

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060921\
 Data File : BF124218.D
 Acq On : 9 Jun 2021 20:25
 Operator : JU/CG
 Sample : M2589-04DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B8(0-2)DL

Manual Integrations
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Quant Time: Jun 10 01:55:12 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 10 01:53:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	37766	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	142269	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	71651	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	106389	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	91402	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	57603	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	105502	42.053	ng	0.00
7) Phenol-d6	6.492	99	135093	40.061	ng	0.00
23) Nitrobenzene-d5	7.410	82	103542	28.865	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	33491	32.992	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	186920	32.828	ng	0.00
79) Terphenyl-d14	12.963	244	148464	22.301	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.151	128	22210	2.611	ng	# 96
37) 2-Methylnaphthalene	8.845	142	12602	2.113	ng	91
52) Acenaphthene	9.922	154	21141	4.523	ng	# 85
55) Dibenzofuran	10.092	168	25059	3.426	ng	97
58) Fluorene	10.433	166	32590	5.804	ng	93
71) Phenanthrene	11.404	178	333606	50.197	ng	97
72) Anthracene	11.451	178	62702	9.368	ng	98
73) Carbazole	11.604	167	28406	4.870	ng	# 89
75) Fluoranthene	12.598	202	473536	67.880	ng	98
78) Pyrene	12.827	202	415094	47.294	ng	97
81) Benzo(a)anthracene	14.016	228	204445	30.704	ng	98
83) Chrysene	14.051	228	188993	29.419	ng	98
87) Indeno(1,2,3-cd)pyrene	16.986	276	62253	16.147	ng	95
88) Benzo(b)fluoranthene	15.074	252	169656m	37.915	ng	
89) Benzo(k)fluoranthene	15.098	252	59893m	14.139	ng	
90) Benzo(a)pyrene	15.439	252	111674	28.733	ng	98
91) Dibenzo(a,h)anthracene	16.998	278	19363m	8.496	ng	
92) Benzo(g,h,i)perylene	17.439	276	63225	18.224	ng	# 91

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

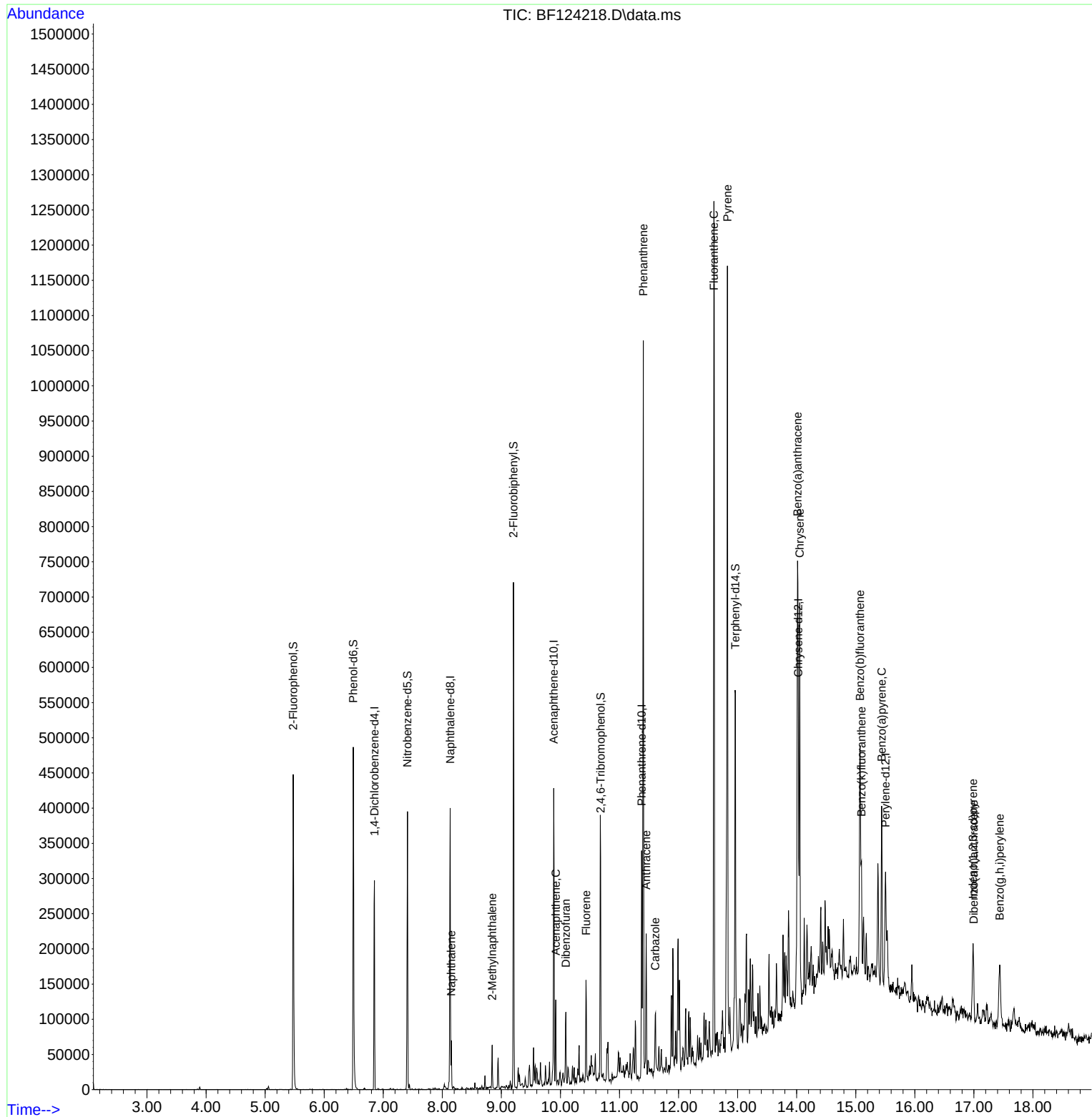
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060921\
Data File : BF124218.D
Acq On : 9 Jun 2021 20:25
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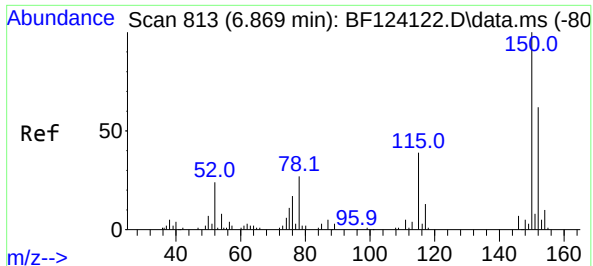
Instrument :
BNA_F
ClientSampleId :
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Quant Time: Jun 10 01:55:12 2021
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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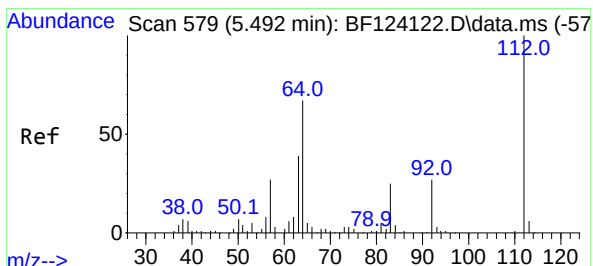
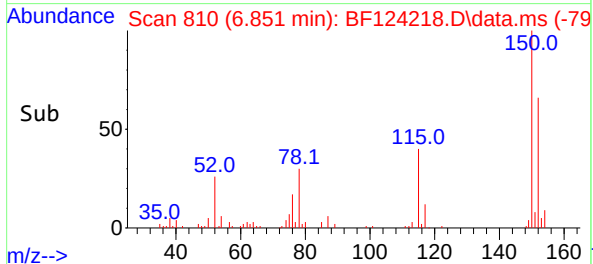
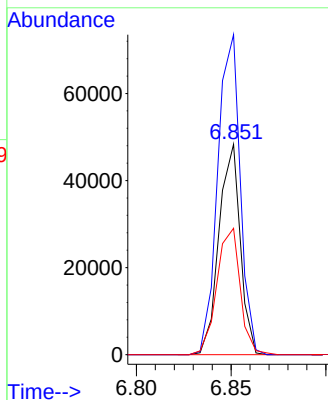
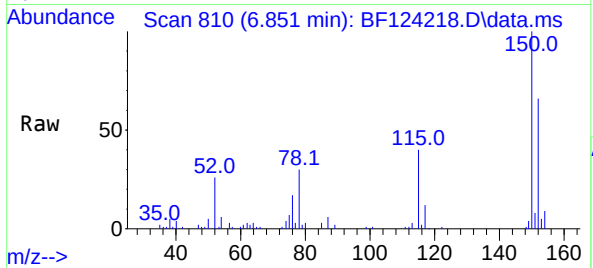
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25

Tgt Ion:152 Resp: 37766
Ion Ratio Lower Upper
152 100
150 152.0 127.0 190.6
115 60.1 54.3 81.5

