

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122420\
 Data File : BF122860.D
 Acq On : 24 Dec 2020 17:42
 Operator : JU/CG
 Sample : L5199-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-122320

Manual Integrations
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Quant Time: Dec 24 18:08:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 18:14:23 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	115017	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	412821	20.00	ng	0.00
39) Acenaphthene-d10	9.857	164	194005	20.00	ng	0.00
64) Phenanthrene-d10	11.345	188	310831	20.00	ng	0.00
76) Chrysene-d12	13.998	240	296820	20.00	ng	0.01
86) Perylene-d12	15.463	264	354083	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	117732	16.21	ng	0.00
7) Phenol-d6	6.451	99	138339	14.36	ng	0.00
23) Nitrobenzene-d5	7.381	82	80071	9.72	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	33532	13.20	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	162283	11.31	ng	-0.01
79) Terphenyl-d14	12.927	244	173393	10.23	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	96071	4.22	ng	98
37) 2-Methylnaphthalene	8.816	142	108041	7.17	ng	98
38) 1-Methylnaphthalene	8.916	142	90636	6.36	ng	100
49) Acenaphthylene	9.716	152	54708	2.78	ng	# 94
52) Acenaphthene	9.892	154	234111	18.36	ng	98
55) Dibenzofuran	10.063	168	222310	12.40	ng	97
58) Fluorene	10.404	166	287080	20.13	ng	99
71) Phenanthrene	11.375	178	1811404	98.06	ng	100
72) Anthracene	11.422	178	657348	35.89	ng	99
73) Carbazole	11.580	167	204260	12.30	ng	98
75) Fluoranthene	12.575	202	2327315	120.14	ng	98
78) Pyrene	12.804	202	2280751	99.38	ng	99
81) Benzo(a)anthracene	13.986	228	1352210	68.17	ng	99
83) Chrysene	14.022	228	1097923	55.62	ng	97
87) Indeno(1,2,3-cd)pyrene	16.927	276	695643	29.93	ng	96
88) Benzo(b)fluoranthene	15.039	252	1578258m	63.53	ng	
89) Benzo(k)fluoranthene	15.063	252	497128m	21.89	ng	
90) Benzo(a)pyrene	15.410	252	1237685	56.95	ng	97
91) Dibenzo(a,h)anthracene	16.927	278	176820m	9.30	ng	
92) Benzo(g,h,i)perylene	17.368	276	684837	37.20	ng	99

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

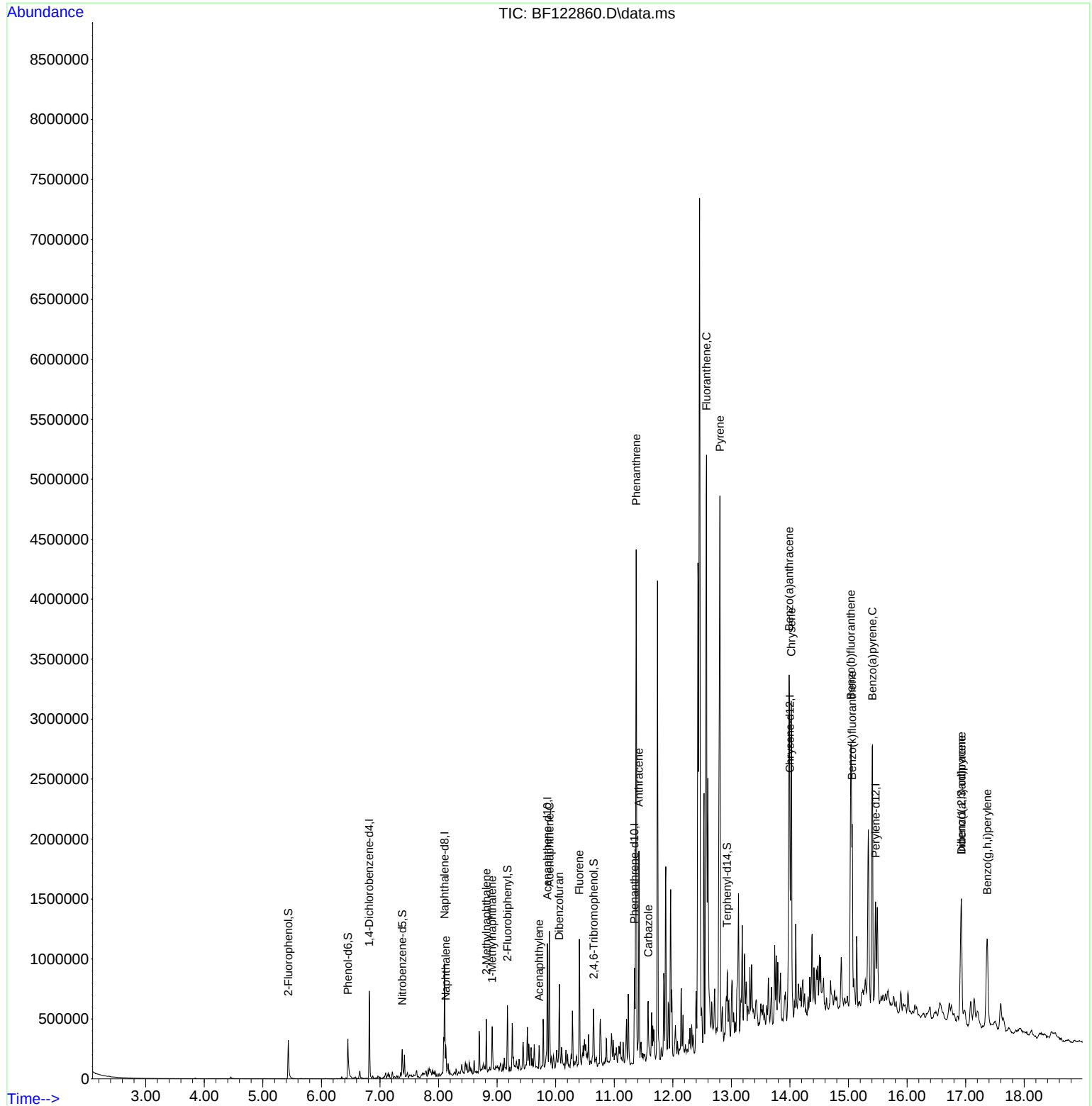
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122420\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 15 18:14:23 2020
Response via : Initial Calibration





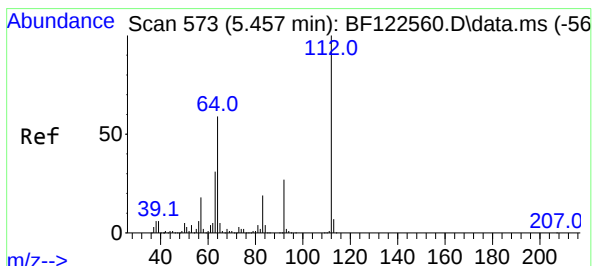
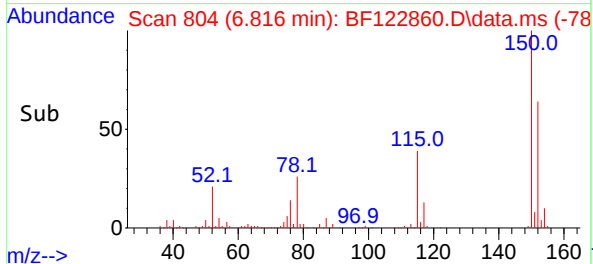
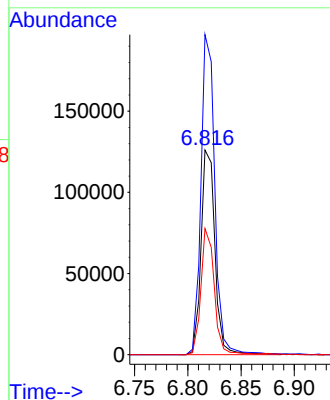
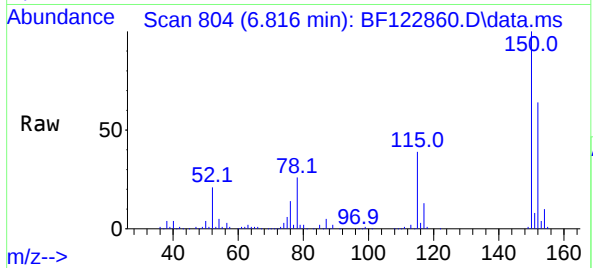
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1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42

Tgt Ion:152 Resp: 115017
Ion Ratio Lower Upper
152 100
150 156.3 125.8 188.6
115 61.6 49.3 73.9

Instrument :
BNA_F
ClientSampleId :
OR-03-122320

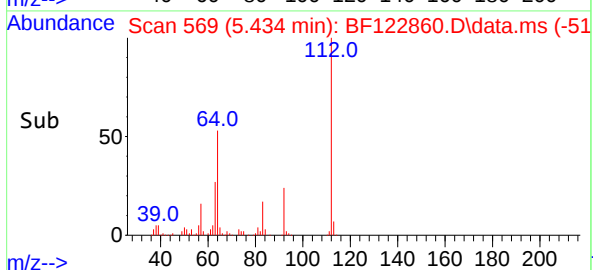
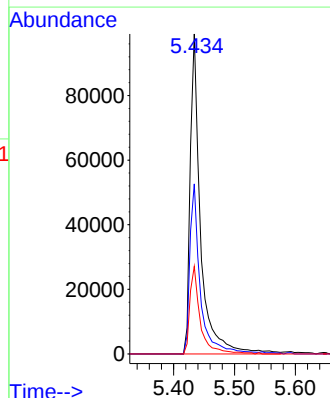
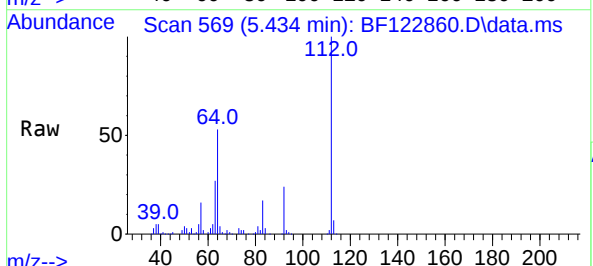
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#5
2-Fluorophenol
Concen: 16.21 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.000 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42

