

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
 Data File : BF123473.D
 Acq On : 25 Mar 2021 21:28
 Operator : JU/CG
 Sample : M1730-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8A

Manual Integrations
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Quant Time: Mar 26 00:39:50 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 25 17:06:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	247138	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	877693	20.00	ng	# 0.00
39) Acenaphthene-d10	9.945	164	433950	20.00	ng	0.00
64) Phenanthrene-d10	11.433	188	627389	20.00	ng	0.00
76) Chrysene-d12	14.086	240	453545	20.00	ng	0.00
86) Perylene-d12	15.580	264	396962	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	626062	41.44	ng	0.00
7) Phenol-d6	6.516	99	774056	38.49	ng	-0.01
23) Nitrobenzene-d5	7.457	82	495171	30.45	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	163240	33.65	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	728526	23.98	ng	0.00
79) Terphenyl-d14	13.021	244	519779	19.42	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.204	128	378132	8.01	ng	99
37) 2-Methylnaphthalene	8.898	142	179289	5.54	ng	96
38) 1-Methylnaphthalene	8.998	142	166816	5.49	ng	95
52) Acenaphthene	9.975	154	166206	6.24	ng	99
55) Dibenzofuran	10.145	168	117485	3.07	ng	# 96
58) Fluorene	10.492	166	185678	6.42	ng	97
71) Phenanthrene	11.463	178	1765018	50.89	ng	100
72) Anthracene	11.510	178	280139	8.03	ng	99
73) Carbazole	11.657	167	147231	4.47	ng	99
75) Fluoranthene	12.657	202	1561023	41.57	ng	99
78) Pyrene	12.886	202	1432505	36.61	ng	99
81) Benzo(a)anthracene	14.074	228	667202	22.48	ng	98
83) Chrysene	14.110	228	700451m	22.86	ng	
87) Indeno(1,2,3-cd)pyrene	17.086	276	175990	7.13	ng	97
88) Benzo(b)fluoranthene	15.145	252	643978m	23.51	ng	
89) Benzo(k)fluoranthene	15.168	252	160129m	6.19	ng	
90) Benzo(a)pyrene	15.515	252	422744	17.88	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	53830m	2.57	ng	
92) Benzo(g,h,i)perylene	17.545	276	143142	6.83	ng	100

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

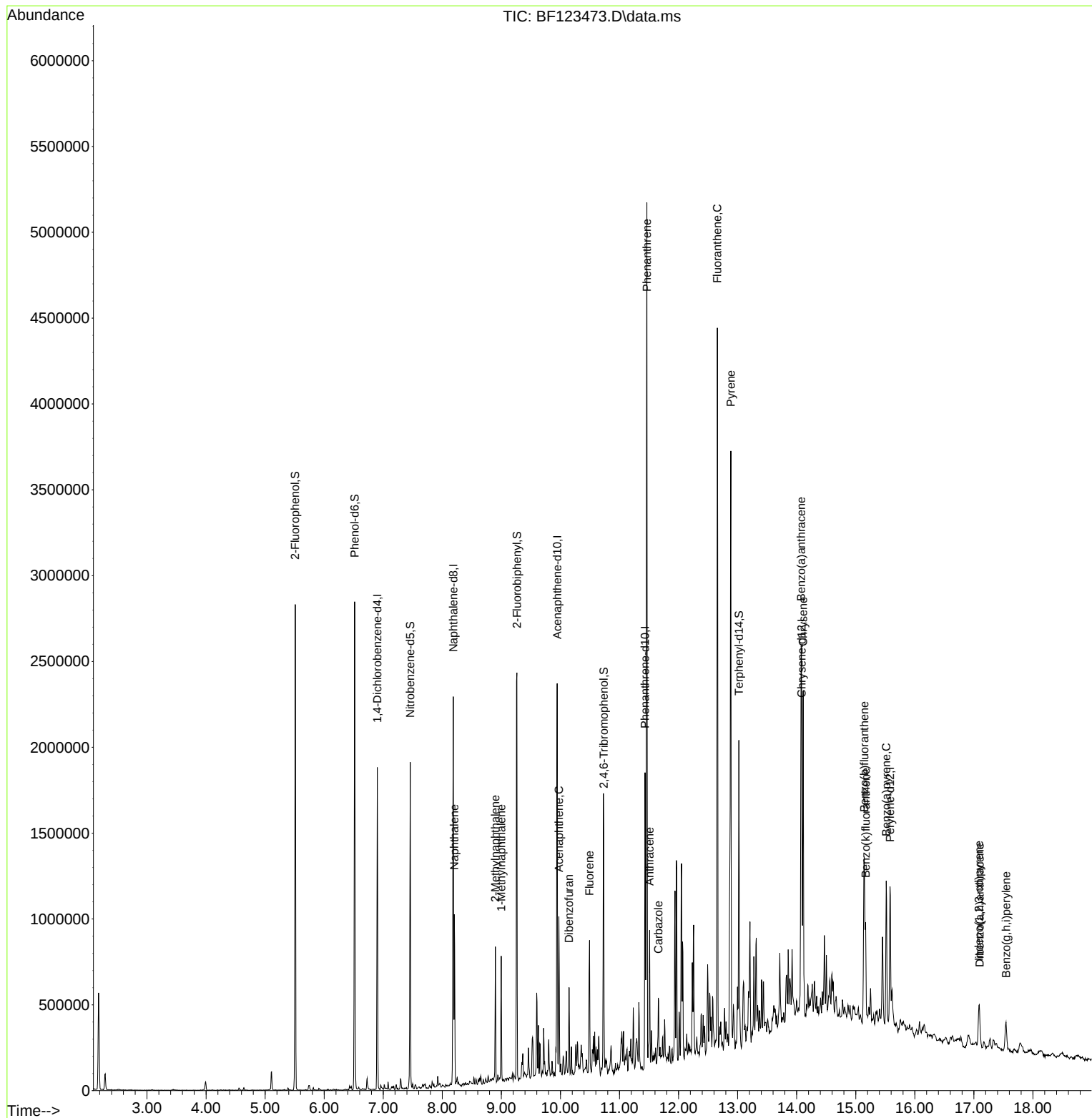
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
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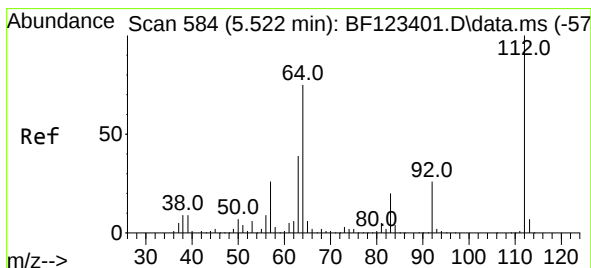
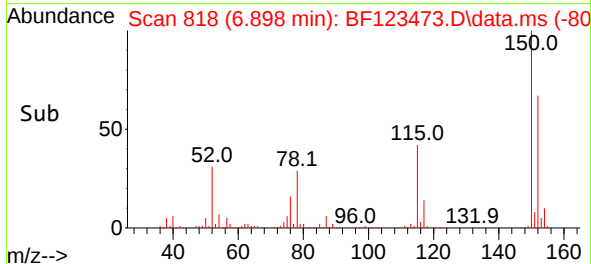
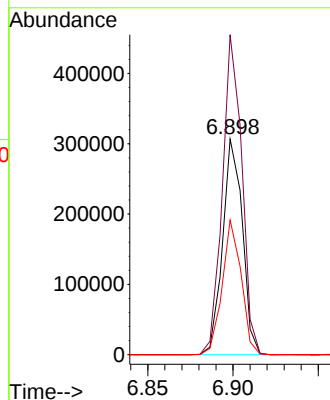
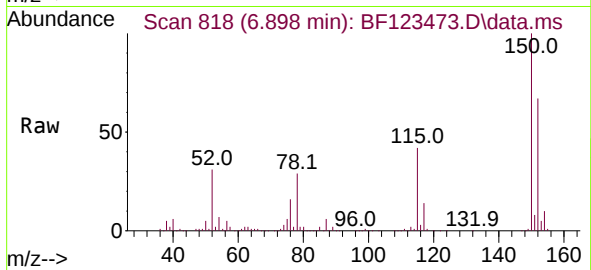
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1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.898 min Scan# 818
Delta R.T. 0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion:152 Resp: 247138
Ion Ratio Lower Upper
152 100
150 148.4 125.8 188.6
115 62.5 49.3 73.9

Instrument :
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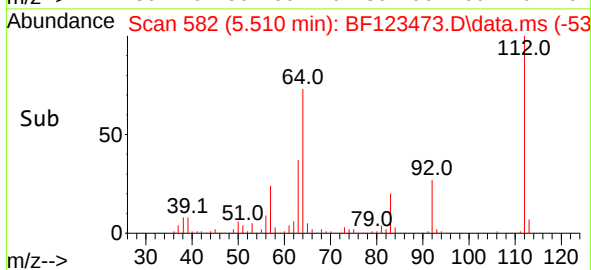
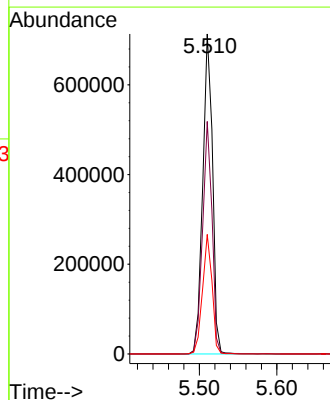
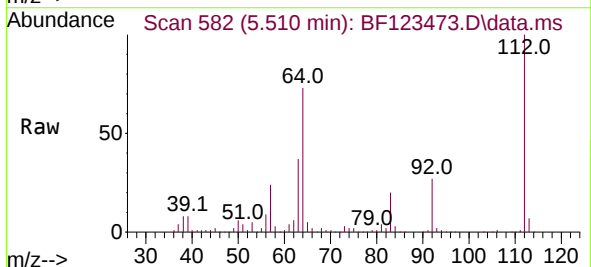
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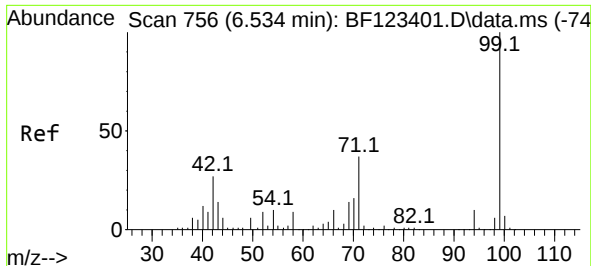
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#5
2-Fluorophenol
Concen: 41.44 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion:112 Resp: 626062
Ion Ratio Lower Upper
112 100
64 72.7 46.9 70.3#
63 37.3 24.5 36.7#





