

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033021\
 Data File : BF123533.D
 Acq On : 30 Mar 2021 21:28
 Operator : JU/CG
 Sample : M1852-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-032921

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Quant Time: Mar 31 04:10:24 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 30 11:51:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	195512	20.00	ng	0.00
21) Naphthalene-d8	8.169	136	706182	20.00	ng	# 0.00
39) Acenaphthene-d10	9.933	164	342723	20.00	ng	0.00
64) Phenanthrene-d10	11.422	188	477442	20.00	ng	# 0.00
76) Chrysene-d12	14.068	240	437864	20.00	ng	0.00
86) Perylene-d12	15.568	264	403349	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	314904	26.35	ng	-0.01
7) Phenol-d6	6.504	99	411314	25.85	ng	-0.01
23) Nitrobenzene-d5	7.439	82	340400	26.02	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	105038	27.41	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	529486	22.07	ng	-0.01
79) Terphenyl-d14	13.010	244	374954	14.51	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.192	128	374393	9.86	ng	99
37) 2-Methylnaphthalene	8.886	142	420142	16.14	ng	98
38) 1-Methylnaphthalene	8.986	142	501340	20.52	ng	99
49) Acenaphthylene	9.786	152	70818	2.10	ng	# 77
52) Acenaphthene	9.963	154	131879	6.27	ng	95
55) Dibenzofuran	10.133	168	67375	2.23	ng	# 79
58) Fluorene	10.480	166	258104	11.30	ng	99
71) Phenanthrene	11.445	178	1067572	40.45	ng	99
72) Anthracene	11.498	178	247723	9.33	ng	96
75) Fluoranthene	12.639	202	596236	20.86	ng	95
78) Pyrene	12.869	202	799566	21.17	ng	99
81) Benzo(a)anthracene	14.057	228	448241	15.64	ng	97
83) Chrysene	14.098	228	456352	15.42	ng	98
87) Indeno(1,2,3-cd)pyrene	17.068	276	154801	6.18	ng	94
88) Benzo(b)fluoranthene	15.127	252	404933m	14.55	ng	
89) Benzo(k)fluoranthene	15.151	252	123144m	4.68	ng	
90) Benzo(a)pyrene	15.504	252	327999	13.65	ng	97
92) Benzo(g,h,i)perylene	17.527	276	150592	7.07	ng	96

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

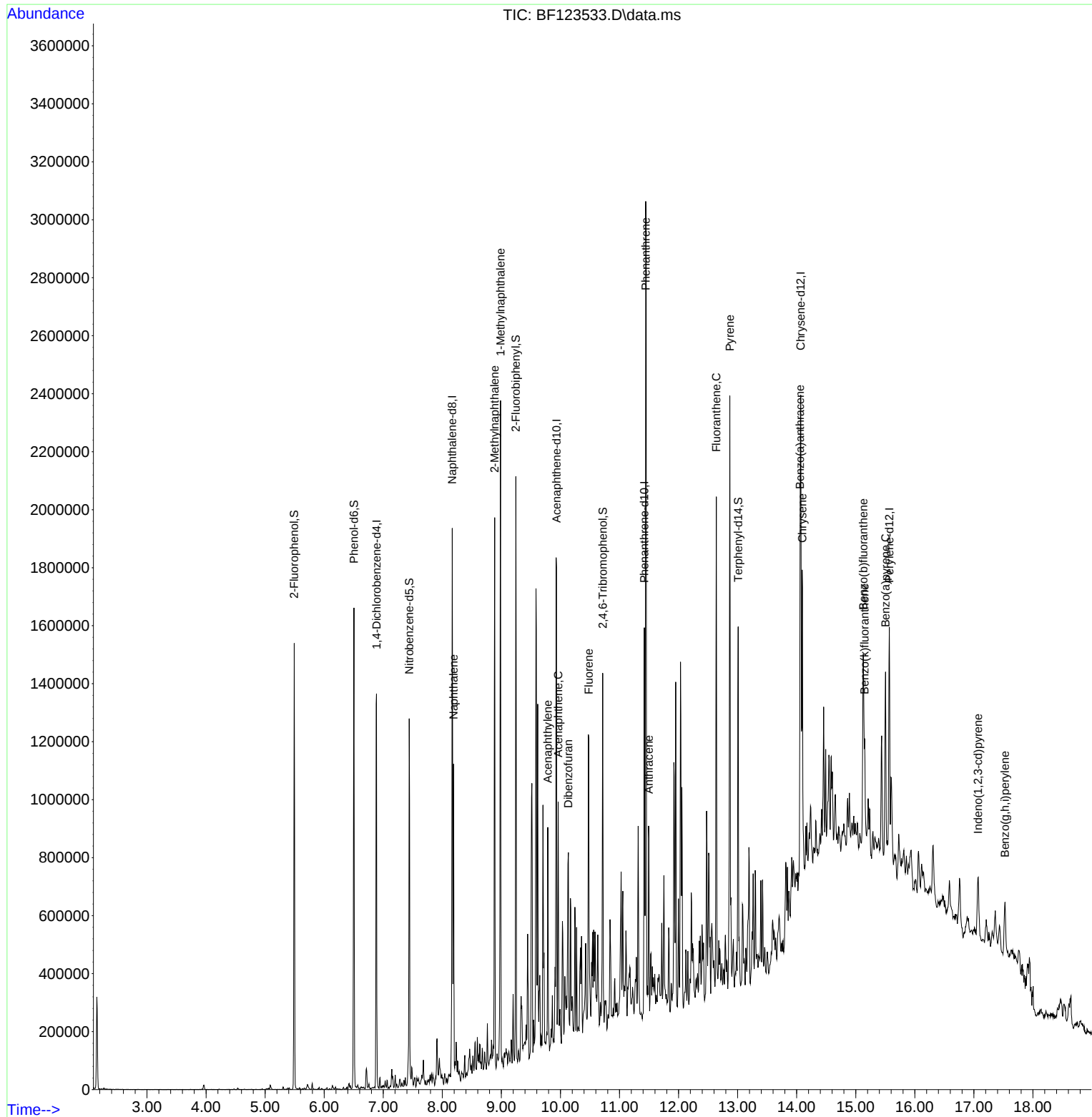
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033021\
Data File : BF123533.D
Acq On : 30 Mar 2021 21:28
Operator : JU/CG
Sample : M1852-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

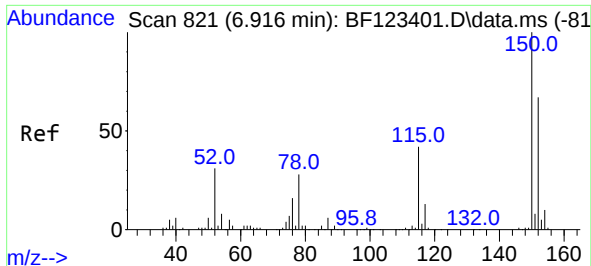
Instrument :
BNA_F
ClientSampled :
OR-03-032921

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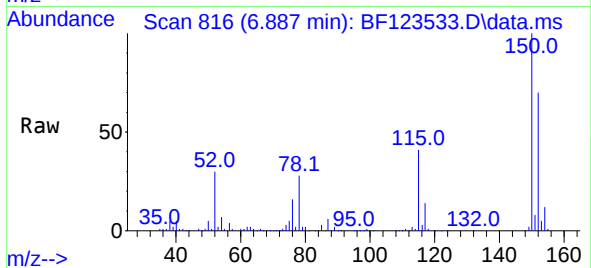
Quant Time: Mar 31 04:10:24 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 30 11:51:25 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.000 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

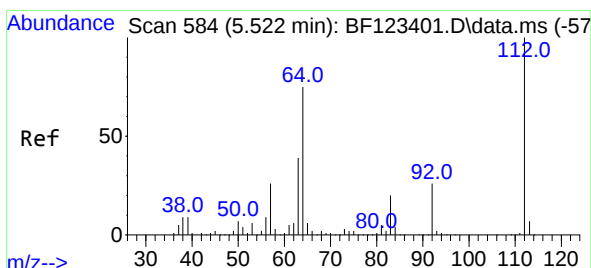
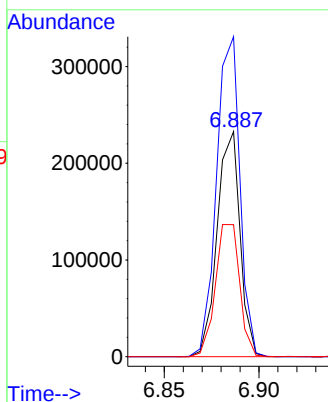
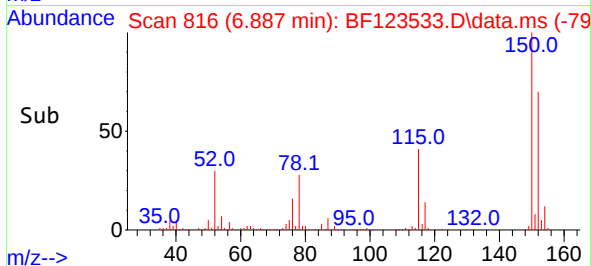
Instrument :
BNA_F
ClientSampled :
OR-03-032921



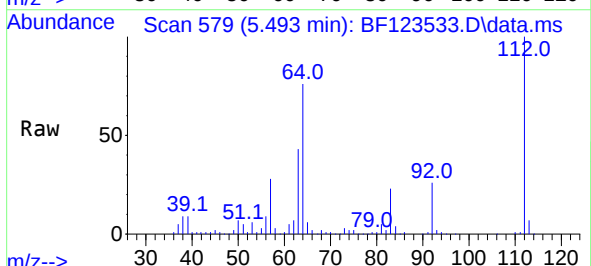
Tgt Ion:152 Resp: 195512
Ion Ratio Lower Upper
152 100
150 142.2 125.8 188.6
115 58.6 49.3 73.9

