

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032621\
 Data File : BF123497.D
 Acq On : 26 Mar 2021 21:08
 Operator : JU/CG
 Sample : M1793-01DL 25X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-032421DL

Manual Integrations
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Quant Time: Mar 26 22:59:32 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 26 12:51:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	263092	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	967496	20.00	ng	# 0.00
39) Acenaphthene-d10	9.945	164	514781	20.00	ng	0.00
64) Phenanthrene-d10	11.433	188	821539	20.00	ng	0.00
76) Chrysene-d12	14.080	240	493057	20.00	ng	0.00
86) Perylene-d12	15.580	264	541113	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	41082	2.55	ng	-0.01
7) Phenol-d6	6.510	99	56540	2.64	ng	-0.02
23) Nitrobenzene-d5	7.451	82	34112	1.90	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	13214	2.30	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	73483	2.04	ng	0.00
79) Terphenyl-d14	13.016	244	65623	2.26	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.204	128	232705	4.47	ng	99
37) 2-Methylnaphthalene	8.898	142	84738	2.38	ng	99
52) Acenaphthene	9.975	154	102873	3.26	ng	100
55) Dibenzofuran	10.145	168	247943	5.46	ng	99
58) Fluorene	10.492	166	385387	11.24	ng	95
71) Phenanthrene	11.463	178	1862276	41.01	ng	99
72) Anthracene	11.510	178	513969	11.25	ng	98
73) Carbazole	11.657	167	153455	3.56	ng	98
75) Fluoranthene	12.651	202	1691526	34.40	ng	98
78) Pyrene	12.880	202	1254553	29.50	ng	100
81) Benzo(a)anthracene	14.068	228	586700	18.18	ng	99
83) Chrysene	14.104	228	457013	13.72	ng	97
87) Indeno(1,2,3-cd)pyrene	17.086	276	251510m	7.48	ng	
88) Benzo(b)fluoranthene	15.139	252	587396m	15.73	ng	
89) Benzo(k)fluoranthene	15.162	252	177098m	5.02	ng	
90) Benzo(a)pyrene	15.509	252	432414	13.42	ng	97
91) Dibenzo(a,h)anthracene	17.092	278	68730	2.41	ng	95
92) Benzo(g,h,i)perylene	17.539	276	216330	7.57	ng	97

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

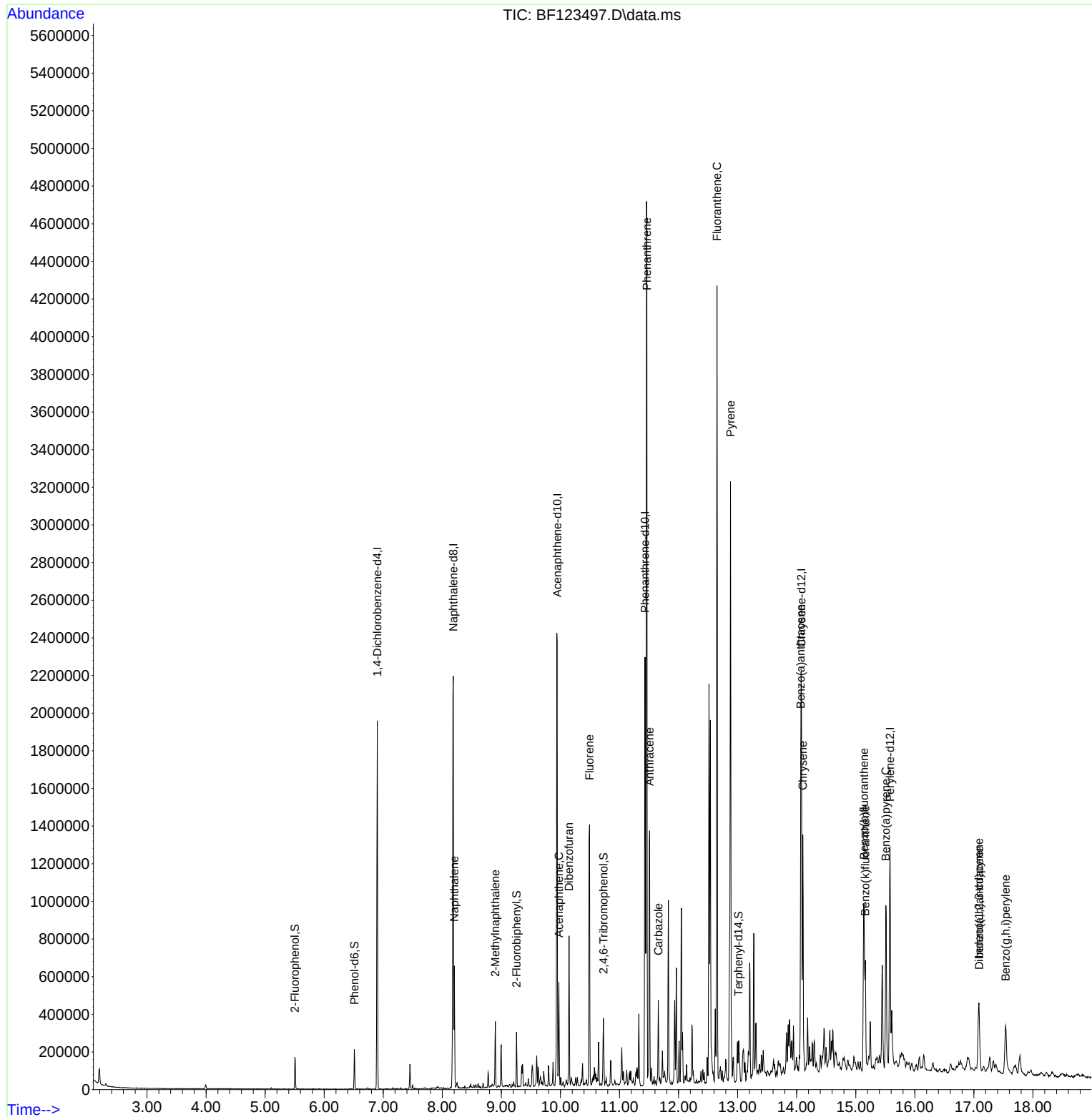
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Data File : BF123497.D
Acq On : 26 Mar 2021 21:08
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ALS Vial : 22 Sample Multiplier: 1

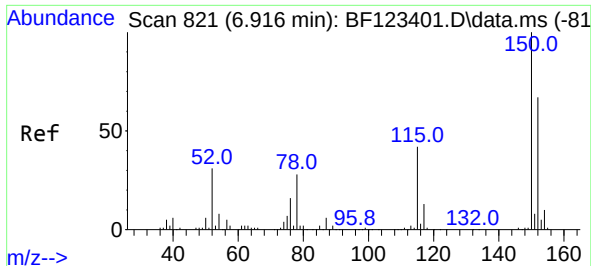
Instrument :
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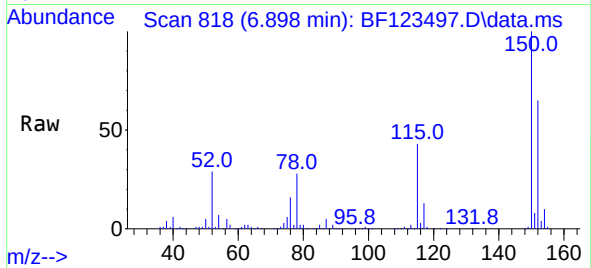
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Quant Time: Mar 26 22:59:32 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 26 12:51:59 2021
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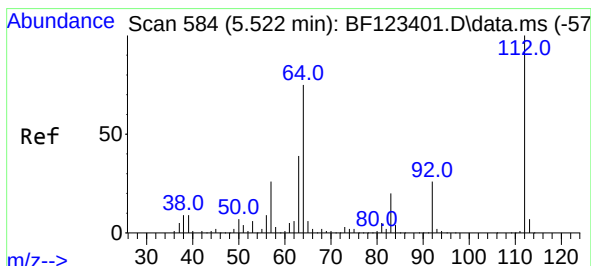
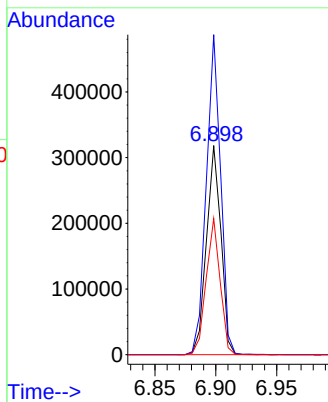
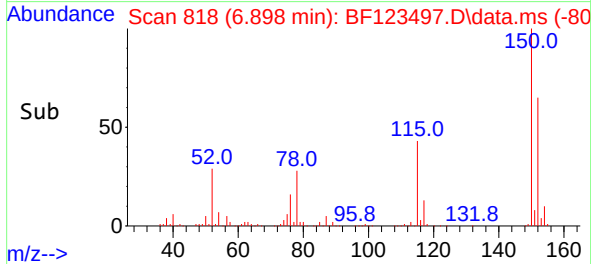




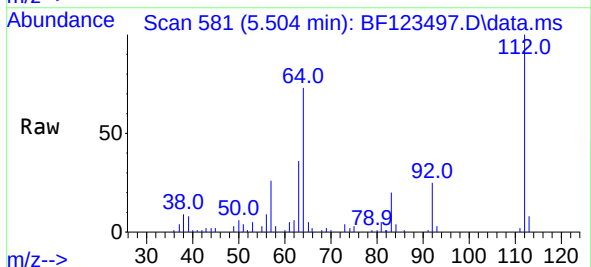
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1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.898 min Scan# 818
Delta R.T. 0.000 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08