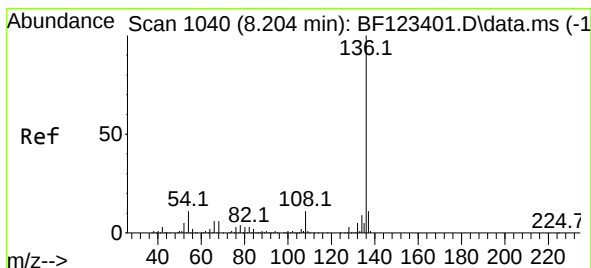
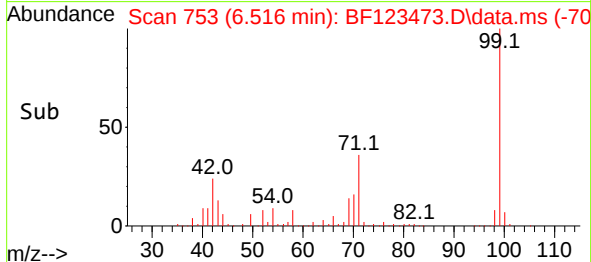
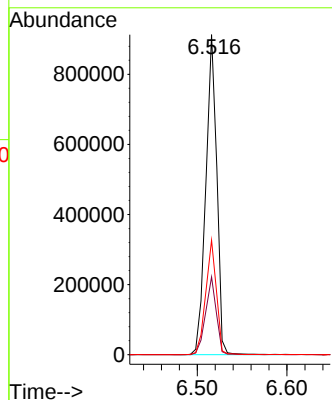
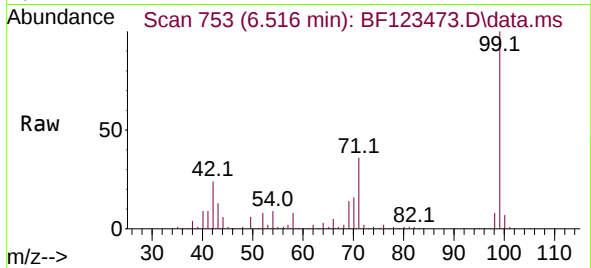
#7
Phenol-d6
Concen: 38.49 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.012 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion: 99 Resp: 774056
Ion Ratio Lower Upper
99 100
42 24.3 13.8 20.6#
71 35.8 26.9 40.3

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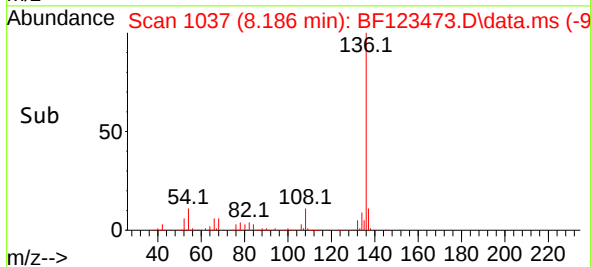
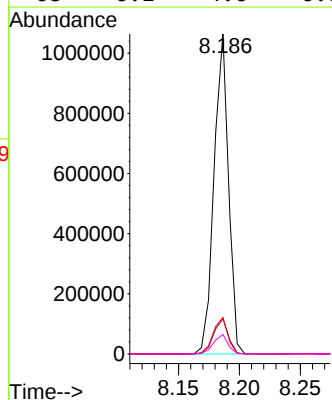
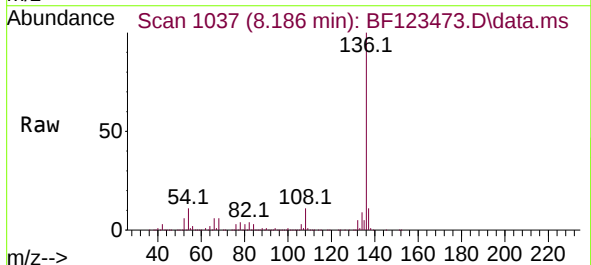
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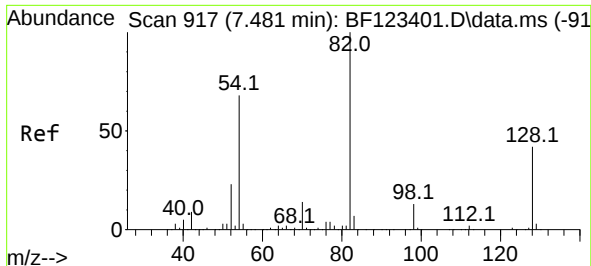
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion: 136 Resp: 877693
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 11.4 5.5 8.3#
68 6.1 4.6 6.8





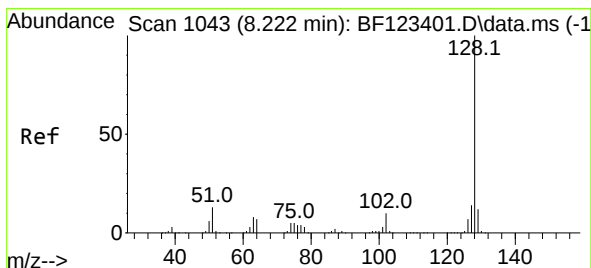
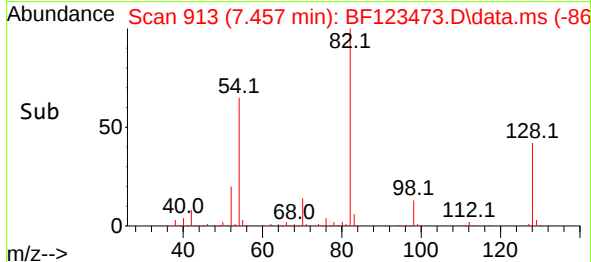
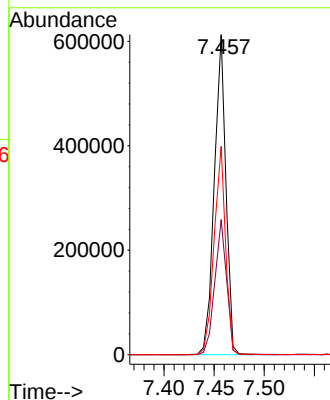
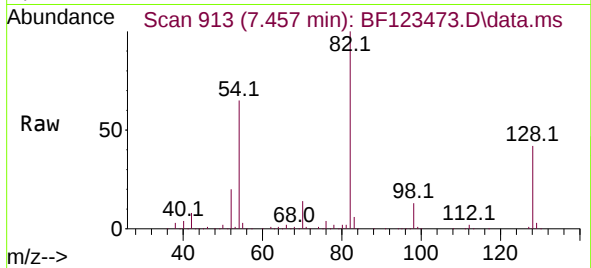
#23
Nitrobenzene-d5
Concen: 30.45 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion: 82 Resp: 495171
Ion Ratio Lower Upper
82 100
128 42.2 37.0 55.4
54 65.1 38.4 57.6#

Instrument :
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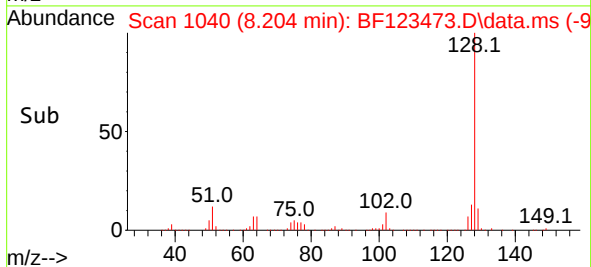
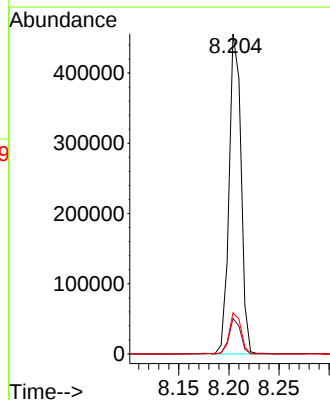
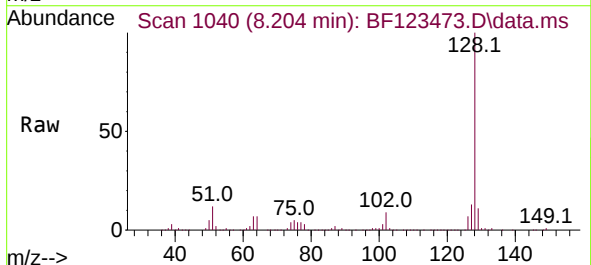
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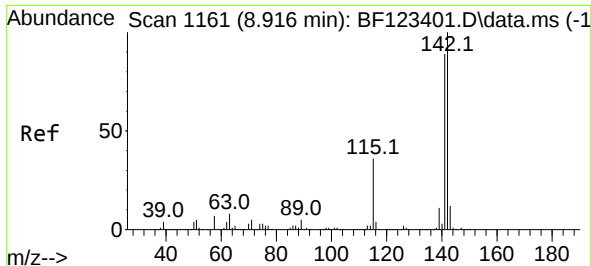
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#31
Naphthalene
Concen: 8.01 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion: 128 Resp: 378132
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 12.8 10.7 16.1





