terphenyl-d14	12.921	244	281737	12.38	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.128	128	85294	2.68	ng	98
37) 2-Methylnaphthalene	8.816	142	59052	2.86	ng	98
38) 1-Methylnaphthalene	8.916	142	78124	3.90	ng	98
49) Acenaphthylene	9.716	152	146711	5.57	ng	# 97
52) Acenaphthene	9.886	154	71522	4.35	ng	98
55) Dibenzofuran	10.063	168	65948	2.68	ng	# 88
58) Fluorene	10.404	166	165204	9.15	ng	98
71) Phenanthrene	11.369	178	1573971	63.18	ng	97
72) Anthracene	11.416	178	323422	13.00	ng	100
75) Fluoranthene	12.557	202	1926399	85.70	ng	95
78) Pyrene	12.792	202	2201612	62.50	ng	95
81) Benzo(a)anthracene	13.968	228	1063061	47.25	ng	94
83) Chrysene	14.010	228	976102	43.90	ng	96
87) Indeno(1,2,3-cd)pyrene	16.868	276	301096	14.52	ng	94
88) Benzo(b)fluoranthene	15.010	252	812036m	52.94	ng	
89) Benzo(k)fluoranthene	15.033	252	268630m	17.06	ng	
90) Benzo(a)pyrene	15.368	252	593708	43.71	ng	99
91) Dibenzo(a,h)anthracene	16.874	278	85321m	4.99	ng	
92) Benzo(g,h,i)perylene	17.304	276	293424	16.80	ng	95

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

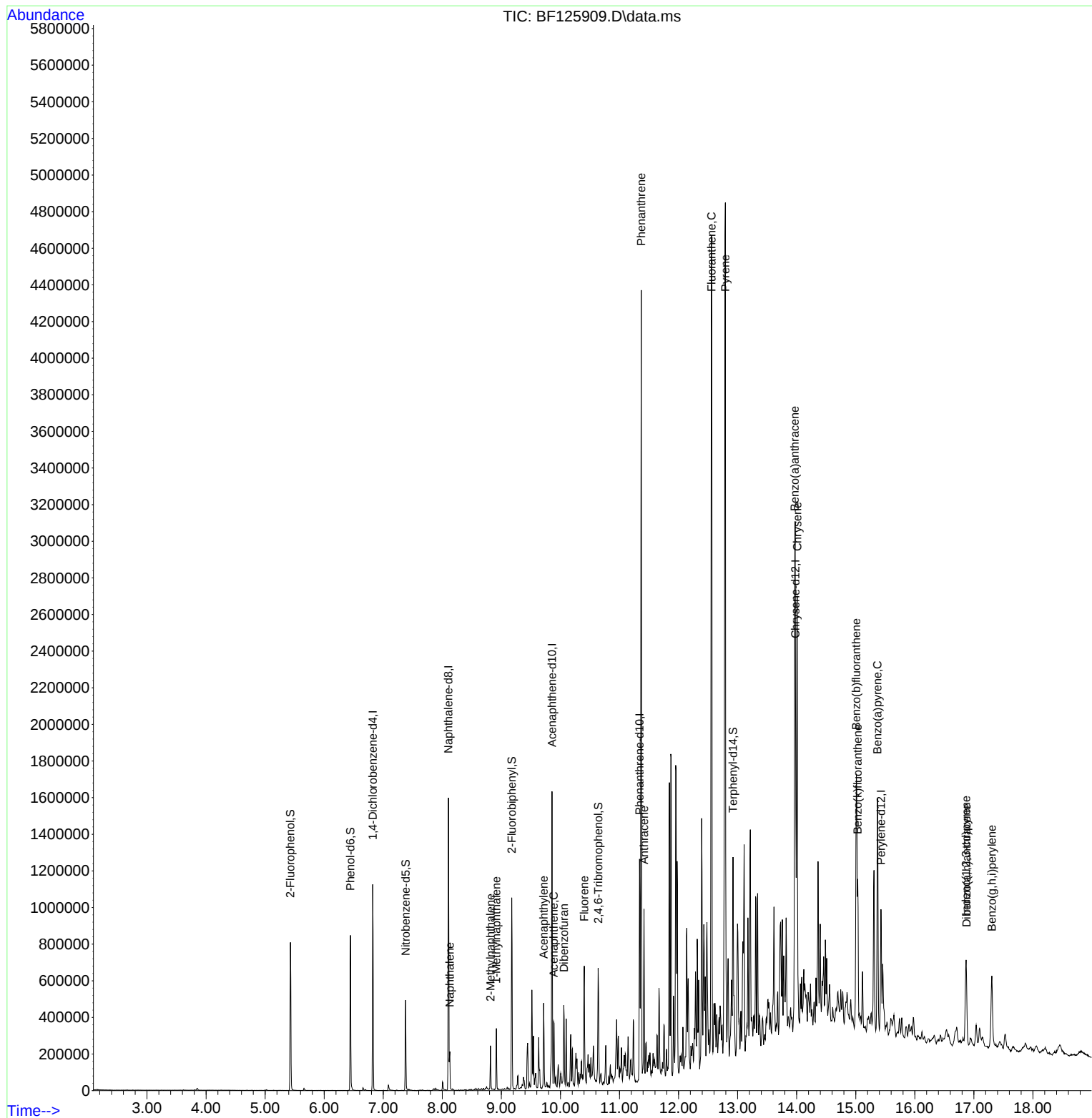
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101921\
Data File : BF125909.D
Acq On : 19 Oct 2021 20:03
Operator : JU/CG
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Instrument :
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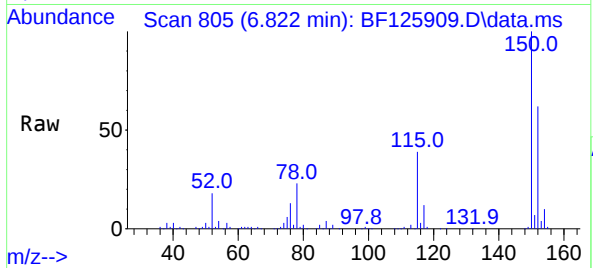
Quant Time: Oct 20 09:29:57 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 18 12:43:03 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

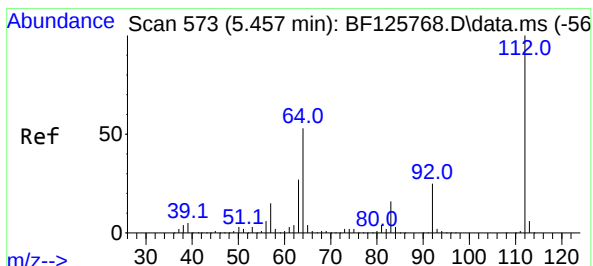
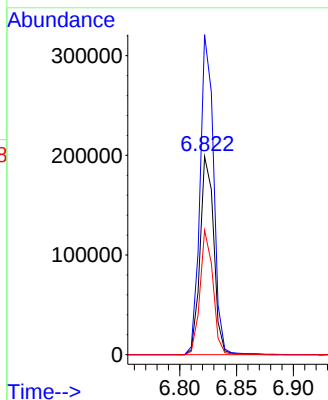
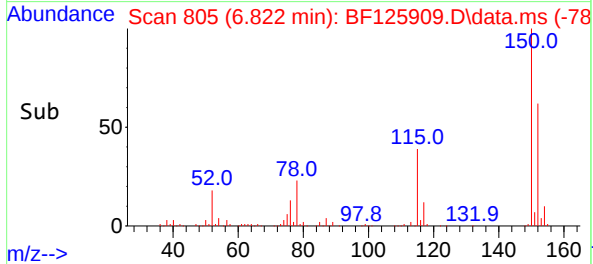
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BNA_F
ClientSampled :
TP2-(S)DL



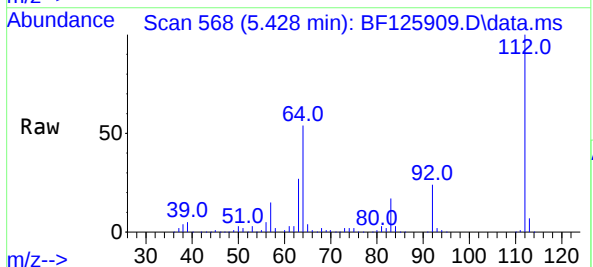
Tgt Ion:152 Resp: 167236
Ion Ratio Lower Upper
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150 161.4 117.6 176.4
115 62.7 47.1 70.7

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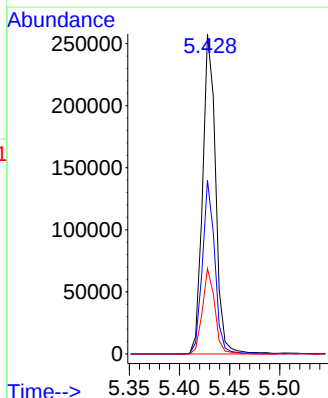
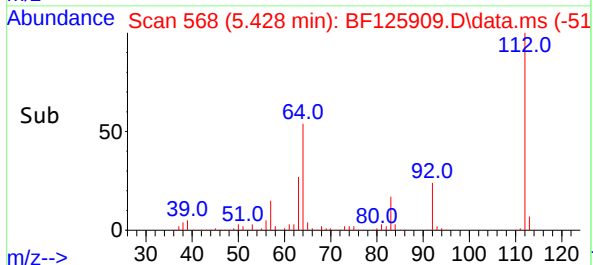
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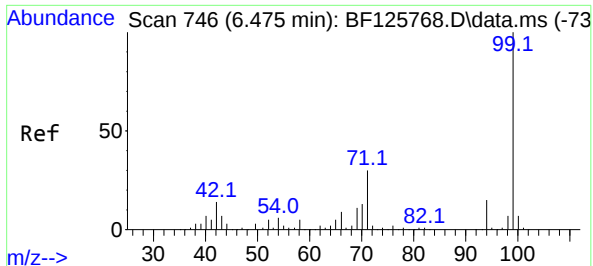


