

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041621\
 Data File : BF123606.D
 Acq On : 16 Apr 2021 22:54
 Operator : JU/CG
 Sample : M2048-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-0-2.0

Manual Integrations
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mohammad
 4/19/2021 11:45:32 AM

Quant Time: Apr 17 01:26:38 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 16 10:31:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	261712	20.00	ng	0.00
21) Naphthalene-d8	8.157	136	1012014	20.00	ng	0.00
39) Acenaphthene-d10	9.916	164	471217	20.00	ng	0.00
64) Phenanthrene-d10	11.404	188	702969	20.00	ng	0.00
76) Chrysene-d12	14.057	240	428432	20.00	ng	0.00
86) Perylene-d12	15.545	264	415440	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1530449	94.52	ng	0.02
7) Phenol-d6	6.510	99	1998977	89.09	ng	0.01
23) Nitrobenzene-d5	7.434	82	1392877	63.27	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	366174	68.62	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2032843	64.31	ng	0.00
79) Terphenyl-d14	12.998	244	1230694	55.83	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.175	128	126137	2.42	ng	97
52) Acenaphthene	9.945	154	88523	3.04	ng	94
55) Dibenzofuran	10.116	168	84172	2.01	ng	98
58) Fluorene	10.463	166	83760	2.55	ng	97
71) Phenanthrene	11.433	178	1317958	35.92	ng	100
72) Anthracene	11.480	178	231622	6.32	ng	98
73) Carbazole	11.633	167	89182	2.44	ng	99
75) Fluoranthene	12.621	202	1080457	26.80	ng	100
78) Pyrene	12.851	202	1095723	35.04	ng	99
81) Benzo(a)anthracene	14.045	228	404592	15.41	ng	99
83) Chrysene	14.080	228	435792	16.53	ng	98
87) Indeno(1,2,3-cd)pyrene	17.033	276	185282	8.36	ng	98
88) Benzo(b)fluoranthene	15.110	252	473949m	16.16	ng	
89) Benzo(k)fluoranthene	15.133	252	119209m	3.06	ng	
90) Benzo(a)pyrene	15.480	252	334206	14.32	ng	99
91) Dibenzo(a,h)anthracene	17.045	278	47487	2.53	ng	# 81
92) Benzo(g,h,i)perylene	17.480	276	183471	12.03	ng	97

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

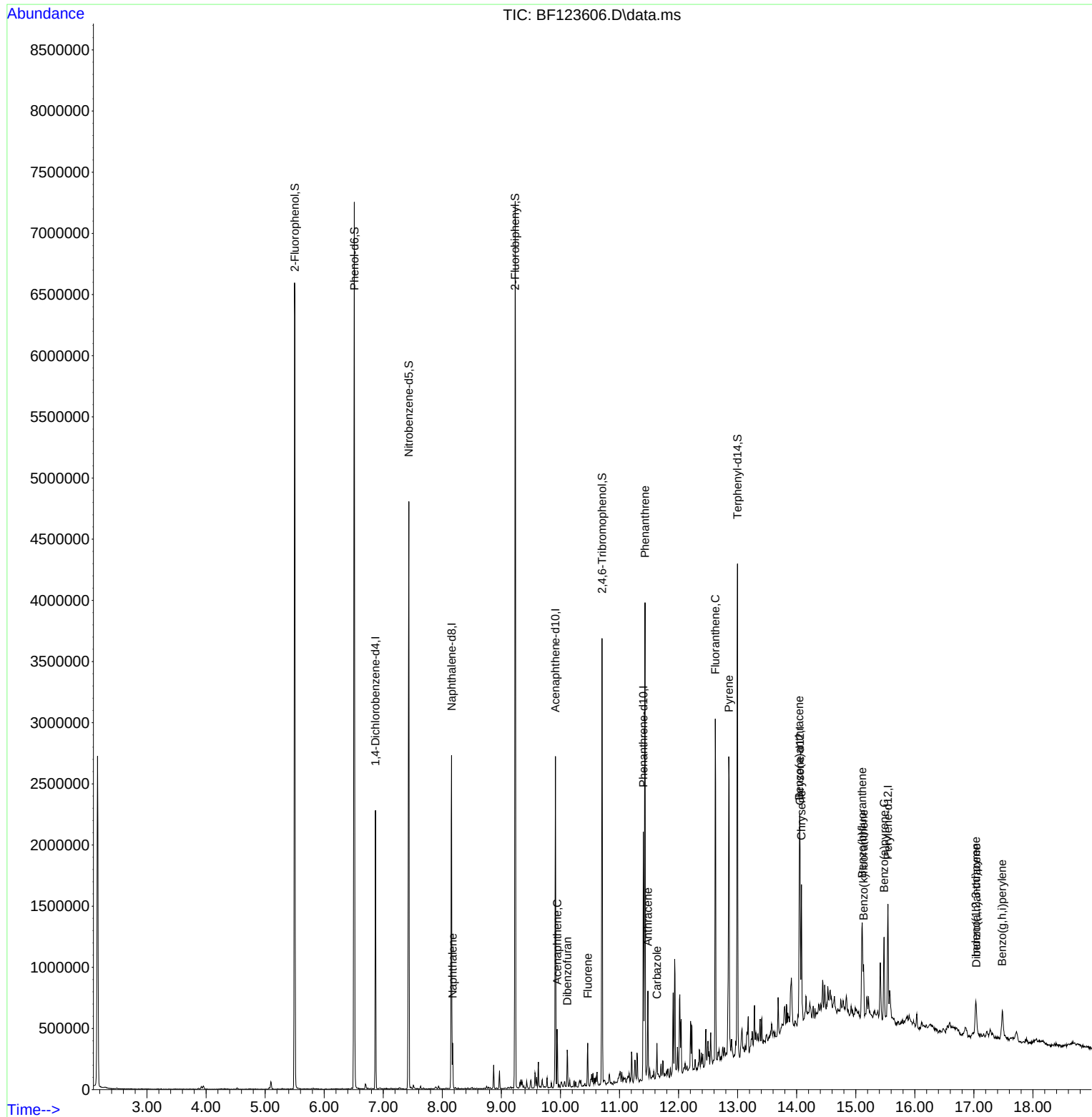
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041621\
Data File : BF123606.D
Acq On : 16 Apr 2021 22:54
Operator : JU/CG
Sample : M2048-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

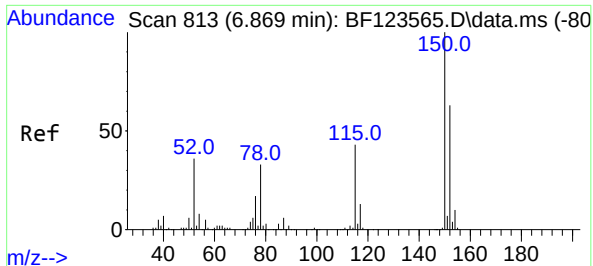
Instrument :
BNA_F
ClientSampled :
SB-01-0-2.0

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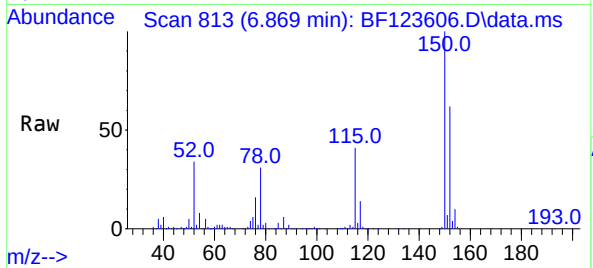
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 16 10:31:33 2021
Response via : Initial Calibration

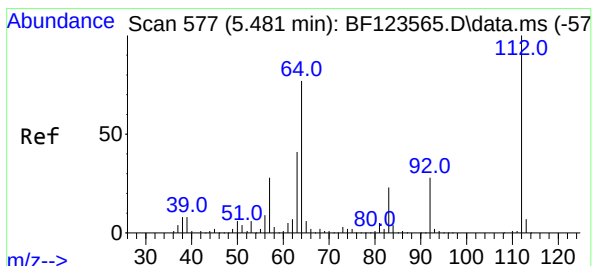
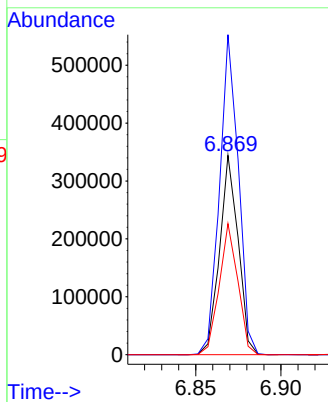
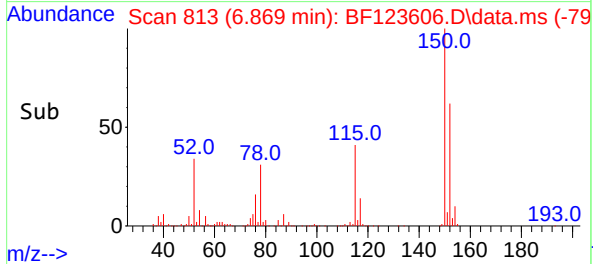