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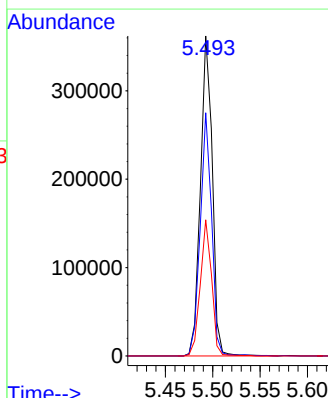
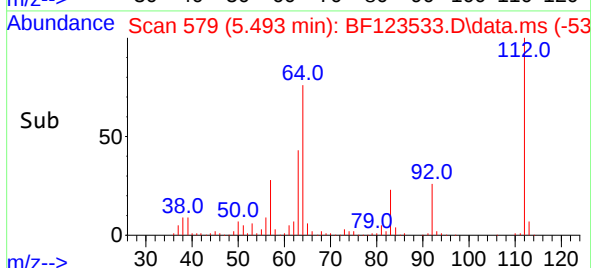
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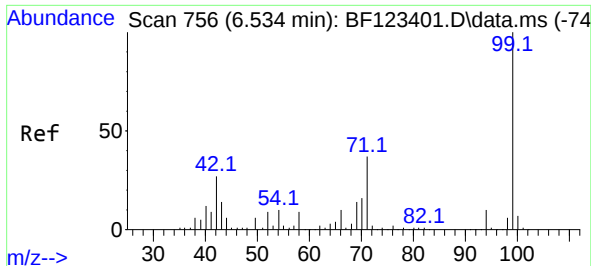


#5
2-Fluorophenol
Concen: 26.35 ng
RT: 5.493 min Scan# 579
Delta R.T. -0.012 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

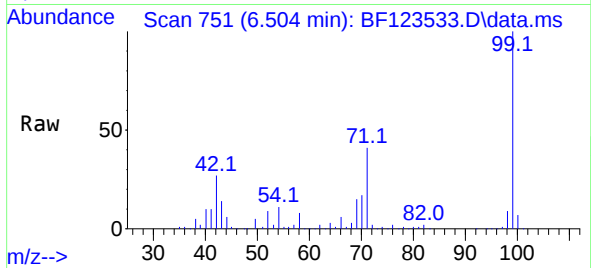


Tgt Ion:112 Resp: 314904
Ion Ratio Lower Upper
112 100
64 76.0 46.9 70.3#
63 42.6 24.5 36.7#

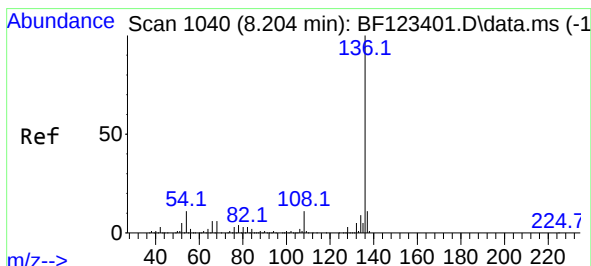
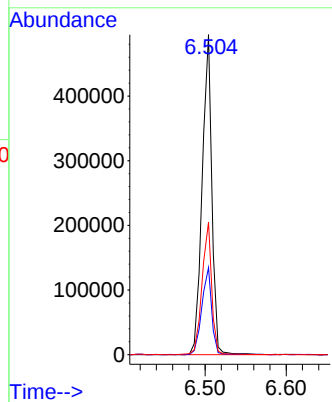
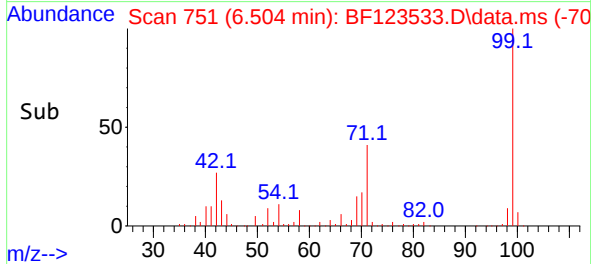




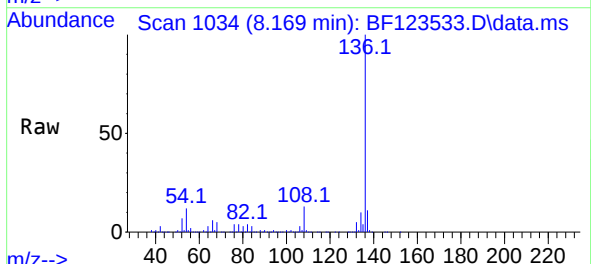
#7
Phenol-d6
Concen: 25.85 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28



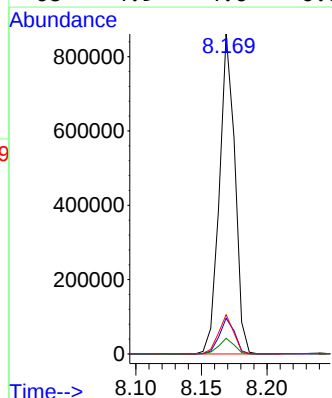
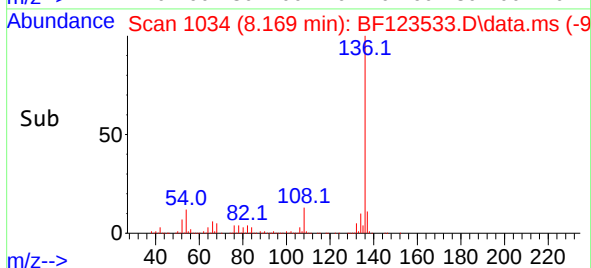
Tgt Ion: 99 Resp: 411314
Ion Ratio Lower Upper
99 100
42 27.2 13.8 20.6#
71 41.4 26.9 40.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28



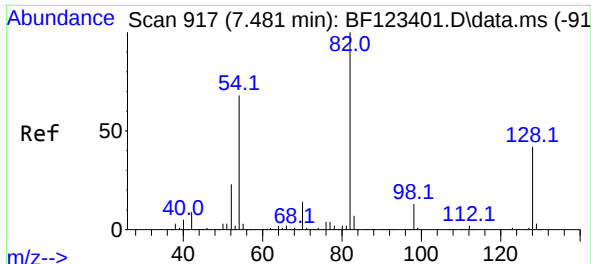
Tgt Ion: 136 Resp: 706182
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 12.3 5.5 8.3#
68 4.9 4.6 6.8



Instrument :
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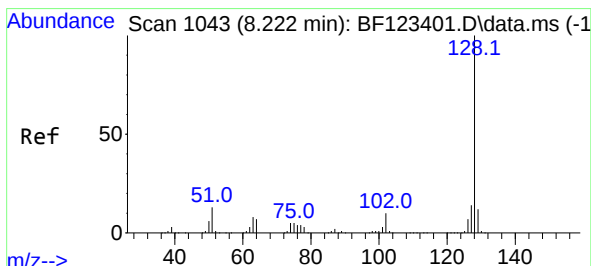
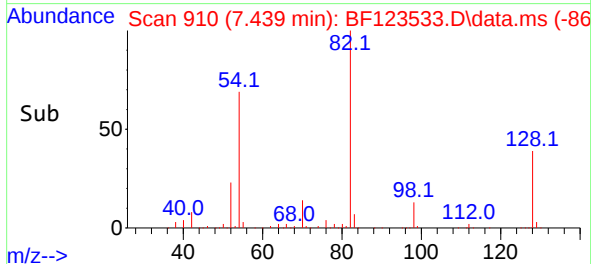
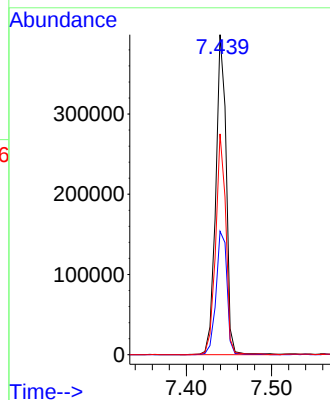
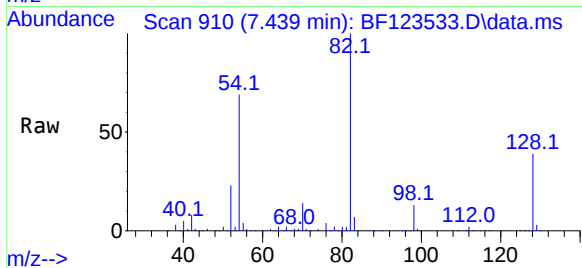
#23
Nitrobenzene-d5
Concen: 26.02 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion: 82 Resp: 340400
Ion Ratio Lower Upper
82 100
128 38.5 37.0 55.4
54 69.0 38.4 57.6#

