

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
 Data File : BF122040.D
 Acq On : 20 Oct 2020 20:42
 Operator : JU/CG
 Sample : L4435-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 5412

Manual Integrations
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mohammad
 10/21/2020 12:50:19 PM

Quant Time: Oct 21 00:38:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 12:55:05 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	95585	20.00	ng	-0.02
21) Naphthalene-d8	8.010	136	347824	20.00	ng	-0.02
39) Acenaphthene-d10	9.763	164	171073	20.00	ng	-0.02
64) Phenanthrene-d10	11.251	188	251376	20.00	ng	-0.01
76) Chrysene-d12	13.898	240	241092	20.00	ng	-0.01
86) Perylene-d12	15.333	264	260347	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	35879	5.54	ng	0.00
7) Phenol-d6	6.381	99	493827	59.23	ng	-0.01
23) Nitrobenzene-d5	7.298	82	478834	70.60	ng	-0.02
42) 2,4,6-Tribromophenol	10.563	330	455	0.22	ng	-0.01
45) 2-Fluorobiphenyl	9.086	172	771332	66.34	ng	-0.02
79) Terphenyl-d14	12.839	244	689312	54.49	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.033	128	198867	10.67	ng	# 89
37) 2-Methylnaphthalene	8.727	142	159789	13.24	ng	# 87
38) 1-Methylnaphthalene	8.822	142	190409	17.04	ng	# 96
46) 1,1'-Biphenyl	9.192	154	37170	2.67	ng	98
49) Acenaphthylene	9.627	152	122338	7.36	ng	97
50) Dimethylphthalate	9.486	163	86156	6.89	ng	# 91
52) Acenaphthene	9.798	154	23595	2.39	ng	98
58) Fluorene	10.310	166	48641	4.18	ng	97
71) Phenanthrene	11.274	178	256372	18.60	ng	99
72) Anthracene	11.327	178	71532	5.00	ng	98
75) Fluoranthene	12.468	202	237010	16.04	ng	98
78) Pyrene	12.698	202	393441	21.41	ng	98
81) Benzo(a)anthracene	13.886	228	171827	10.88	ng	98
83) Chrysene	13.921	228	174019	11.22	ng	96
87) Indeno(1,2,3-cd)pyrene	16.745	276	69720	4.12	ng	94
88) Benzo(b)fluoranthene	14.921	252	148319m	8.43	ng	
89) Benzo(k)fluoranthene	14.951	252	47927m	2.87	ng	
90) Benzo(a)pyrene	15.274	252	118015	7.76	ng	96
92) Benzo(g,h,i)perylene	17.174	276	75735	5.44	ng	99

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

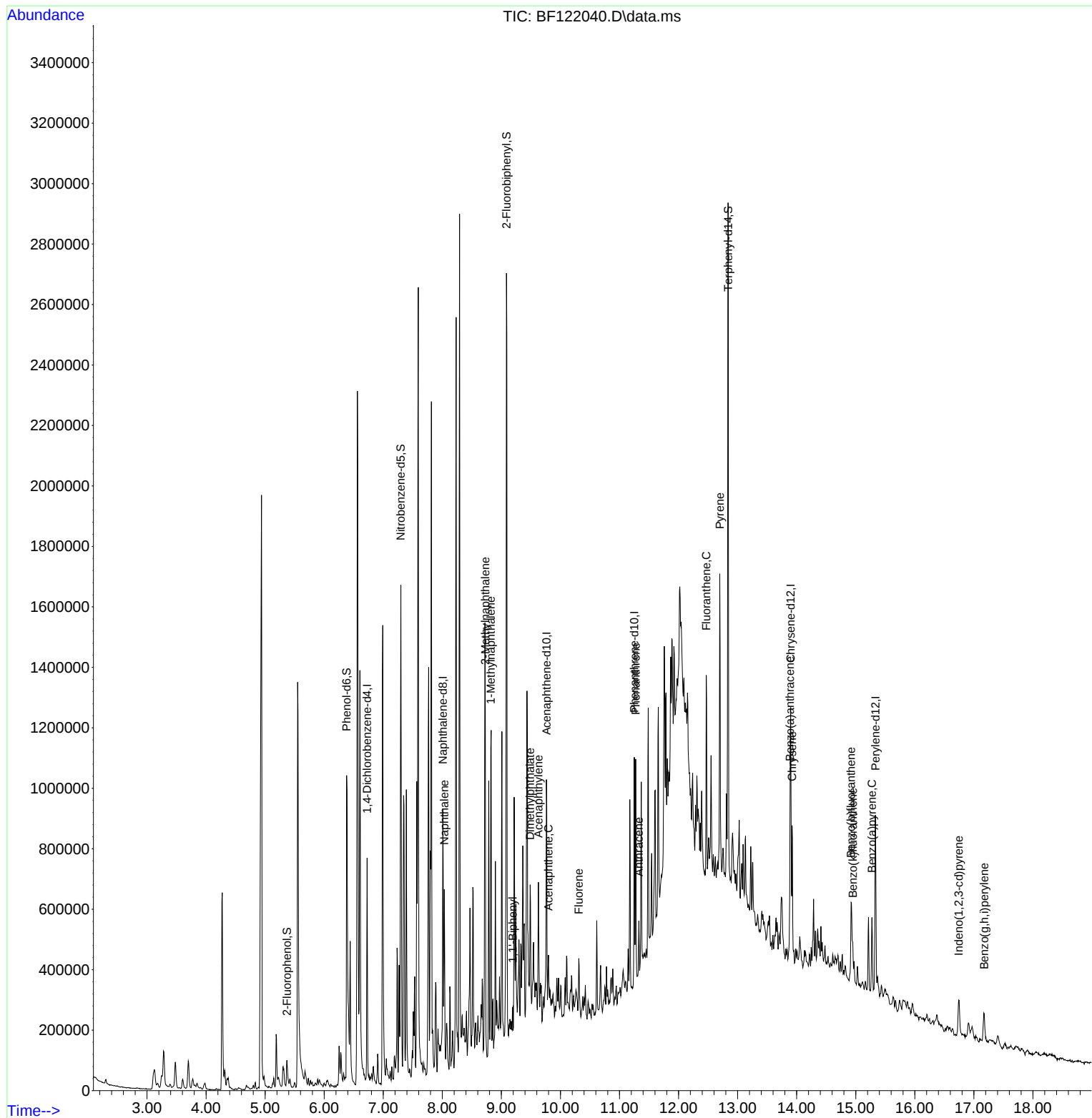
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
Data File : BF122040.D
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Operator : JU/CG
Sample : L4435-02
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ALS Vial : 18 Sample Multiplier: 1