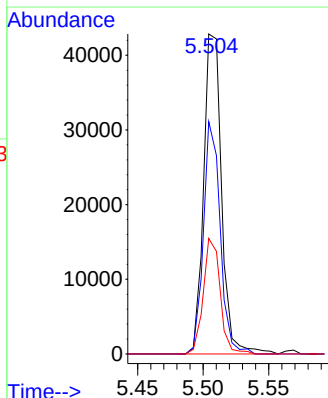
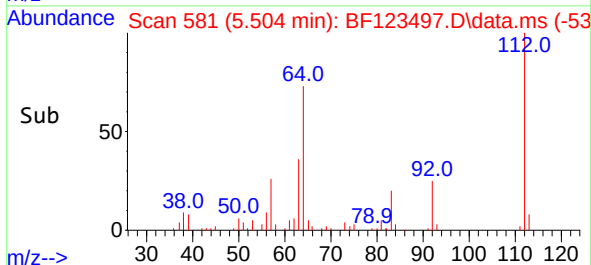
Tgt Ion:152 Resp: 263092
Ion Ratio Lower Upper
152 100
150 153.0 125.8 188.6
115 65.1 49.3 73.9



#5
2-Fluorophenol
Concen: 2.55 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.012 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08



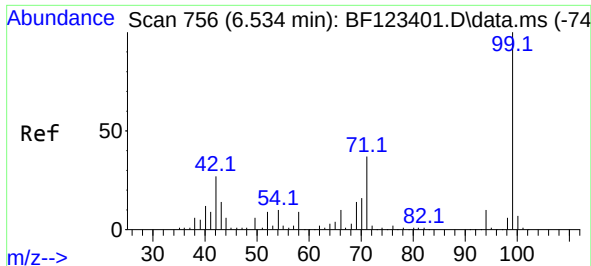
Tgt Ion:112 Resp: 41082
Ion Ratio Lower Upper
112 100
64 72.6 46.9 70.3#
63 36.1 24.5 36.7



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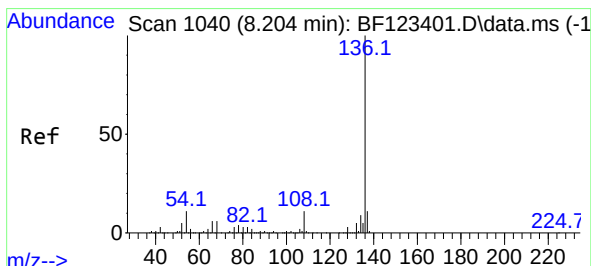
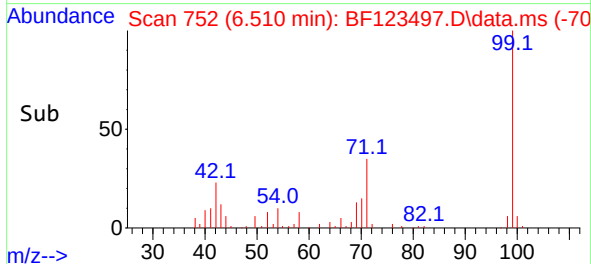
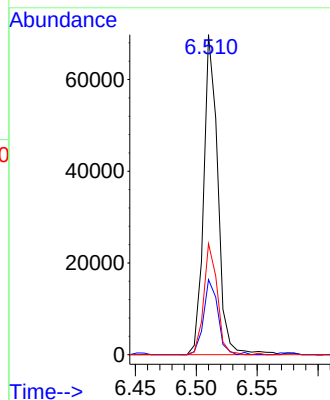
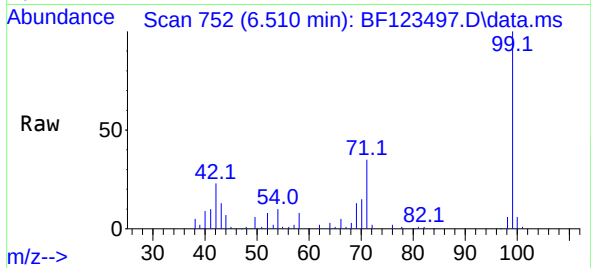
#7
Phenol-d6
Concen: 2.64 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.018 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08

Tgt Ion: 99 Resp: 56540
Ion Ratio Lower Upper
99 100
42 23.4 13.8 20.6#
71 34.7 26.9 40.3

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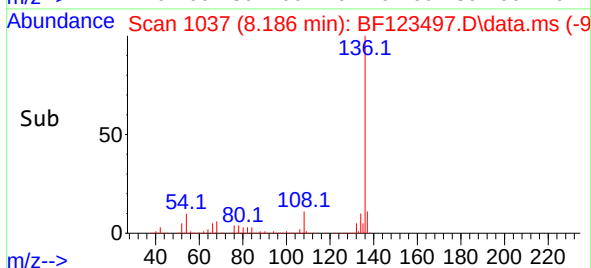
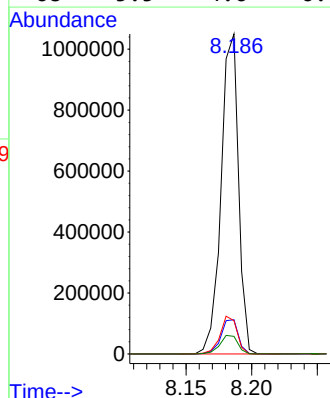
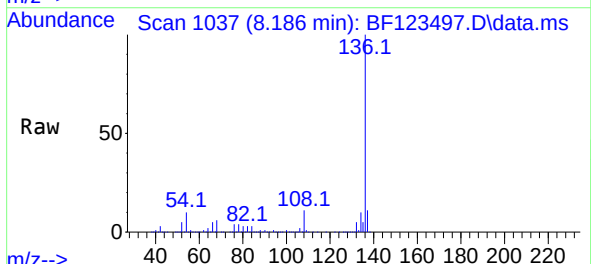
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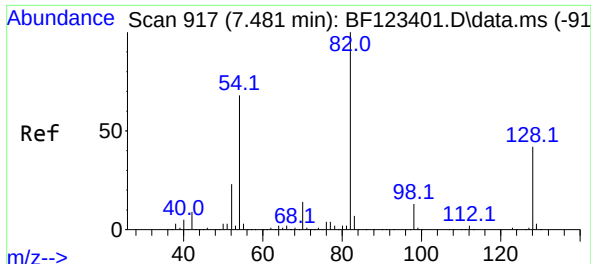
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08

Tgt Ion: 136 Resp: 967496
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 10.4 5.5 8.3#
68 5.5 4.6 6.8





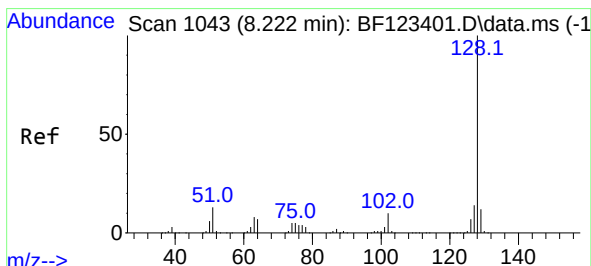
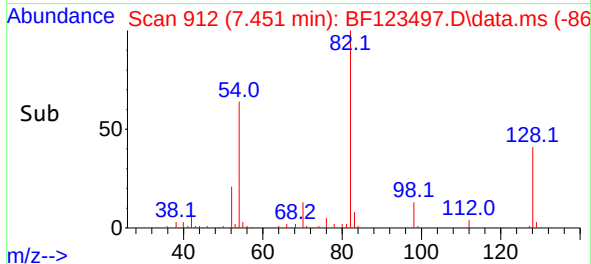
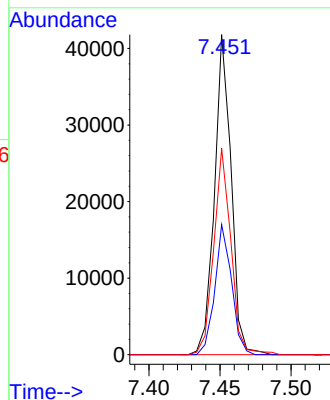
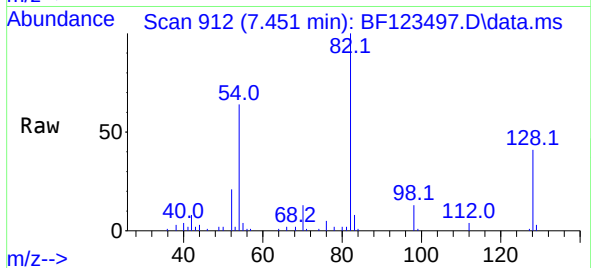
#23
Nitrobenzene-d5
Concen: 1.90 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08

Tgt Ion: 82 Resp: 34112
Ion Ratio Lower Upper
82 100
128 40.6 37.0 55.4
54 64.5 38.4 57.6#

