

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
 Data File : BF123475.D
 Acq On : 25 Mar 2021 22:32
 Operator : JU/CG
 Sample : M1793-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-032421

Manual Integrations
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Quant Time: Mar 26 00:40:14 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	233377	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	827126	20.00	ng	# 0.00
39) Acenaphthene-d10	9.945	164	403925	20.00	ng	0.00
64) Phenanthrene-d10	11.439	188	580623	20.00	ng	0.00
76) Chrysene-d12	14.092	240	392473	20.00	ng	0.01
86) Perylene-d12	15.592	264	376133	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	203379	14.26	ng	0.00
7) Phenol-d6	6.516	99	252695	13.31	ng	-0.01
23) Nitrobenzene-d5	7.451	82	152784	9.97	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	46342	10.26	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	296658	10.49	ng	0.00
79) Terphenyl-d14	13.021	244	225068	9.72	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.210	128	922215	20.74	ng	99
37) 2-Methylnaphthalene	8.898	142	346622	11.37	ng	98
38) 1-Methylnaphthalene	8.998	142	219940	7.68	ng	98
46) 1,1'-Biphenyl	9.363	154	129253	4.15	ng	98
49) Acenaphthylene	9.804	152	141831	3.57	ng	96
52) Acenaphthene	9.974	154	372997	15.04	ng	99
55) Dibenzofuran	10.151	168	881749	24.74	ng	98
58) Fluorene	10.498	166	1259047	46.79	ng	98
71) Phenanthrene	11.474	178	5025774	156.58	ng	96
72) Anthracene	11.516	178	1633896	50.61	ng	100
73) Carbazole	11.663	167	544127	17.84	ng	99
75) Fluoranthene	12.668	202	4868659	140.09	ng	97
78) Pyrene	12.898	202	3883521	114.71	ng	97
81) Benzo(a)anthracene	14.080	228	2236786	87.07	ng	99
83) Chrysene	14.115	228	1672726	63.08	ng	96
87) Indeno(1,2,3-cd)pyrene	17.103	276	688535	29.46	ng	95
88) Benzo(b)fluoranthene	15.156	252	1961550m	75.59	ng	
89) Benzo(k)fluoranthene	15.180	252	731072m	29.80	ng	
90) Benzo(a)pyrene	15.533	252	1388621	61.99	ng	98
91) Dibenzo(a,h)anthracene	17.115	278	178444	8.99	ng	95
92) Benzo(g,h,i)perylene	17.562	276	577994	29.10	ng	98

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

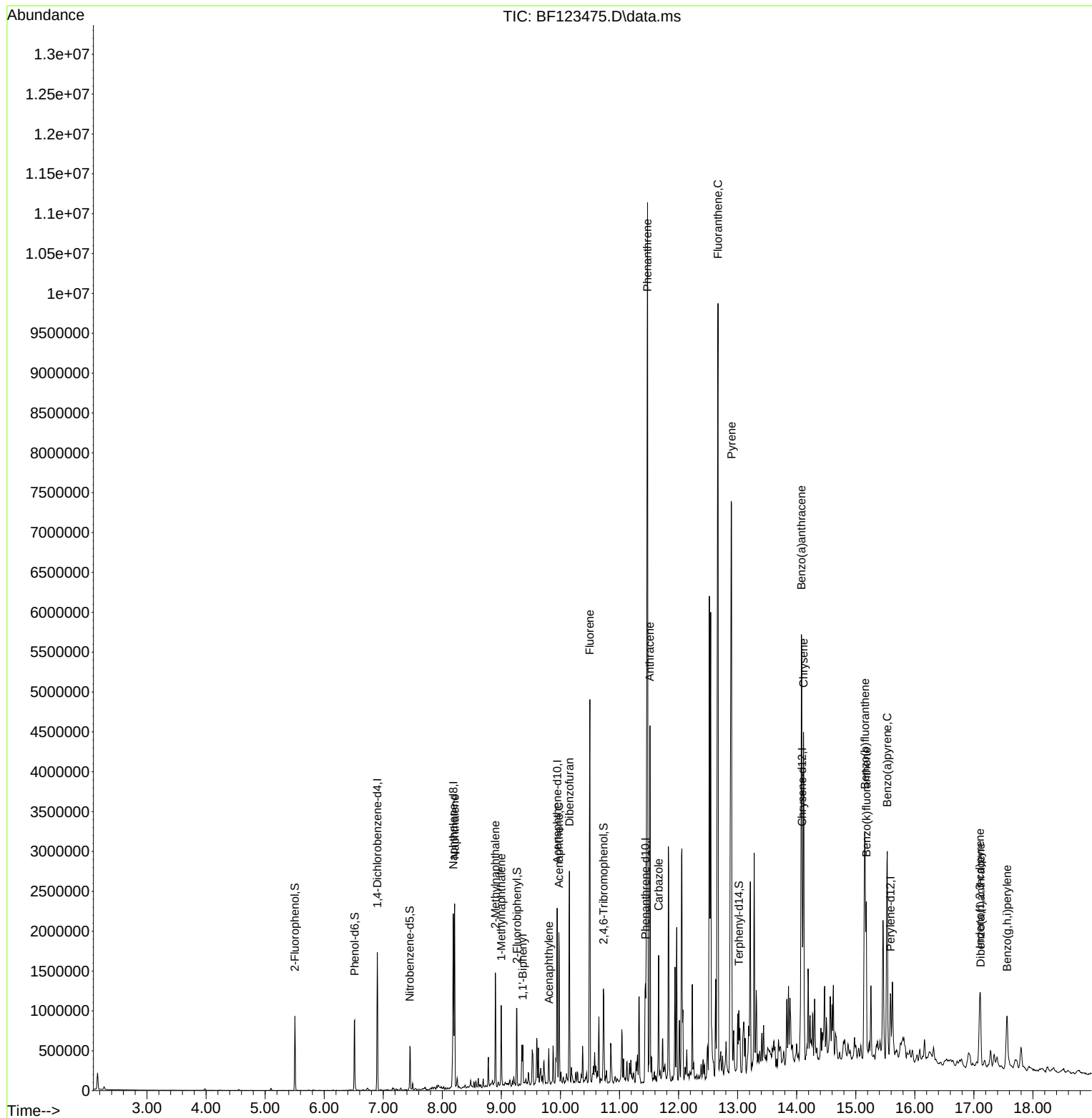
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
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Acq On : 25 Mar 2021 22:32
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ALS Vial : 22 Sample Multiplier: 1

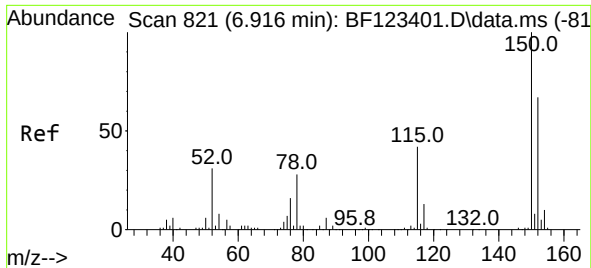
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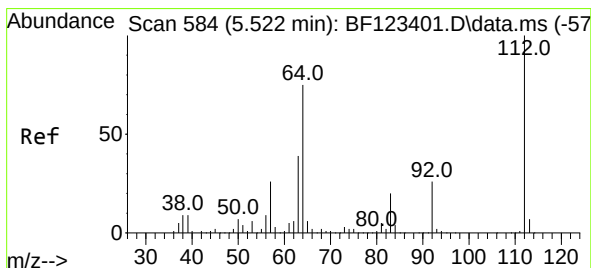
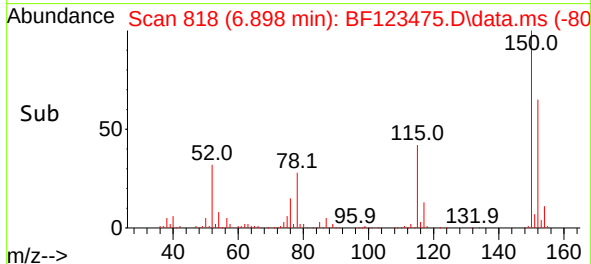
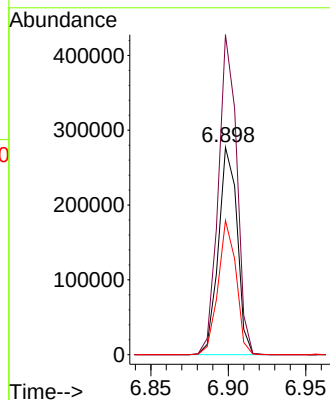
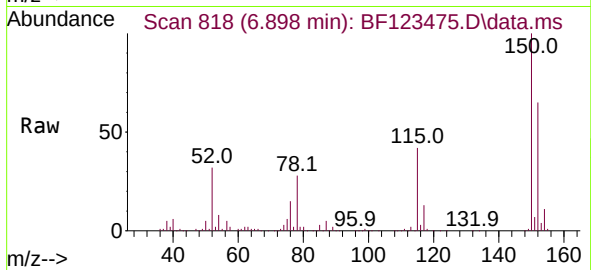
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.898 min Scan# 818
Delta R.T. 0.000 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

Instrument :
BNA_F
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SU-04-032421

Tgt Ion:152 Resp: 233377
Ion Ratio Lower Upper
152 100
150 154.3 125.8 188.6
115 64.8 49.3 73.9