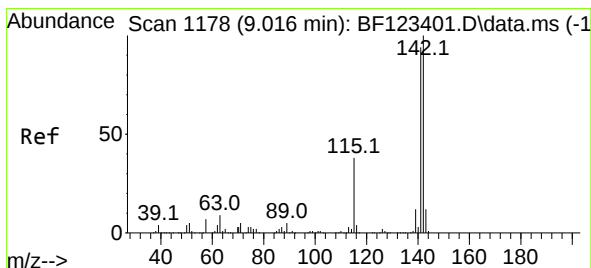
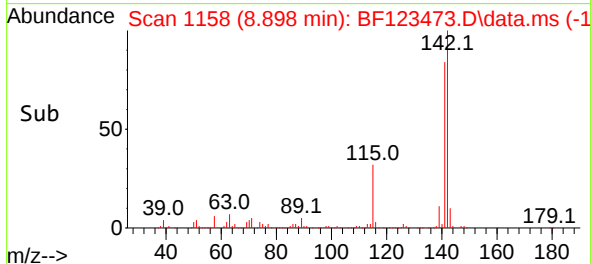
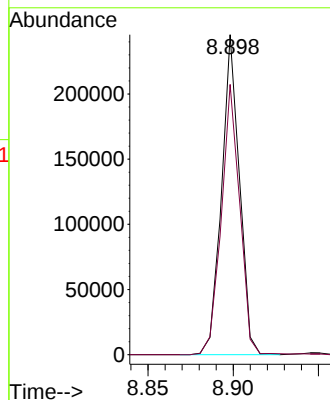
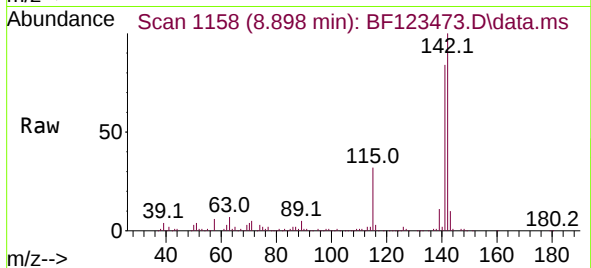
#37
2-Methylnaphthalene
Concen: 5.54 ng
RT: 8.898 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:142 Resp: 179289
Ion Ratio Lower Upper
142 100
141 84.5 70.6 106.0

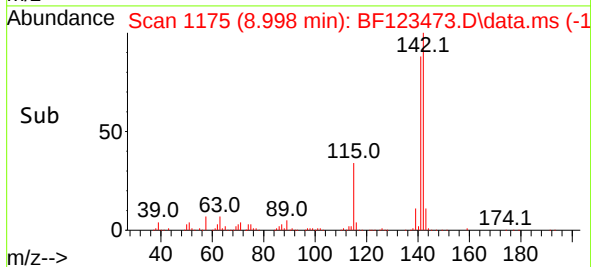
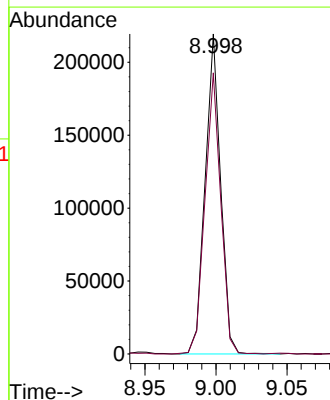
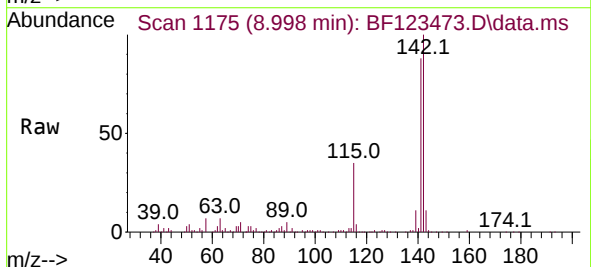
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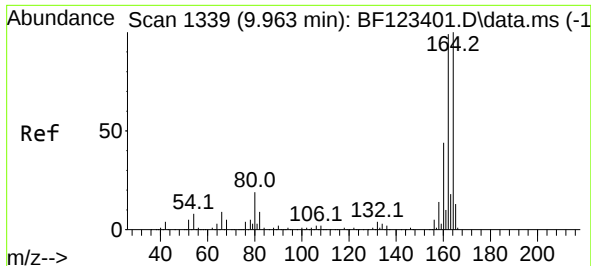
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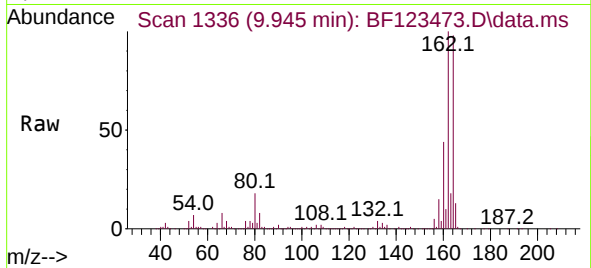
#38
1-Methylnaphthalene
Concen: 5.49 ng
RT: 8.998 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion:142 Resp: 166816
Ion Ratio Lower Upper
142 100
141 87.9 74.5 111.7

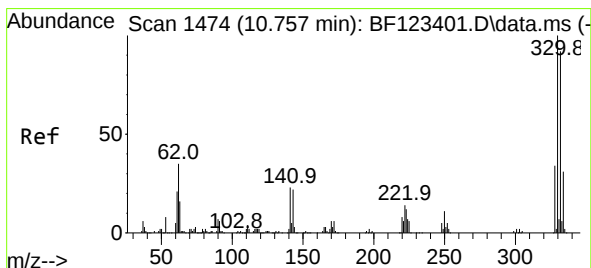
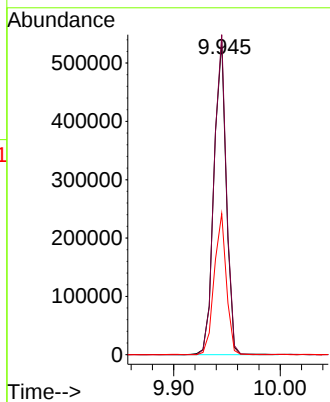
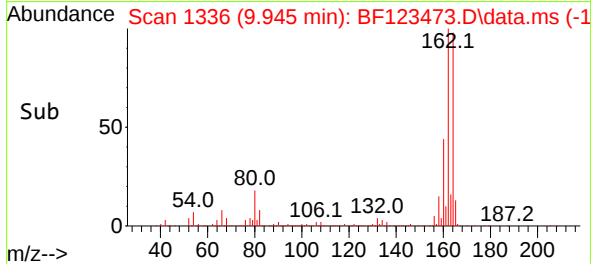




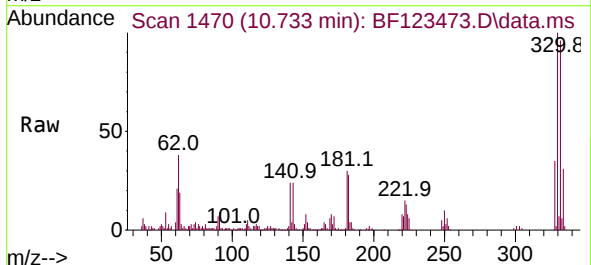
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28



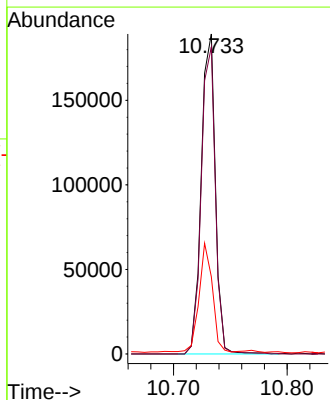
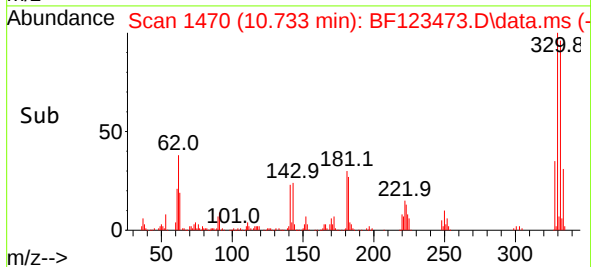
Tgt Ion:164 Resp: 433950
Ion Ratio Lower Upper
164 100
162 102.1 80.8 121.2
160 45.0 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 33.65 ng
RT: 10.733 min Scan# 1470
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28



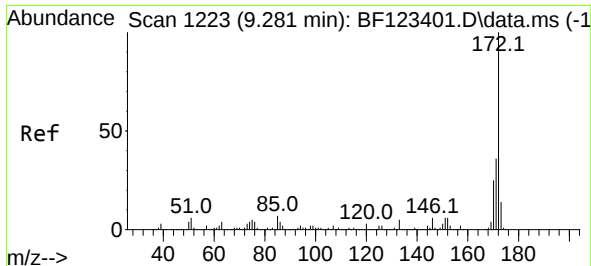
Tgt Ion:330 Resp: 163240
Ion Ratio Lower Upper
330 100
332 96.2 77.5 116.3
141 32.6 23.8 35.8