Instrument :
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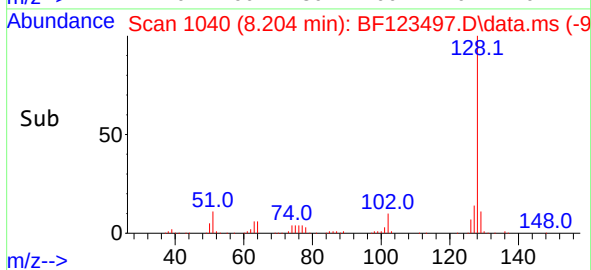
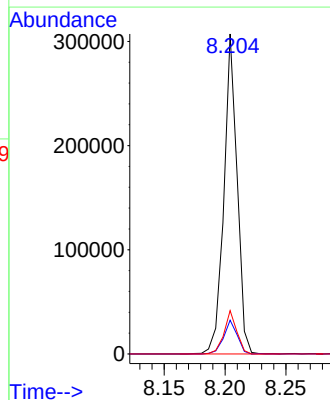
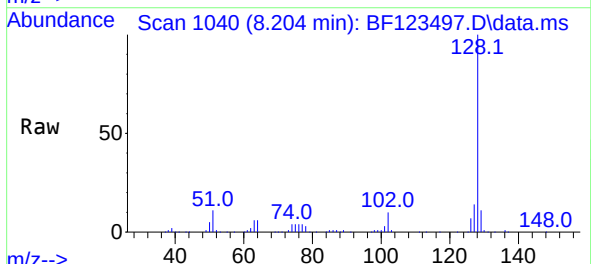
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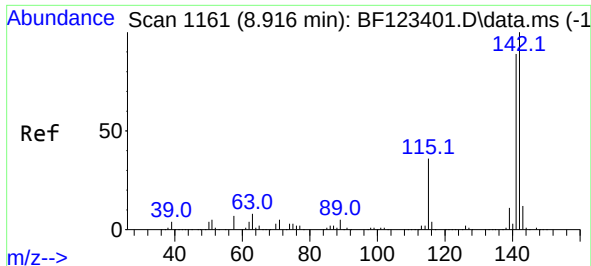
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#31
Naphthalene
Concen: 4.47 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF123497.D
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Tgt Ion: 128 Resp: 232705
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.6
127 13.5 10.7 16.1





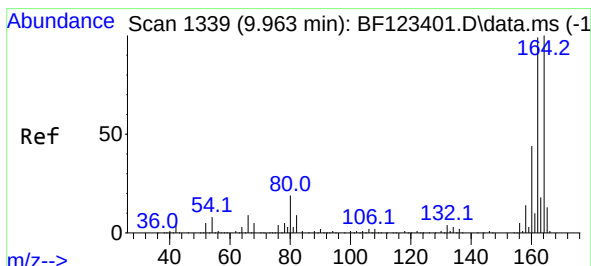
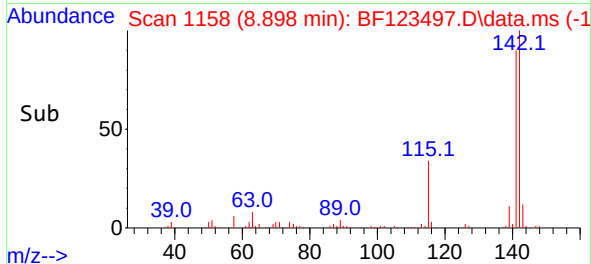
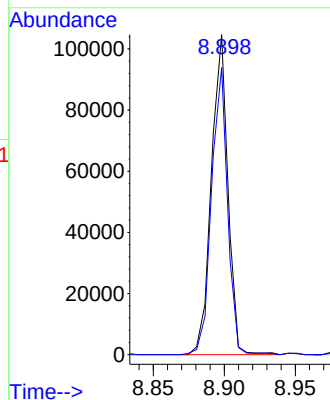
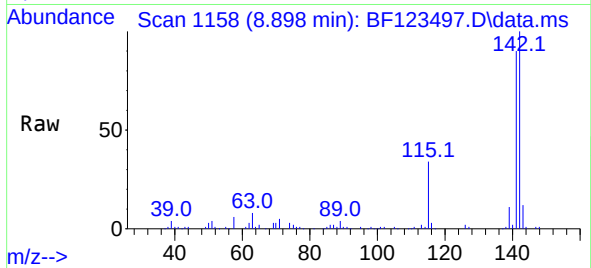
#37
2-Methylnaphthalene
Concen: 2.38 ng
RT: 8.898 min Scan# 1158
Delta R.T. -0.006 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08

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Tgt Ion:142 Resp: 84738
Ion Ratio Lower Upper
142 100
141 89.7 70.6 106.0

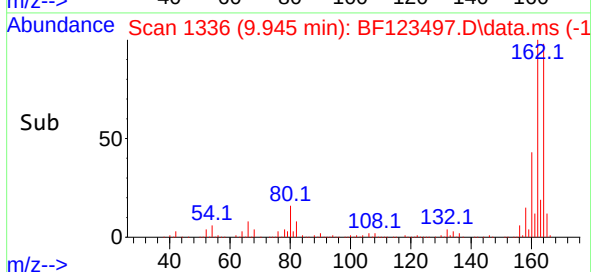
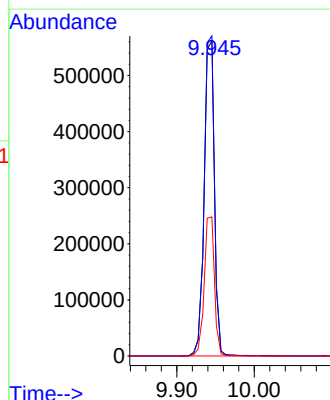
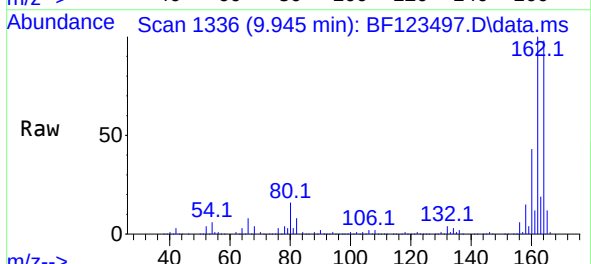
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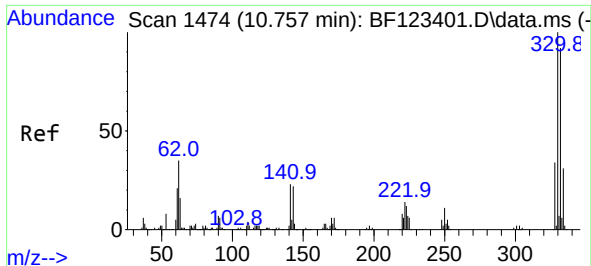
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08

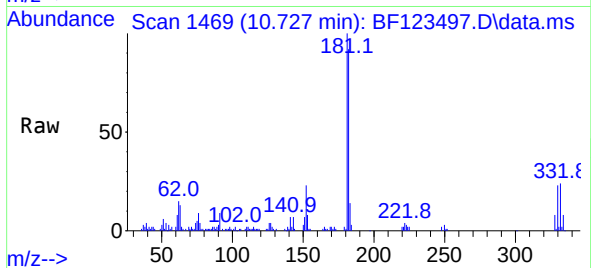
Tgt Ion:164 Resp: 514781
Ion Ratio Lower Upper
164 100
162 101.6 80.8 121.2
160 44.2 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 2.30 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.012 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08

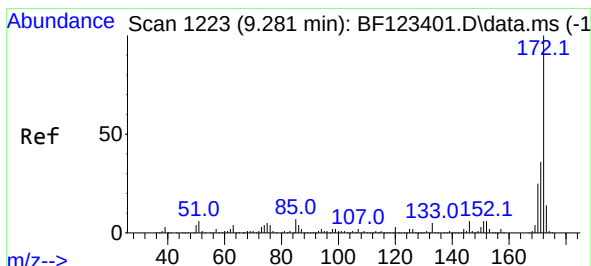
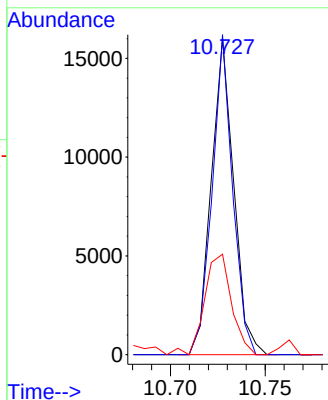
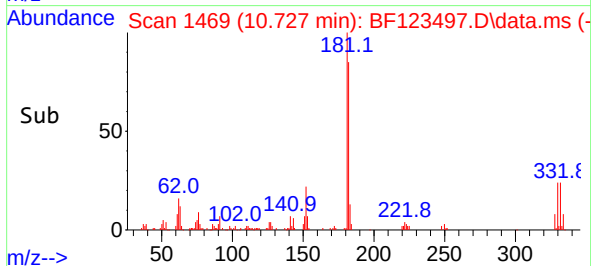
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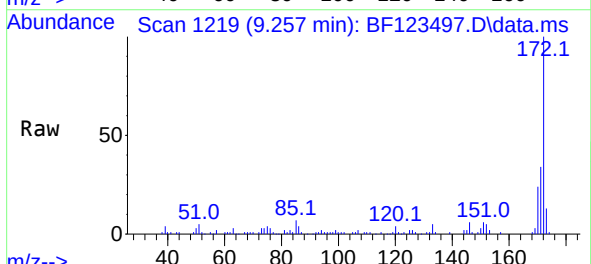
Tgt Ion: 330 Resp: 13214
Ion Ratio Lower Upper
330 100
332 92.3 77.5 116.3
141 38.3 23.8 35.8#