Instrument :
BNA_F
ClientSampled :
18-B8(0-2)DL

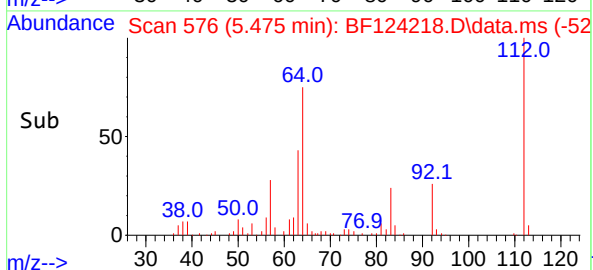
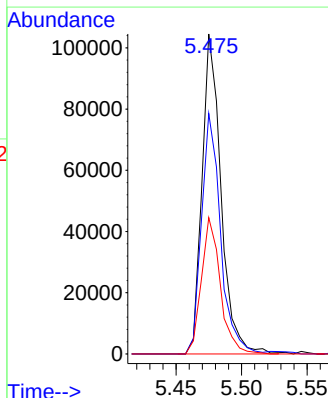
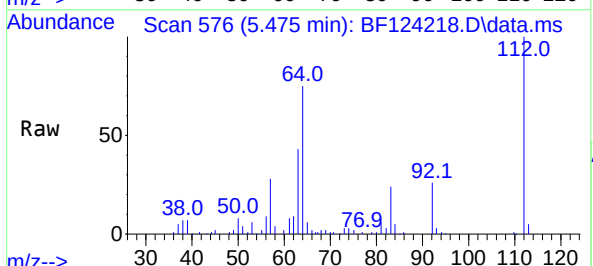
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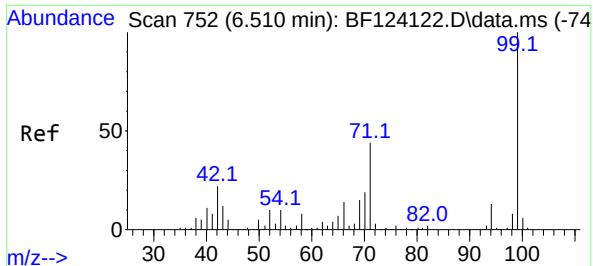
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#5
2-Fluorophenol
Concen: 42.053 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25

Tgt Ion:112 Resp: 105502
Ion Ratio Lower Upper
112 100
64 75.2 61.4 92.0
63 42.6 33.0 49.4





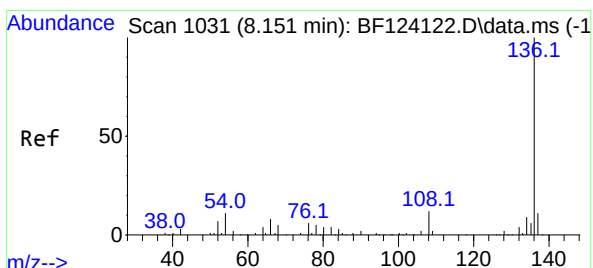
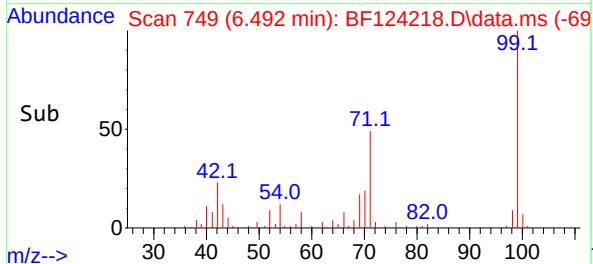
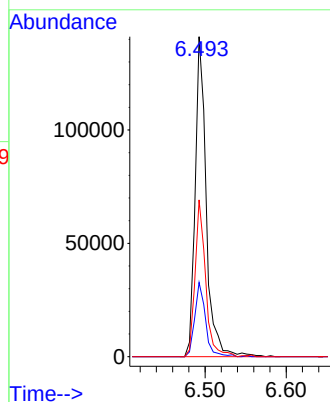
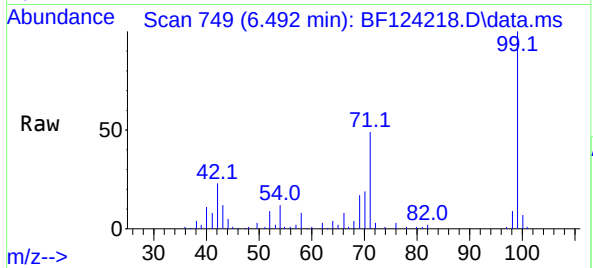
#7
Phenol-d6
Concen: 40.061 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25

Tgt Ion: 99 Resp: 135093
Ion Ratio Lower Upper
99 100
42 23.2 19.8 29.8
71 49.0 31.1 46.7#

Instrument :
BNA_F
ClientSampleId :
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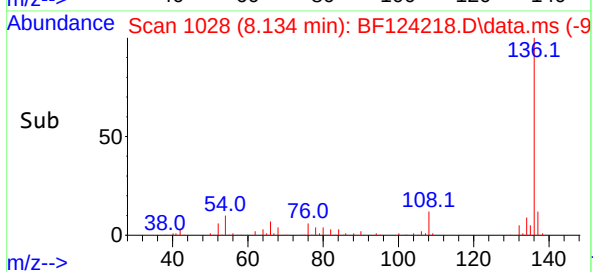
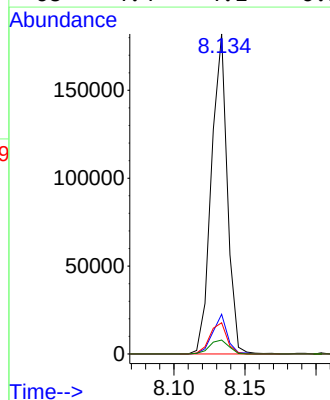
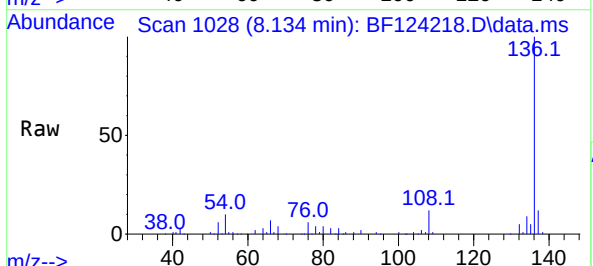
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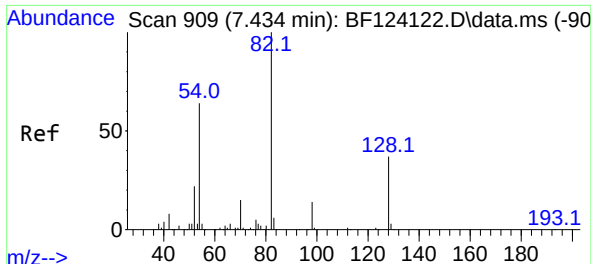
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25

Tgt Ion: 136 Resp: 142269
Ion Ratio Lower Upper
136 100
137 12.4 8.7 13.1
54 9.8 9.8 14.6
68 4.4 4.1 6.1





#23

Nitrobenzene-d5

Concen: 28.865 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF124218.D

Acq: 9 Jun 2021 20:25

Tgt Ion: 82 Resp: 103542

Ion	Ratio	Lower	Upper
82	100		
128	37.2	29.4	44.2
54	58.2	54.1	81.1

Instrument :

BNA_F

ClientSampleId :

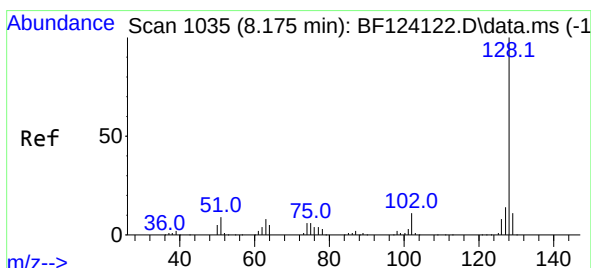
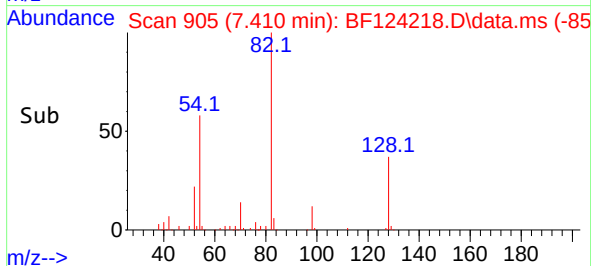
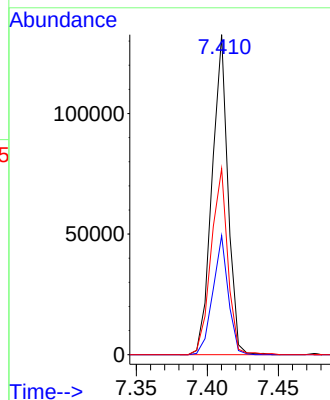
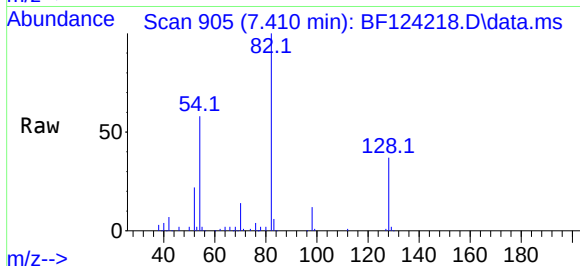
18-B8(0-2)DL