Instrument :
BNA_F
ClientSampleId :
OR-03-032921

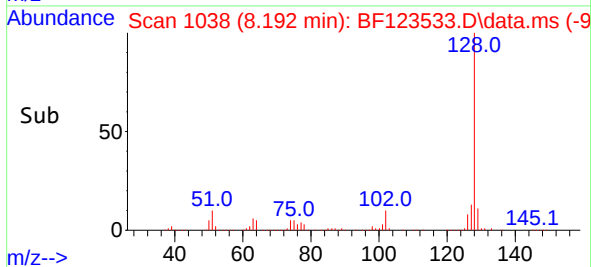
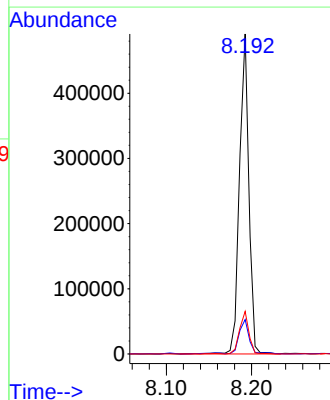
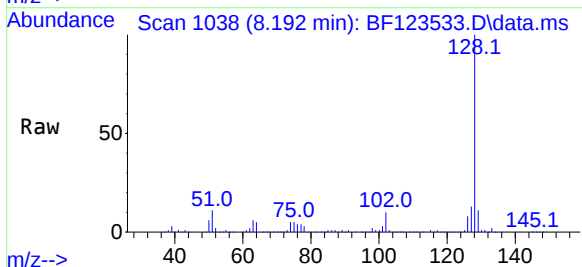
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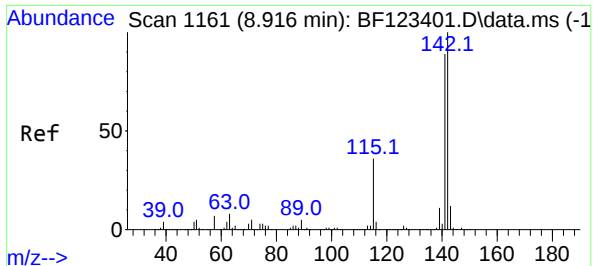
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#31
Naphthalene
Concen: 9.86 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

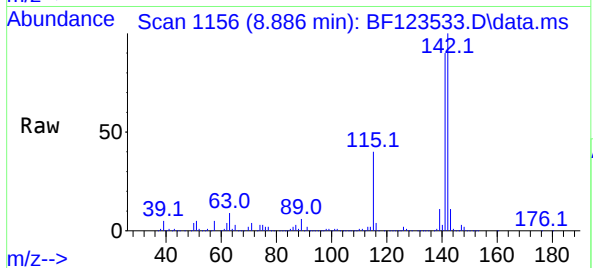
Tgt Ion: 128 Resp: 374393
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.6
127 13.3 10.7 16.1





#37
2-Methylnaphthalene
Concen: 16.14 ng
RT: 8.886 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

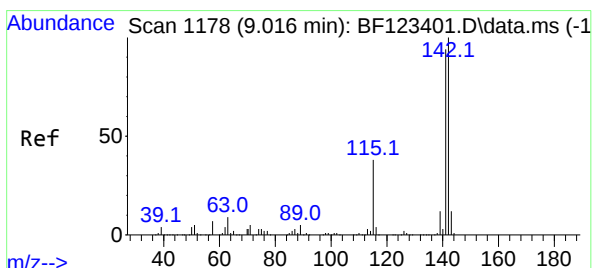
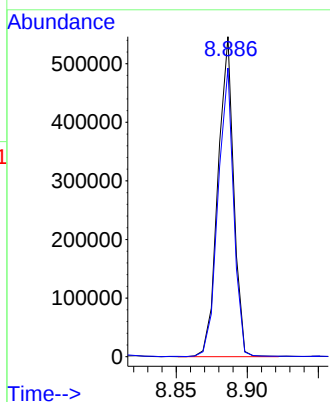
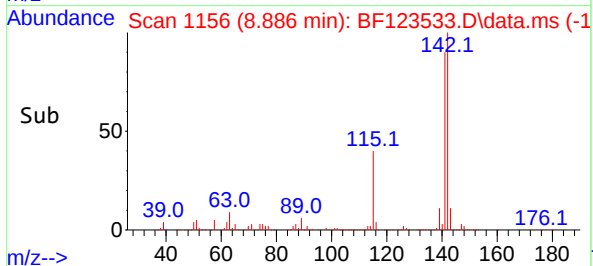
Instrument :
BNA_F
ClientSampleId :
OR-03-032921



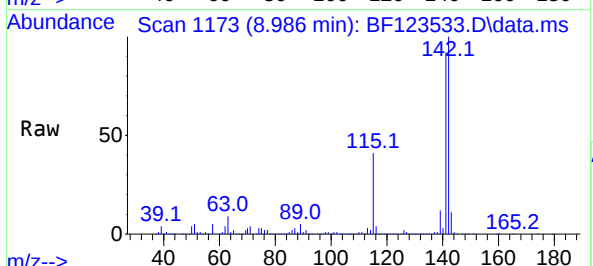
Tgt Ion:142 Resp: 420142
Ion Ratio Lower Upper
142 100
141 90.2 70.6 106.0

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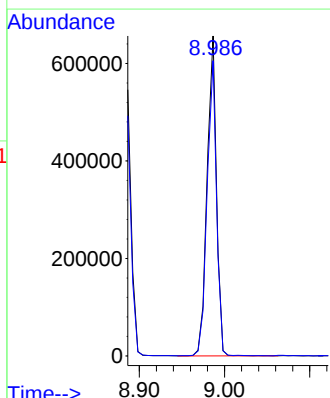
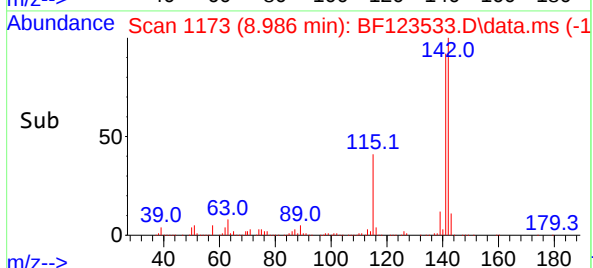
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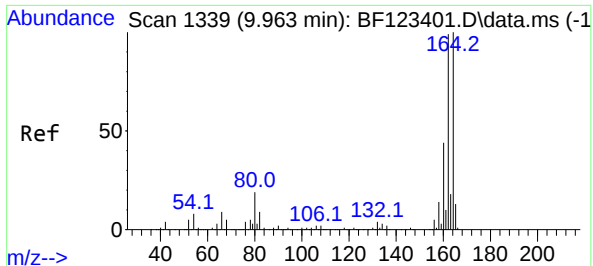


#38
1-Methylnaphthalene
Concen: 20.52 ng
RT: 8.986 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28



Tgt Ion:142 Resp: 501340
Ion Ratio Lower Upper
142 100
141 92.3 74.5 111.7





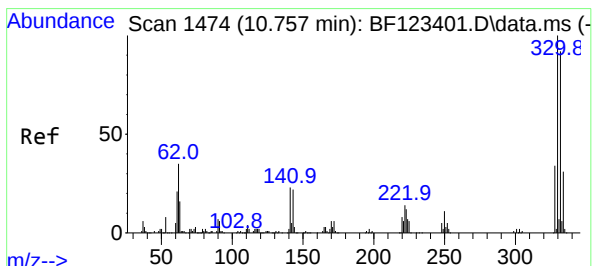
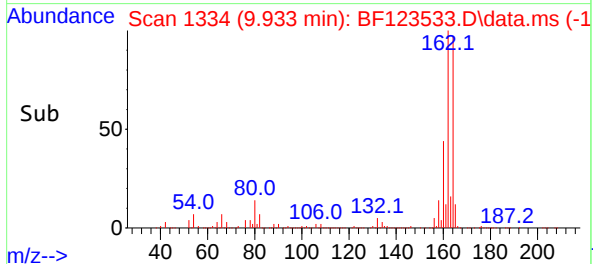
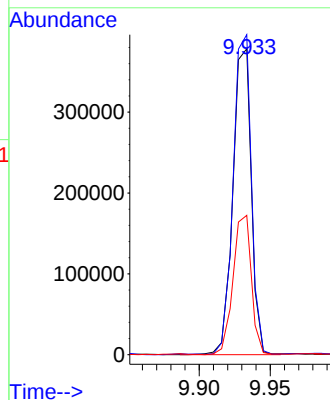
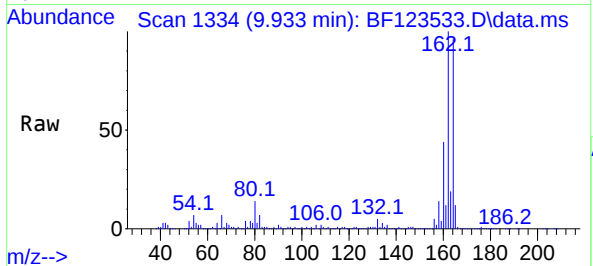
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion:164 Resp: 342723
Ion Ratio Lower Upper
164 100
162 104.6 80.8 121.2
160 45.6 35.4 53.0

