

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092421\
 Data File : BF125644.D
 Acq On : 25 Sep 2021 3:31
 Operator : JU/CG
 Sample : M3872-01DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-LPA-01DL

Manual Integrations
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Quant Time: Sep 25 04:34:33 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 24 15:38:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	245916	20.00	ng	0.00
21) Naphthalene-d8	8.169	136	968118	20.00	ng	# 0.00
39) Acenaphthene-d10	9.922	164	497847	20.00	ng	0.00
64) Phenanthrene-d10	11.410	188	747079	20.00	ng	0.00
76) Chrysene-d12	14.039	240	462792	20.00	ng	0.00
86) Perylene-d12	15.515	264	530392	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	279564	18.73	ng	-0.01
7) Phenol-d6	6.498	99	352602	17.57	ng	-0.01
23) Nitrobenzene-d5	7.439	82	196627	14.17	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	78415	16.89	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	436378	2.82	ng	-0.01
79) Terphenyl-d14	12.986	244	328234	12.28	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.192	128	2721759	54.75	ng	98
37) 2-Methylnaphthalene	8.886	142	1746325	51.80	ng	97
38) 1-Methylnaphthalene	8.986	142	1626925	51.06	ng	99
46) 1,1'-Biphenyl	9.345	154	144565	3.94	ng	99
49) Acenaphthylene	9.781	152	107144	2.34	ng	# 70
52) Acenaphthene	9.957	154	296106	10.32	ng	# 90
55) Dibenzofuran	10.128	168	106476	2.47	ng	# 83
58) Fluorene	10.469	166	467734	13.96	ng	100
71) Phenanthrene	11.433	178	1621696	38.71	ng	96
72) Anthracene	11.480	178	388117	9.38	ng	100
75) Fluoranthene	12.616	202	385735	8.62	ng	96
78) Pyrene	12.845	202	699399	16.72	ng	97
81) Benzo(a)anthracene	14.033	228	169255m	5.38	ng	
83) Chrysene	14.068	228	155441	4.93	ng	95
88) Benzo(b)fluoranthene	15.086	252	102005m	2.74	ng	
90) Benzo(a)pyrene	15.451	252	124626	3.77	ng	98

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

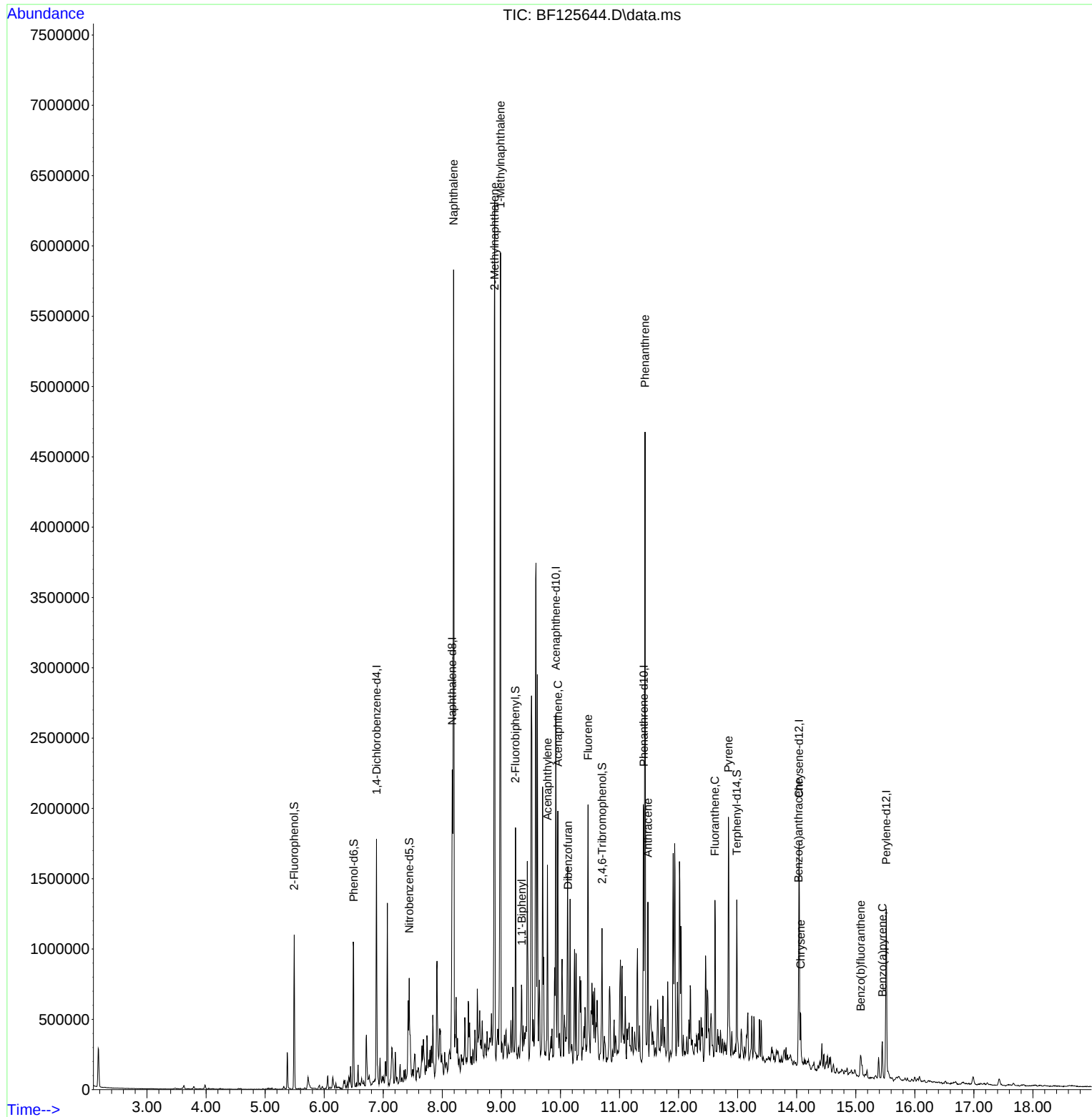
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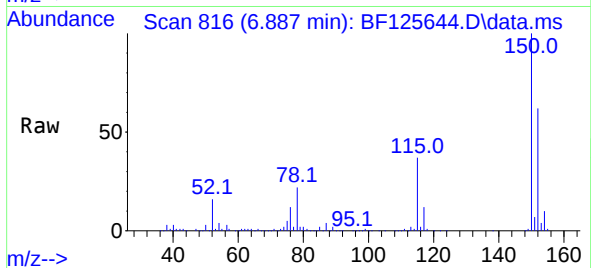
Quant Time: Sep 25 04:34:33 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 24 15:38:32 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31

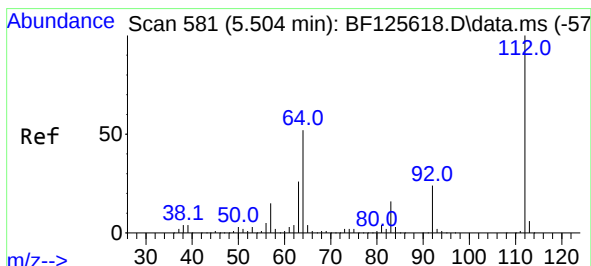
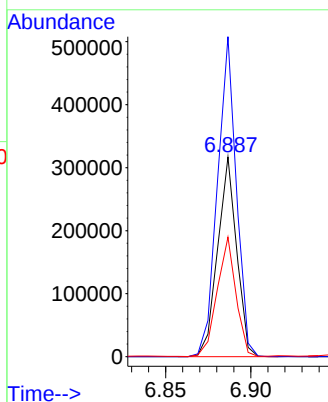
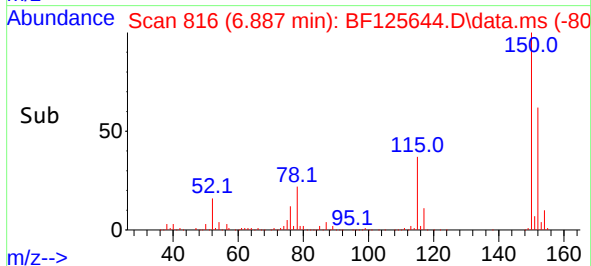
Instrument :
BNA_F
ClientSampled :
SP-LPA-01DL



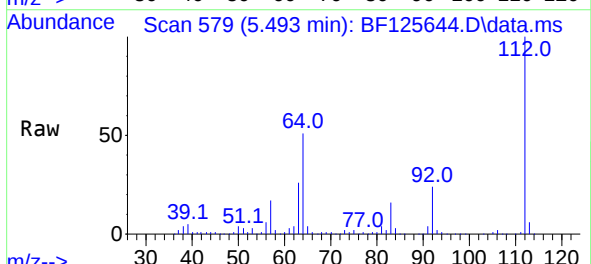
Tgt Ion:152 Resp: 245916
Ion Ratio Lower Upper
152 100
150 160.2 117.6 176.4
115 59.9 47.1 70.7

