

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101521\
 Data File : BF125869.D
 Acq On : 15 Oct 2021 18:38
 Operator : JU/CG
 Sample : M4195-03DL 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAR-SOILPILE DL

Manual Integrations
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Quant Time: Oct 18 08:57:13 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 15 15:00:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	190932	20.00	ng	0.00
21) Naphthalene-d8	8.116	136	723381	20.00	ng	# 0.00
39) Acenaphthene-d10	9.869	164	353834	20.00	ng	0.00
64) Phenanthrene-d10	11.351	188	492247	20.00	ng	0.00
76) Chrysene-d12	13.986	240	437360	20.00	ng	0.00
86) Perylene-d12	15.439	264	420669	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	499825	42.77	ng	0.00
7) Phenol-d6	6.457	99	600504	39.91	ng	0.00
23) Nitrobenzene-d5	7.392	82	350533	30.12	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	103562	29.64	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	674925	32.90	ng	0.00
79) Terphenyl-d14	12.933	244	581740	20.26	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.139	128	734887	21.01	ng	99
37) 2-Methylnaphthalene	8.828	142	590164	26.05	ng	100
38) 1-Methylnaphthalene	8.928	142	718612	32.69	ng	96
46) 1,1'-Biphenyl	9.286	154	75768	2.91	ng	97
49) Acenaphthylene	9.727	152	286134	9.25	ng	# 92
52) Acenaphthene	9.898	154	211391	10.94	ng	98
55) Dibenzofuran	10.069	168	68851	2.38	ng	# 57
58) Fluorene	10.410	166	310809	14.66	ng	99
71) Phenanthrene	11.374	178	1198087	45.49	ng	97
72) Anthracene	11.427	178	360540	13.71	ng	100
75) Fluoranthene	12.568	202	714975	30.09	ng	96
78) Pyrene	12.792	202	1327550	29.88	ng	96
81) Benzo(a)anthracene	13.974	228	447563	15.77	ng	94
83) Chrysene	14.010	228	417576	14.89	ng	96
87) Indeno(1,2,3-cd)pyrene	16.880	276	103256	3.22	ng	95
88) Benzo(b)fluoranthene	15.015	252	313562m	13.20	ng	
89) Benzo(k)fluoranthene	15.033	252	101476m	4.16	ng	
90) Benzo(a)pyrene	15.374	252	319951	15.21	ng	98
92) Benzo(g,h,i)perylene	17.309	276	111167	4.11	ng	97

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

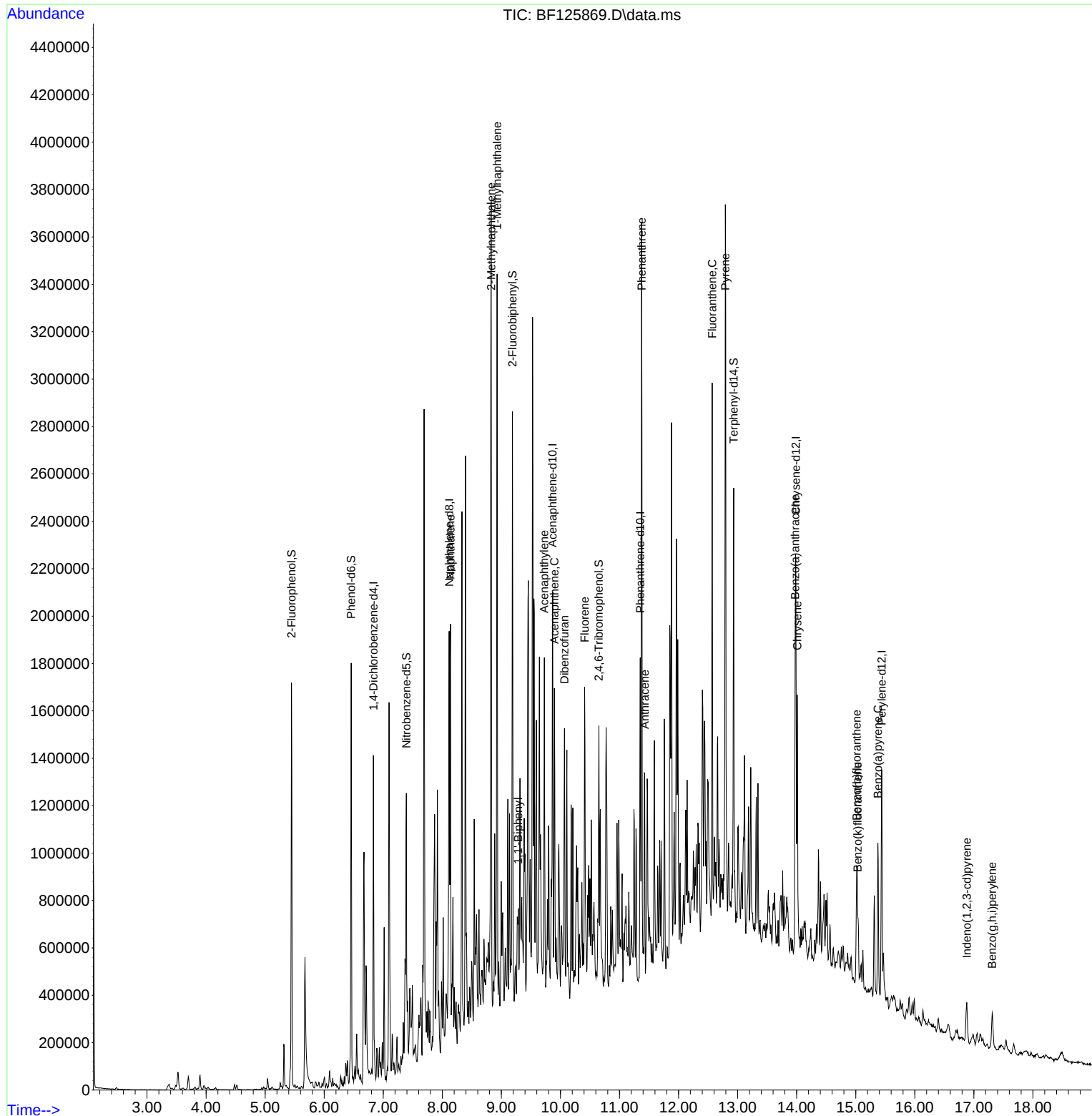
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101521\
Data File : BF125869.D
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Operator : JU/CG
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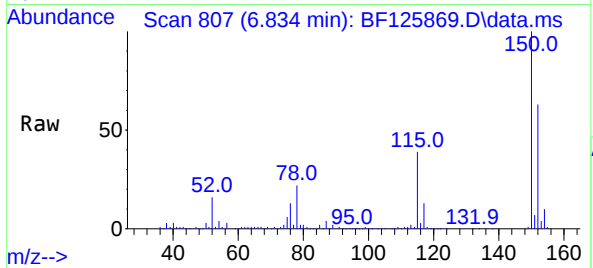
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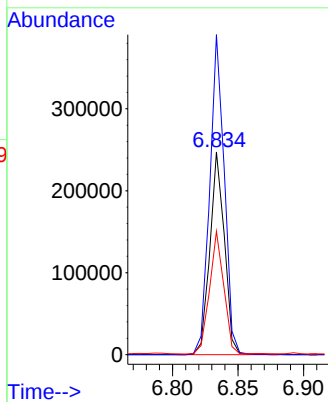
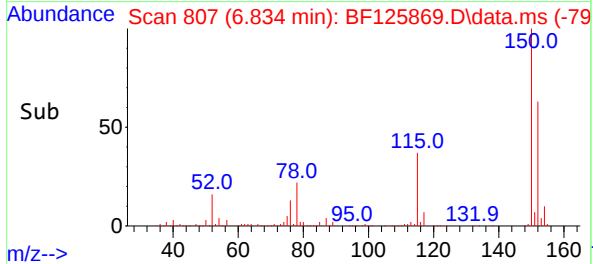




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38



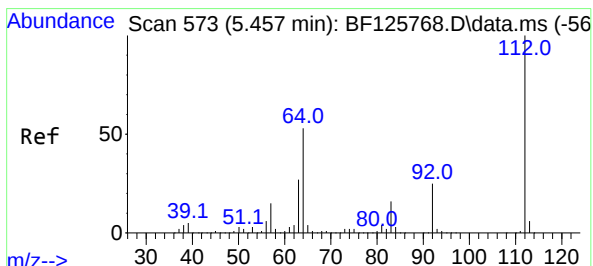
Tgt Ion:152 Resp: 190932
Ion Ratio Lower Upper
152 100
150 157.8 117.6 176.4
115 60.8 47.1 70.7



