

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091521\
 Data File : BF125523.D
 Acq On : 16 Sep 2021 1:24
 Operator : JU/CG
 Sample : M3687-23
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A010015

Manual Integrations
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mohammad
 9/16/2021 11:44:45 AM

Quant Time: Sep 16 03:08:57 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 15 15:08:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	174394	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	648284	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	320633	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	479520	20.000	ng	0.00
76) Chrysene-d12	14.051	240	291335	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	301658	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1100852	100.299	ng	0.00
7) Phenol-d6	6.510	99	1422098	97.487	ng	0.00
23) Nitrobenzene-d5	7.433	82	969749	73.857	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	259824	66.535	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1605353	73.469	ng	0.00
79) Terphenyl-d14	12.986	244	1264245	70.366	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.169	128	84983	2.632	ng	98
32) Benzoic acid	7.910	122	41498	6.765	ng	87
46) 1,1'-Biphenyl	9.327	154	398106	16.559	ng	98
49) Acenaphthylene	9.769	152	156081	5.315	ng	98
55) Dibenzofuran	10.110	168	67384	2.535	ng	94
71) Phenanthrene	11.427	178	1421794	55.414	ng	97
72) Anthracene	11.474	178	350629	13.622	ng	99
73) Carbazole	11.627	167	123331	5.139	ng	97
75) Fluoranthene	12.627	202	2294112	81.960	ng	95
78) Pyrene	12.851	202	2016837	83.811	ng	95
81) Benzo(a)anthracene	14.039	228	1317479	62.703	ng	96
83) Chrysene	14.074	228	1036609	50.974	ng	95
87) Indeno(1,2,3-cd)pyrene	17.033	276	475163	24.285	ng	# 87
88) Benzo(b)fluoranthene	15.104	252	1329766m	58.122	ng	
89) Benzo(k)fluoranthene	15.127	252	384573m	18.267	ng	
90) Benzo(a)pyrene	15.480	252	927373m	47.782	ng	
91) Dibenzo(a,h)anthracene	17.033	278	135510m	8.122	ng	
92) Benzo(g,h,i)perylene	17.486	276	403067	24.566	ng	# 86

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

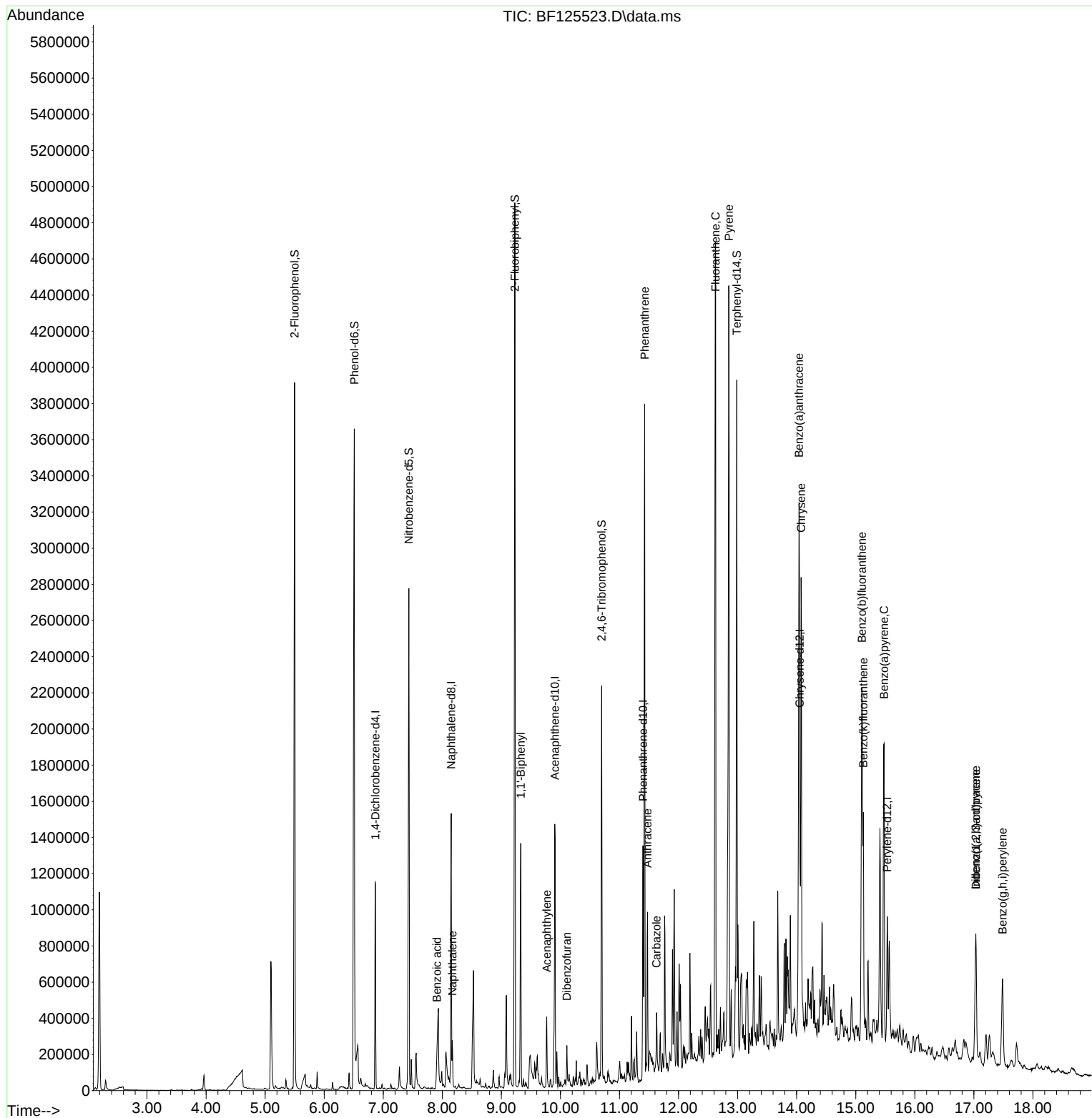
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091521\
Data File : BF125523.D
Acq On : 16 Sep 2021 1:24
Operator : JU/CG
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Misc :
ALS Vial : 18 Sample Multiplier: 1

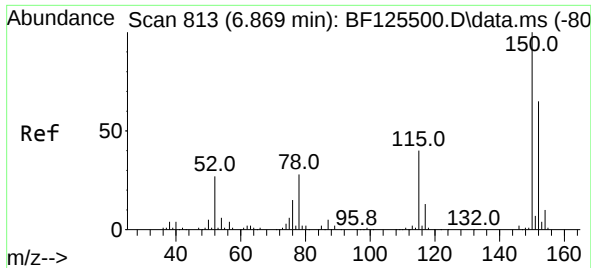
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ClientSampleId :
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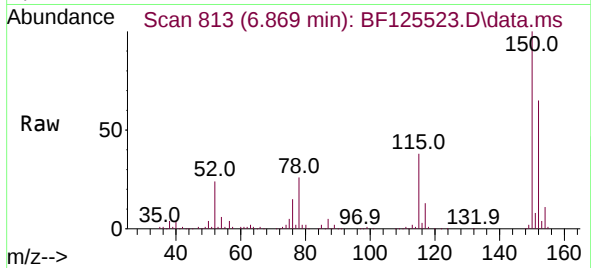
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Quant Time: Sep 16 03:08:57 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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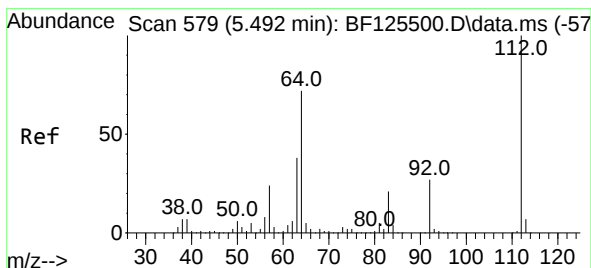
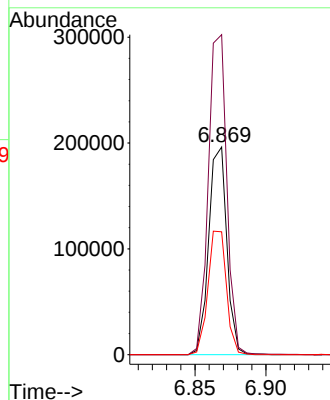
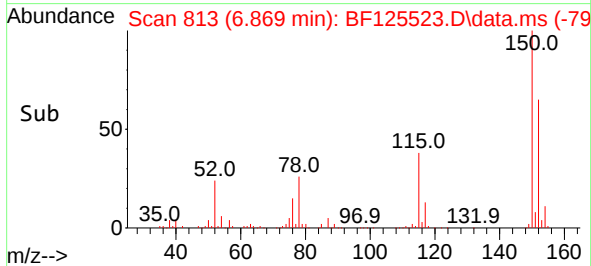




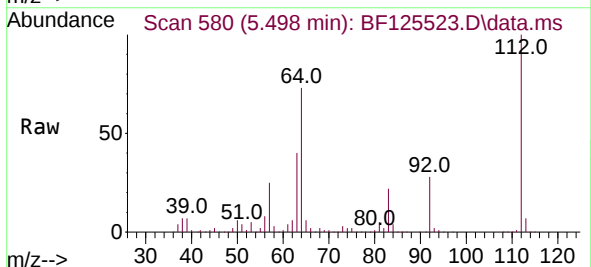
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24