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#31

Naphthalene

Concen: 2.611 ng

RT: 8.151 min Scan# 1031

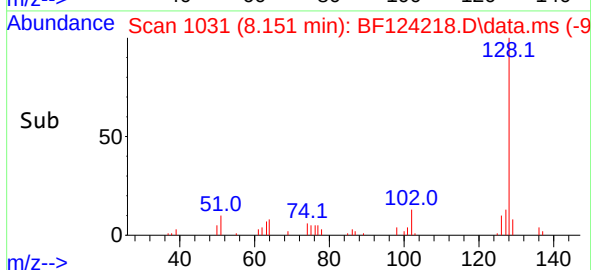
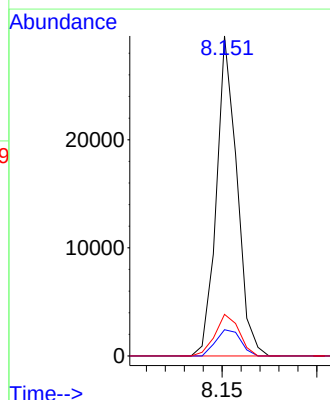
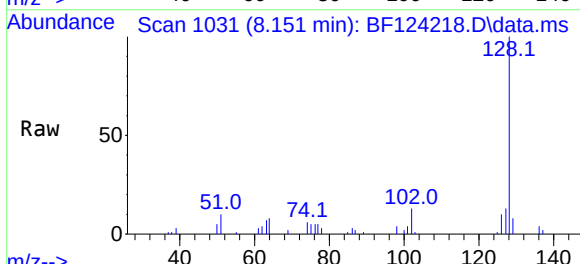
Delta R.T. -0.006 min

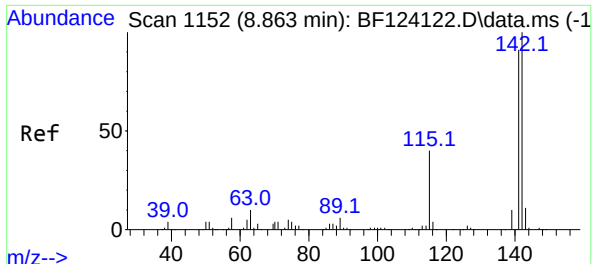
Lab File: BF124218.D

Acq: 9 Jun 2021 20:25

Tgt Ion: 128 Resp: 22210

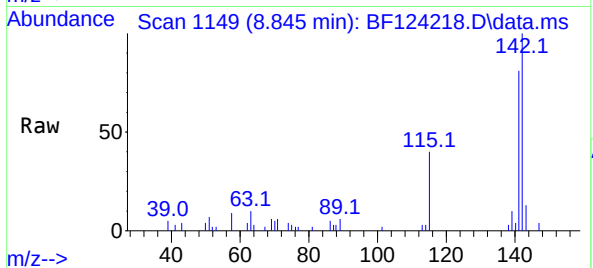
Ion	Ratio	Lower	Upper
128	100		
129	8.2	8.9	13.3#
127	13.0	10.8	16.2





#37
2-Methylnaphthalene
Concen: 2.113 ng
RT: 8.845 min Scan# 1149
Delta R.T. 0.000 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25

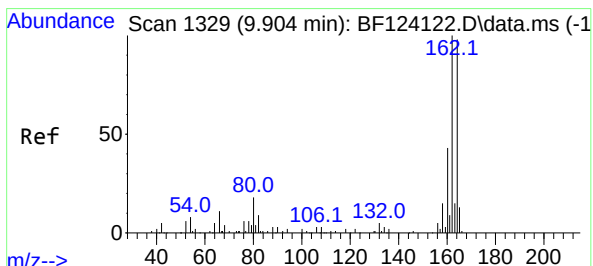
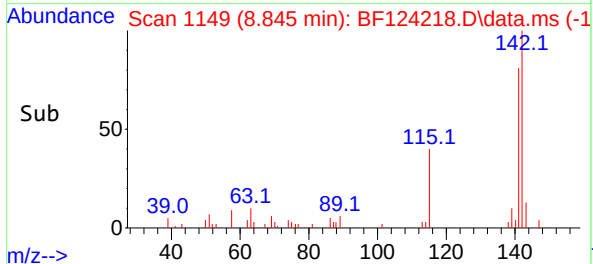
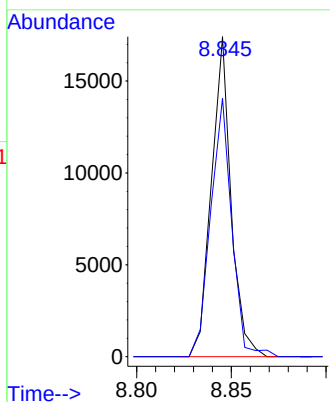
Instrument :
BNA_F
ClientSampleID :
18-B8(0-2)DL



Tgt Ion:142 Resp: 12602
Ion Ratio Lower Upper
142 100
141 80.8 71.8 107.6

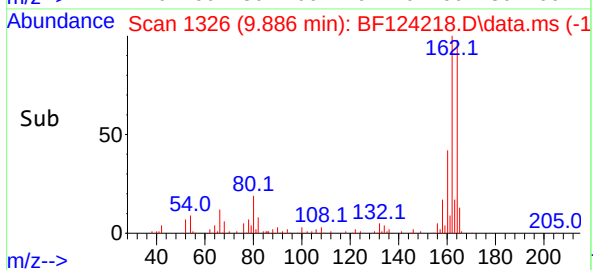
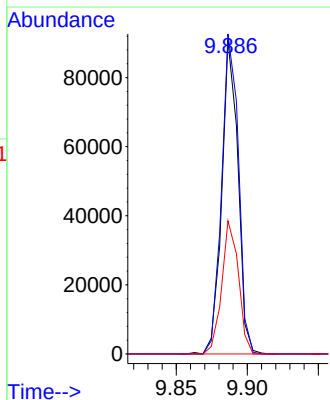
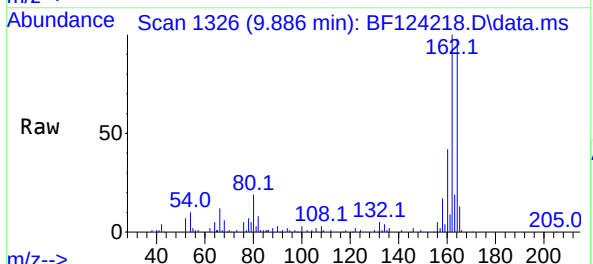
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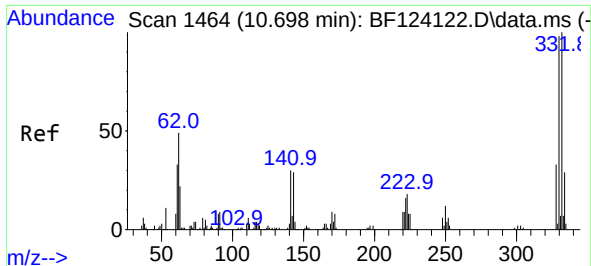
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25

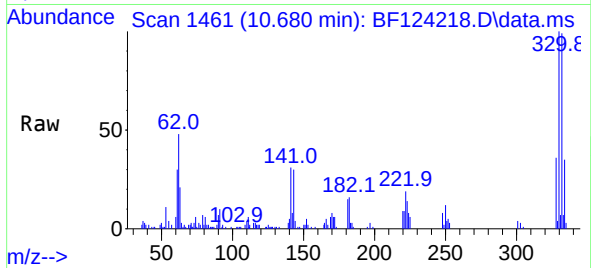
Tgt Ion:164 Resp: 71651
Ion Ratio Lower Upper
164 100
162 102.0 80.7 121.1
160 42.5 37.3 55.9





#42
2,4,6-Tribromophenol
Concen: 32.992 ng
RT: 10.680 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25

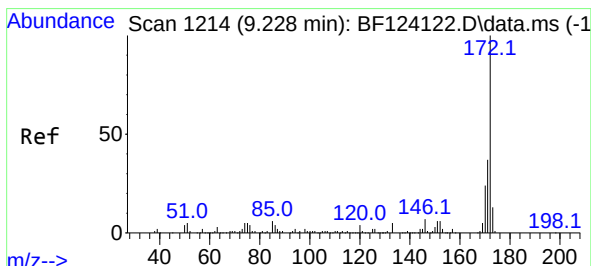
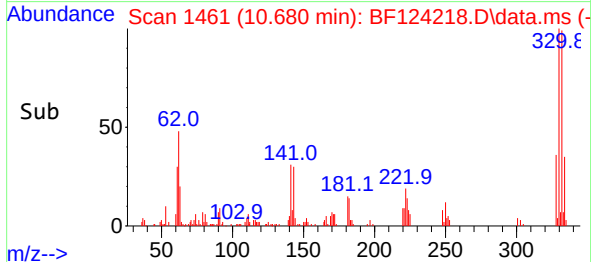
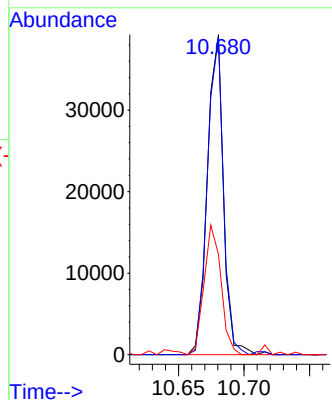
Instrument :
BNA_F
ClientSampled :
18-B8(0-2)DL



Tgt Ion:330 Resp: 33491
Ion Ratio Lower Upper
330 100
332 99.1 77.1 115.7
141 42.7 27.9 41.9#