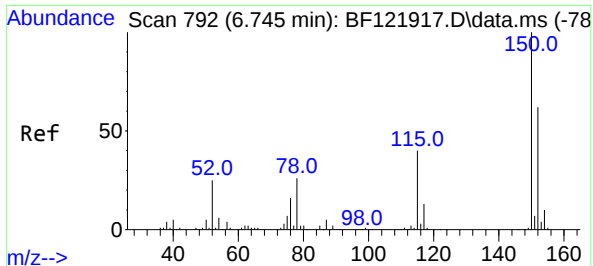
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ClientSampleId :
5412

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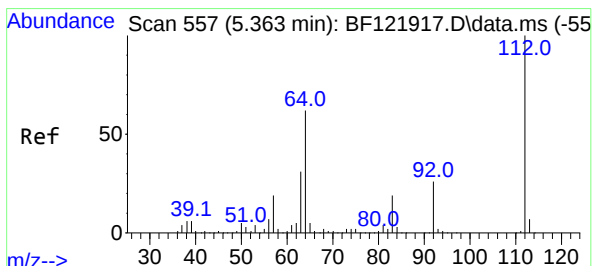
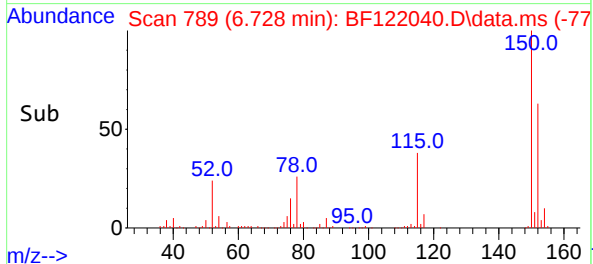
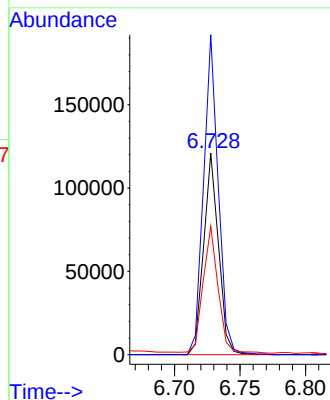
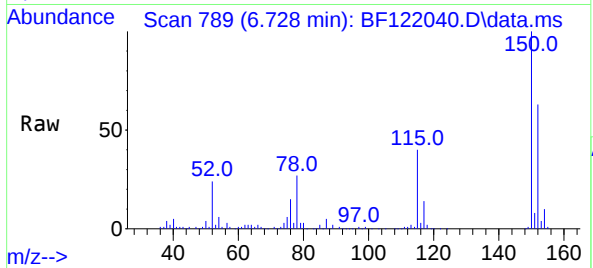
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.728 min Scan# 789
Delta R.T. -0.017 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42

Tgt Ion:152 Resp: 95585
Ion Ratio Lower Upper
152 100
150 158.7 125.3 187.9
115 63.7 51.9 77.9