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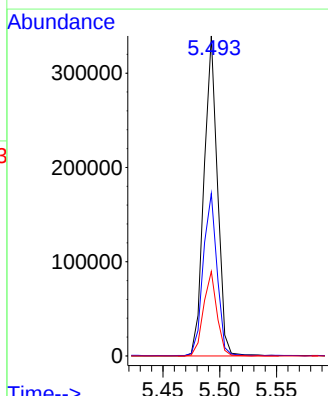
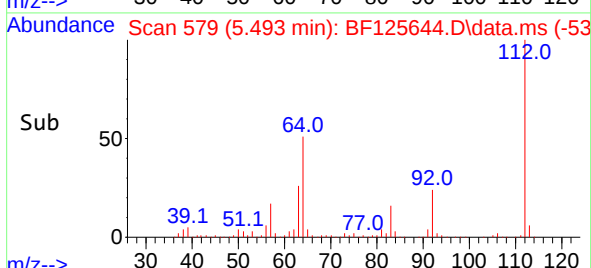
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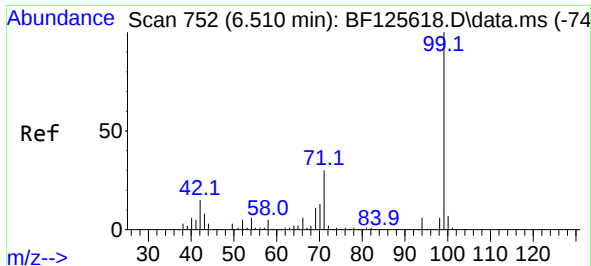


#5
2-Fluorophenol
Concen: 18.73 ng
RT: 5.493 min Scan# 579
Delta R.T. -0.011 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31



Tgt Ion:112 Resp: 279564
Ion Ratio Lower Upper
112 100
64 50.8 44.2 66.2
63 26.4 26.2 39.2





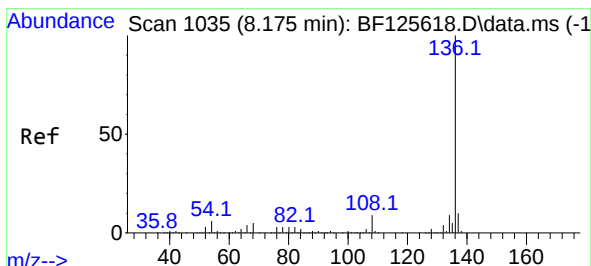
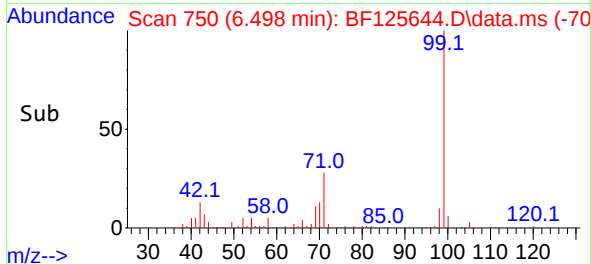
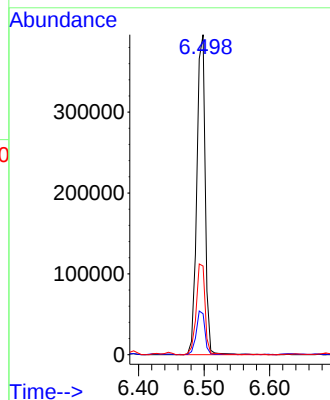
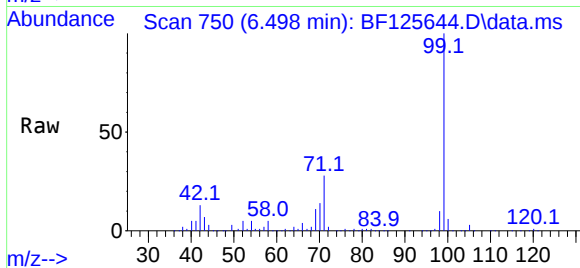
#7
Phenol-d6
Concen: 17.57 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31

Tgt Ion: 99 Resp: 352602
Ion Ratio Lower Upper
99 100
42 12.8 23.5 35.3#
71 27.7 25.6 38.4

Instrument :
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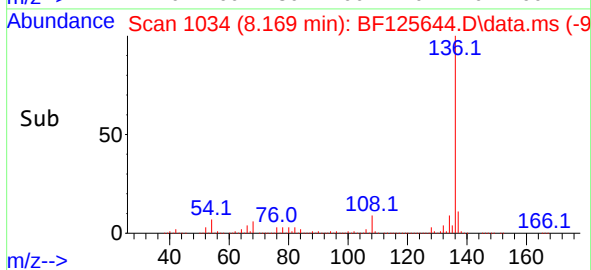
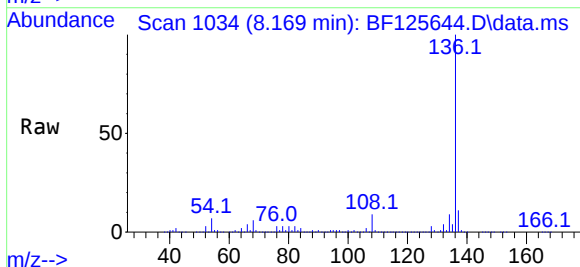
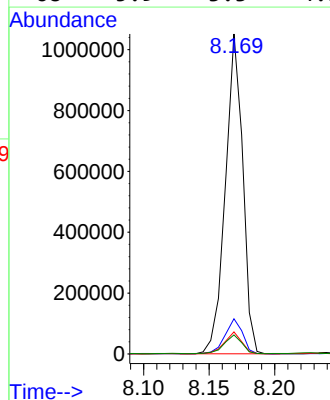
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31

Tgt Ion: 136 Resp: 968118
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 6.9 6.4 9.6
68 5.9 3.3 4.9#





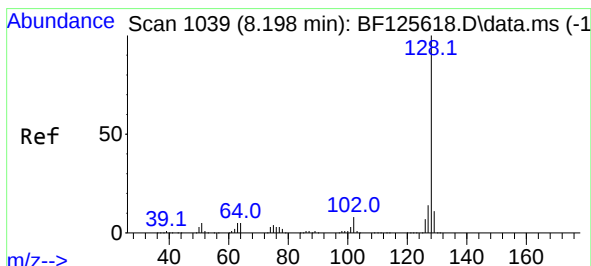
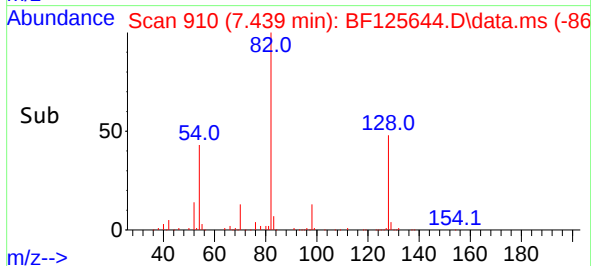
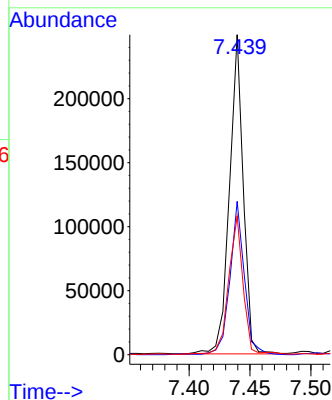
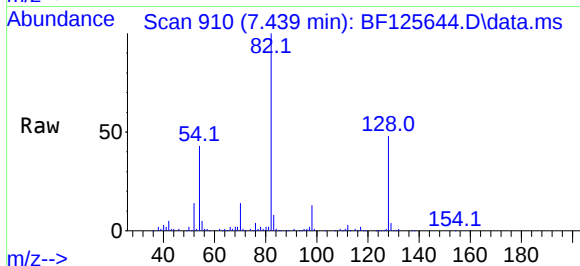
#23
Nitrobenzene-d5
Concen: 14.17 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.012 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31

Tgt Ion: 82 Resp: 196627
Ion Ratio Lower Upper
82 100
128 47.9 40.6 60.8
54 43.3 49.6 74.4#