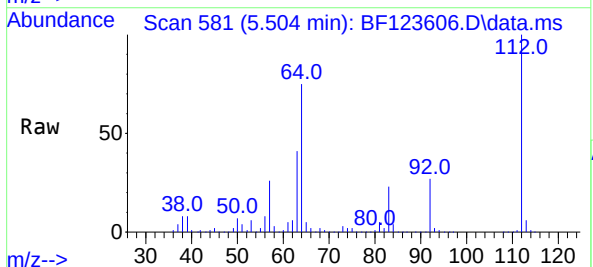
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54



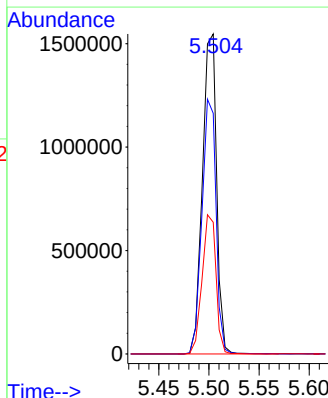
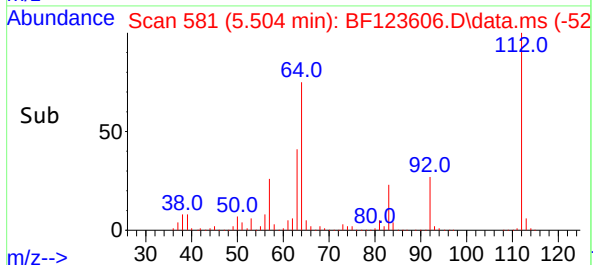
Tgt Ion:152 Resp: 261712
Ion Ratio Lower Upper
152 100
150 160.5 127.0 190.6
115 65.7 54.3 81.5



#5
2-Fluorophenol
Concen: 94.52 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.024 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54



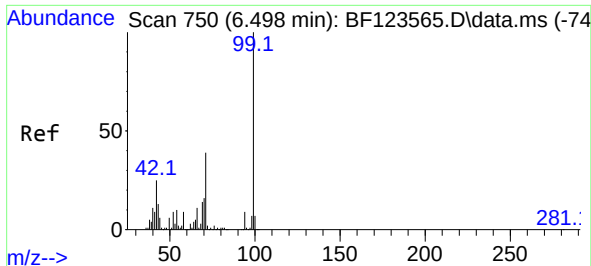
Tgt Ion:112 Resp: 1530449
Ion Ratio Lower Upper
112 100
64 75.2 61.4 92.0
63 41.2 33.0 49.4



Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

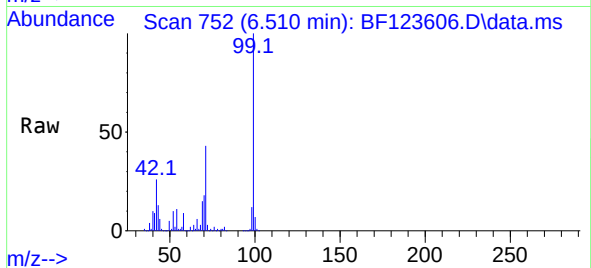
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#7
Phenol-d6
Concen: 89.09 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.012 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Instrument :
BNA_F
ClientSampled :
SB-01-0-2.0

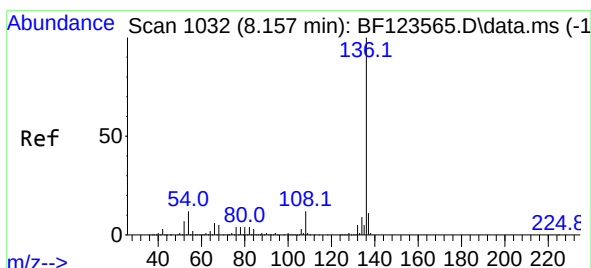
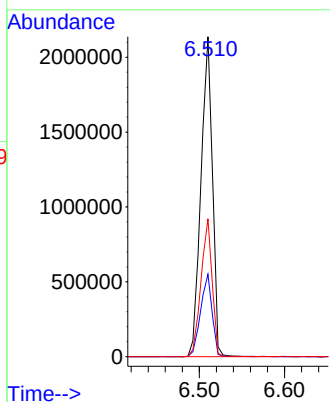
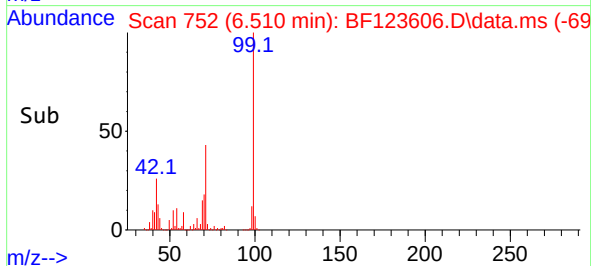


Tgt Ion: 99 Resp: 1998977

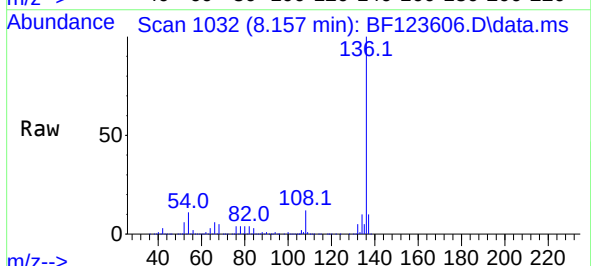
Ion	Ratio	Lower	Upper
99	100		
42	25.8	19.8	29.8
71	43.1	31.1	46.7

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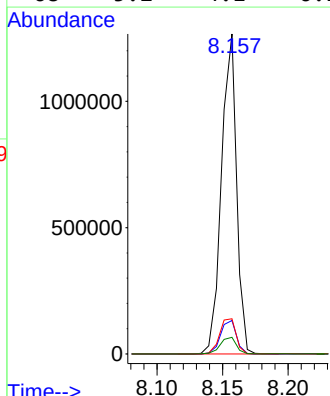
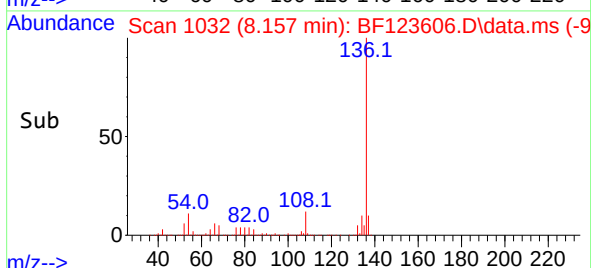


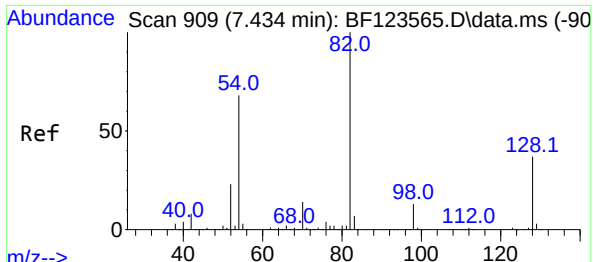
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54



Tgt Ion: 136 Resp: 1012014

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.7	13.1
54	11.0	9.8	14.6
68	5.2	4.1	6.1





#23
Nitrobenzene-d5
Concen: 63.27 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

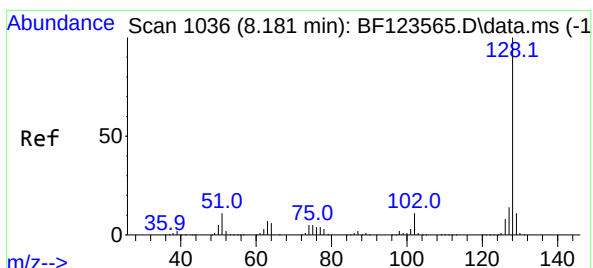
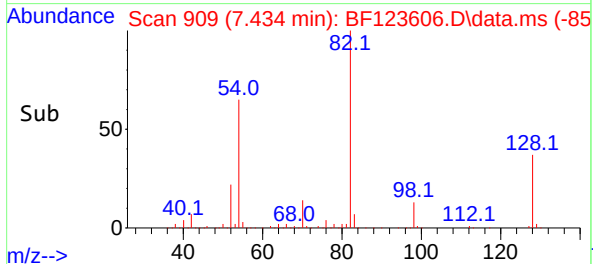
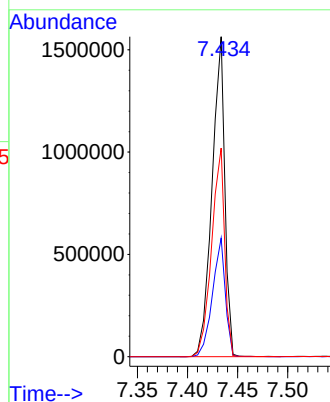
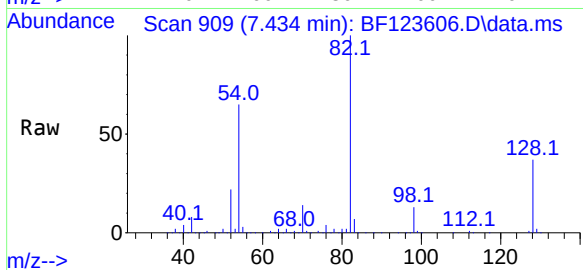
Tgt Ion: 82 Resp: 1392877