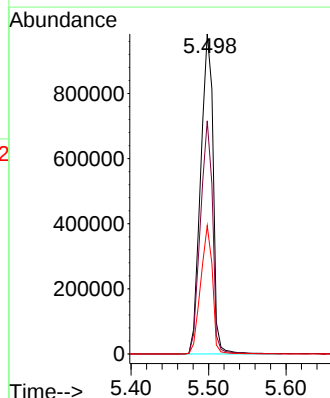
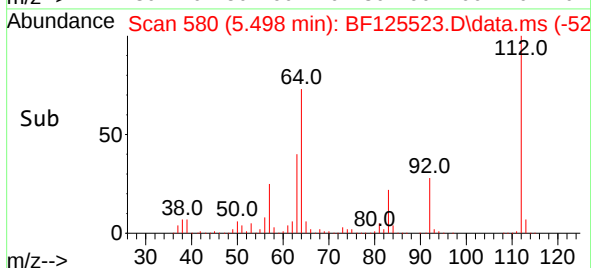
Tgt Ion:152 Resp: 174394
Ion Ratio Lower Upper
152 100
150 154.1 117.6 176.4
115 59.2 47.1 70.7



#5
2-Fluorophenol
Concen: 100.299 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24



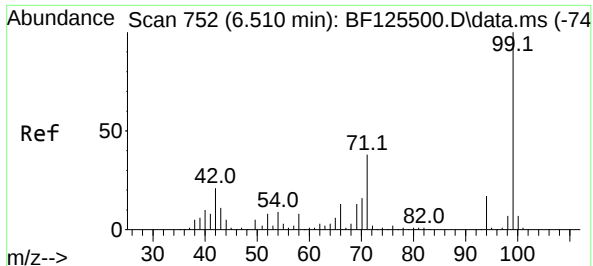
Tgt Ion:112 Resp: 1100852
Ion Ratio Lower Upper
112 100
64 72.8 44.2 66.2#
63 40.1 26.2 39.2#



Instrument :
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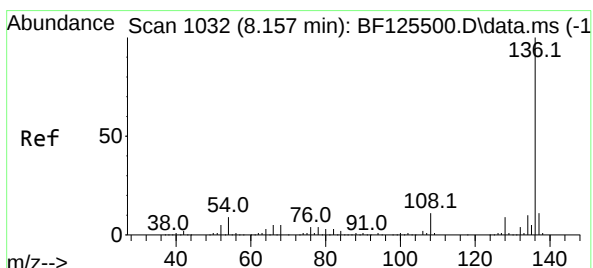
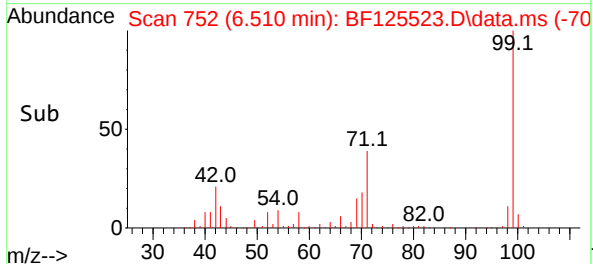
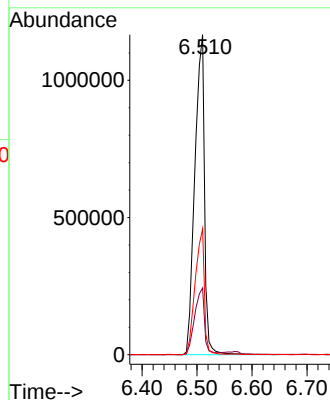
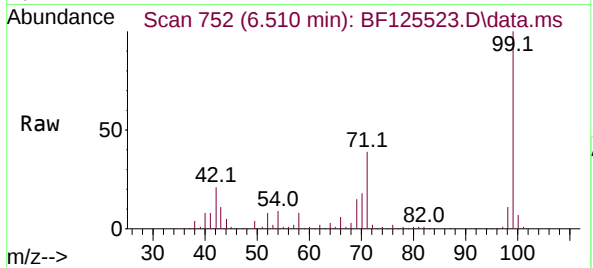
#7
Phenol-d6
Concen: 97.487 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Tgt Ion: 99 Resp: 1422098
Ion Ratio Lower Upper
99 100
42 20.8 23.5 35.3#
71 39.4 25.6 38.4#

Instrument :
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ClientSampled :
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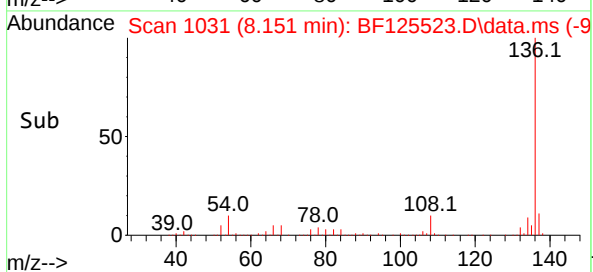
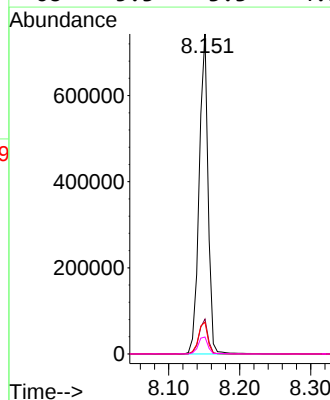
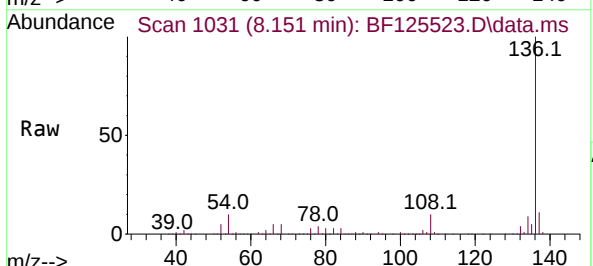
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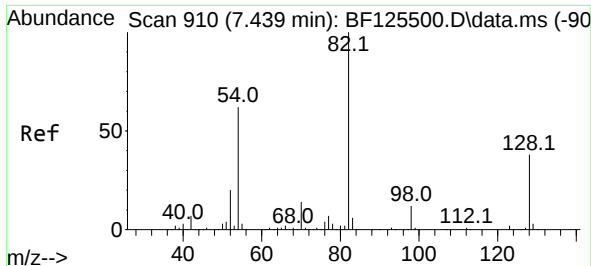
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Tgt Ion: 136 Resp: 648284
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 9.9 6.4 9.6#
68 5.3 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 73.857 ng

RT: 7.433 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF125523.D

Acq: 16 Sep 2021 1:24

Tgt Ion: 82 Resp: 969749

Ion Ratio Lower Upper

82 100

128 38.3 40.6 60.8#

54 61.4 49.6 74.4

Instrument :

BNA_F

ClientSampled :

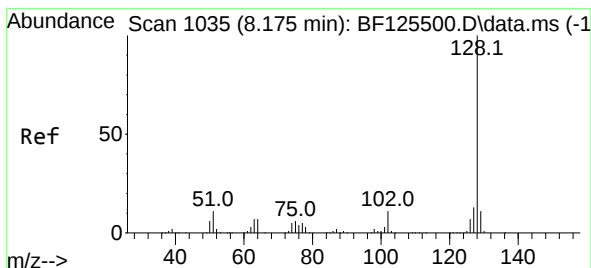
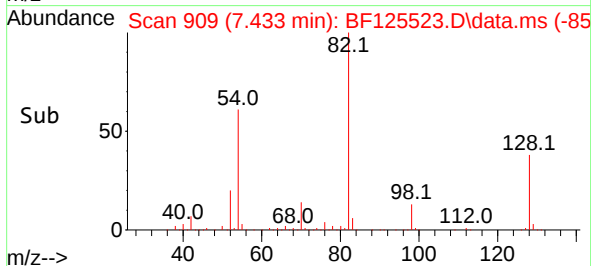
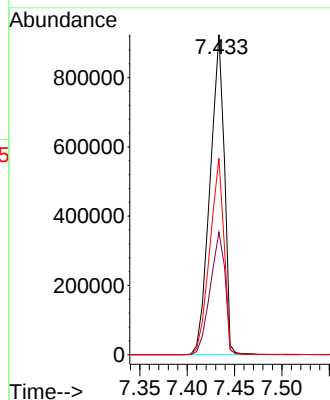
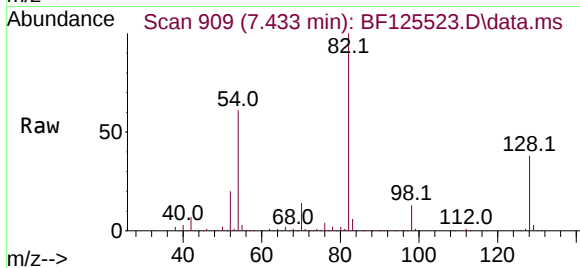
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#31