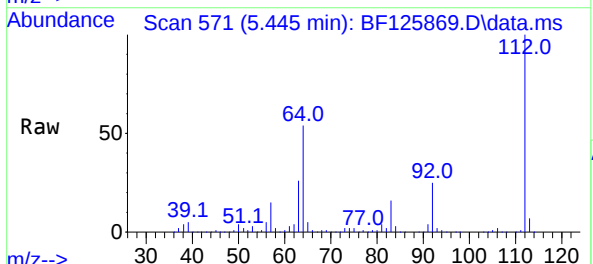
Instrument :
BNA_F
ClientSampleId :
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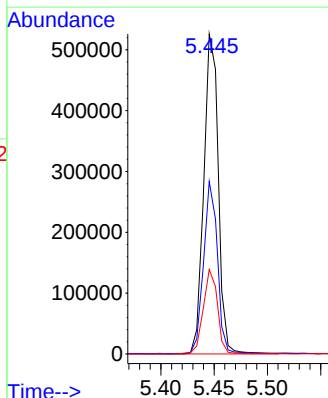
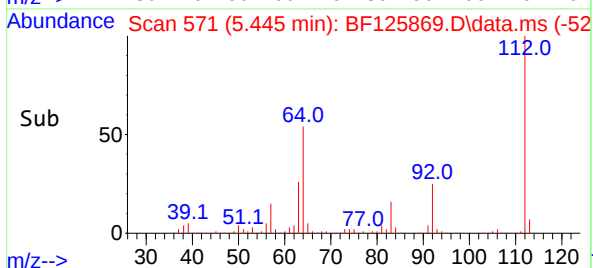
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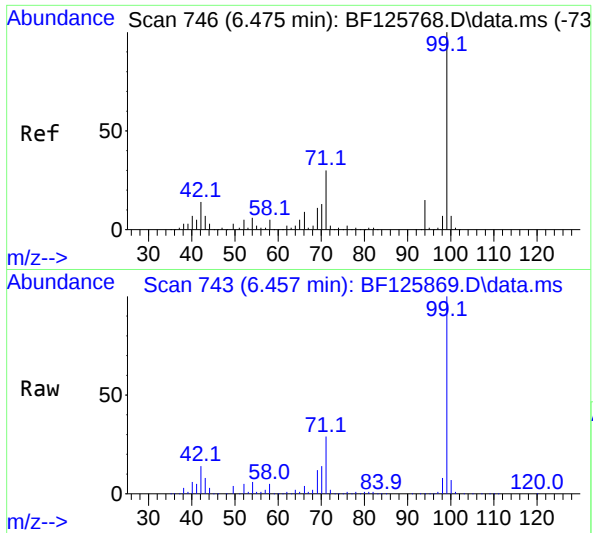


#5
2-Fluorophenol
Concen: 42.77 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38



Tgt Ion:112 Resp: 499825
Ion Ratio Lower Upper
112 100
64 53.9 44.2 66.2
63 26.4 26.2 39.2





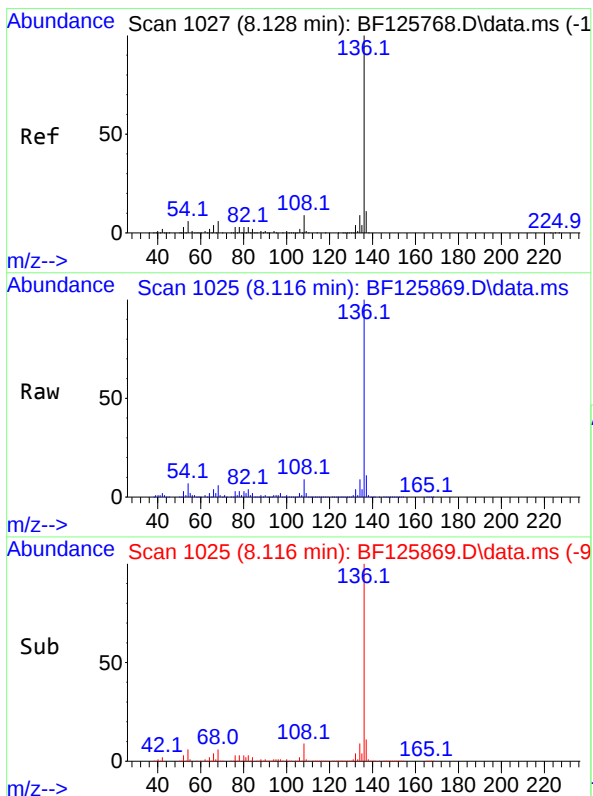
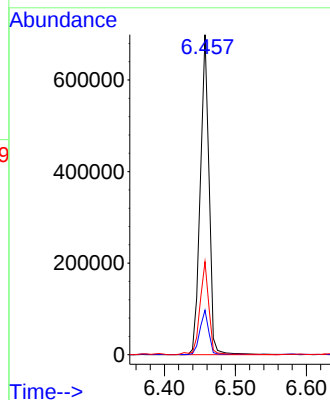
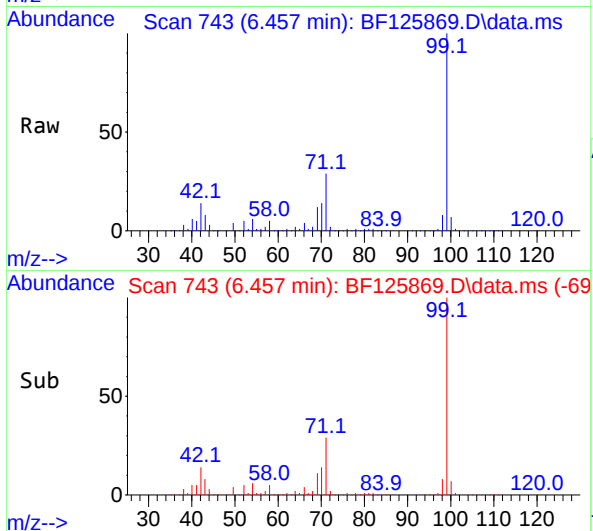
#7
Phenol-d6
Concen: 39.91 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

Tgt Ion:	99	Resp:	600504
Ion	Ratio	Lower	Upper
99	100		
42	13.9	23.5	35.3#
71	29.1	25.6	38.4

Instrument :
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ClientSampleId :
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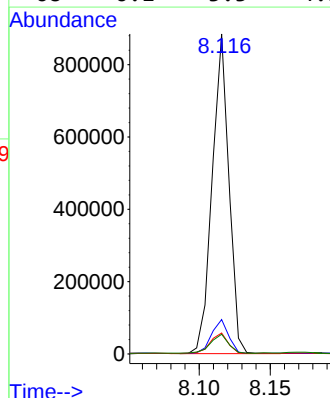
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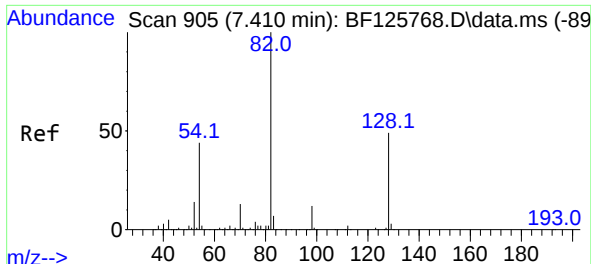
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

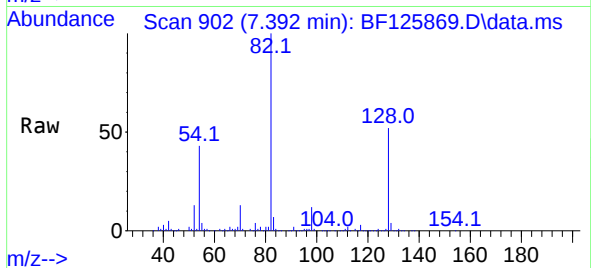
Tgt Ion:	136	Resp:	723381
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.8	14.6
54	6.5	6.4	9.6
68	6.1	3.3	4.9#





#23
Nitrobenzene-d5
Concen: 30.12 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

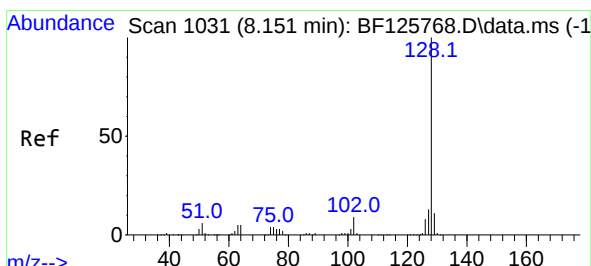
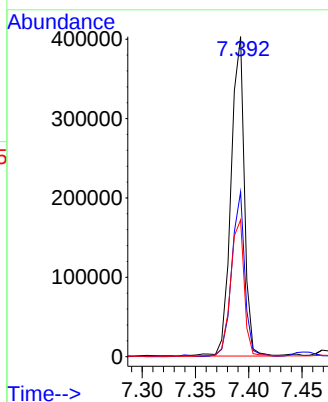
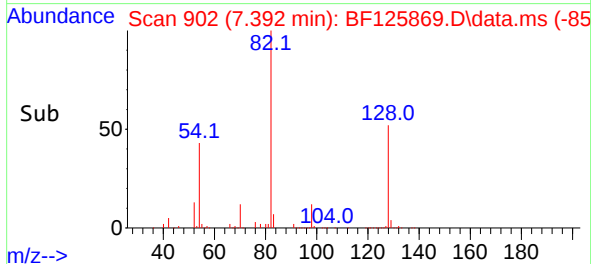
Instrument :
BNA_F
ClientSampleID :
HAR-SOILPILE DL



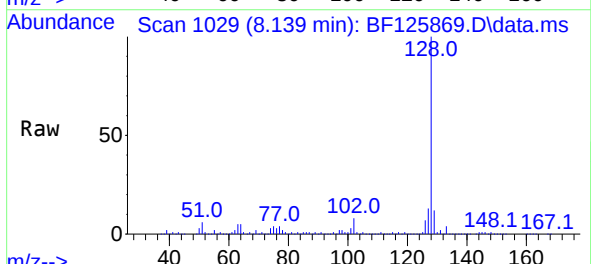
Tgt Ion: 82 Resp: 350533
Ion Ratio Lower Upper
82 100
128 51.5 40.6 60.8
54 42.7 49.6 74.4#