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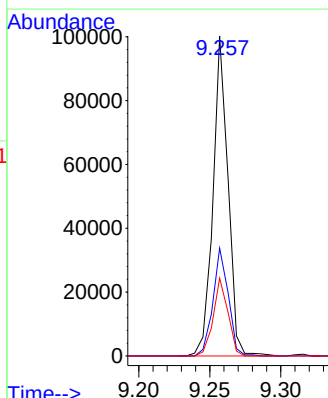
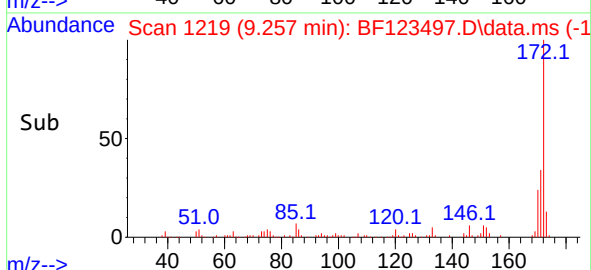
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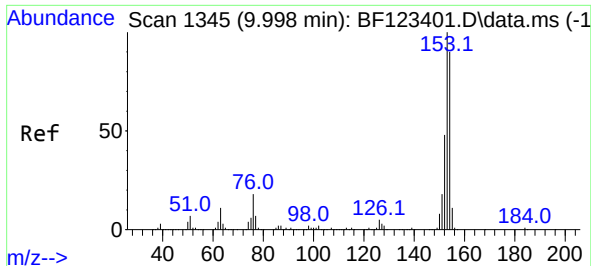


#45
2-Fluorobiphenyl
Concen: 2.04 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08



Tgt Ion: 172 Resp: 73483
Ion Ratio Lower Upper
172 100
171 33.7 29.6 44.4
170 24.3 19.5 29.3





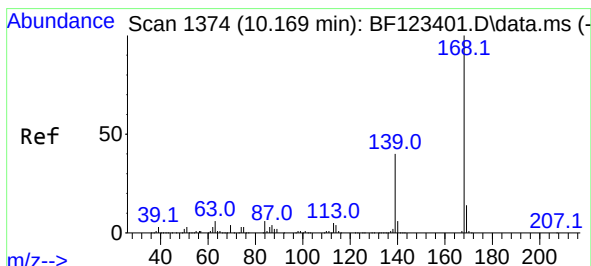
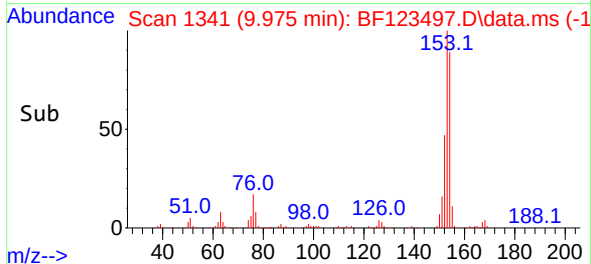
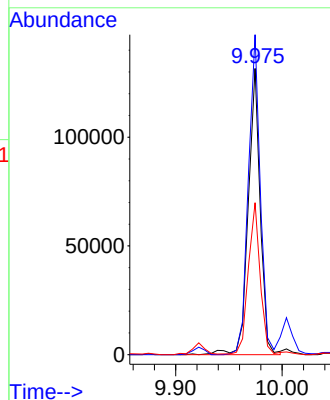
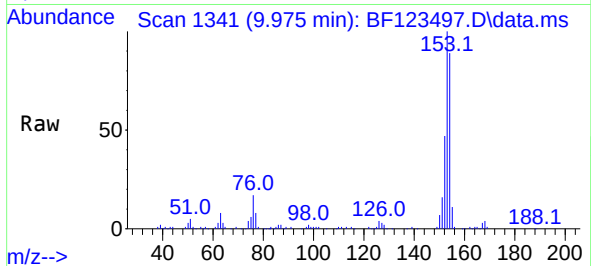
#52
Acenaphthene
Concen: 3.26 ng
RT: 9.975 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08

Tgt Ion:154 Resp: 102873
Ion Ratio Lower Upper
154 100
153 111.8 89.0 133.6
152 53.1 42.7 64.1

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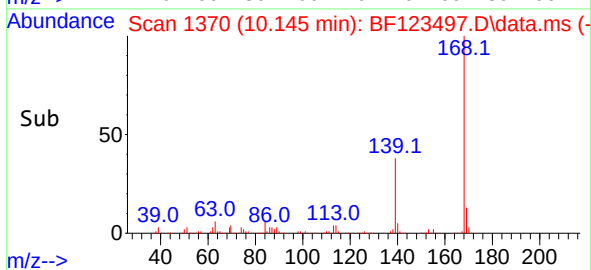
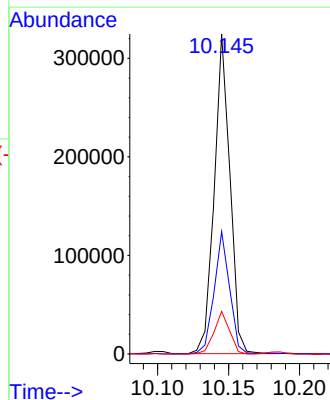
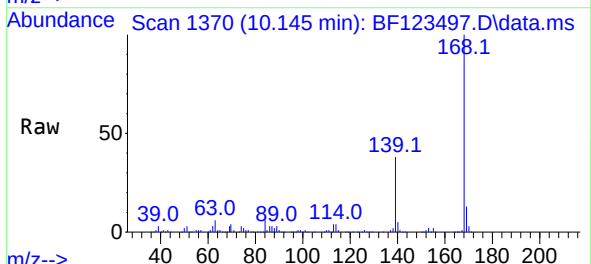
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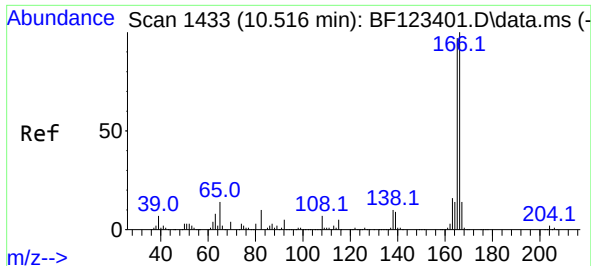
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#55
Dibenzofuran
Concen: 5.46 ng
RT: 10.145 min Scan# 1370
Delta R.T. -0.006 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08

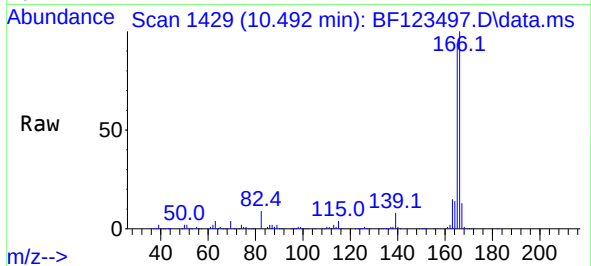
Tgt Ion:168 Resp: 247943
Ion Ratio Lower Upper
168 100
139 38.3 31.3 46.9
169 13.3 11.2 16.8





#58
Fluorene
Concen: 11.24 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08

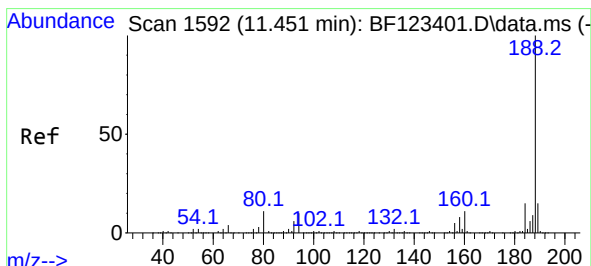
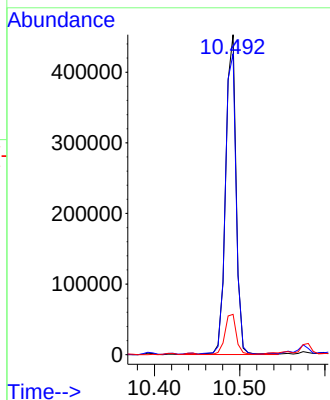
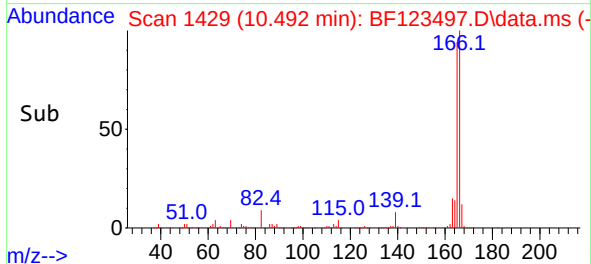
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ClientSampleId :
SU-04-032421DL



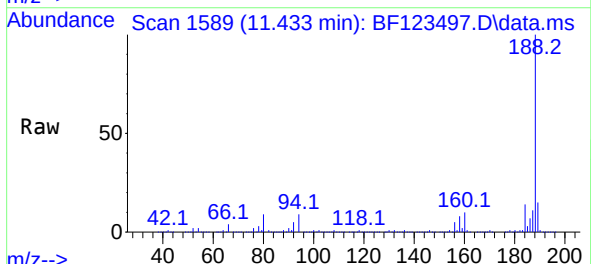
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Ion Ratio Lower Upper
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167 12.6 10.9 16.3