Instrument :
BNA_F
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5412

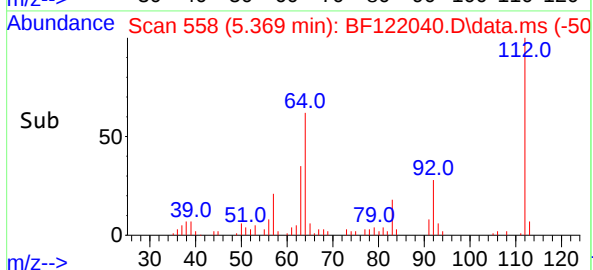
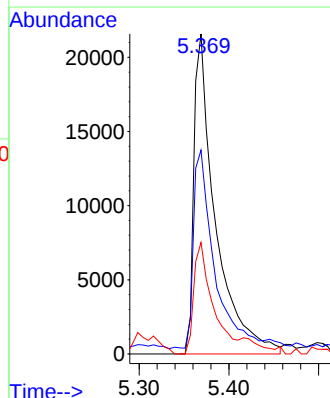
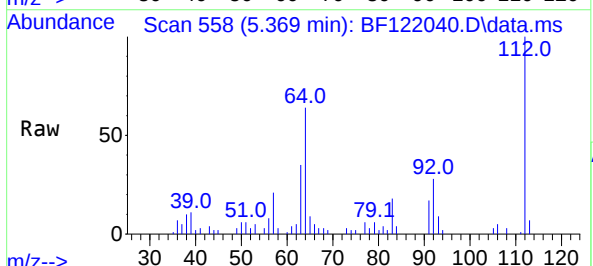
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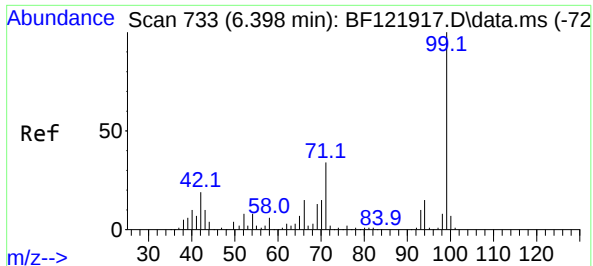
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#5
2-Fluorophenol
Concen: 5.54 ng
RT: 5.369 min Scan# 558
Delta R.T. 0.006 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42

Tgt Ion:112 Resp: 35879
Ion Ratio Lower Upper
112 100
64 63.7 50.4 75.6
63 34.8 25.8 38.6





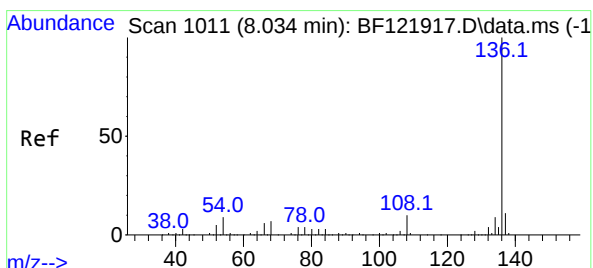
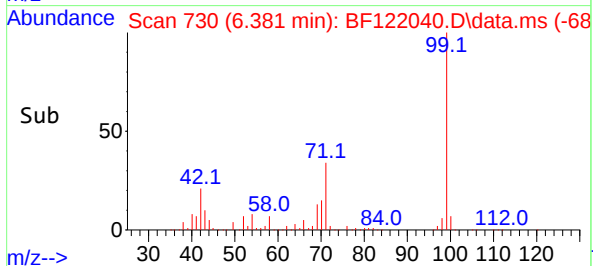
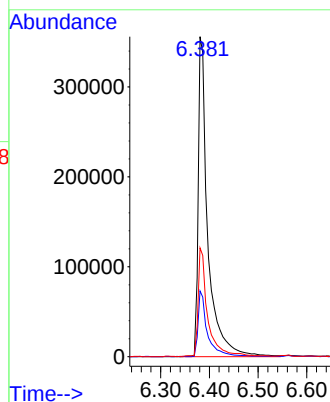
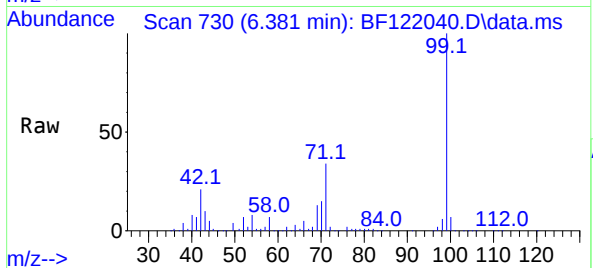
#7
Phenol-d6
Concen: 59.23 ng
RT: 6.381 min Scan# 730
Delta R.T. -0.012 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42

Tgt Ion: 99 Resp: 493827
Ion Ratio Lower Upper
99 100
42 20.6 15.9 23.9
71 34.0 27.1 40.7

Instrument :
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ClientSampled :
5412