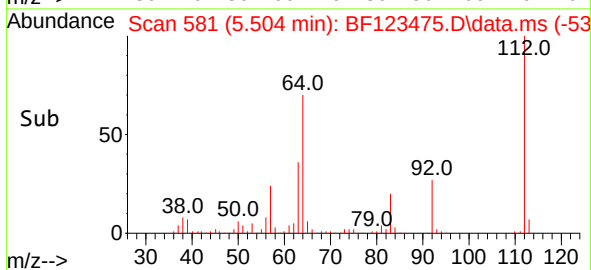
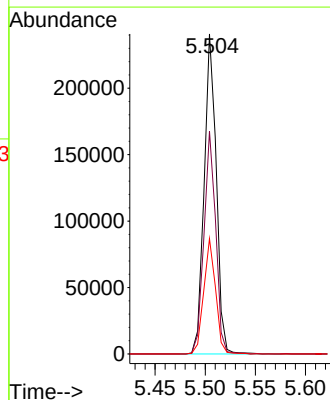
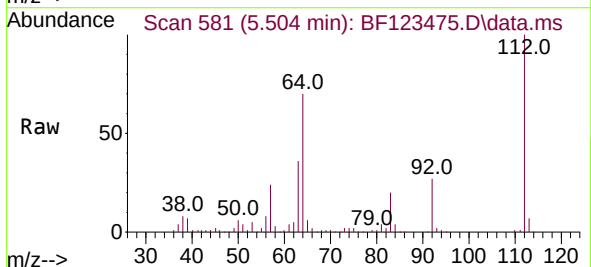
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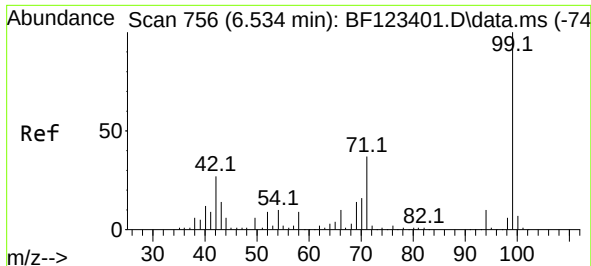
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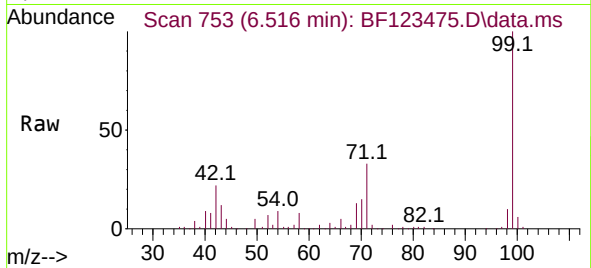
#5
2-Fluorophenol
Concen: 14.26 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

Tgt Ion:112 Resp: 203379
Ion Ratio Lower Upper
112 100
64 69.7 46.9 70.3
63 36.1 24.5 36.7

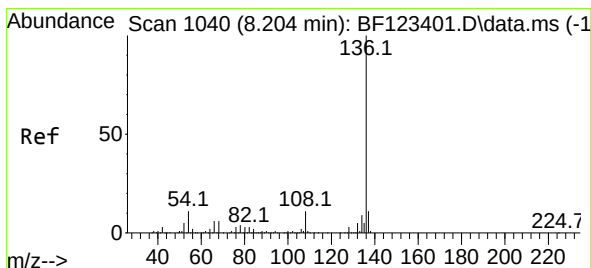
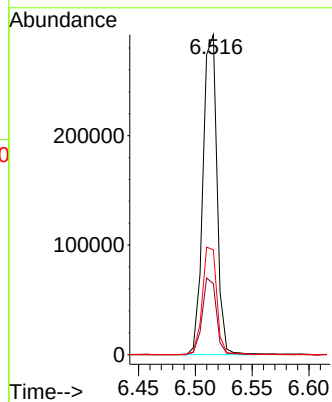
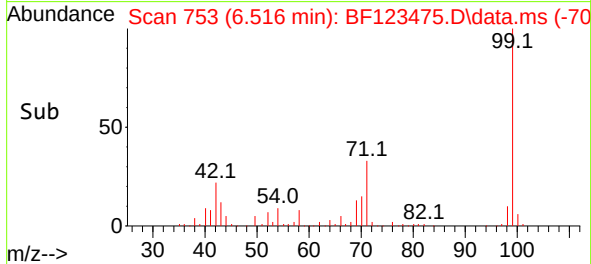




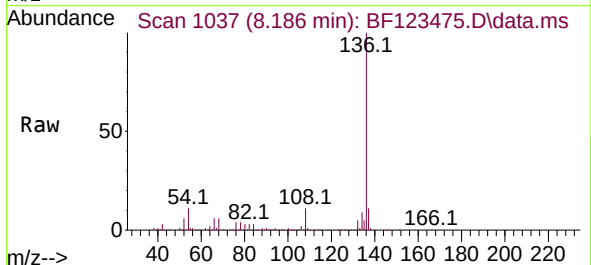
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Phenol-d6
Concen: 13.31 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.012 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32



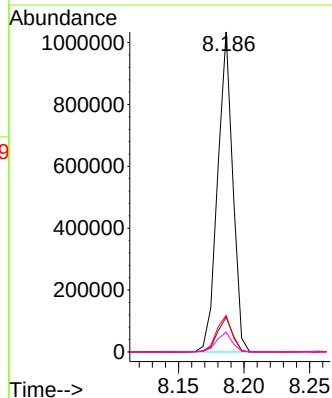
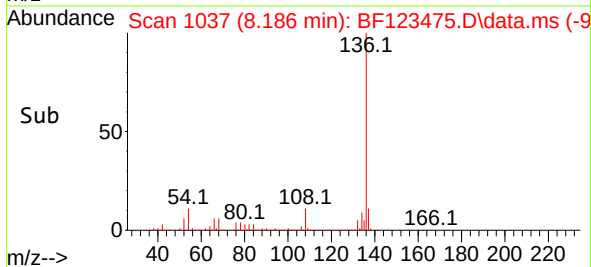
Tgt Ion: 99 Resp: 252695
Ion Ratio Lower Upper
99 100
42 22.2 13.8 20.6#
71 32.8 26.9 40.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. -0.000 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32



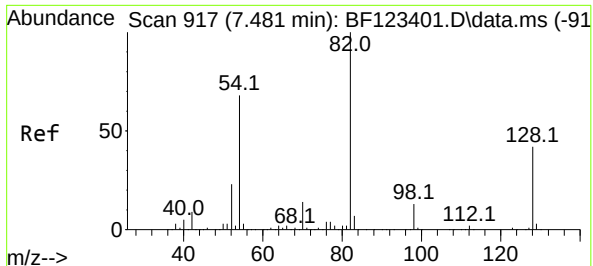
Tgt Ion: 136 Resp: 827126
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 11.4 5.5 8.3#
68 6.1 4.6 6.8



Instrument :
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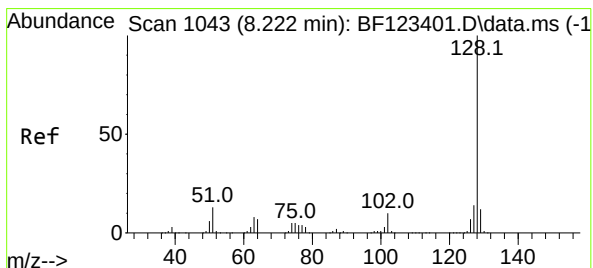
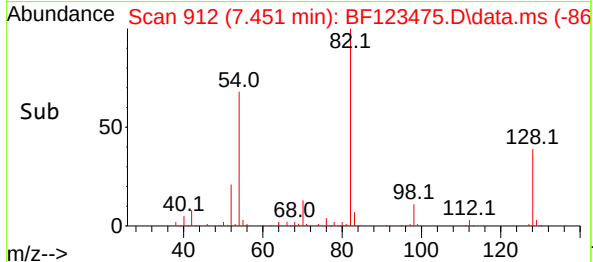
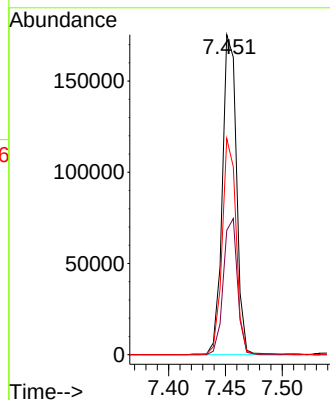
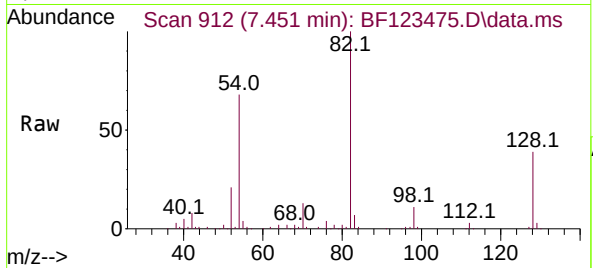
#23
Nitrobenzene-d5
Concen: 9.97 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

Tgt Ion: 82 Resp: 152784
Ion Ratio Lower Upper
82 100
128 38.8 37.0 55.4
54 67.5 38.4 57.6#

Instrument :
BNA_F
ClientSampleId :
SU-04-032421

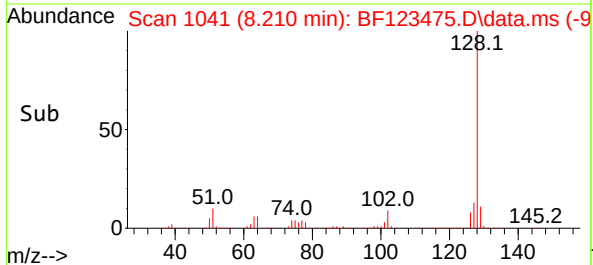
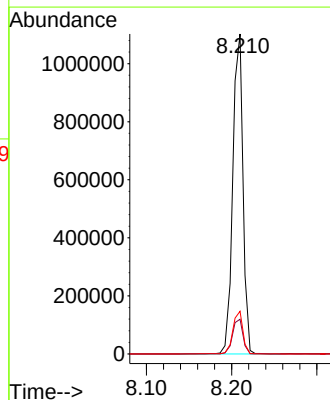
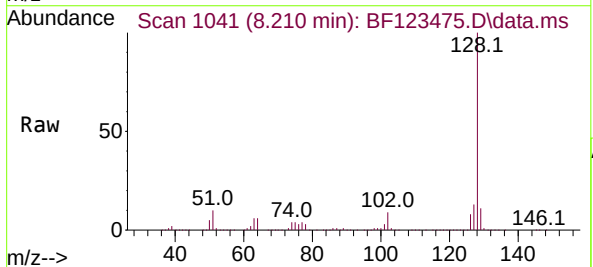
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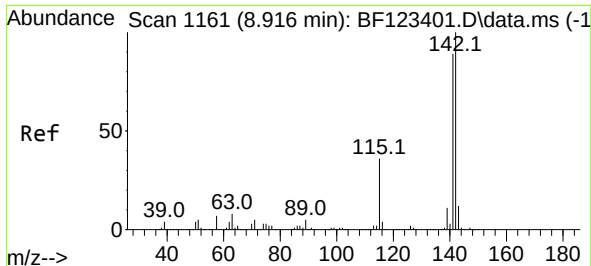
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#31
Naphthalene
Concen: 20.74 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.000 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