Instrument :
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#45

2-Fluorobiphenyl

Concen: 23.98 ng

RT: 9.263 min Scan# 1220

Delta R.T. -0.000 min

Lab File: BF123473.D

Acq: 25 Mar 2021 21:28

Tgt Ion:172 Resp: 728526

Ion Ratio Lower Upper

172 100

171 34.9 29.6 44.4

170 23.5 19.5 29.3

Instrument :

BNA_F

ClientSampleId :

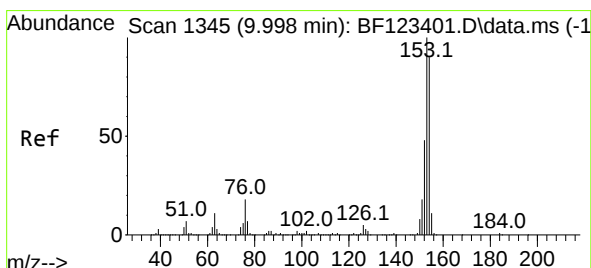
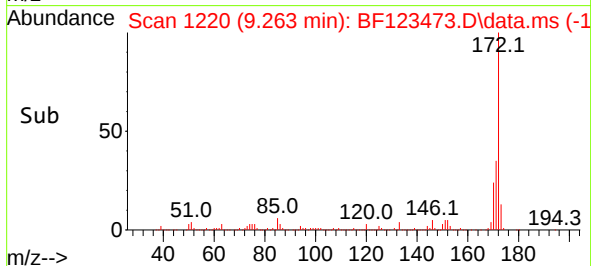
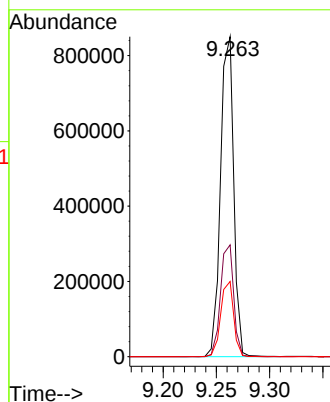
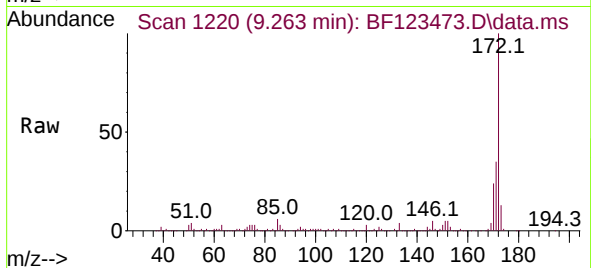
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#52

Acenaphthene

Concen: 6.24 ng

RT: 9.975 min Scan# 1341

Delta R.T. -0.006 min

Lab File: BF123473.D

Acq: 25 Mar 2021 21:28

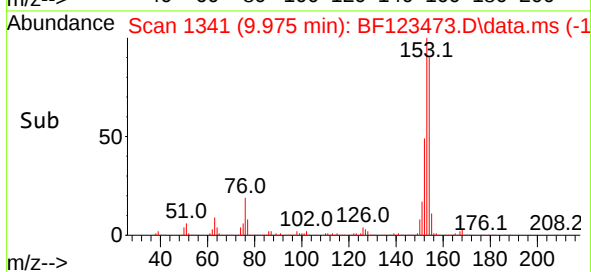
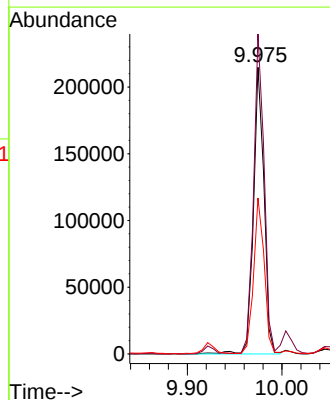
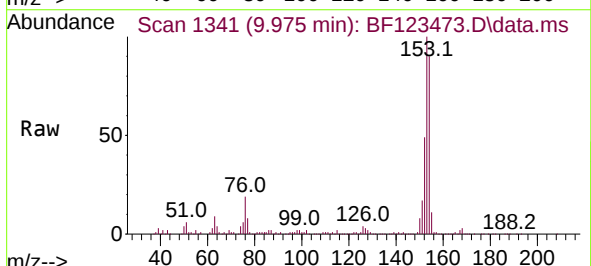
Tgt Ion:154 Resp: 166206

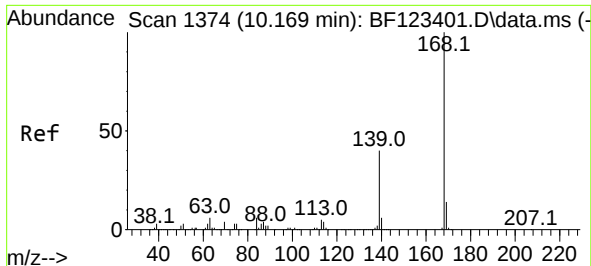
Ion Ratio Lower Upper

154 100

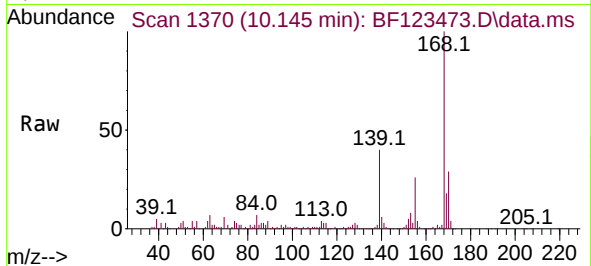
153 111.6 89.0 133.6

152 54.4 42.7 64.1





#55
Dibenzenofuran
Concen: 3.07 ng
RT: 10.145 min Scan# 1370
Delta R.T. -0.006 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

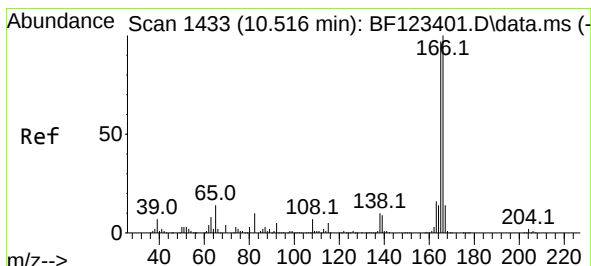
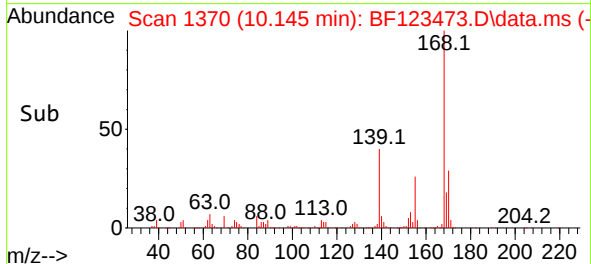
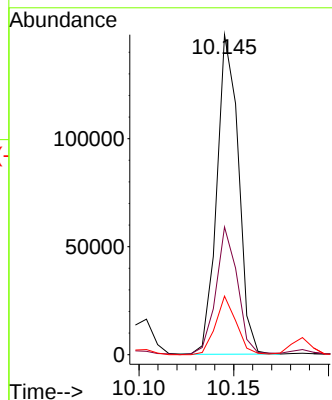


Tgt Ion:168 Resp: 117485
Ion Ratio Lower Upper
168 100
139 39.9 31.3 46.9
169 18.3 11.2 16.8#

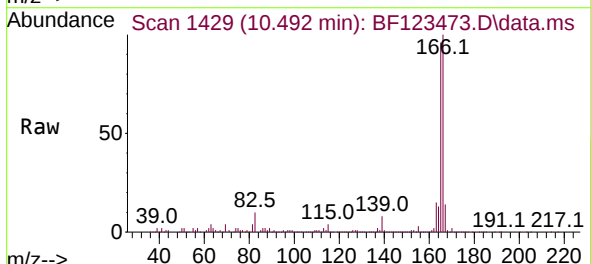
Instrument :
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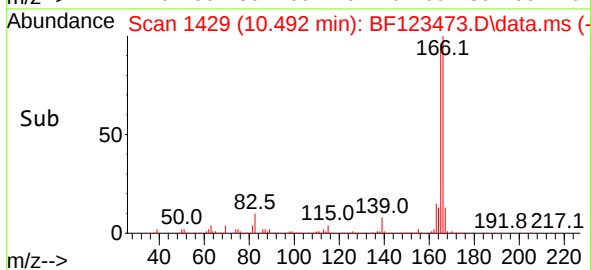
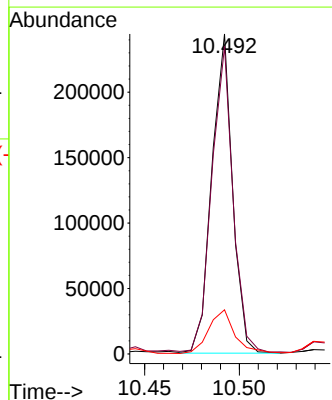
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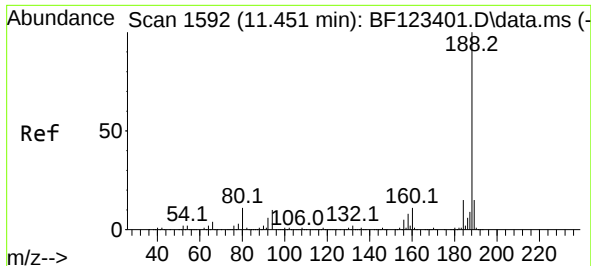