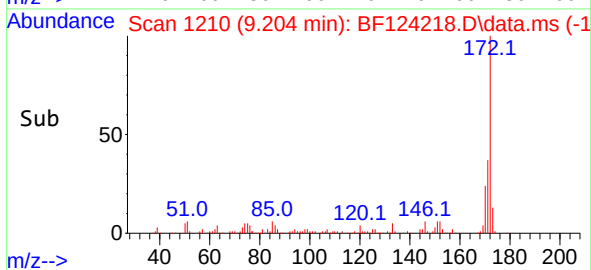
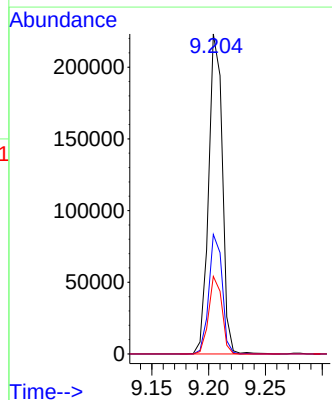
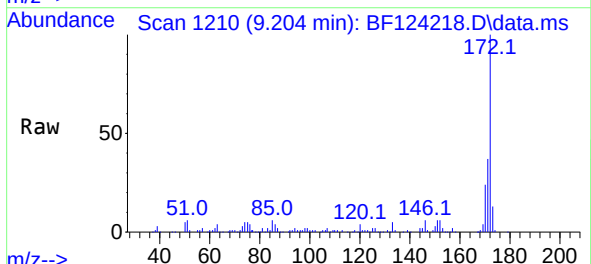
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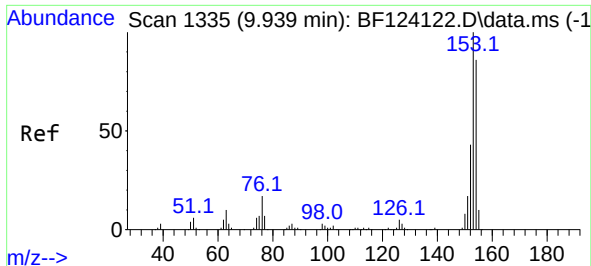
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#45
2-Fluorobiphenyl
Concen: 32.828 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25

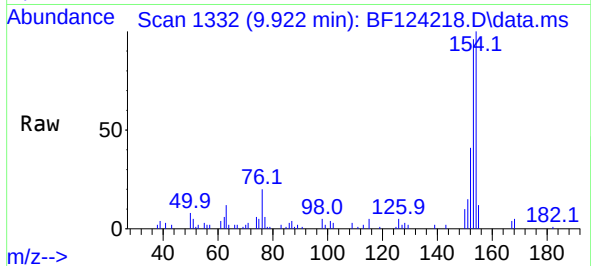
Tgt Ion:172 Resp: 186920
Ion Ratio Lower Upper
172 100
171 37.4 28.1 42.1
170 24.3 19.2 28.8





#52
Acenaphthene
Concen: 4.523 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25

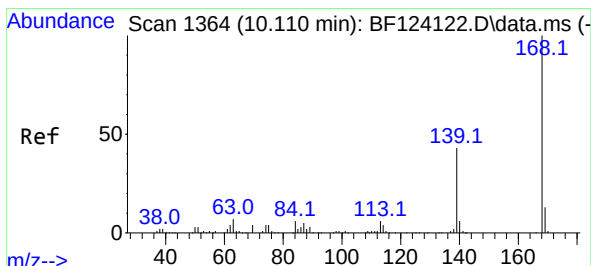
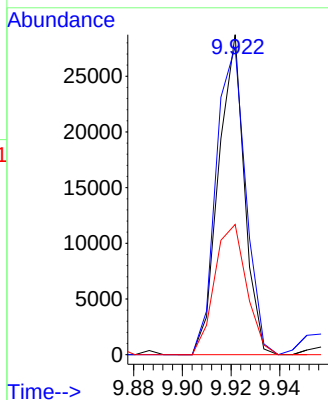
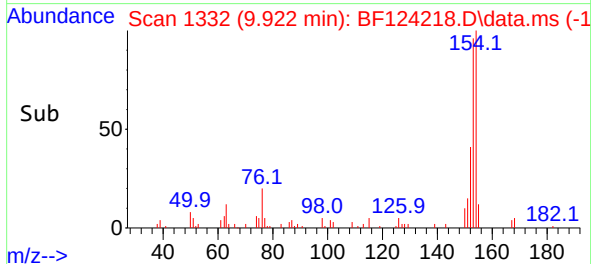
Instrument :
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18-B8(0-2)DL



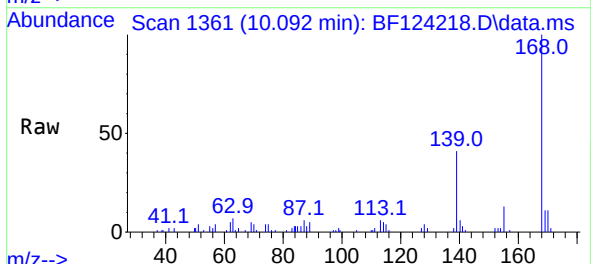
Tgt Ion:154 Resp: 21141
Ion Ratio Lower Upper
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153 96.2 88.1 132.1
152 40.7 43.4 65.0#

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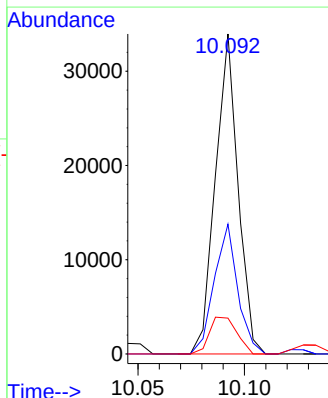
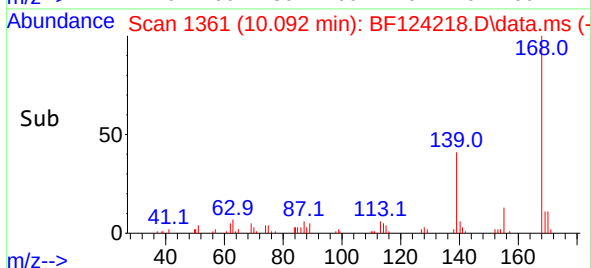
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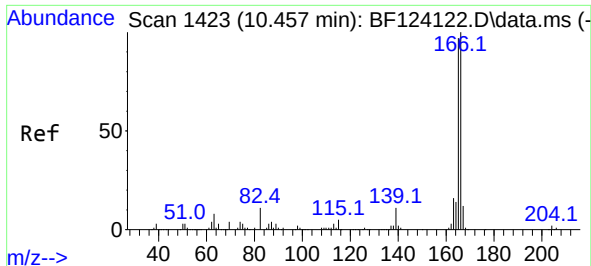


#55
Dibenzofuran
Concen: 3.426 ng
RT: 10.092 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25



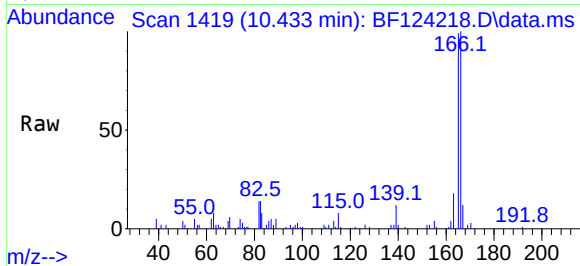
Tgt Ion:168 Resp: 25059
Ion Ratio Lower Upper
168 100
139 40.5 33.2 49.8
169 11.2 10.8 16.2





#58
Fluorene
Concen: 5.804 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25

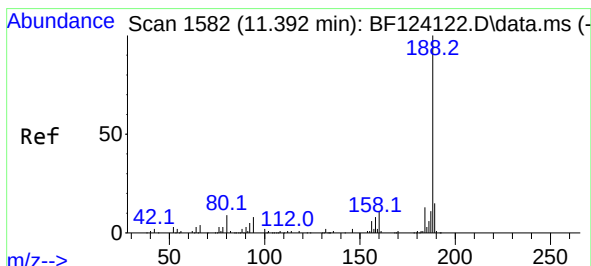
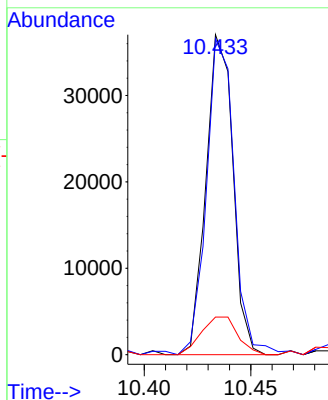
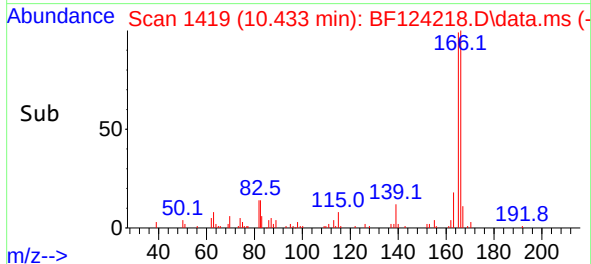
Instrument :
BNA_F
ClientSampleID :
18-B8(0-2)DL



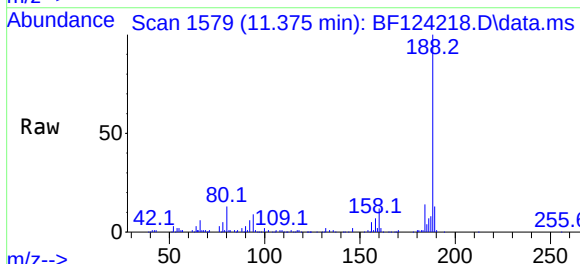
Tgt Ion:166 Resp: 32590
Ion Ratio Lower Upper
166 100
165 98.8 73.5 110.3
167 11.8 10.7 16.1