Instrument :
BNA_F
ClientSampleId :
OR-03-032921

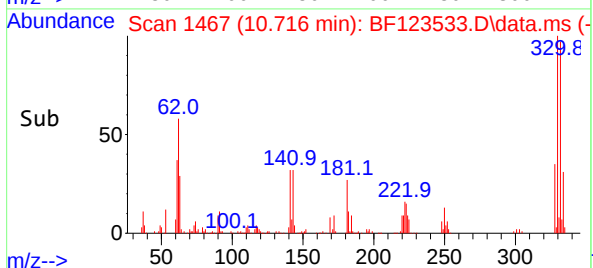
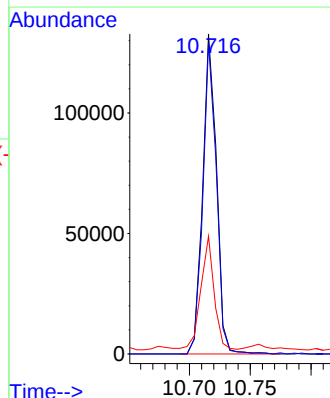
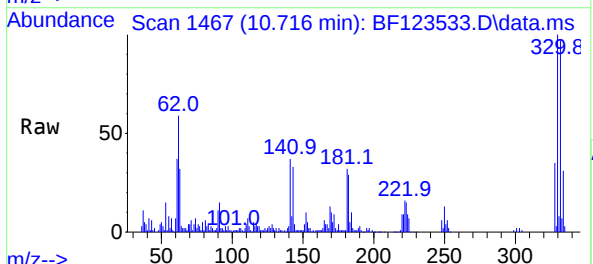
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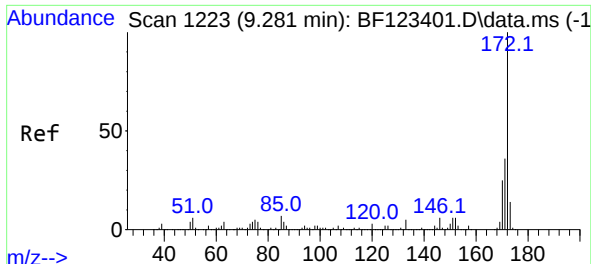
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#42
2,4,6-Tribromophenol
Concen: 27.41 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.012 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion:330 Resp: 105038
Ion Ratio Lower Upper
330 100
332 95.0 77.5 116.3
141 34.0 23.8 35.8





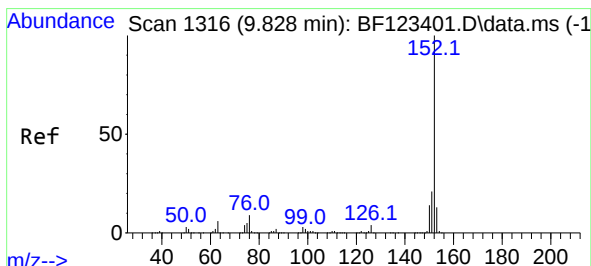
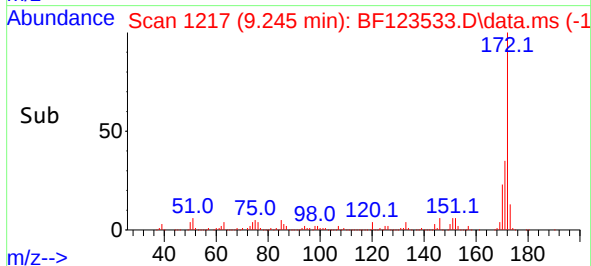
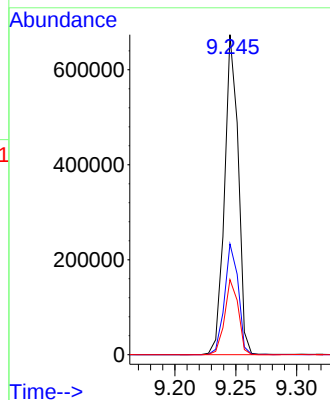
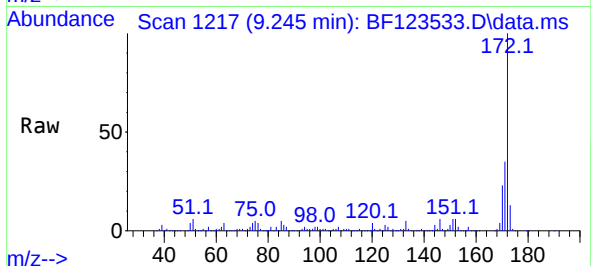
#45
2-Fluorobiphenyl
Concen: 22.07 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion:	172	Resp:	529486
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.6	44.4
170	23.4	19.5	29.3

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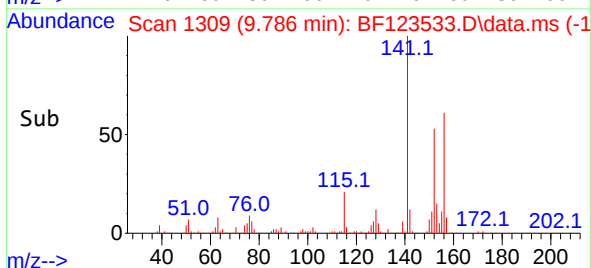
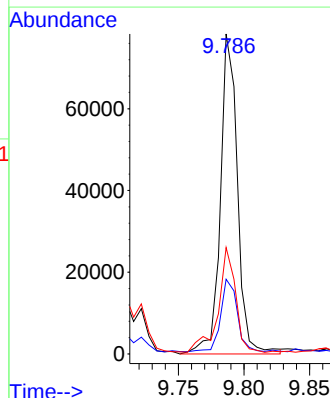
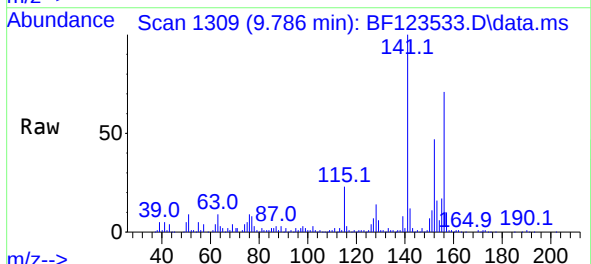
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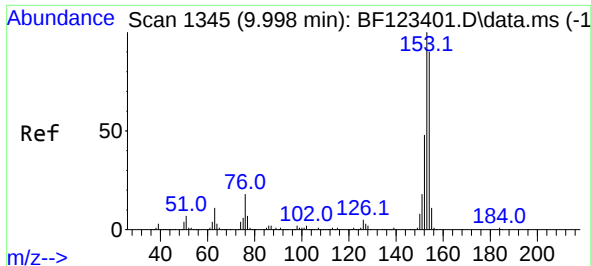
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#49
Acenaphthylene
Concen: 2.10 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.012 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

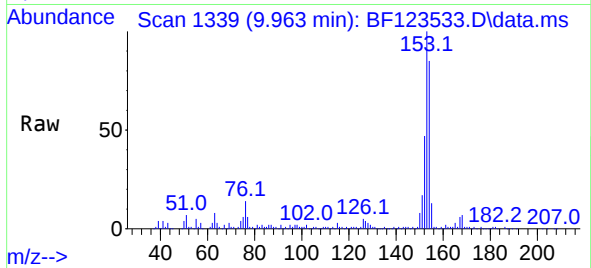
Tgt Ion:	152	Resp:	70818
Ion Ratio	Lower	Upper	
152	100		
151	23.3	16.6	25.0
153	33.2	10.9	16.3





#52
Acenaphthene
Concen: 6.27 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.012 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

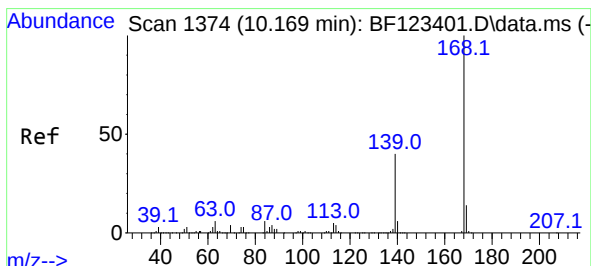
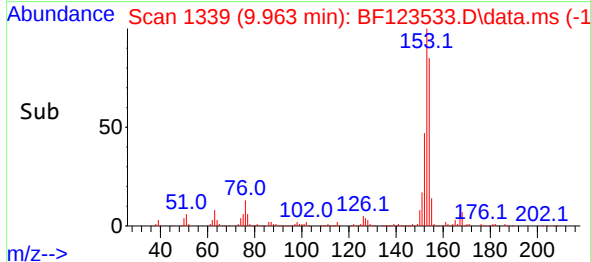
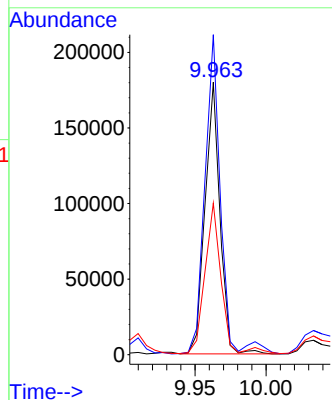
Instrument :
BNA_F
ClientSampleId :
OR-03-032921



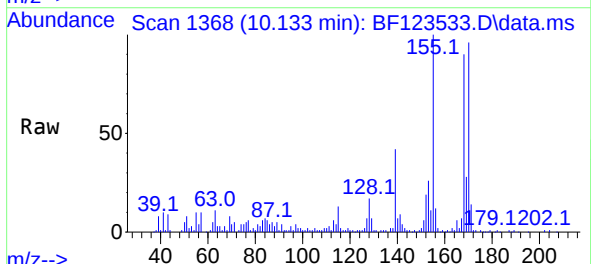
Tgt Ion:154 Resp: 131879
Ion Ratio Lower Upper
154 100
153 117.4 89.0 133.6
152 55.6 42.7 64.1