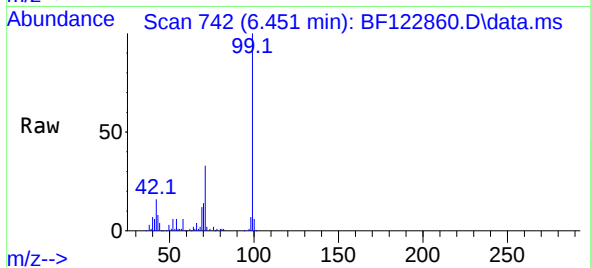
Tgt Ion:112 Resp: 117732
Ion Ratio Lower Upper
112 100
64 53.2 46.9 70.3
63 27.4 24.5 36.7





#7
Phenol-d6
Concen: 14.36 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42

Instrument :
BNA_F
ClientSampleId :
OR-03-122320

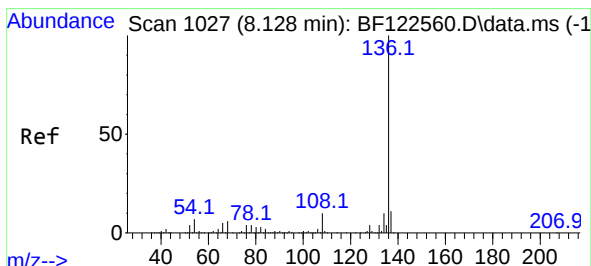
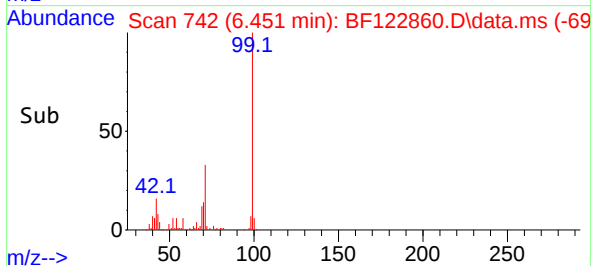
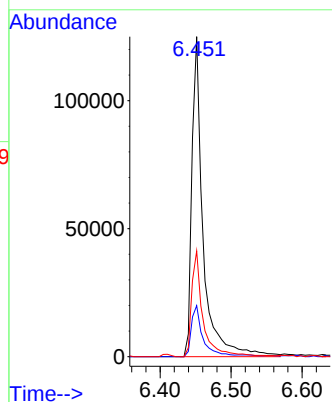


Tgt Ion: 99 Resp: 138339

Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.8	20.6
71	33.1	26.9	40.3

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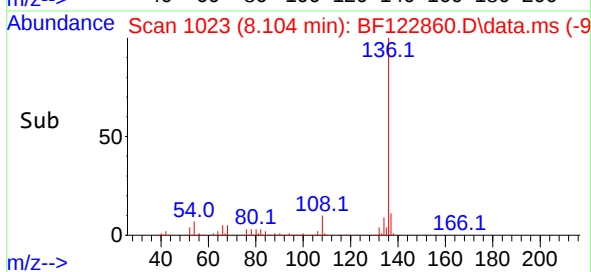
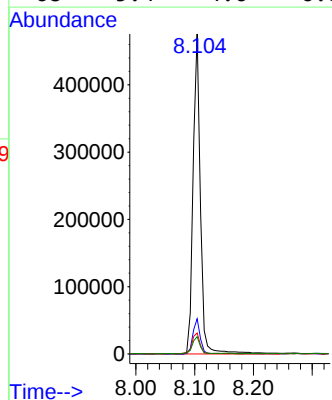
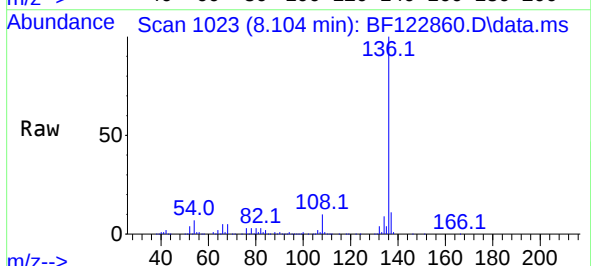
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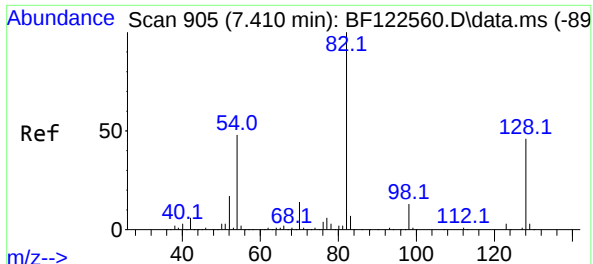


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42

Tgt Ion: 136 Resp: 412821

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.6	5.5	8.3
68	5.4	4.6	6.8





#23

Nitrobenzene-d5

Concen: 9.72 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF122860.D

Acq: 24 Dec 2020 17:42

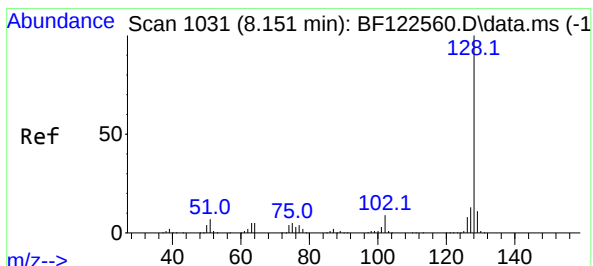
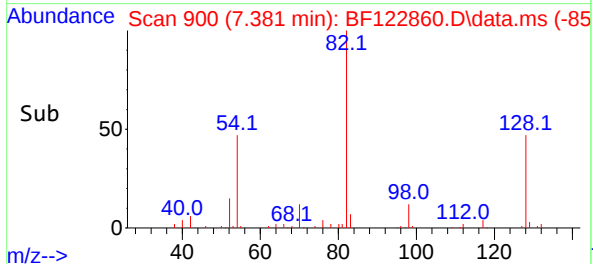
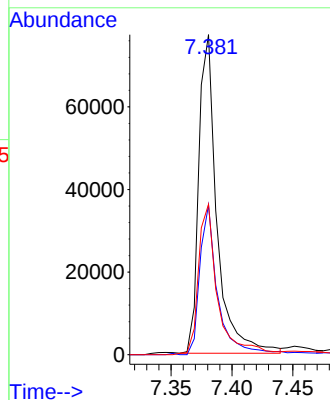
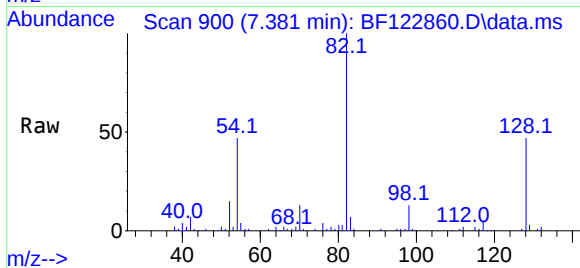
Tgt Ion: 82 Resp: 80071

Ion Ratio Lower Upper

82 100

128 46.8 37.0 55.4

54 47.0 38.4 57.6



#31

Naphthalene

Concen: 4.22 ng

RT: 8.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF122860.D

Acq: 24 Dec 2020 17:42

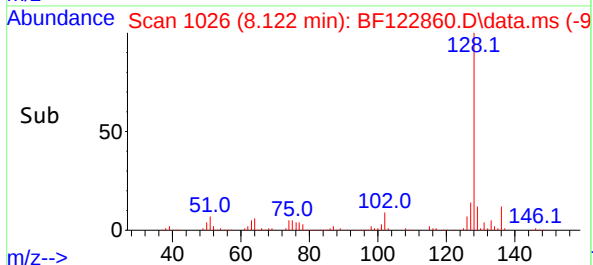
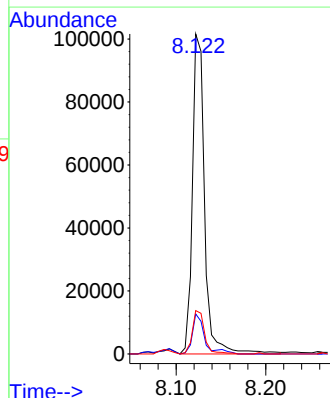
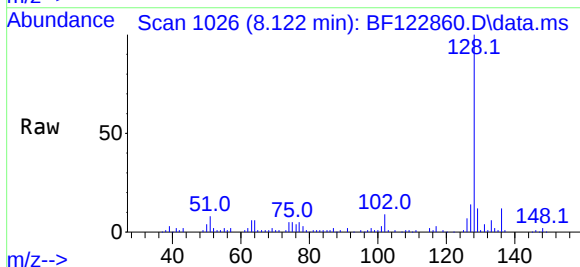
Tgt Ion: 128 Resp: 96071

Ion Ratio Lower Upper

128 100

129 12.5 9.0 13.6

127 13.5 10.7 16.1



Instrument :

BNA_F

ClientSampleId :