#58
Fluorene
Concen: 6.42 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28



Tgt Ion:166 Resp: 185678
Ion Ratio Lower Upper
166 100
165 96.1 79.4 119.0
167 13.8 10.9 16.3





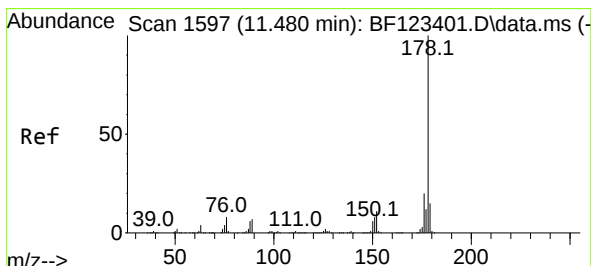
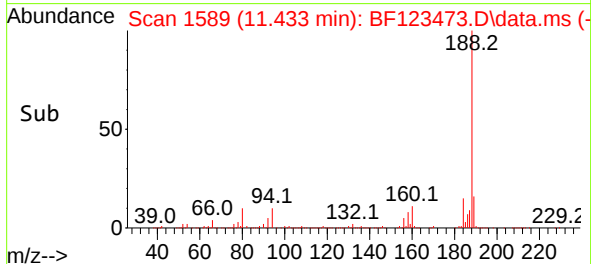
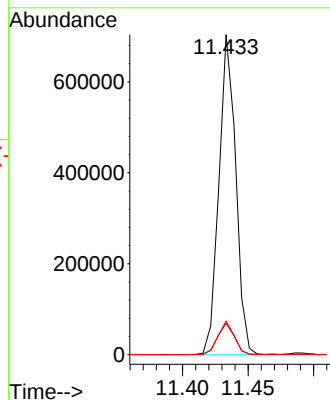
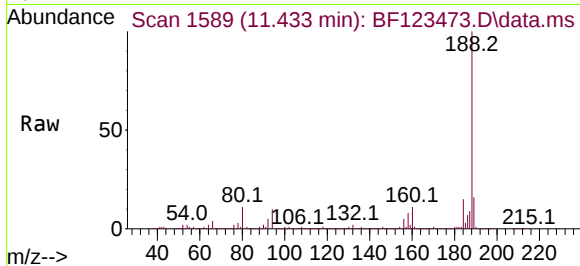
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Instrument :
BNA_F
ClientSampleId :
TP-8A

Tgt Ion:188 Resp: 627389
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.2
80 10.5 8.2 12.4

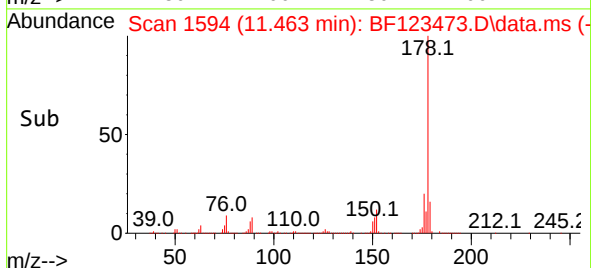
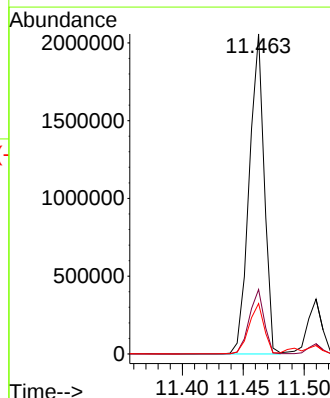
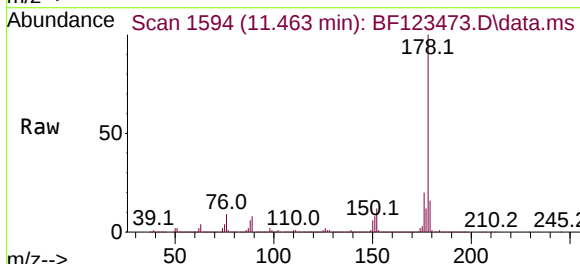
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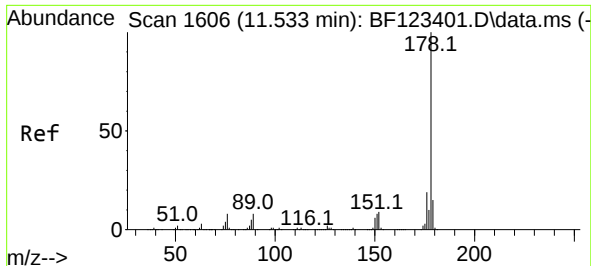
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#71
Phenanthrene
Concen: 50.89 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion:178 Resp: 1765018
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.2
179 15.8 12.7 19.1





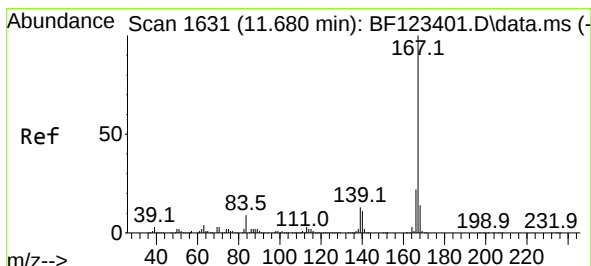
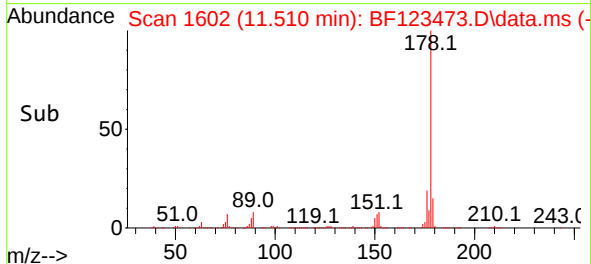
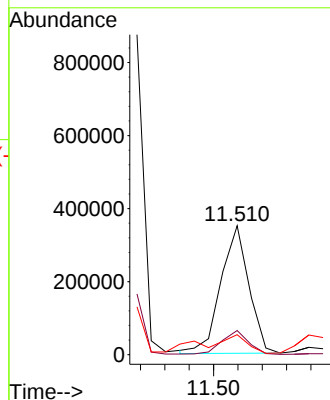
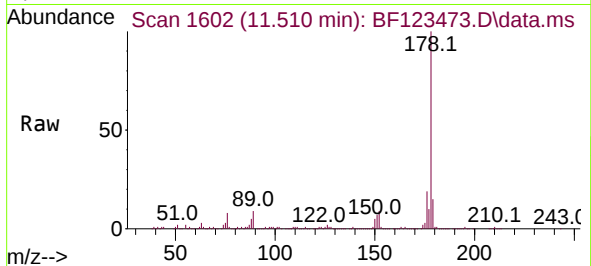
#72
 Anthracene
 Concen: 8.03 ng
 RT: 11.510 min Scan# 1602
 Delta R.T. -0.000 min
 Lab File: BF123473.D
 Acq: 25 Mar 2021 21:28

Tgt Ion:178 Resp: 280139
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.6 23.4
 179 15.5 12.8 19.2

Instrument :
 BNA_F
 ClientSampleId :
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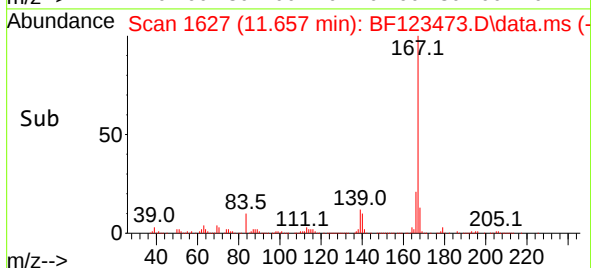
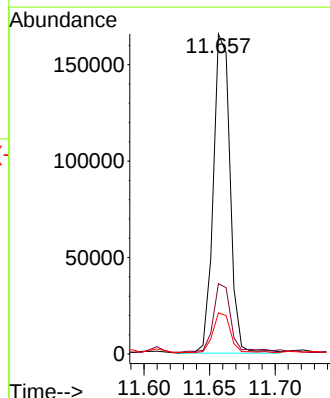
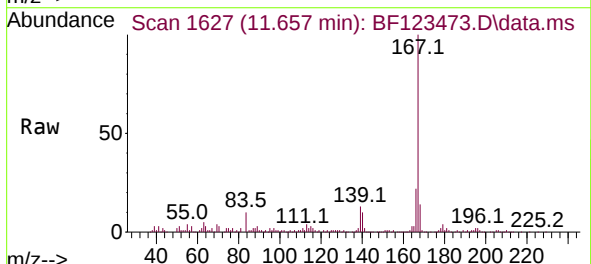
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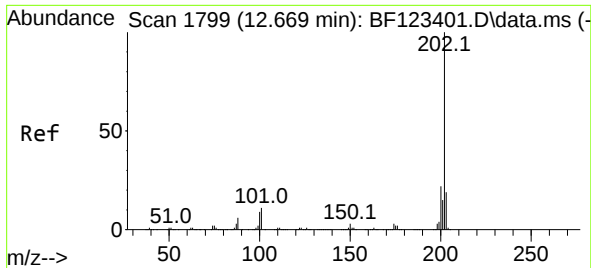
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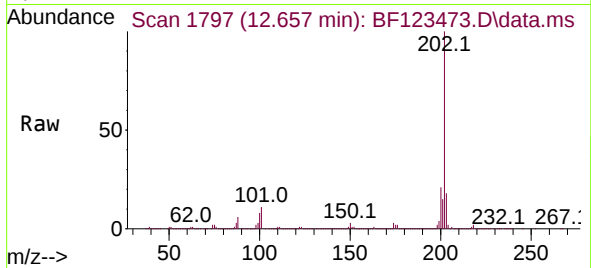
#73
 Carbazole
 Concen: 4.47 ng
 RT: 11.657 min Scan# 1627
 Delta R.T. -0.006 min
 Lab File: BF123473.D
 Acq: 25 Mar 2021 21:28