Manual Integrations
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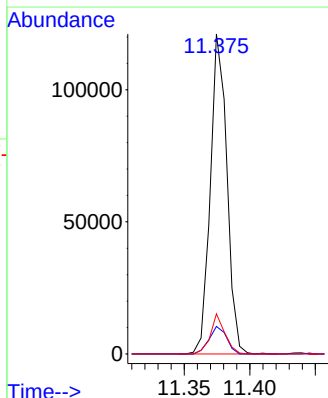
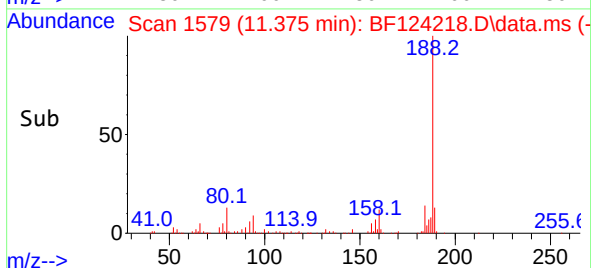
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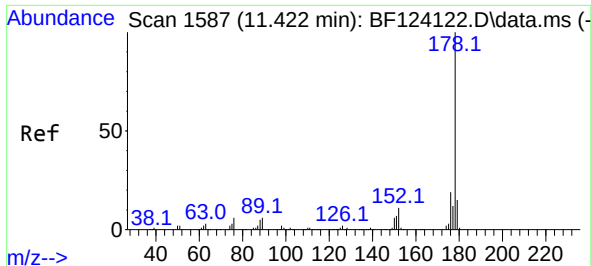


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25

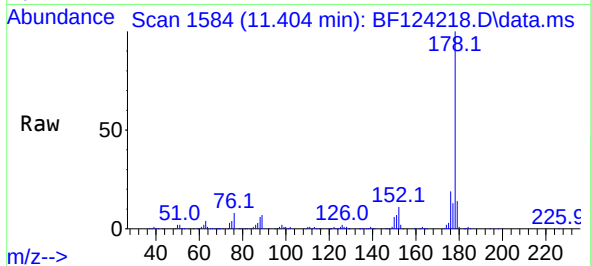


Tgt Ion:188 Resp: 106389
Ion Ratio Lower Upper
188 100
94 8.6 6.9 10.3
80 12.5 8.2 12.2#

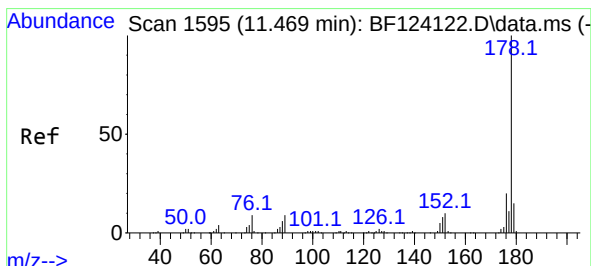
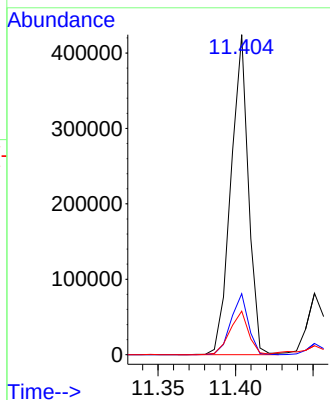
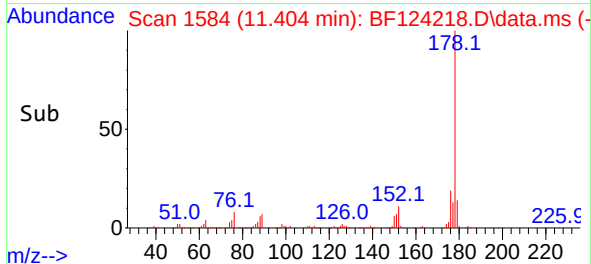




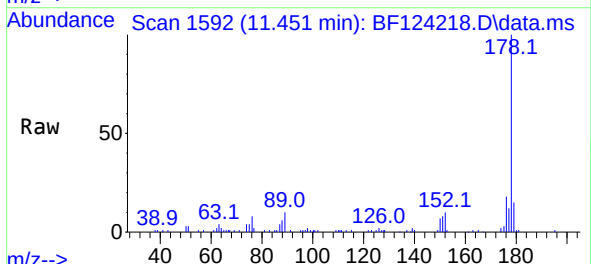
#71
Phenanthrene
Concen: 50.197 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25



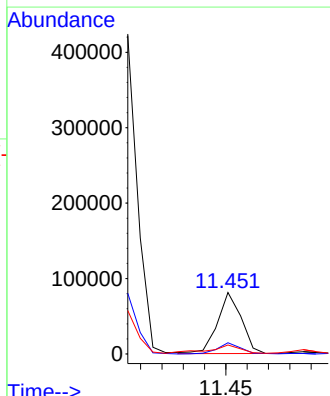
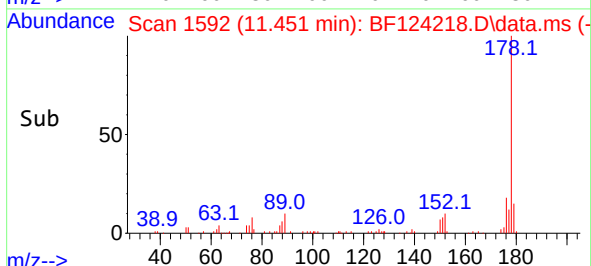
Tgt Ion:178 Resp: 333606
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 13.6 12.5 18.7



#72
Anthracene
Concen: 9.368 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25



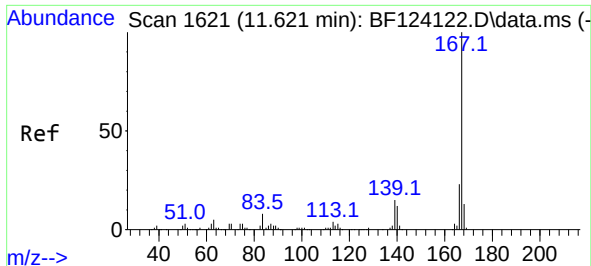
Tgt Ion:178 Resp: 62702
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 14.6 12.6 18.8



Instrument :
BNA_F
ClientSampled :
18-B8(0-2)DL

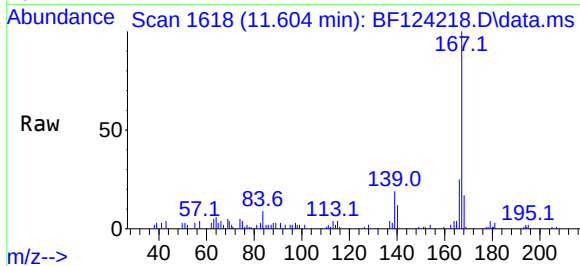
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#73
Carbazole
Concen: 4.870 ng
RT: 11.604 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25

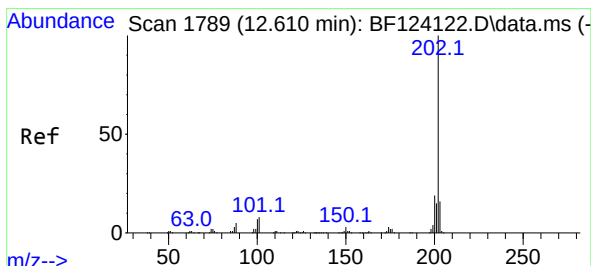
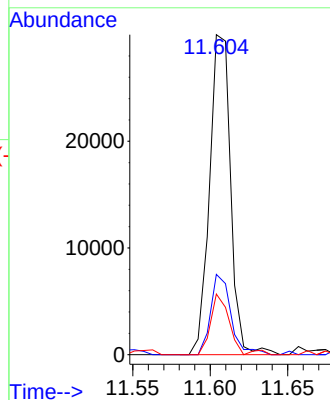
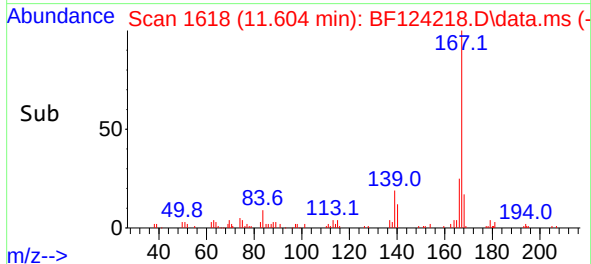
Instrument :
BNA_F
ClientSampleId :
18-B8(0-2)DL



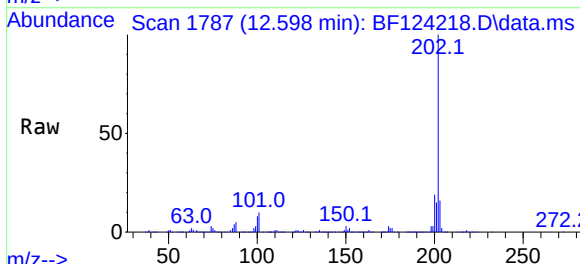
Tgt Ion:167 Resp: 28406
Ion Ratio Lower Upper
167 100
166 25.1 17.0 25.6
139 18.9 10.4 15.6#