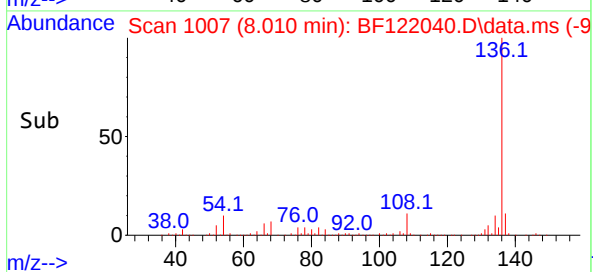
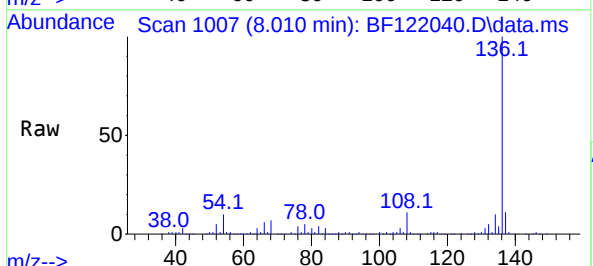
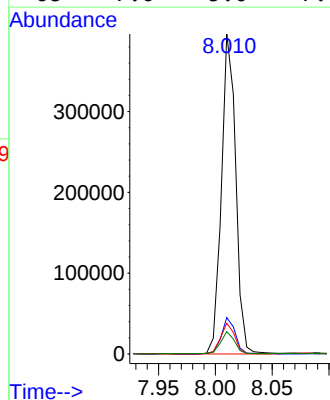
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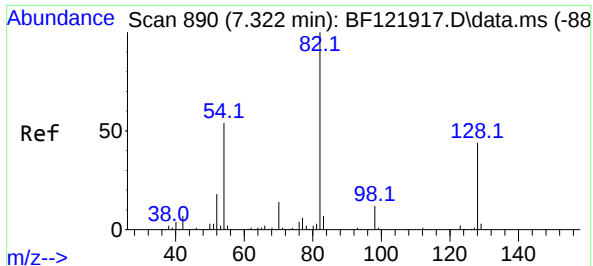
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.018 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42

Tgt Ion: 136 Resp: 347824
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 9.6 7.1 10.7
68 7.0 5.0 7.4





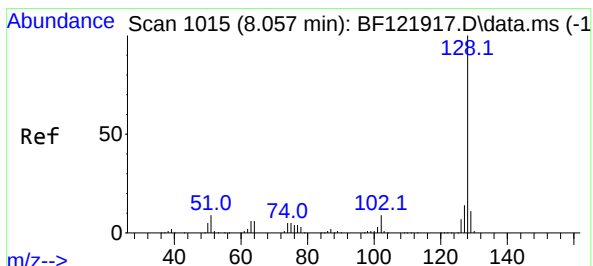
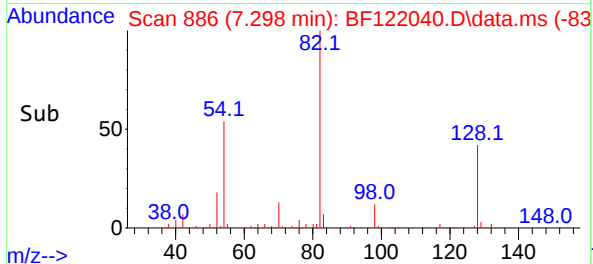
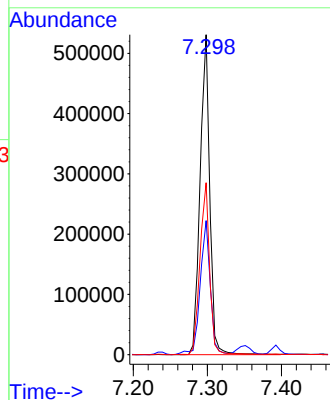
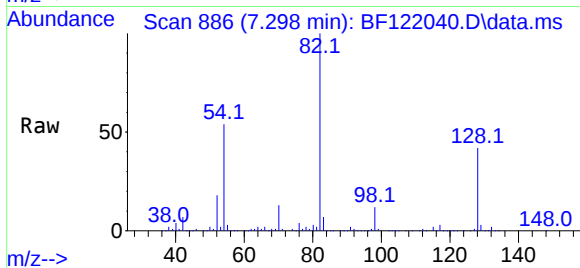
#23
Nitrobenzene-d5
Concen: 70.60 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.018 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42

Tgt Ion:	82	Resp:	478834
Ion	Ratio	Lower	Upper
82	100		
128	41.9	35.0	52.4
54	53.7	43.9	65.9