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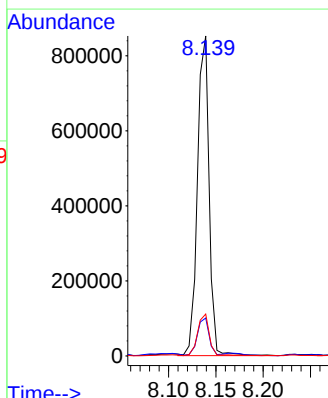
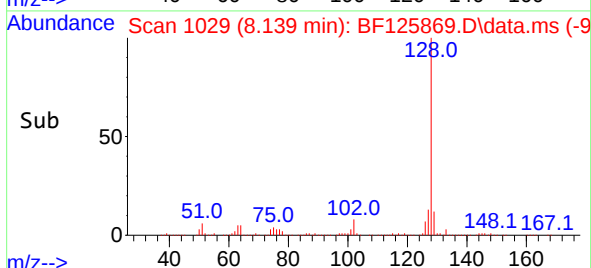
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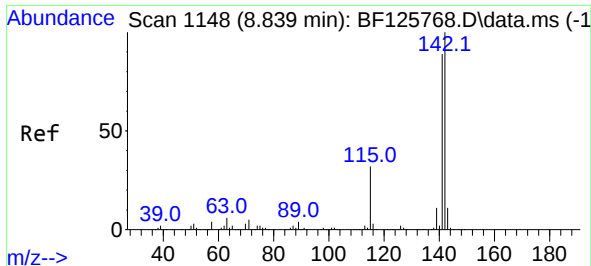


#31
Naphthalene
Concen: 21.01 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38



Tgt Ion: 128 Resp: 734887
Ion Ratio Lower Upper
128 100
129 11.9 9.4 14.0
127 13.1 10.9 16.3





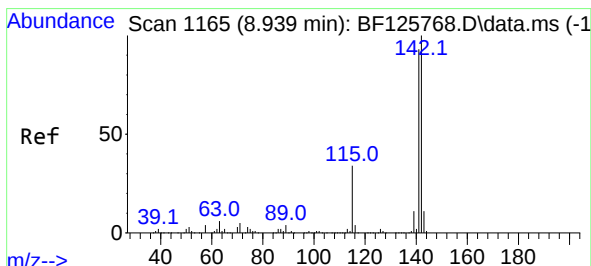
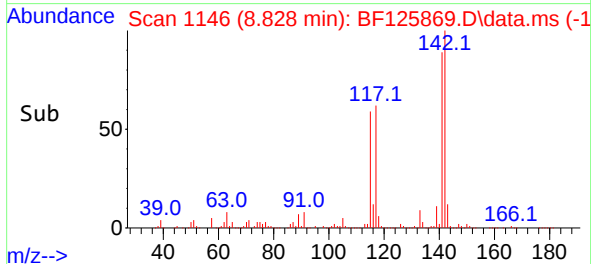
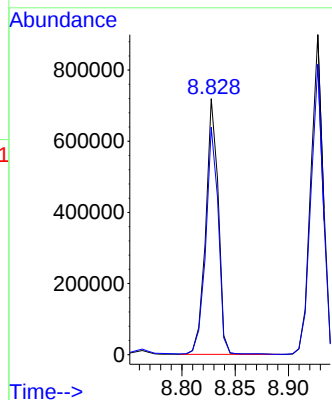
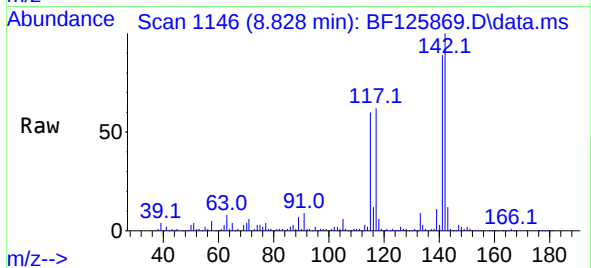
#37
2-Methylnaphthalene
Concen: 26.05 ng
RT: 8.828 min Scan# 1146
Delta R.T. -0.000 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

Tgt Ion:142 Resp: 590164
Ion Ratio Lower Upper
142 100
141 88.8 71.2 106.8

Instrument :
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ClientSampleId :
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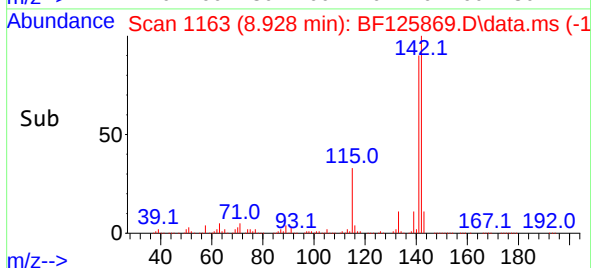
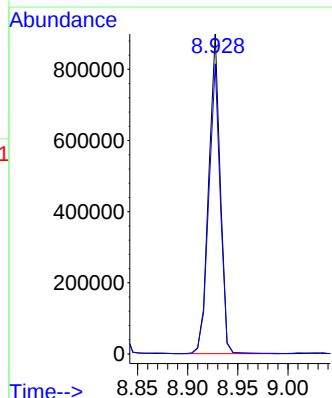
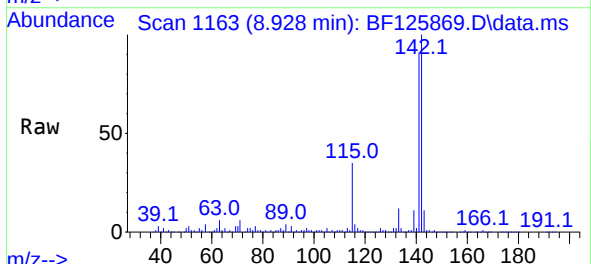
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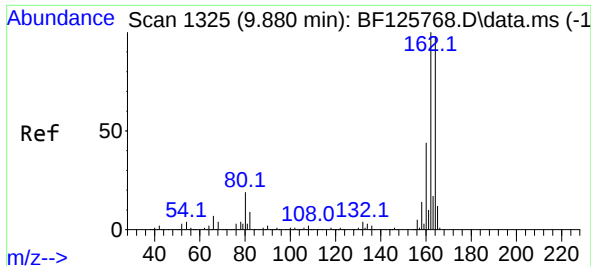
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#38
1-Methylnaphthalene
Concen: 32.69 ng
RT: 8.928 min Scan# 1163
Delta R.T. -0.000 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

Tgt Ion:142 Resp: 718612
Ion Ratio Lower Upper
142 100
141 90.7 76.0 114.0





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.000 min

Lab File: BF125869.D

Acq: 15 Oct 2021 18:38

Tgt Ion:164 Resp: 353834

Ion Ratio Lower Upper

164 100

162 100.9 81.3 121.9

160 43.5 38.0 57.0

Instrument :

BNA_F

ClientSampleId :

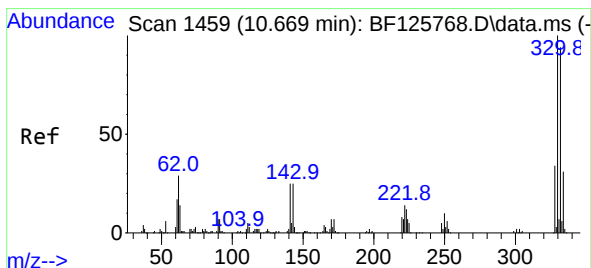
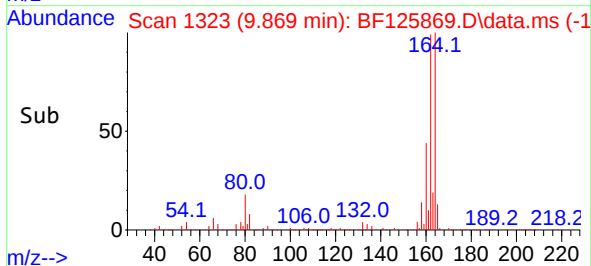
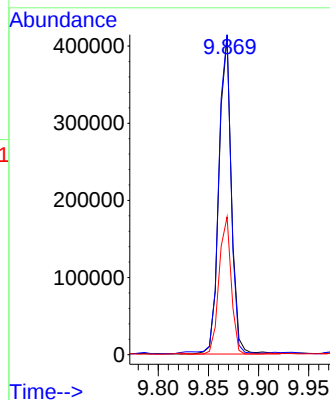
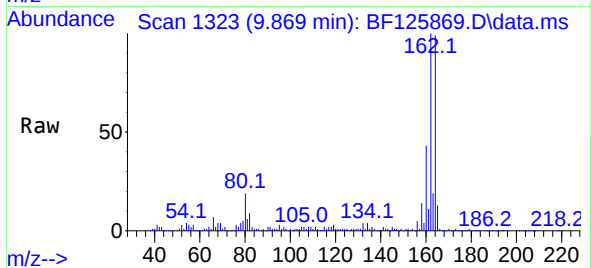
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#42

2,4,6-Tribromophenol

Concen: 29.64 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF125869.D

Acq: 15 Oct 2021 18:38

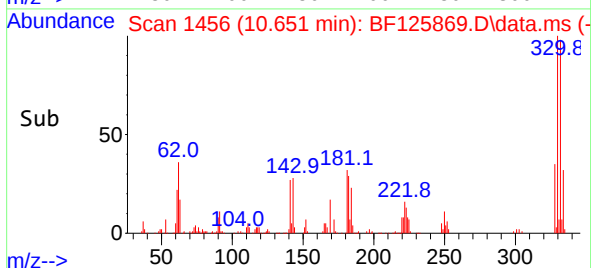
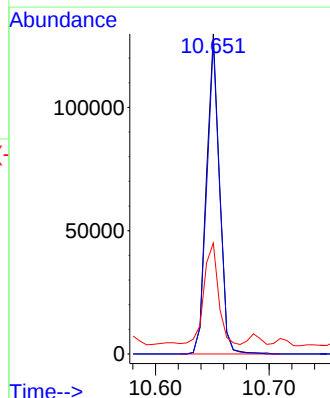
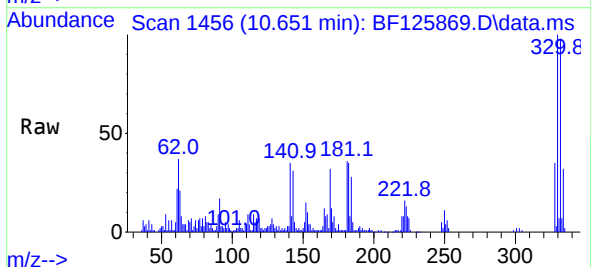
Tgt Ion:330 Resp: 103562