Manual Integrations
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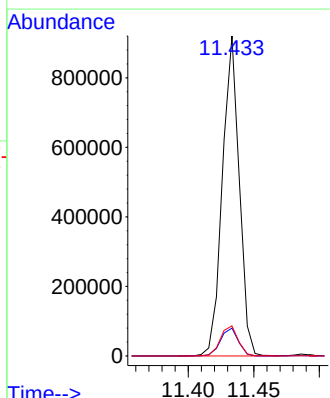
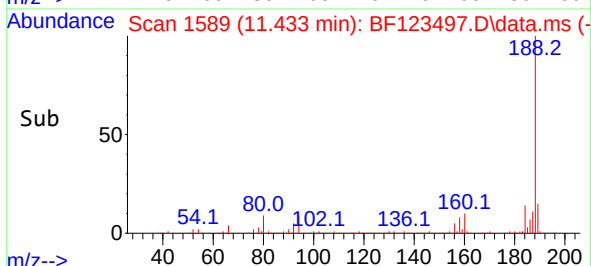
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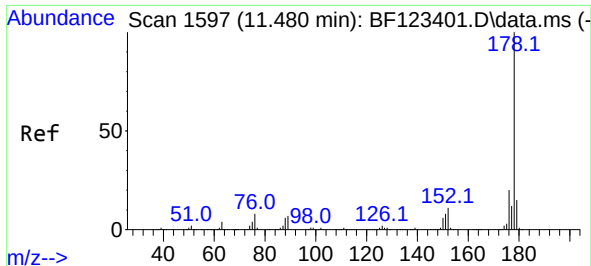


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08



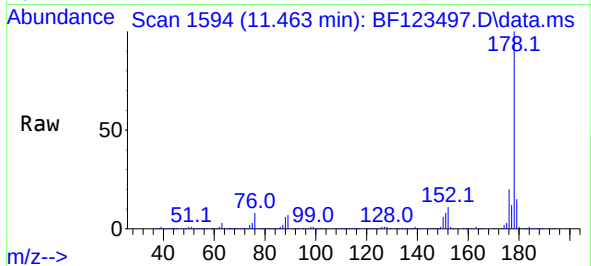
Tgt Ion:188 Resp: 821539
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.2
80 9.4 8.2 12.4





#71
Phenanthrene
Concen: 41.01 ng
RT: 11.463 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08

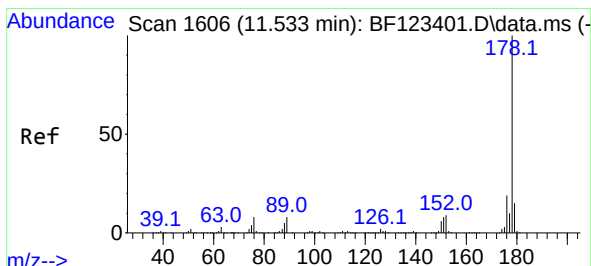
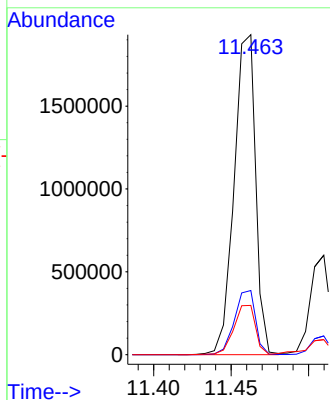
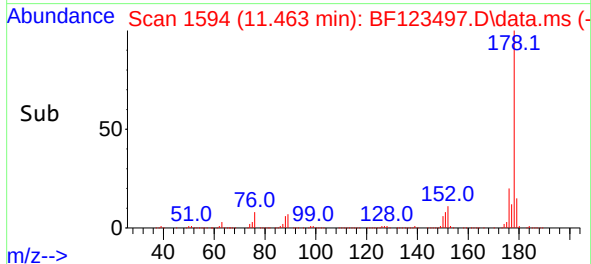
Instrument :
BNA_F
ClientSampleId :
SU-04-032421DL



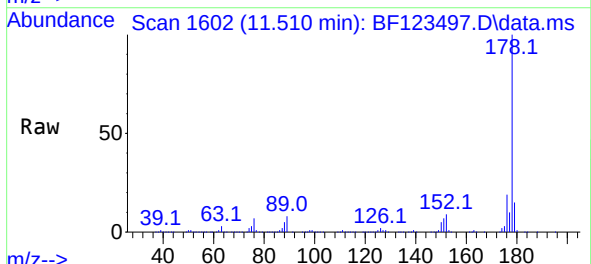
Tgt Ion:178 Resp: 1862276
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.2
179 15.4 12.7 19.1

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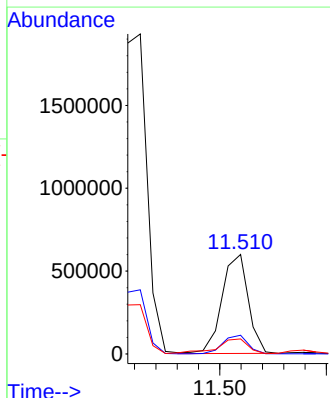
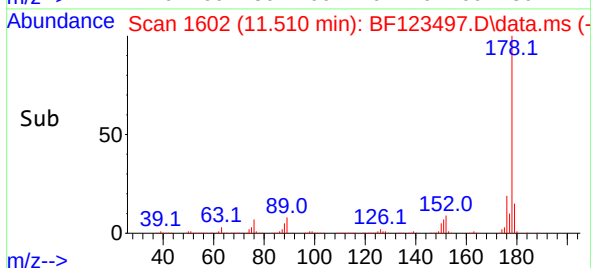
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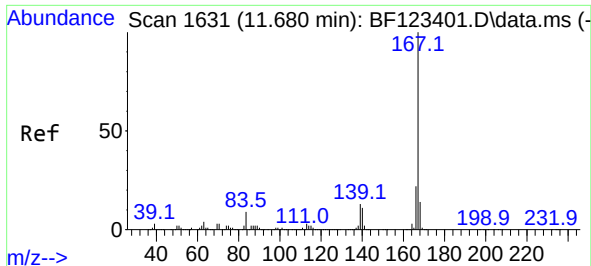


#72
Anthracene
Concen: 11.25 ng
RT: 11.510 min Scan# 1602
Delta R.T. -0.006 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08



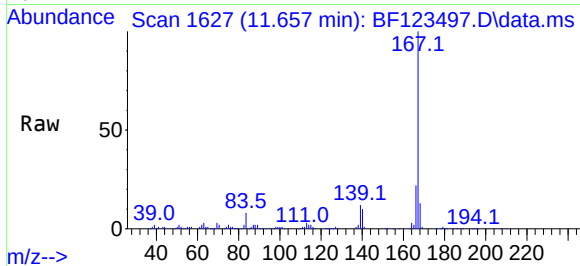
Tgt Ion:178 Resp: 513969
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.0 12.8 19.2





#73
 Carbazole
 Concen: 3.56 ng
 RT: 11.657 min Scan# 1627
 Delta R.T. -0.006 min
 Lab File: BF123497.D
 Acq: 26 Mar 2021 21:08

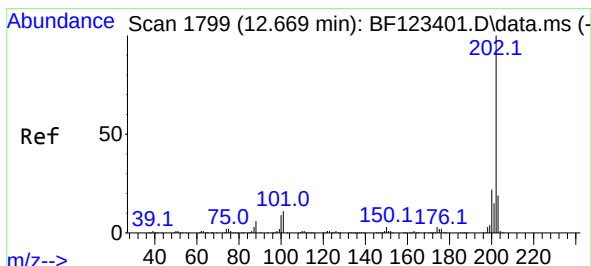
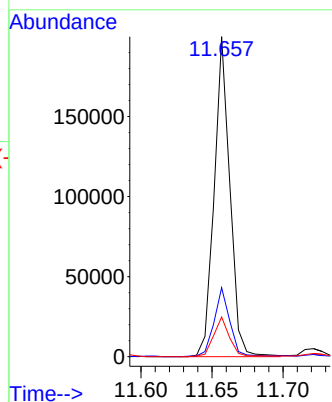
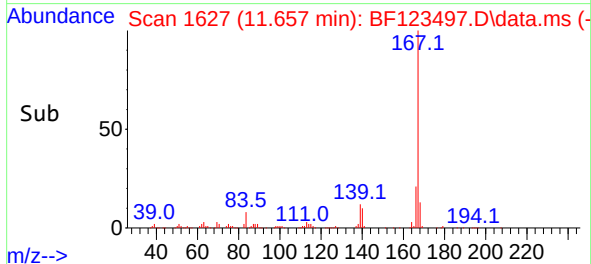
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-032421DL



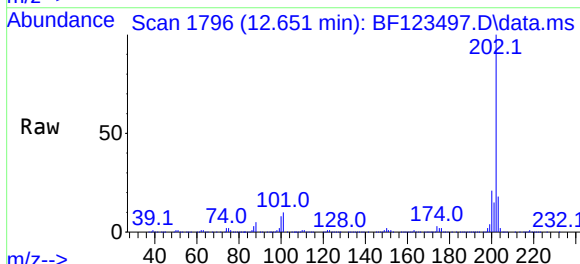
Tgt Ion:167 Resp: 153455
 Ion Ratio Lower Upper
 167 100
 166 21.5 18.0 27.0
 139 12.4 10.9 16.3