Naphthalene

Concen: 2.632 ng

RT: 8.169 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF125523.D

Acq: 16 Sep 2021 1:24

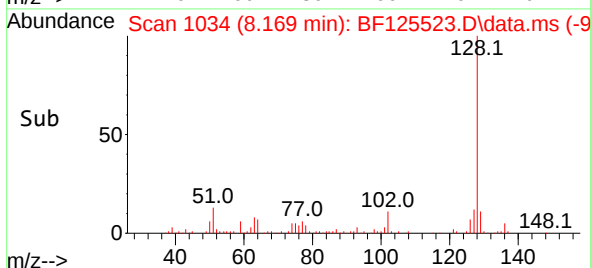
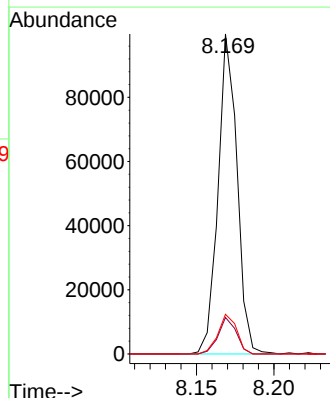
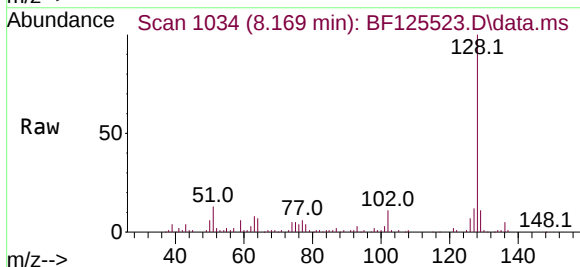
Tgt Ion: 128 Resp: 84983

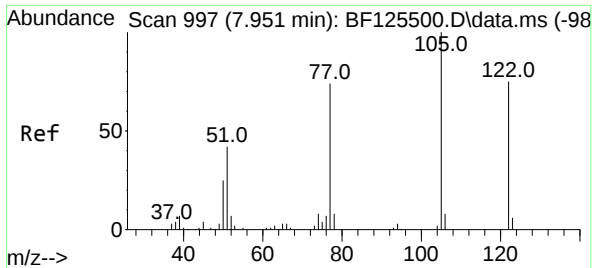
Ion Ratio Lower Upper

128 100

129 11.4 9.4 14.0

127 12.4 10.9 16.3





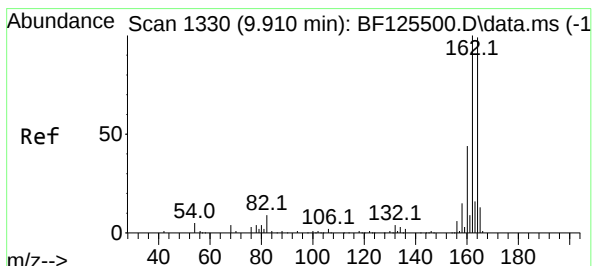
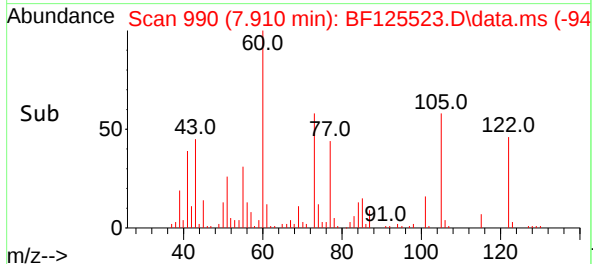
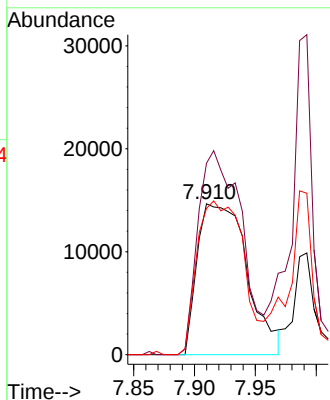
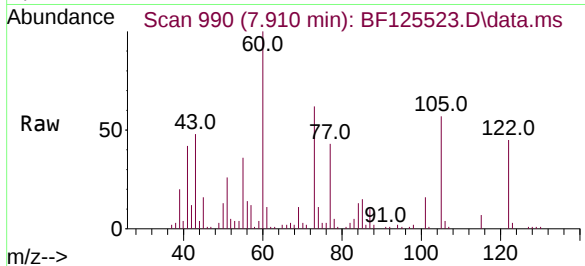
#32
Benzoic acid
Concen: 6.765 ng
RT: 7.910 min Scan# 990
Delta R.T. -0.041 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Tgt Ion:	122	Resp:	41498
Ion Ratio	Lower	Upper	
122	100		
105	127.0	97.6	137.6
77	96.9	59.6	99.6

Instrument :
BNA_F
ClientSampled :
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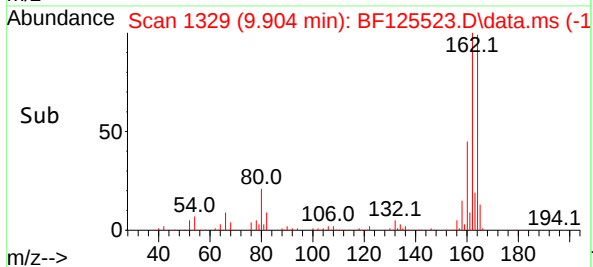
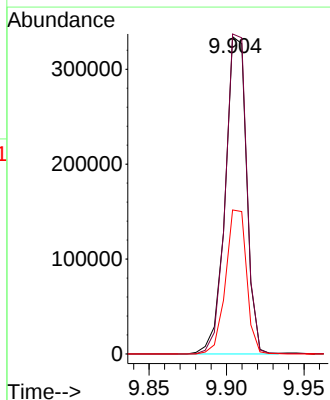
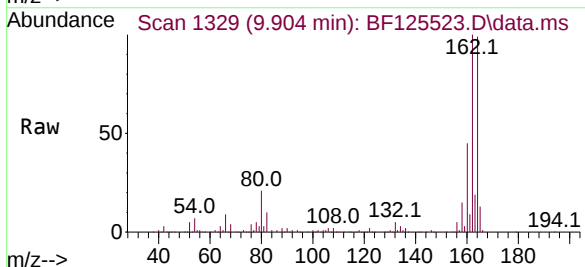
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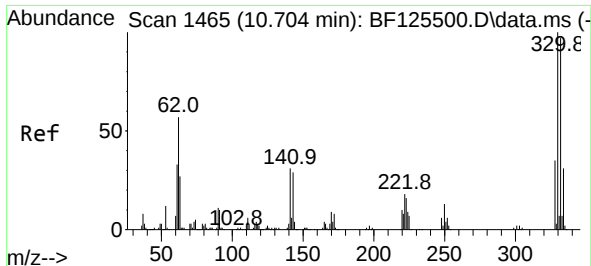
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

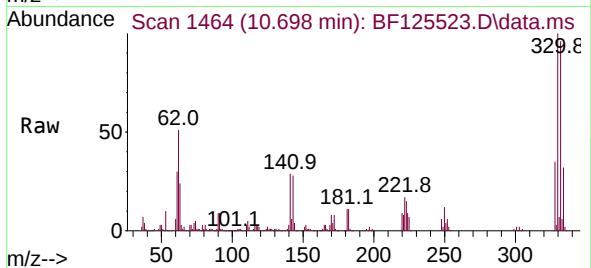
Tgt Ion:	164	Resp:	320633
Ion Ratio	Lower	Upper	
164	100		
162	100.9	81.3	121.9
160	45.4	38.0	57.0





#42
2,4,6-Tribromophenol
Concen: 66.535 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

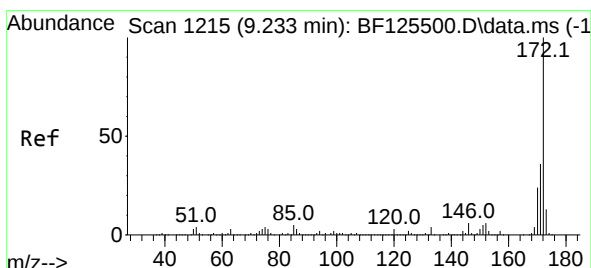
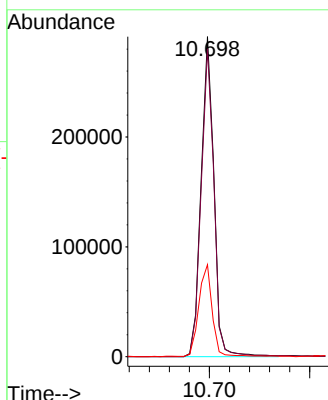
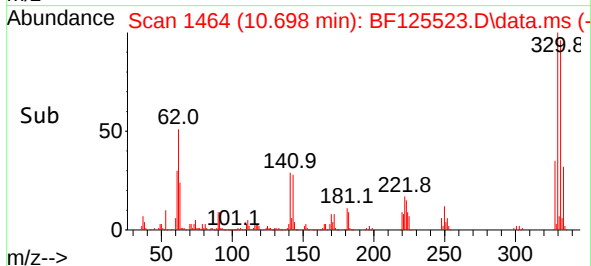
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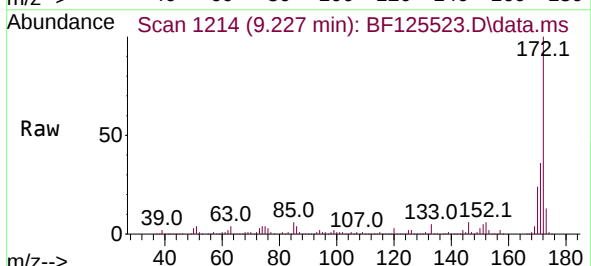
Tgt Ion: 330 Resp: 259824
Ion Ratio Lower Upper
330 100
332 96.7 76.2 114.4
141 30.6 44.6 66.8#