#5
2-Fluorophenol
Concen: 22.90 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.012 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

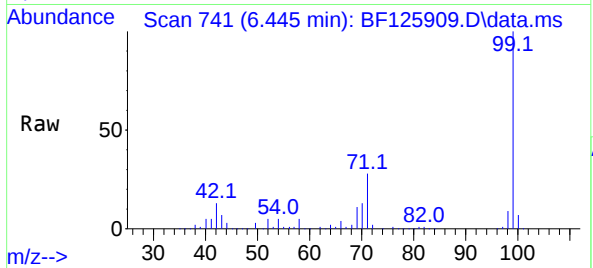


Tgt Ion:112 Resp: 234408
Ion Ratio Lower Upper
112 100
64 54.3 44.2 66.2
63 26.7 26.2 39.2

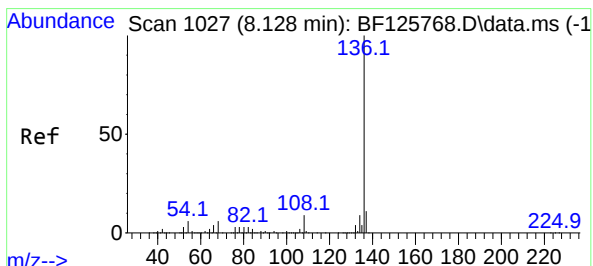
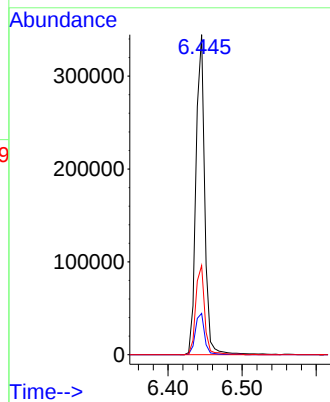
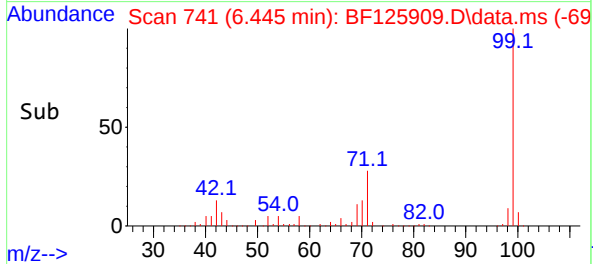




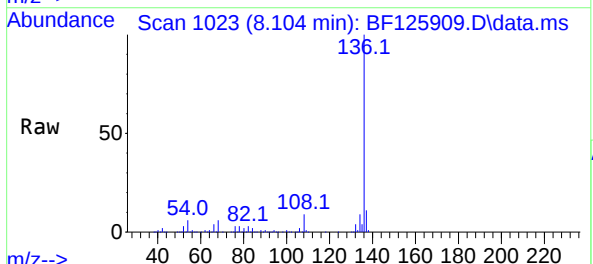
#7
Phenol-d6
Concen: 21.50 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03



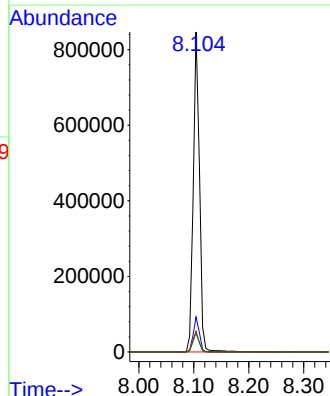
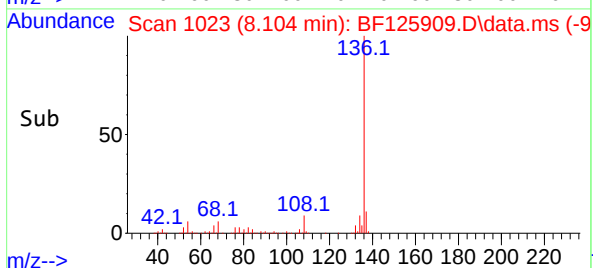
Tgt Ion: 99 Resp: 283369
Ion Ratio Lower Upper
99 100
42 12.9 23.5 35.3#
71 27.9 25.6 38.4



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03



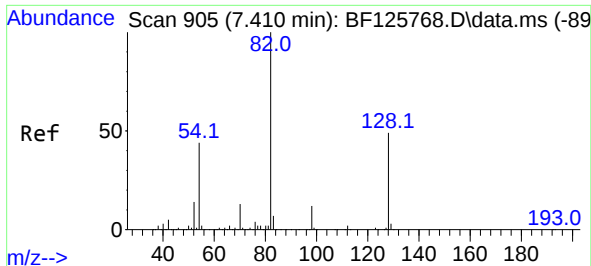
Tgt Ion: 136 Resp: 659242
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 6.5 6.4 9.6
68 5.9 3.3 4.9#



Instrument :
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#23

Nitrobenzene-d5

Concen: 14.11 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF125909.D

Acq: 19 Oct 2021 20:03

Tgt Ion: 82 Resp: 149692

Ion Ratio Lower Upper

82 100

128 50.3 40.6 60.8

54 42.4 49.6 74.4#

Instrument :

BNA_F

ClientSampled :

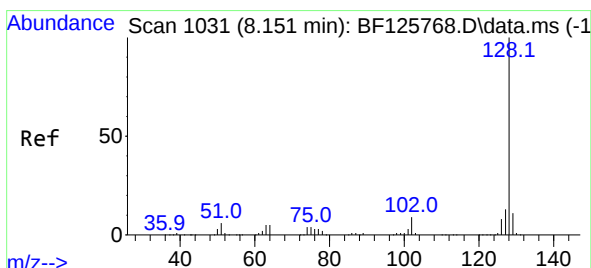
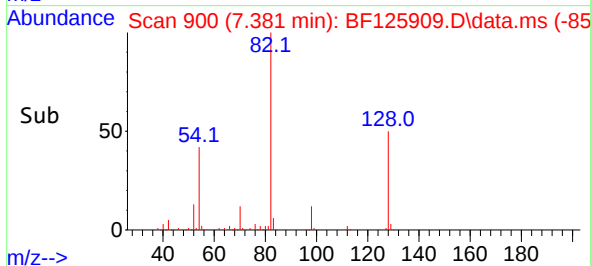
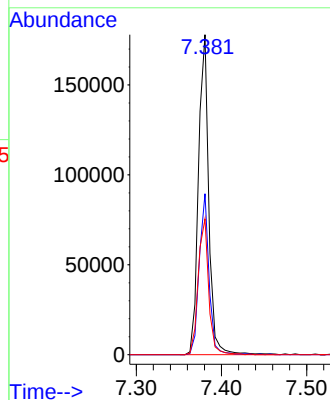
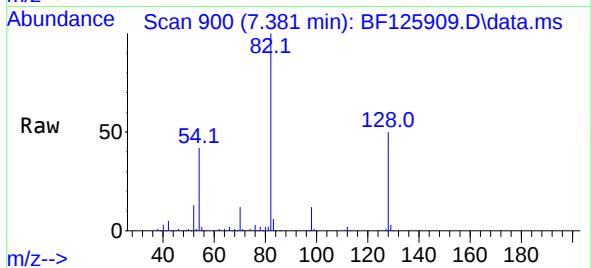
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#31

Naphthalene

Concen: 2.68 ng

RT: 8.128 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF125909.D

Acq: 19 Oct 2021 20:03

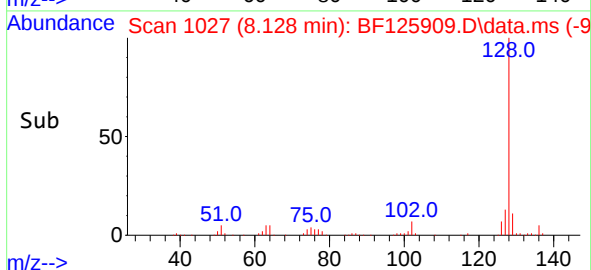
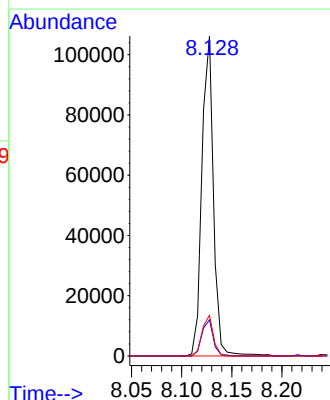
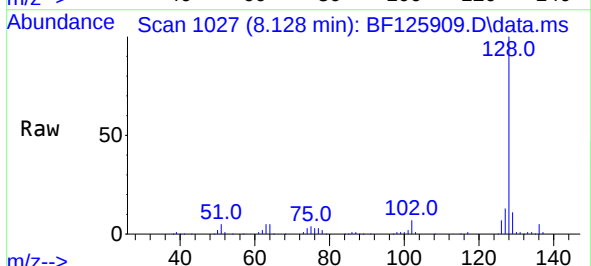
Tgt Ion: 128 Resp: 85294