Tgt Ion: 128 Resp: 922215
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 13.3 10.7 16.1





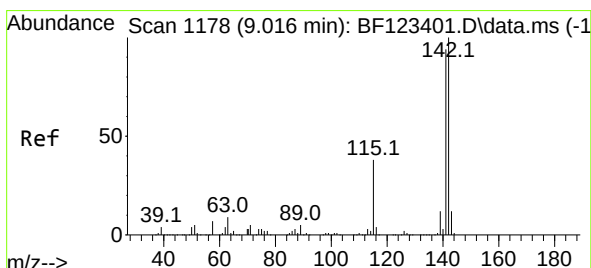
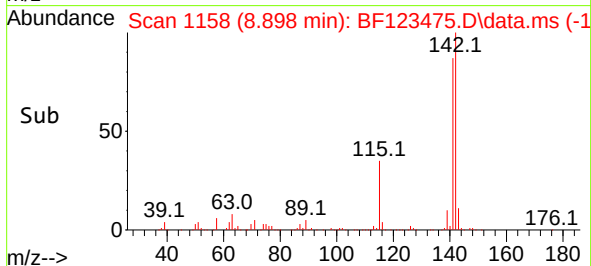
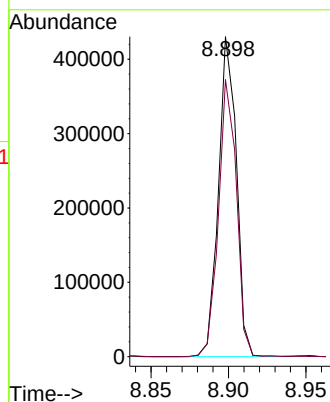
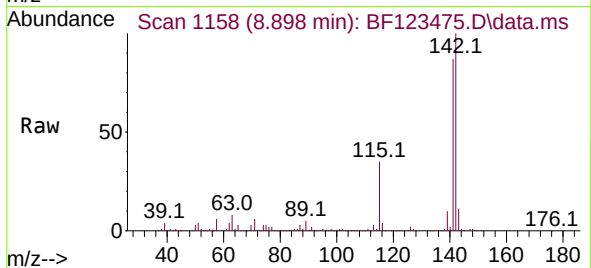
#37
2-Methylnaphthalene
Concen: 11.37 ng
RT: 8.898 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

Tgt Ion:142 Resp: 346622
Ion Ratio Lower Upper
142 100
141 86.6 70.6 106.0

Instrument :
BNA_F
ClientSampleId :
SU-04-032421

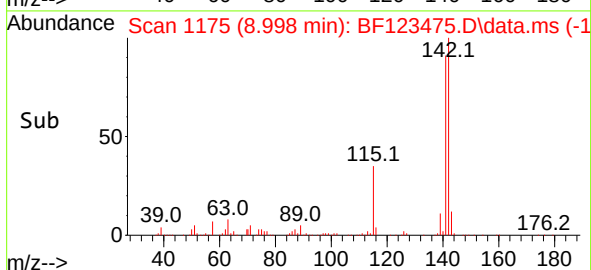
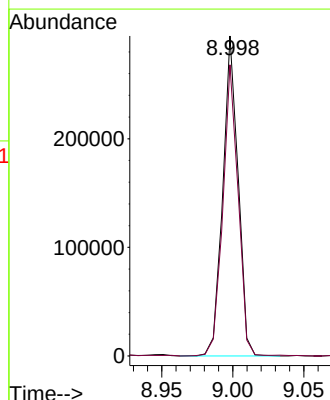
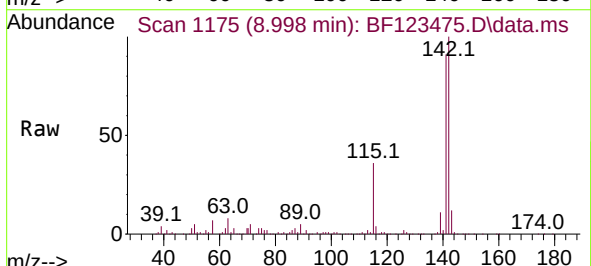
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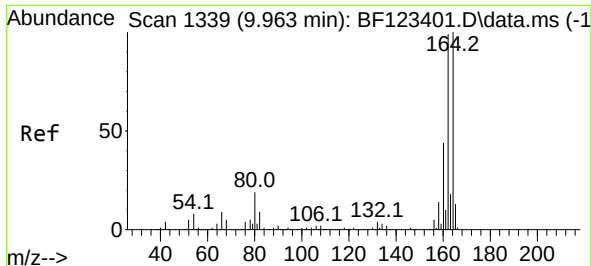
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#38
1-Methylnaphthalene
Concen: 7.68 ng
RT: 8.998 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

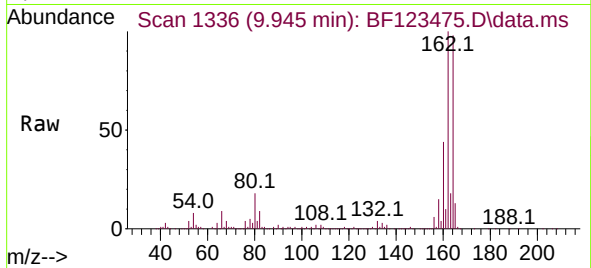
Tgt Ion:142 Resp: 219940
Ion Ratio Lower Upper
142 100
141 91.0 74.5 111.7





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.000 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

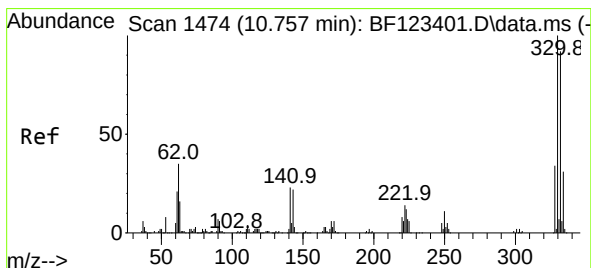
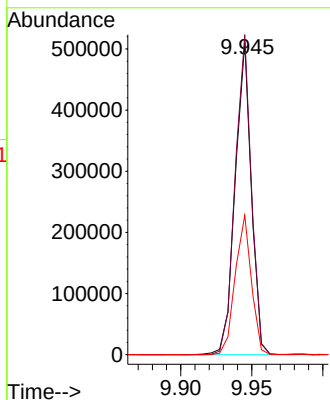
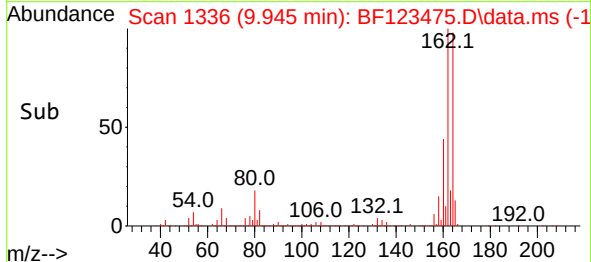
Instrument :
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ClientSampleId :
SU-04-032421



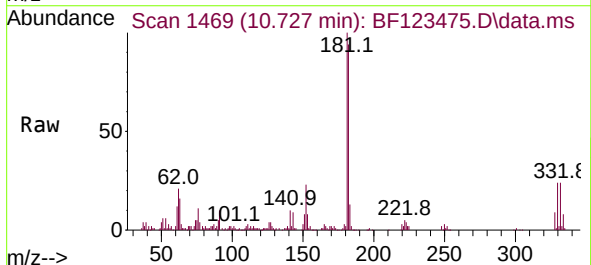
Tgt Ion:164 Resp: 403925
Ion Ratio Lower Upper
164 100
162 102.4 80.8 121.2
160 44.6 35.4 53.0

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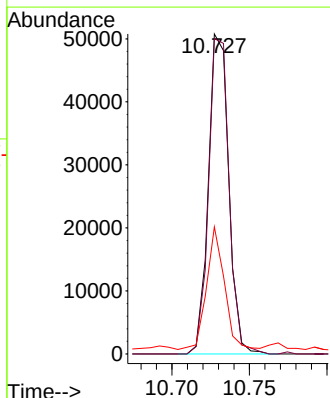
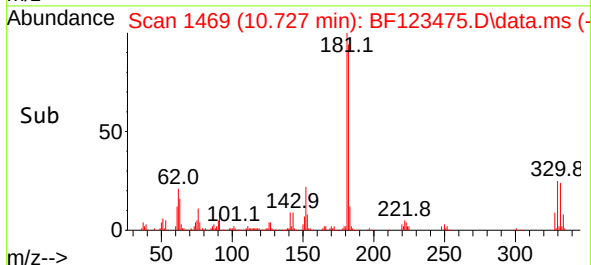
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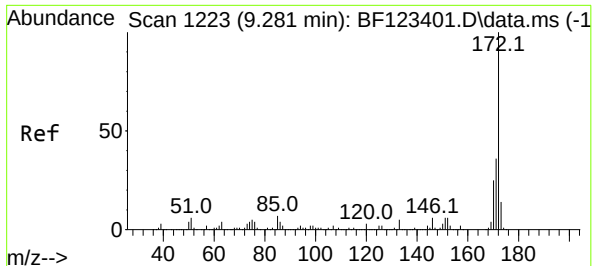


#42
2,4,6-Tribromophenol
Concen: 10.26 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.006 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32



Tgt Ion:330 Resp: 46342
Ion Ratio Lower Upper
330 100
332 99.1 77.5 116.3
141 33.5 23.8 35.8