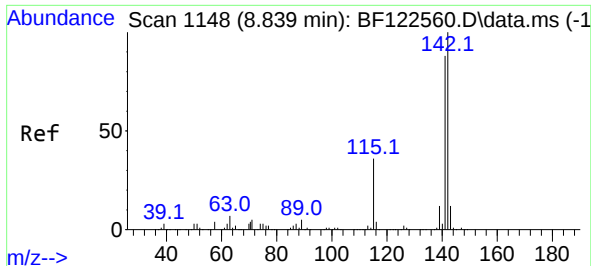
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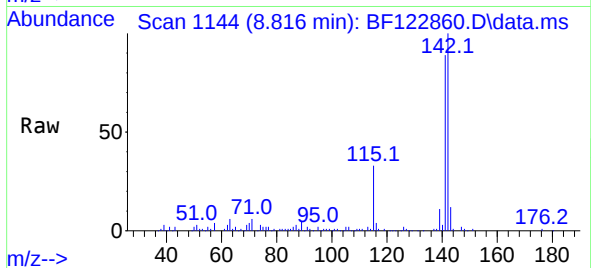
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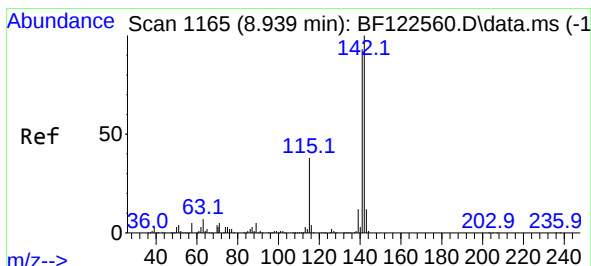
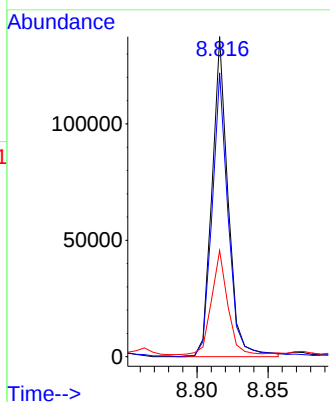
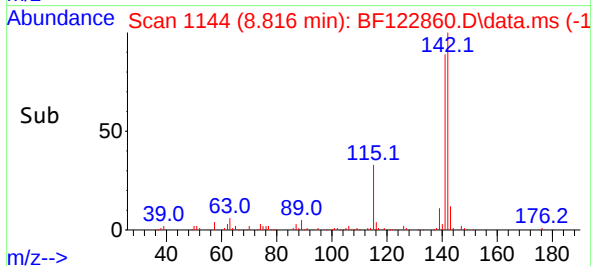
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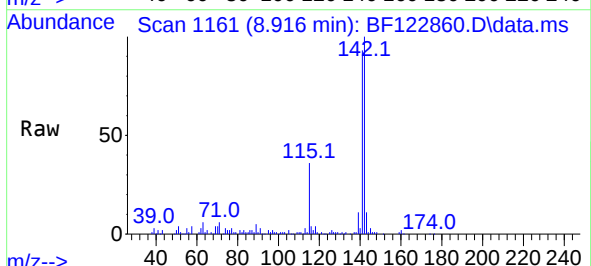
#37
2-Methylnaphthalene
Concen: 7.17 ng
RT: 8.816 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42



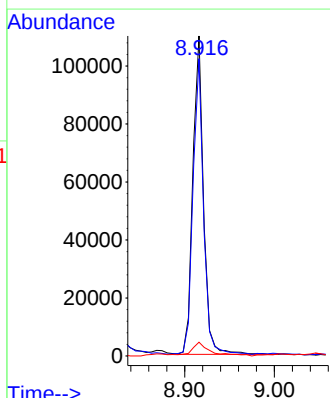
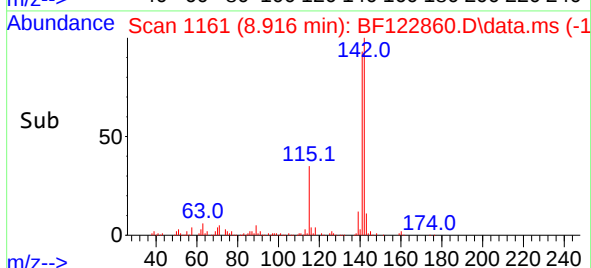
Tgt Ion:142 Resp: 108041
Ion Ratio Lower Upper
142 100
141 88.7 70.6 106.0
115 33.2 28.7 43.1



#38
1-Methylnaphthalene
Concen: 6.36 ng
RT: 8.916 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42



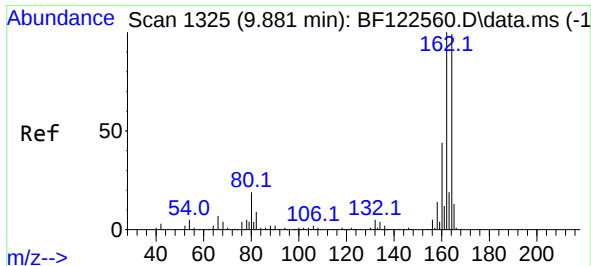
Tgt Ion:142 Resp: 90636
Ion Ratio Lower Upper
142 100
141 92.9 74.5 111.7
116 4.3 3.2 4.8



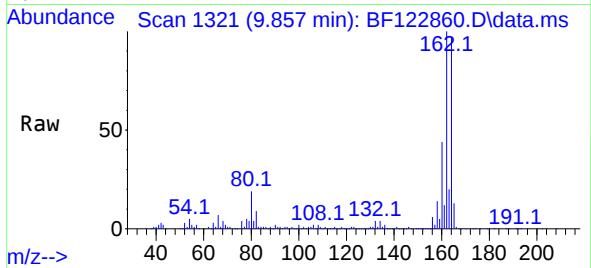
Instrument :
BNA_F
ClientSampleId :
OR-03-122320

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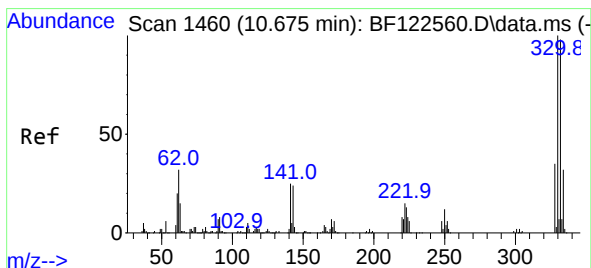
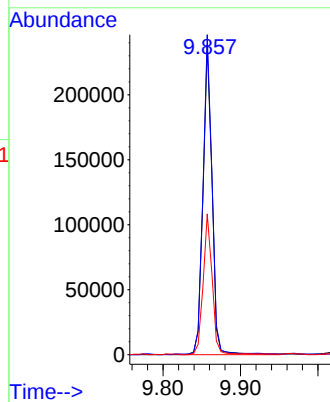
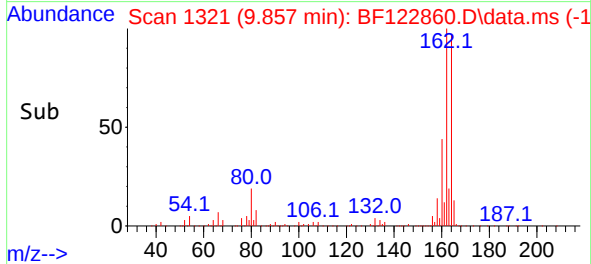
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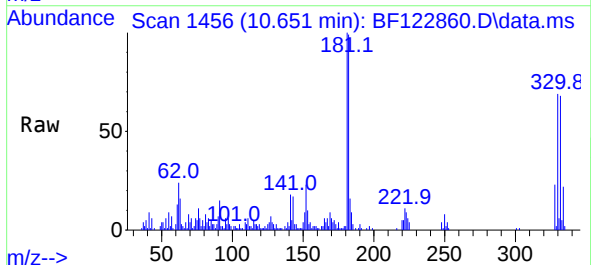
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42



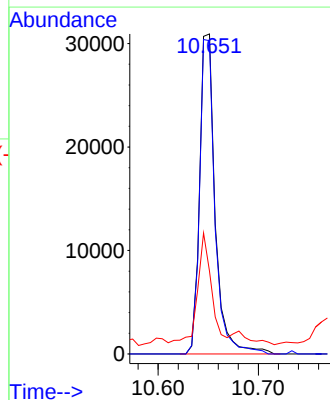
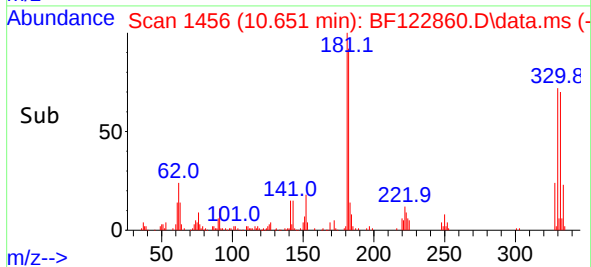
Tgt Ion:164 Resp: 194005
Ion Ratio Lower Upper
164 100
162 103.3 80.8 121.2
160 45.5 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 13.20 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42



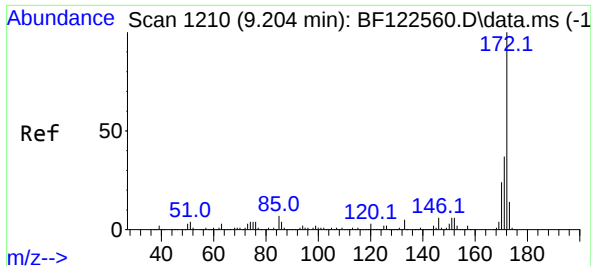
Tgt Ion:330 Resp: 33532
Ion Ratio Lower Upper
330 100
332 96.9 77.5 116.3
141 29.5 23.8 35.8