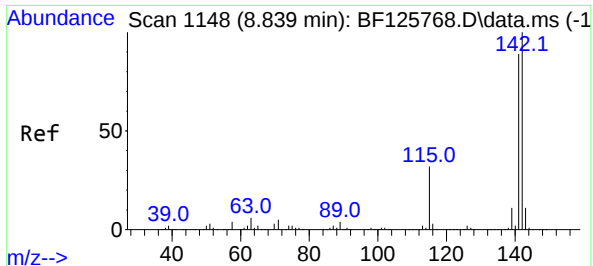
Ion Ratio Lower Upper

128 100

129 11.3 9.4 14.0

127 12.7 10.9 16.3





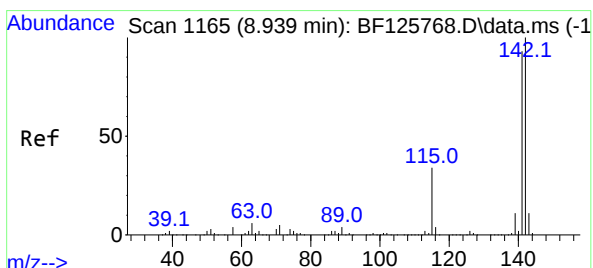
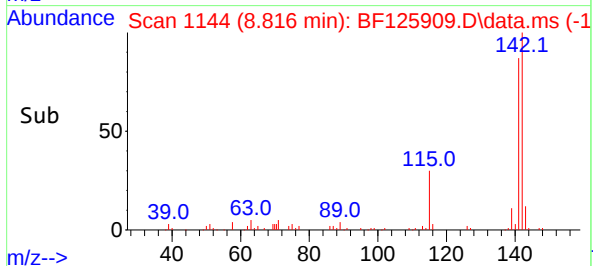
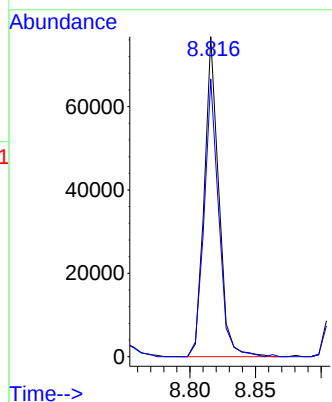
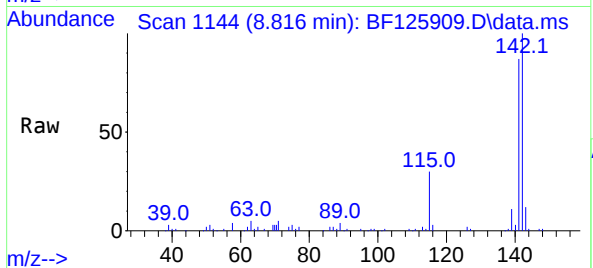
#37
2-Methylnaphthalene
Concen: 2.86 ng
RT: 8.816 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion:142 Resp: 59052
Ion Ratio Lower Upper
142 100
141 86.8 71.2 106.8

Instrument :
BNA_F
ClientSampleID :
TP2-(S)DL

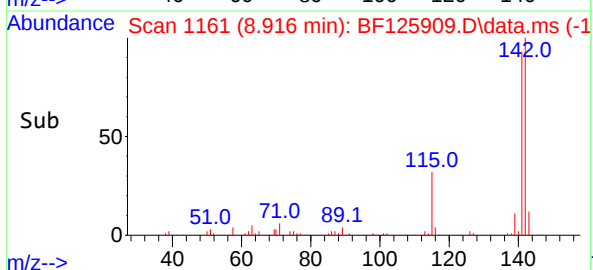
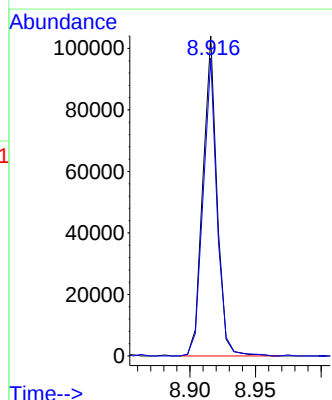
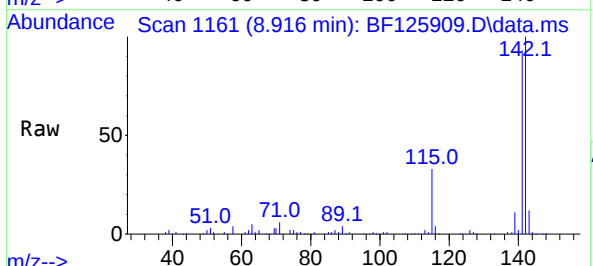
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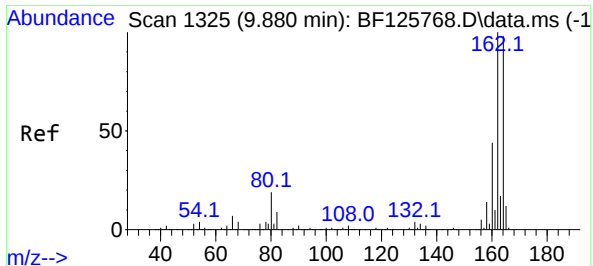
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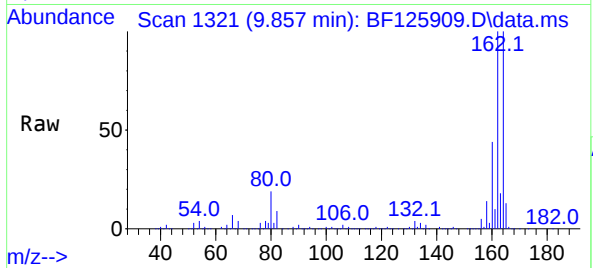
#38
1-Methylnaphthalene
Concen: 3.90 ng
RT: 8.916 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion:142 Resp: 78124
Ion Ratio Lower Upper
142 100
141 93.0 76.0 114.0

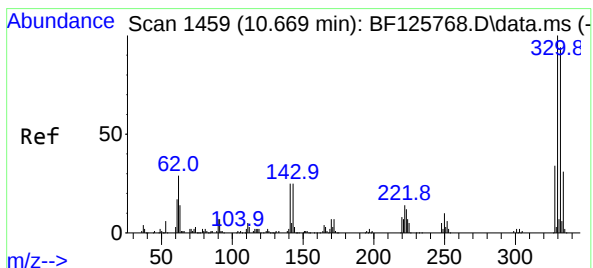
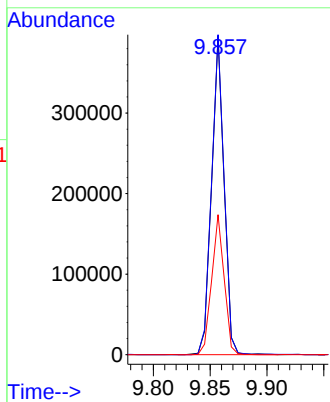
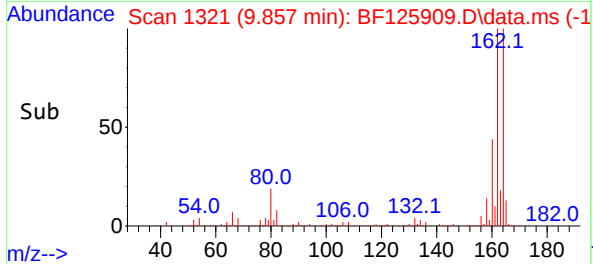




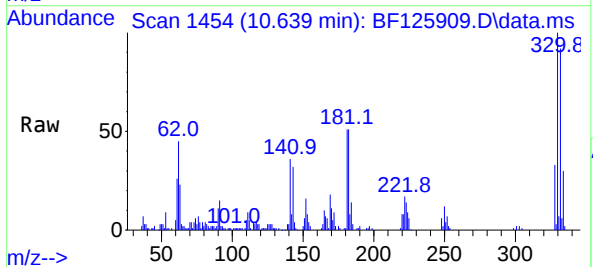
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03



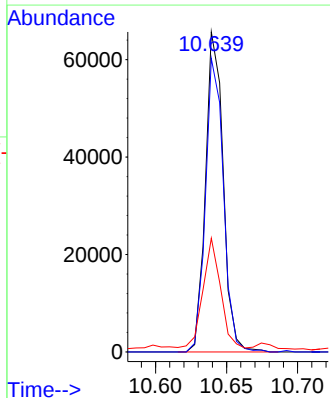
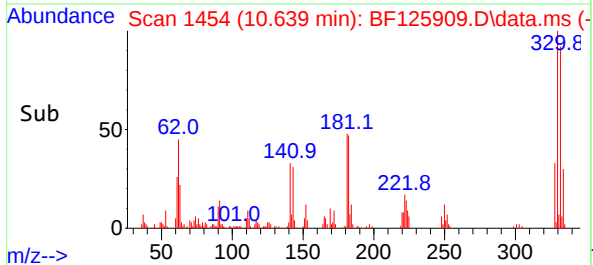
Tgt Ion:164 Resp: 301146
Ion Ratio Lower Upper
164 100
162 100.4 81.3 121.9
160 43.9 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 19.11 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03



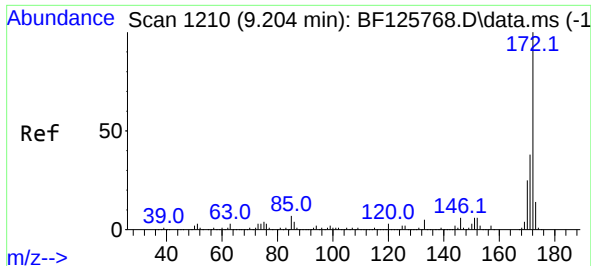
Tgt Ion:330 Resp: 56820
Ion Ratio Lower Upper
330 100
332 93.3 76.2 114.4
141 34.1 44.6 66.8#