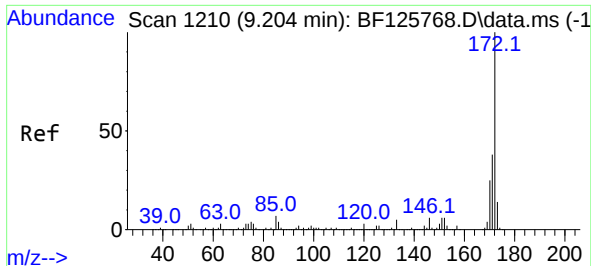
Ion Ratio Lower Upper

330 100

332 96.1 76.2 114.4

141 34.9 44.6 66.8#





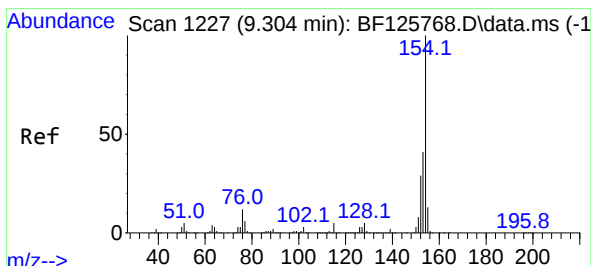
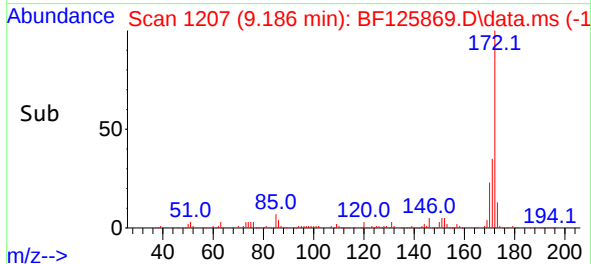
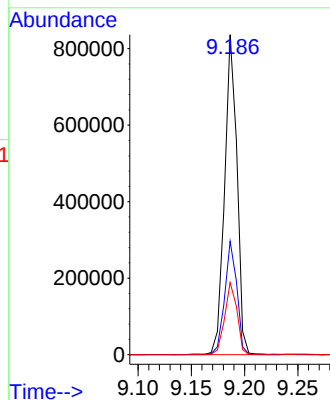
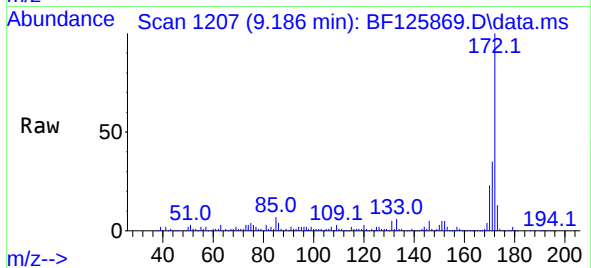
#45
2-Fluorobiphenyl
Concen: 32.90 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

Tgt Ion:172 Resp: 674925
Ion Ratio Lower Upper
172 100
171 35.4 26.5 39.7
170 22.5 18.8 28.2

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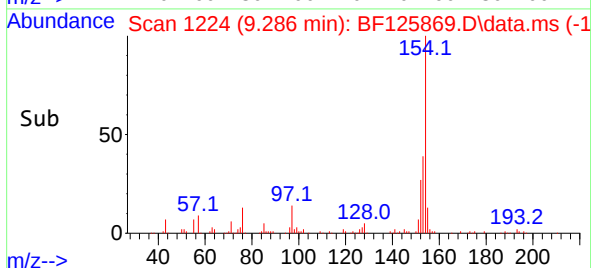
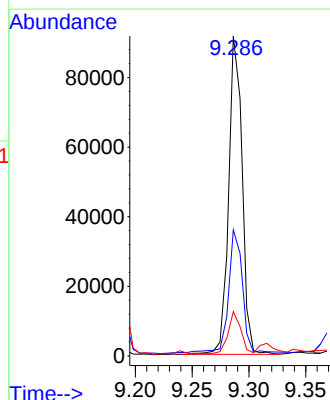
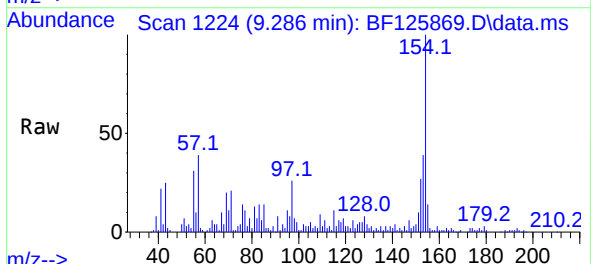
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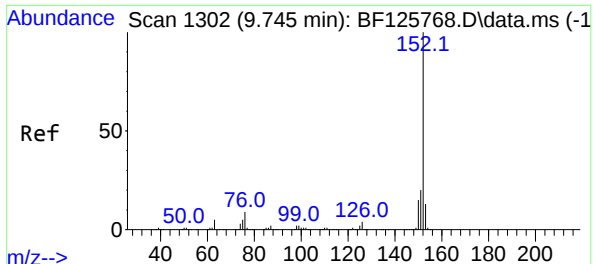
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#46
1,1'-Biphenyl
Concen: 2.91 ng
RT: 9.286 min Scan# 1224
Delta R.T. -0.006 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

Tgt Ion:154 Resp: 75768
Ion Ratio Lower Upper
154 100
153 39.4 20.0 60.0
76 13.9 0.0 30.3





#49

Acenaphthylene

Concen: 9.25 ng

RT: 9.727 min Scan# 1299

Delta R.T. -0.006 min

Lab File: BF125869.D

Acq: 15 Oct 2021 18:38

Tgt Ion:	152	Resp:	286134
Ion Ratio	Lower	Upper	
152	100		
151	20.9	15.7	23.5
153	18.8	9.8	14.8#

Instrument :

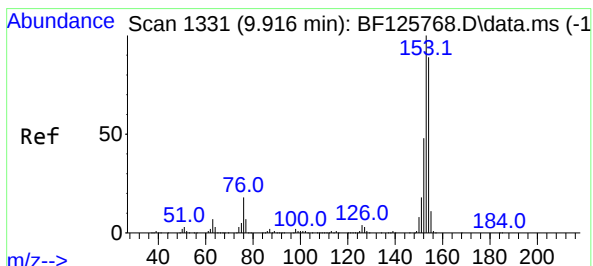
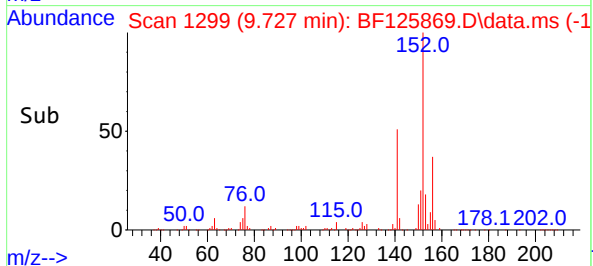
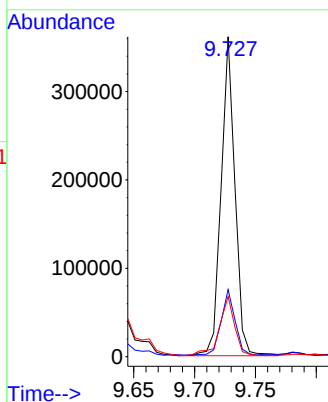
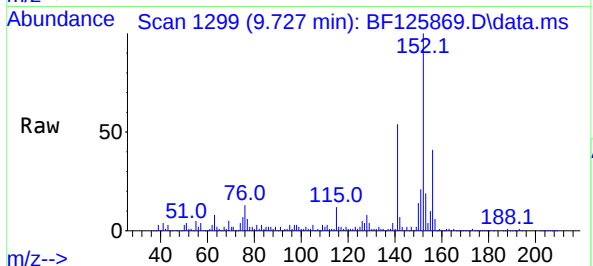
BNA_F

ClientSampleId :

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#52

Acenaphthene

Concen: 10.94 ng

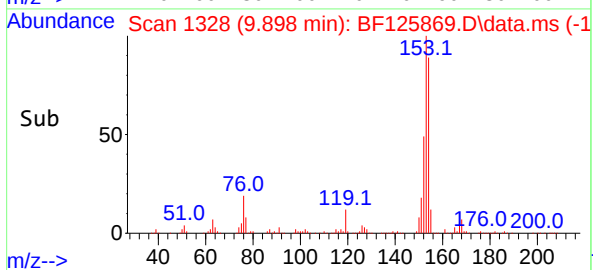
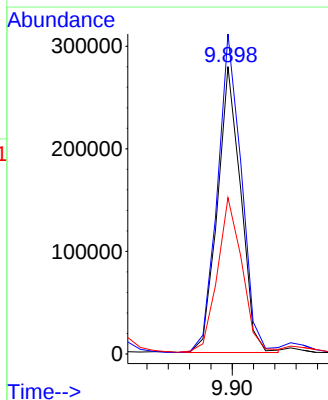
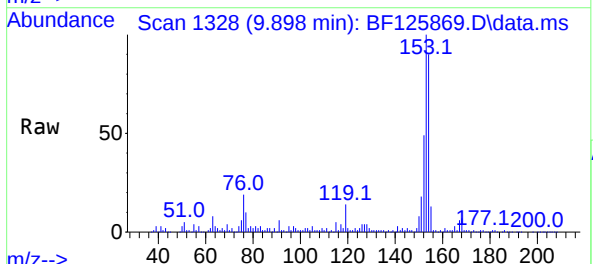
RT: 9.898 min Scan# 1328