Instrument :
BNA_F
ClientSampleId :
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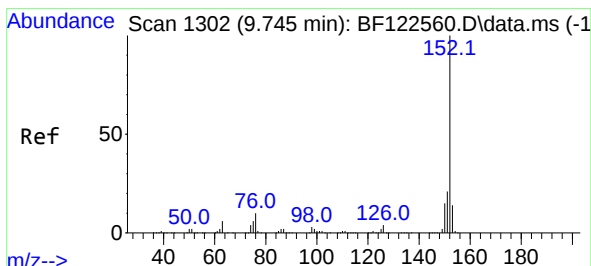
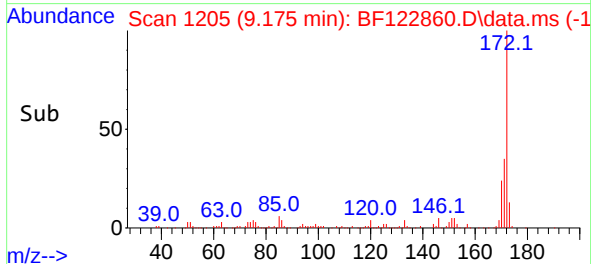
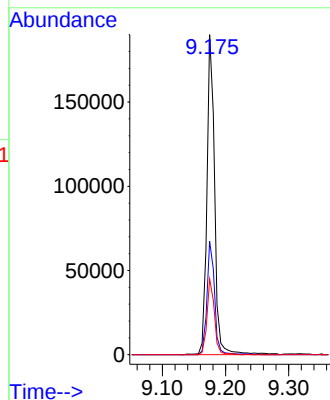
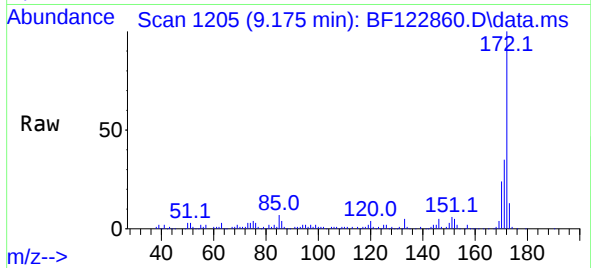
#45
2-Fluorobiphenyl
Concen: 11.31 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.012 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42

Tgt Ion:172 Resp: 162283
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.7 19.5 29.3

Instrument :
BNA_F
ClientSampleId :
OR-03-122320

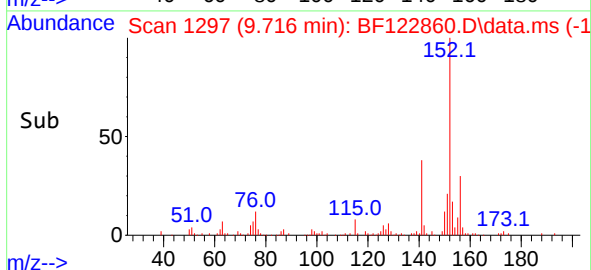
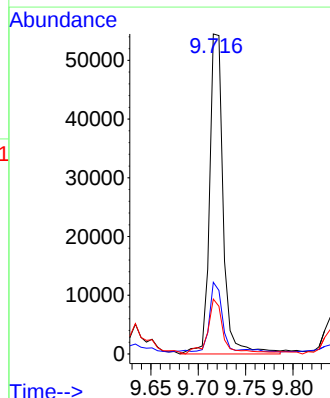
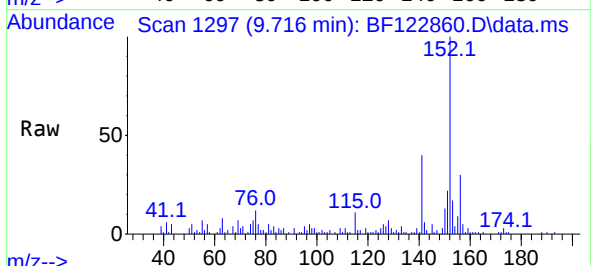
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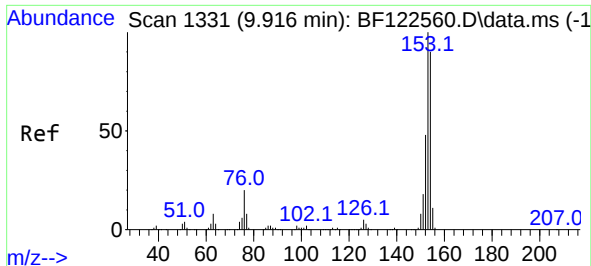
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#49
Acenaphthylene
Concen: 2.78 ng
RT: 9.716 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42

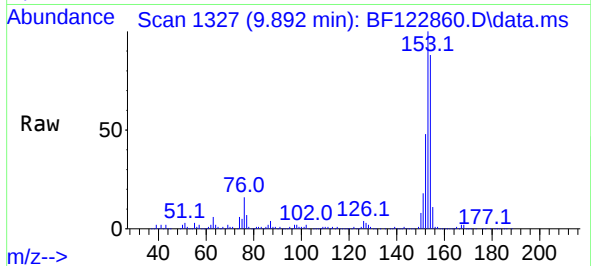
Tgt Ion:152 Resp: 54708
Ion Ratio Lower Upper
152 100
151 22.4 16.6 25.0
153 17.1 10.9 16.3#





#52
Acenaphthene
Concen: 18.36 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42

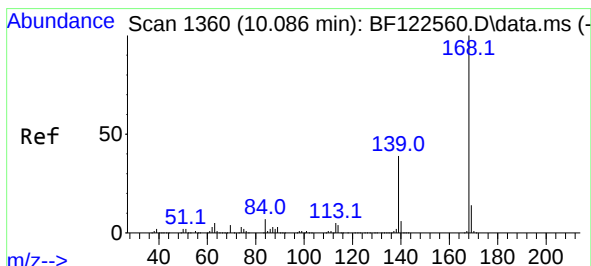
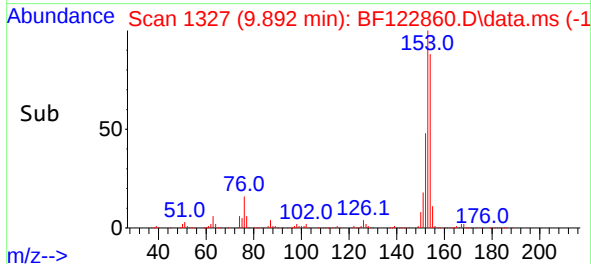
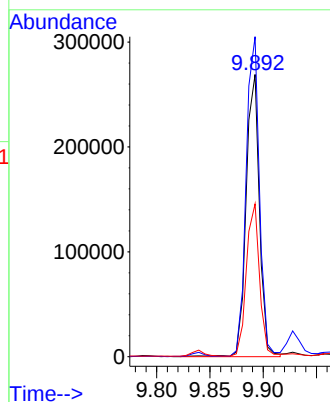
Instrument :
BNA_F
ClientSampleId :
OR-03-122320



Tgt Ion:154 Resp: 234111
Ion Ratio Lower Upper
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153 113.4 89.0 133.6
152 54.2 42.7 64.1

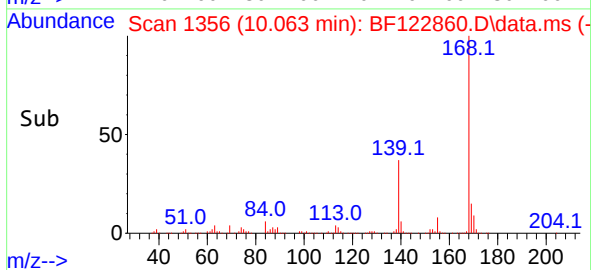
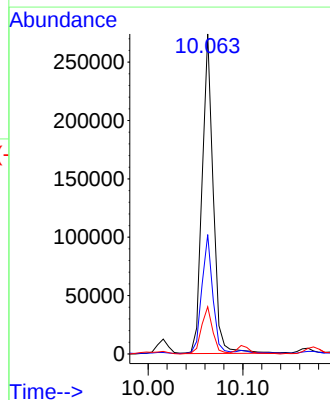
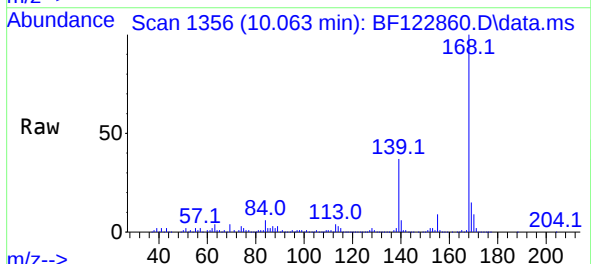
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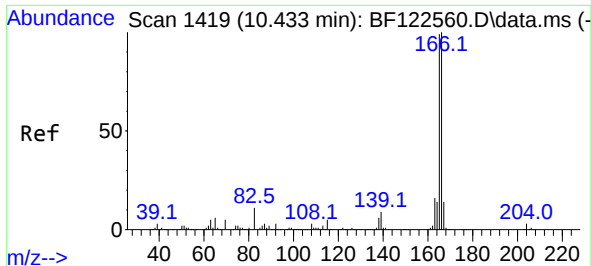
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#55
Dibenzofuran
Concen: 12.40 ng
RT: 10.063 min Scan# 1356
Delta R.T. -0.006 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42

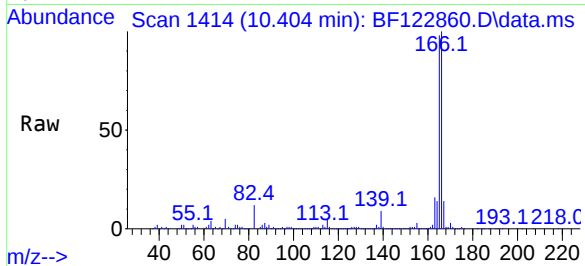
Tgt Ion:168 Resp: 222310
Ion Ratio Lower Upper
168 100
139 37.3 31.3 46.9
169 14.8 11.2 16.8





#58
Fluorene
Concen: 20.13 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42