Instrument :
BNA_F
ClientSampleId :
SP-LPA-01DL

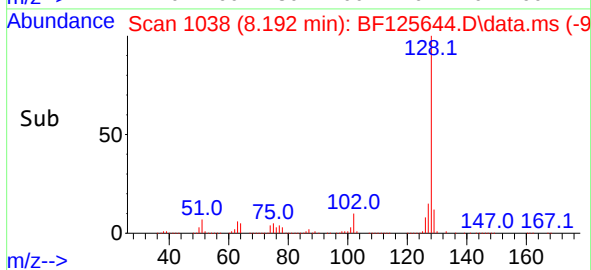
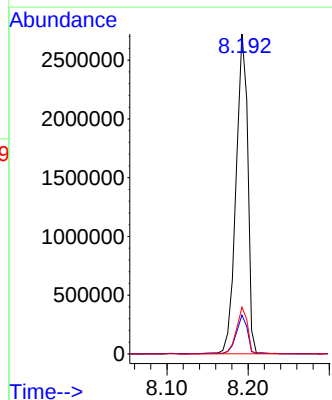
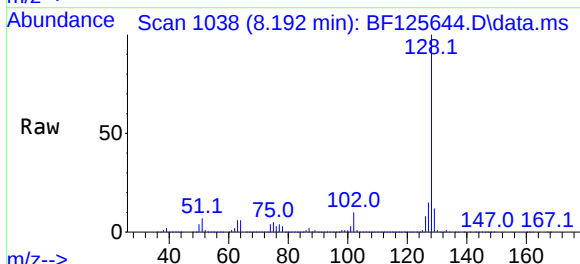
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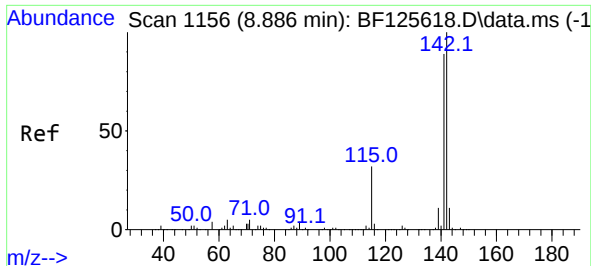
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#31
Naphthalene
Concen: 54.75 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31

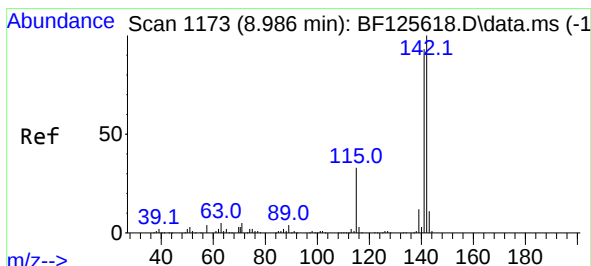
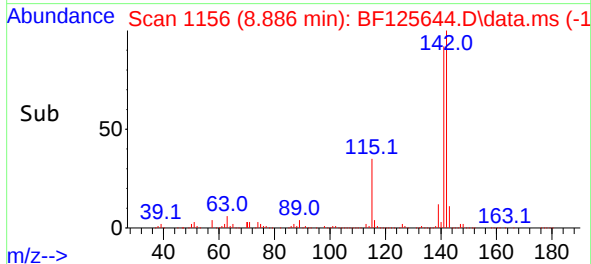
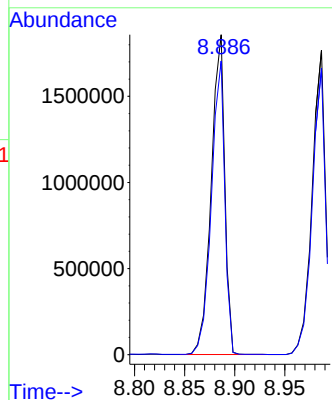
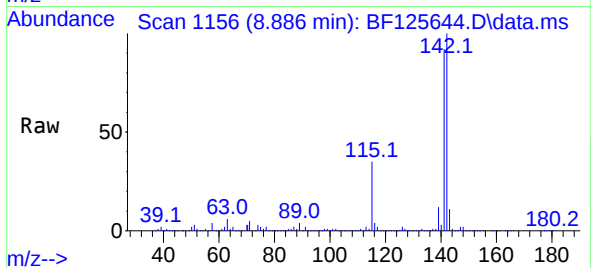
Tgt Ion: 128 Resp: 2721759
Ion Ratio Lower Upper
128 100
129 12.2 9.4 14.0
127 14.6 10.9 16.3





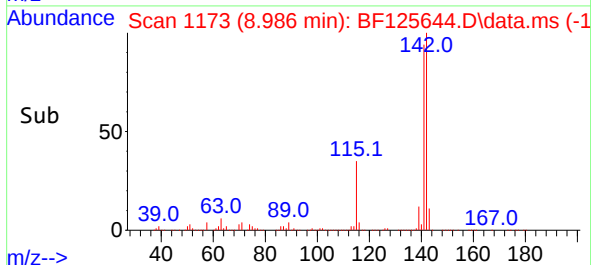
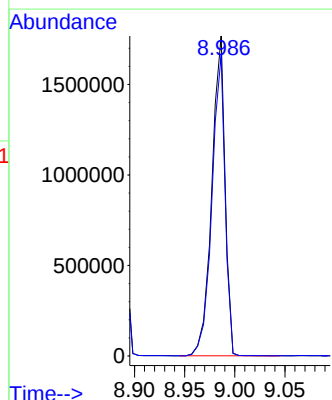
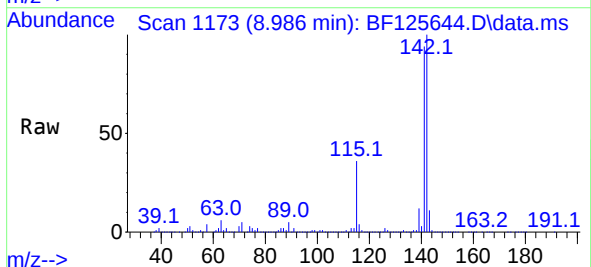
#37
2-Methylnaphthalene
Concen: 51.80 ng
RT: 8.886 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31

Tgt Ion:142 Resp: 1746325
Ion Ratio Lower Upper
142 100
141 91.8 71.2 106.8



#38
1-Methylnaphthalene
Concen: 51.06 ng
RT: 8.986 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31

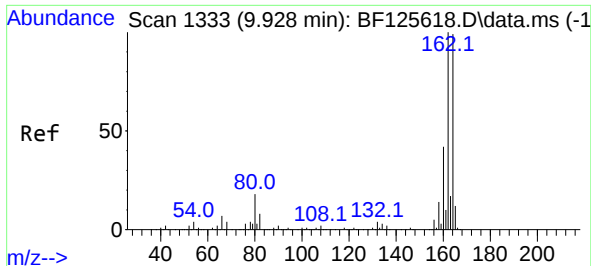
Tgt Ion:142 Resp: 1626925
Ion Ratio Lower Upper
142 100
141 94.0 76.0 114.0



Instrument :
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ClientSampleId :
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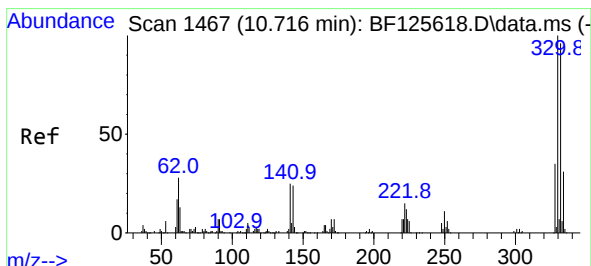
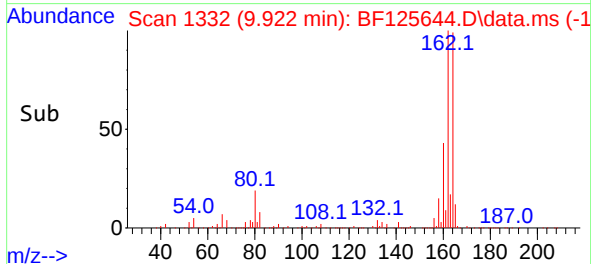
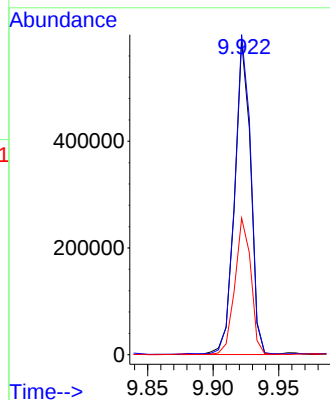
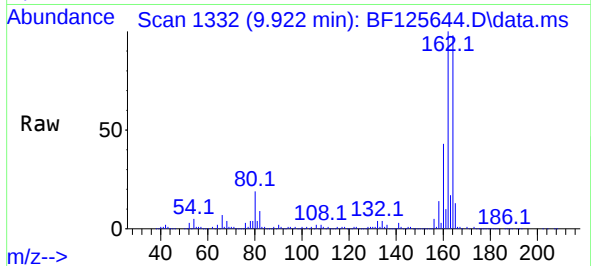
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31

Tgt Ion:164 Resp: 497847
Ion Ratio Lower Upper
164 100
162 102.0 81.3 121.9
160 43.6 38.0 57.0