Manual Integrations
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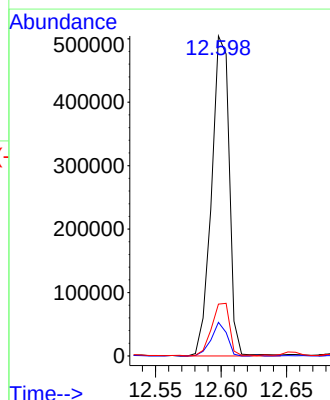
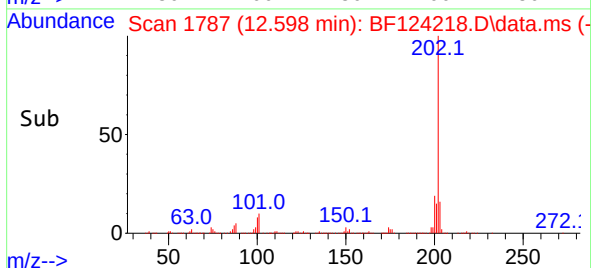
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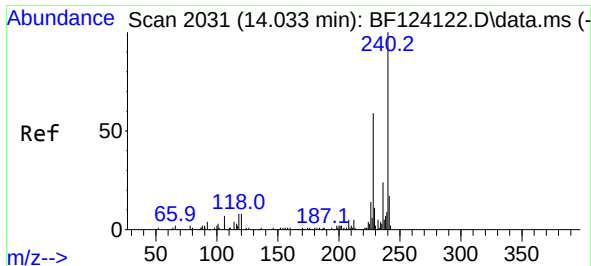


#75
Fluoranthene
Concen: 67.880 ng
RT: 12.598 min Scan# 1787
Delta R.T. 0.006 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25



Tgt Ion:202 Resp: 473536
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.9
203 16.2 0.0 37.5





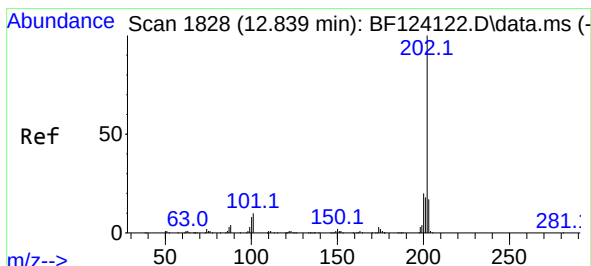
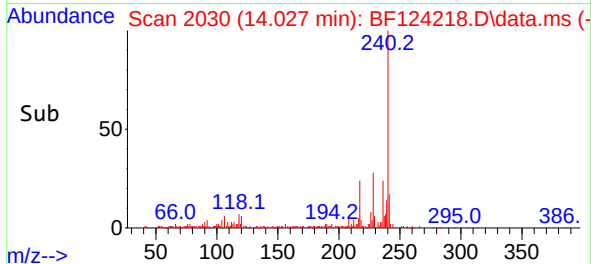
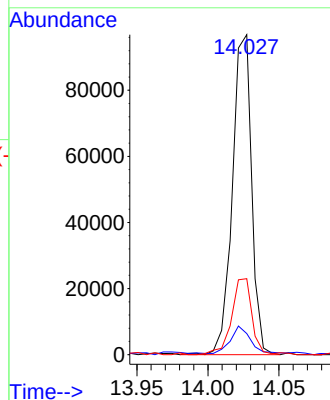
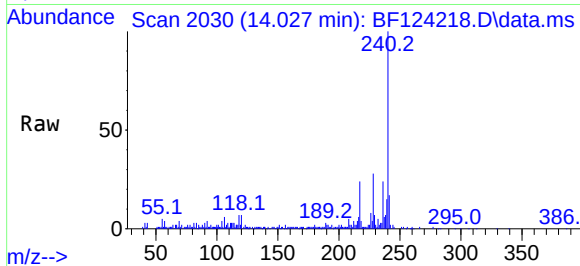
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25

Tgt Ion:240 Resp: 91402
Ion Ratio Lower Upper
240 100
120 6.6 7.2 10.8#
236 23.7 19.0 28.4

Instrument :
BNA_F
ClientSampleId :
18-B8(0-2)DL

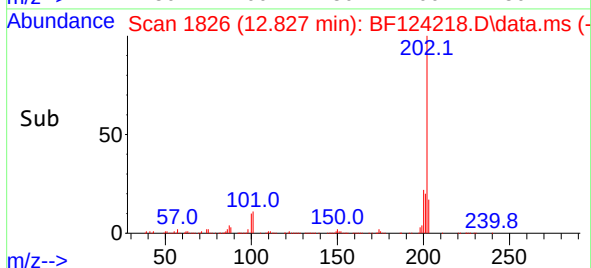
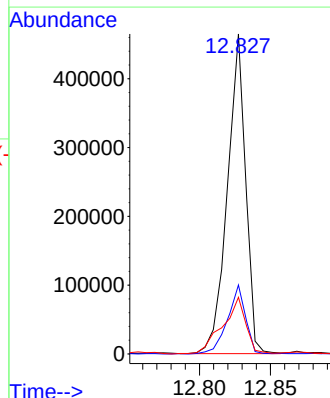
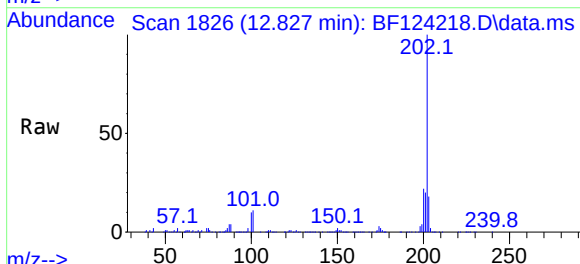
Manual Integrations
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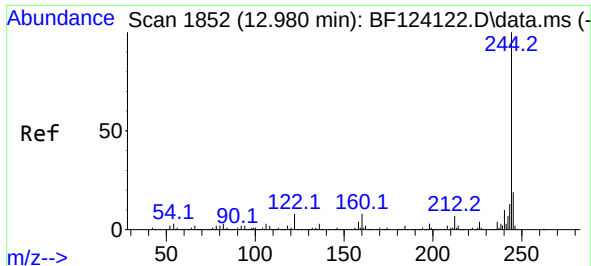
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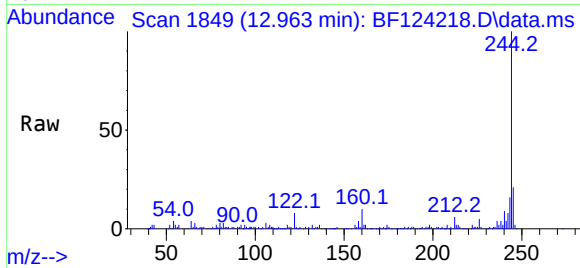
#78
Pyrene
Concen: 47.294 ng
RT: 12.827 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25

Tgt Ion:202 Resp: 415094
Ion Ratio Lower Upper
202 100
200 21.5 16.1 24.1
203 17.7 14.8 22.2

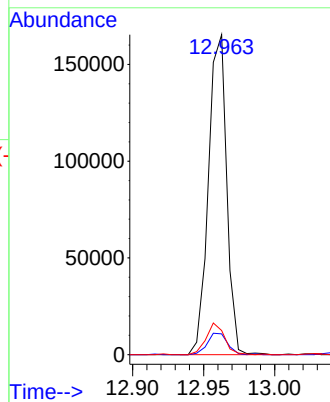
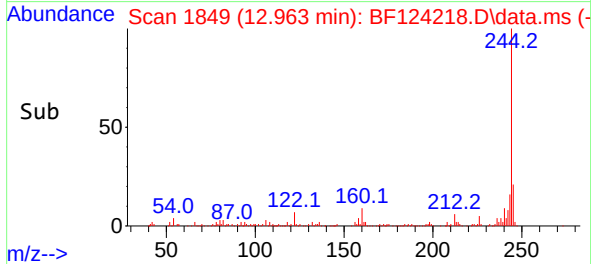




#79
Terphenyl-d14
Concen: 22.301 ng
RT: 12.963 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25



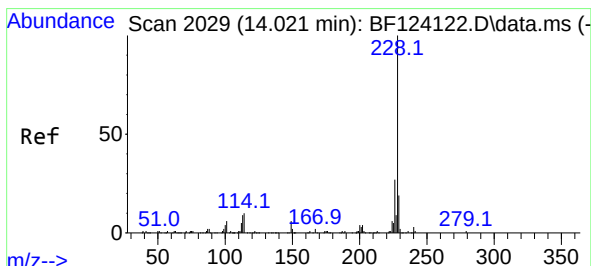
Tgt Ion:244 Resp: 148464
Ion Ratio Lower Upper
244 100
212 6.5 5.7 8.5
122 7.6 9.7 14.5#



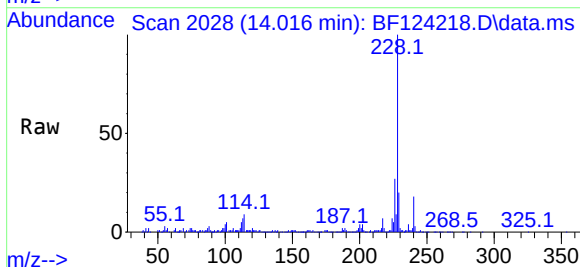
Instrument :
BNA_F
ClientSampleId :
18-B8(0-2)DL