Instrument :
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5412

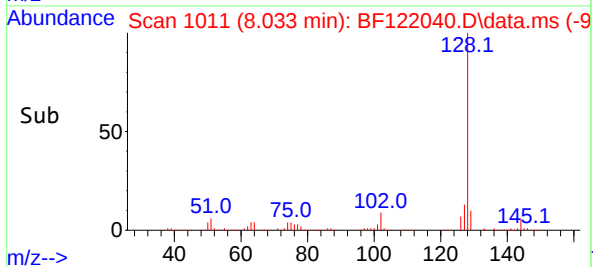
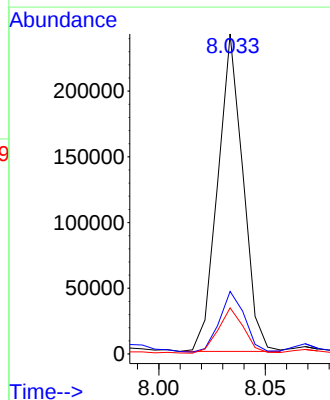
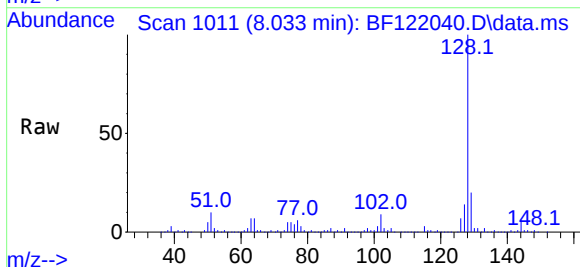
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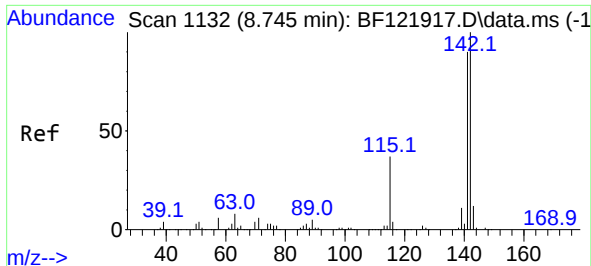
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#31
Naphthalene
Concen: 10.67 ng
RT: 8.033 min Scan# 1011
Delta R.T. -0.018 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42

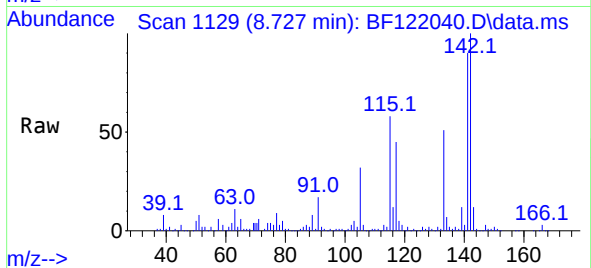
Tgt Ion:	128	Resp:	198867
Ion	Ratio	Lower	Upper
128	100		
129	19.6	8.7	13.1#
127	14.4	10.8	16.2





#37
2-Methylnaphthalene
Concen: 13.24 ng
RT: 8.727 min Scan# 1129
Delta R.T. -0.012 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42

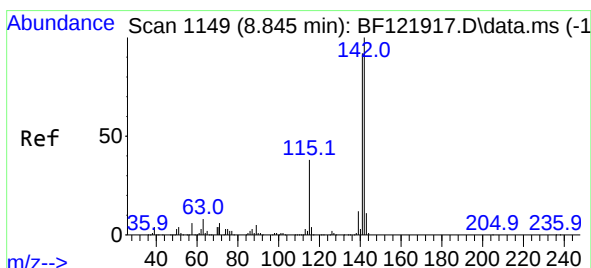
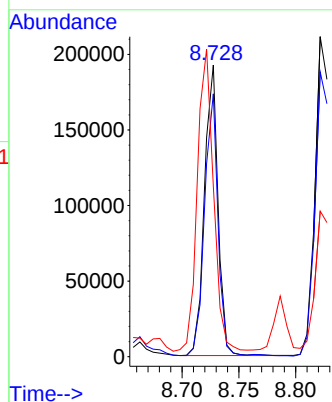
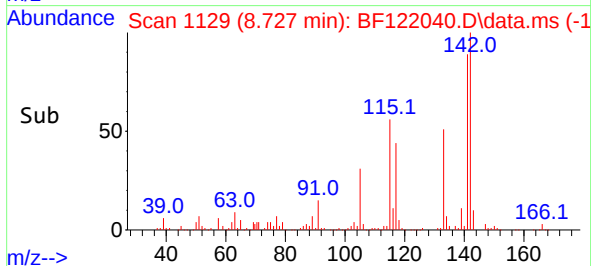
Instrument :
BNA_F
ClientSampled :
5412



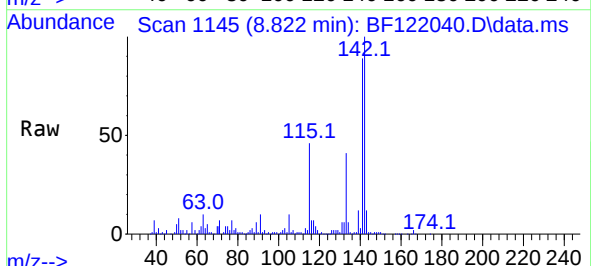
Tgt Ion:142 Resp: 159789
Ion Ratio Lower Upper
142 100
141 90.1 70.2 105.4
115 58.5 28.6 43.0#