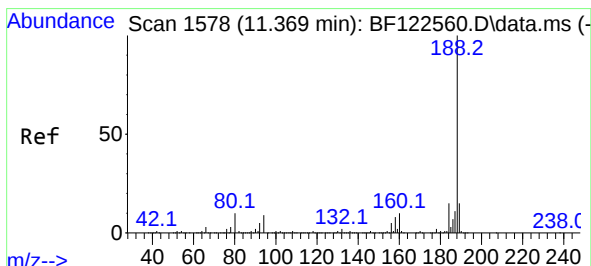
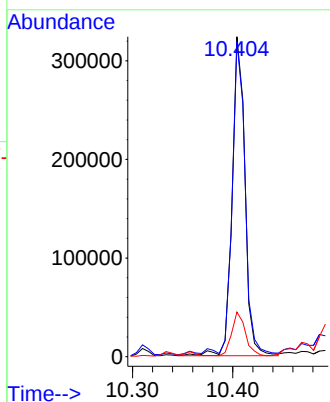
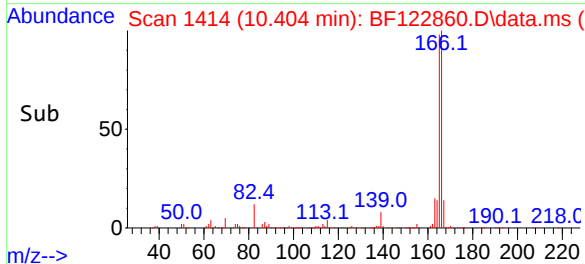
Instrument :
BNA_F
ClientSampleId :
OR-03-122320



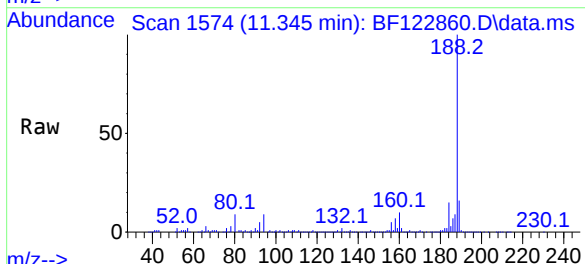
Tgt Ion:166 Resp: 287080
Ion Ratio Lower Upper
166 100
165 98.4 79.4 119.0
167 13.9 10.9 16.3

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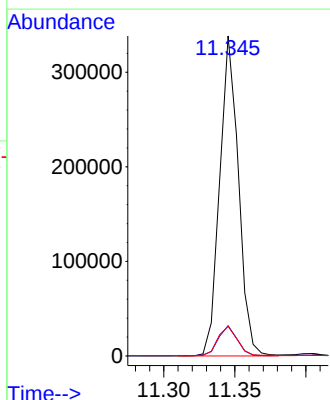
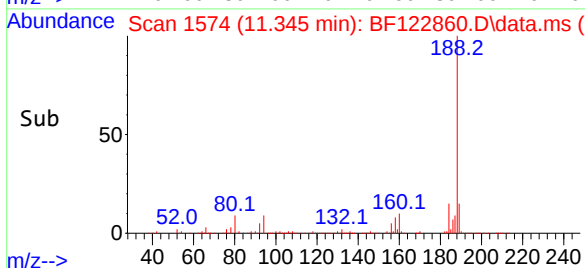
mohammad
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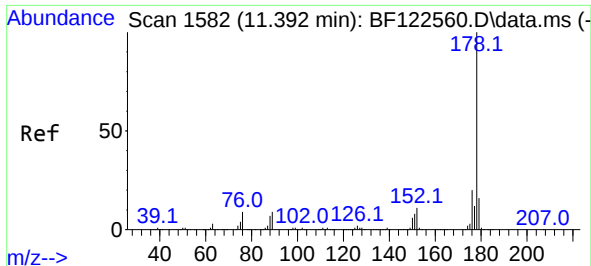


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42



Tgt Ion:188 Resp: 310831
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.2
80 9.3 8.2 12.4





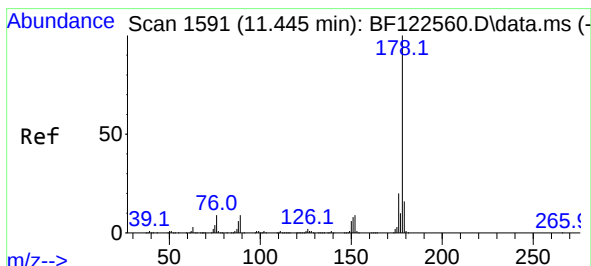
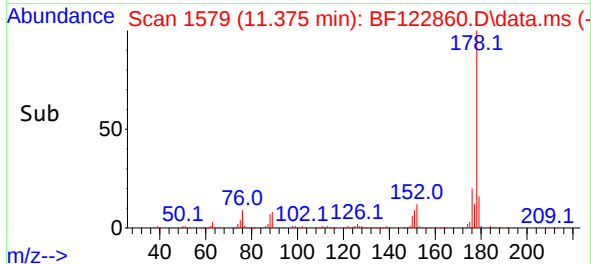
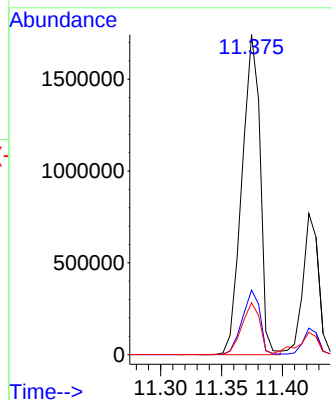
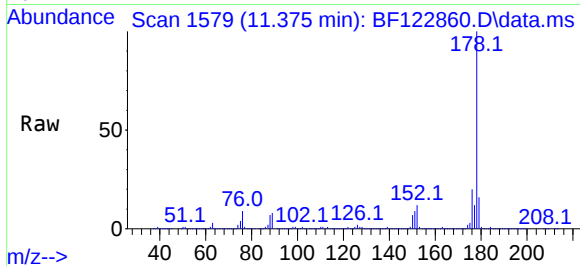
#71
Phenanthrene
Concen: 98.06 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42

Instrument :
BNA_F
ClientSampleId :
OR-03-122320

Tgt Ion:178 Resp: 1811404
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.2
179 16.3 12.7 19.1

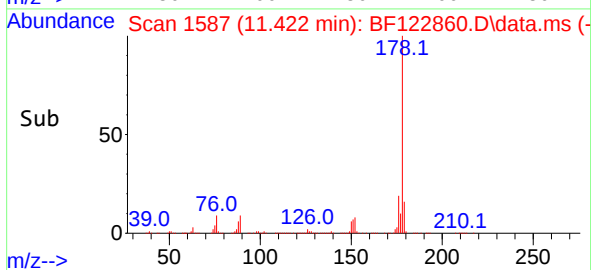
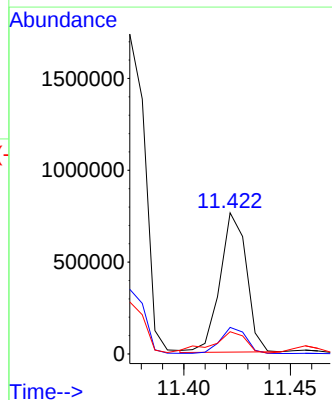
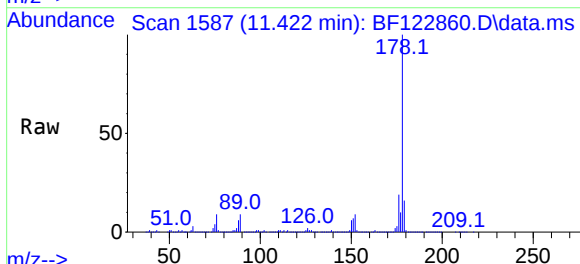
Manual Integrations
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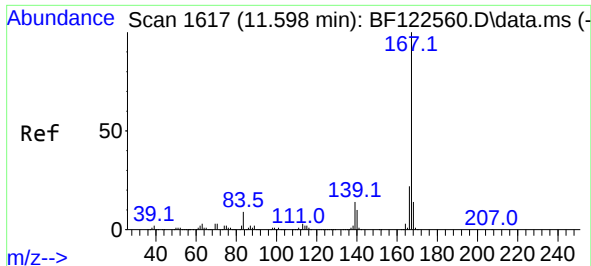
mohammad
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#72
Anthracene
Concen: 35.89 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42

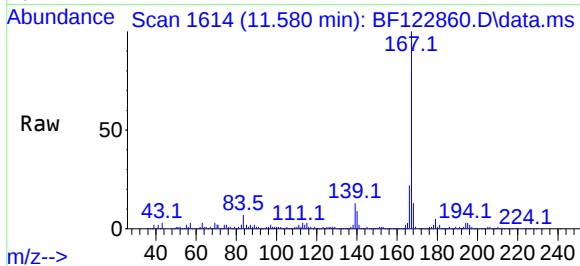
Tgt Ion:178 Resp: 657348
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 15.8 12.8 19.2





#73
 Carbazole
 Concen: 12.30 ng
 RT: 11.580 min Scan# 1614
 Delta R.T. 0.006 min
 Lab File: BF122860.D
 Acq: 24 Dec 2020 17:42

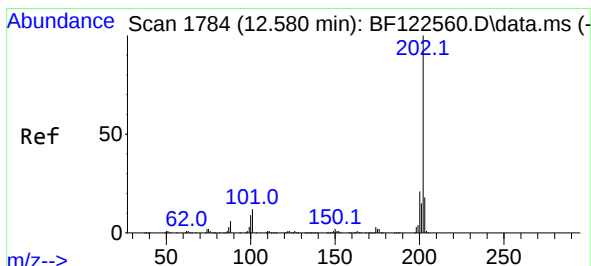
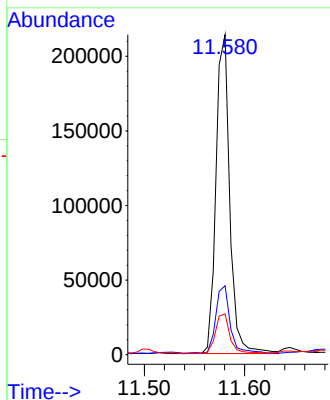
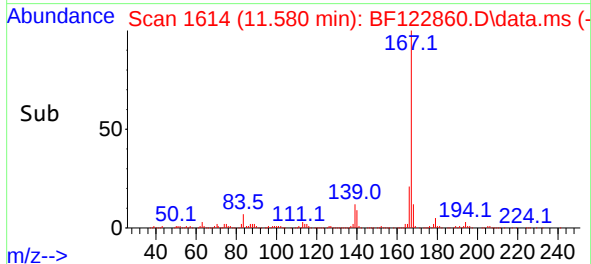
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-122320