Ion	Ratio	Lower	Upper
82	100		
128	37.1	29.4	44.2
54	65.2	54.1	81.1

Instrument :
BNA_F
ClientSampled :
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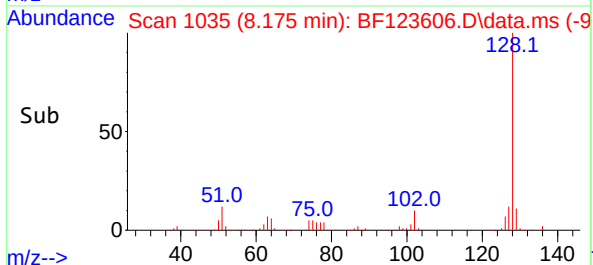
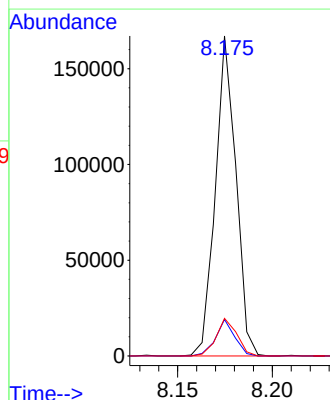
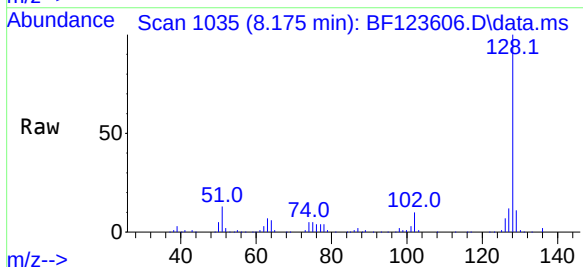
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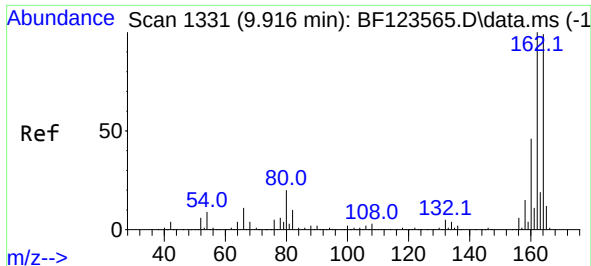


#31
Naphthalene
Concen: 2.42 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Tgt Ion: 128 Resp: 126137

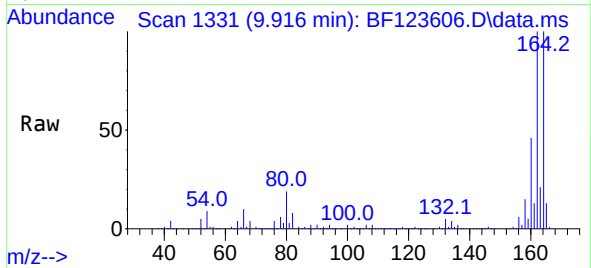
Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.9	13.3
127	11.7	10.8	16.2





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

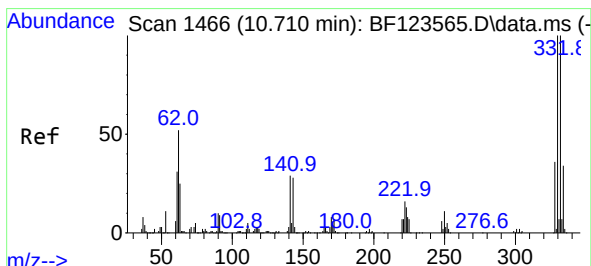
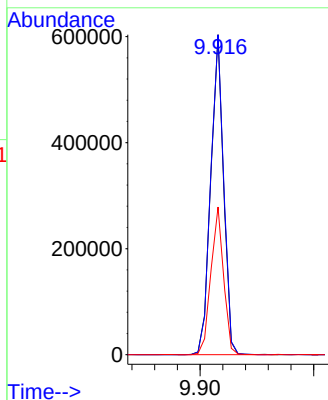
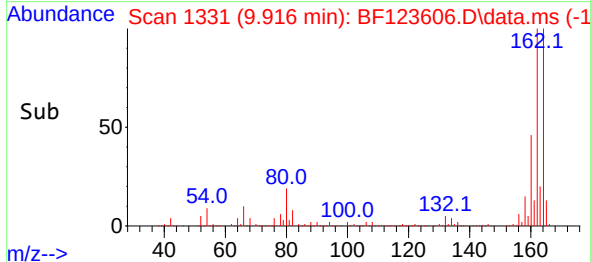
Instrument :
BNA_F
ClientSampled :
SB-01-0-2.0



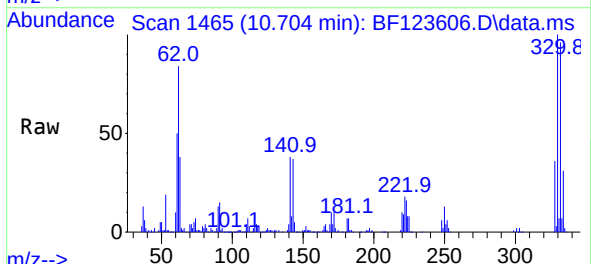
Tgt Ion:164 Resp: 471217
Ion Ratio Lower Upper
164 100
162 100.0 80.7 121.1
160 46.2 37.3 55.9

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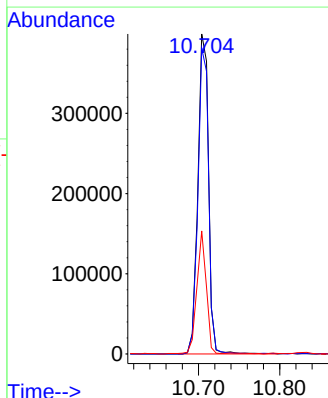
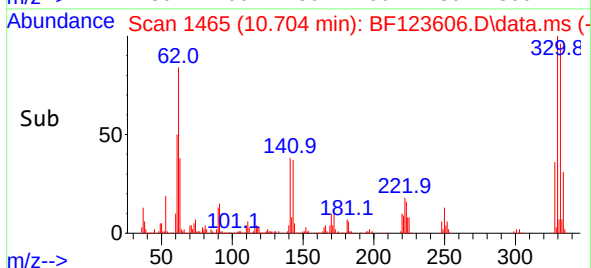
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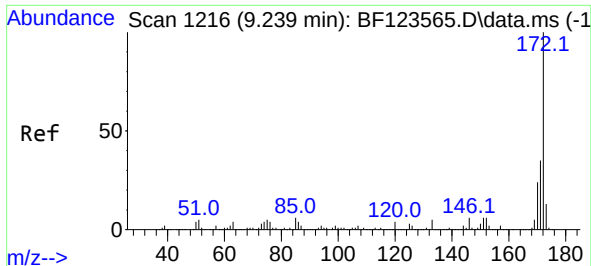


#42
2,4,6-Tribromophenol
Concen: 68.62 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54



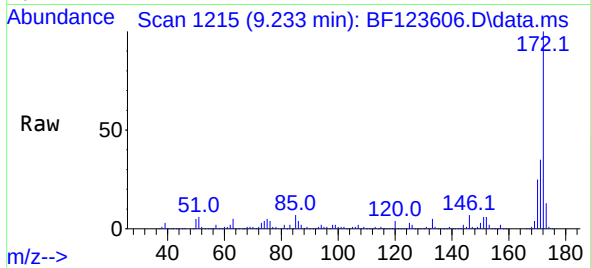
Tgt Ion:330 Resp: 366174
Ion Ratio Lower Upper
330 100
332 95.6 77.1 115.7
141 34.3 27.9 41.9





#45
2-Fluorobiphenyl
Concen: 64.31 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

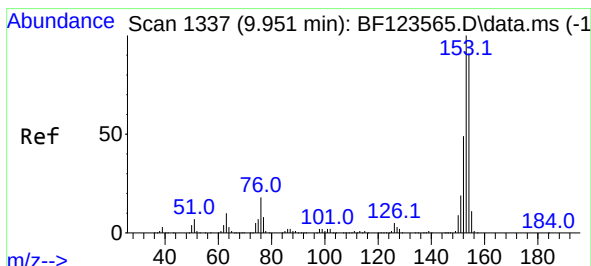
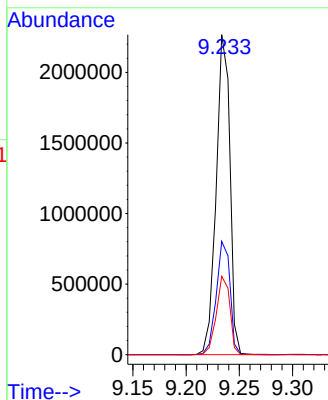
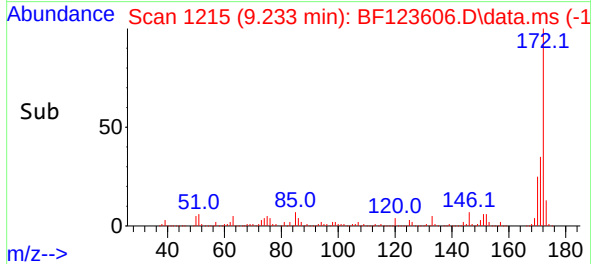
Instrument :
BNA_F
ClientSampled :
SB-01-0-2.0