Instrument :
BNA_F
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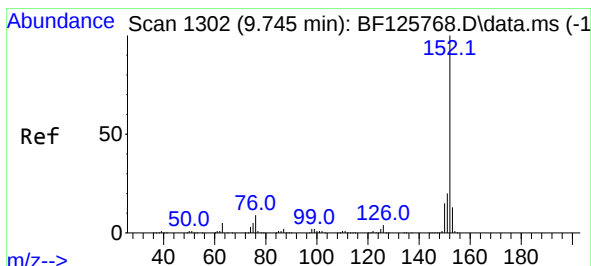
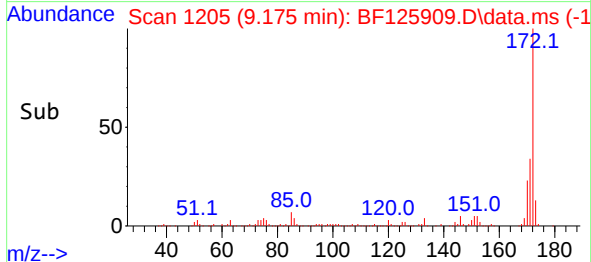
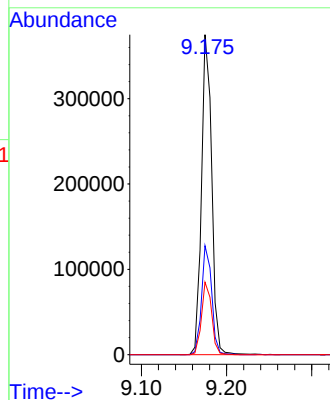
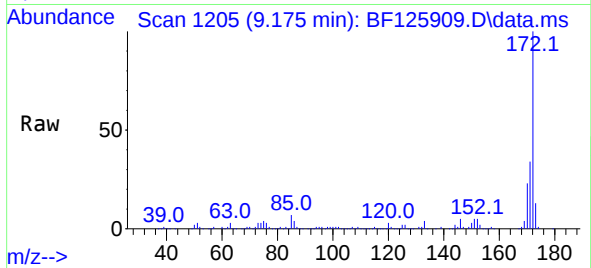
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2-Fluorobiphenyl
Concen: 17.94 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion:172 Resp: 313191
Ion Ratio Lower Upper
172 100
171 34.0 26.5 39.7
170 22.6 18.8 28.2

Instrument :
BNA_F
ClientSampleID :
TP2-(S)DL

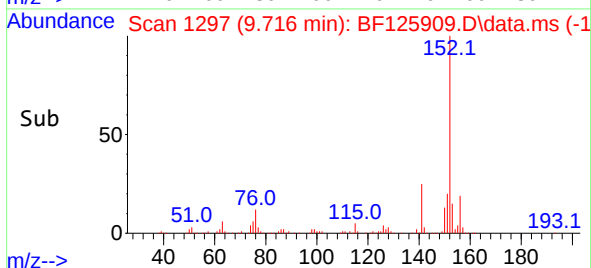
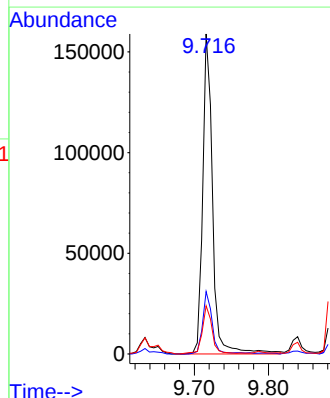
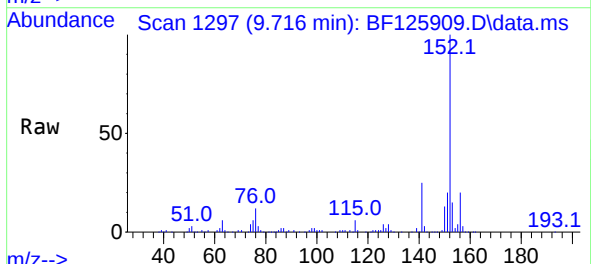
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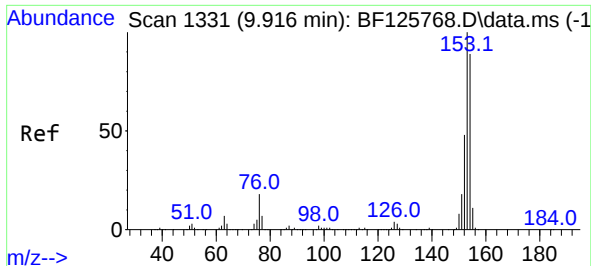
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#49
Acenaphthylene
Concen: 5.57 ng
RT: 9.716 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

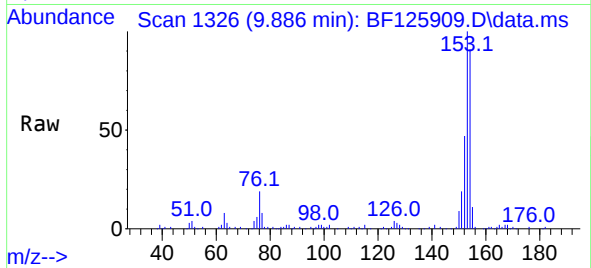
Tgt Ion:152 Resp: 146711
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 15.0 9.8 14.8#





#52
Acenaphthene
Concen: 4.35 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

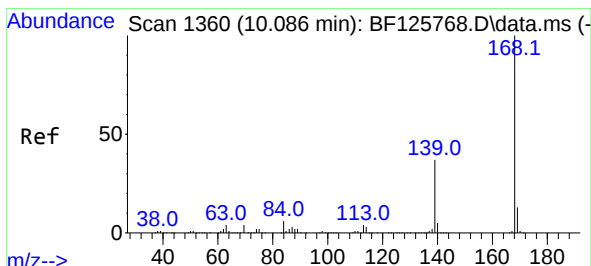
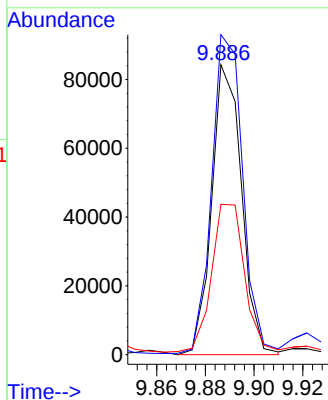
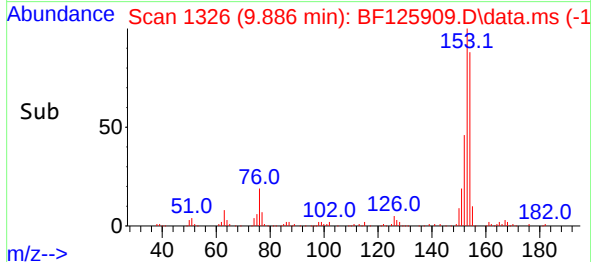
Instrument :
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TP2-(S)DL



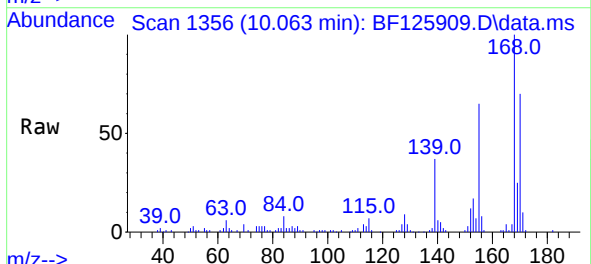
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Ion Ratio Lower Upper
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153 110.3 89.4 134.2
152 51.9 40.5 60.7

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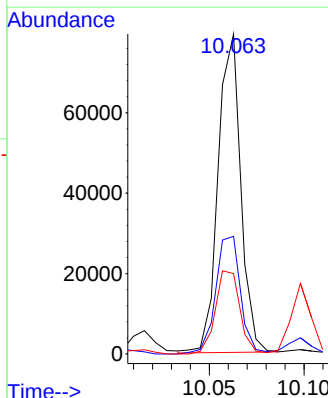
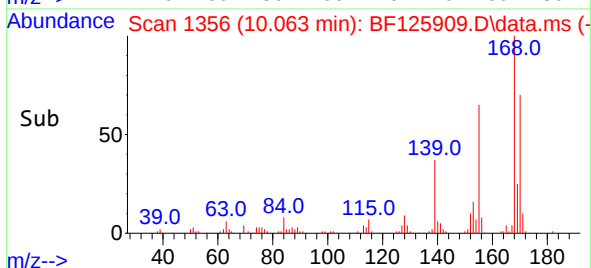
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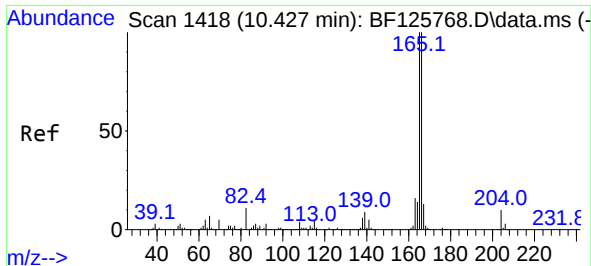


#55
Dibenzofuran
Concen: 2.68 ng
RT: 10.063 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03