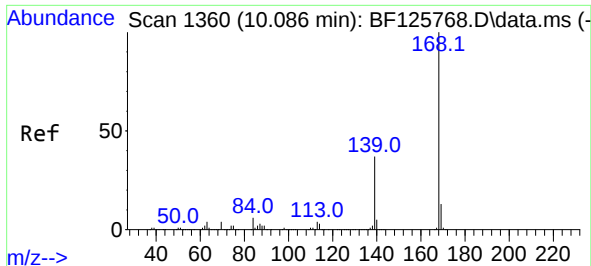
Delta R.T. -0.006 min

Lab File: BF125869.D

Acq: 15 Oct 2021 18:38

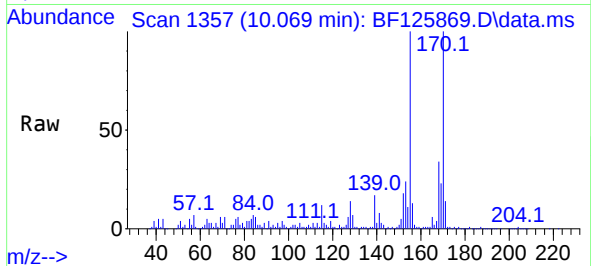
Tgt Ion:	154	Resp:	211391
Ion Ratio	Lower	Upper	
154	100		
153	111.3	89.4	134.2
152	54.4	40.5	60.7





#55
Dibenzenofuran
Concen: 2.38 ng
RT: 10.069 min Scan# 1357
Delta R.T. -0.006 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

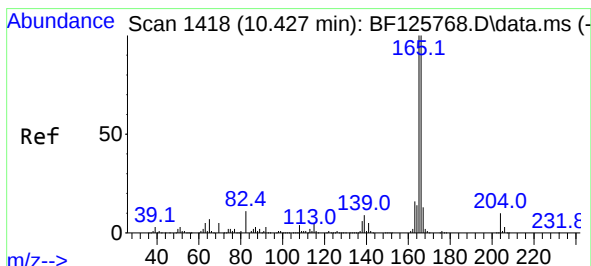
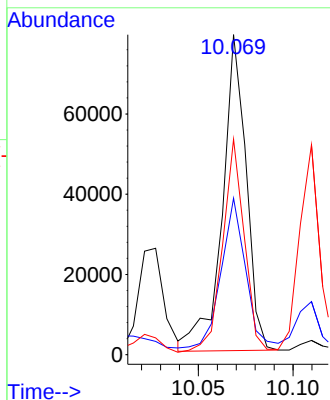
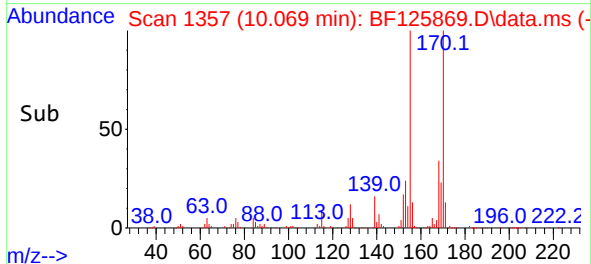
Instrument :
BNA_F
ClientSampleId :
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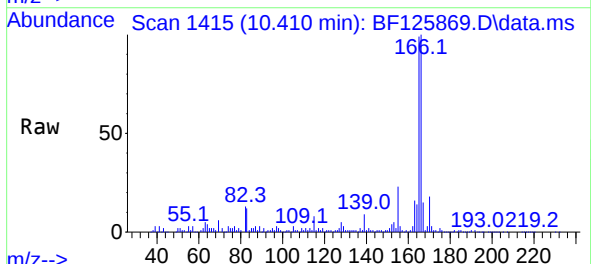
Tgt Ion:168 Resp: 68851
Ion Ratio Lower Upper
168 100
139 48.9 32.7 49.1
169 67.4 11.2 16.8#

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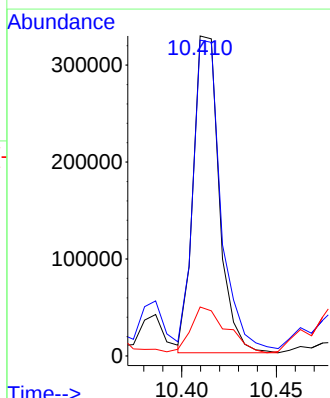
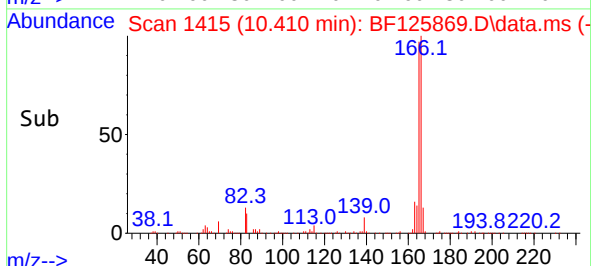
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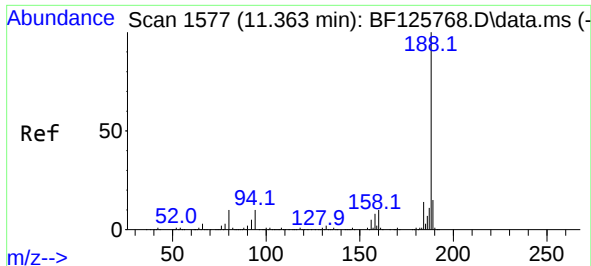


#58
Fluorene
Concen: 14.66 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38



Tgt Ion:166 Resp: 310809
Ion Ratio Lower Upper
166 100
165 98.7 78.1 117.1
167 15.3 11.1 16.7





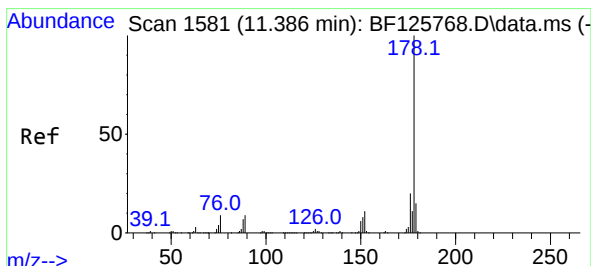
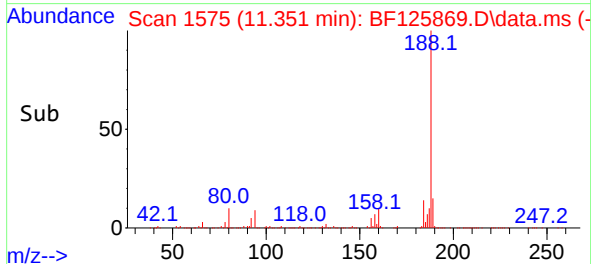
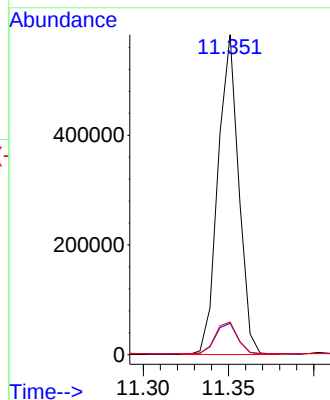
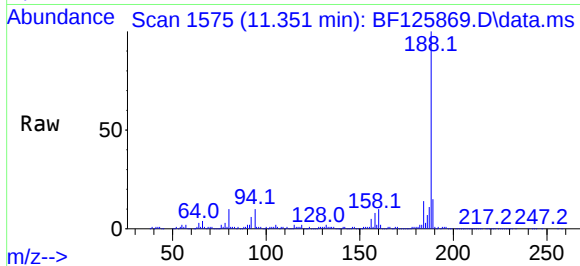
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

Tgt Ion:188 Resp: 492247
Ion Ratio Lower Upper
188 100
94 9.9 6.7 10.1
80 10.2 7.5 11.3

Instrument :
BNA_F
ClientSampleId :
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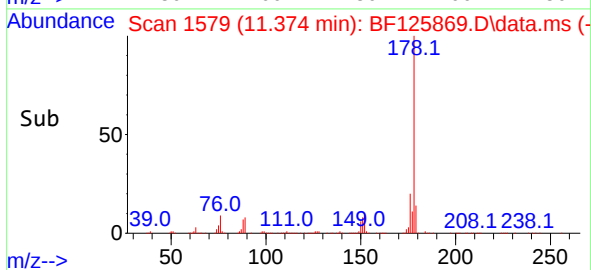
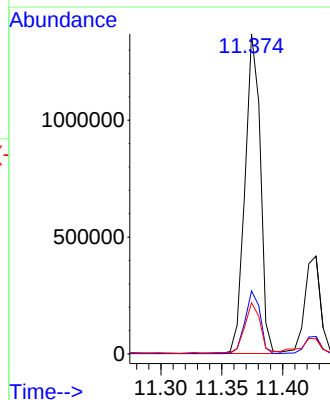
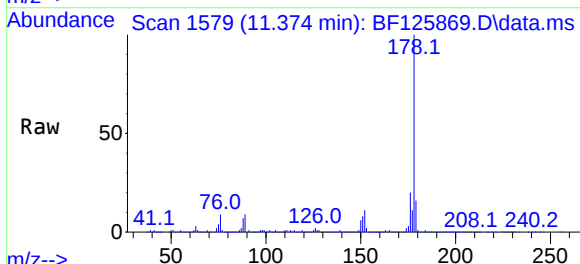
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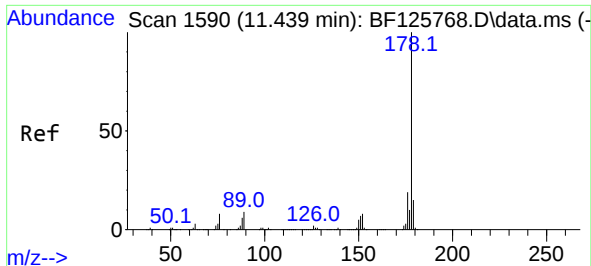
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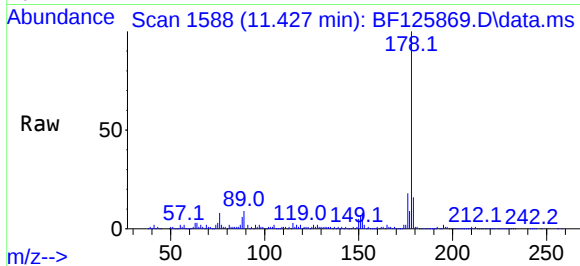
#71
Phenanthrene
Concen: 45.49 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