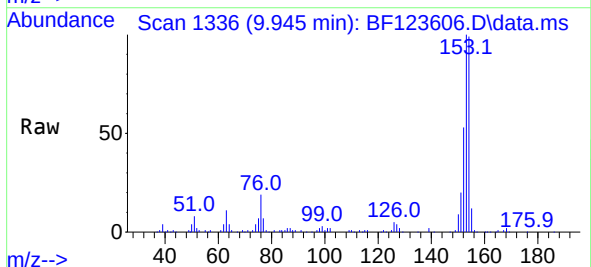
Tgt Ion:172 Resp: 2032843
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 24.5 19.2 28.8

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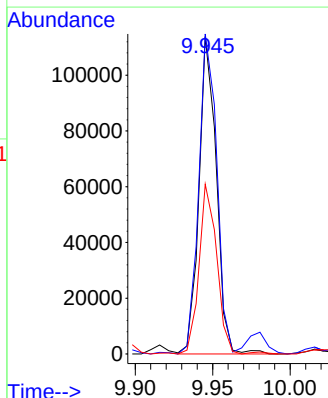
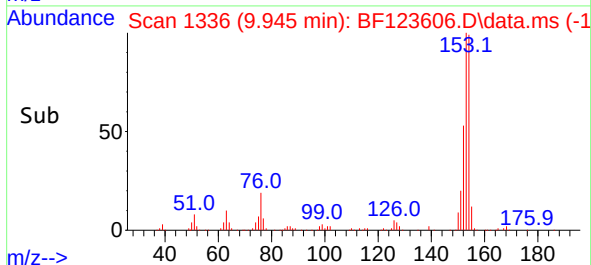
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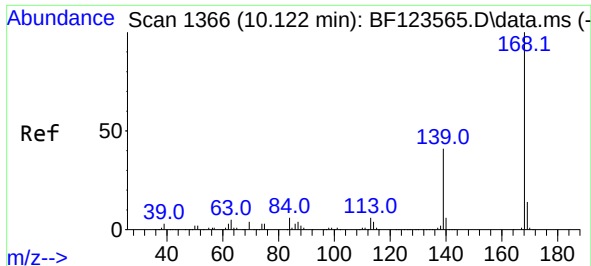


#52
Acenaphthene
Concen: 3.04 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54



Tgt Ion:154 Resp: 88523
Ion Ratio Lower Upper
154 100
153 100.8 88.1 132.1
152 53.5 43.4 65.0





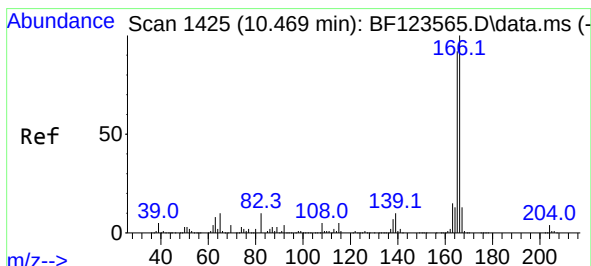
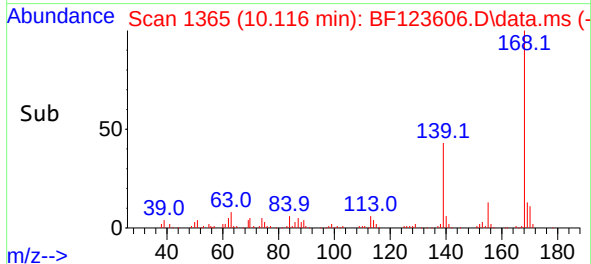
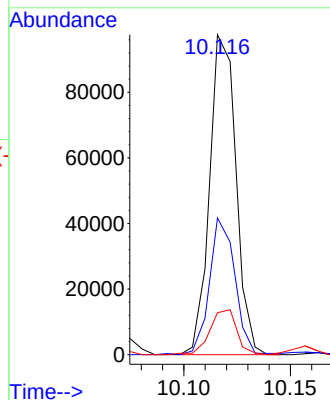
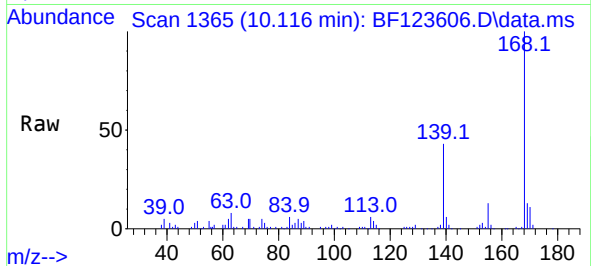
#55
Dibenzenofuran
Concen: 2.01 ng
RT: 10.116 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Tgt Ion:168 Resp: 84172
Ion Ratio Lower Upper
168 100
139 42.8 33.2 49.8
169 13.1 10.8 16.2

Instrument :
BNA_F
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SB-01-0-2.0

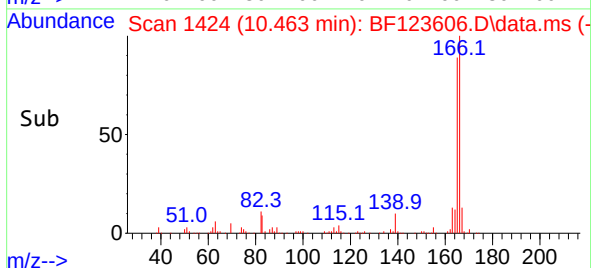
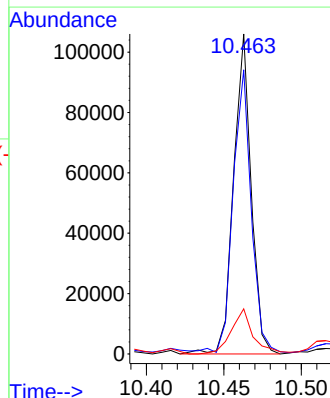
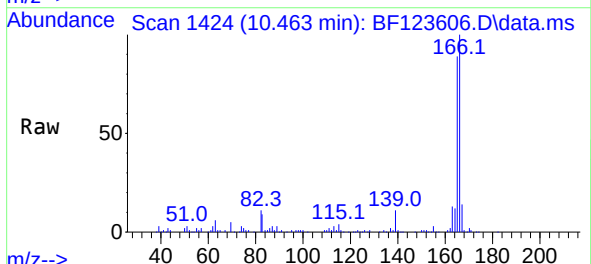
Manual Integrations
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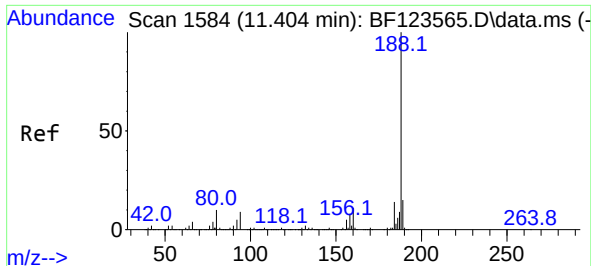
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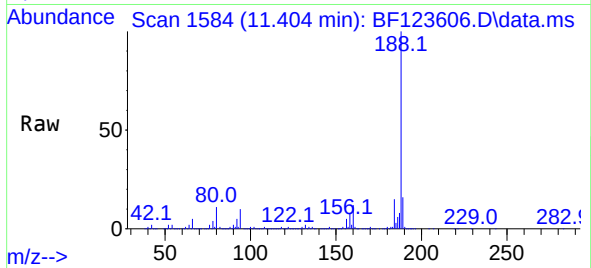
#58
Fluorene
Concen: 2.55 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Tgt Ion:166 Resp: 83760
Ion Ratio Lower Upper
166 100
165 88.8 73.5 110.3
167 14.1 10.7 16.1

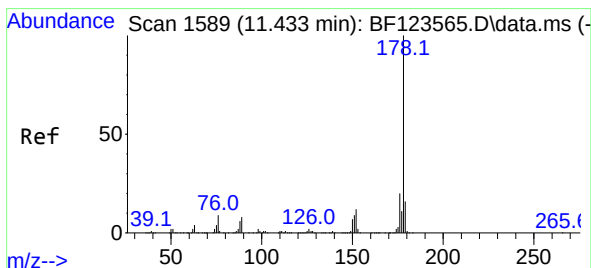
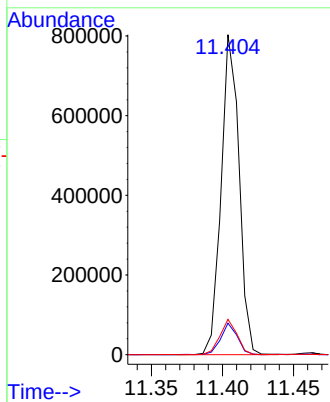
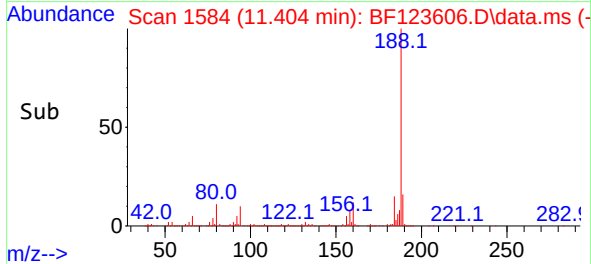