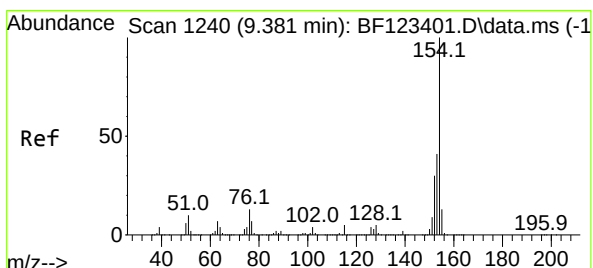
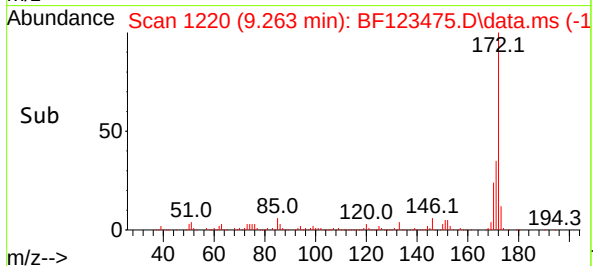
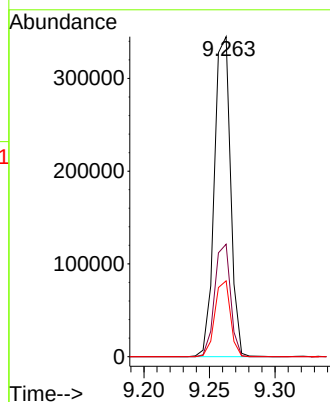
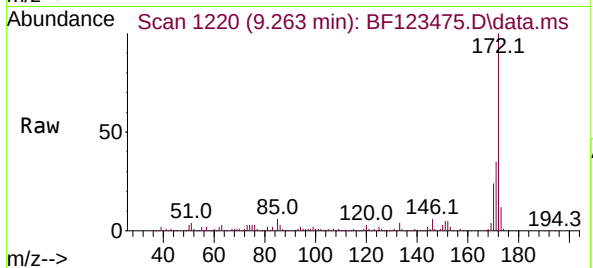
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2-Fluorobiphenyl
Concen: 10.49 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

Tgt Ion:172 Resp: 296658
Ion Ratio Lower Upper
172 100
171 35.2 29.6 44.4
170 23.7 19.5 29.3

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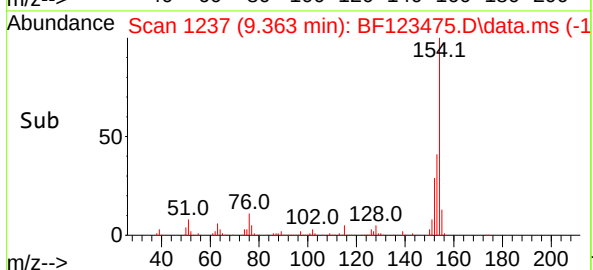
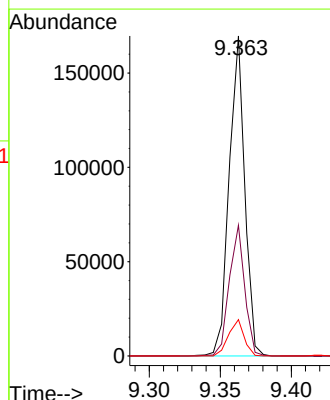
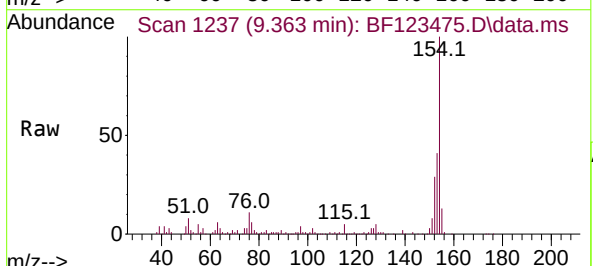
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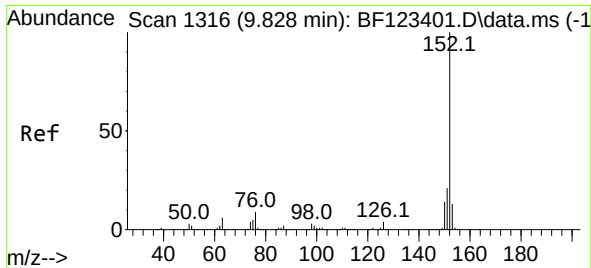
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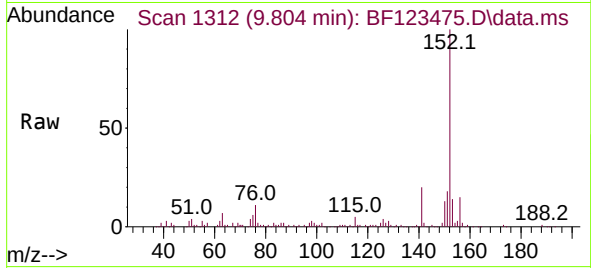
#46
1,1'-Biphenyl
Concen: 4.15 ng
RT: 9.363 min Scan# 1237
Delta R.T. -0.000 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

Tgt Ion:154 Resp: 129253
Ion Ratio Lower Upper
154 100
153 40.8 21.8 61.8
76 11.3 0.0 33.4

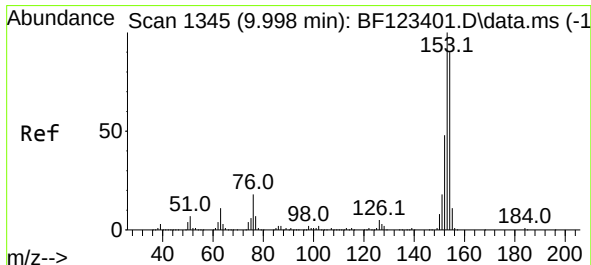
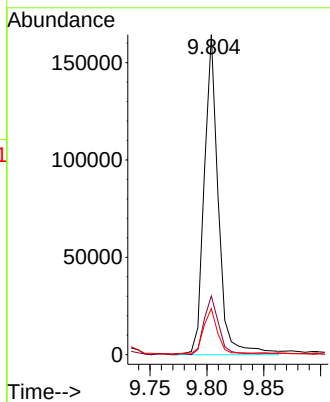
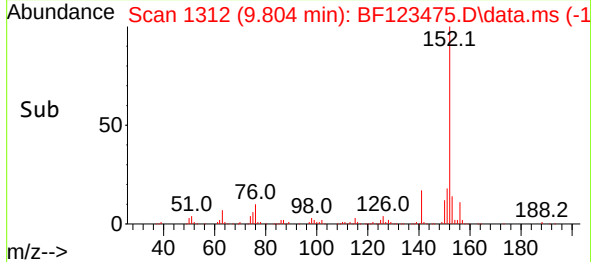




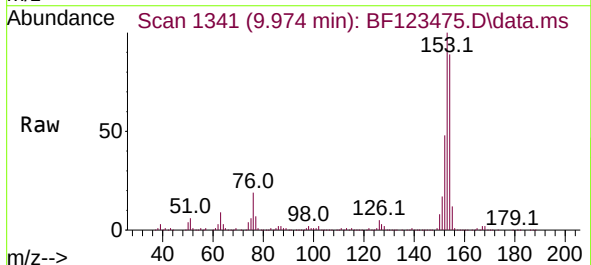
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Acenaphthylene
Concen: 3.57 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32



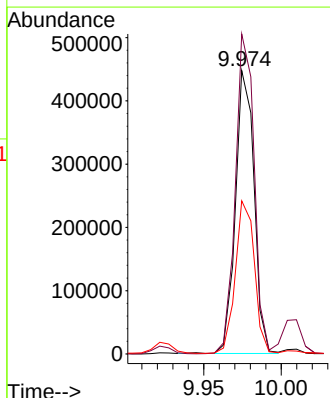
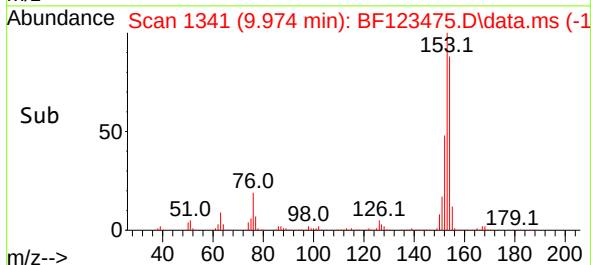
Tgt Ion:152 Resp: 141831
Ion Ratio Lower Upper
152 100
151 18.4 16.6 25.0
153 14.4 10.9 16.3



#52
Acenaphthene
Concen: 15.04 ng
RT: 9.974 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32



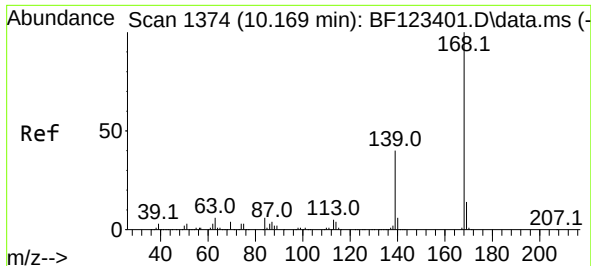
Tgt Ion:154 Resp: 372997
Ion Ratio Lower Upper
154 100
153 112.9 89.0 133.6
152 54.0 42.7 64.1



Instrument :
BNA_F
ClientSampleId :
SU-04-032421

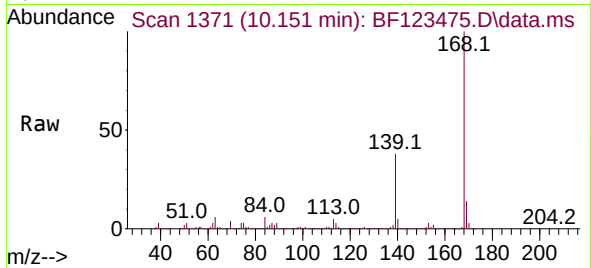
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#55
Dibenzenofuran
Concen: 24.74 ng
RT: 10.151 min Scan# 1371
Delta R.T. -0.000 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

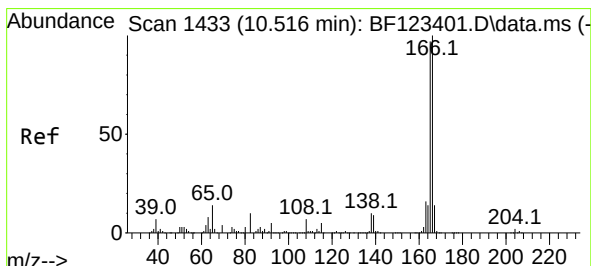
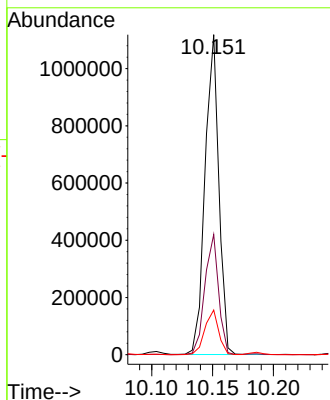
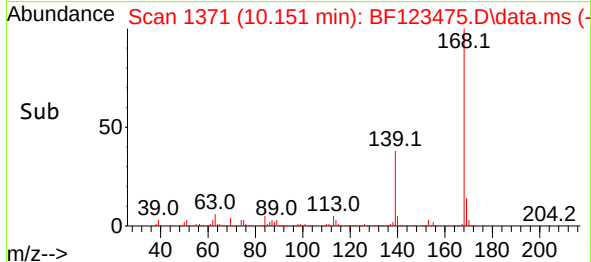
Instrument :
BNA_F
ClientSampleId :
SU-04-032421