Tgt Ion:167 Resp: 147231
 Ion Ratio Lower Upper
 167 100
 166 21.9 18.0 27.0
 139 12.9 10.9 16.3

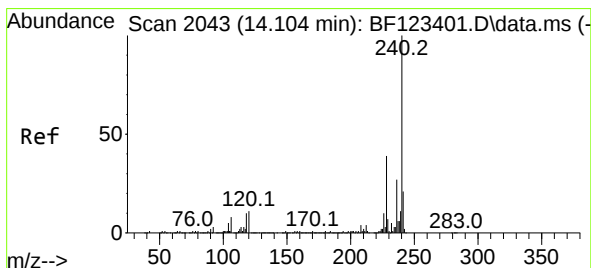
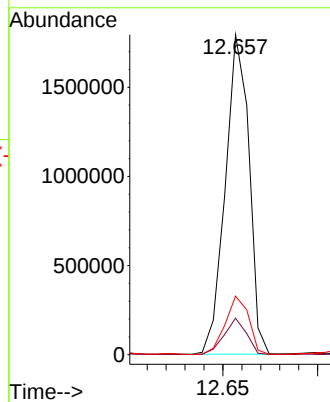
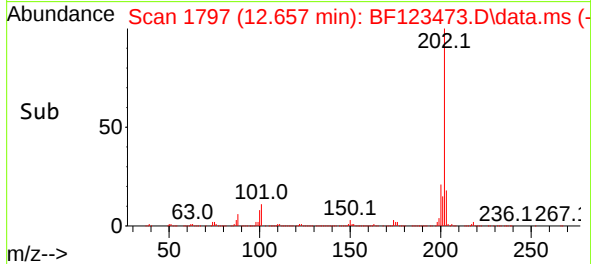




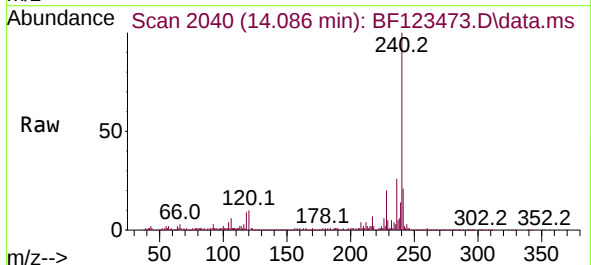
#75
Fluoranthene
Concen: 41.57 ng
RT: 12.657 min Scan# 1797
Delta R.T. 0.006 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28



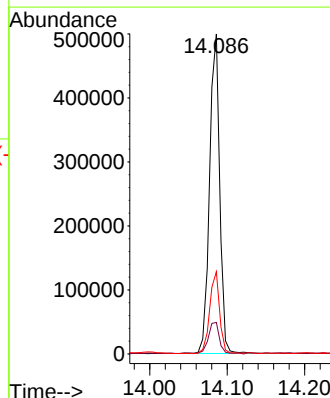
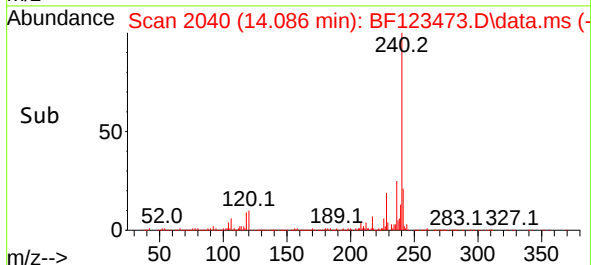
Tgt Ion:202 Resp: 1561023
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.2
203 18.3 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.086 min Scan# 2040
Delta R.T. 0.006 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28



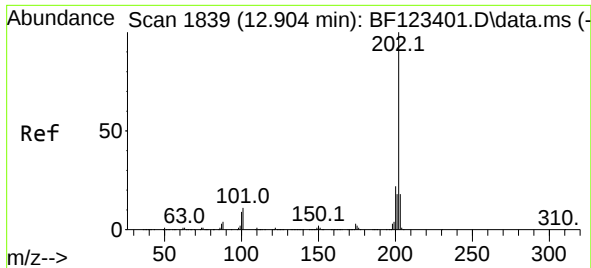
Tgt Ion:240 Resp: 453545
Ion Ratio Lower Upper
240 100
120 9.9 8.6 12.8
236 25.7 20.3 30.5



Instrument :
BNA_F
ClientSampled :
TP-8A

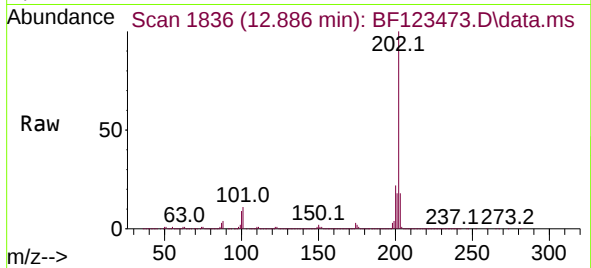
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#78
Pyrene
Concen: 36.61 ng
RT: 12.886 min Scan# 1836
Delta R.T. 0.006 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

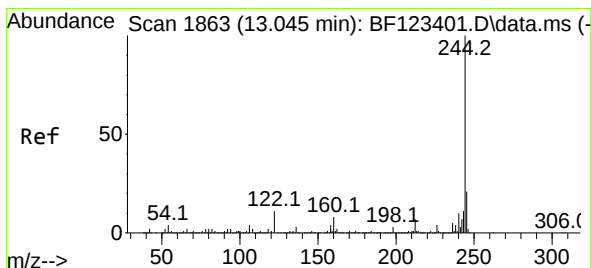
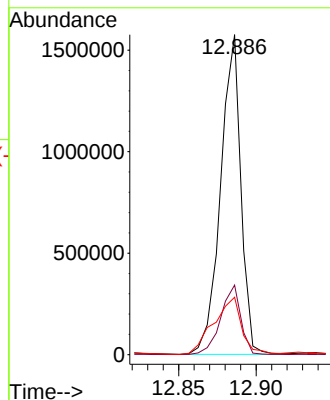
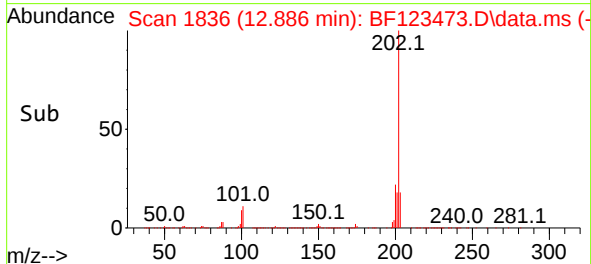
Instrument :
BNA_F
ClientSampleId :
TP-8A



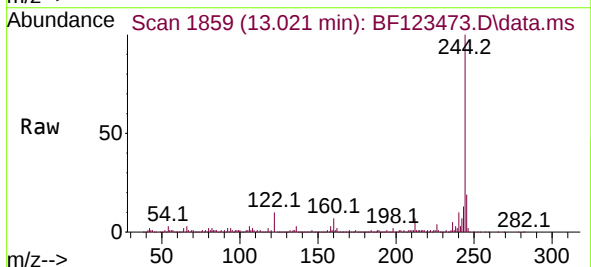
Tgt Ion:202 Resp: 1432505
Ion Ratio Lower Upper
202 100
200 21.7 17.6 26.4
203 18.0 14.6 21.8

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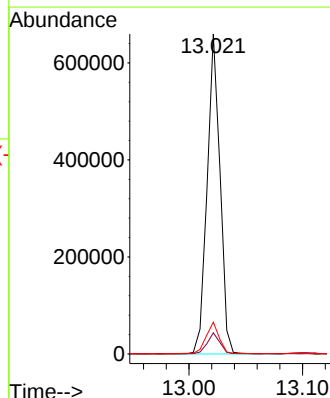
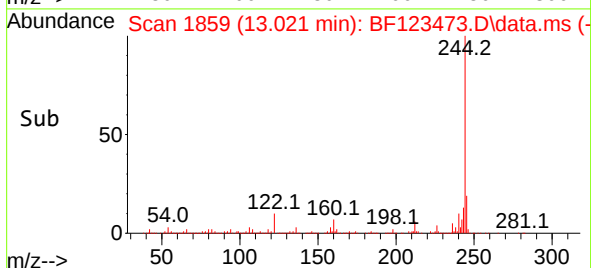
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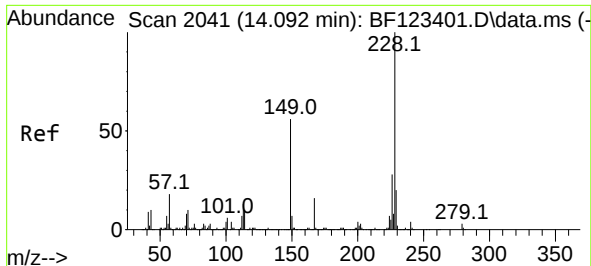


#79
Terphenyl-d14
Concen: 19.42 ng
RT: 13.021 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28