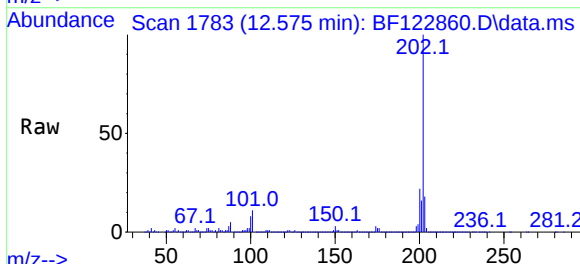
Tgt Ion:167 Resp: 204260
 Ion Ratio Lower Upper
 167 100
 166 21.5 18.0 27.0
 139 12.7 10.9 16.3

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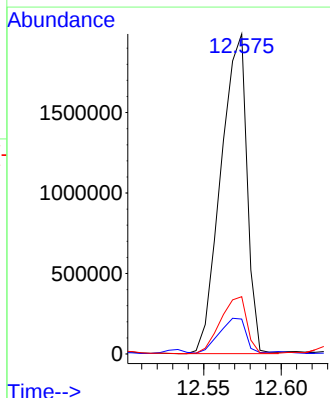
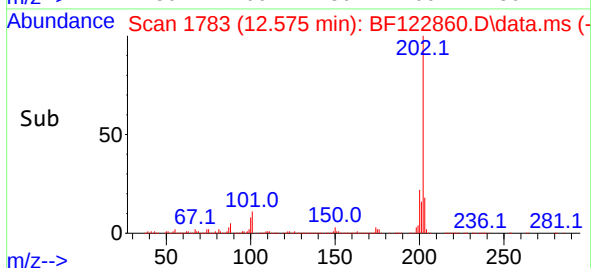
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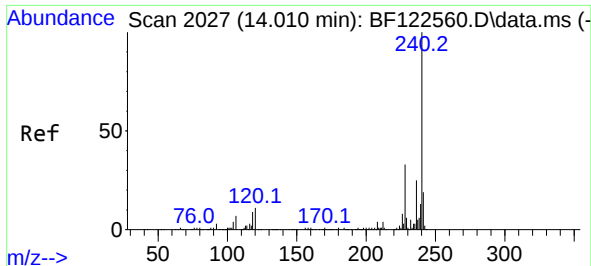


#75
 Fluoranthene
 Concen: 120.14 ng
 RT: 12.575 min Scan# 1783
 Delta R.T. 0.018 min
 Lab File: BF122860.D
 Acq: 24 Dec 2020 17:42



Tgt Ion:202 Resp: 2327315
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 32.2
 203 17.9 0.0 38.1





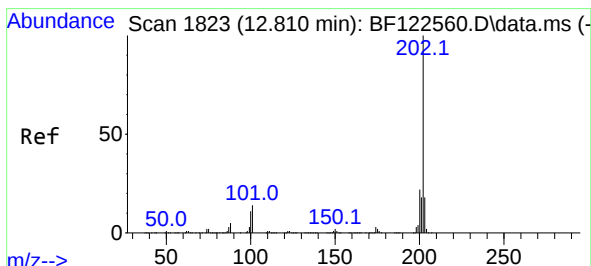
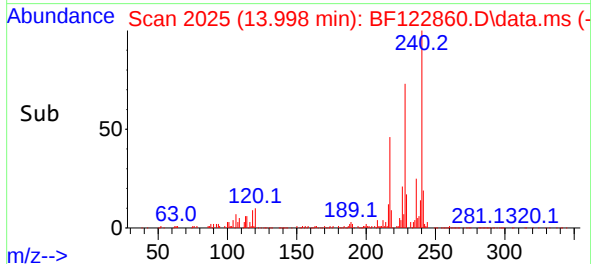
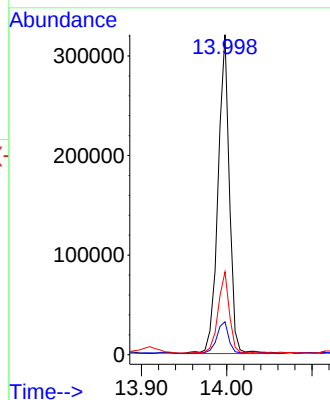
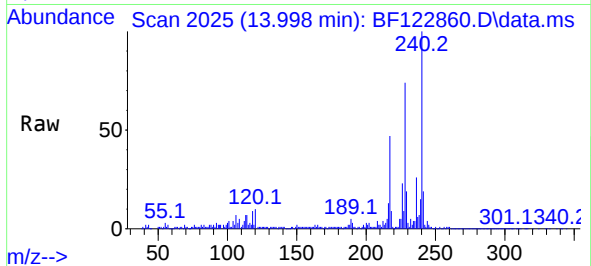
#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.012 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42

Tgt Ion:240 Resp: 296820
Ion Ratio Lower Upper
240 100
120 10.3 8.6 12.8
236 25.9 20.3 30.5

Instrument :
BNA_F
ClientSampleId :
OR-03-122320

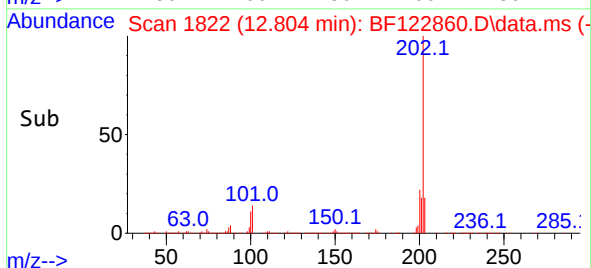
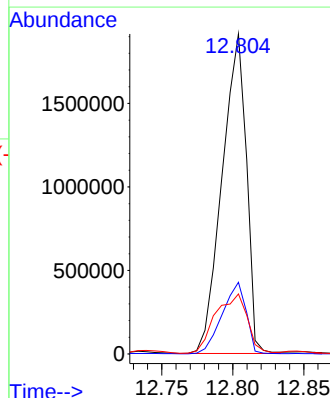
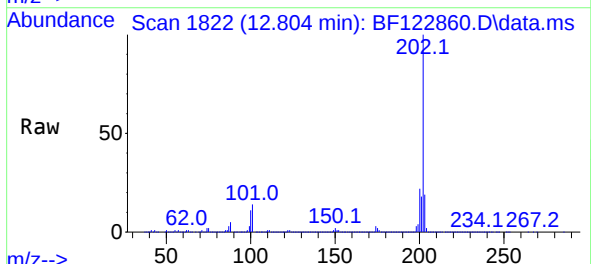
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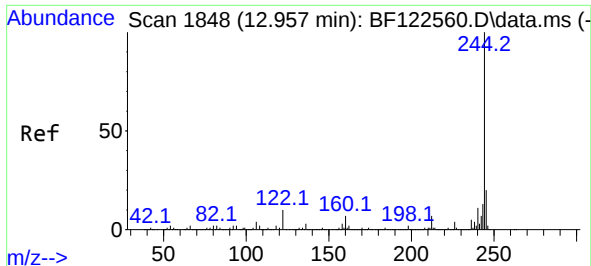
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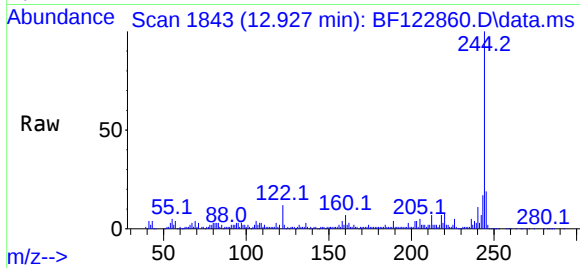
#78
Pyrene
Concen: 99.38 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.018 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42

Tgt Ion:202 Resp: 2280751
Ion Ratio Lower Upper
202 100
200 22.4 17.6 26.4
203 18.7 14.6 21.8

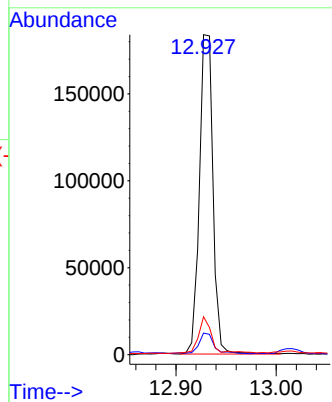
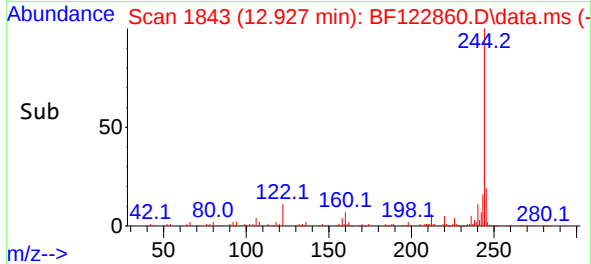




#79
Terphenyl-d14
Concen: 10.23 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42



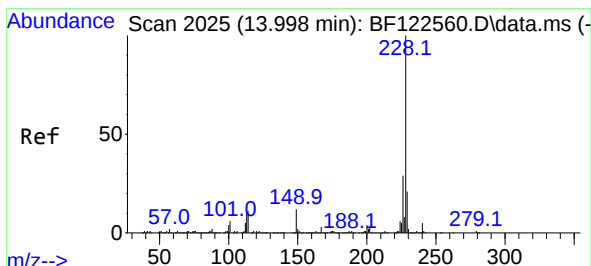
Tgt Ion:244 Resp: 173393
Ion Ratio Lower Upper
244 100
212 6.7 5.7 8.5
122 11.9 8.3 12.5