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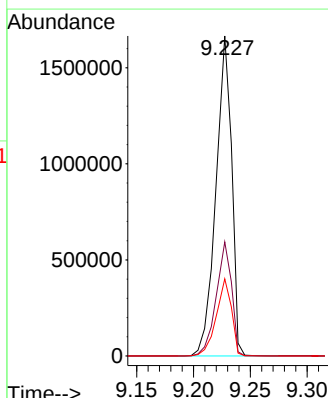
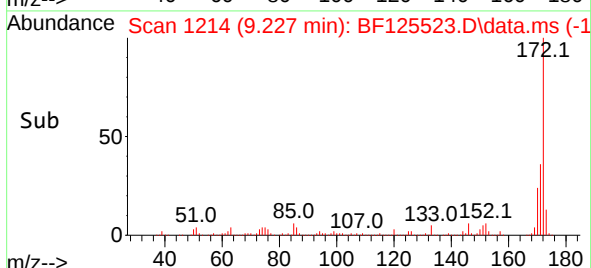
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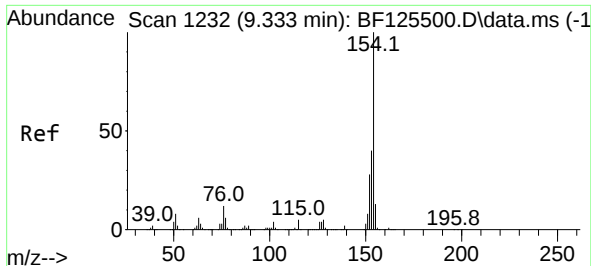


#45
2-Fluorobiphenyl
Concen: 73.469 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24



Tgt Ion: 172 Resp: 1605353
Ion Ratio Lower Upper
172 100
171 35.7 26.5 39.7
170 24.1 18.8 28.2





#46

1,1'-Biphenyl

Concen: 16.559 ng

RT: 9.327 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF125523.D

Acq: 16 Sep 2021 1:24

Tgt Ion:	154	Resp:	398106
Ion Ratio	Lower	Upper	
154	100		
153	39.3	20.0	60.0
76	12.1	0.0	30.3

Instrument :

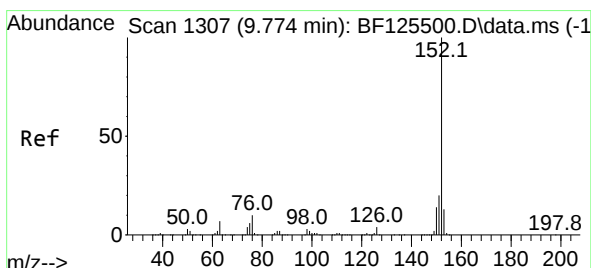
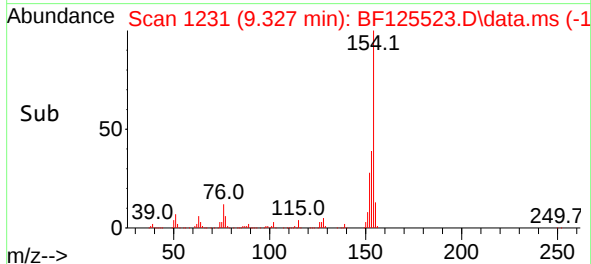
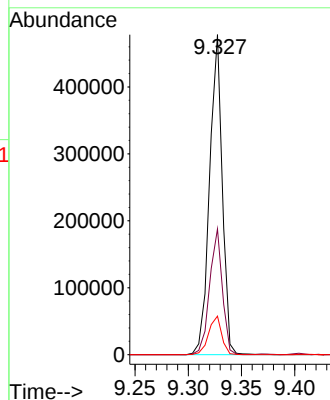
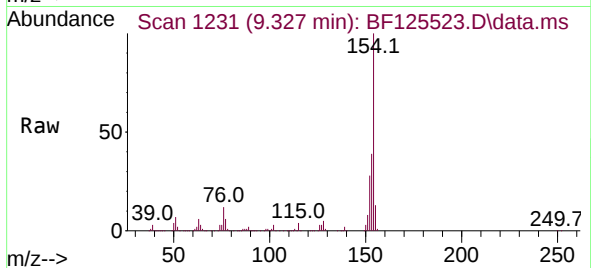
BNA_F

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#49

Acenaphthylene

Concen: 5.315 ng

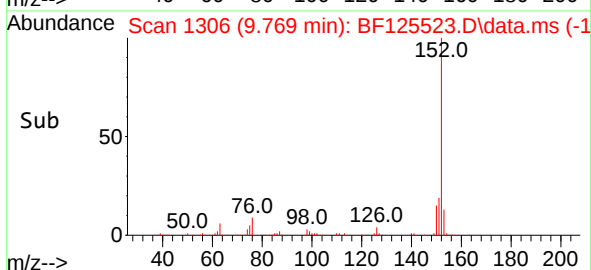
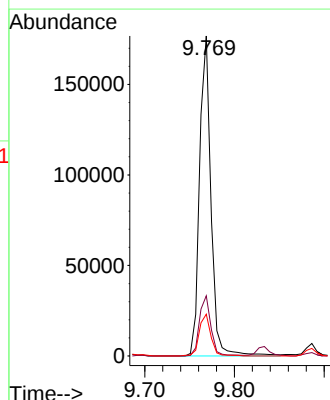
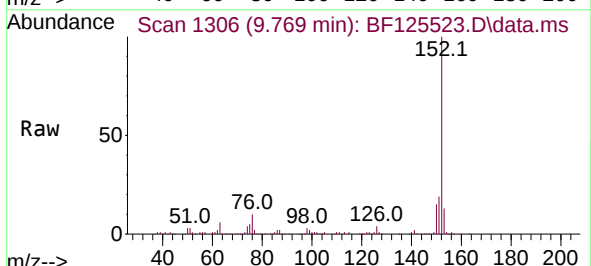
RT: 9.769 min Scan# 1306

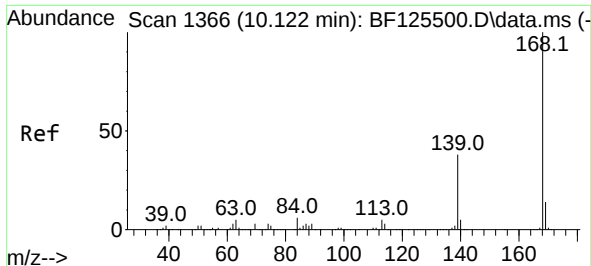
Delta R.T. -0.006 min

Lab File: BF125523.D

Acq: 16 Sep 2021 1:24

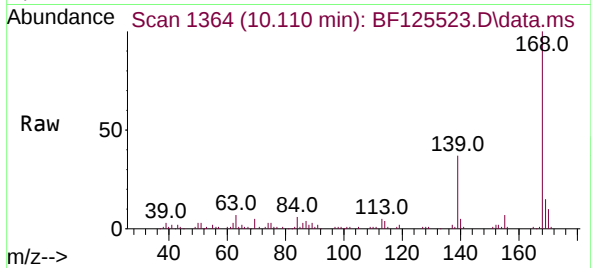
Tgt Ion:	152	Resp:	156081
Ion Ratio	Lower	Upper	
152	100		
151	18.8	15.7	23.5
153	13.0	9.8	14.8





#55
Dibenzenofuran
Concen: 2.535 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

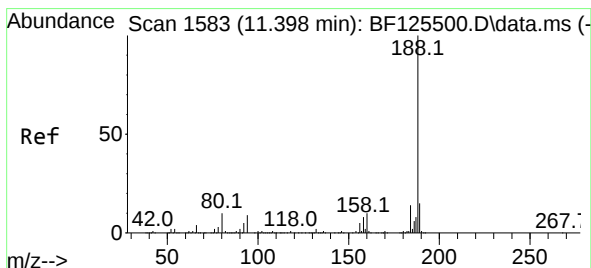
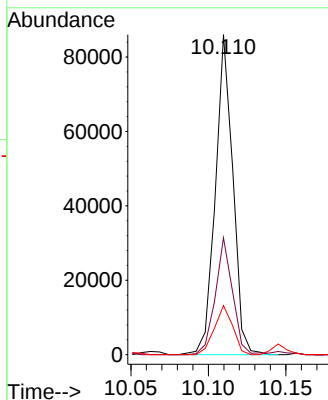
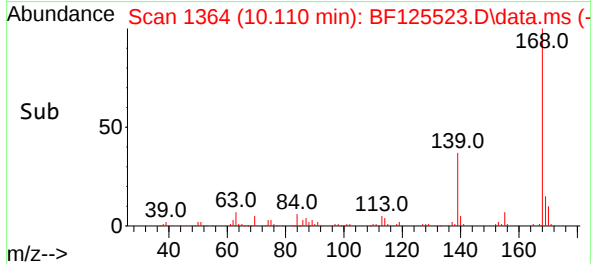
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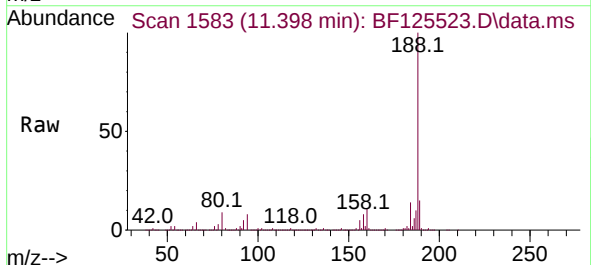
Tgt Ion:168 Resp: 67384
Ion Ratio Lower Upper
168 100
139 36.6 32.7 49.1
169 15.4 11.2 16.8