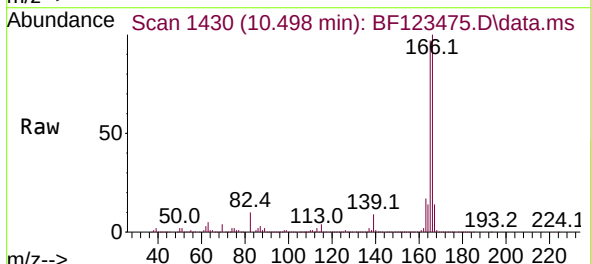
Tgt Ion:168 Resp: 881749
Ion Ratio Lower Upper
168 100
139 37.6 31.3 46.9
169 13.9 11.2 16.8

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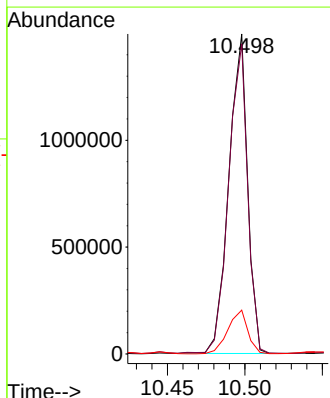
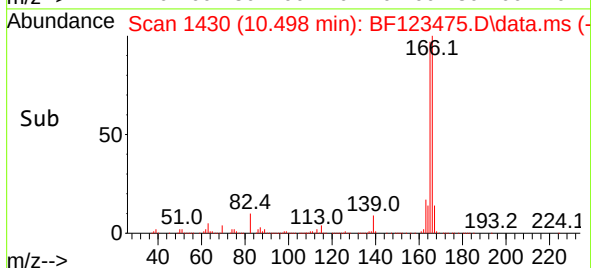
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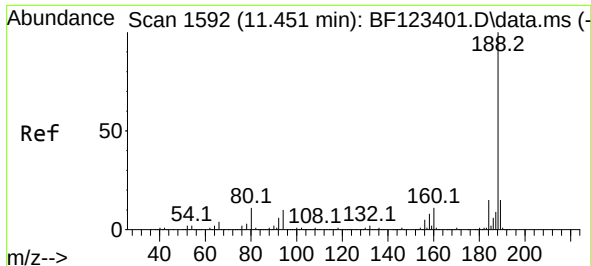


#58
Fluorene
Concen: 46.79 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32



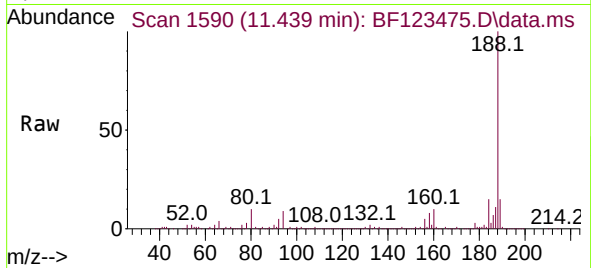
Tgt Ion:166 Resp: 1259047
Ion Ratio Lower Upper
166 100
165 96.9 79.4 119.0
167 13.7 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.006 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

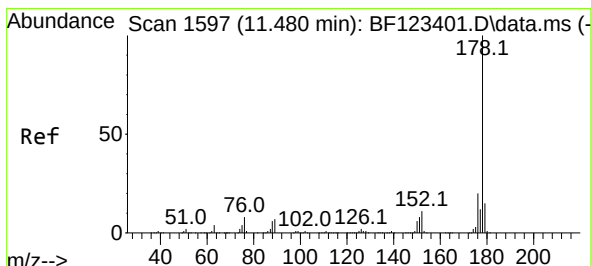
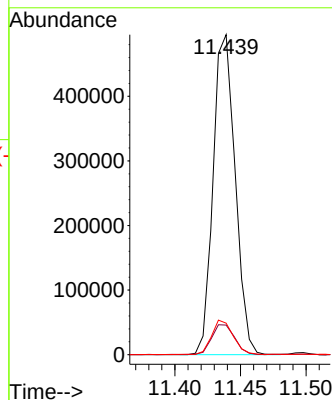
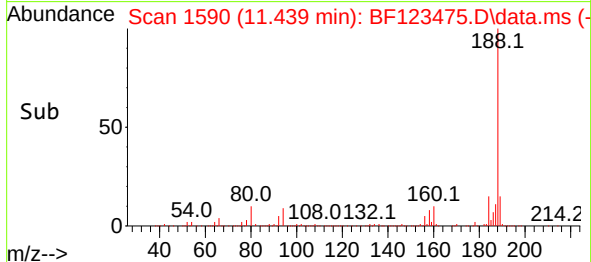
Instrument :
BNA_F
ClientSampleId :
SU-04-032421



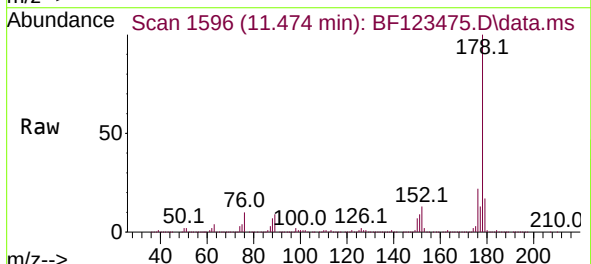
Tgt Ion:188 Resp: 580623
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 9.8 8.2 12.4

Manual Integrations
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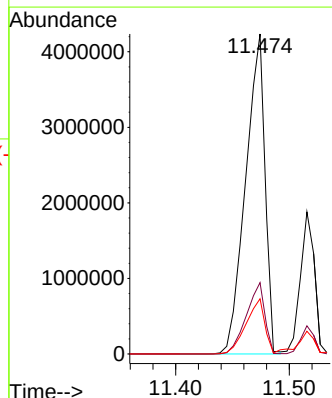
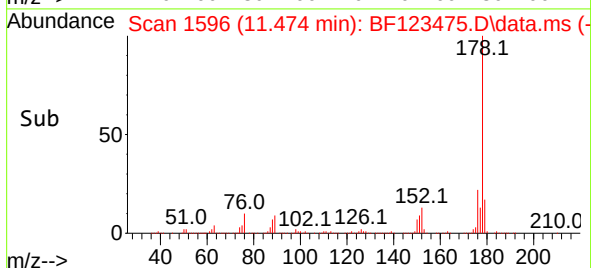
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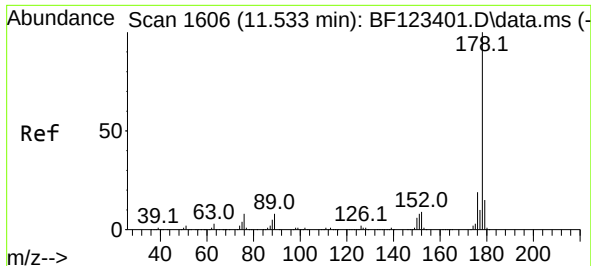


#71
Phenanthrene
Concen: 156.58 ng
RT: 11.474 min Scan# 1596
Delta R.T. 0.012 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32



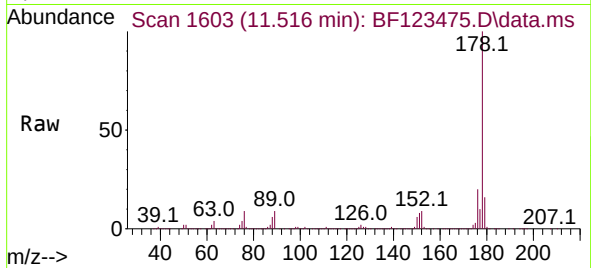
Tgt Ion:178 Resp: 5025774
Ion Ratio Lower Upper
178 100
176 22.3 16.2 24.2
179 17.2 12.7 19.1





#72
 Anthracene
 Concen: 50.61 ng
 RT: 11.516 min Scan# 1603
 Delta R.T. 0.006 min
 Lab File: BF123475.D
 Acq: 25 Mar 2021 22:32

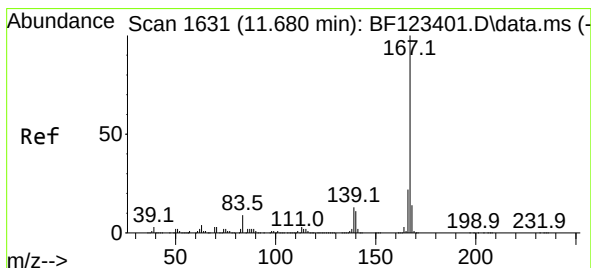
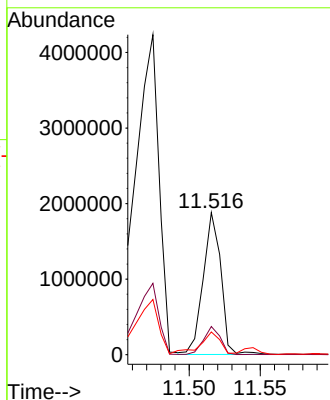
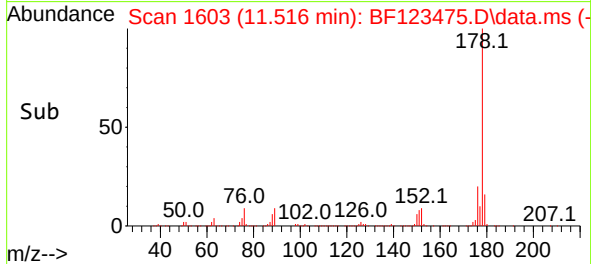
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-032421



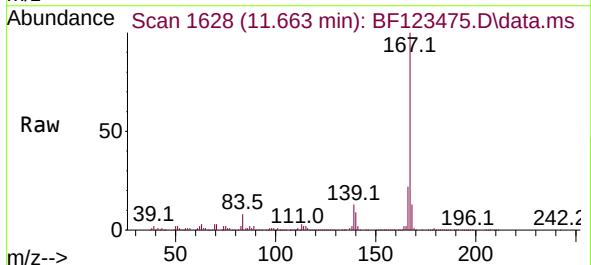
Tgt Ion:178 Resp: 1633896
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.6 23.4
 179 16.0 12.8 19.2