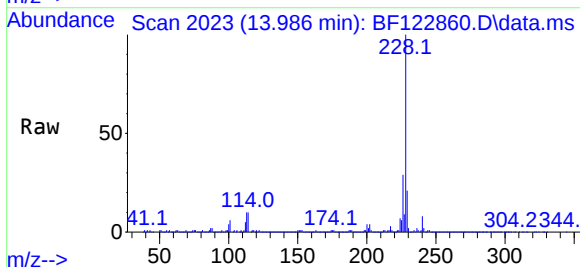
Instrument :
BNA_F
ClientSampleId :
OR-03-122320

Manual Integrations
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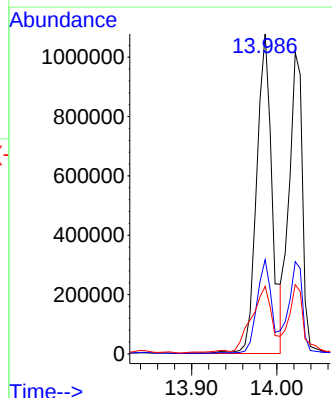
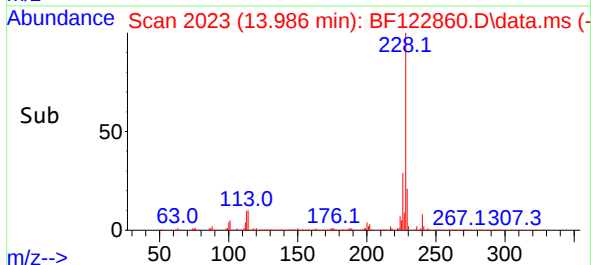
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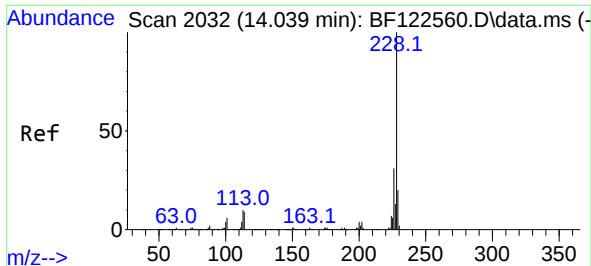


#81
Benzo(a)anthracene
Concen: 68.17 ng
RT: 13.986 min Scan# 2023
Delta R.T. 0.012 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42



Tgt Ion:228 Resp: 1352210
Ion Ratio Lower Upper
228 100
226 29.4 23.0 34.4
229 21.1 16.6 24.8





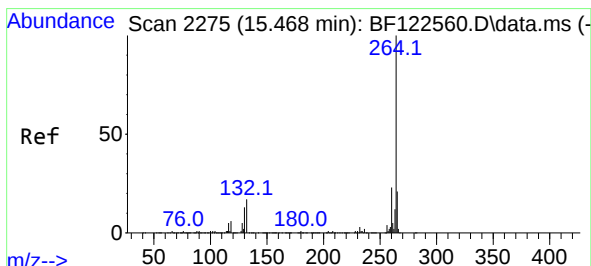
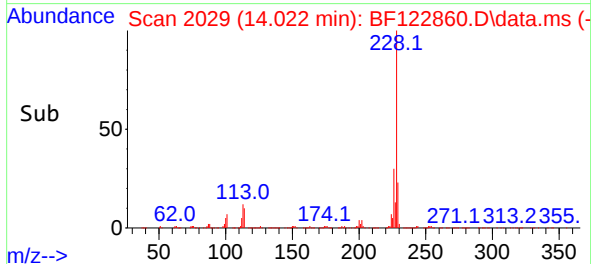
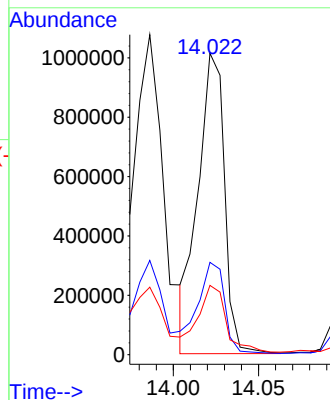
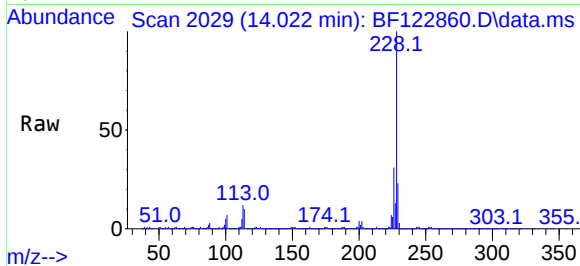
#83
Chrysene
Concen: 55.62 ng
RT: 14.022 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42

Tgt Ion:228 Resp: 1097923
Ion Ratio Lower Upper
228 100
226 30.6 24.6 36.8
229 23.0 15.8 23.6

Instrument :
BNA_F
ClientSampleId :
OR-03-122320

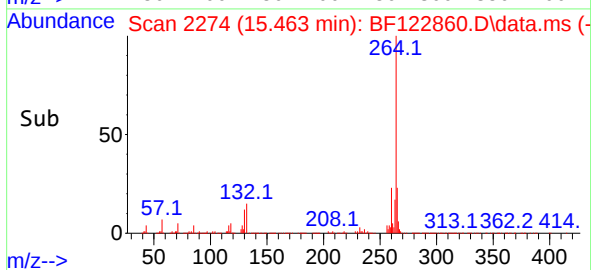
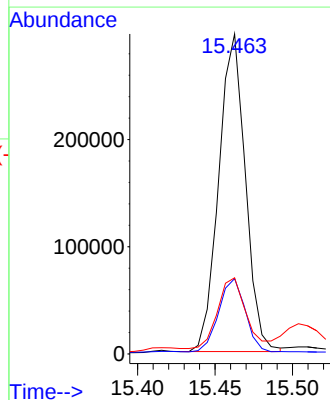
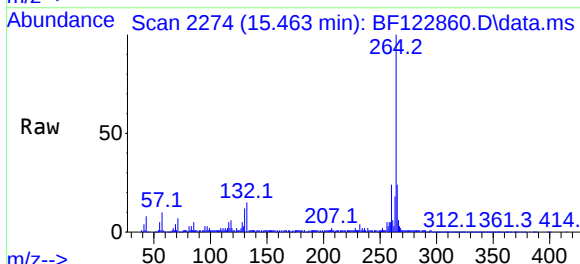
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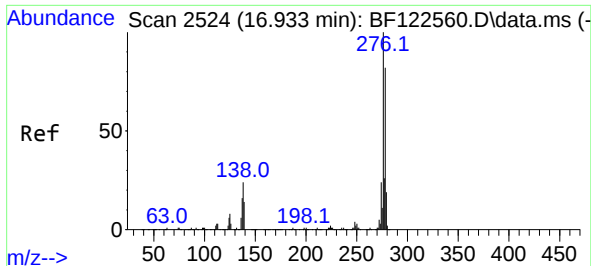
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.463 min Scan# 2274
Delta R.T. 0.024 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42

Tgt Ion:264 Resp: 354083
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 23.8 17.0 25.6





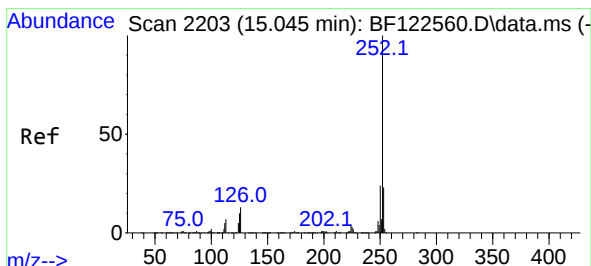
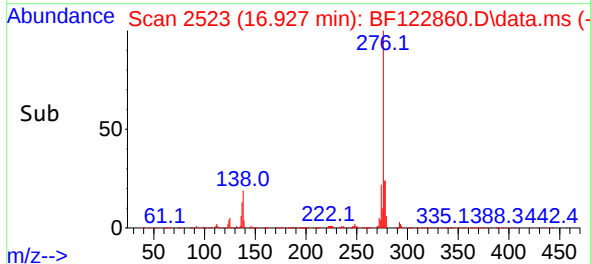
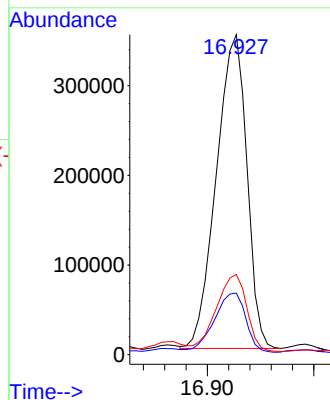
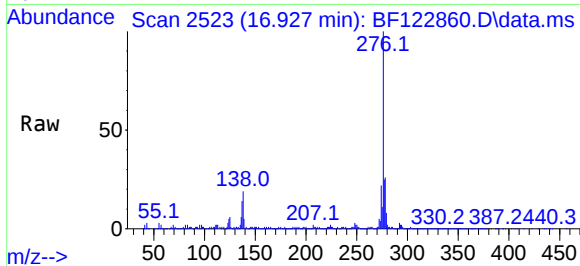
#87
Indeno(1,2,3-cd)pyrene
Concen: 29.93 ng
RT: 16.927 min Scan# 2523
Delta R.T. 0.035 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42

Tgt Ion:276 Resp: 695643
Ion Ratio Lower Upper
276 100
138 19.8 18.7 28.1
277 24.7 20.2 30.4