Manual Integrations
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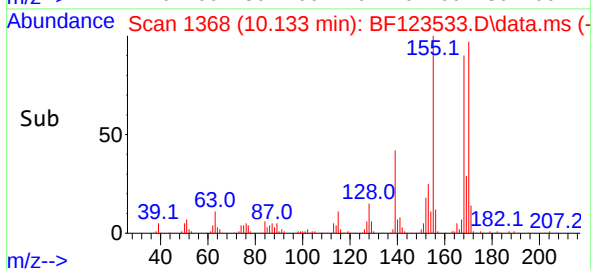
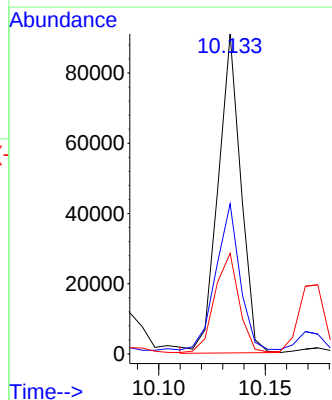
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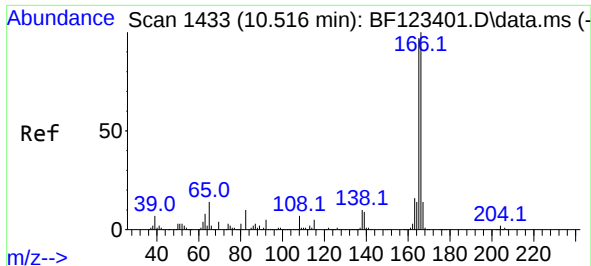


#55
Dibenzofuran
Concen: 2.23 ng
RT: 10.133 min Scan# 1368
Delta R.T. -0.012 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28



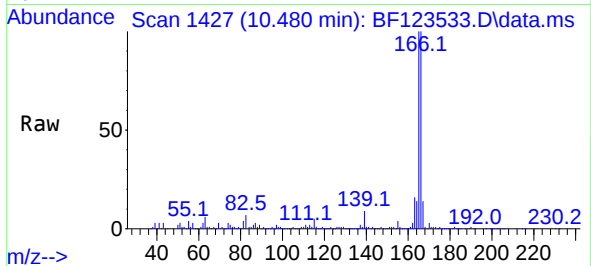
Tgt Ion:168 Resp: 67375
Ion Ratio Lower Upper
168 100
139 47.0 31.3 46.9#
169 31.5 11.2 16.8#





#58
Fluorene
Concen: 11.30 ng
RT: 10.480 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

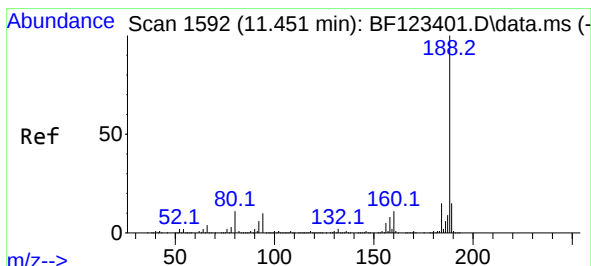
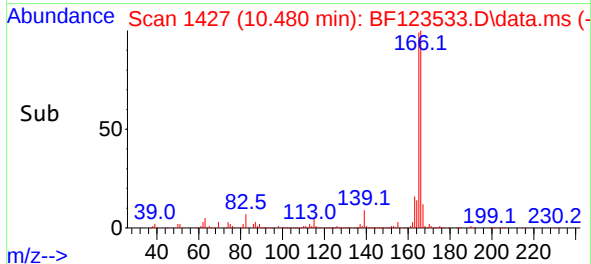
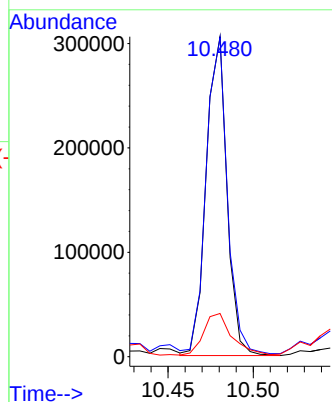
Instrument :
BNA_F
ClientSampleId :
OR-03-032921



Tgt Ion:166 Resp: 258104
Ion Ratio Lower Upper
166 100
165 99.7 79.4 119.0
167 13.5 10.9 16.3

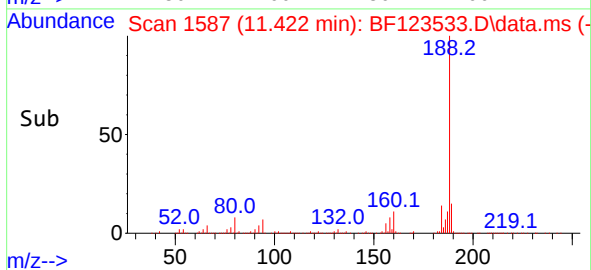
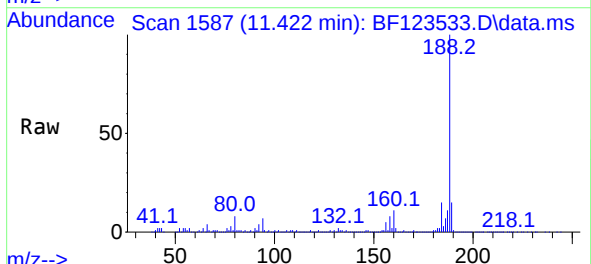
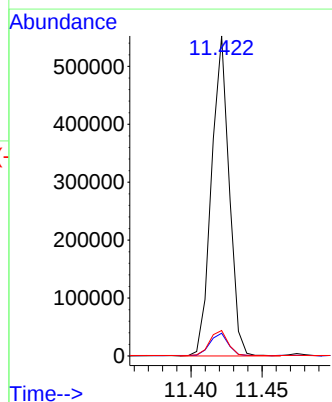
Manual Integrations
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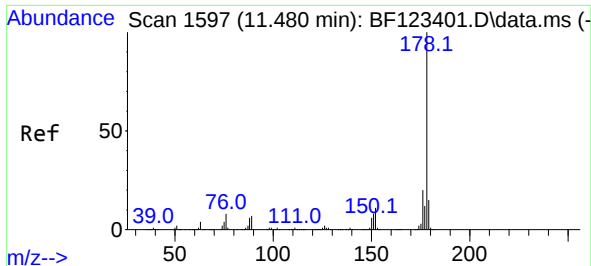
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.422 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

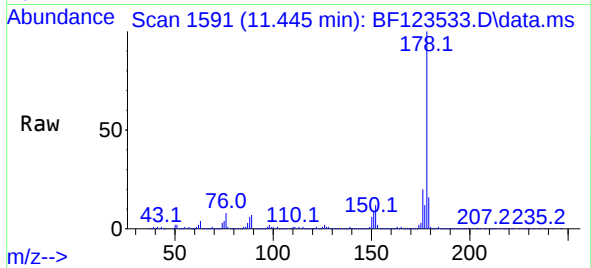
Tgt Ion:188 Resp: 477442
Ion Ratio Lower Upper
188 100
94 7.1 7.4 11.2#
80 8.0 8.2 12.4#





#71
Phenanthrene
Concen: 40.45 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

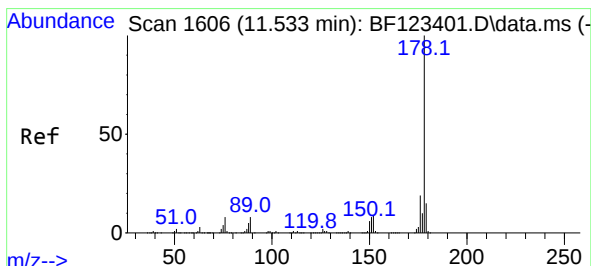
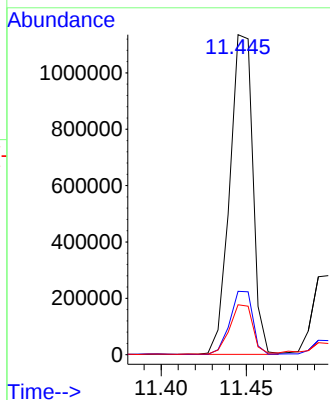
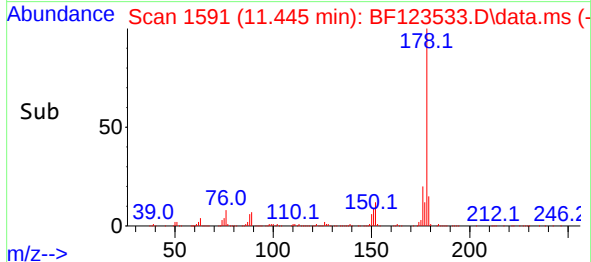
Instrument :
BNA_F
ClientSampled :
OR-03-032921



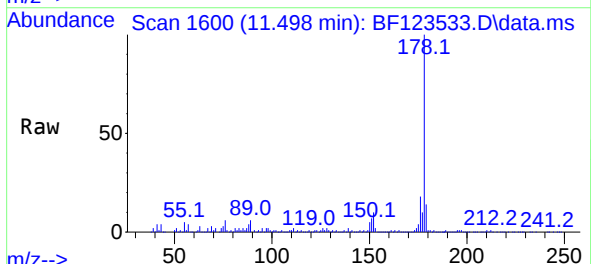
Tgt Ion:178 Resp: 1067572
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 15.6 12.7 19.1

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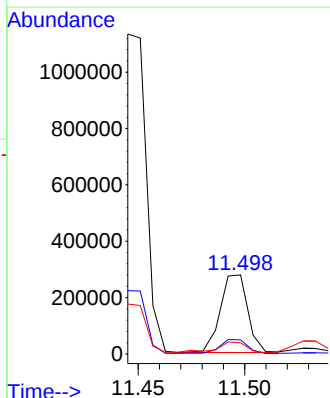
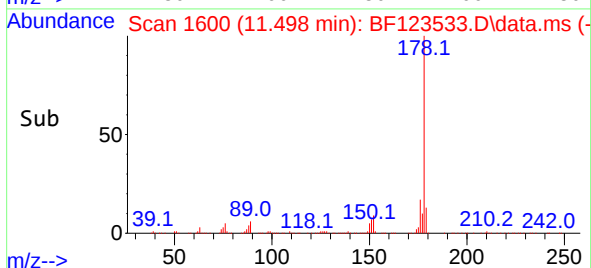
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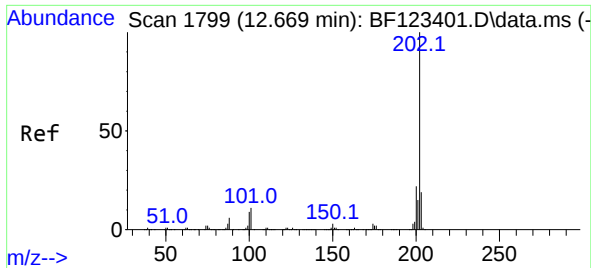