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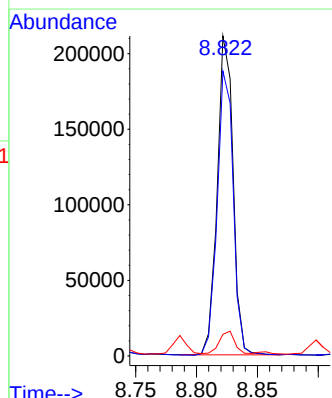
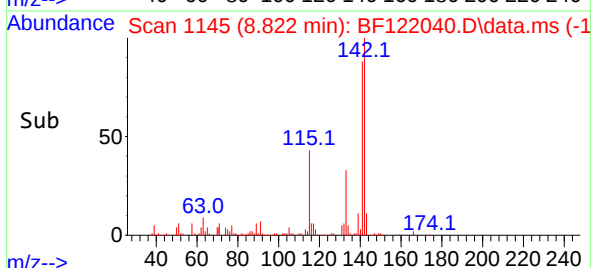
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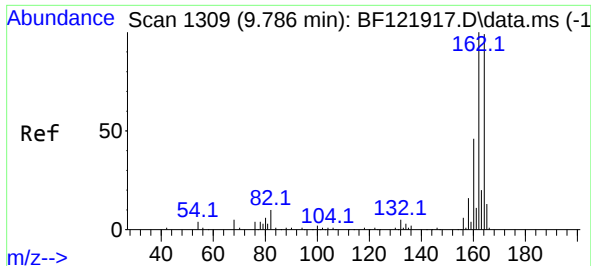


#38
1-Methylnaphthalene
Concen: 17.04 ng
RT: 8.822 min Scan# 1145
Delta R.T. -0.018 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42



Tgt Ion:142 Resp: 190409
Ion Ratio Lower Upper
142 100
141 89.0 74.5 111.7
116 6.8 3.2 4.8#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.763 min Scan# 1305

Delta R.T. -0.018 min

Lab File: BF122040.D

Acq: 20 Oct 2020 20:42

Tgt Ion:164 Resp: 171073

Ion Ratio Lower Upper

164 100

162 103.1 83.2 124.8

160 46.2 37.5 56.3

Instrument :

BNA_F

ClientSampled :

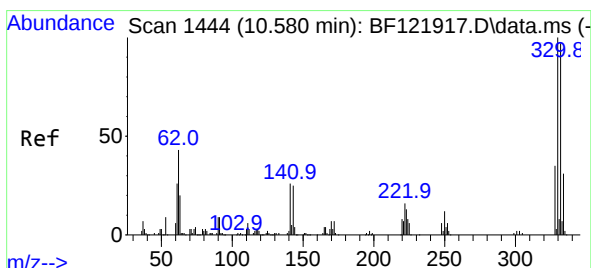
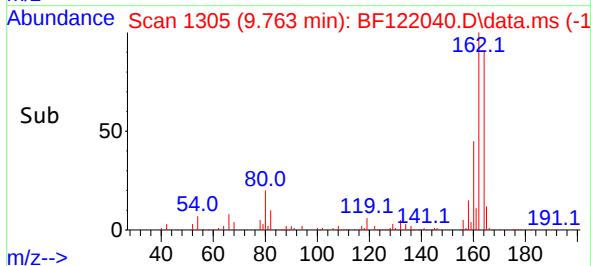
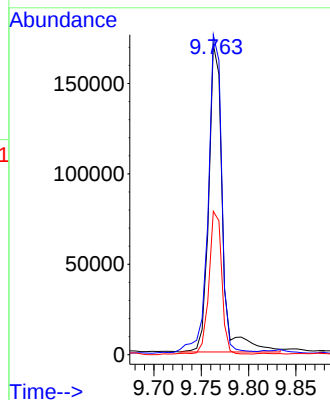
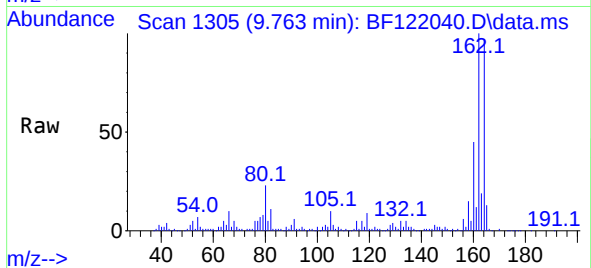
5412

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#42

2,4,6-Tribromophenol

Concen: 0.22 ng

RT: 10.563 min Scan# 1441

Delta R.T. -0.012 min

Lab File: BF122040.D

Acq: 20 Oct 2020 20:42

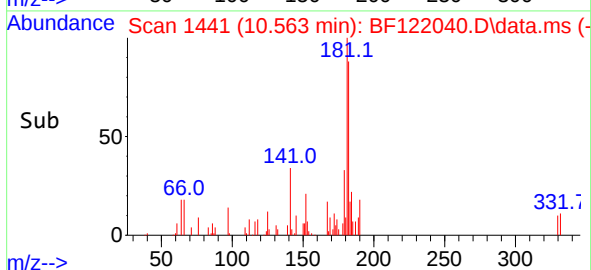
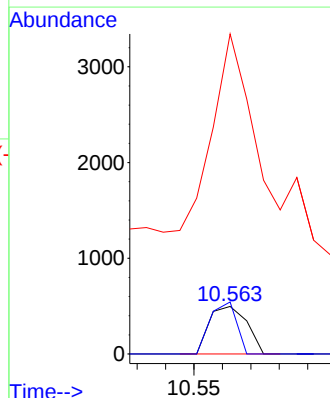
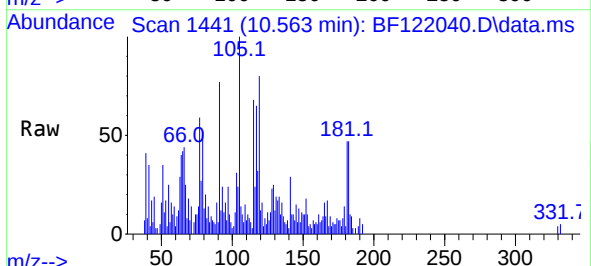
Tgt Ion:330 Resp: 455