Instrument :
BNA_F
ClientSampleId :
OR-03-122320

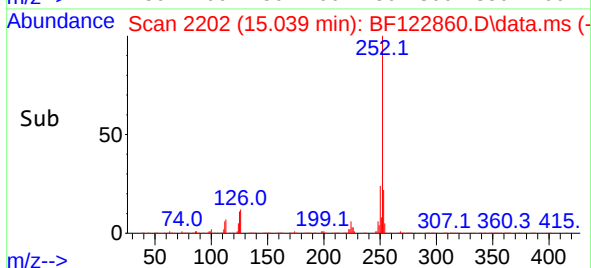
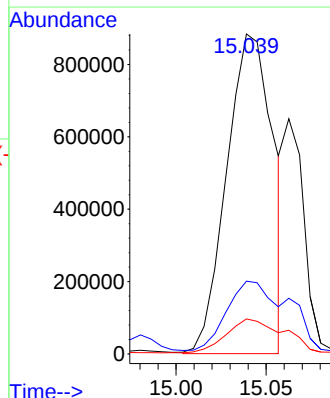
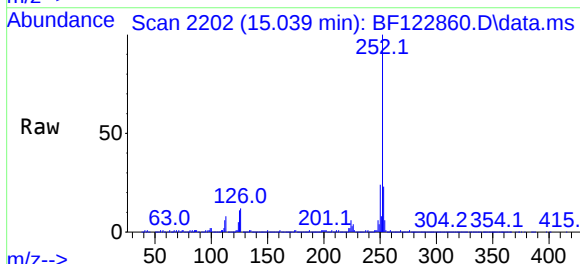
Manual Integrations
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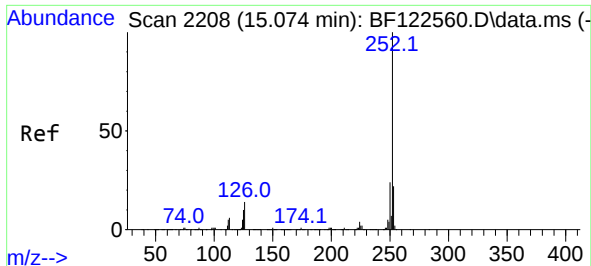
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#88
Benzo(b)fluoranthene
Concen: 63.53 ng m
RT: 15.039 min Scan# 2202
Delta R.T. 0.018 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42

Tgt Ion:252 Resp: 1578258
Ion Ratio Lower Upper
252 100
253 22.8 18.3 27.5
125 11.0 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 21.89 ng m

RT: 15.063 min Scan# 2206

Delta R.T. 0.012 min

Lab File: BF122860.D

Acq: 24 Dec 2020 17:42

Tgt Ion:252	Resp: 497128		
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.8	26.8
125	10.1	8.4	12.6

Instrument :

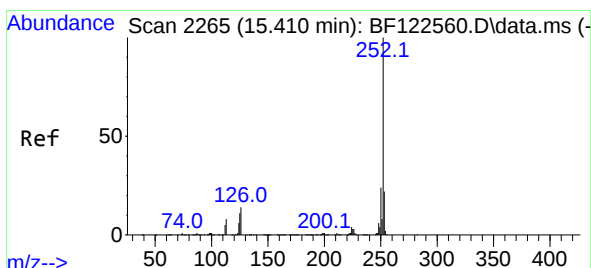
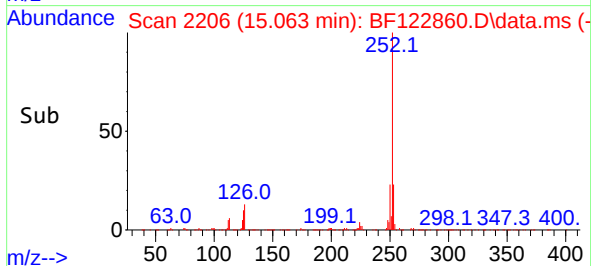
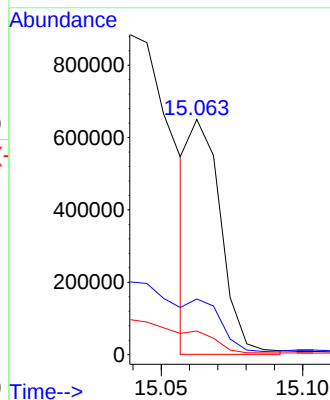
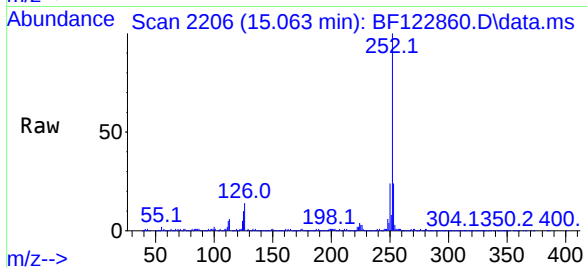
BNA_F

ClientSampleId :

OR-03-122320

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#90

Benzo(a)pyrene

Concen: 56.95 ng

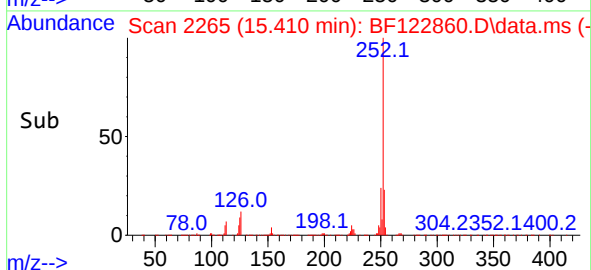
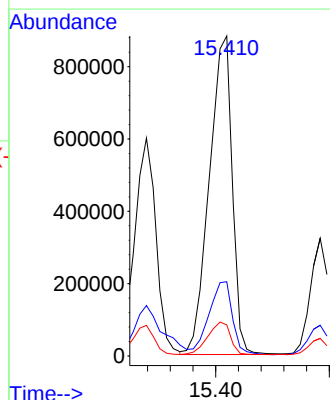
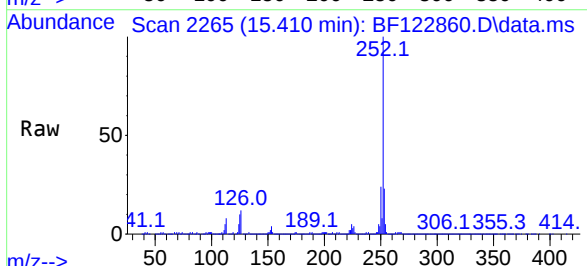
RT: 15.410 min Scan# 2265

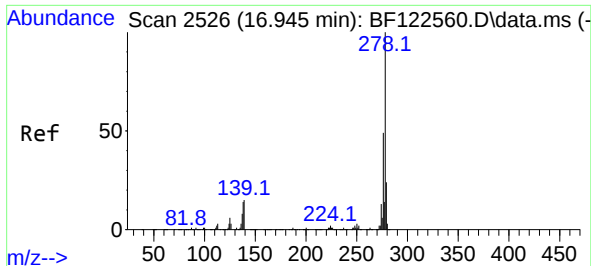
Delta R.T. 0.029 min

Lab File: BF122860.D

Acq: 24 Dec 2020 17:42

Tgt Ion:252	Resp: 1237685		
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	9.7	8.6	12.8





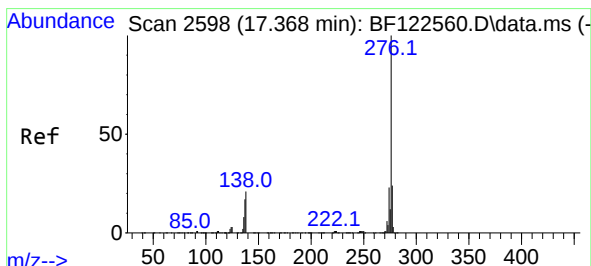
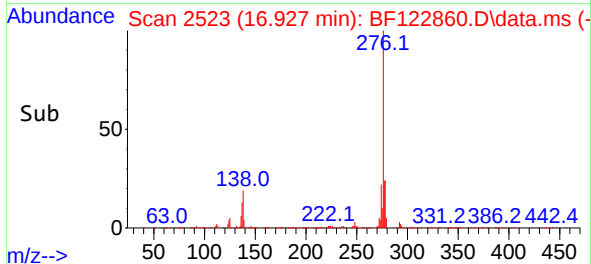
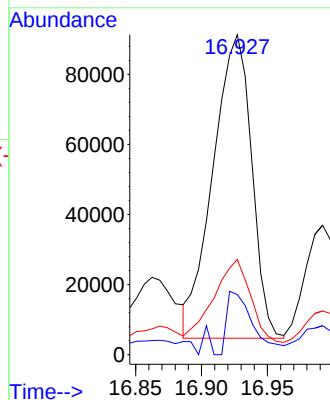
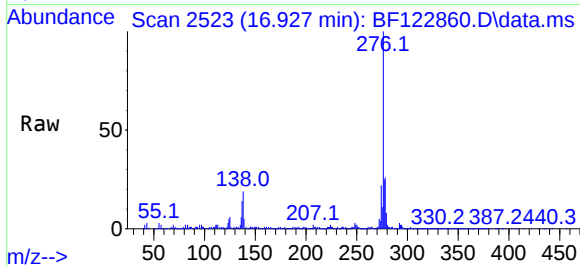
#91
Dibenzo(a,h)anthracene
Concen: 9.30 ng m
RT: 16.927 min Scan# 2523
Delta R.T. 0.023 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42

Tgt Ion:278 Resp: 176820
Ion Ratio Lower Upper
278 100
139 18.8 12.0 18.0#
279 29.8 19.4 29.2#

Instrument :
BNA_F
ClientSampleId :
OR-03-122320

Manual Integrations
APPROVED

mohammad
12/28/2020 11:07:44 PM



#92
Benzo(g,h,i)perylene
Concen: 37.20 ng
RT: 17.368 min Scan# 2598
Delta R.T. 0.041 min
Lab File: BF122860.D
Acq: 24 Dec 2020 17:42

Tgt Ion:276 Resp: 684837
Ion Ratio Lower Upper
276 100
277 24.5 19.3 28.9
138 20.0 16.6 24.8