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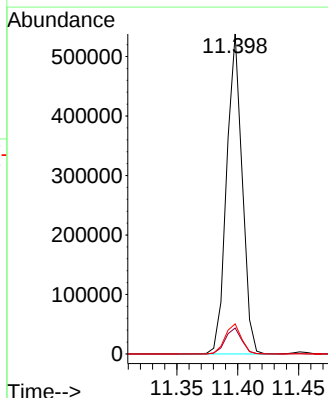
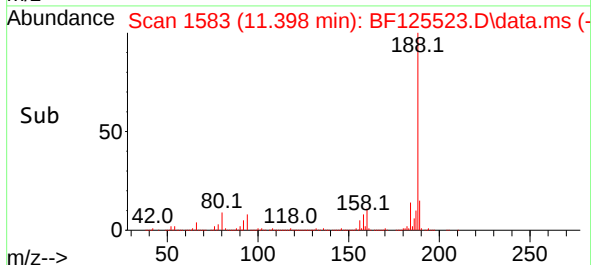
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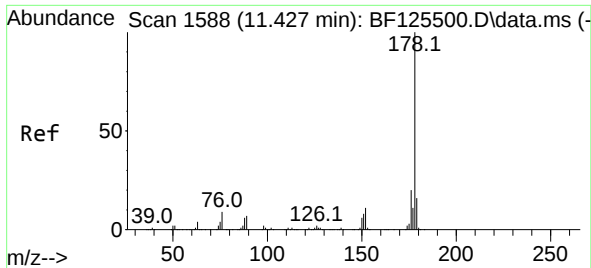


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

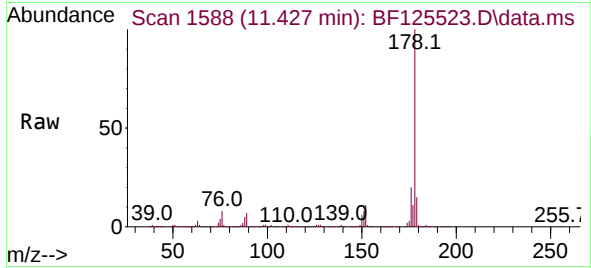


Tgt Ion:188 Resp: 479520
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 9.4 7.5 11.3

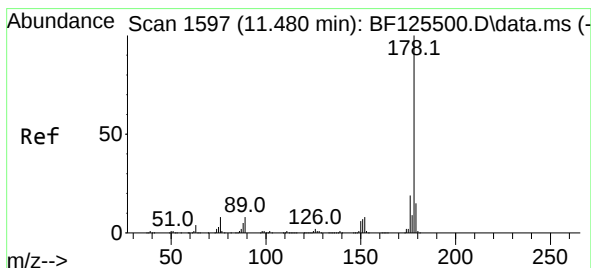
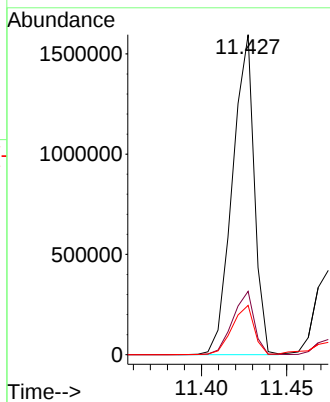
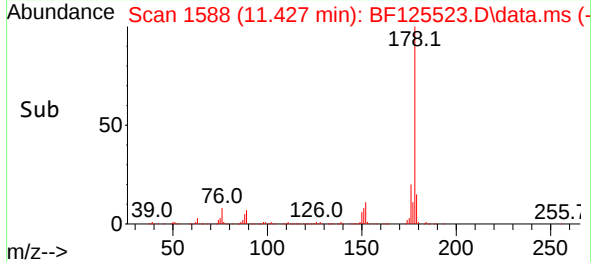




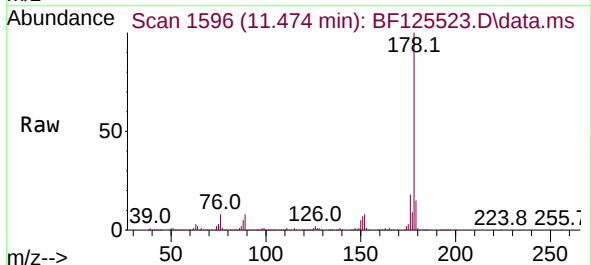
#71
Phenanthrene
Concen: 55.414 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24



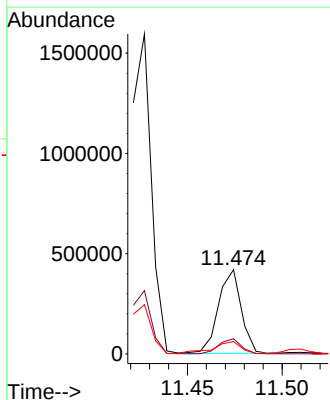
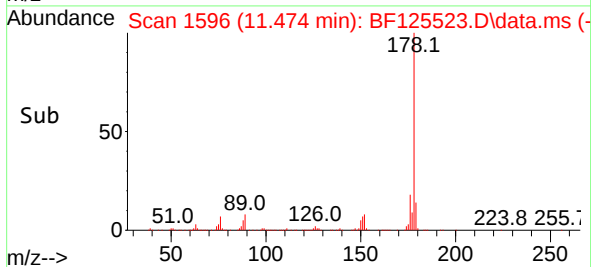
Tgt Ion:178 Resp: 1421794
Ion Ratio Lower Upper
178 100
176 19.8 14.7 22.1
179 15.4 11.5 17.3



#72
Anthracene
Concen: 13.622 ng
RT: 11.474 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24



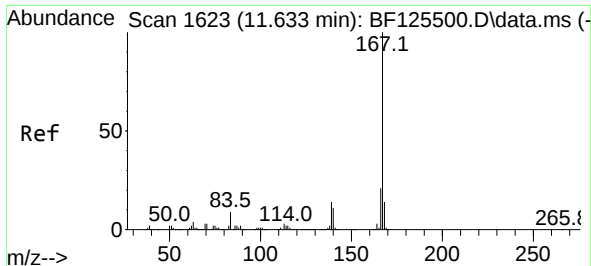
Tgt Ion:178 Resp: 350629
Ion Ratio Lower Upper
178 100
176 18.0 14.3 21.5
179 14.6 12.2 18.4



Instrument :
BNA_F
ClientSampleId :
A010015

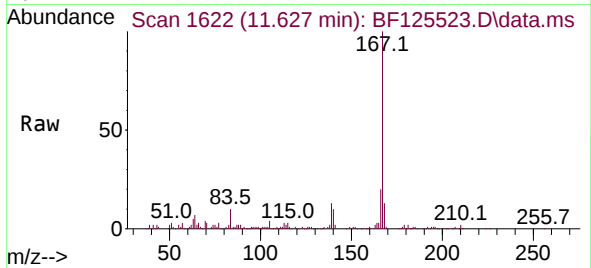
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#73
 Carbazole
 Concen: 5.139 ng
 RT: 11.627 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF125523.D
 Acq: 16 Sep 2021 1:24

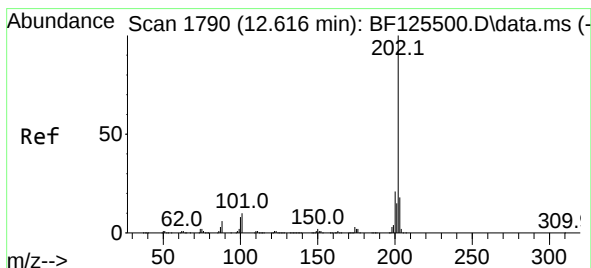
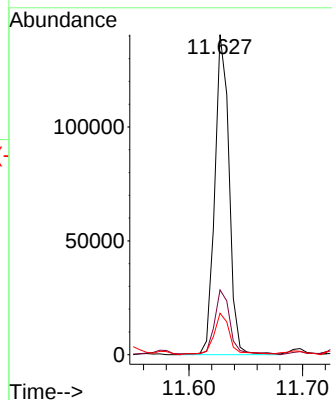
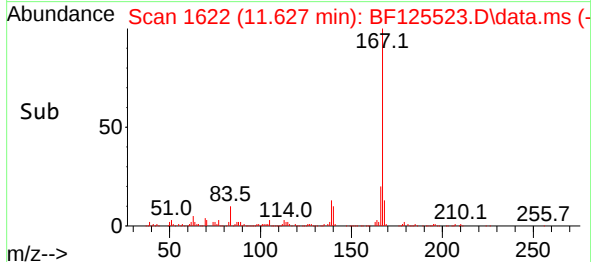
Instrument :
 BNA_F
 ClientSampleId :
 A010015



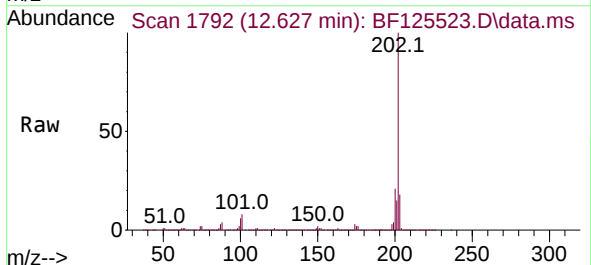
Tgt Ion:	167	Resp:	123331
Ion Ratio	100	Lower	Upper
166	20.3	17.4	26.0
139	12.9	11.0	16.4