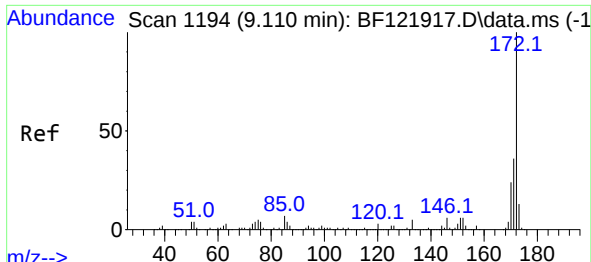
Ion Ratio Lower Upper

330 100

332 76.7 77.3 115.9#

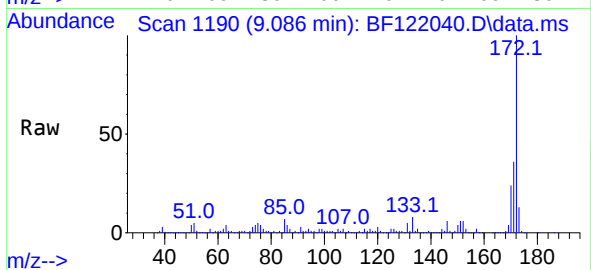
141 705.9 22.3 33.5#





#45
2-Fluorobiphenyl
Concen: 66.34 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.018 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42

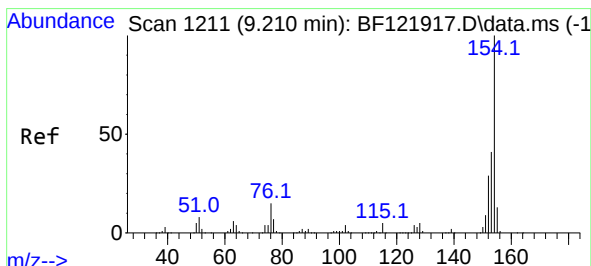
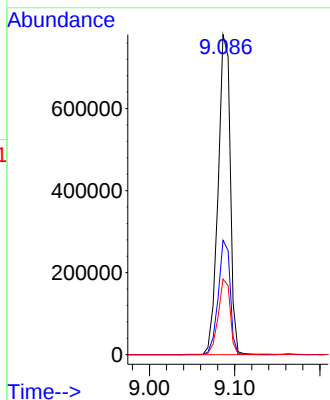
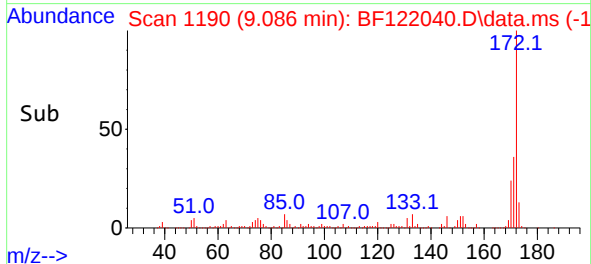
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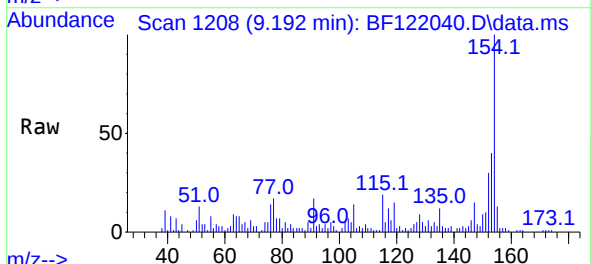
Tgt Ion:172 Resp: 771332
Ion Ratio Lower Upper
172 100
171 35.7 29.1 43.7
170 23.6 19.8 29.6

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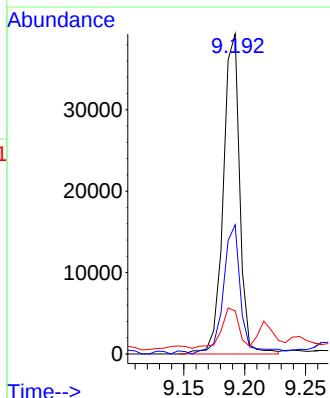
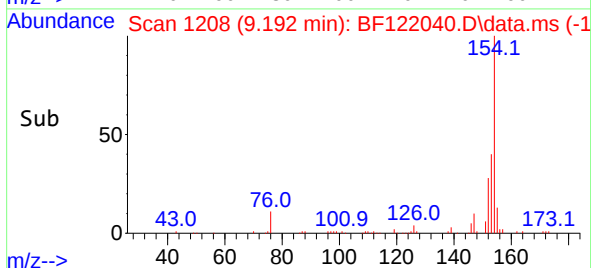
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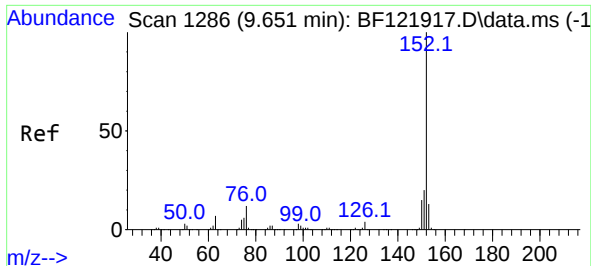