Tgt Ion:178 Resp: 1198087
Ion Ratio Lower Upper
178 100
176 19.7 14.7 22.1
179 16.0 11.5 17.3

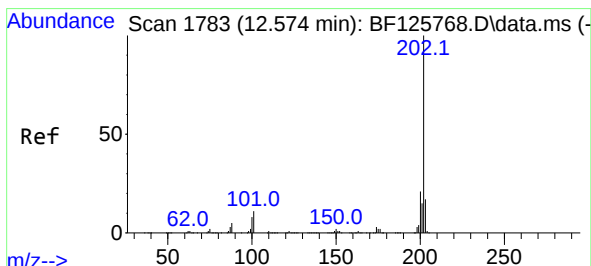
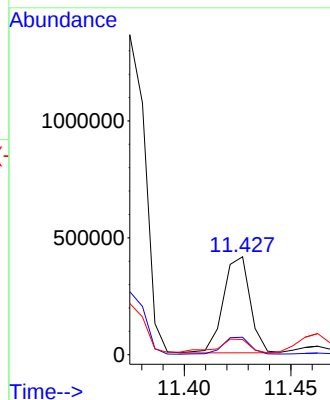
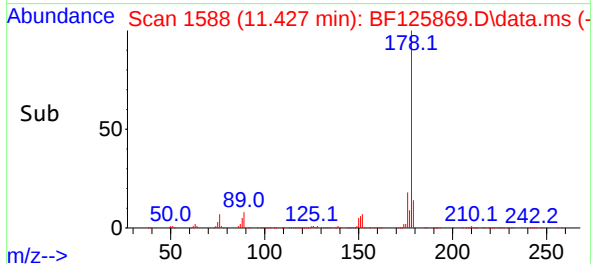




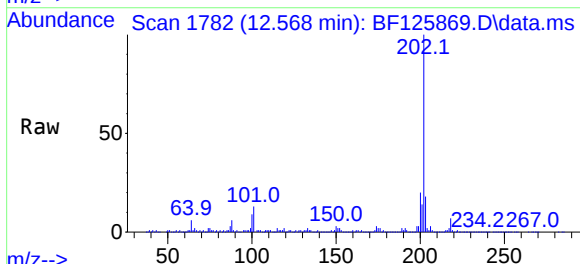
#72
 Anthracene
 Concen: 13.71 ng
 RT: 11.427 min Scan# 1588
 Delta R.T. -0.000 min
 Lab File: BF125869.D
 Acq: 15 Oct 2021 18:38



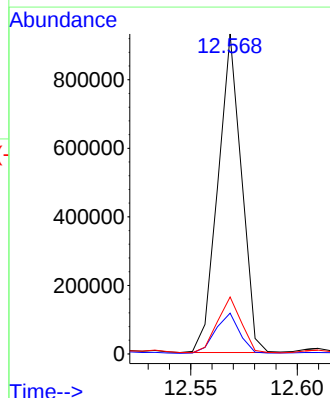
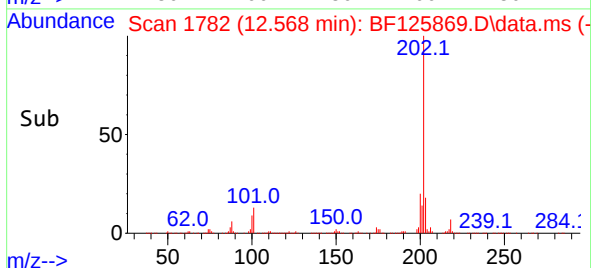
Tgt Ion:178 Resp: 360540
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.3 21.5
 179 15.6 12.2 18.4



#75
 Fluoranthene
 Concen: 30.09 ng
 RT: 12.568 min Scan# 1782
 Delta R.T. 0.006 min
 Lab File: BF125869.D
 Acq: 15 Oct 2021 18:38



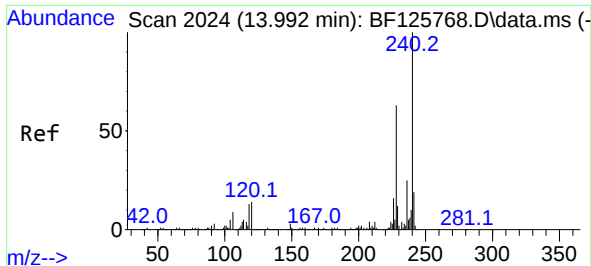
Tgt Ion:202 Resp: 714975
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 30.7
 203 17.8 0.0 36.3



Instrument :
 BNA_F
 ClientSampleID :
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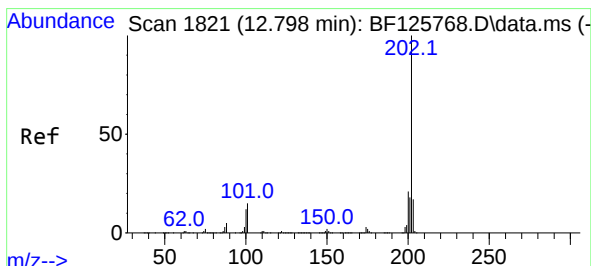
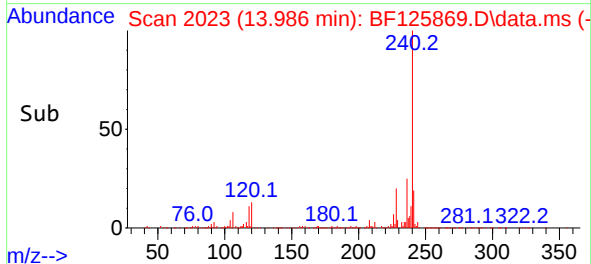
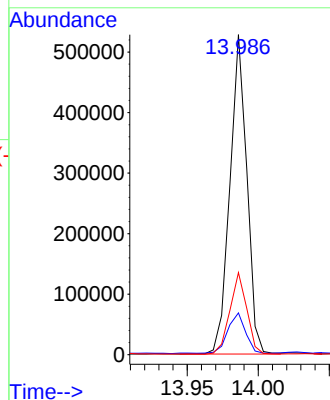
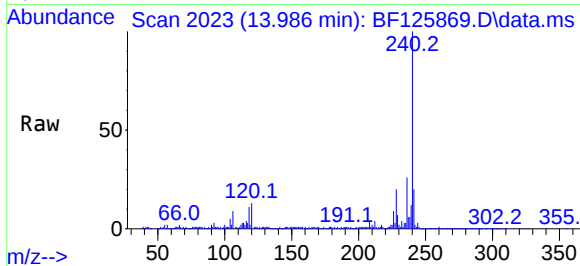
#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

Tgt Ion:240 Resp: 437360
Ion Ratio Lower Upper
240 100
120 13.1 10.8 16.2
236 25.7 21.6 32.4

Instrument :
BNA_F
ClientSampleId :
HAR-SOILPILE DL

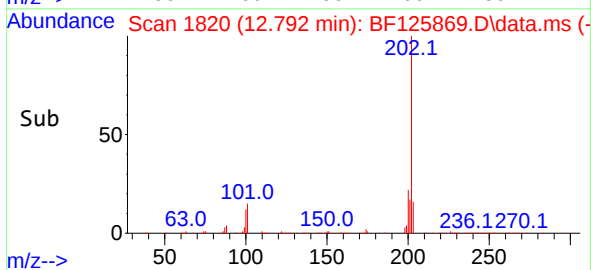
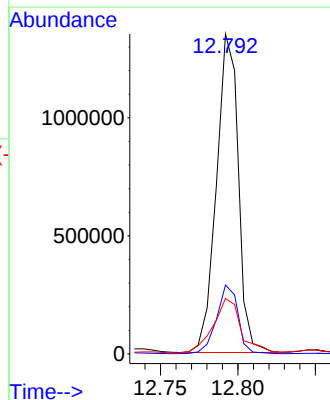
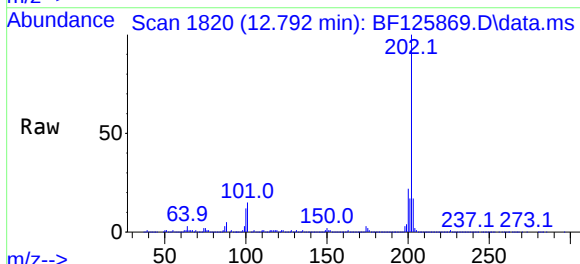
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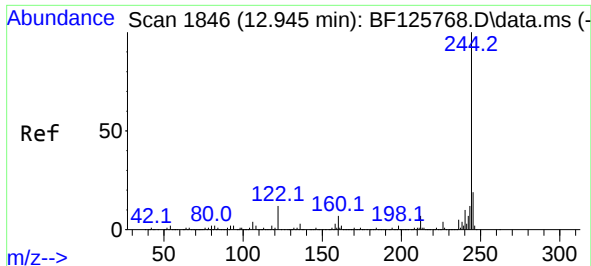
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#78
Pyrene
Concen: 29.88 ng
RT: 12.792 min Scan# 1820
Delta R.T. -0.000 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