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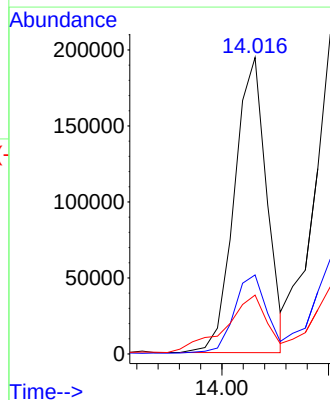
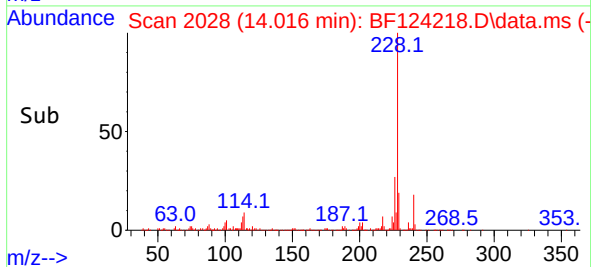
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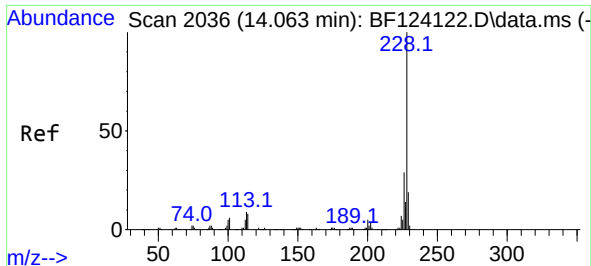


#81
Benzo(a)anthracene
Concen: 30.704 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25

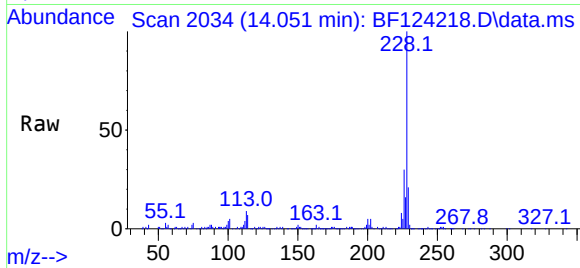


Tgt Ion:228 Resp: 204445
Ion Ratio Lower Upper
228 100
226 26.7 22.4 33.6
229 19.9 16.0 24.0

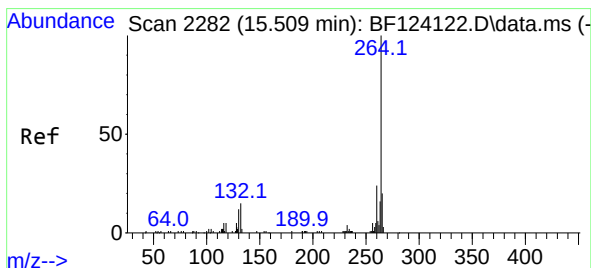
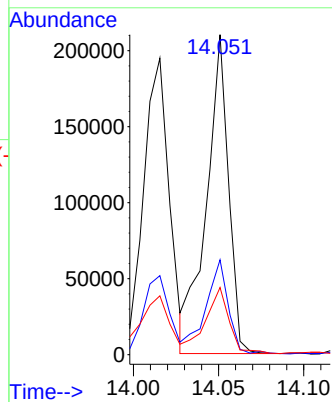
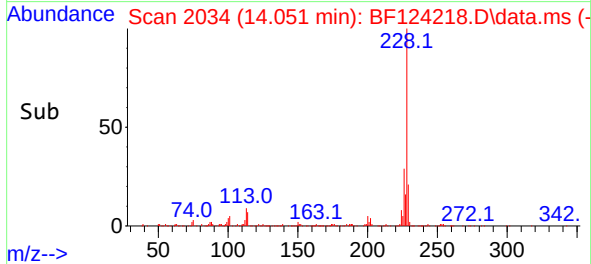




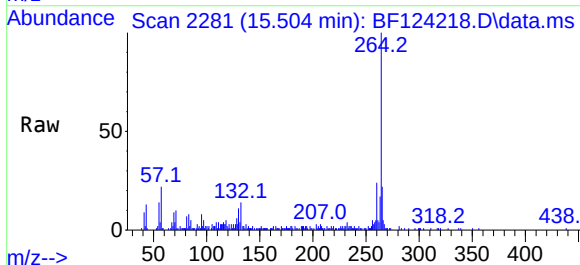
#83
Chrysene
Concen: 29.419 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25



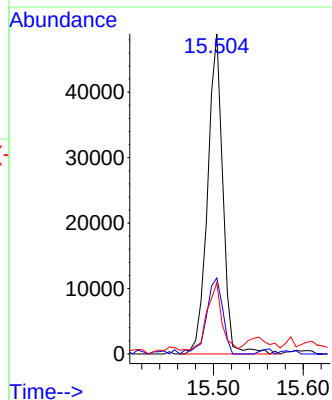
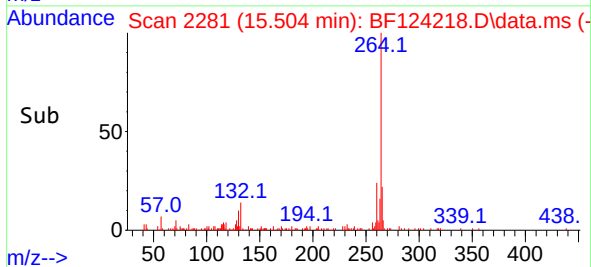
Tgt Ion:228 Resp: 188993
Ion Ratio Lower Upper
228 100
226 29.6 24.3 36.5
229 21.0 16.2 24.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25



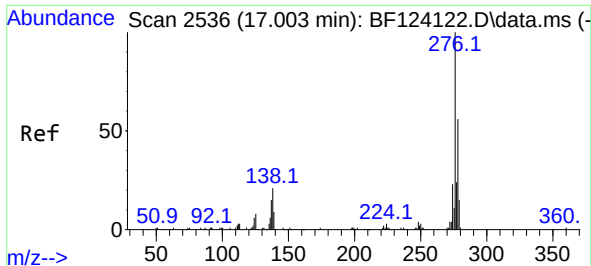
Tgt Ion:264 Resp: 57603
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 22.3 17.8 26.8



Instrument :
BNA_F
ClientSampled :
18-B8(0-2)DL

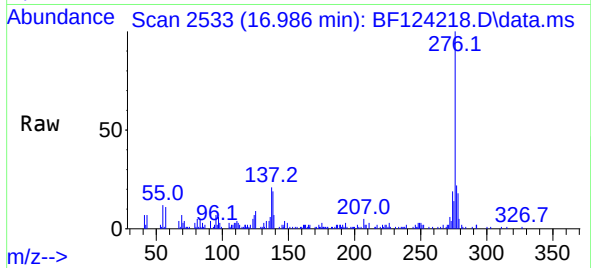
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#87
Indeno(1,2,3-cd)pyrene
Concen: 16.147 ng
RT: 16.986 min Scan# 2533
Delta R.T. 0.006 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25

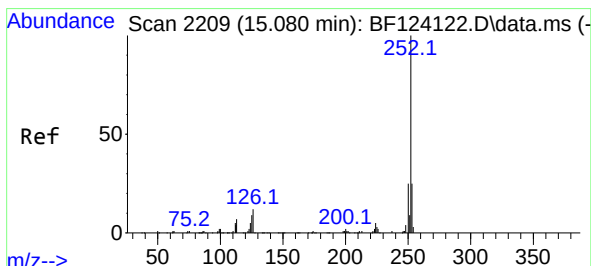
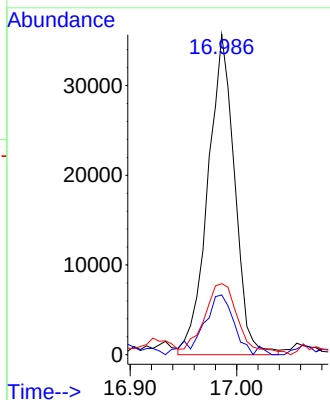
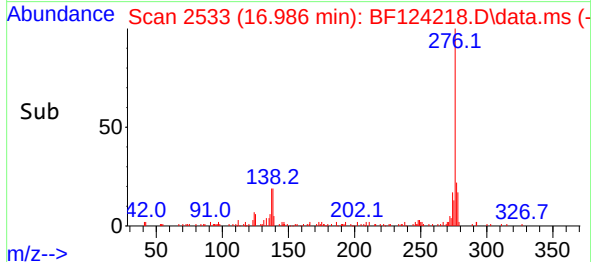
Instrument :
BNA_F
ClientSampleId :
18-B8(0-2)DL



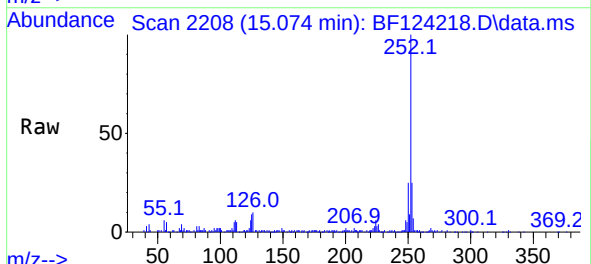
Tgt Ion:276 Resp: 62253
Ion Ratio Lower Upper
276 100
138 21.3 16.2 24.2
277 28.5 20.1 30.1