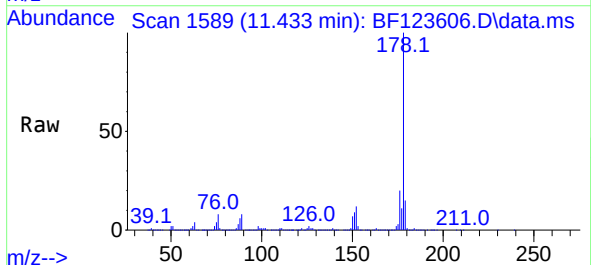
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54



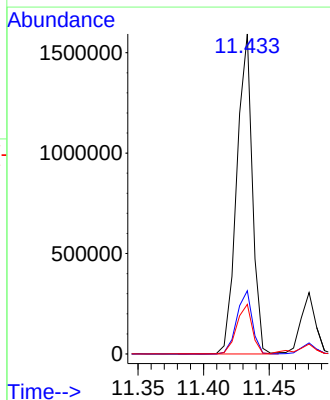
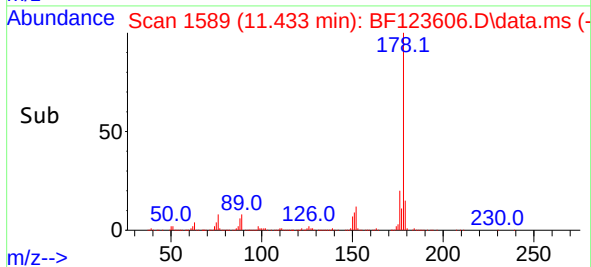
Tgt Ion:188 Resp: 702969
Ion Ratio Lower Upper
188 100
94 9.9 6.9 10.3
80 11.0 8.2 12.2



#71
Phenanthrene
Concen: 35.92 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54



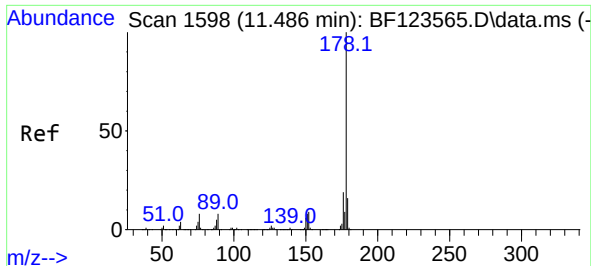
Tgt Ion:178 Resp: 1317958
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 15.5 12.5 18.7



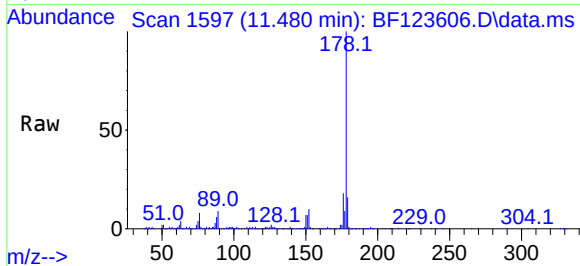
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

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#72
 Anthracene
 Concen: 6.32 ng
 RT: 11.480 min Scan# 1597
 Delta R.T. -0.006 min
 Lab File: BF123606.D
 Acq: 16 Apr 2021 22:54

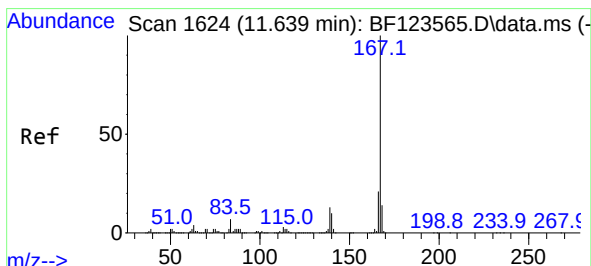
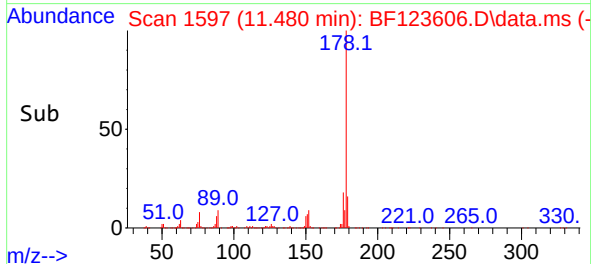
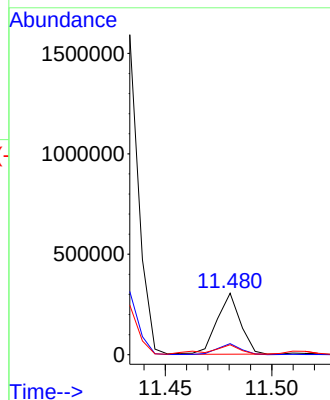


Tgt Ion:178 Resp: 231622
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.0
 179 16.2 12.6 18.8

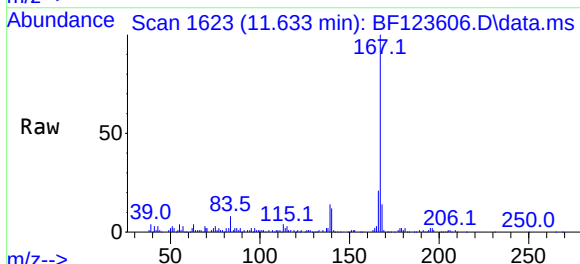
Instrument :
 BNA_F
 ClientSampled :
 SB-01-0-2.0

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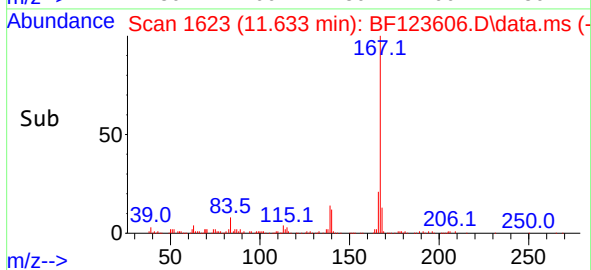
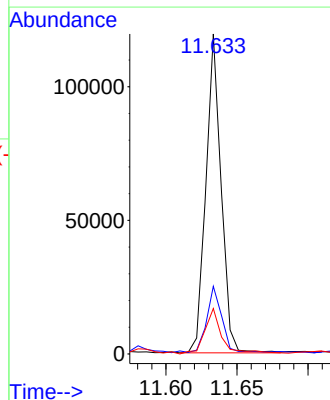
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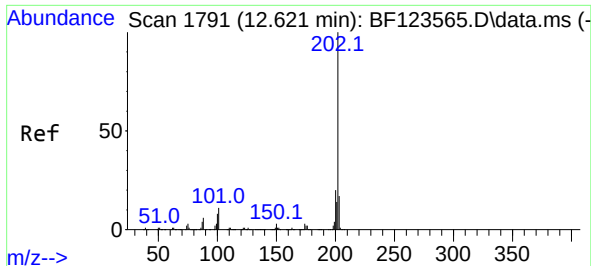


#73
 Carbazole
 Concen: 2.44 ng
 RT: 11.633 min Scan# 1623
 Delta R.T. -0.006 min
 Lab File: BF123606.D
 Acq: 16 Apr 2021 22:54



Tgt Ion:167 Resp: 89182
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.6
 139 14.2 10.4 15.6





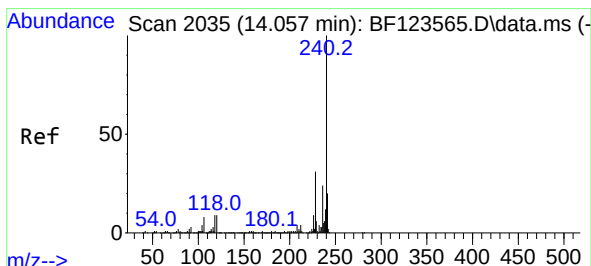
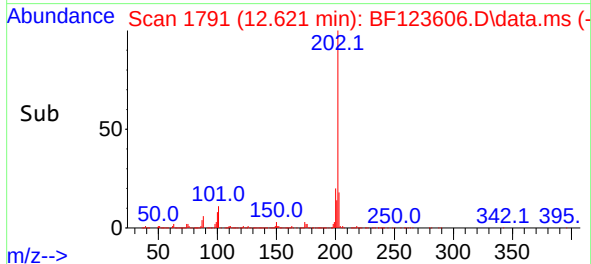
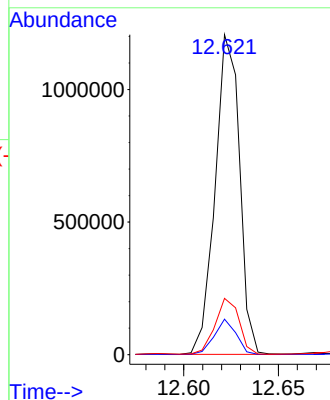
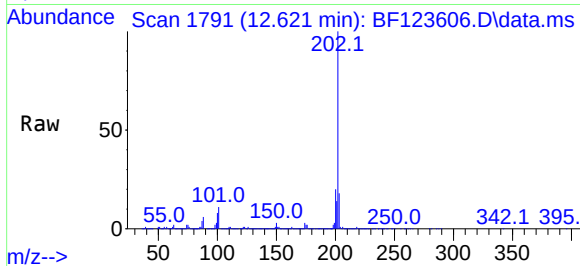
#75
Fluoranthene
Concen: 26.80 ng
RT: 12.621 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Tgt Ion:202 Resp: 1080457
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.9
203 17.6 0.0 37.5

Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

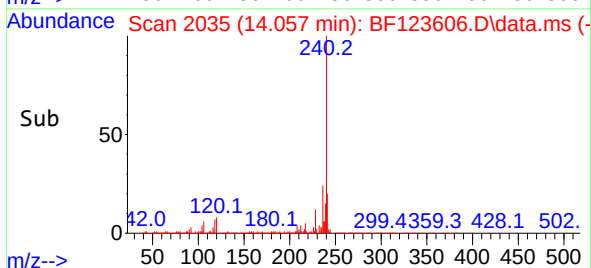
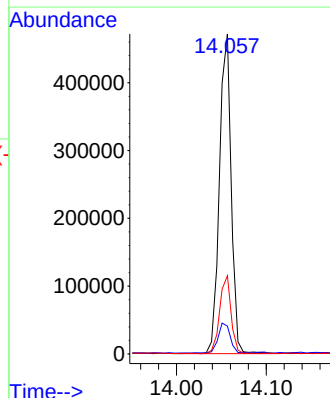
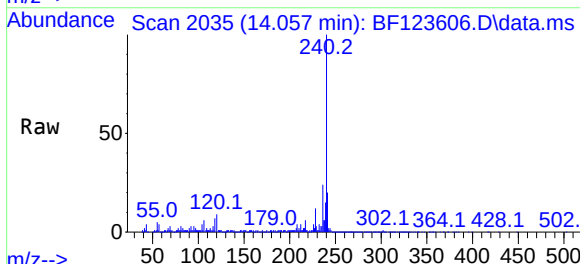
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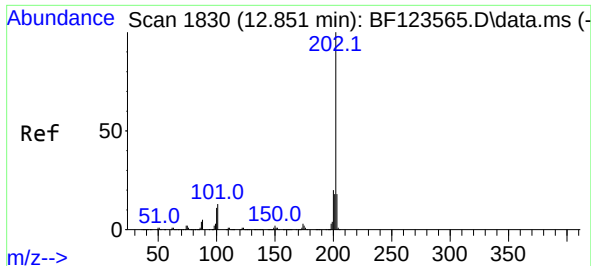
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

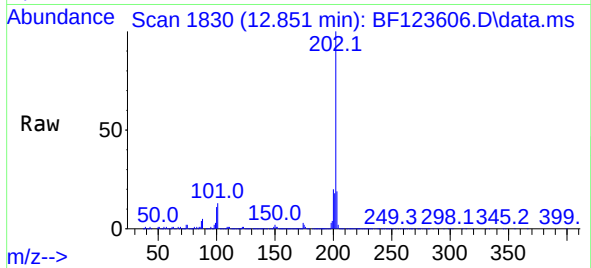
Tgt Ion:240 Resp: 428432
Ion Ratio Lower Upper
240 100
120 8.7 7.2 10.8
236 24.5 19.0 28.4





#78
Pyrene
Concen: 35.04 ng
RT: 12.851 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

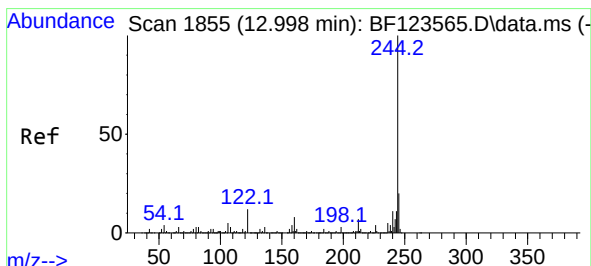
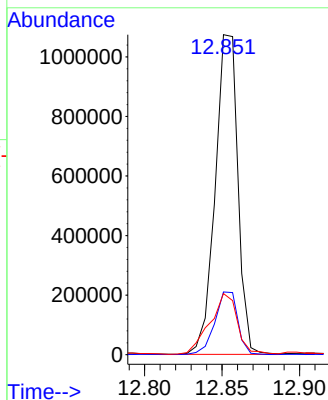
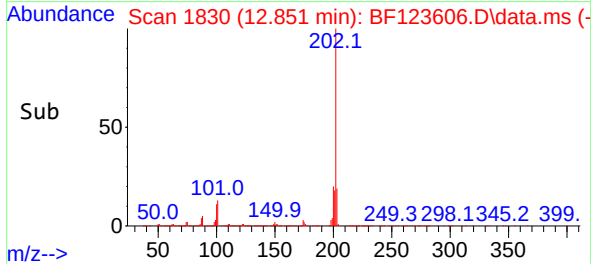


Tgt Ion:202 Resp: 1095723

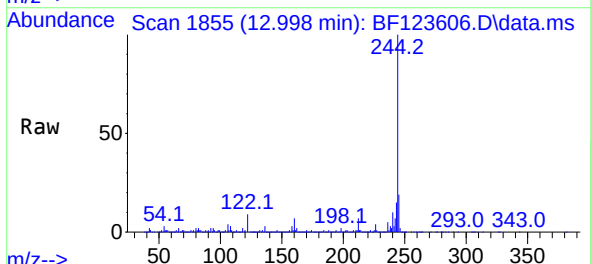
Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.1	24.1
203	19.1	14.8	22.2

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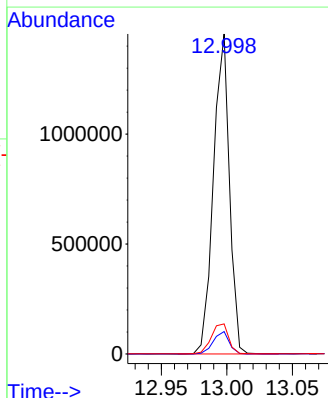
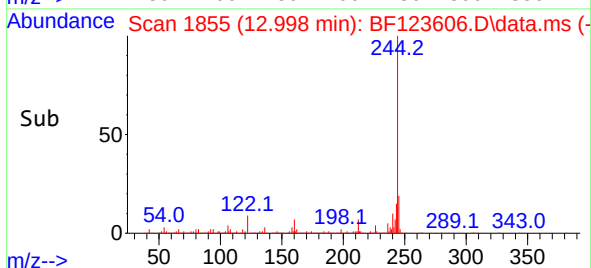


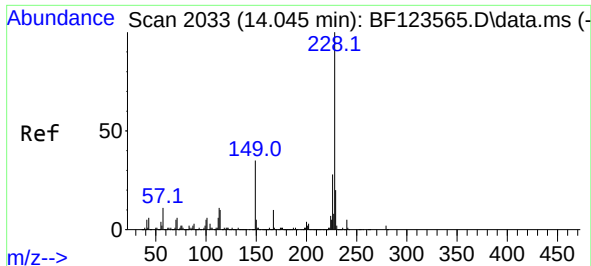
#79
Terphenyl-d14
Concen: 55.83 ng
RT: 12.998 min Scan# 1855
Delta R.T. 0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54



Tgt Ion:244 Resp: 1230694

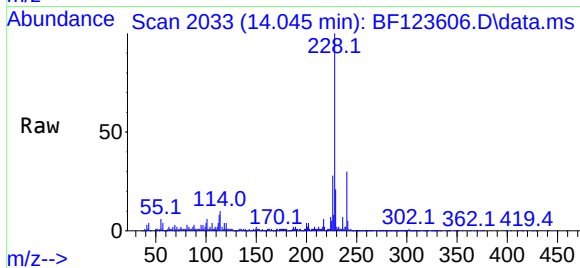
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	9.4	9.7	14.5





#81
Benzo(a)anthracene
Concen: 15.41 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