Tgt Ion:202 Resp: 1327550
Ion Ratio Lower Upper
202 100
200 21.6 15.3 22.9
203 17.4 13.4 20.0





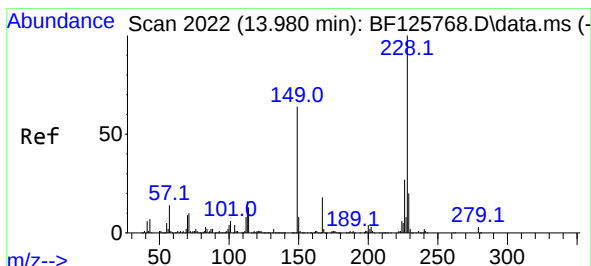
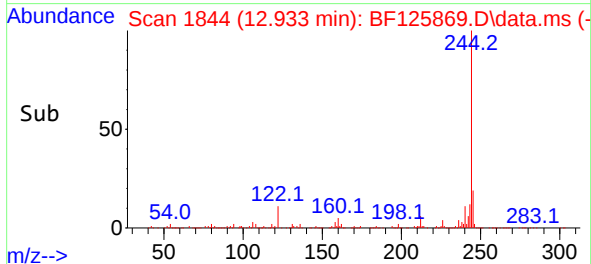
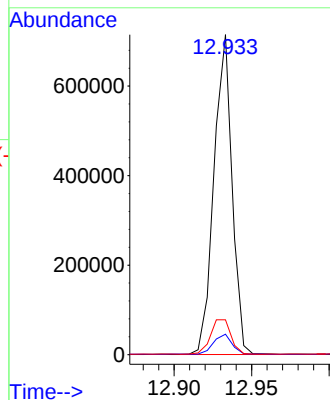
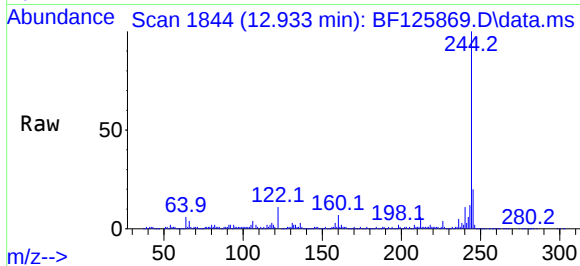
#79
Terphenyl-d14
Concen: 20.26 ng
RT: 12.933 min Scan# 1844
Delta R.T. -0.000 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

Tgt Ion:244 Resp: 581740
Ion Ratio Lower Upper
244 100
212 6.4 5.9 8.9
122 10.9 9.0 13.4

Instrument :
BNA_F
ClientSampleId :
HAR-SOILPILE DL

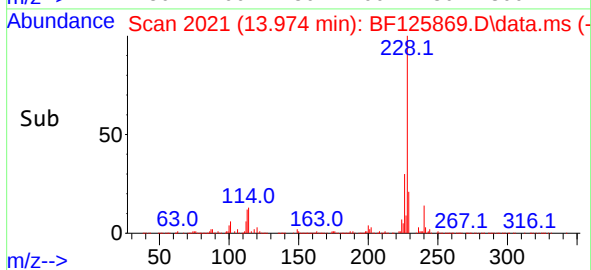
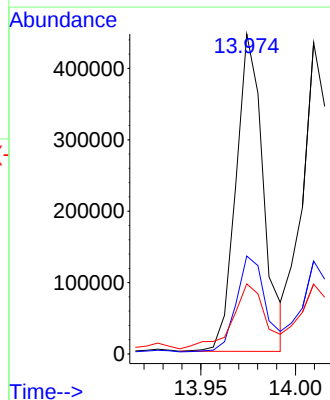
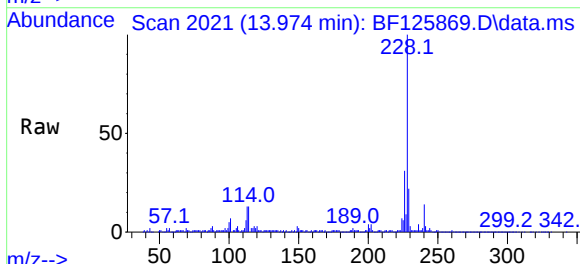
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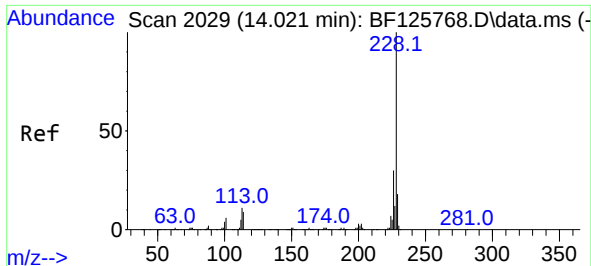
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#81
Benzo(a)anthracene
Concen: 15.77 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

Tgt Ion:228 Resp: 447563
Ion Ratio Lower Upper
228 100
226 30.6 21.6 32.4
229 21.9 15.6 23.4





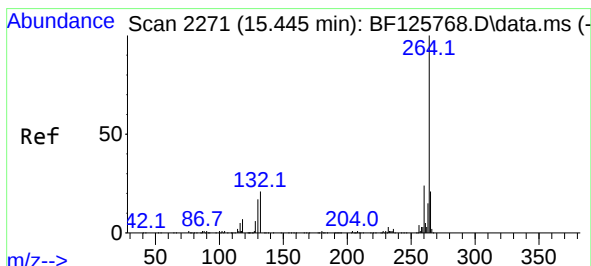
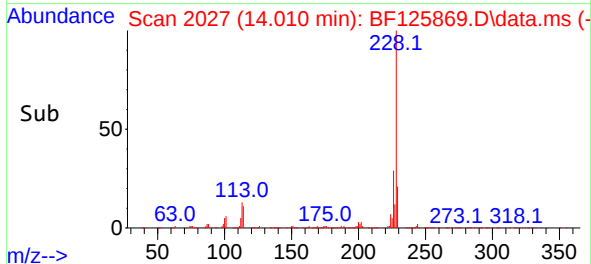
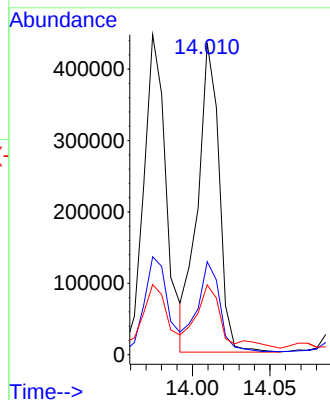
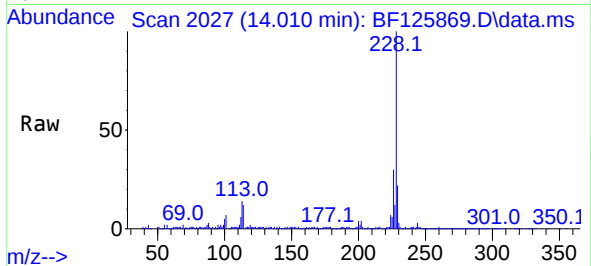
#83
Chrysene
Concen: 14.89 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

Tgt Ion:228 Resp: 417576
Ion Ratio Lower Upper
228 100
226 29.8 22.6 34.0
229 22.4 15.9 23.9

Instrument :
BNA_F
ClientSampleId :
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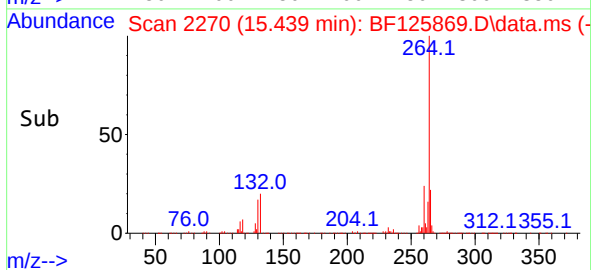
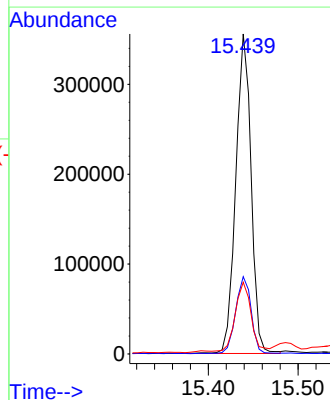
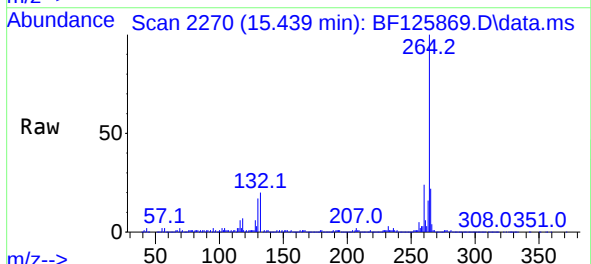
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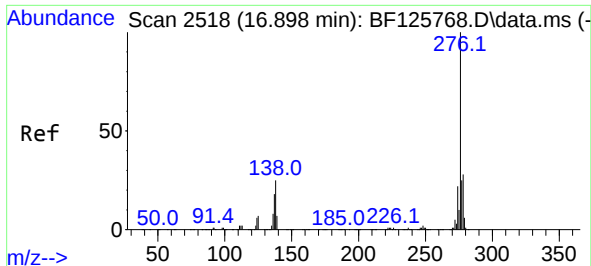
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

Tgt Ion:264 Resp: 420669
Ion Ratio Lower Upper
264 100
260 24.1 19.6 29.4
265 22.4 17.2 25.8