Tgt Ion:244 Resp: 519779
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 10.0 8.3 12.5





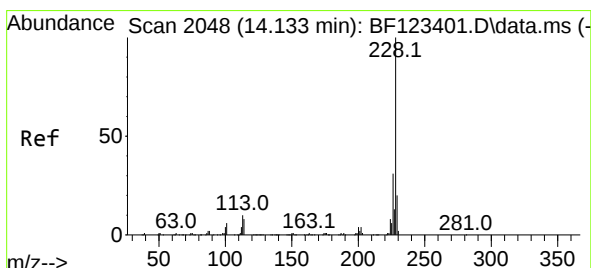
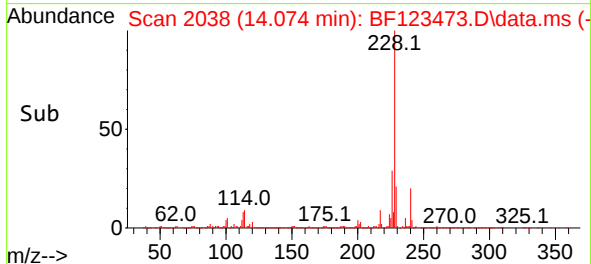
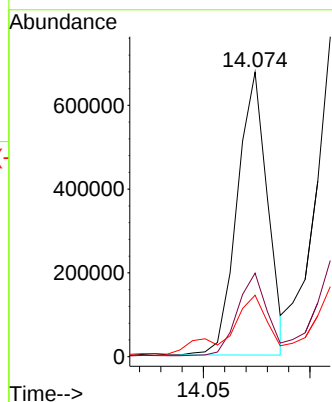
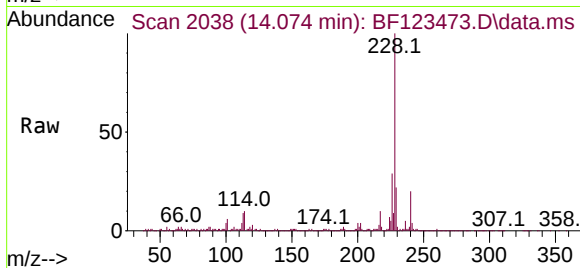
#81
Benzo(a)anthracene
Concen: 22.48 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion:228 Resp: 667202
Ion Ratio Lower Upper
228 100
226 29.4 23.0 34.4
229 21.6 16.6 24.8

Instrument :
BNA_F
ClientSampled :
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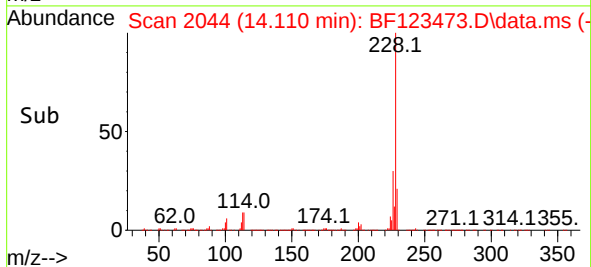
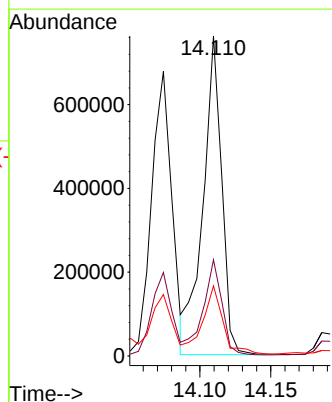
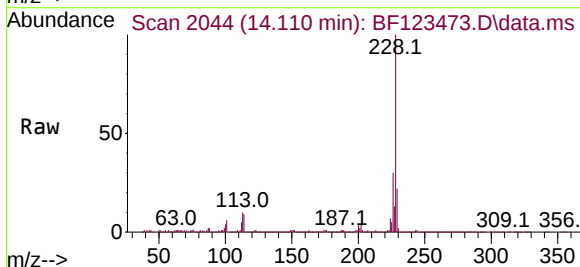
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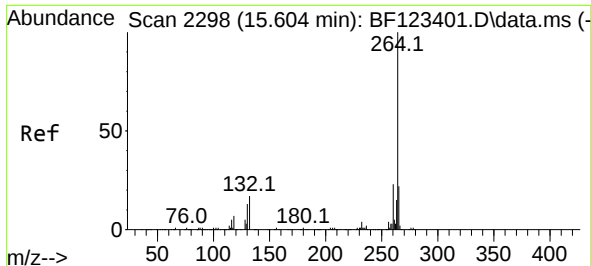
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#83
Chrysene
Concen: 22.86 ng m
RT: 14.110 min Scan# 2044
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

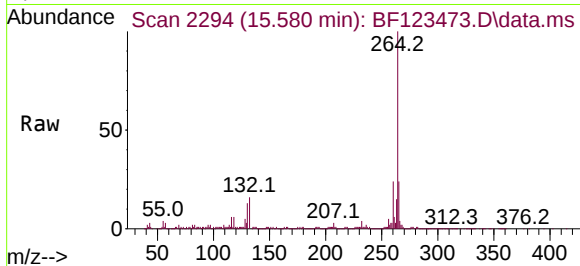
Tgt Ion:228 Resp: 700451
Ion Ratio Lower Upper
228 100
226 30.1 24.6 36.8
229 21.9 15.8 23.6





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.580 min Scan# 2294
Delta R.T. 0.006 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

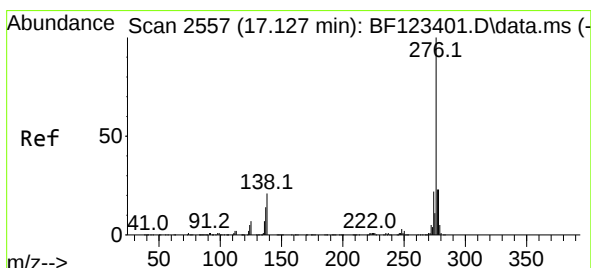
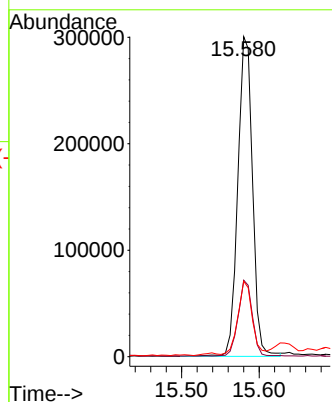
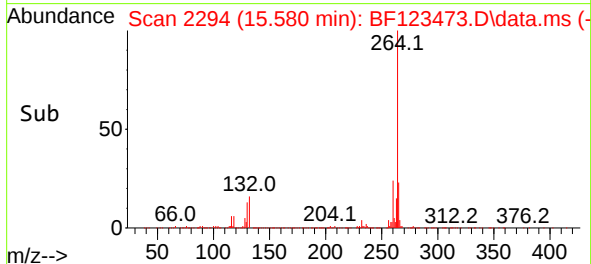
Instrument :
BNA_F
ClientSampled :
TP-8A



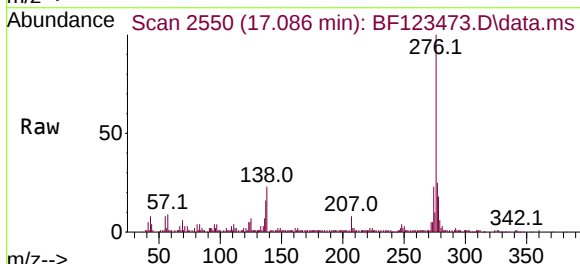
Tgt Ion:264 Resp: 396962
Ion Ratio Lower Upper
264 100
260 23.9 18.6 28.0
265 23.6 17.0 25.6

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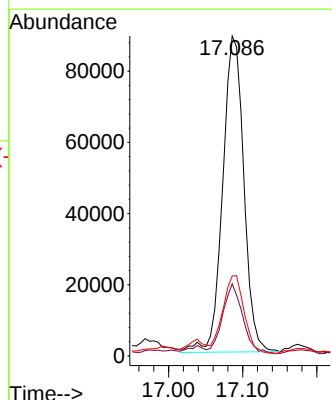
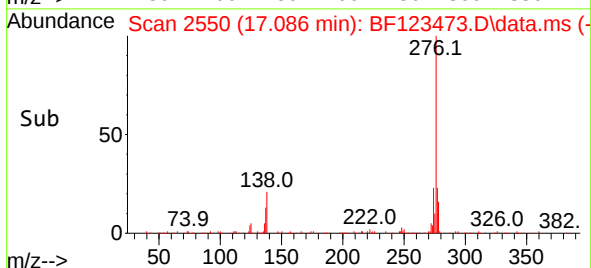
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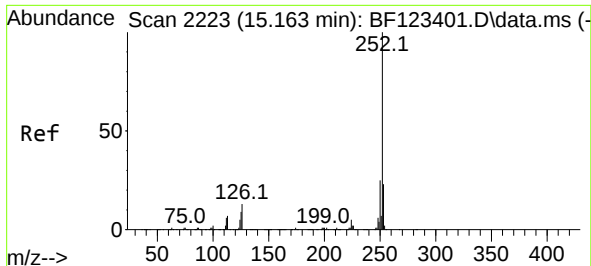


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.13 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

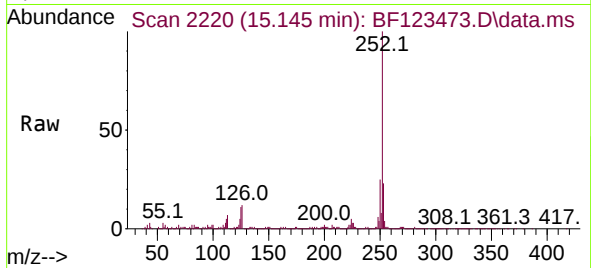


Tgt Ion:276 Resp: 175990
Ion Ratio Lower Upper
276 100
138 20.8 18.7 28.1
277 25.0 20.2 30.4