Instrument :
BNA_F
ClientSampleId :
SP-LPA-01DL

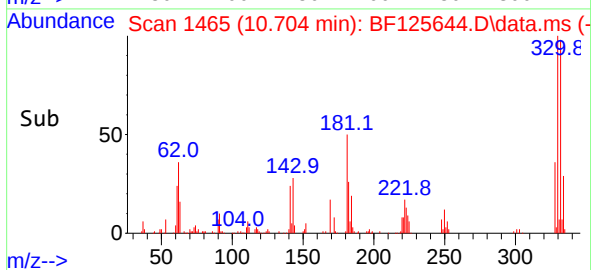
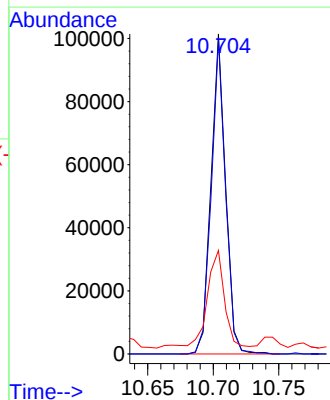
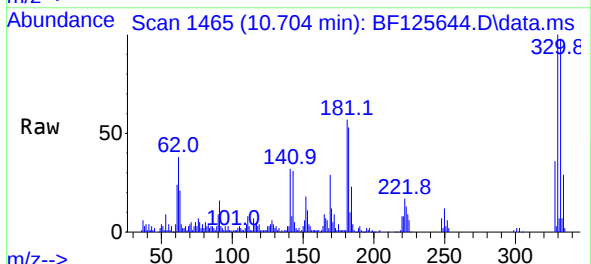
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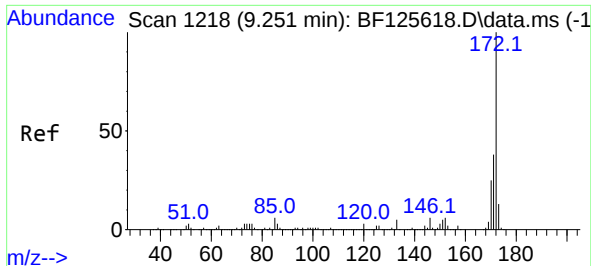
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#42
2,4,6-Tribromophenol
Concen: 16.89 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31

Tgt Ion:330 Resp: 78415
Ion Ratio Lower Upper
330 100
332 96.3 76.2 114.4
141 37.1 44.6 66.8#





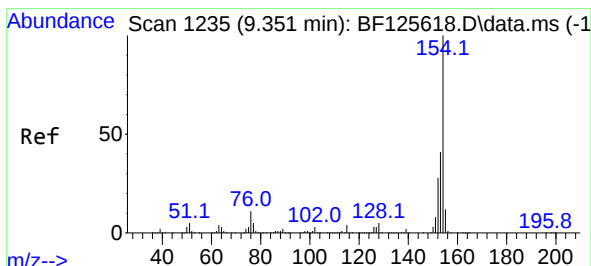
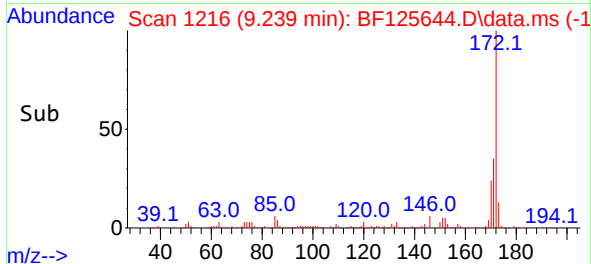
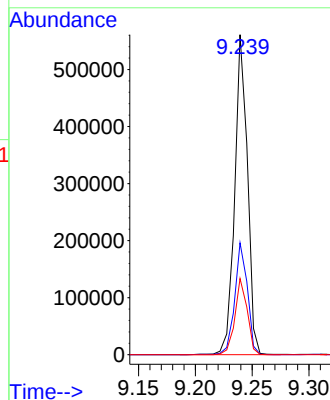
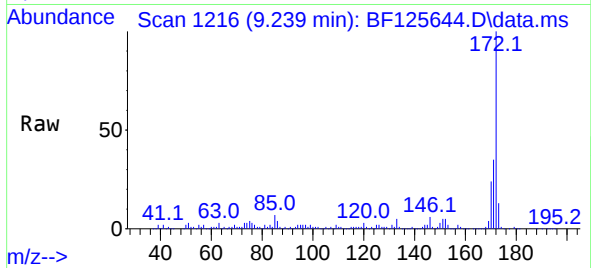
#45
2-Fluorobiphenyl
Concen: 2.82 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31

Tgt Ion:172 Resp: 436378
Ion Ratio Lower Upper
172 100
171 35.0 26.5 39.7
170 23.8 18.8 28.2

Instrument :
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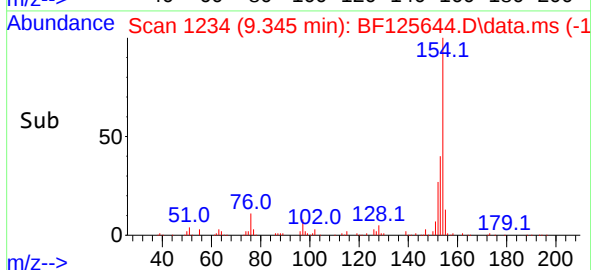
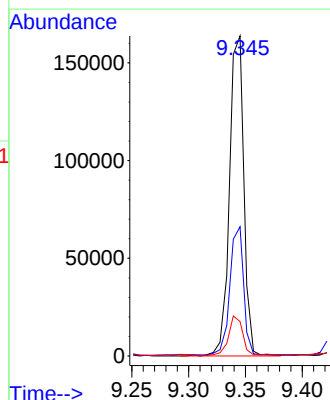
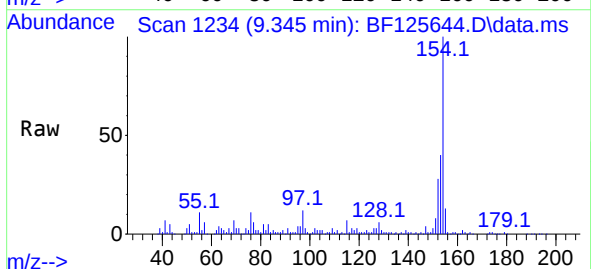
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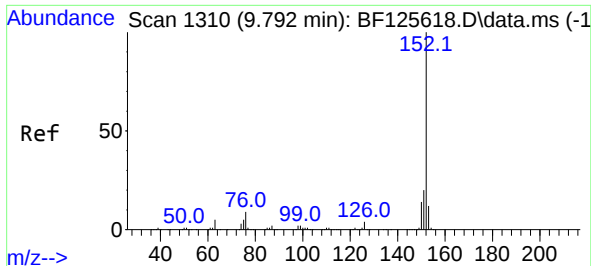
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#46
1,1'-Biphenyl
Concen: 3.94 ng
RT: 9.345 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31

Tgt Ion:154 Resp: 144565
Ion Ratio Lower Upper
154 100
153 40.4 20.0 60.0
76 10.8 0.0 30.3





#49

Acenaphthylene

Concen: 2.34 ng

RT: 9.781 min Scan# 1308

Delta R.T. -0.011 min

Lab File: BF125644.D

Acq: 25 Sep 2021 3:31

Tgt Ion:	152	Resp:	107144
Ion Ratio	Lower	Upper	
152	100		
151	22.8	15.7	23.5
153	38.8	9.8	14.8#

Instrument :

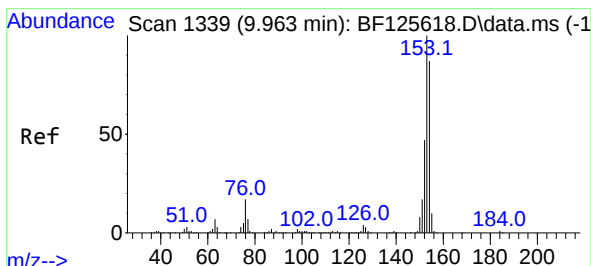
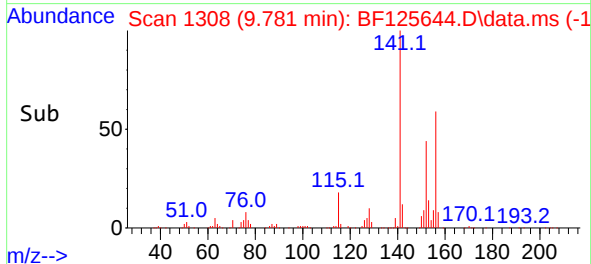
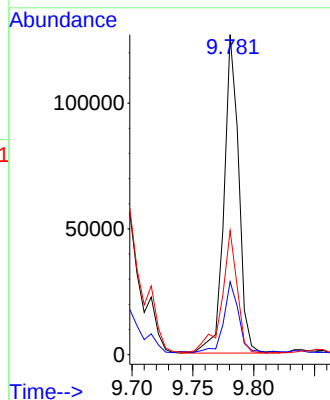
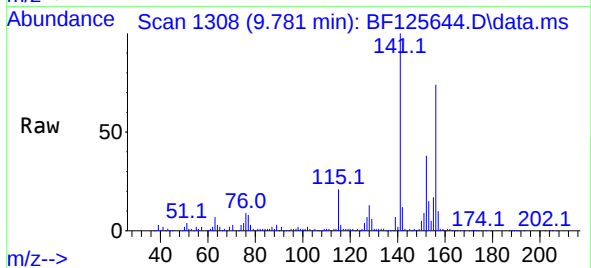
BNA_F