Manual Integrations
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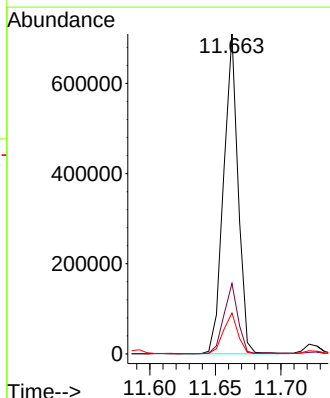
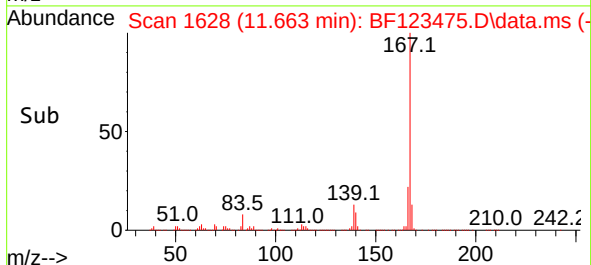
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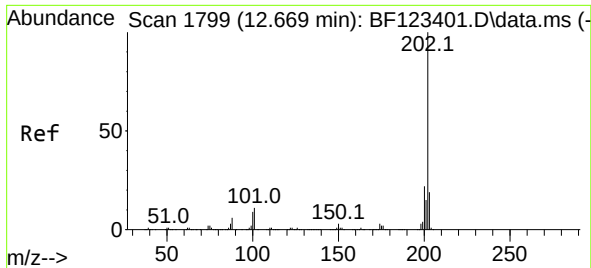


#73
 Carbazole
 Concen: 17.84 ng
 RT: 11.663 min Scan# 1628
 Delta R.T. -0.000 min
 Lab File: BF123475.D
 Acq: 25 Mar 2021 22:32



Tgt Ion:167 Resp: 544127
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.0 27.0
 139 12.8 10.9 16.3





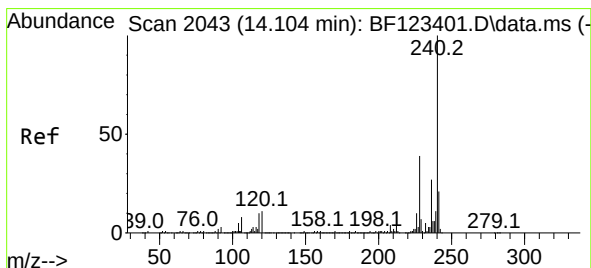
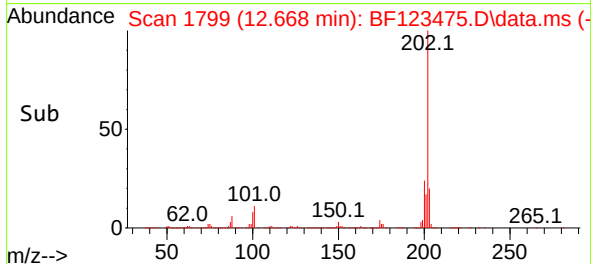
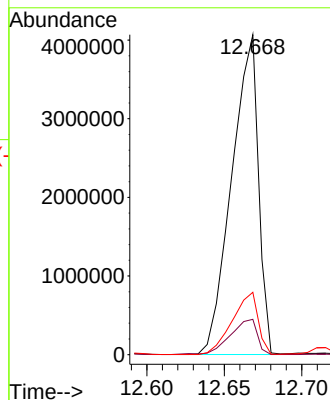
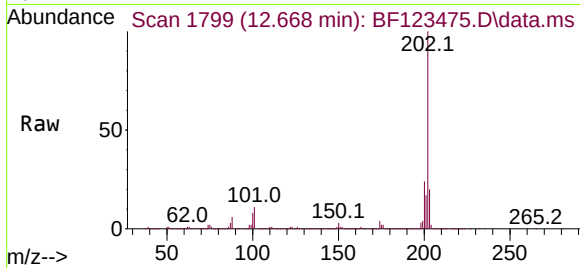
#75
Fluoranthene
Concen: 140.09 ng
RT: 12.668 min Scan# 1799
Delta R.T. 0.017 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

Tgt Ion:202 Resp: 4868659
Ion Ratio Lower Upper
202 100
101 11.1 0.0 32.2
203 19.5 0.0 38.1

Instrument :
BNA_F
ClientSampleId :
SU-04-032421

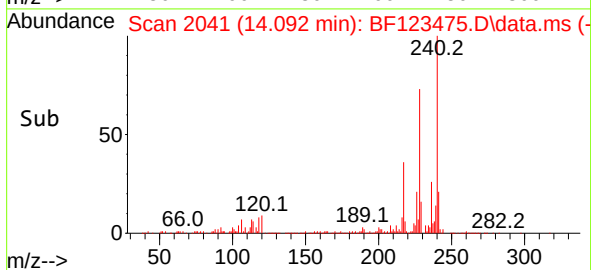
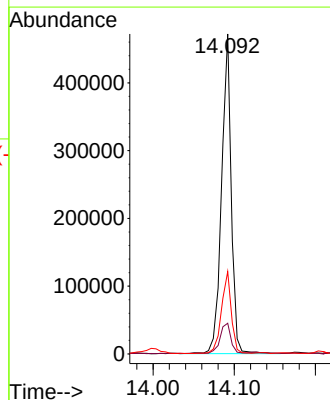
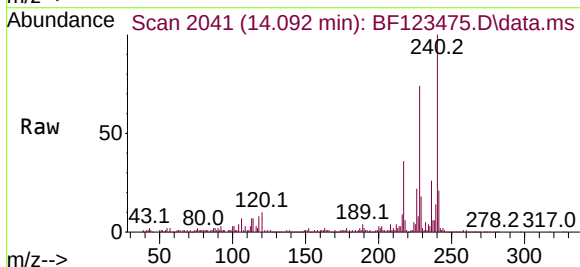
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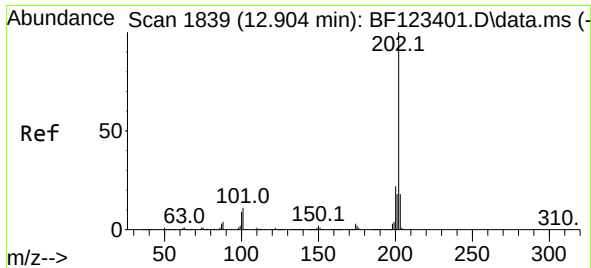
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.092 min Scan# 2041
Delta R.T. 0.012 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

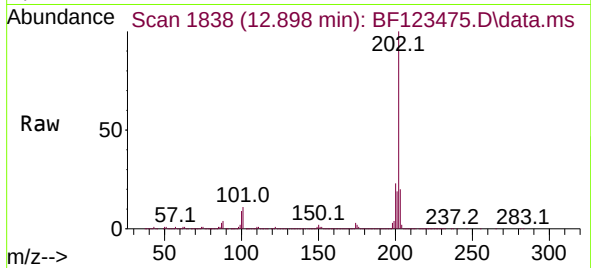
Tgt Ion:240 Resp: 392473
Ion Ratio Lower Upper
240 100
120 9.6 8.6 12.8
236 25.8 20.3 30.5





#78
Pyrene
Concen: 114.71 ng
RT: 12.898 min Scan# 1838
Delta R.T. 0.017 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

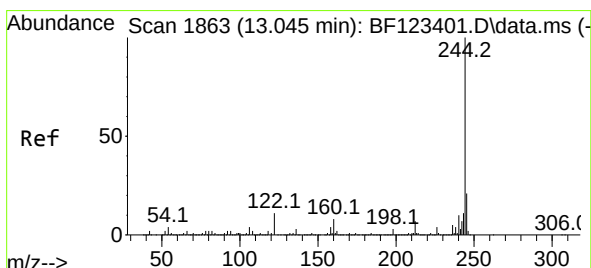
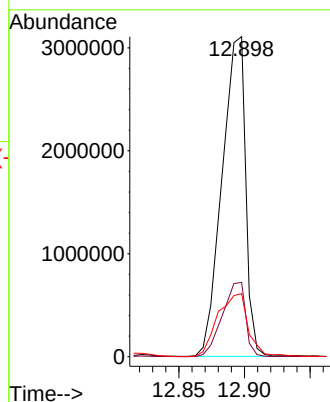
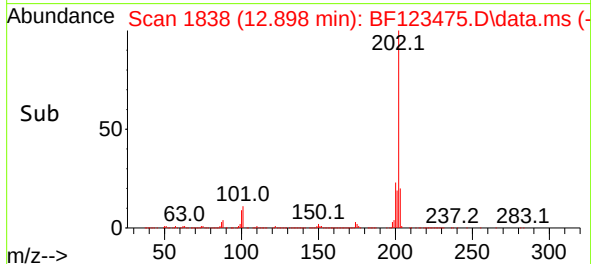
Instrument :
BNA_F
ClientSampleId :
SU-04-032421



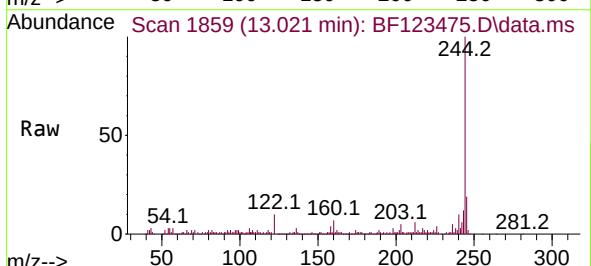
Tgt Ion:202 Resp: 3883521
Ion Ratio Lower Upper
202 100
200 23.2 17.6 26.4
203 19.7 14.6 21.8