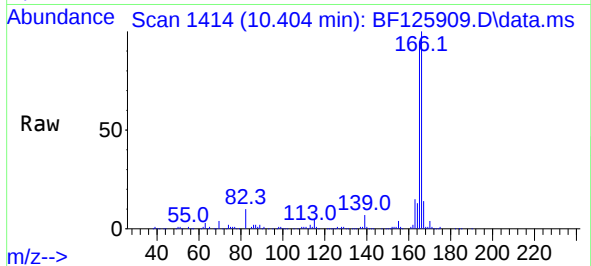
Tgt Ion:168 Resp: 65948
Ion Ratio Lower Upper
168 100
139 36.8 32.7 49.1
169 25.1 11.2 16.8#





#58
Fluorene
Concen: 9.15 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

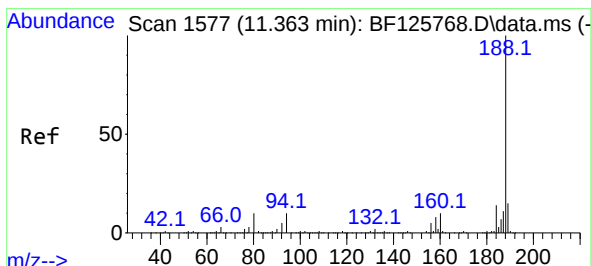
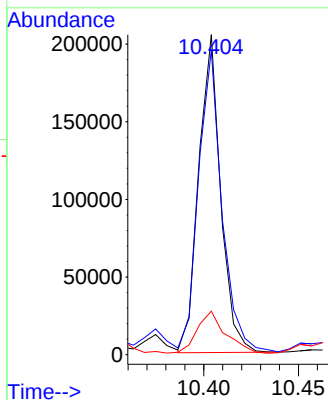
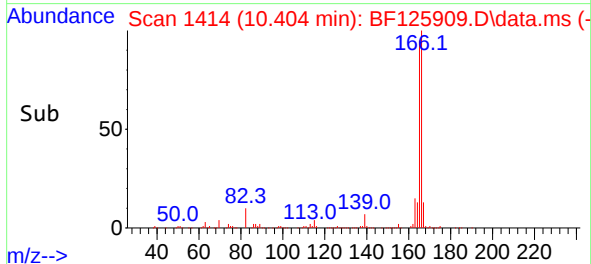
Instrument :
BNA_F
ClientSampled :
TP2-(S)DL



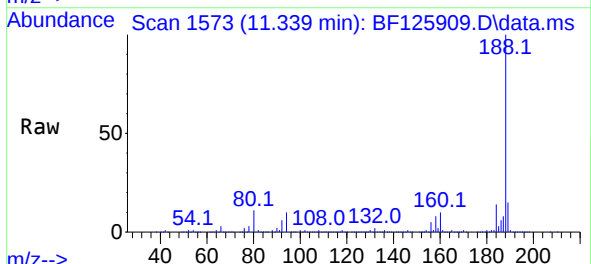
Tgt Ion:166 Resp: 165204
Ion Ratio Lower Upper
166 100
165 95.2 78.1 117.1
167 13.6 11.1 16.7

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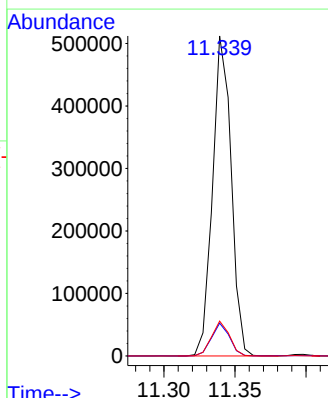
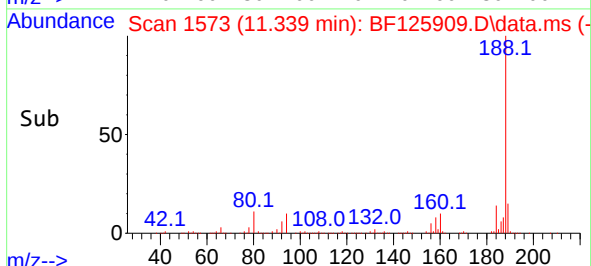
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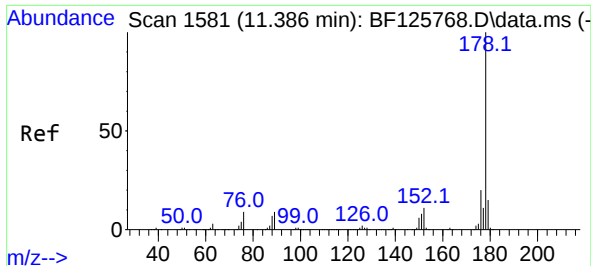


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03



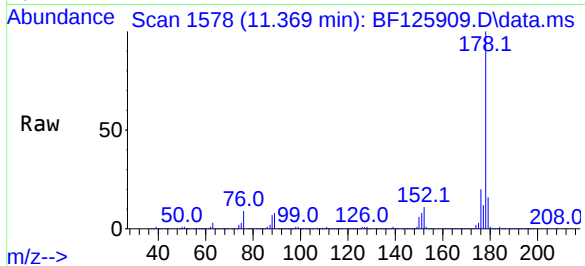
Tgt Ion:188 Resp: 465623
Ion Ratio Lower Upper
188 100
94 10.3 6.7 10.1#
80 10.9 7.5 11.3





#71
Phenanthrene
Concen: 63.18 ng
RT: 11.369 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

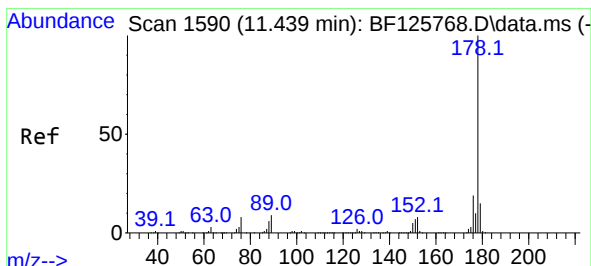
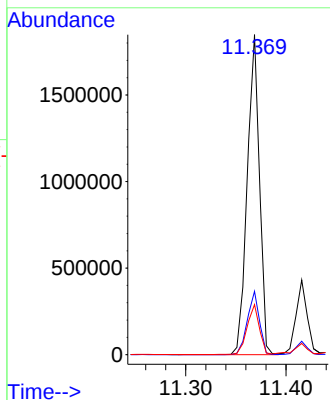
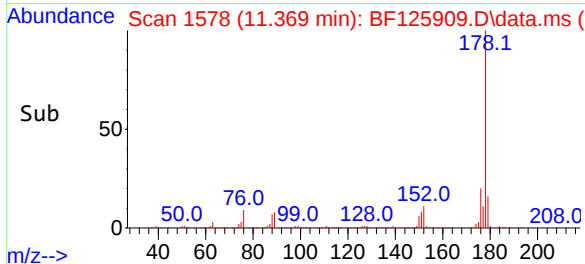
Instrument :
BNA_F
ClientSampled :
TP2-(S)DL



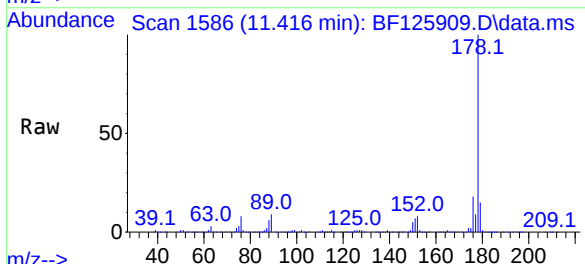
Tgt Ion:178 Resp: 1573971
Ion Ratio Lower Upper
178 100
176 19.8 14.7 22.1
179 15.7 11.5 17.3

Manual Integrations
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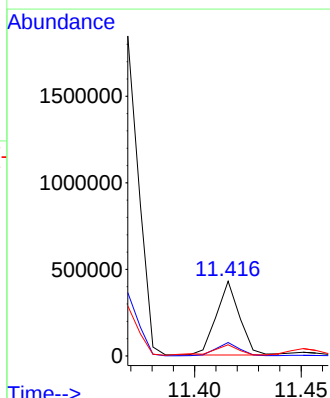
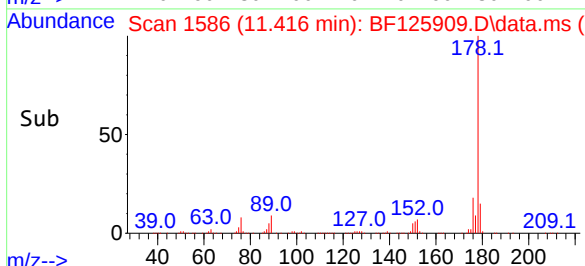
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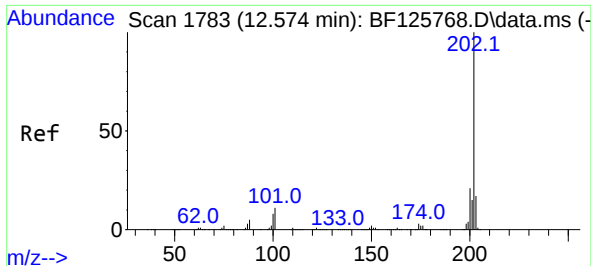


#72
Anthracene
Concen: 13.00 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