ClientSampleId :

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#52

Acenaphthene

Concen: 10.32 ng

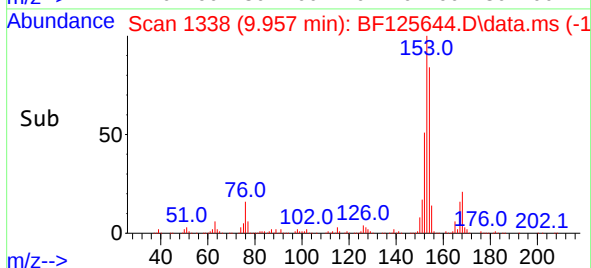
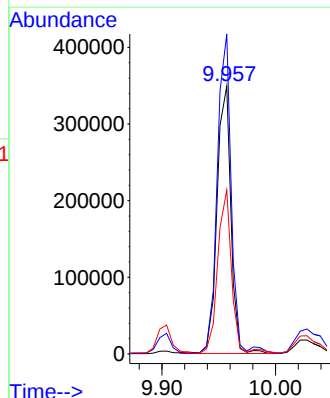
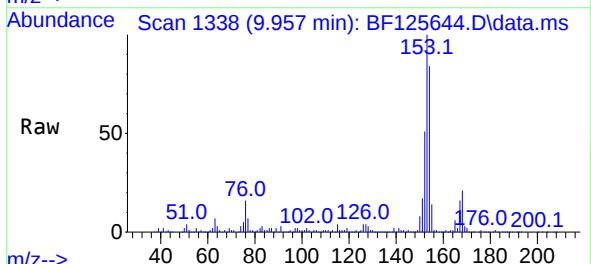
RT: 9.957 min Scan# 1338

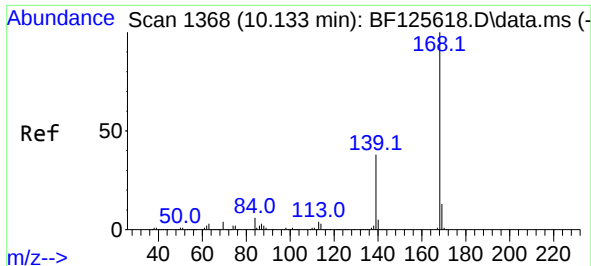
Delta R.T. -0.006 min

Lab File: BF125644.D

Acq: 25 Sep 2021 3:31

Tgt Ion:	154	Resp:	296106
Ion Ratio	Lower	Upper	
154	100		
153	119.5	89.4	134.2
152	61.2	40.5	60.7#





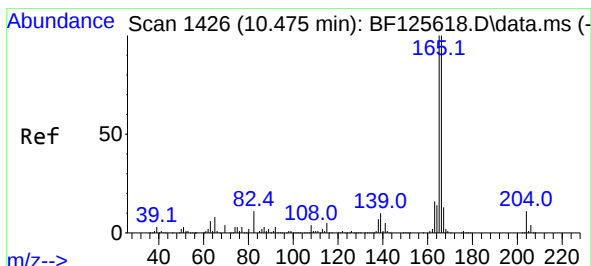
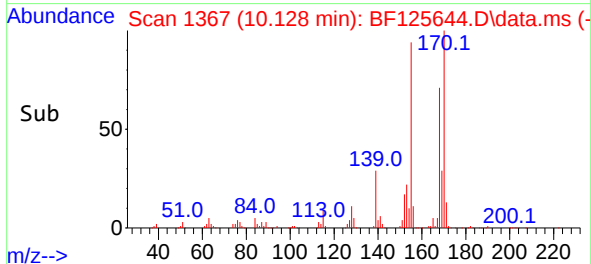
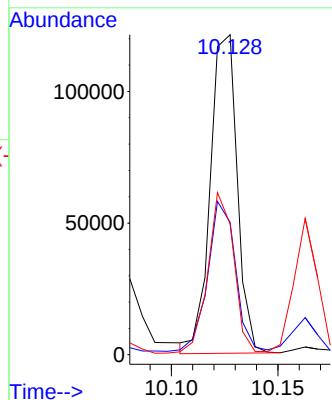
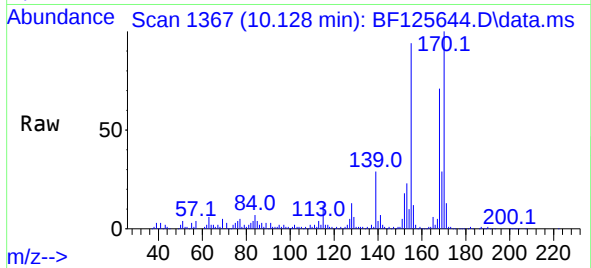
#55
Dibenzenofuran
Concen: 2.47 ng
RT: 10.128 min Scan# 1367
Delta R.T. -0.005 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31

Tgt Ion:168 Resp: 106476
Ion Ratio Lower Upper
168 100
139 41.4 32.7 49.1
169 40.8 11.2 16.8#

Instrument :
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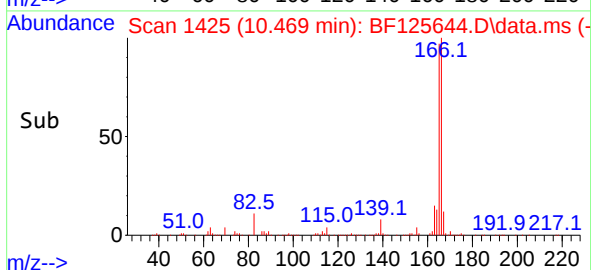
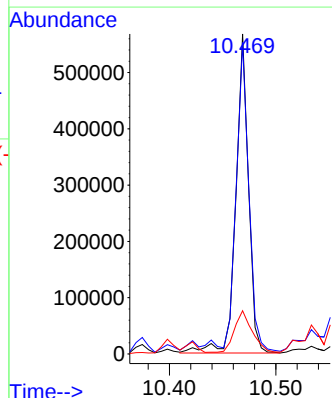
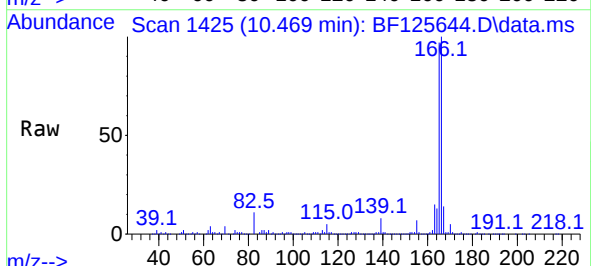
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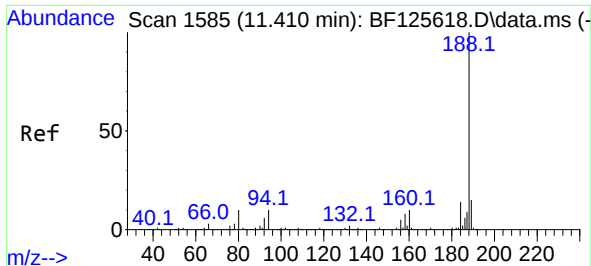
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#58
Fluorene
Concen: 13.96 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31

Tgt Ion:166 Resp: 467734
Ion Ratio Lower Upper
166 100
165 97.3 78.1 117.1
167 13.5 11.1 16.7