Manual Integrations
APPROVED

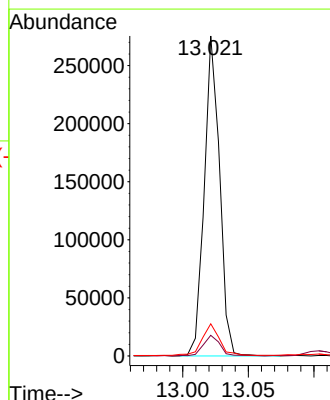
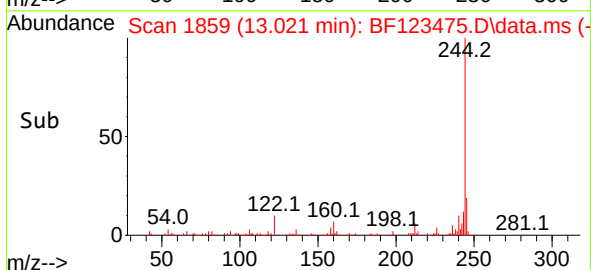
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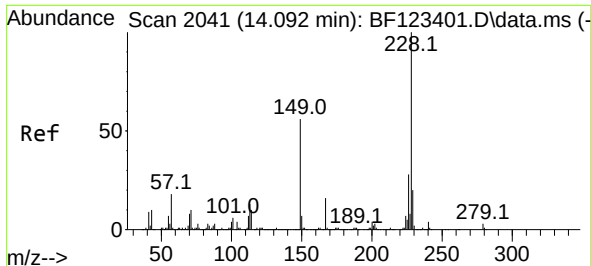


#79
Terphenyl-d14
Concen: 9.72 ng
RT: 13.021 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

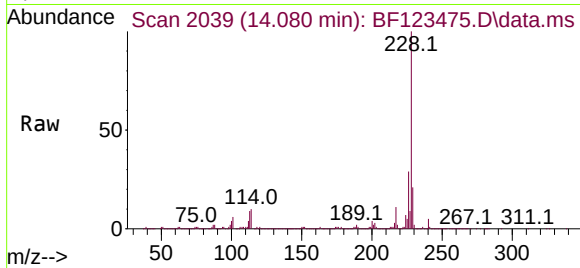


Tgt Ion:244 Resp: 225068
Ion Ratio Lower Upper
244 100
212 6.4 5.7 8.5
122 10.1 8.3 12.5





#81
Benzo(a)anthracene
Concen: 87.07 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.006 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

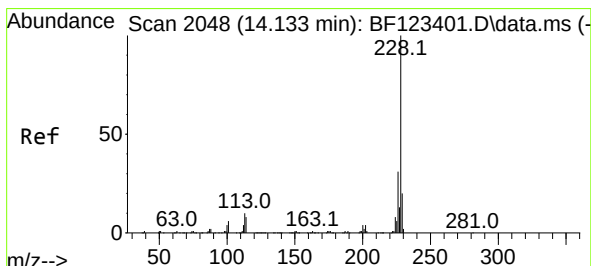
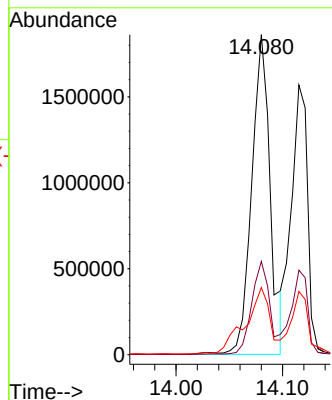
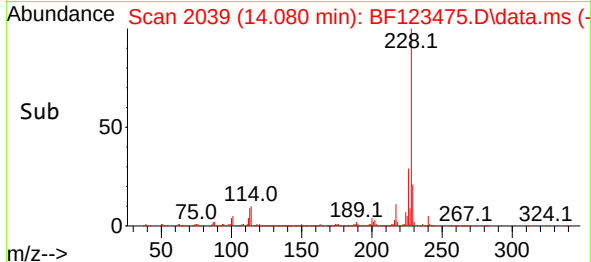


Tgt Ion:228 Resp: 2236786
Ion Ratio Lower Upper
228 100
226 29.1 23.0 34.4
229 21.0 16.6 24.8

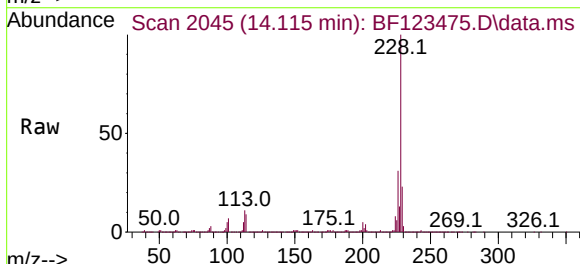
Instrument :
BNA_F
ClientSampleId :
SU-04-032421

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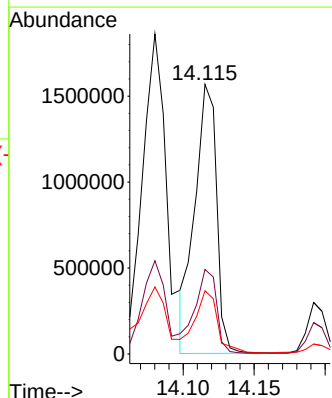
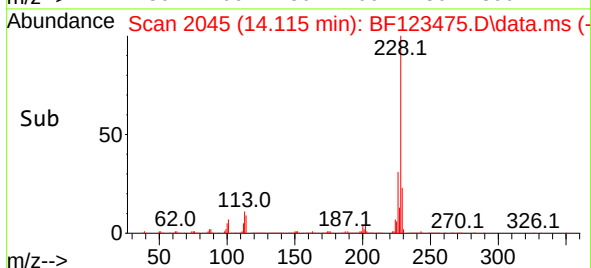
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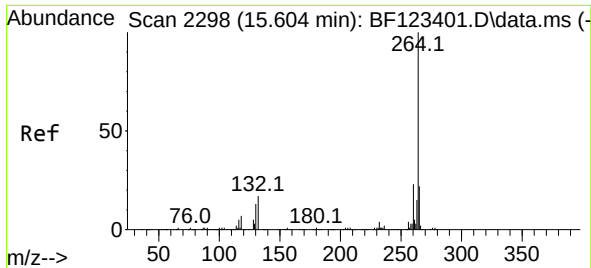


#83
Chrysene
Concen: 63.08 ng
RT: 14.115 min Scan# 2045
Delta R.T. 0.006 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32



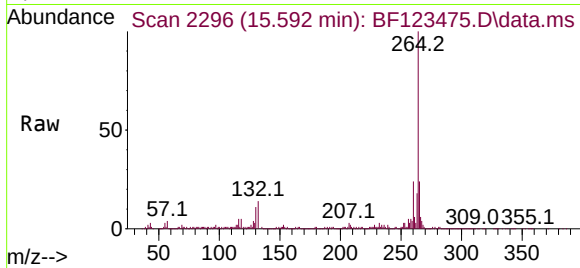
Tgt Ion:228 Resp: 1672726
Ion Ratio Lower Upper
228 100
226 31.3 24.6 36.8
229 23.5 15.8 23.6





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.592 min Scan# 2296
Delta R.T. 0.017 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

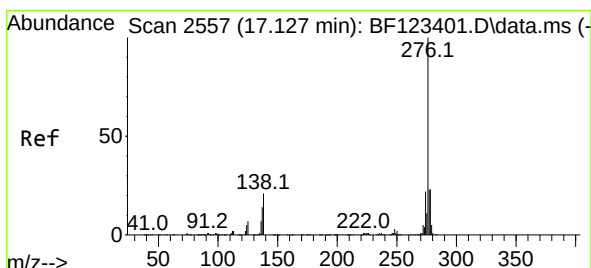
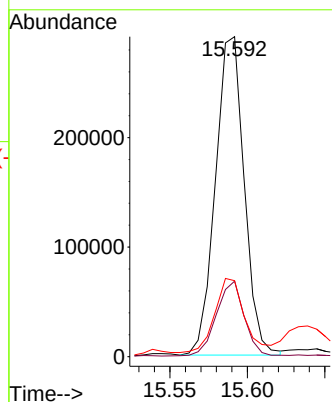
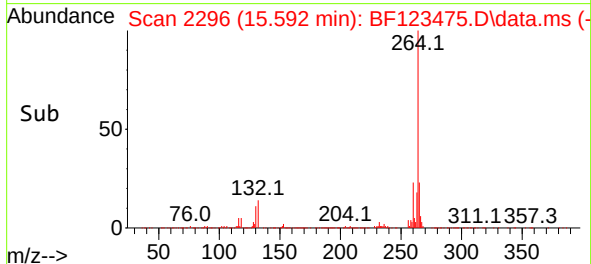
Instrument :
BNA_F
ClientSampleId :
SU-04-032421



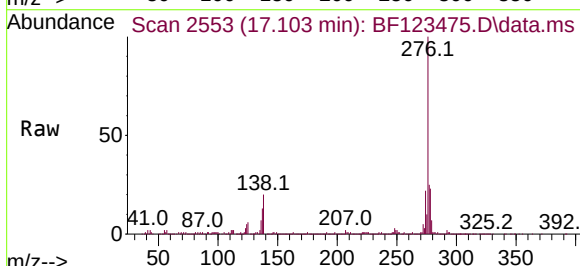
Tgt Ion:264 Resp: 376133
Ion Ratio Lower Upper
264 100
260 23.6 18.6 28.0
265 23.8 17.0 25.6

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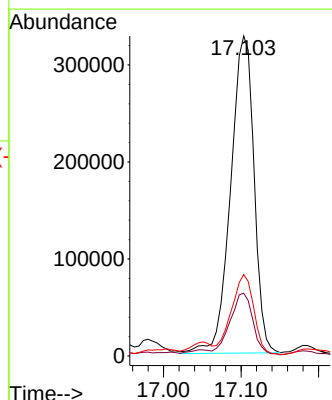
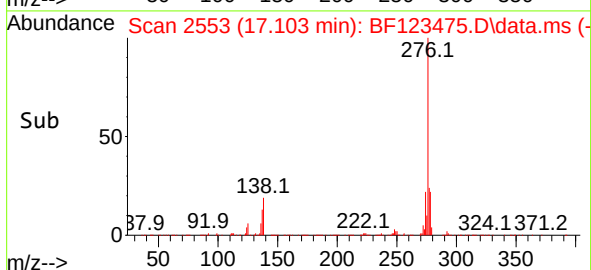
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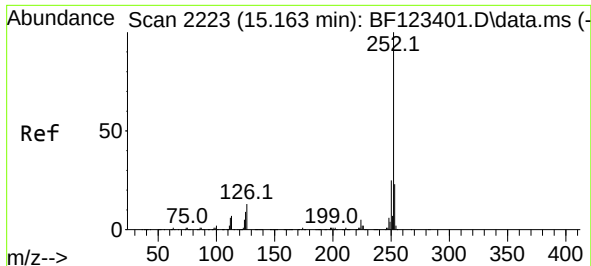