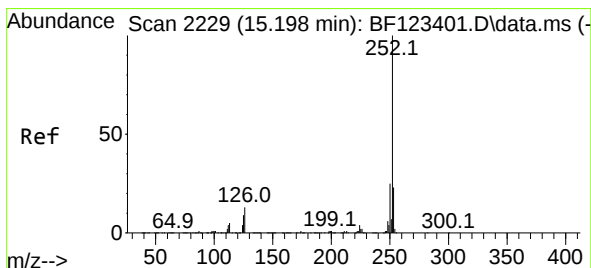
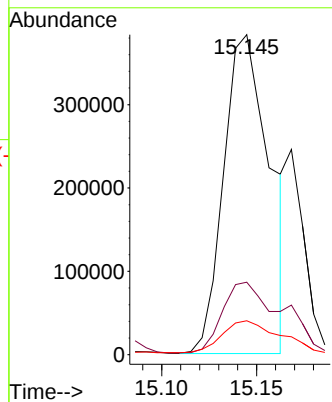
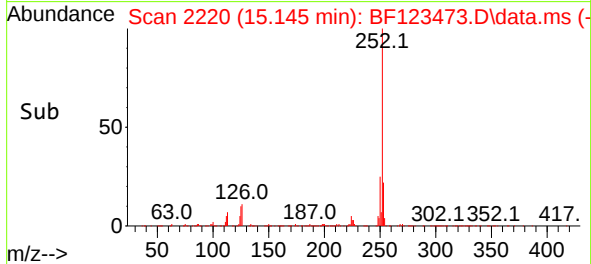




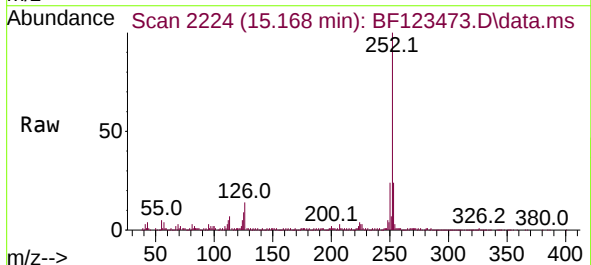
#88
Benzo(b)fluoranthene
Concen: 23.51 ng m
RT: 15.145 min Scan# 2220
Delta R.T. 0.006 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28



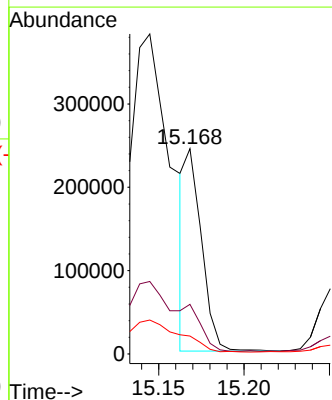
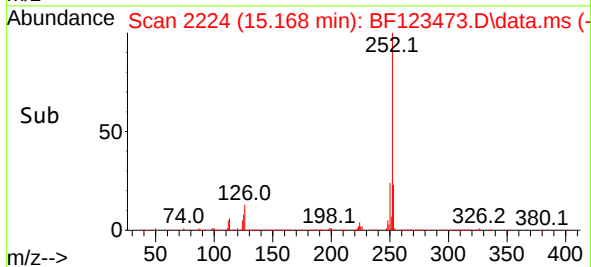
Tgt Ion:252 Resp: 643978
Ion Ratio Lower Upper
252 100
253 22.6 18.3 27.5
125 10.6 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 6.19 ng m
RT: 15.168 min Scan# 2224
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28



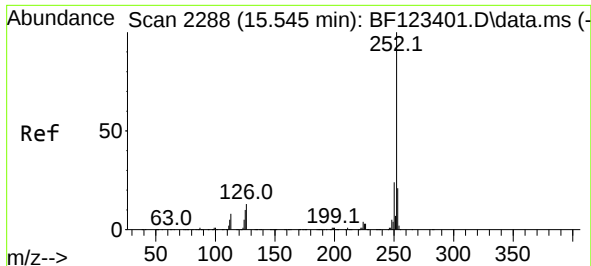
Tgt Ion:252 Resp: 160129
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 8.8 8.4 12.6



Instrument :
BNA_F
ClientSampled :
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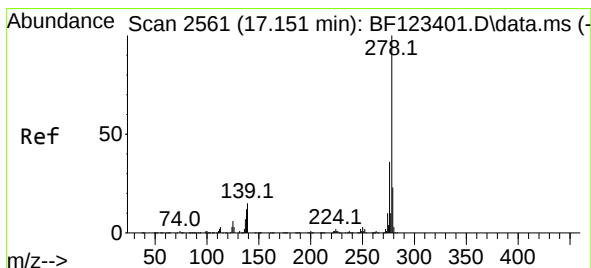
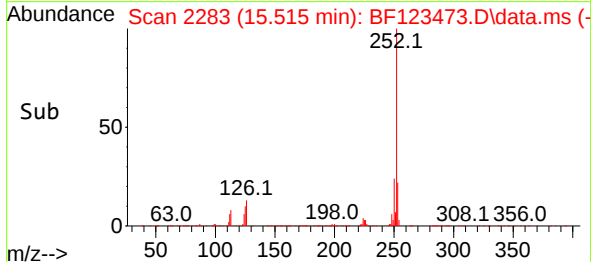
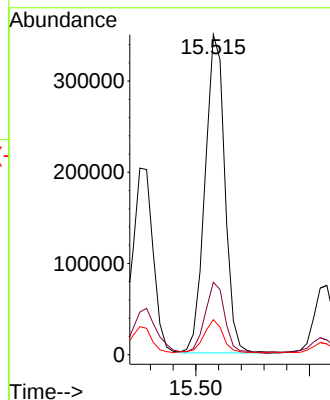
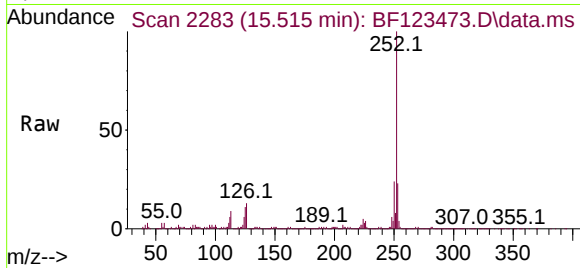
#90
Benzo(a)pyrene
Concen: 17.88 ng
RT: 15.515 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion:252 Resp: 422744
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 10.9 8.6 12.8

Instrument :
BNA_F
ClientSampled :
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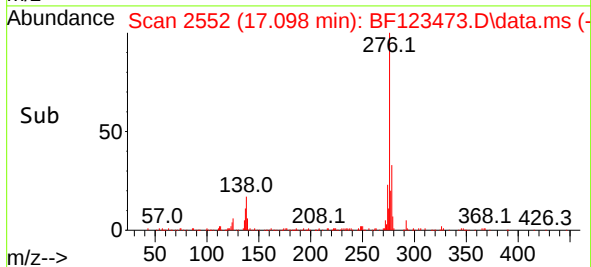
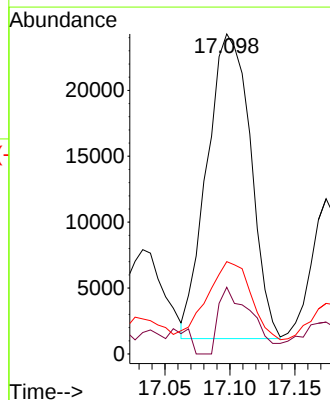
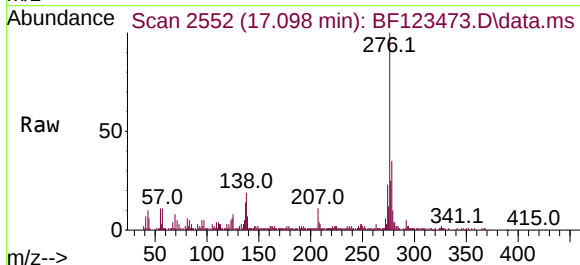
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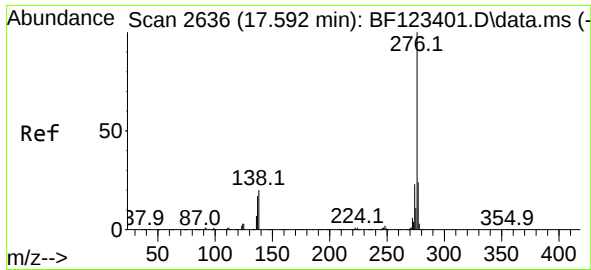
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#91
Dibenzo(a,h)anthracene
Concen: 2.57 ng m
RT: 17.098 min Scan# 2552
Delta R.T. -0.006 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion:278 Resp: 53830
Ion Ratio Lower Upper
278 100
139 20.8 12.0 18.0#
279 28.8 19.4 29.2





#92
Benzo(g,h,i)perylene
Concen: 6.83 ng
RT: 17.545 min Scan# 2628
Delta R.T. -0.000 min
Lab File: BF123473.D
Acq: 25 Mar 2021 21:28

Tgt Ion: 276 Resp: 143142
Ion Ratio Lower Upper
276 100
277 24.2 19.3 28.9
138 20.9 16.6 24.8

Instrument :
BNA_F
ClientSampleId :
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