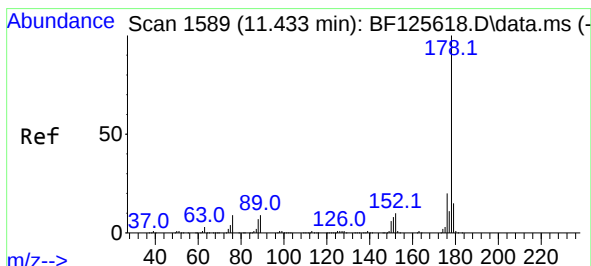
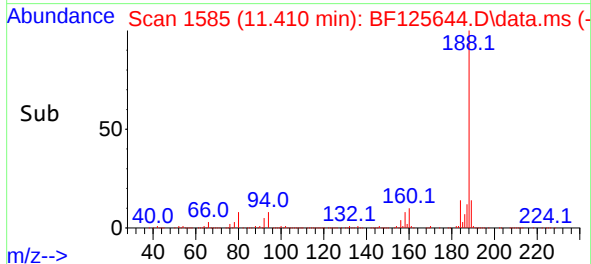
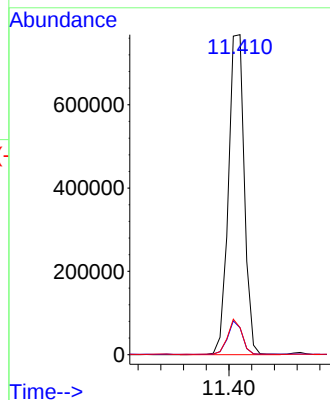
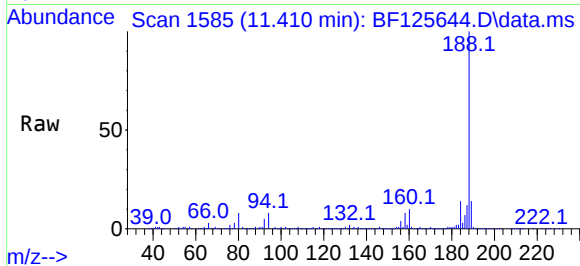
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31

Tgt Ion:188 Resp: 747079
Ion Ratio Lower Upper
188 100
94 8.4 6.7 10.1
80 8.4 7.5 11.3

Instrument :
BNA_F
ClientSampleId :
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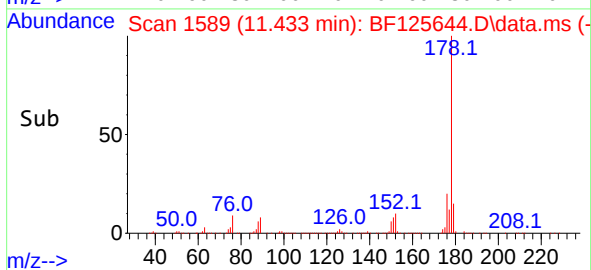
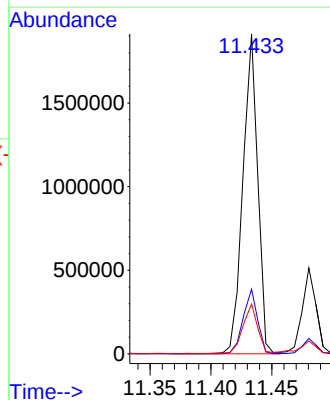
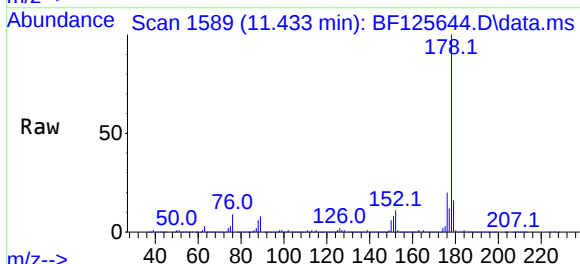
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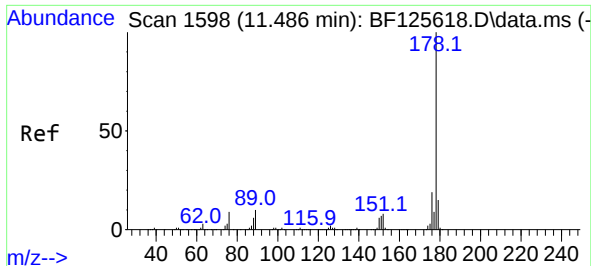
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#71
Phenanthrene
Concen: 38.71 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31

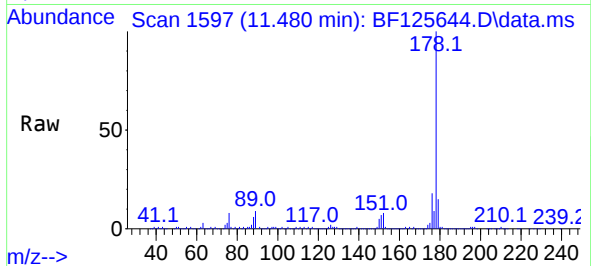
Tgt Ion:178 Resp: 1621696
Ion Ratio Lower Upper
178 100
176 20.3 14.7 22.1
179 15.6 11.5 17.3





#72
 Anthracene
 Concen: 9.38 ng
 RT: 11.480 min Scan# 1597
 Delta R.T. -0.006 min
 Lab File: BF125644.D
 Acq: 25 Sep 2021 3:31

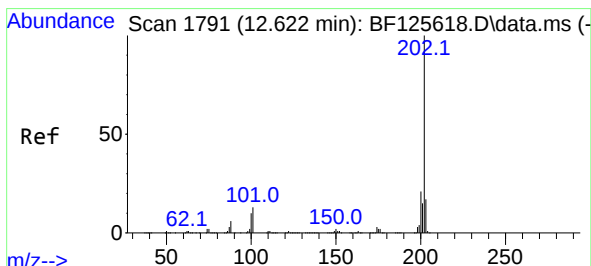
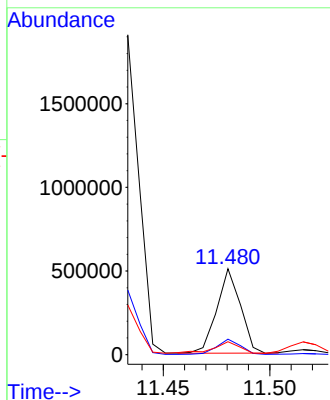
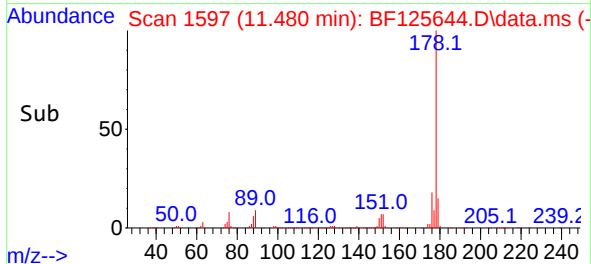
Instrument :
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 ClientSampleId :
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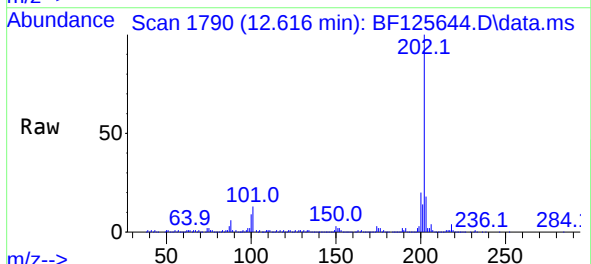
Tgt Ion:178 Resp: 388117
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.3 21.5
 179 15.2 12.2 18.4

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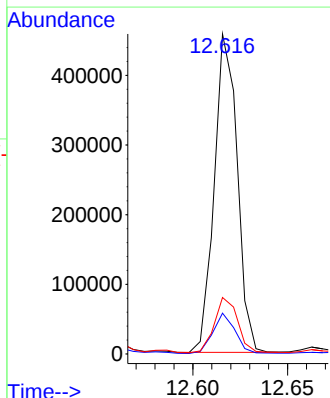
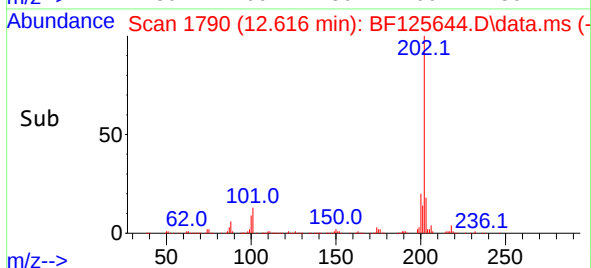
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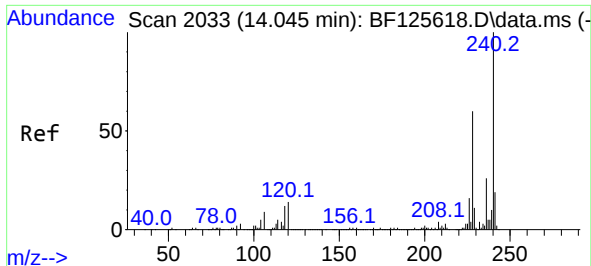


#75
 Fluoranthene
 Concen: 8.62 ng
 RT: 12.616 min Scan# 1790
 Delta R.T. -0.006 min
 Lab File: BF125644.D
 Acq: 25 Sep 2021 3:31



Tgt Ion:202 Resp: 385735
 Ion Ratio Lower Upper
 202 100
 101 12.8 0.0 30.7
 203 17.6 0.0 36.3