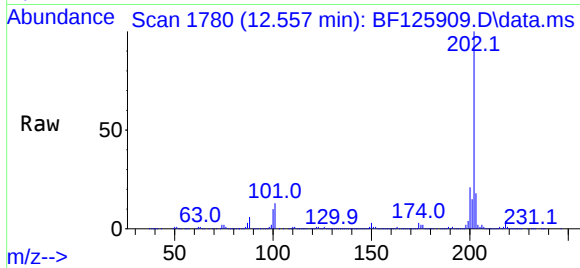


Tgt Ion:178 Resp: 323422
Ion Ratio Lower Upper
178 100
176 17.9 14.3 21.5
179 15.1 12.2 18.4



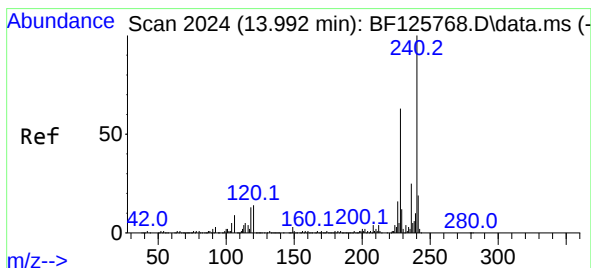
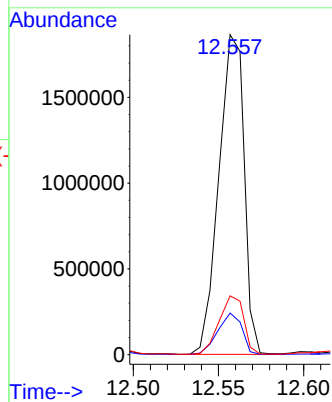
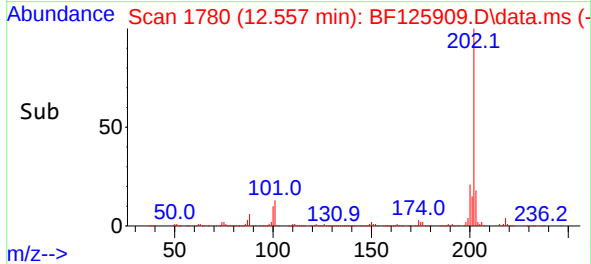


#75
Fluoranthene
Concen: 85.70 ng
RT: 12.557 min Scan# 1780
Delta R.T. 0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

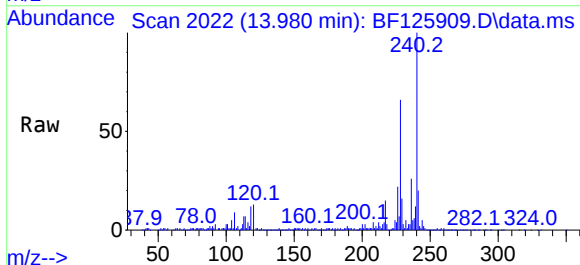


Tgt Ion:202 Resp: 1926399

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	30.7
203	18.4	0.0	36.3

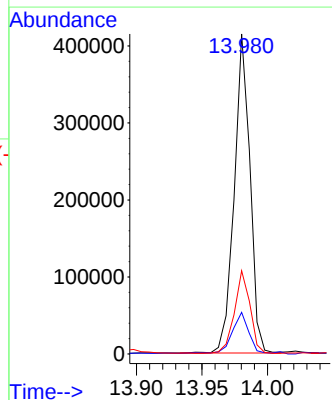
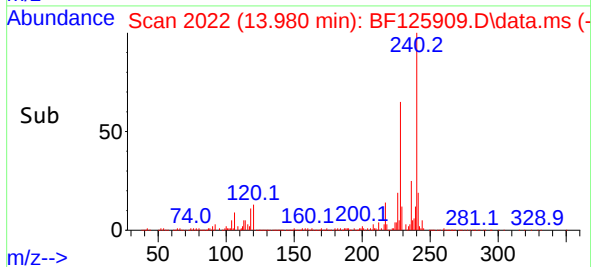


#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03



Tgt Ion:240 Resp: 346751

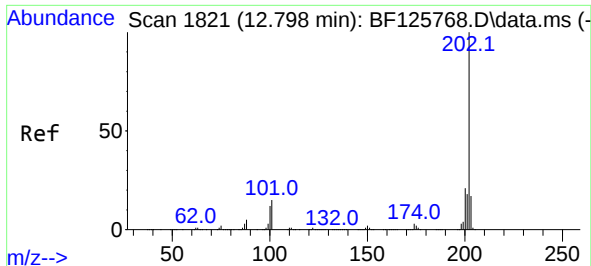
Ion	Ratio	Lower	Upper
240	100		
120	13.0	10.8	16.2
236	26.0	21.6	32.4



Instrument :
BNA_F
ClientSampled :
TP2-(S)DL

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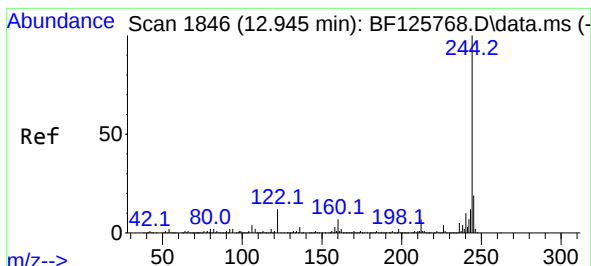
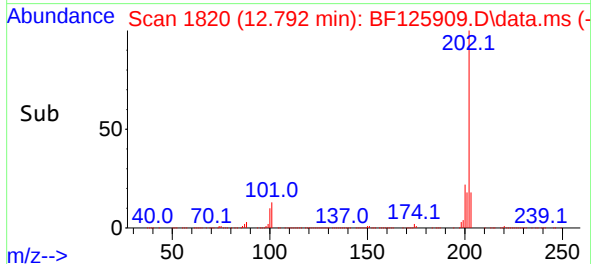
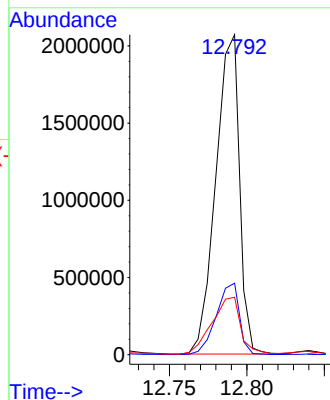
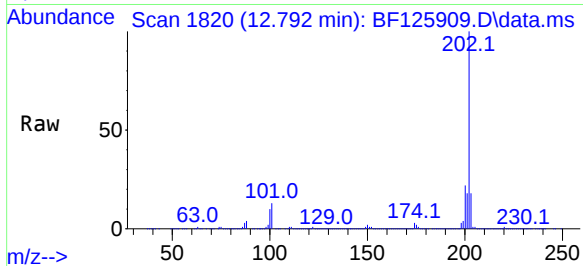
#78
Pyrene
Concen: 62.50 ng
RT: 12.792 min Scan# 1820
Delta R.T. 0.012 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion:202 Resp: 2201612
Ion Ratio Lower Upper
202 100
200 22.4 15.3 22.9
203 18.0 13.4 20.0

Instrument :
BNA_F
ClientSampled :
TP2-(S)DL

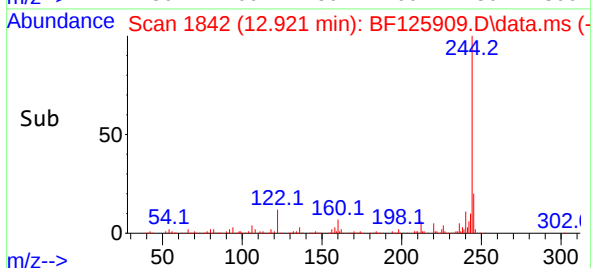
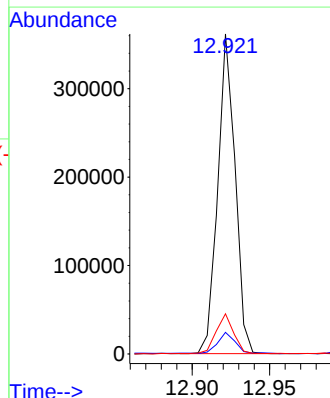
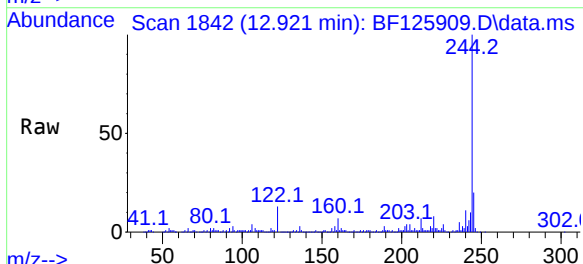
Manual Integrations
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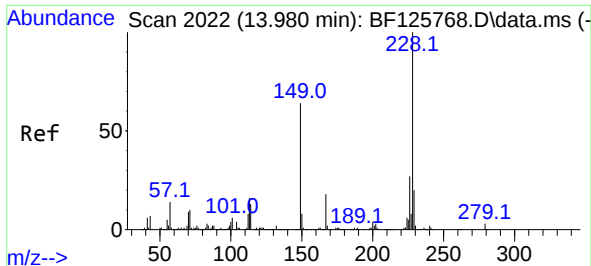
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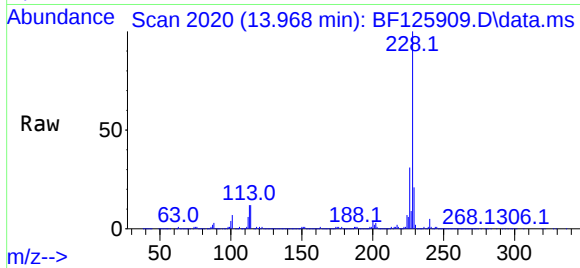
#79
Terphenyl-d14
Concen: 12.38 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion:244 Resp: 281737
Ion Ratio Lower Upper
244 100
212 6.7 5.9 8.9
122 12.6 9.0 13.4