#72
Anthracene
Concen: 9.33 ng
RT: 11.498 min Scan# 1600
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28



Tgt Ion:178 Resp: 247723
Ion Ratio Lower Upper
178 100
176 17.7 15.6 23.4
179 14.2 12.8 19.2





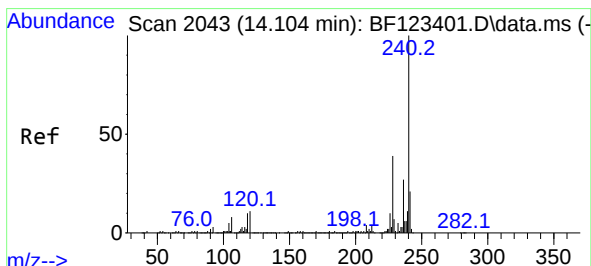
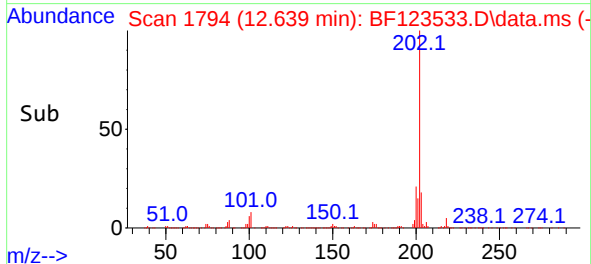
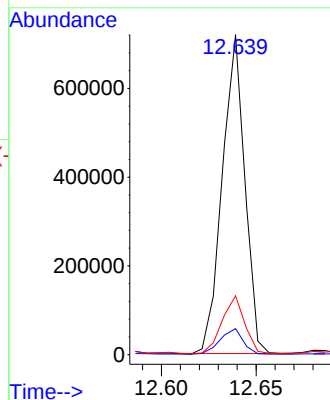
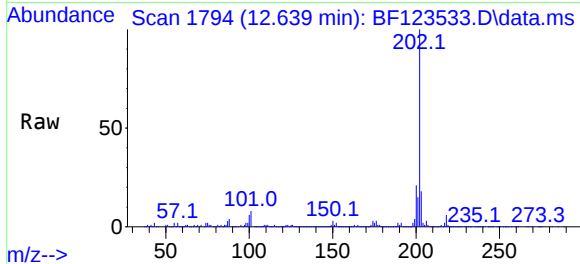
#75
Fluoranthene
Concen: 20.86 ng
RT: 12.639 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion:	202	Resp:	596236
Ion Ratio	Lower	Upper	
202	100		
101	8.1	0.0	32.2
203	18.4	0.0	38.1

Instrument :
BNA_F
ClientSampleId :
OR-03-032921

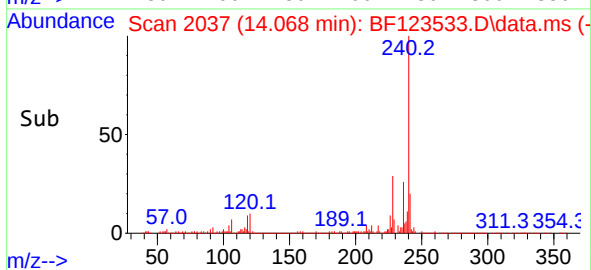
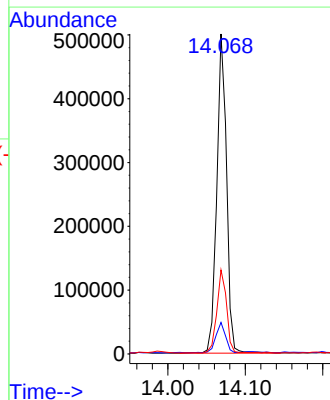
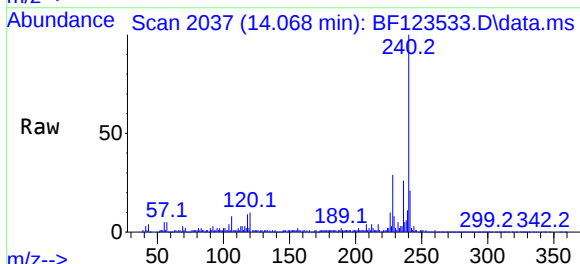
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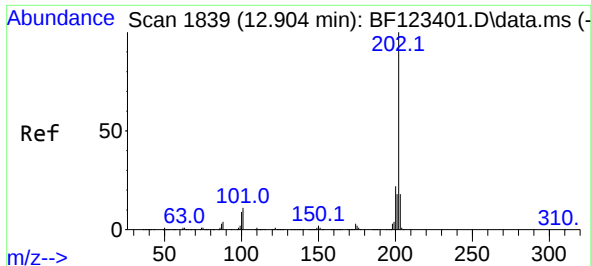
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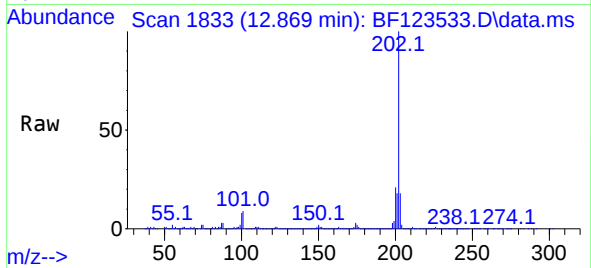
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion:	240	Resp:	437864
Ion Ratio	Lower	Upper	
240	100		
120	9.8	8.6	12.8
236	26.3	20.3	30.5

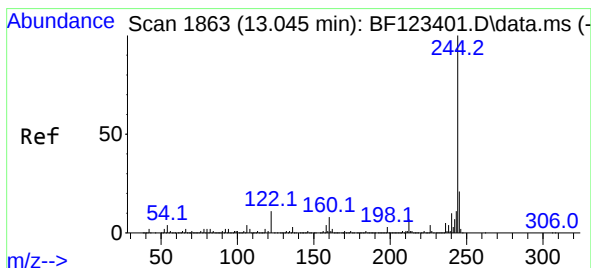
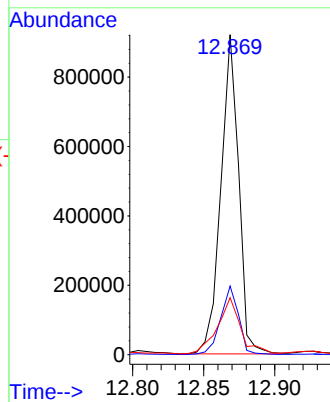
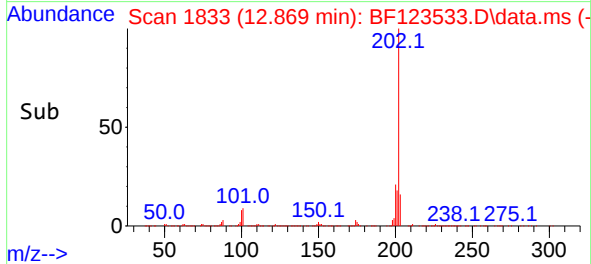




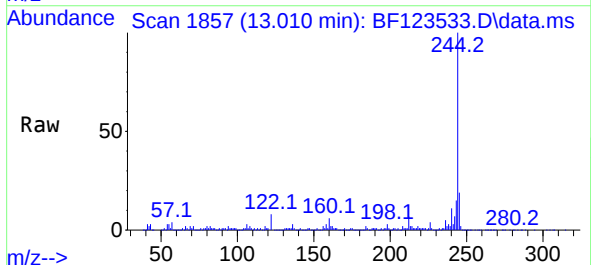
#78
Pyrene
Concen: 21.17 ng
RT: 12.869 min Scan# 1833
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28



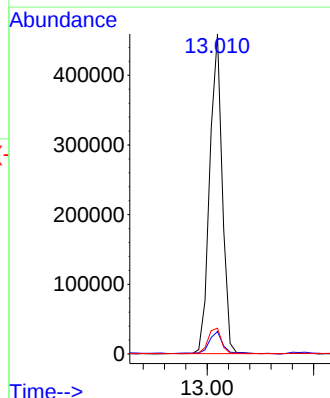
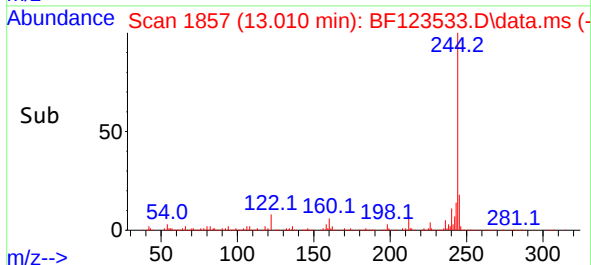
Tgt Ion:202 Resp: 799566
Ion Ratio Lower Upper
202 100
200 21.5 17.6 26.4
203 17.8 14.6 21.8



#79
Terphenyl-d14
Concen: 14.51 ng
RT: 13.010 min Scan# 1857
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28