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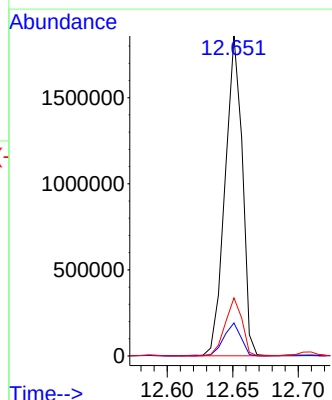
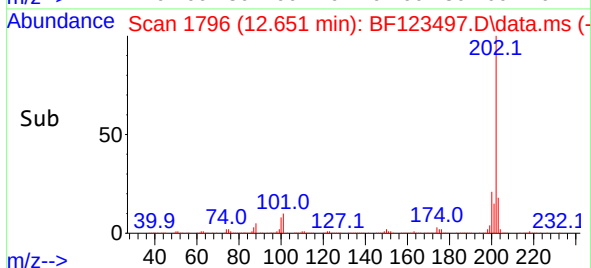
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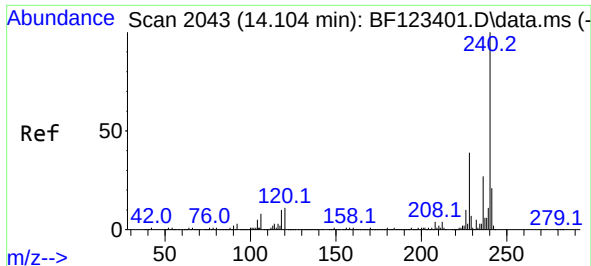


#75
 Fluoranthene
 Concen: 34.40 ng
 RT: 12.651 min Scan# 1796
 Delta R.T. 0.000 min
 Lab File: BF123497.D
 Acq: 26 Mar 2021 21:08



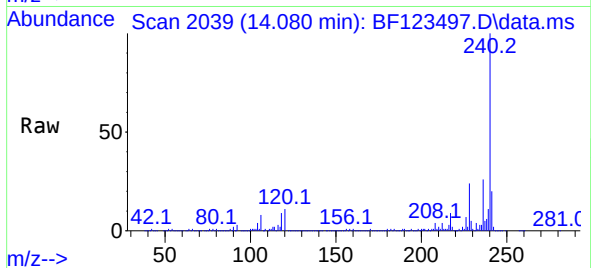
Tgt Ion:202 Resp: 1691526
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 32.2
 203 18.2 0.0 38.1





#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08

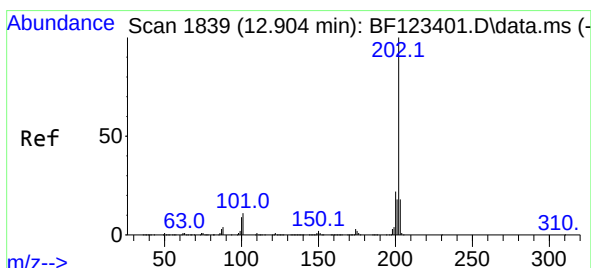
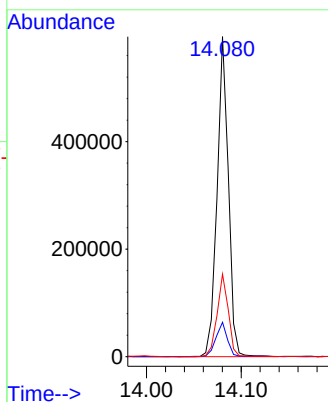
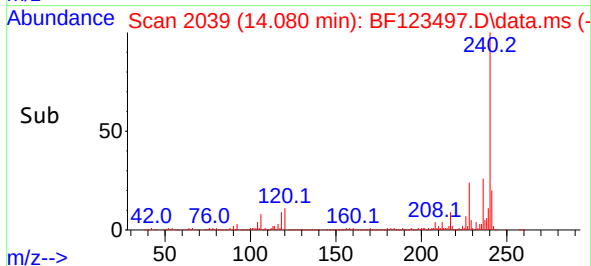
Instrument :
BNA_F
ClientSampleId :
SU-04-032421DL



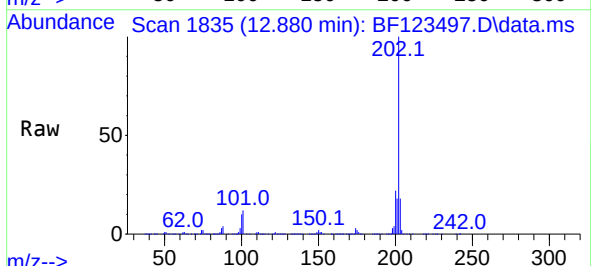
Tgt Ion:240 Resp: 493057
Ion Ratio Lower Upper
240 100
120 10.7 8.6 12.8
236 25.8 20.3 30.5

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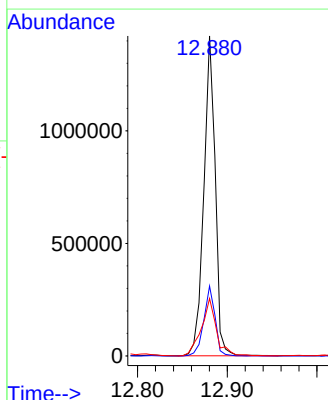
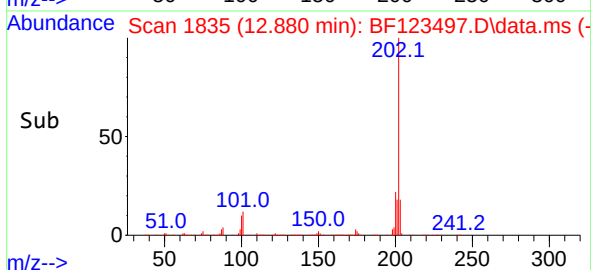
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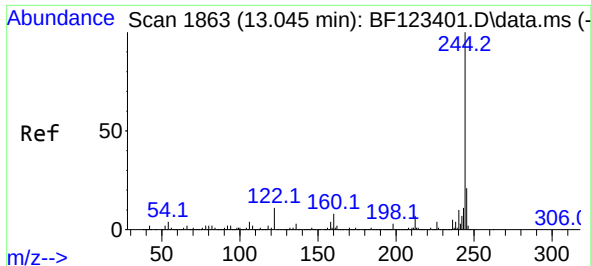


#78
Pyrene
Concen: 29.50 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.006 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08



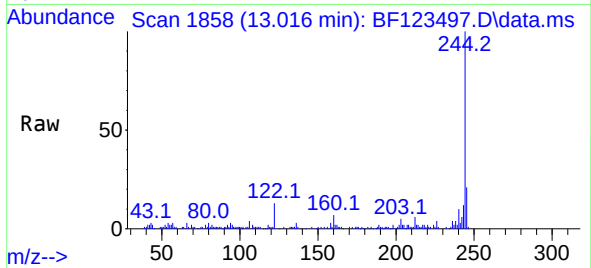
Tgt Ion:202 Resp: 1254553
Ion Ratio Lower Upper
202 100
200 21.8 17.6 26.4
203 18.0 14.6 21.8





#79
Terphenyl-d14
Concen: 2.26 ng
RT: 13.016 min Scan# 1858
Delta R.T. -0.012 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08

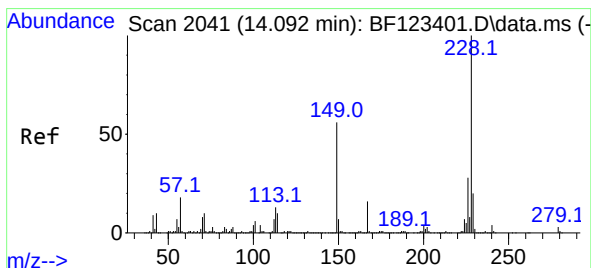
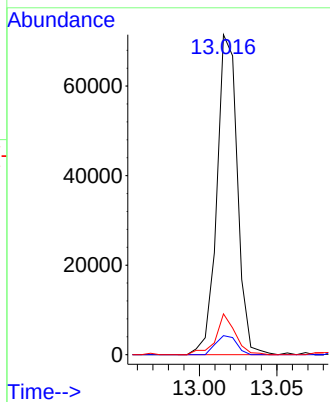
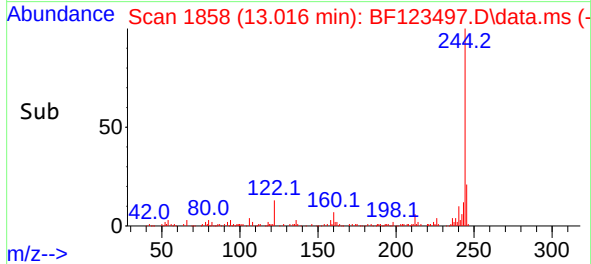
Instrument :
BNA_F
ClientSampleId :
SU-04-032421DL



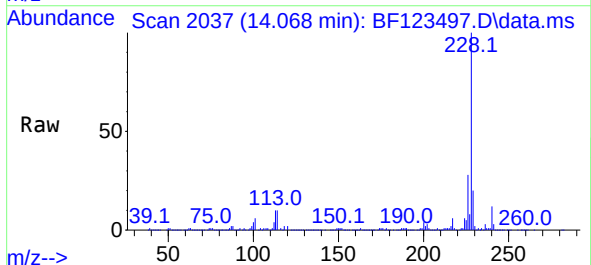
Tgt Ion:244 Resp: 65623
Ion Ratio Lower Upper
244 100
212 6.0 5.7 8.5
122 12.8 8.3 12.5#