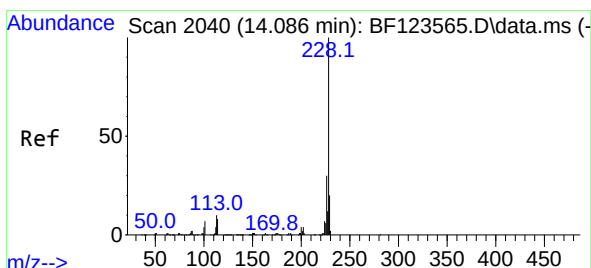
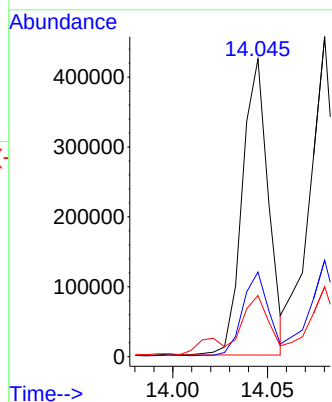
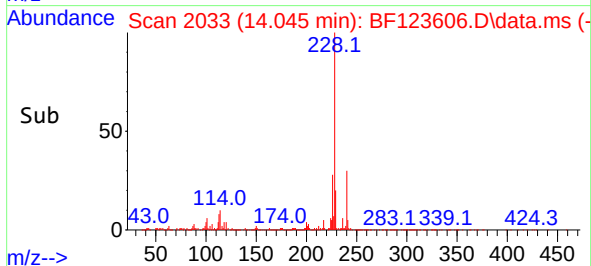
Instrument :
BNA_F
ClientSampled :
SB-01-0-2.0



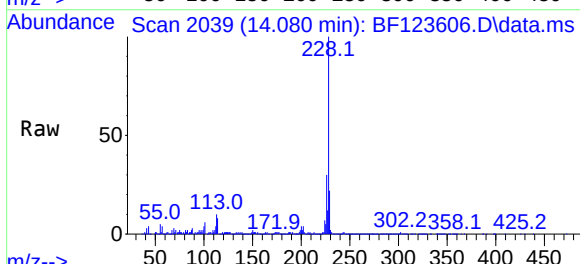
Tgt Ion:228 Resp: 404592
Ion Ratio Lower Upper
228 100
226 28.4 22.4 33.6
229 20.5 16.0 24.0

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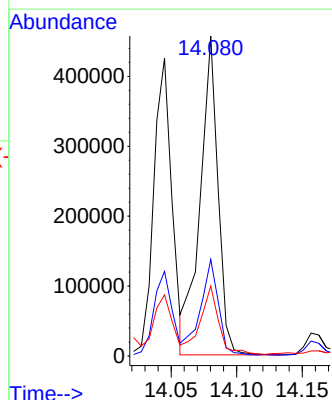
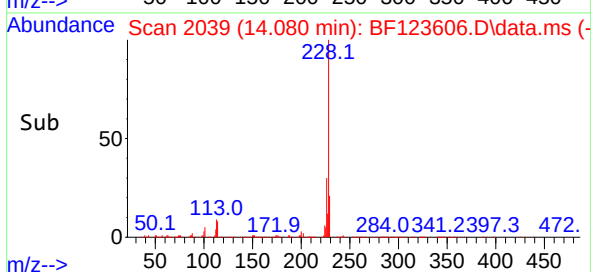
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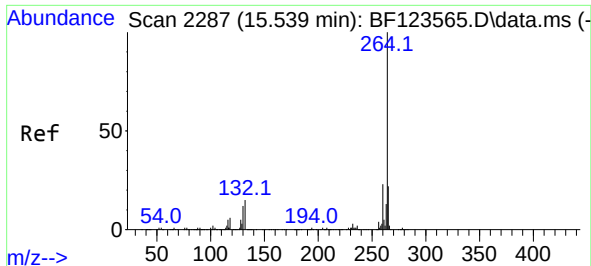


#83
Chrysene
Concen: 16.53 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54



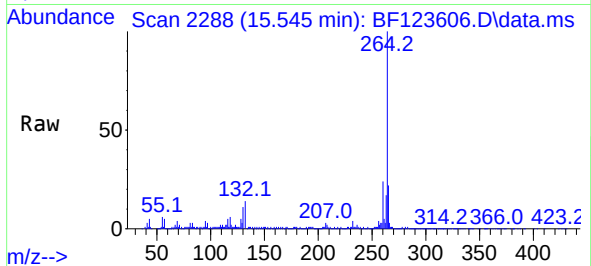
Tgt Ion:228 Resp: 435792
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 21.9 16.2 24.2





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.545 min Scan# 2288
Delta R.T. 0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

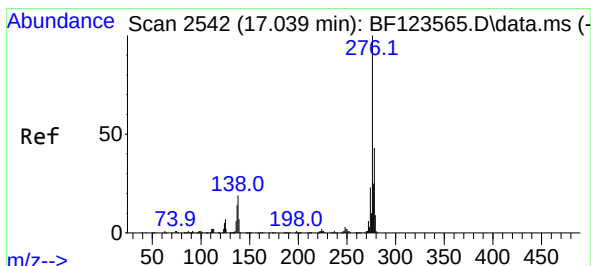
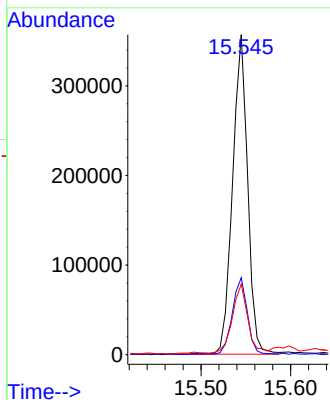
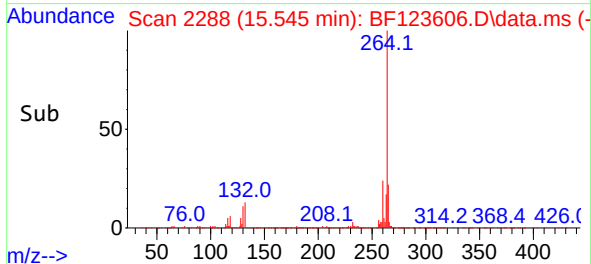
Instrument :
BNA_F
ClientSampled :
SB-01-0-2.0



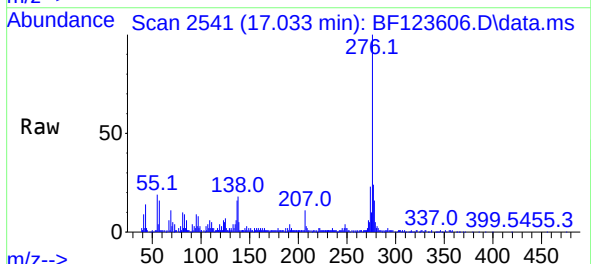
Tgt Ion:264 Resp: 415440
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 22.0 17.8 26.8

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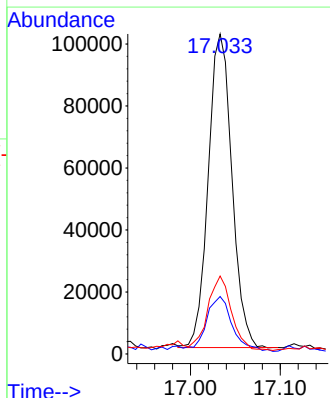
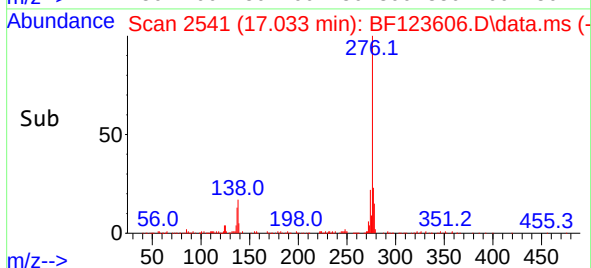
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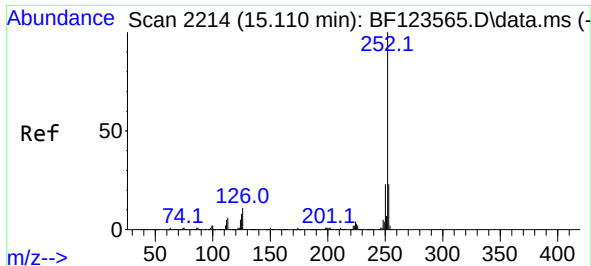


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.36 ng
RT: 17.033 min Scan# 2541
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

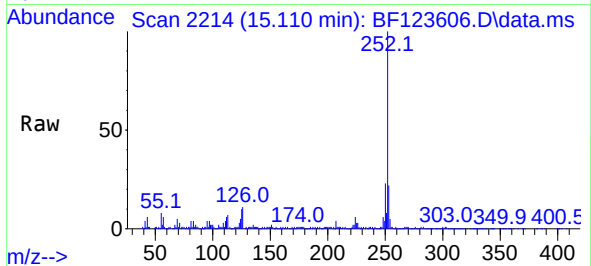


Tgt Ion:276 Resp: 185282
Ion Ratio Lower Upper
276 100
138 19.3 16.2 24.2
277 23.8 20.1 30.1