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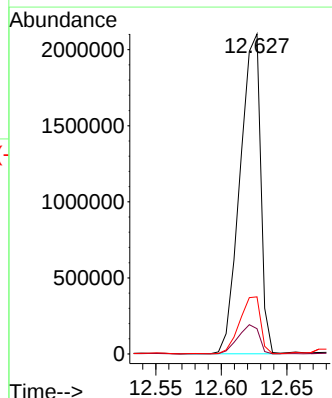
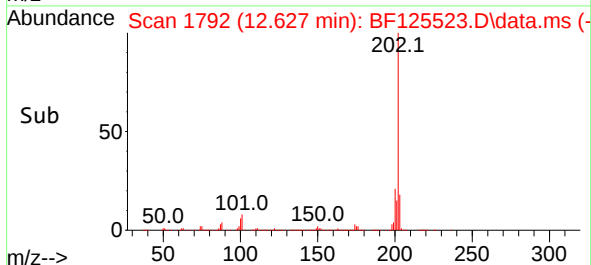
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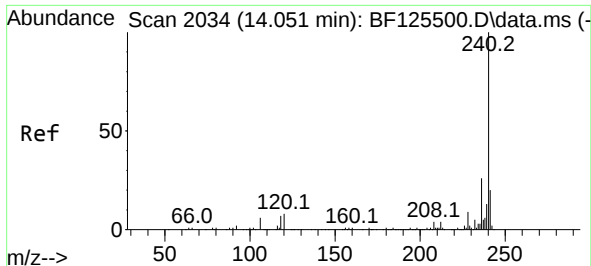


#75
 Fluoranthene
 Concen: 81.960 ng
 RT: 12.627 min Scan# 1792
 Delta R.T. 0.012 min
 Lab File: BF125523.D
 Acq: 16 Sep 2021 1:24

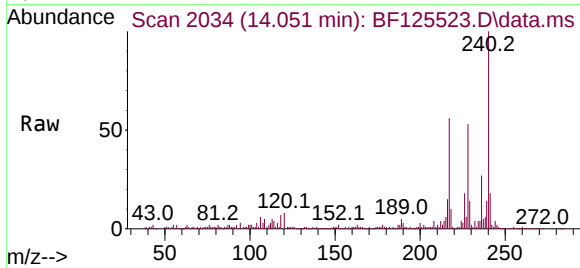


Tgt Ion:	202	Resp:	2294112
Ion Ratio	100	Lower	Upper
101	7.9	0.0	30.7
203	17.9	0.0	36.3

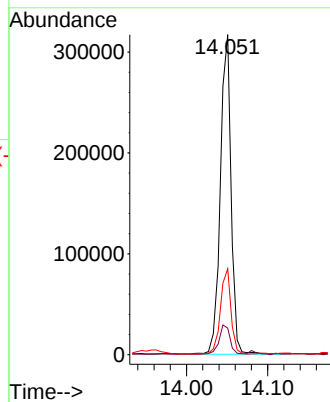
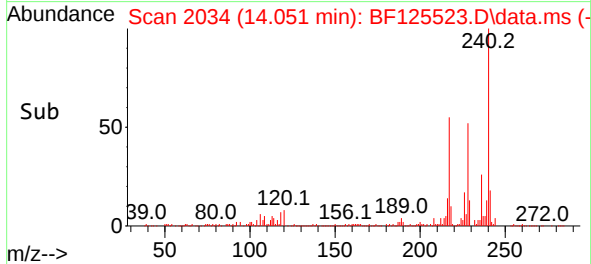




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24



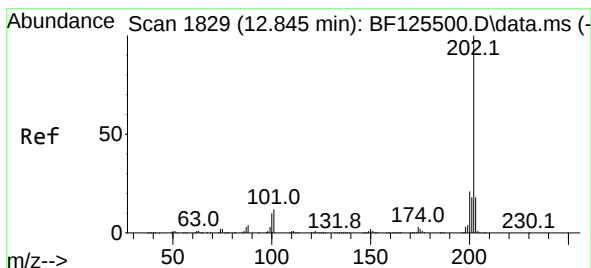
Tgt Ion:240 Resp: 291335
Ion Ratio Lower Upper
240 100
120 8.3 10.8 16.2#
236 26.8 21.6 32.4



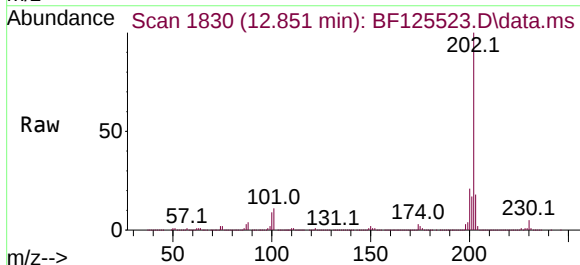
Instrument :
BNA_F
ClientSampled :
A010015

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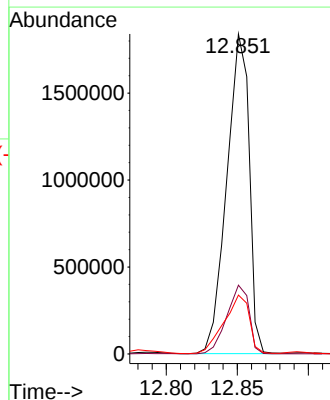
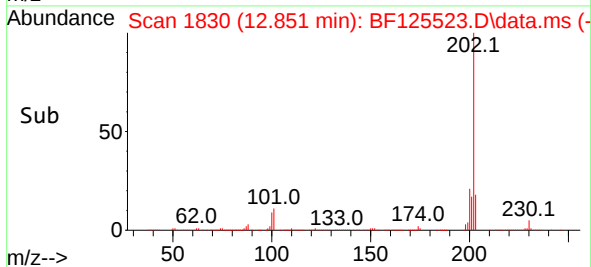
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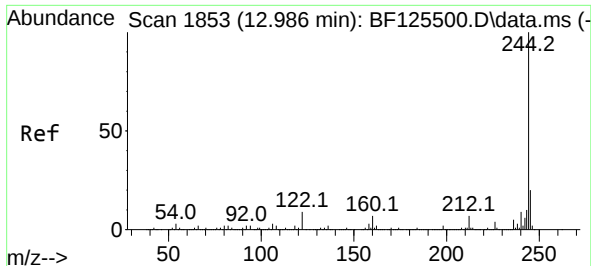


#78
Pyrene
Concen: 83.811 ng
RT: 12.851 min Scan# 1830
Delta R.T. 0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24



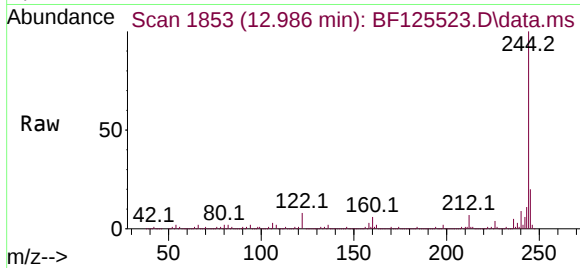
Tgt Ion:202 Resp: 2016837
Ion Ratio Lower Upper
202 100
200 21.5 15.3 22.9
203 18.4 13.4 20.0





#79
 Terphenyl-d14
 Concen: 70.366 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: BF125523.D
 Acq: 16 Sep 2021 1:24

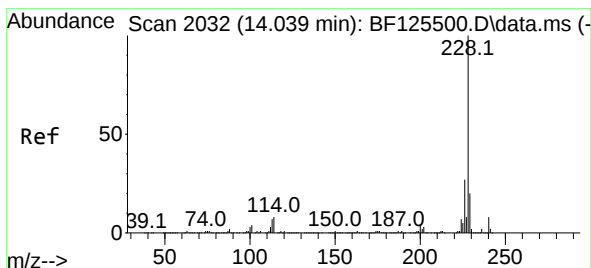
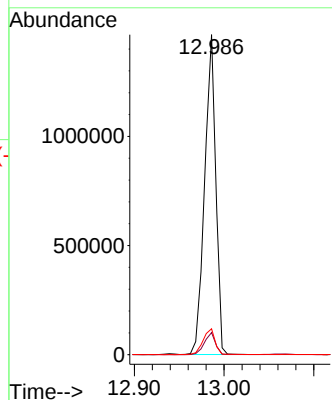
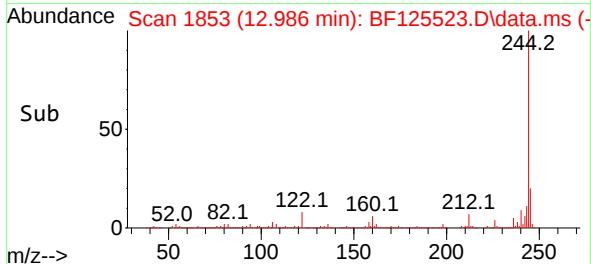
Instrument :
 BNA_F
 ClientSampled :
 A010015



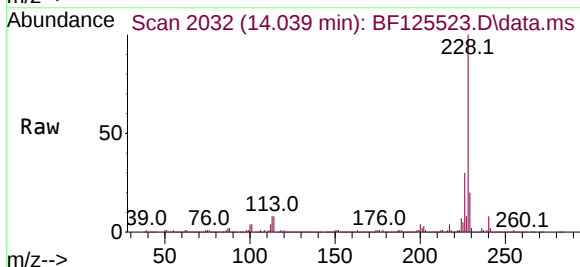
Tgt Ion:244 Resp: 1264245
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 8.1 9.0 13.4#