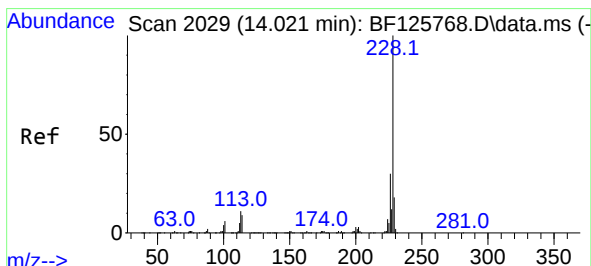
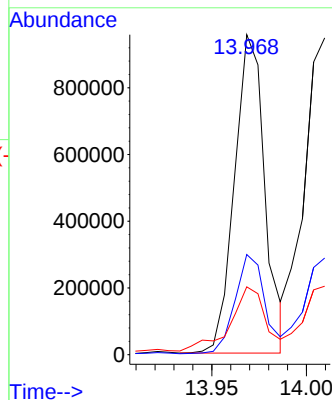
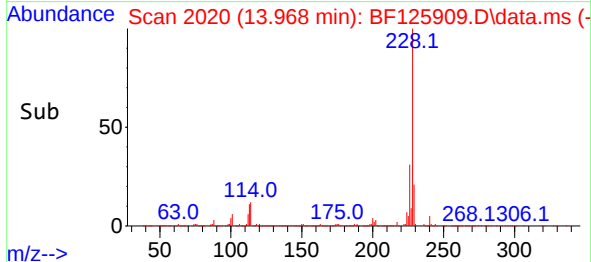




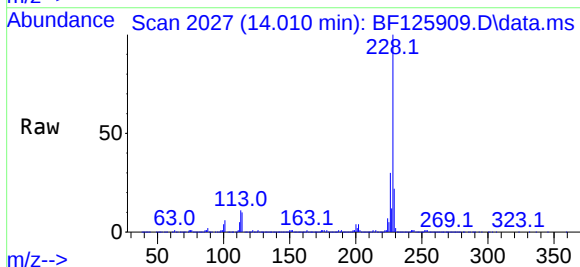
#81
Benzo(a)anthracene
Concen: 47.25 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03



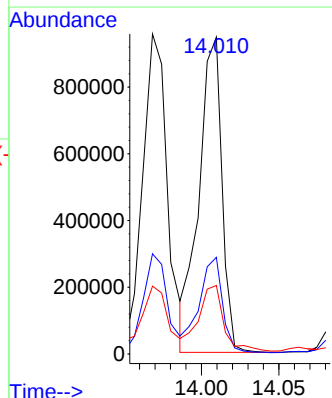
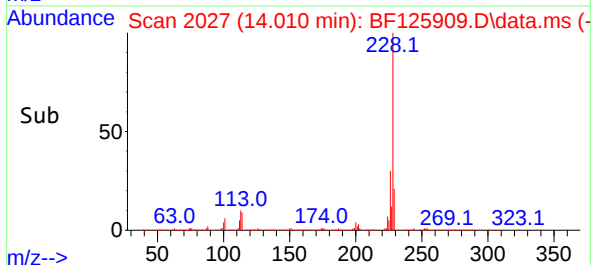
Tgt Ion:228 Resp: 1063061
Ion Ratio Lower Upper
228 100
226 31.3 21.6 32.4
229 21.2 15.6 23.4



#83
Chrysene
Concen: 43.90 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03



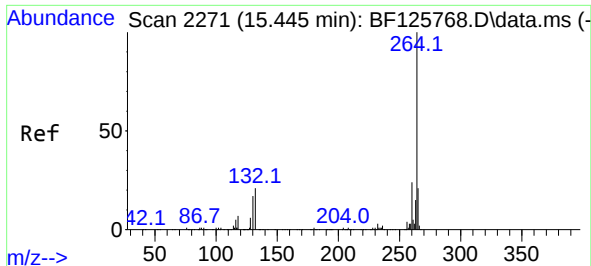
Tgt Ion:228 Resp: 976102
Ion Ratio Lower Upper
228 100
226 30.5 22.6 34.0
229 21.6 15.9 23.9



Instrument :
BNA_F
ClientSampleId :
TP2-(S)DL

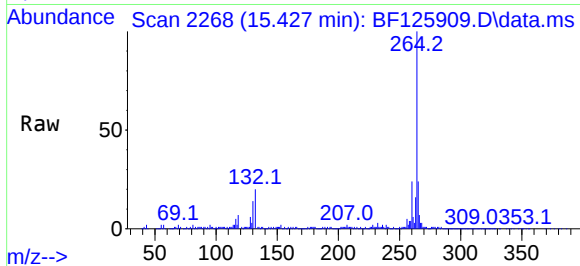
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

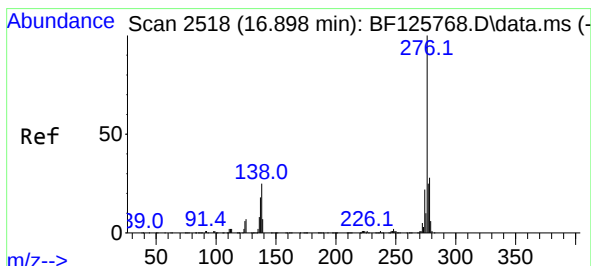
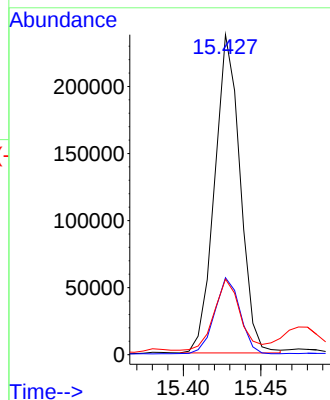
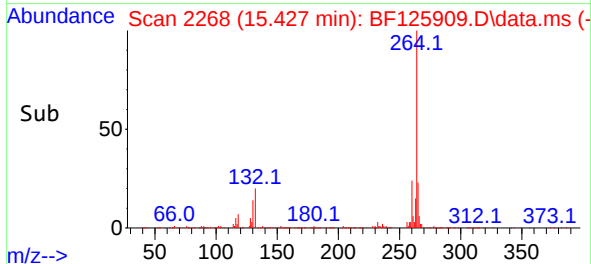
Instrument :
BNA_F
ClientSampled :
TP2-(S)DL



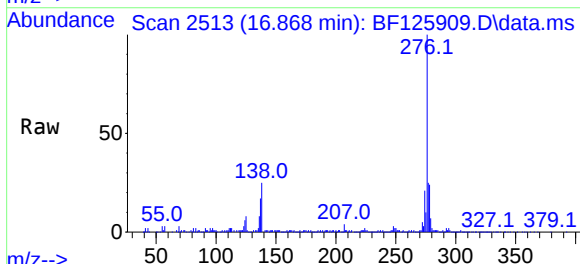
Tgt Ion:264 Resp: 271676
Ion Ratio Lower Upper
264 100
260 24.1 19.6 29.4
265 23.6 17.2 25.8

Manual Integrations
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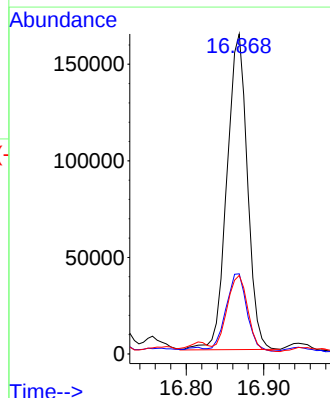
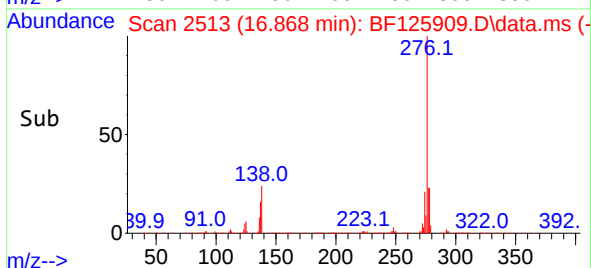
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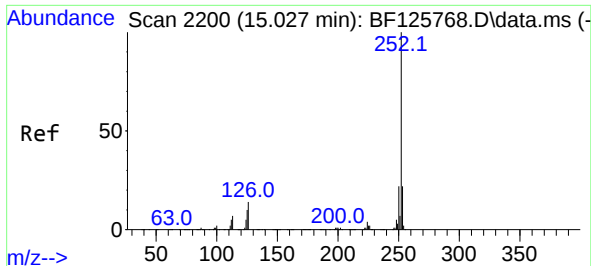


#87
Indeno(1,2,3-cd)pyrene
Concen: 14.52 ng
RT: 16.868 min Scan# 2513
Delta R.T. 0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03



Tgt Ion:276 Resp: 301096
Ion Ratio Lower Upper
276 100
138 25.0 24.1 36.1
277 24.5 18.8 28.2