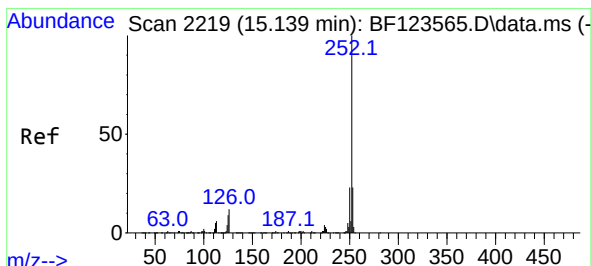
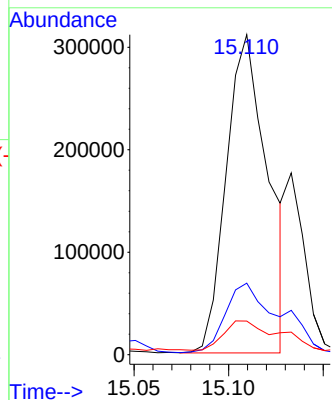
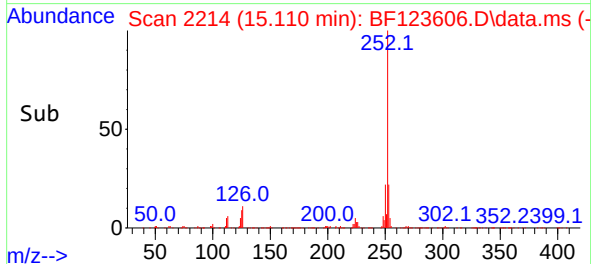




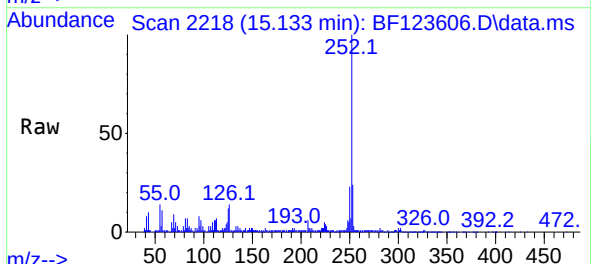
#88
Benzo(b)fluoranthene
Concen: 16.16 ng m
RT: 15.110 min Scan# 2214
Delta R.T. 0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54



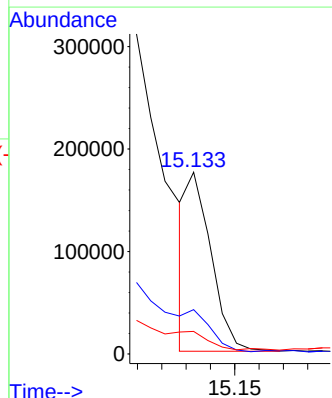
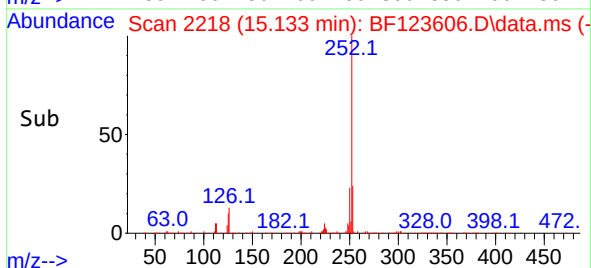
Tgt Ion:252 Resp: 473949
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 10.5 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 3.06 ng m
RT: 15.133 min Scan# 2218
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54



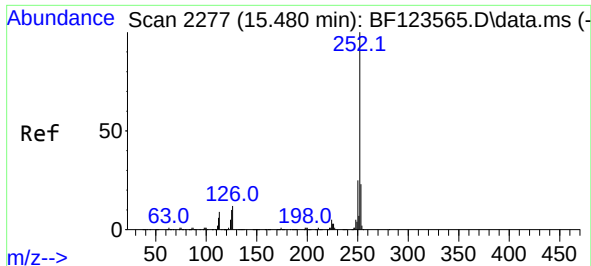
Tgt Ion:252 Resp: 119209
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 12.4 7.0 10.6#



Instrument :
BNA_F
ClientSampled :
SB-01-0-2.0

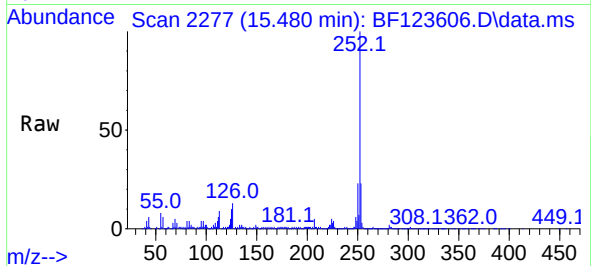
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#90
Benzo(a)pyrene
Concen: 14.32 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

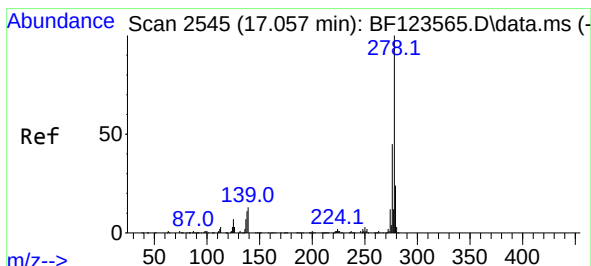
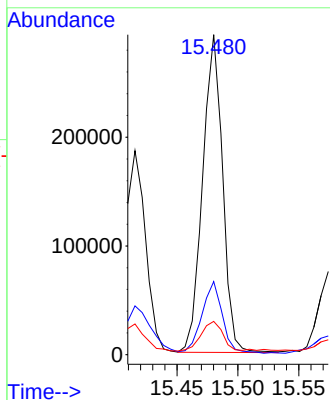
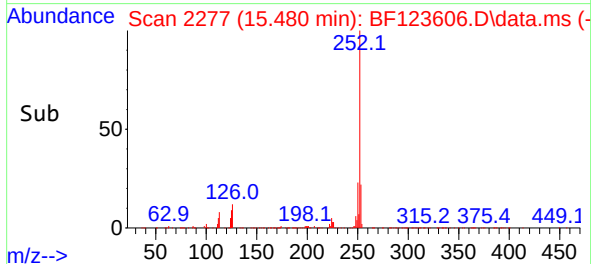
Instrument :
BNA_F
ClientSampled :
SB-01-0-2.0



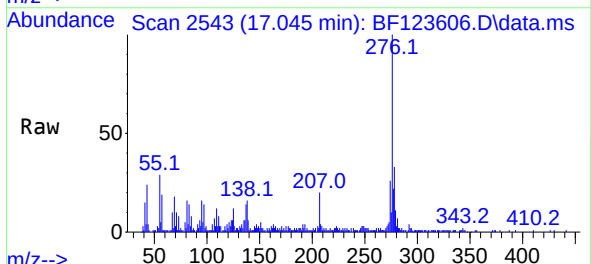
Tgt Ion:252 Resp: 334206
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 10.4 8.0 12.0

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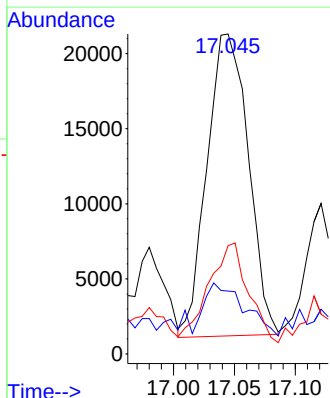
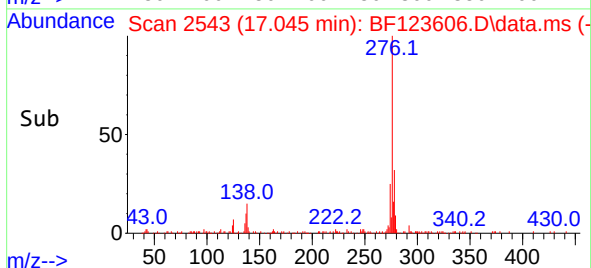
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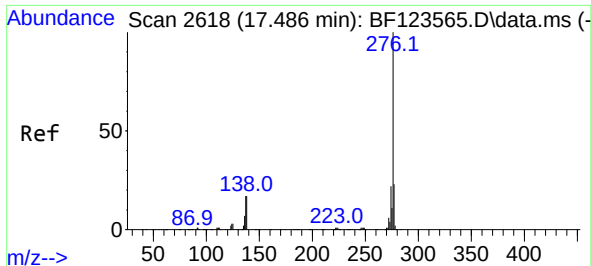


#91
Dibenzo(a,h)anthracene
Concen: 2.53 ng
RT: 17.045 min Scan# 2543
Delta R.T. -0.012 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54



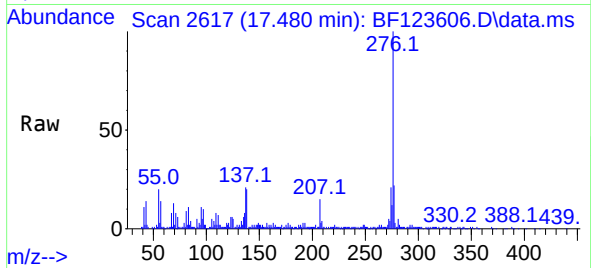
Tgt Ion:278 Resp: 47487
Ion Ratio Lower Upper
278 100
139 19.6 10.2 15.2#
279 33.9 19.4 29.0#





#92
Benzo(g,h,i)perylene
Concen: 12.03 ng
RT: 17.480 min Scan# 2617
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0



Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.3	18.2	27.2
138	19.8	13.8	20.6

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