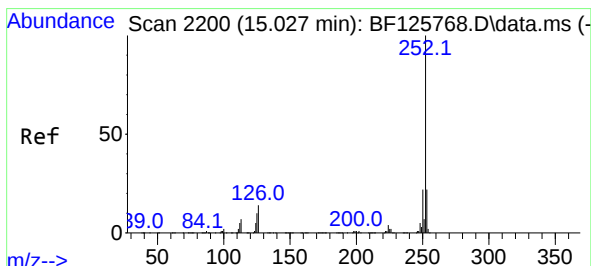
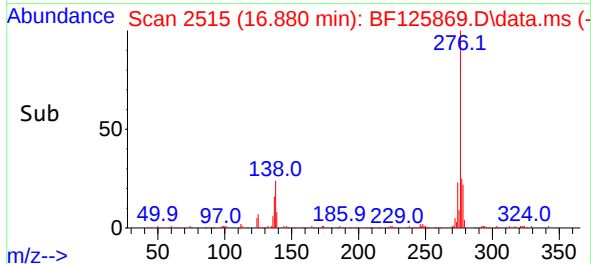
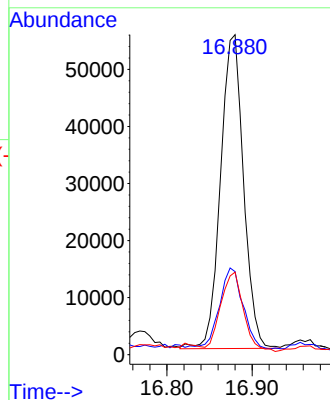
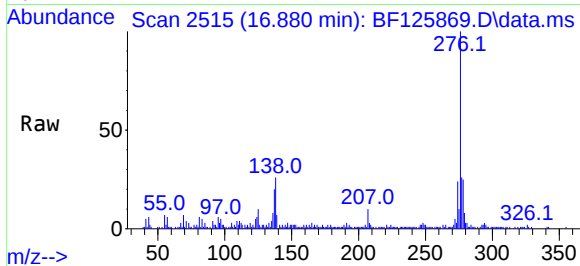
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.22 ng
RT: 16.880 min Scan# 2515
Delta R.T. -0.000 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

Tgt Ion: 276 Resp: 103256
Ion Ratio Lower Upper
276 100
138 26.3 24.1 36.1
277 25.1 18.8 28.2

Instrument :
BNA_F
ClientSampleId :
HAR-SOILPILE DL

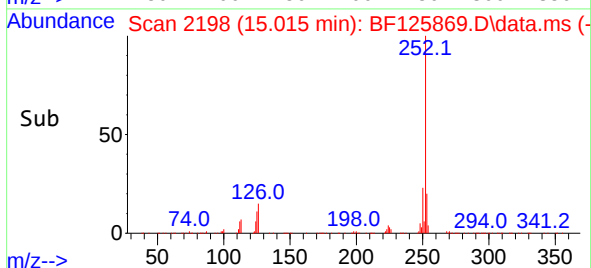
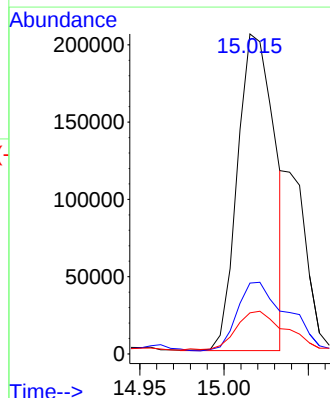
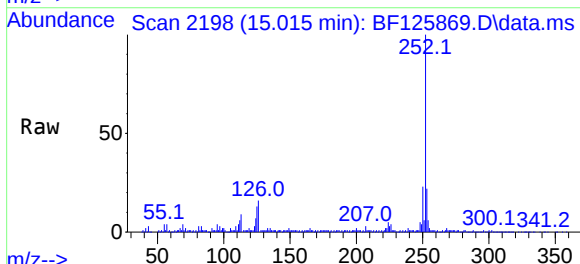
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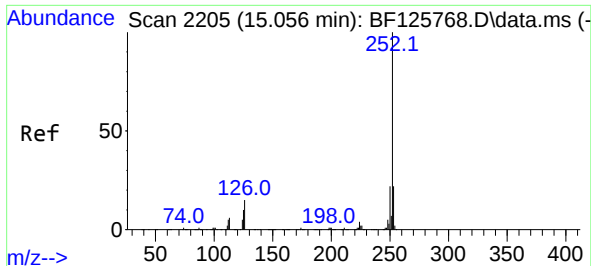
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#88
Benzo(b)fluoranthene
Concen: 13.20 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

Tgt Ion: 252 Resp: 313562
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 12.8 9.8 14.8





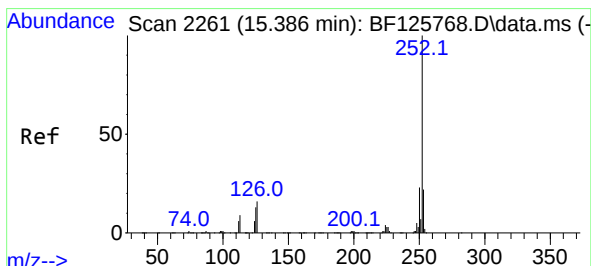
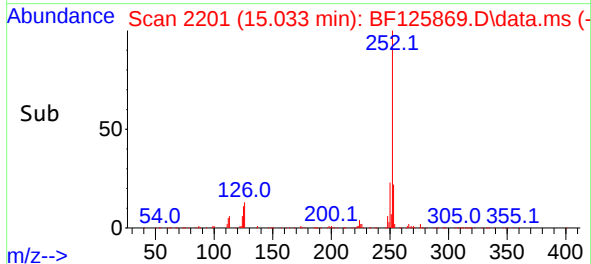
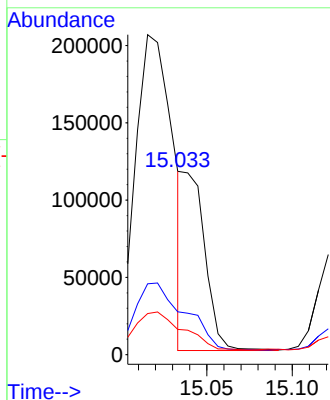
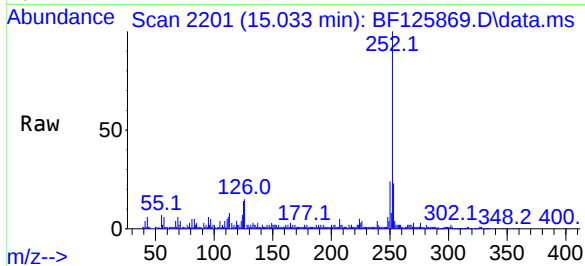
#89
Benzo(k)fluoranthene
Concen: 4.16 ng m
RT: 15.033 min Scan# 2201
Delta R.T. -0.012 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

Tgt Ion:252 Resp: 101476
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 13.8 7.2 10.8#

Instrument :
BNA_F
ClientSampleId :
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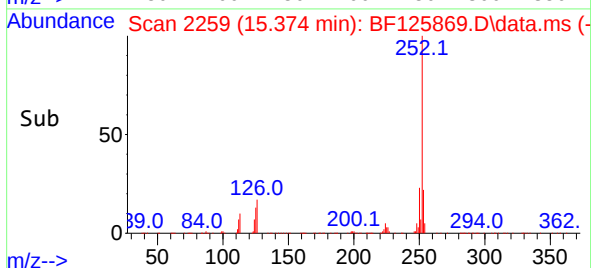
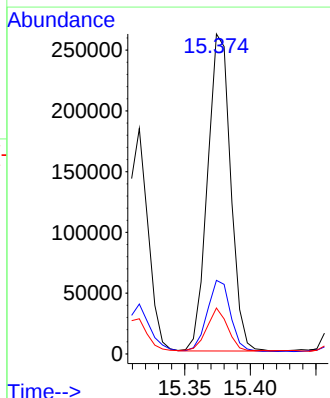
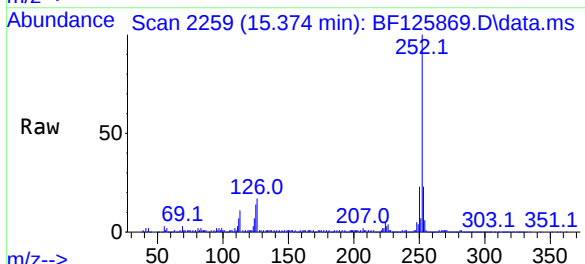
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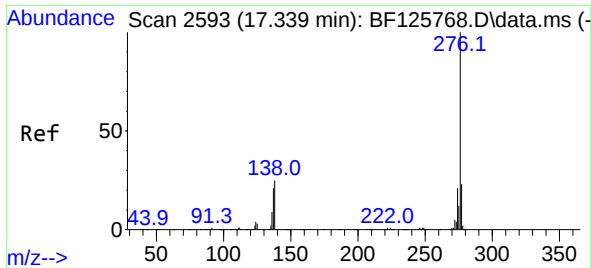
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#90
Benzo(a)pyrene
Concen: 15.21 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.000 min
Lab File: BF125869.D
Acq: 15 Oct 2021 18:38

Tgt Ion:252 Resp: 319951
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 14.3 9.9 14.9





#92
 Benzo(g,h,i)perylene
 Concen: 4.11 ng
 RT: 17.309 min Scan# 2588
 Delta R.T. -0.012 min
 Lab File: BF125869.D
 Acq: 15 Oct 2021 18:38

Tgt Ion:	276	Resp:	111167
Ion Ratio	Lower	Upper	
276	100		
277	26.1	22.0	33.0
138	26.2	22.2	33.4

Instrument :
 BNA_F
 ClientSampleId :
 HAR-SOILPILE DL

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