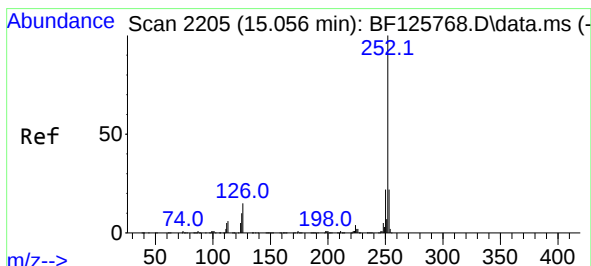
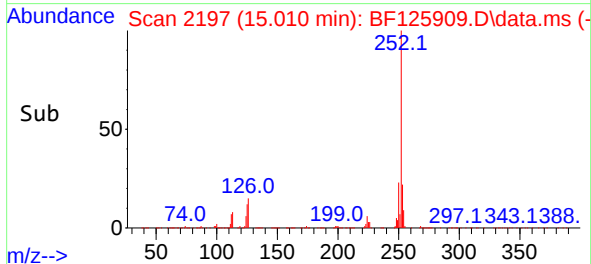
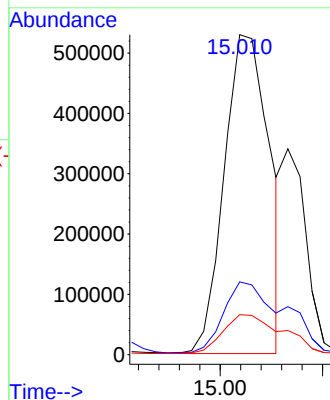
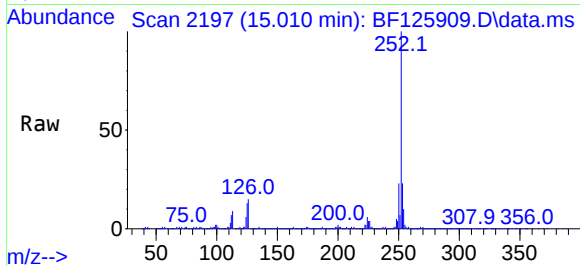
#88
Benzo(b)fluoranthene
Concen: 52.94 ng m
RT: 15.010 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion:	252	Resp:	812036
Ion Ratio	Lower	Upper	
252	100		
253	22.7	16.8	25.2
125	12.5	9.8	14.8

Instrument :
BNA_F
ClientSampled :
TP2-(S)DL

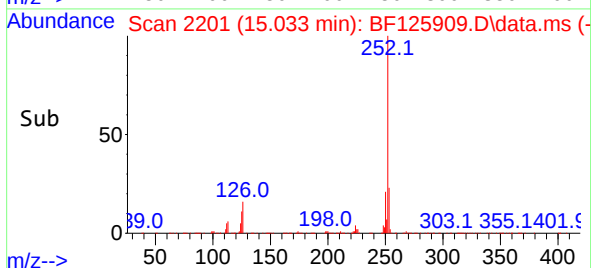
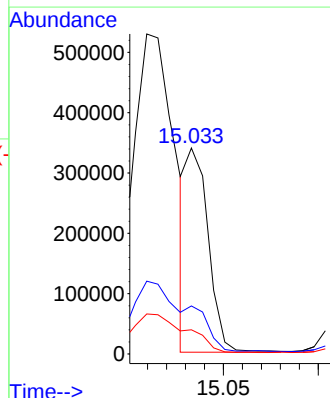
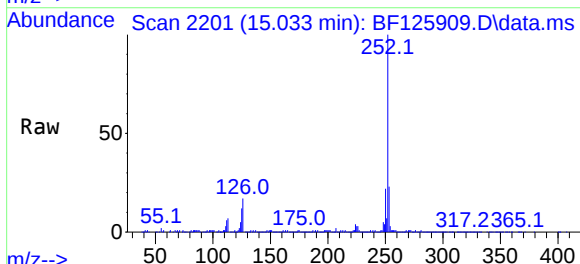
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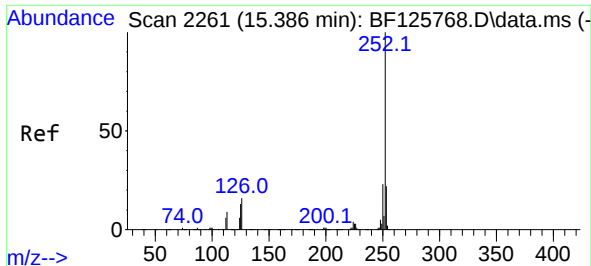
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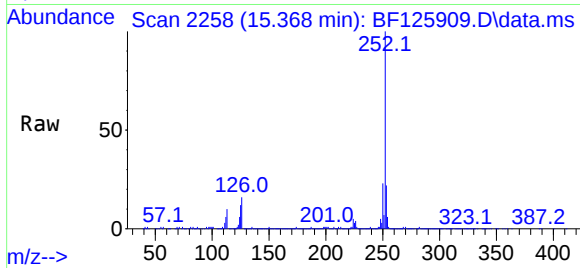
#89
Benzo(k)fluoranthene
Concen: 17.06 ng m
RT: 15.033 min Scan# 2201
Delta R.T. 0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion:	252	Resp:	268630
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.8	26.8
125	11.7	7.2	10.8

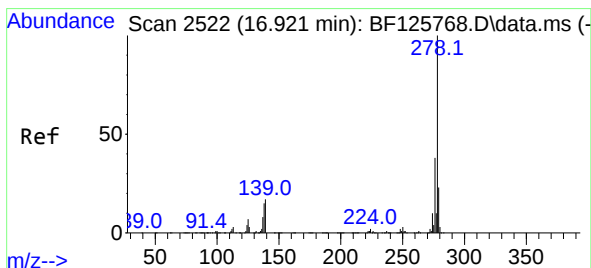
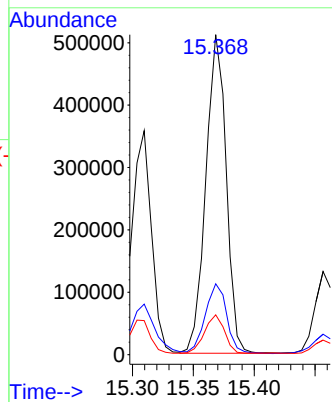
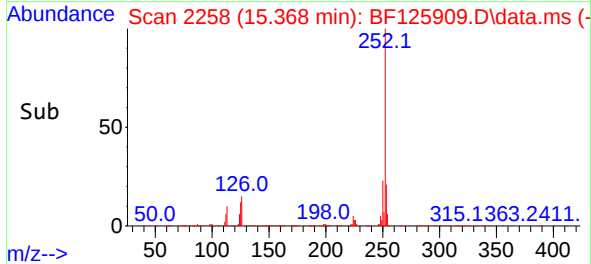




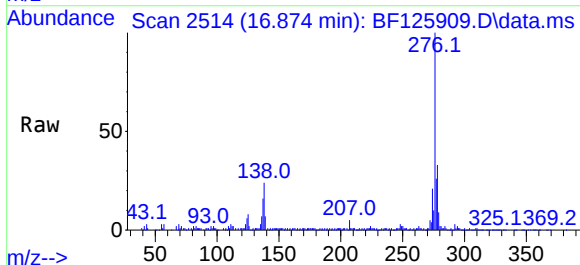
#90
Benzo(a)pyrene
Concen: 43.71 ng
RT: 15.368 min Scan# 2258
Delta R.T. 0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03



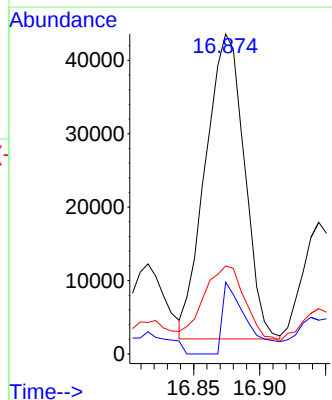
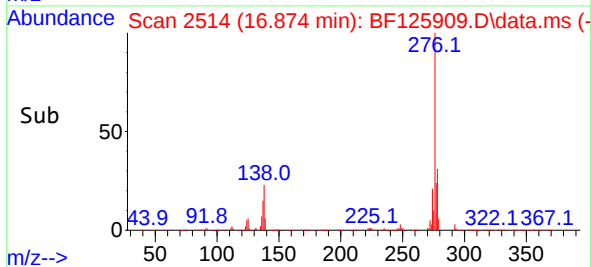
Tgt Ion:252 Resp: 593708
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 12.5 9.9 14.9



#91
Dibenzo(a,h)anthracene
Concen: 4.99 ng m
RT: 16.874 min Scan# 2514
Delta R.T. -0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03



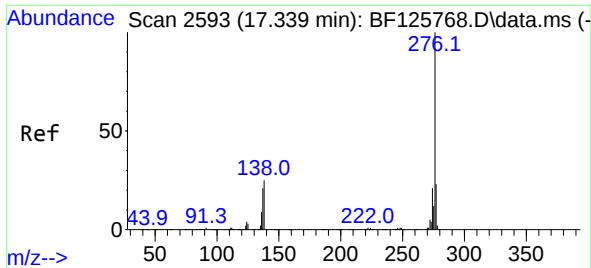
Tgt Ion:278 Resp: 85321
Ion Ratio Lower Upper
278 100
139 22.5 14.9 22.3#
279 27.5 19.7 29.5



Instrument :
BNA_F
ClientSampled :
TP2-(S)DL

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#92
Benzo(g,h,i)perylene
Concen: 16.80 ng
RT: 17.304 min Scan# 2587
Delta R.T. 0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion: 276 Resp: 293424
Ion Ratio Lower Upper
276 100
277 24.5 22.0 33.0
138 25.8 22.2 33.4

Instrument :
BNA_F
ClientSampleId :
TP2-(S)DL

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