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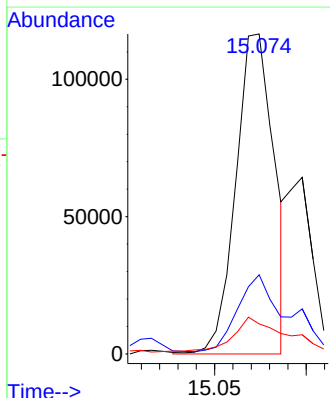
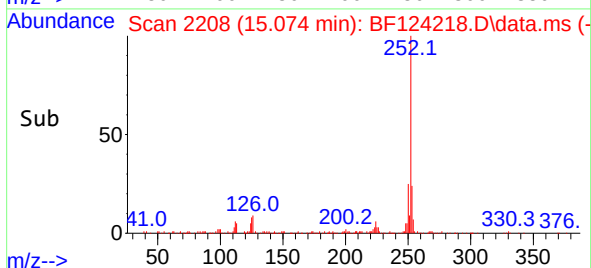
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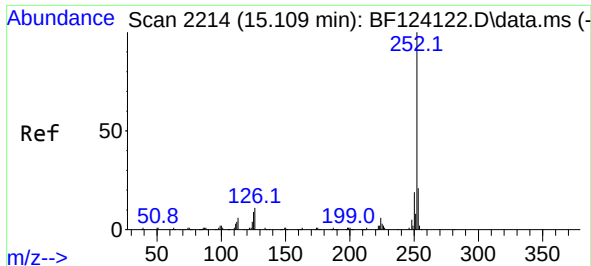


#88
Benzo(b)fluoranthene
Concen: 37.915 ng m
RT: 15.074 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25



Tgt Ion:252 Resp: 169656
Ion Ratio Lower Upper
252 100
253 24.8 18.1 27.1
125 9.4 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 14.139 ng m

RT: 15.098 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF124218.D

Acq: 9 Jun 2021 20:25

Tgt Ion:252	Resp:	59893
Ion Ratio	Lower	Upper
252	100	
253	25.6	17.9 26.9
125	10.9	7.0 10.6#

Instrument :

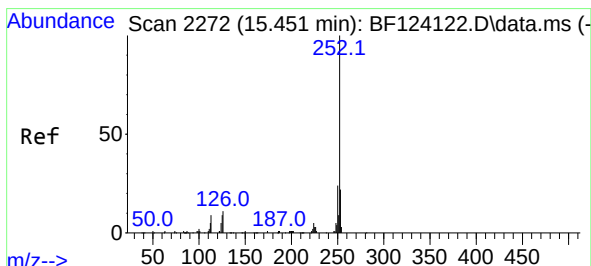
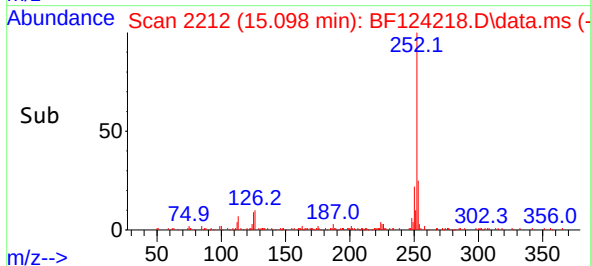
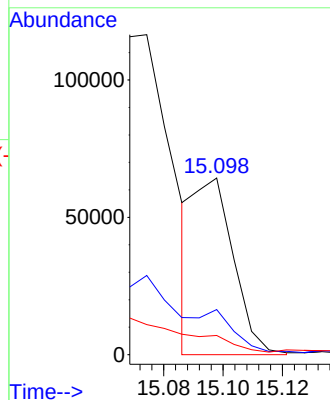
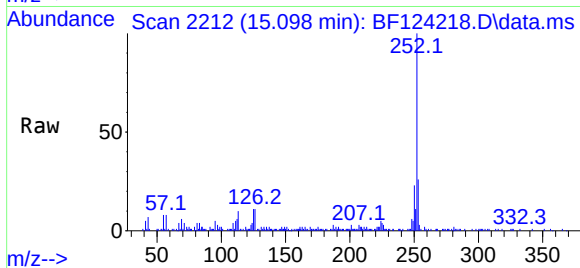
BNA_F

ClientSampleId :

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#90

Benzo(a)pyrene

Concen: 28.733 ng

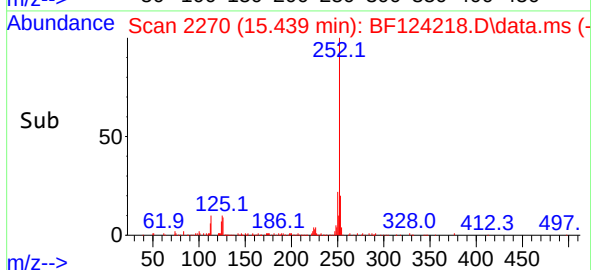
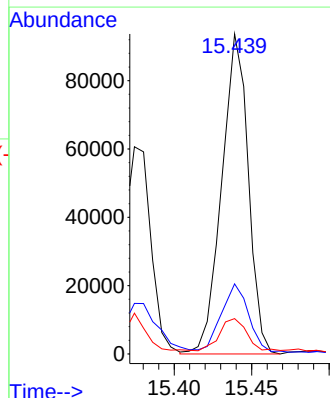
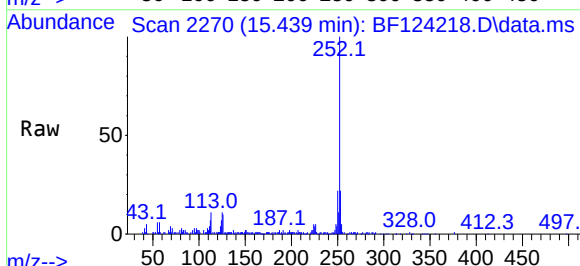
RT: 15.439 min Scan# 2270

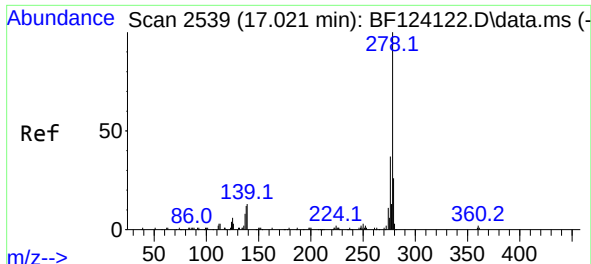
Delta R.T. 0.006 min

Lab File: BF124218.D

Acq: 9 Jun 2021 20:25

Tgt Ion:252	Resp:	111674
Ion Ratio	Lower	Upper
252	100	
253	21.9	18.4 27.6
125	11.1	8.0 12.0





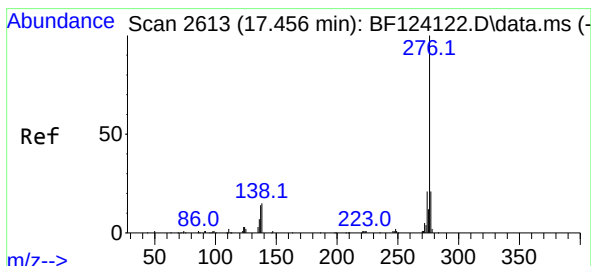
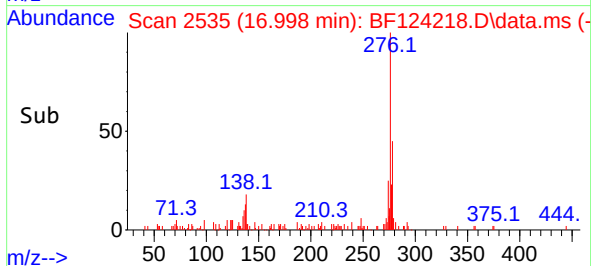
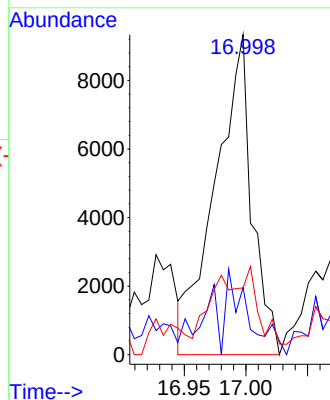
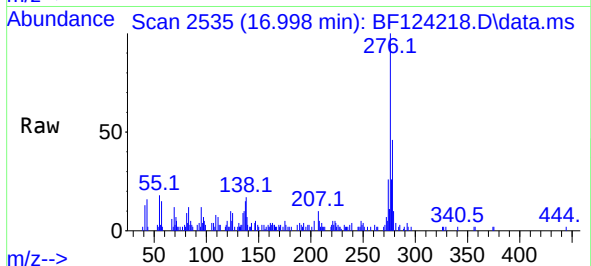
#91
Dibenzo(a,h)anthracene
Concen: 8.496 ng m
RT: 16.998 min Scan# 2535
Delta R.T. 0.006 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25

Tgt Ion:278 Resp: 19363
Ion Ratio Lower Upper
278 100
139 15.1 10.2 15.2
279 20.8 19.4 29.0

Instrument :
BNA_F
ClientSampleId :
18-B8(0-2)DL

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 18.224 ng
RT: 17.439 min Scan# 2610
Delta R.T. 0.006 min
Lab File: BF124218.D
Acq: 9 Jun 2021 20:25

Tgt Ion:276 Resp: 63225
Ion Ratio Lower Upper
276 100
277 27.5 18.2 27.2#
138 13.7 13.8 20.6#