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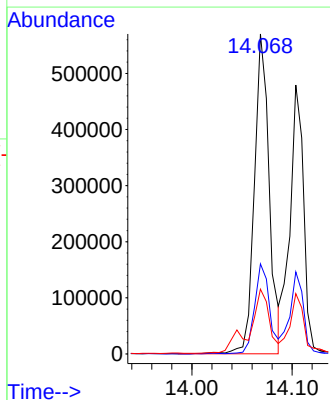
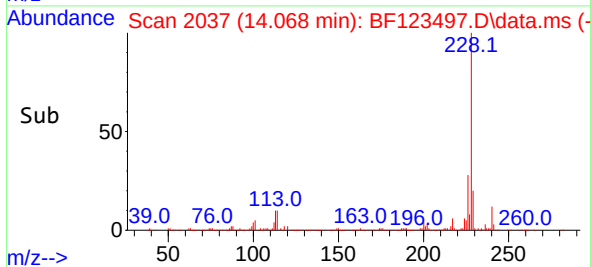
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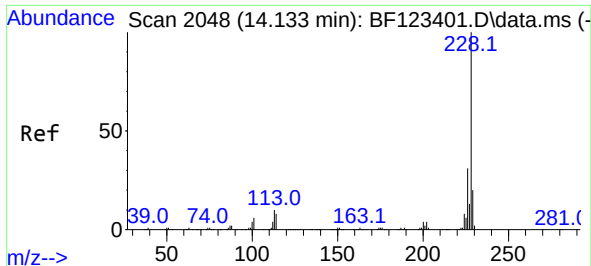


#81
Benzo(a)anthracene
Concen: 18.18 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08

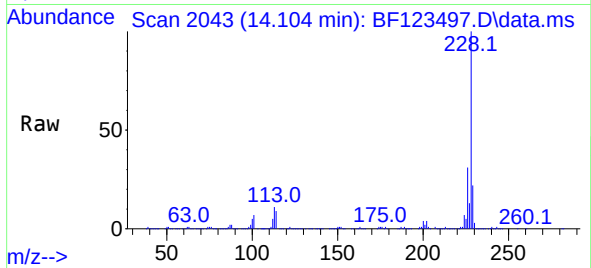


Tgt Ion:228 Resp: 586700
Ion Ratio Lower Upper
228 100
226 28.2 23.0 34.4
229 20.2 16.6 24.8

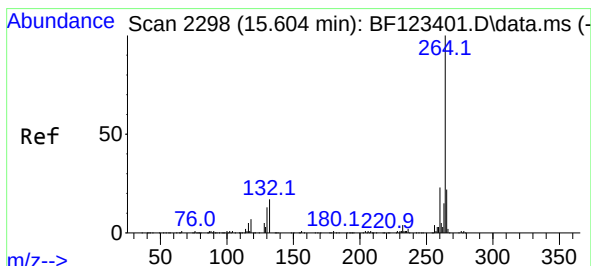
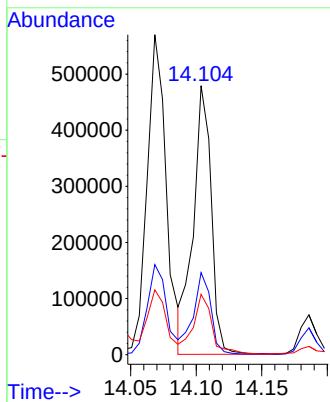
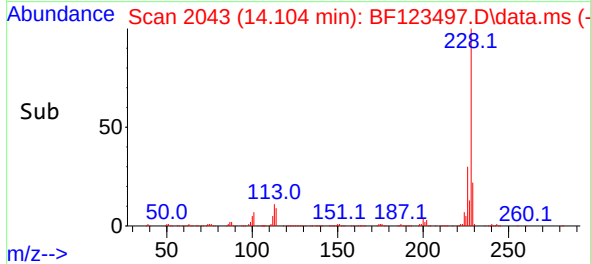




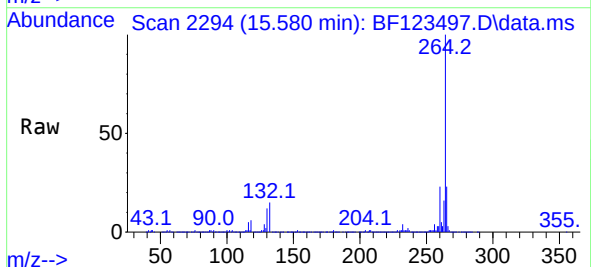
#83
Chrysene
Concen: 13.72 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.012 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08



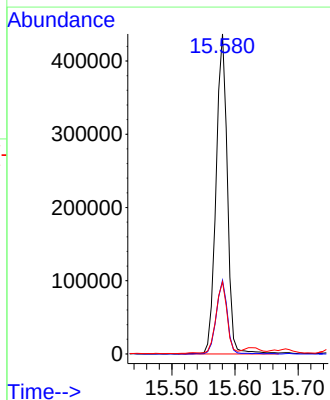
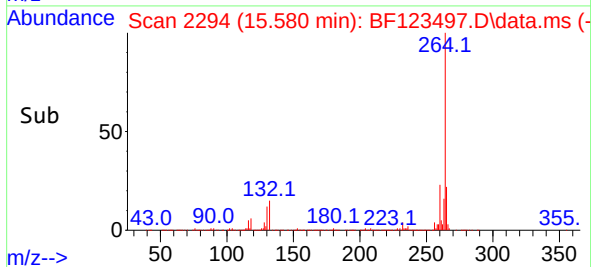
Tgt Ion:228 Resp: 457013
Ion Ratio Lower Upper
228 100
226 30.5 24.6 36.8
229 22.4 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.580 min Scan# 2294
Delta R.T. 0.000 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08



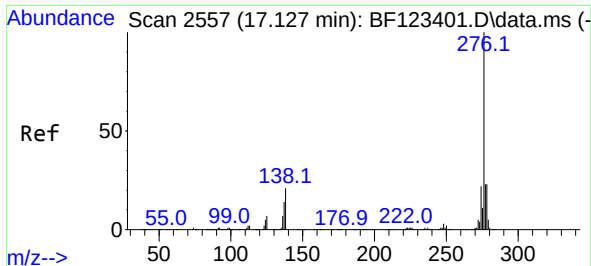
Tgt Ion:264 Resp: 541113
Ion Ratio Lower Upper
264 100
260 23.0 18.6 28.0
265 22.5 17.0 25.6



Instrument :
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ClientSampleId :
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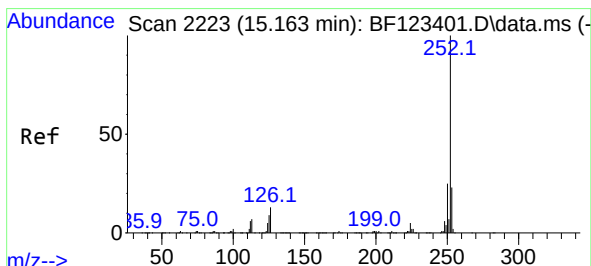
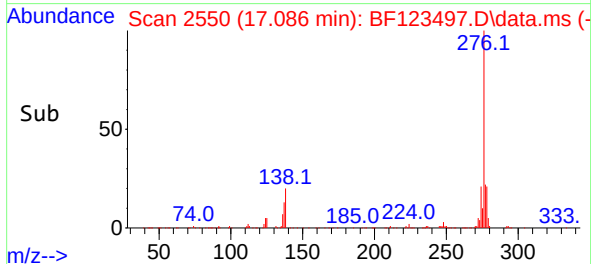
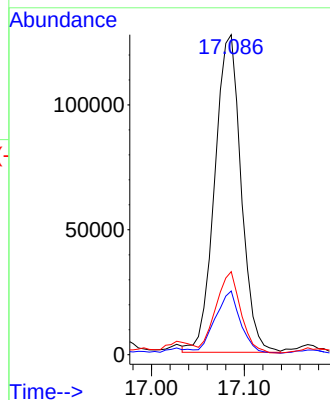
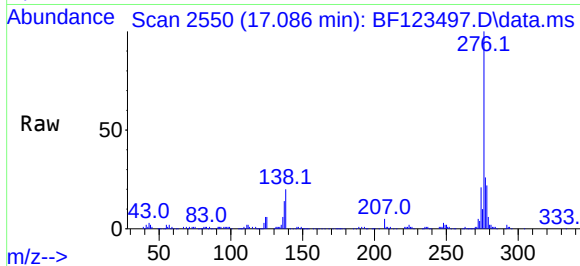
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.48 ng m
RT: 17.086 min Scan# 2550
Delta R.T. -0.012 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08

Tgt Ion: 276 Resp: 251510
Ion Ratio Lower Upper
276 100
138 5.0 18.7 28.1#
277 4.9 20.2 30.4#