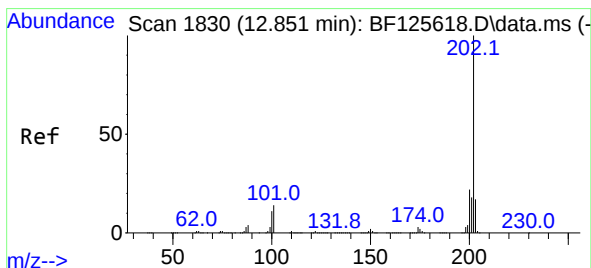
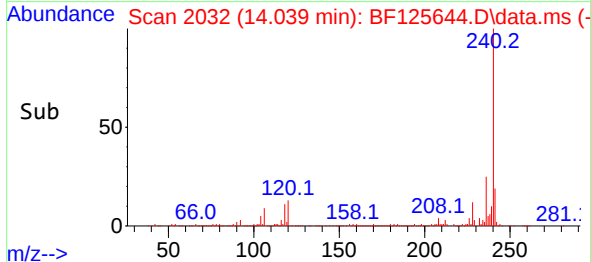
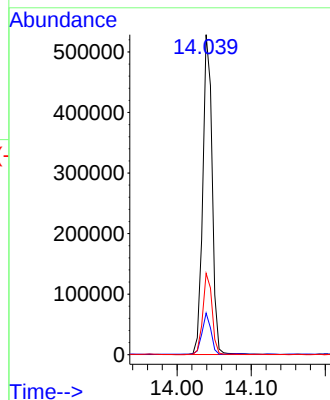
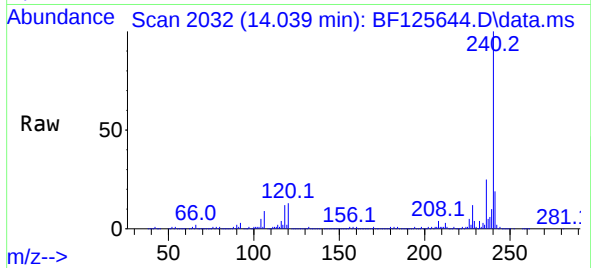
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31

Tgt Ion:240 Resp: 462792
Ion Ratio Lower Upper
240 100
120 13.0 10.8 16.2
236 25.4 21.6 32.4

Instrument :
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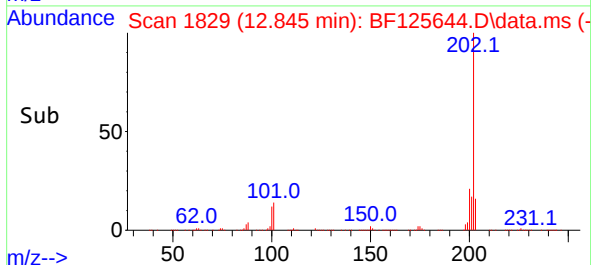
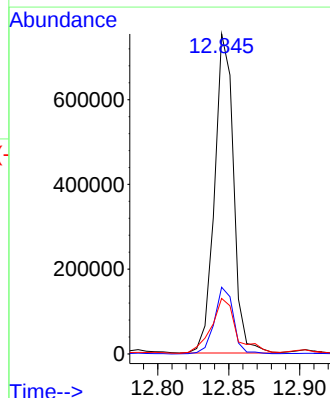
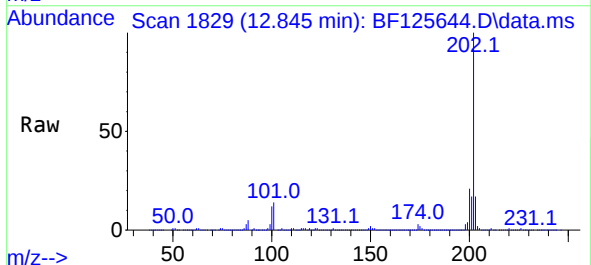
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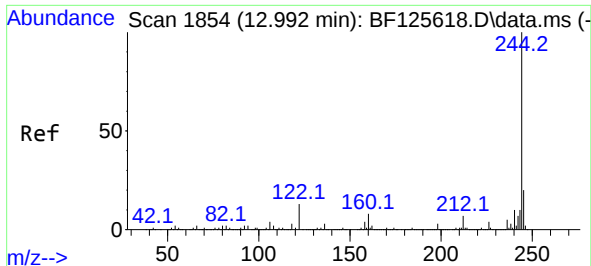
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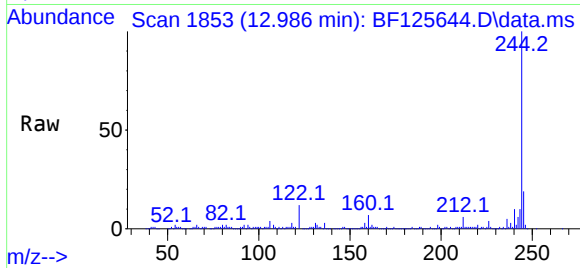
#78
Pyrene
Concen: 16.72 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31

Tgt Ion:202 Resp: 699399
Ion Ratio Lower Upper
202 100
200 20.8 15.3 22.9
203 17.4 13.4 20.0

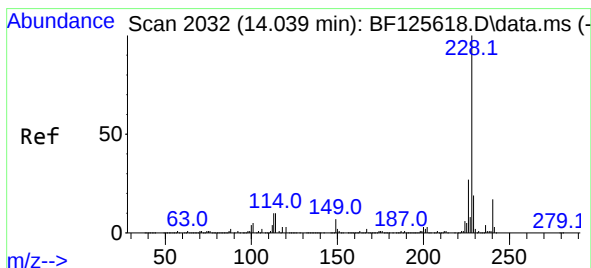
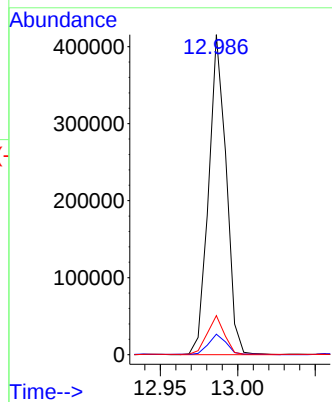
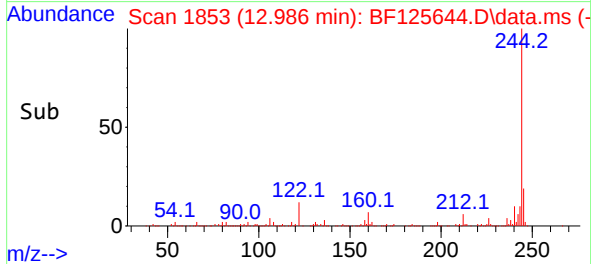




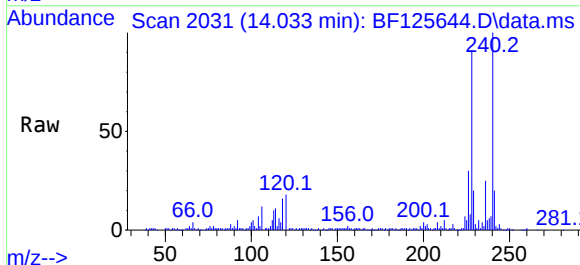
#79
Terphenyl-d14
Concen: 12.28 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31



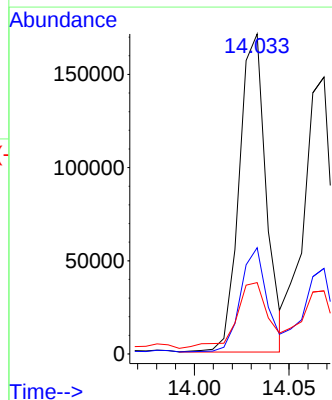
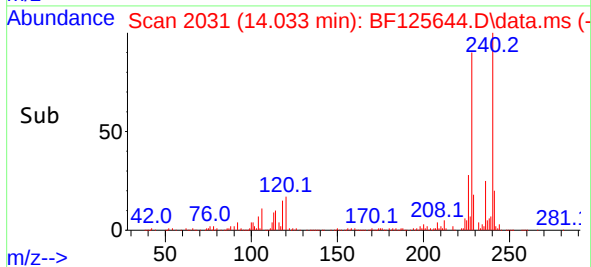
Tgt Ion:244 Resp: 328234
Ion Ratio Lower Upper
244 100
212 6.4 5.9 8.9
122 12.2 9.0 13.4



#81
Benzo(a)anthracene
Concen: 5.38 ng m
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31



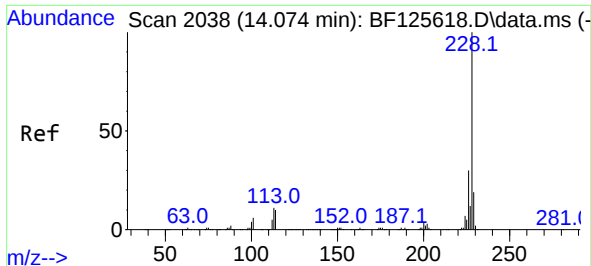
Tgt Ion:228 Resp: 169255
Ion Ratio Lower Upper
228 100
226 33.2 21.6 32.4#
229 22.3 15.6 23.4