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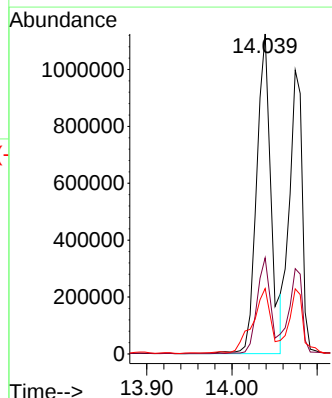
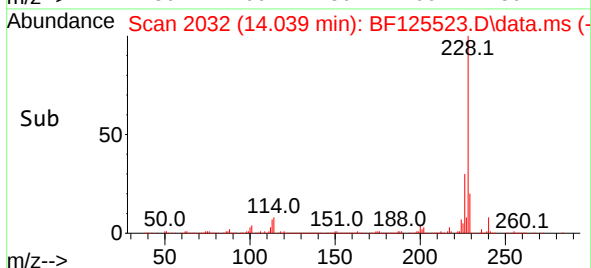
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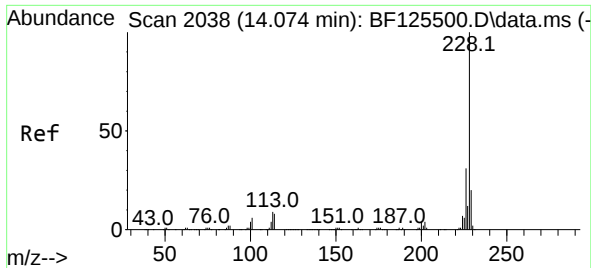


#81
 Benzo(a)anthracene
 Concen: 62.703 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.000 min
 Lab File: BF125523.D
 Acq: 16 Sep 2021 1:24



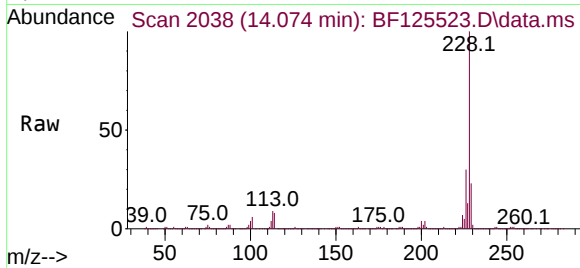
Tgt Ion:228 Resp: 1317479
 Ion Ratio Lower Upper
 228 100
 226 30.0 21.6 32.4
 229 20.5 15.6 23.4





#83
Chrysene
Concen: 50.974 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

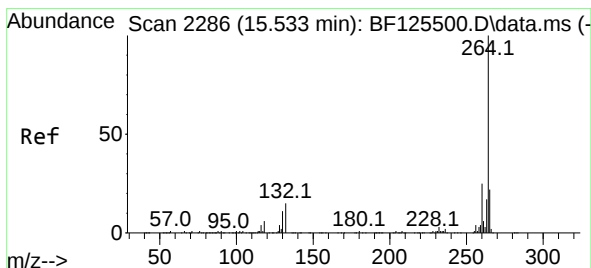
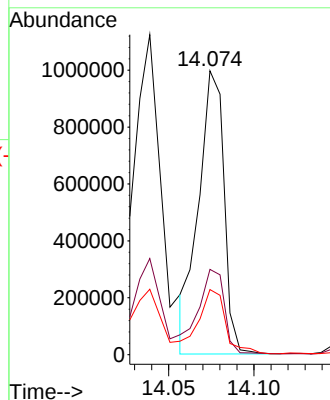
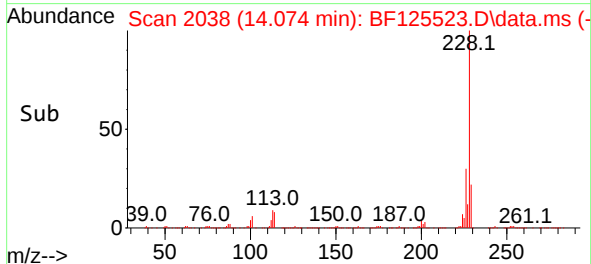
Instrument :
BNA_F
ClientSampled :
A010015



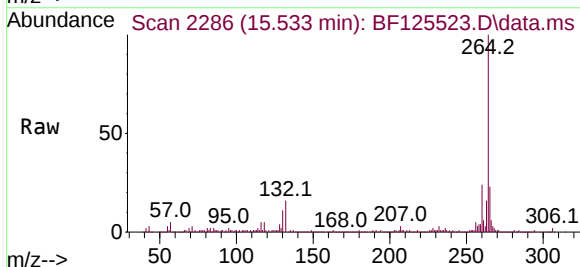
Tgt Ion:228 Resp: 1036609
Ion Ratio Lower Upper
228 100
226 30.1 22.6 34.0
229 22.9 15.9 23.9

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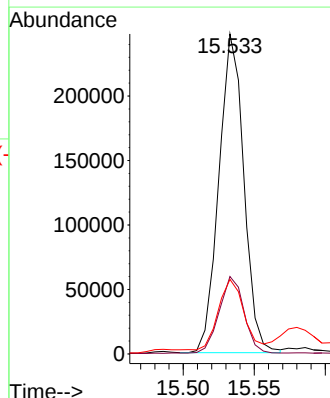
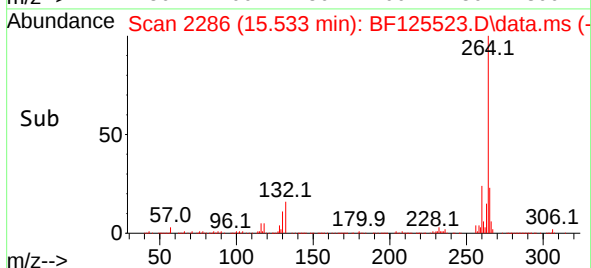
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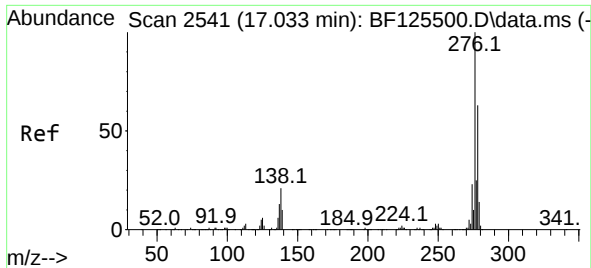


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24



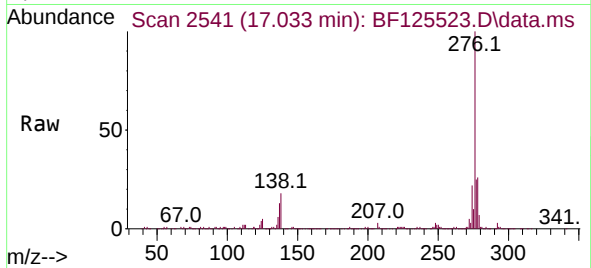
Tgt Ion:264 Resp: 301658
Ion Ratio Lower Upper
264 100
260 24.2 19.6 29.4
265 23.3 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 24.285 ng
RT: 17.033 min Scan# 2541
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

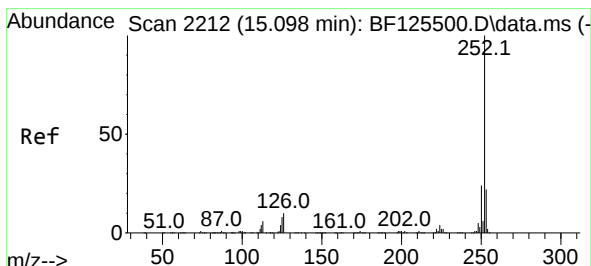
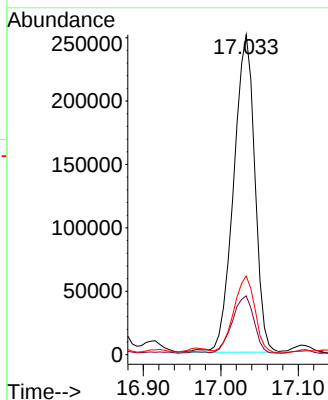
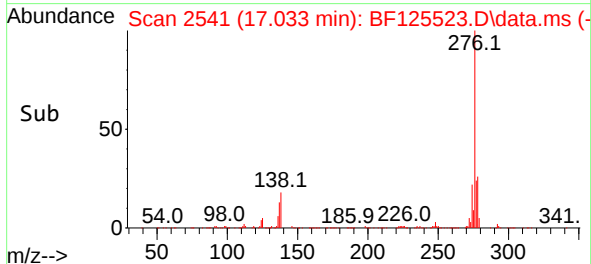
Instrument :
BNA_F
ClientSampled :
A010015



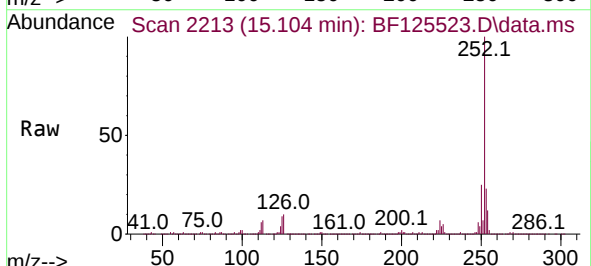
Tgt Ion:276 Resp: 475163
Ion Ratio Lower Upper
276 100
138 18.4 24.1 36.1#
277 24.4 18.8 28.2