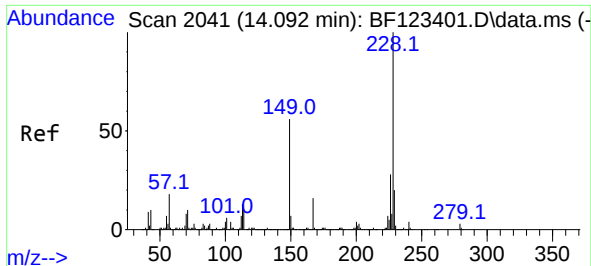
Tgt Ion:244 Resp: 374954
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 8.1 8.3 12.5#



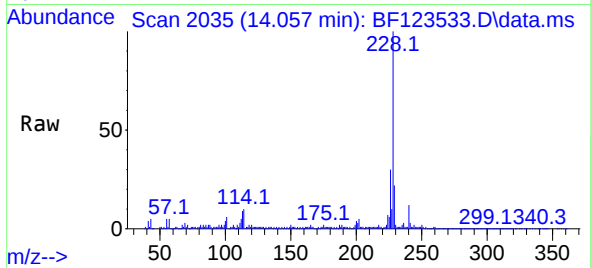
Instrument :
BNA_F
ClientSampleId :
OR-03-032921

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#81
Benzo(a)anthracene
Concen: 15.64 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

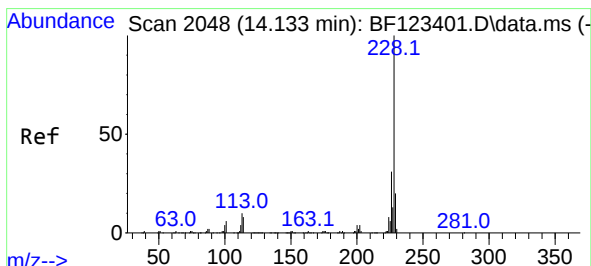
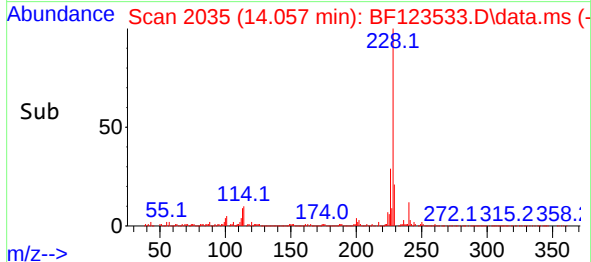
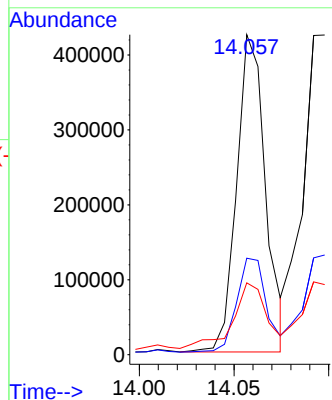


Tgt Ion:228 Resp: 448241
Ion Ratio Lower Upper
228 100
226 30.1 23.0 34.4
229 22.4 16.6 24.8

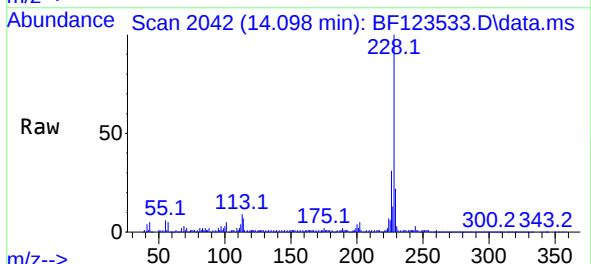
Instrument :
BNA_F
ClientSampleId :
OR-03-032921

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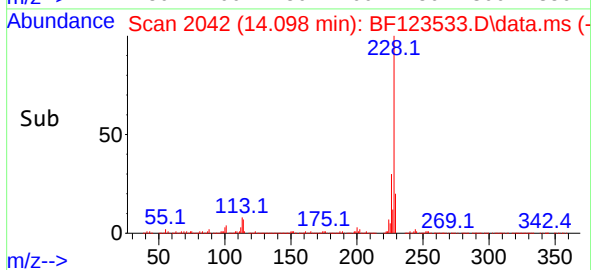
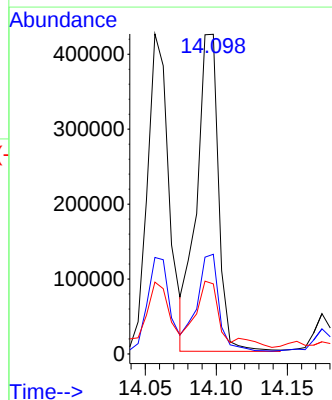
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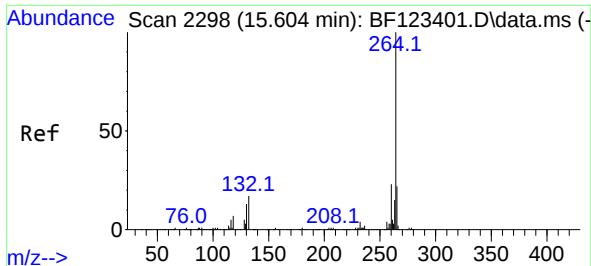


#83
Chrysene
Concen: 15.42 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28



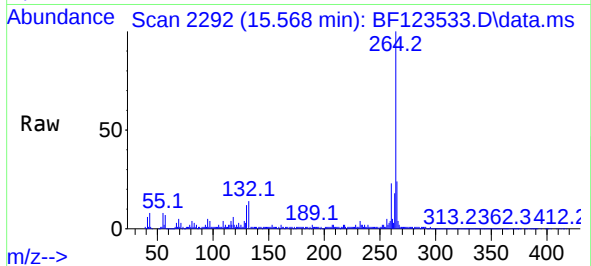
Tgt Ion:228 Resp: 456352
Ion Ratio Lower Upper
228 100
226 31.2 24.6 36.8
229 21.9 15.8 23.6





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

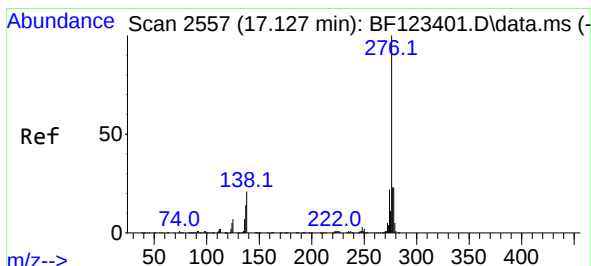
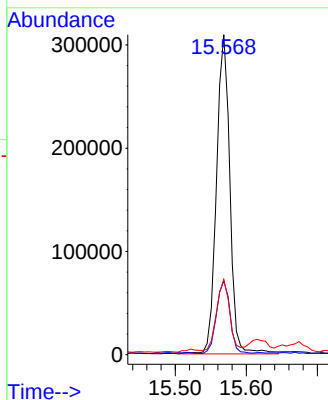
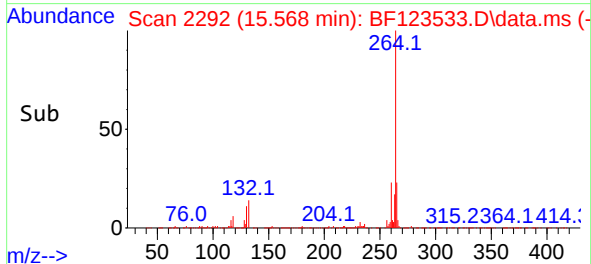
Instrument :
BNA_F
ClientSampleId :
OR-03-032921



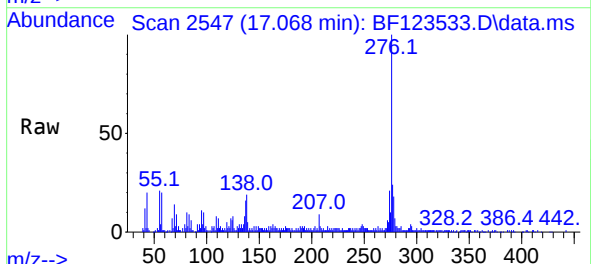
Tgt Ion:264 Resp: 403349
Ion Ratio Lower Upper
264 100
260 23.1 18.6 28.0
265 23.6 17.0 25.6

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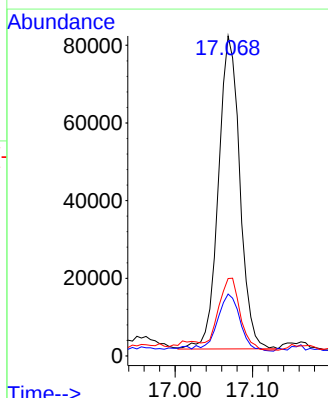
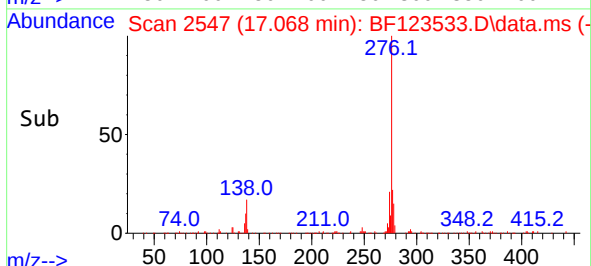
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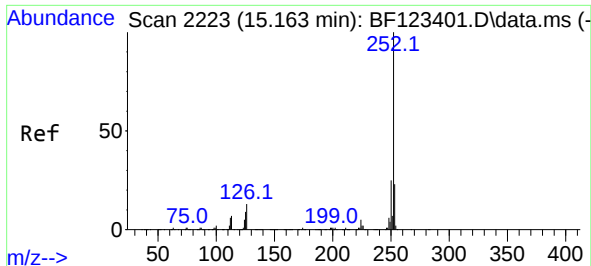