#87
Indeno(1,2,3-cd)pyrene
Concen: 29.46 ng
RT: 17.103 min Scan# 2553
Delta R.T. 0.017 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32



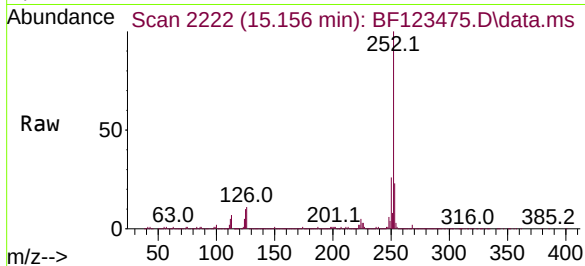
Tgt Ion:276 Resp: 688535
Ion Ratio Lower Upper
276 100
138 18.9 18.7 28.1
277 24.3 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 75.59 ng m
RT: 15.156 min Scan# 2222
Delta R.T. 0.017 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

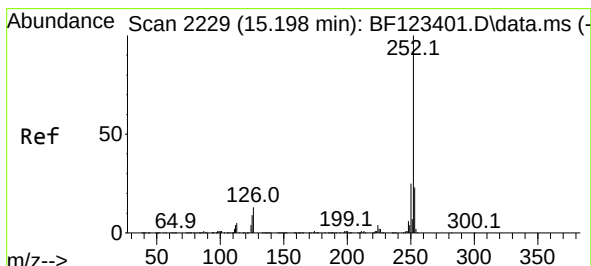
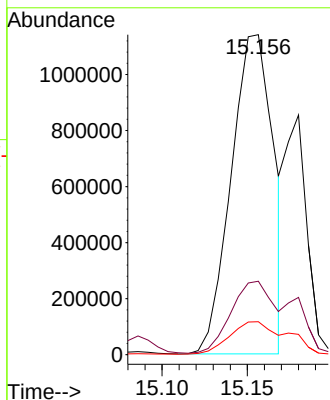
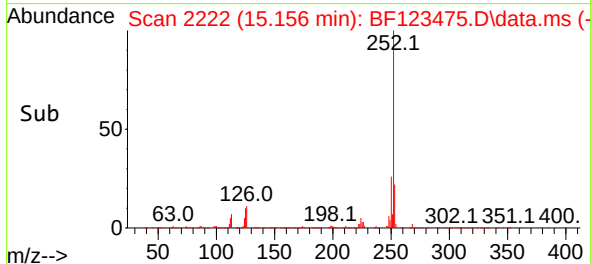
Instrument :
BNA_F
ClientSampleId :
SU-04-032421



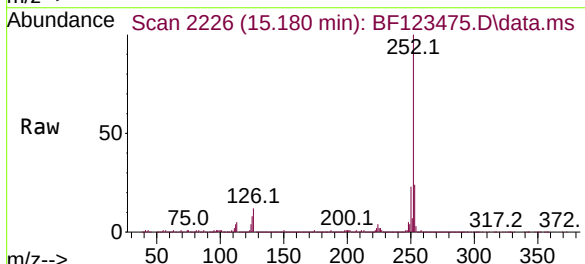
Tgt Ion:252 Resp: 1961550
Ion Ratio Lower Upper
252 100
253 22.9 18.3 27.5
125 10.3 8.1 12.1

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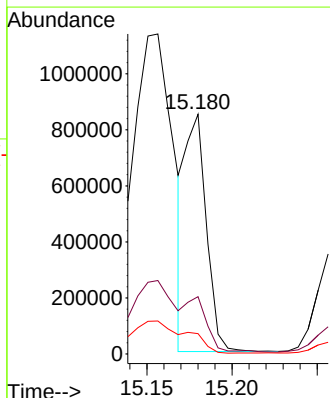
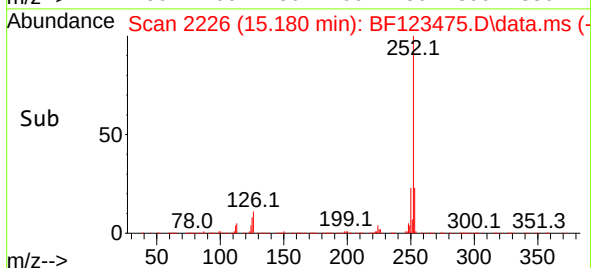
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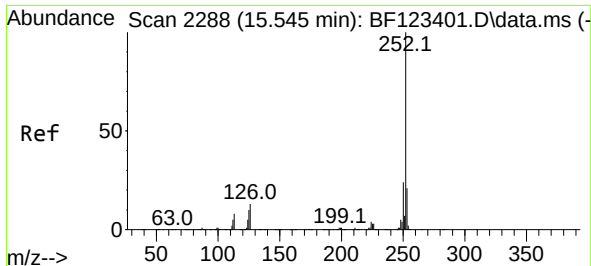


#89
Benzo(k)fluoranthene
Concen: 29.80 ng m
RT: 15.180 min Scan# 2226
Delta R.T. 0.012 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32



Tgt Ion:252 Resp: 731072
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 8.5 8.4 12.6





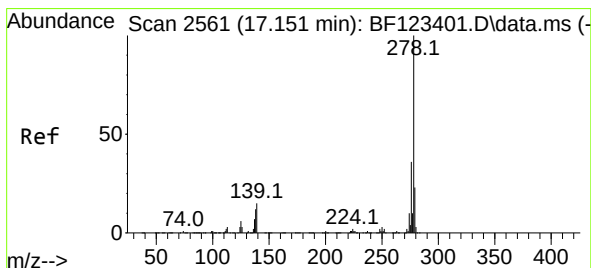
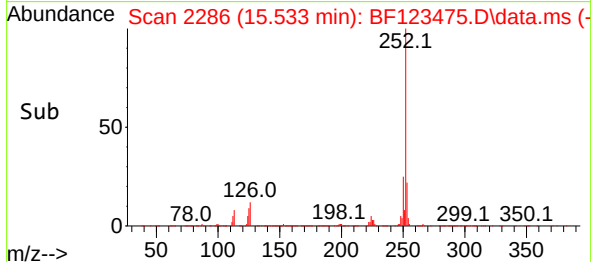
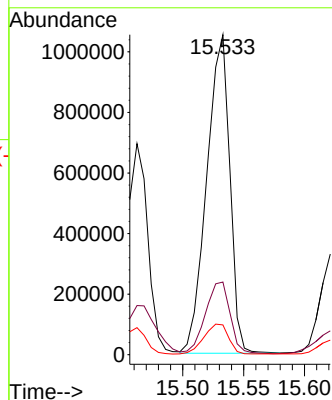
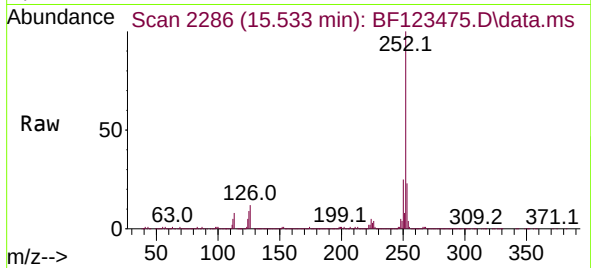
#90
Benzo(a)pyrene
Concen: 61.99 ng
RT: 15.533 min Scan# 2286
Delta R.T. 0.017 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

Tgt Ion:252 Resp: 1388621
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 9.3 8.6 12.8

Instrument :
BNA_F
ClientSampleId :
SU-04-032421

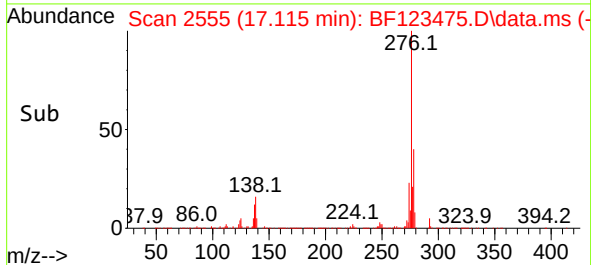
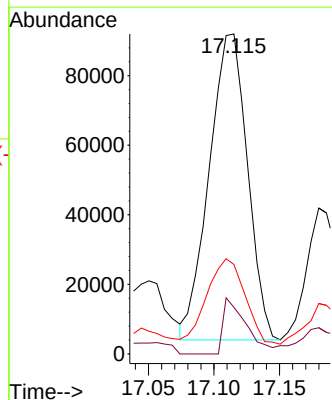
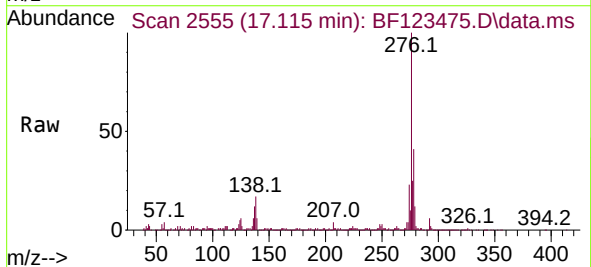
Manual Integrations
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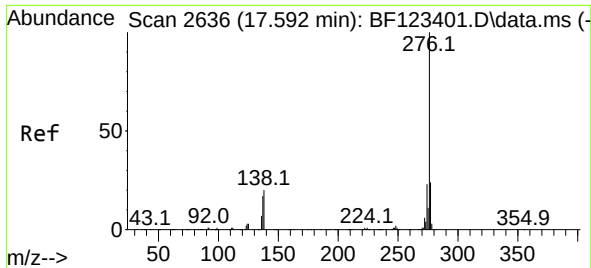
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#91
Dibenzo(a,h)anthracene
Concen: 8.99 ng
RT: 17.115 min Scan# 2555
Delta R.T. 0.012 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

Tgt Ion:278 Resp: 178444
Ion Ratio Lower Upper
278 100
139 14.6 12.0 18.0
279 28.0 19.4 29.2





#92
Benzo(g,h,i)perylene
Concen: 29.10 ng
RT: 17.562 min Scan# 2631
Delta R.T. 0.017 min
Lab File: BF123475.D
Acq: 25 Mar 2021 22:32

Tgt Ion: 276 Resp: 577994
Ion Ratio Lower Upper
276 100
277 23.0 19.3 28.9
138 19.7 16.6 24.8

Instrument :
BNA_F
ClientSampleId :
SU-04-032421

Manual Integrations
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