Instrument :
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ClientSampleId :
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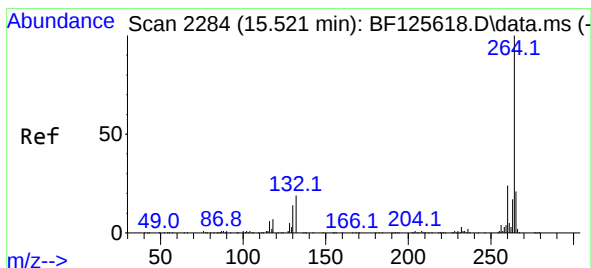
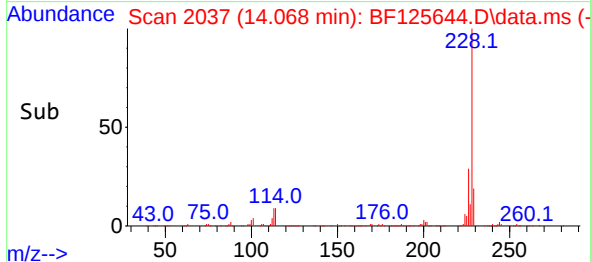
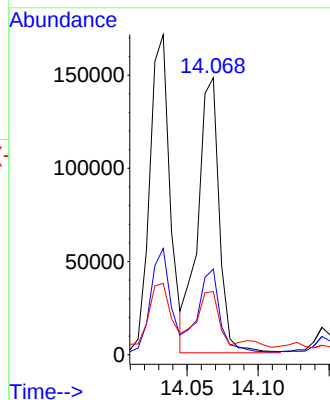
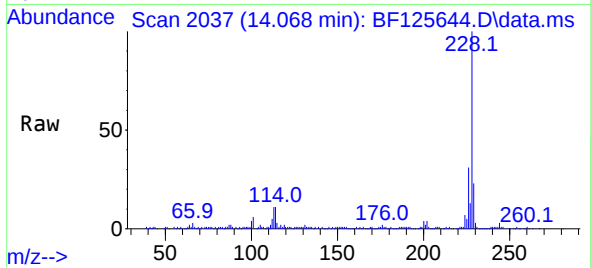
#83
Chrysene
Concen: 4.93 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31

Tgt Ion: 228 Resp: 155441
Ion Ratio Lower Upper
228 100
226 30.9 22.6 34.0
229 22.7 15.9 23.9

Instrument :
BNA_F
ClientSampleId :
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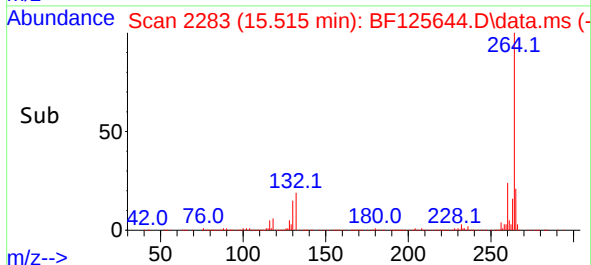
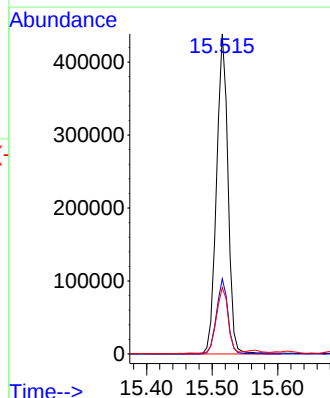
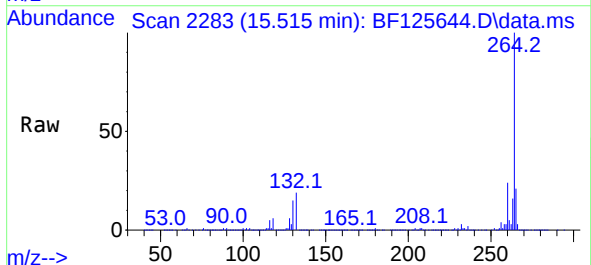
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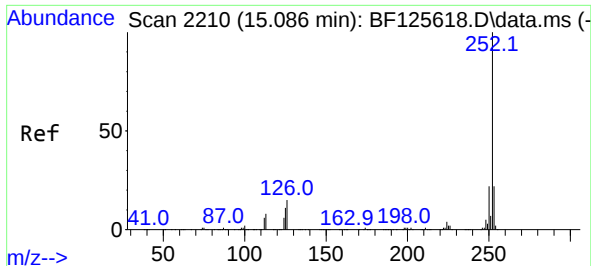
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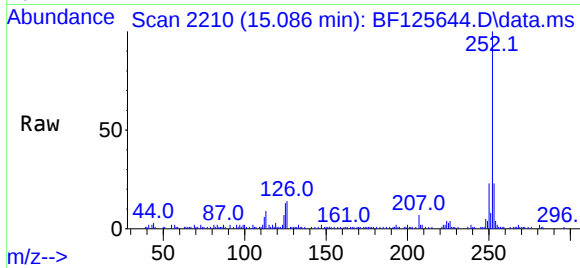
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.515 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31

Tgt Ion: 264 Resp: 530392
Ion Ratio Lower Upper
264 100
260 23.5 19.6 29.4
265 20.8 17.2 25.8

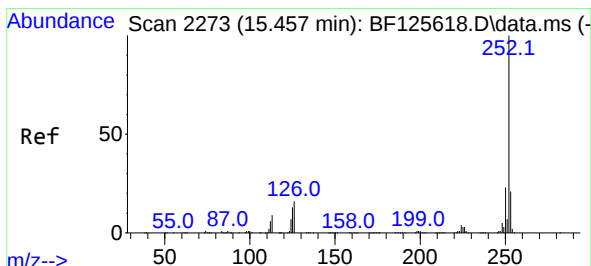
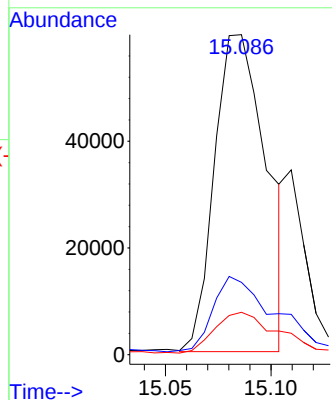
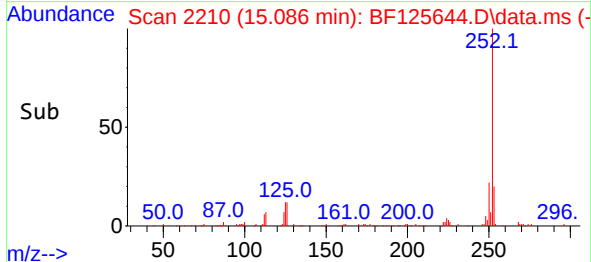




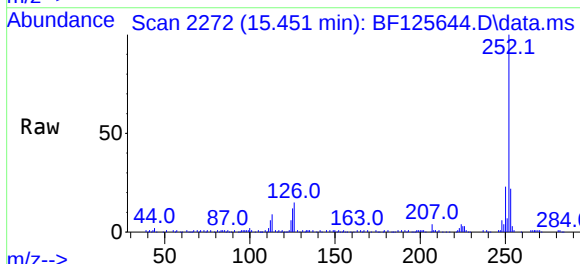
#88
Benzo(b)fluoranthene
Concen: 2.74 ng m
RT: 15.086 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31



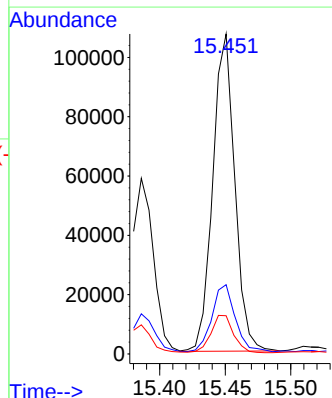
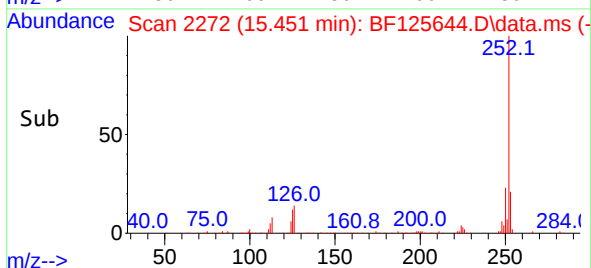
Tgt Ion:252 Resp: 102005
Ion Ratio Lower Upper
252 100
253 22.6 16.8 25.2
125 13.3 9.8 14.8



#90
Benzo(a)pyrene
Concen: 3.77 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF125644.D
Acq: 25 Sep 2021 3:31



Tgt Ion:252 Resp: 124626
Ion Ratio Lower Upper
252 100
253 21.7 18.4 27.6
125 12.0 9.9 14.9



Instrument :
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ClientSampleId :
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