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.18 ng
RT: 17.068 min Scan# 2547
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28



Tgt Ion:276 Resp: 154801
Ion Ratio Lower Upper
276 100
138 19.5 18.7 28.1
277 23.5 20.2 30.4





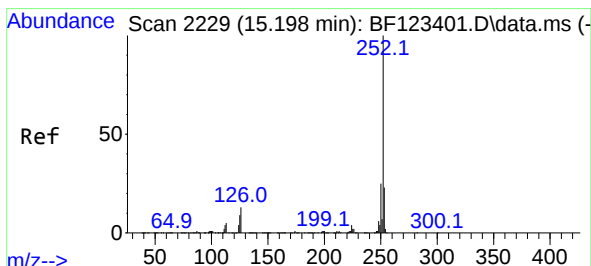
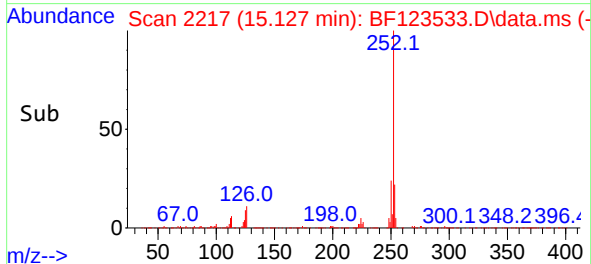
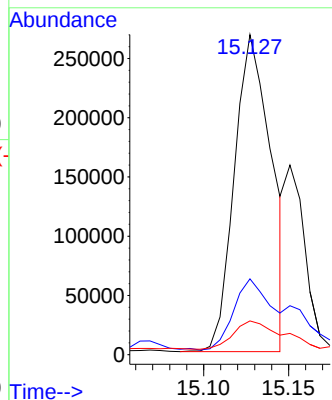
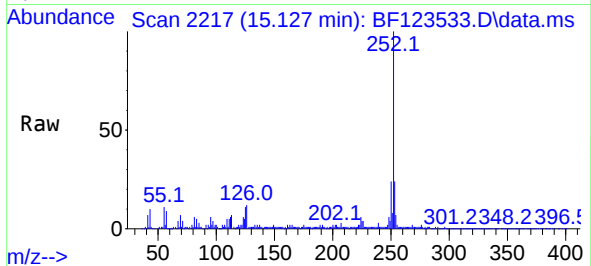
#88
Benzo(b)fluoranthene
Concen: 14.55 ng m
RT: 15.127 min Scan# 2217
Delta R.T. -0.000 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion:252 Resp: 404933
Ion Ratio Lower Upper
252 100
253 23.7 18.3 27.5
125 10.6 8.1 12.1

Instrument :
BNA_F
ClientSampleId :
OR-03-032921

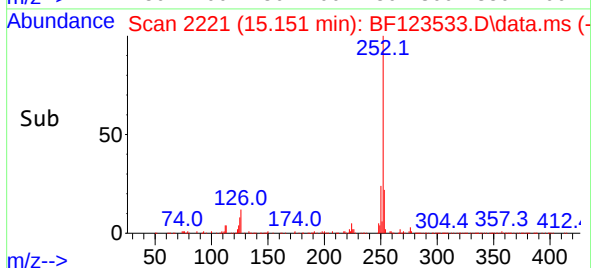
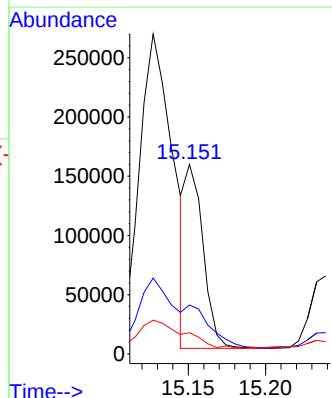
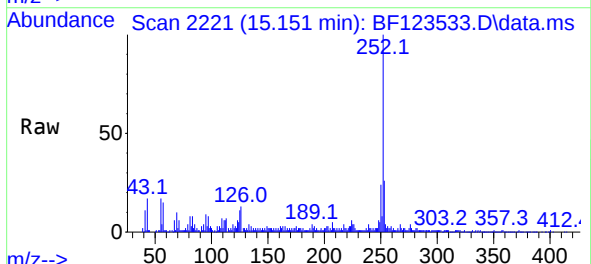
Manual Integrations
APPROVED

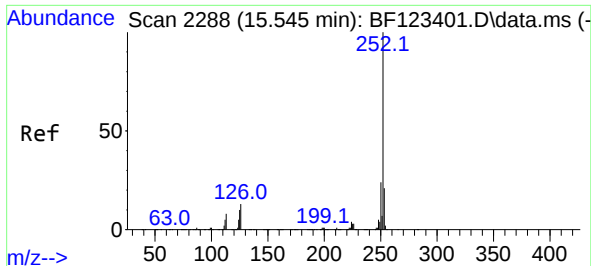
mohammad
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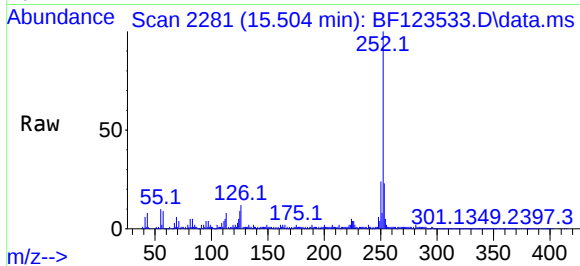
#89
Benzo(k)fluoranthene
Concen: 4.68 ng m
RT: 15.151 min Scan# 2221
Delta R.T. -0.012 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion:252 Resp: 123144
Ion Ratio Lower Upper
252 100
253 25.8 17.8 26.8
125 11.2 8.4 12.6

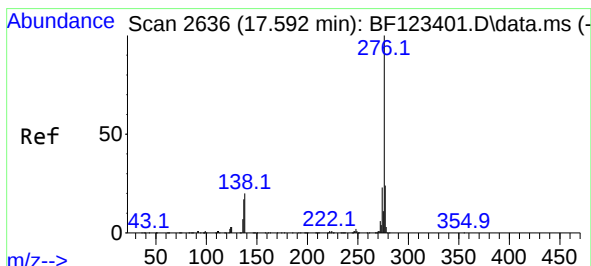
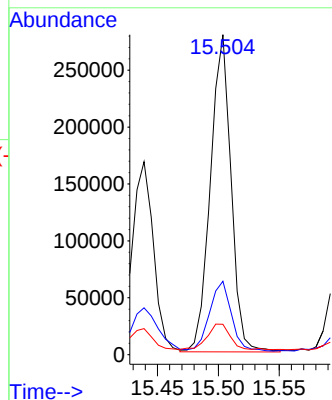
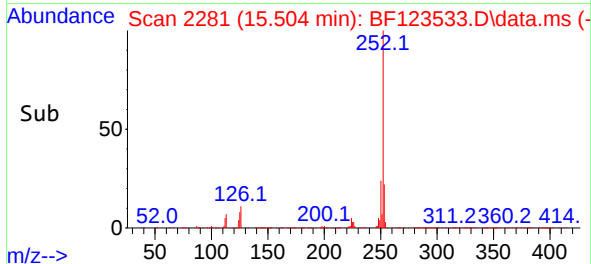




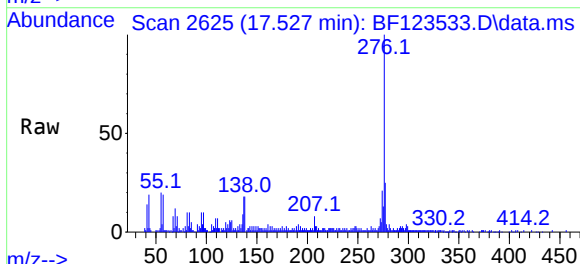
#90
Benzo(a)pyrene
Concen: 13.65 ng
RT: 15.504 min Scan# 2281
Delta R.T. -0.000 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28



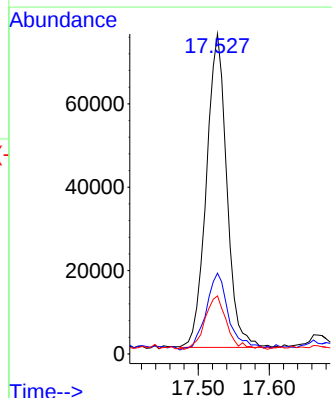
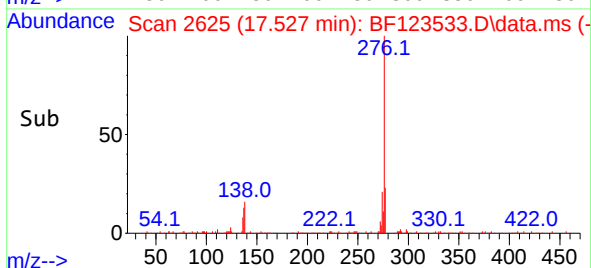
Tgt Ion:252 Resp: 327999
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 9.5 8.6 12.8



#92
Benzo(g,h,i)perylene
Concen: 7.07 ng
RT: 17.527 min Scan# 2625
Delta R.T. -0.012 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28



Tgt Ion:276 Resp: 150592
Ion Ratio Lower Upper
276 100
277 25.3 19.3 28.9
138 18.2 16.6 24.8



Instrument :
BNA_F
ClientSampleId :
OR-03-032921

Manual Integrations
APPROVED

mohammad
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