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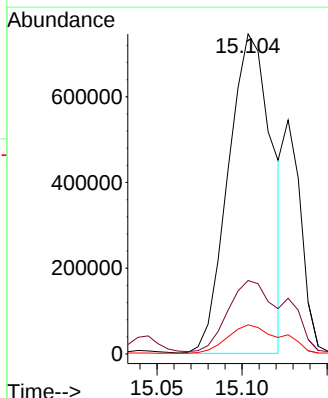
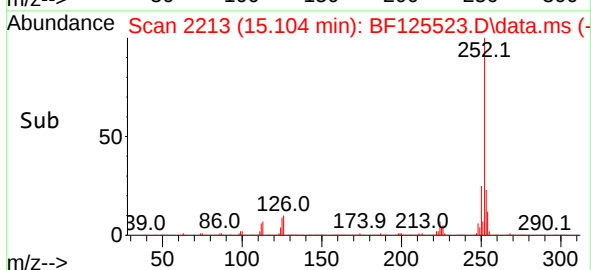
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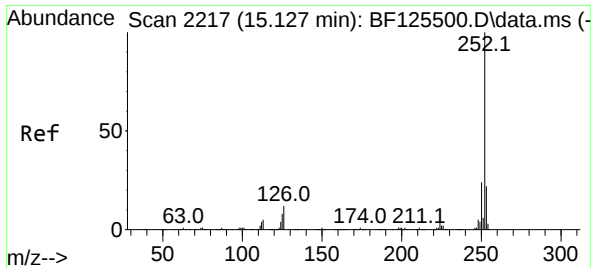


#88
Benzo(b)fluoranthene
Concen: 58.122 ng m
RT: 15.104 min Scan# 2213
Delta R.T. 0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

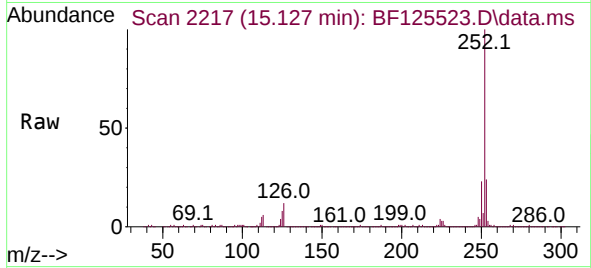


Tgt Ion:252 Resp: 1329766
Ion Ratio Lower Upper
252 100
253 22.9 16.8 25.2
125 9.1 9.8 14.8#

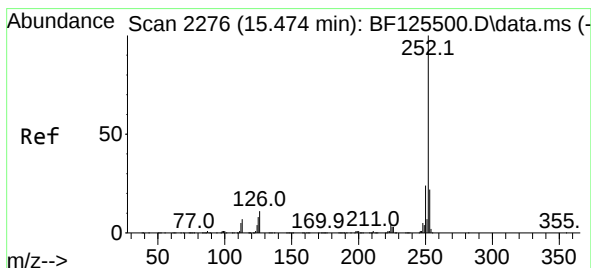
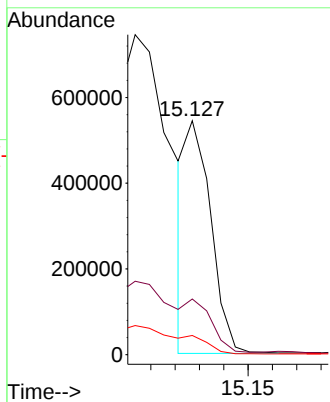
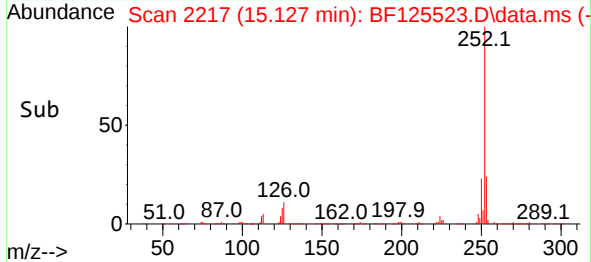




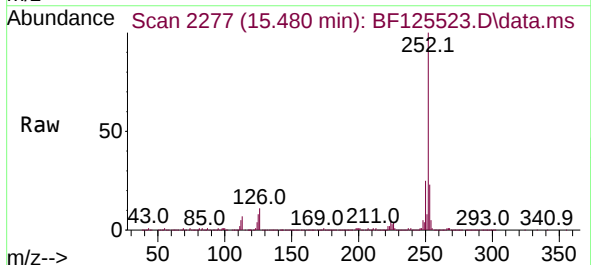
#89
Benzo(k)fluoranthene
Concen: 18.267 ng m
RT: 15.127 min Scan# 2217
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24



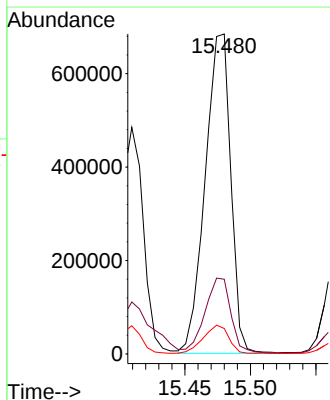
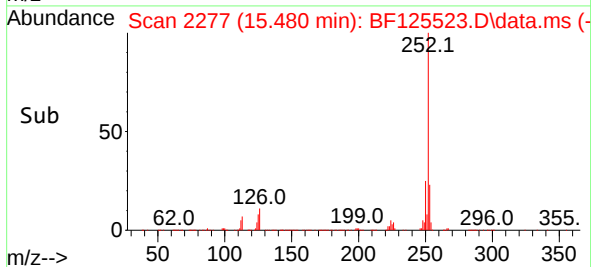
Tgt Ion:252 Resp: 384573
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 8.2 7.2 10.8



#90
Benzo(a)pyrene
Concen: 47.782 ng m
RT: 15.480 min Scan# 2277
Delta R.T. 0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24



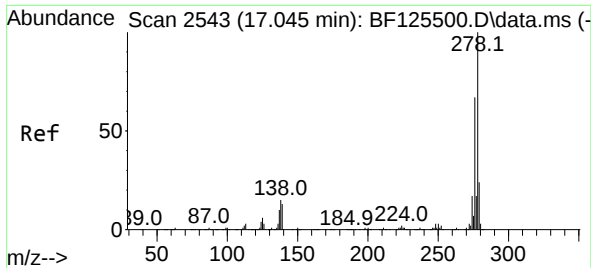
Tgt Ion:252 Resp: 927373
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 7.9 9.9 14.9#



Instrument :
BNA_F
ClientSampleId :
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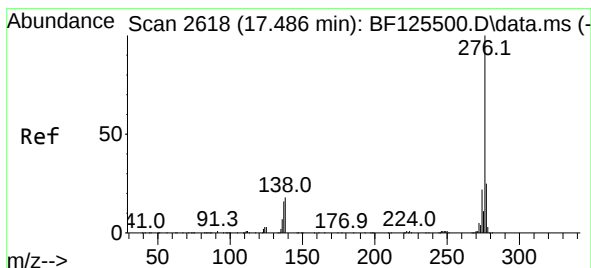
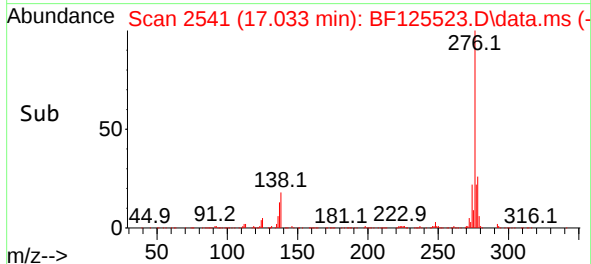
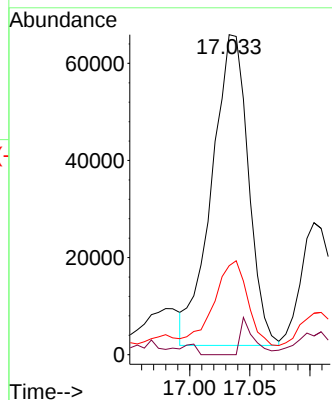
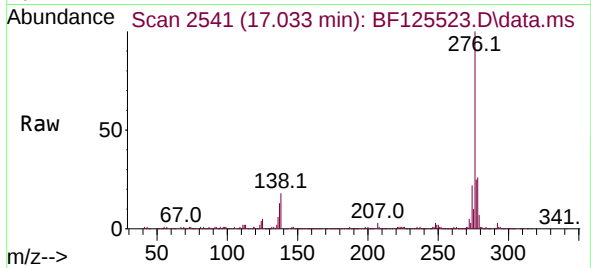
#91
Dibenzo(a,h)anthracene
Concen: 8.122 ng m
RT: 17.033 min Scan# 2541
Delta R.T. -0.012 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Tgt Ion: 278 Resp: 135510
Ion Ratio Lower Upper
278 100
139 0.0 14.9 22.3#
279 27.8 19.7 29.5

Instrument :
BNA_F
ClientSampled :
A010015

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#92
Benzo(g,h,i)perylene
Concen: 24.566 ng
RT: 17.486 min Scan# 2618
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Tgt Ion: 276 Resp: 403067
Ion Ratio Lower Upper
276 100
277 23.2 22.0 33.0
138 17.8 22.2 33.4#