Instrument :
BNA_F
ClientSampleId :
SU-04-032421DL

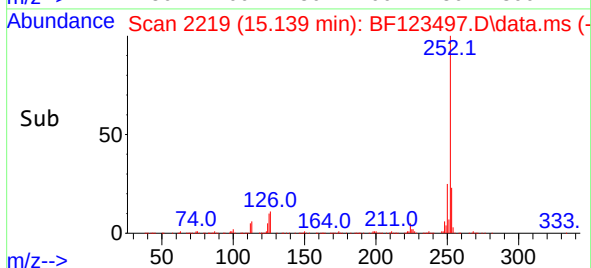
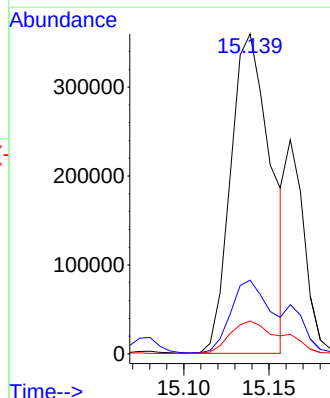
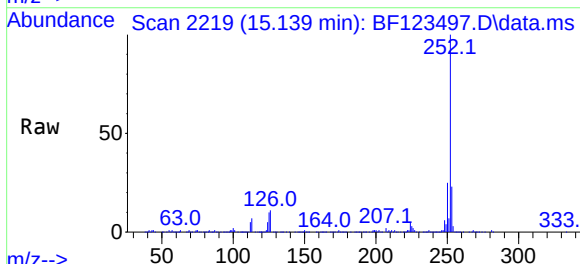
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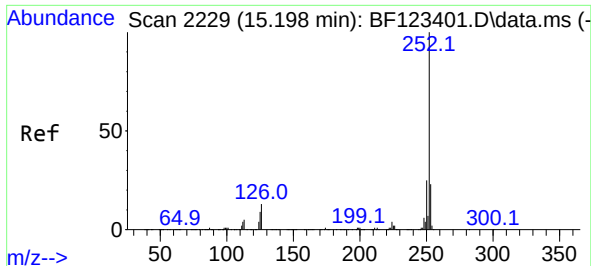
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#88
Benzo(b)fluoranthene
Concen: 15.73 ng m
RT: 15.139 min Scan# 2219
Delta R.T. -0.006 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08

Tgt Ion: 252 Resp: 587396
Ion Ratio Lower Upper
252 100
253 23.1 18.3 27.5
125 10.3 8.1 12.1





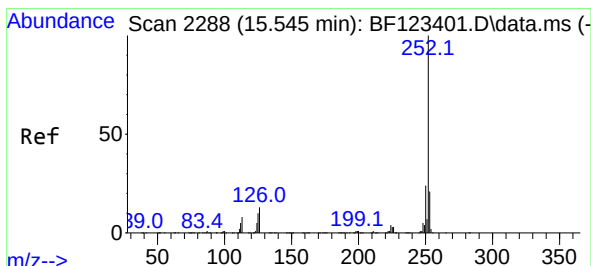
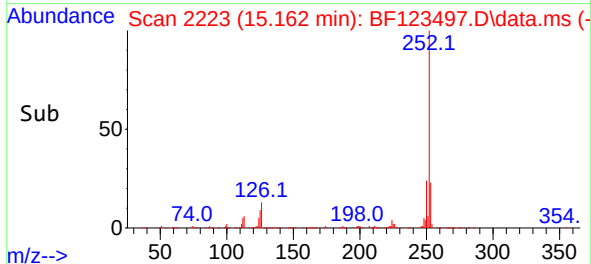
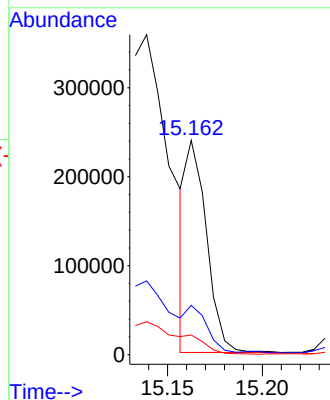
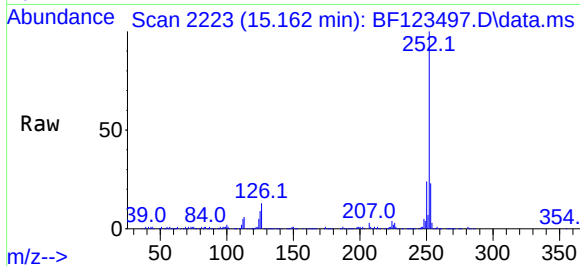
#89
Benzo(k)fluoranthene
Concen: 5.02 ng m
RT: 15.162 min Scan# 2223
Delta R.T. -0.012 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08

Tgt Ion:252 Resp: 177098
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 9.2 8.4 12.6

Instrument :
BNA_F
ClientSampleId :
SU-04-032421DL

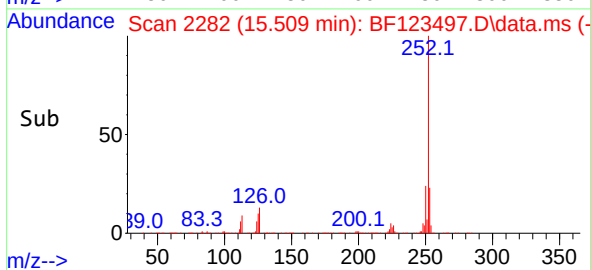
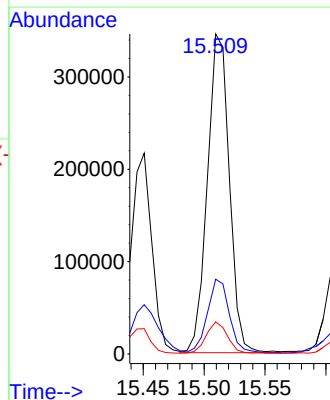
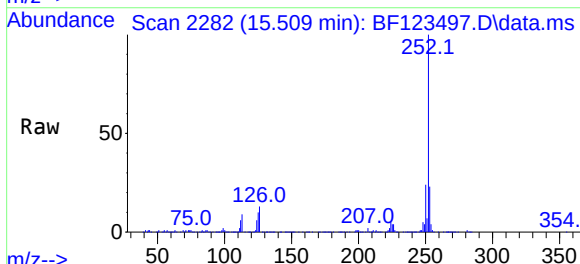
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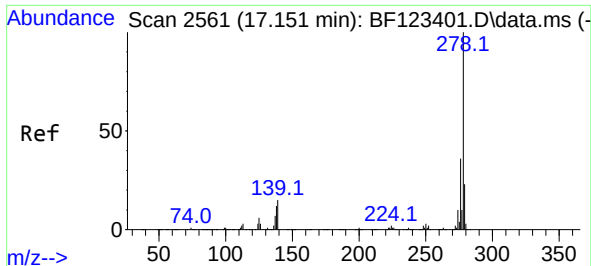
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#90
Benzo(a)pyrene
Concen: 13.42 ng
RT: 15.509 min Scan# 2282
Delta R.T. -0.012 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08

Tgt Ion:252 Resp: 432414
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 10.0 8.6 12.8





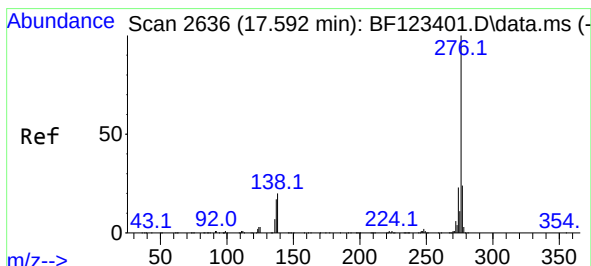
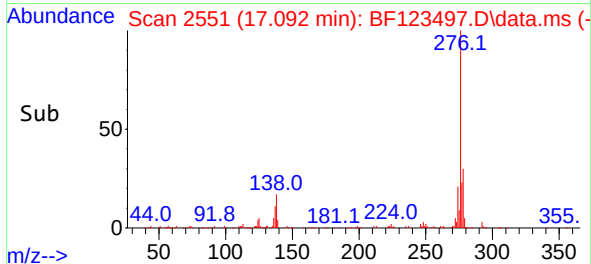
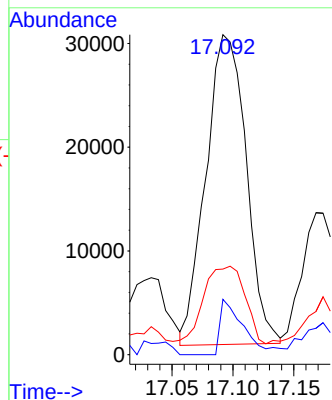
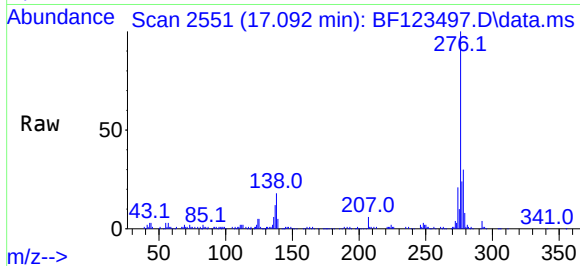
#91
Dibenzo(a,h)anthracene
Concen: 2.41 ng
RT: 17.092 min Scan# 2551
Delta R.T. -0.029 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08

Tgt Ion:278 Resp: 68730
Ion Ratio Lower Upper
278 100
139 17.3 12.0 18.0
279 26.7 19.4 29.2

Instrument :
BNA_F
ClientSampleId :
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#92
Benzo(g,h,i)perylene
Concen: 7.57 ng
RT: 17.539 min Scan# 2627
Delta R.T. -0.018 min
Lab File: BF123497.D
Acq: 26 Mar 2021 21:08

Tgt Ion:276 Resp: 216330
Ion Ratio Lower Upper
276 100
277 23.2 19.3 28.9
138 19.0 16.6 24.8