#46
1,1'-Biphenyl
Concen: 2.67 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42



Tgt Ion:154 Resp: 37170
Ion Ratio Lower Upper
154 100
153 40.4 21.3 61.3
76 13.5 0.0 34.7





#49

Acenaphthylene

Concen: 7.36 ng

RT: 9.627 min Scan# 1282

Delta R.T. -0.018 min

Lab File: BF122040.D

Acq: 20 Oct 2020 20:42

Tgt Ion:	152	Resp:	122338
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.4	24.6
153	15.2	10.6	15.8

Instrument :

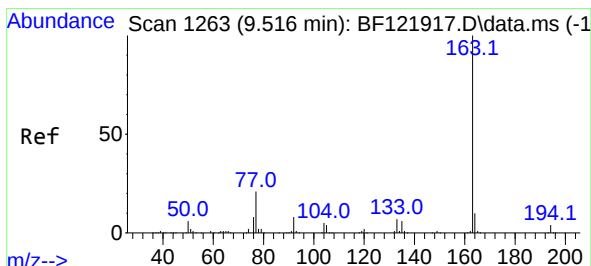
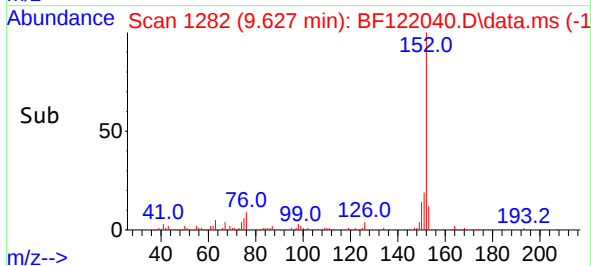
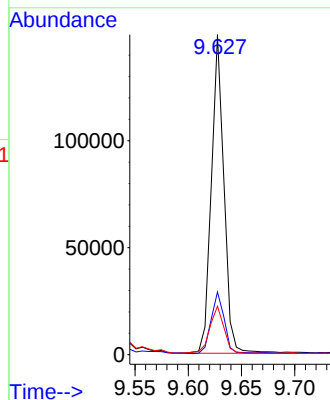
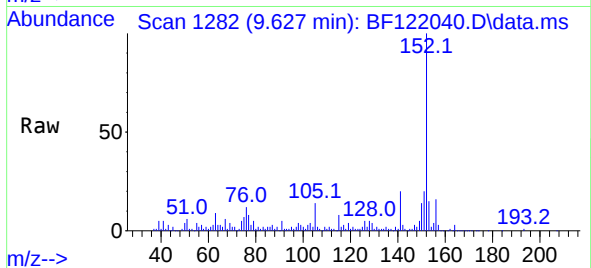
BNA_F

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5412

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#50

Dimethylphthalate

Concen: 6.89 ng

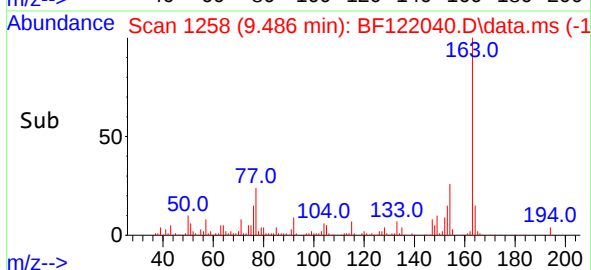
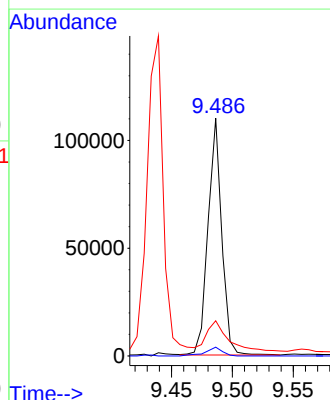
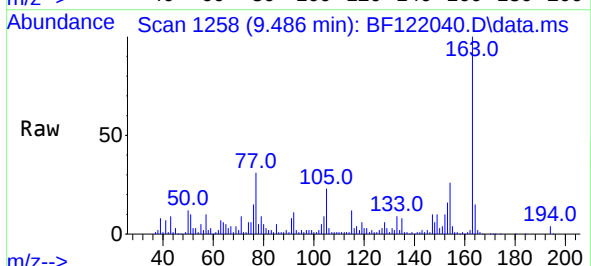
RT: 9.486 min Scan# 1258

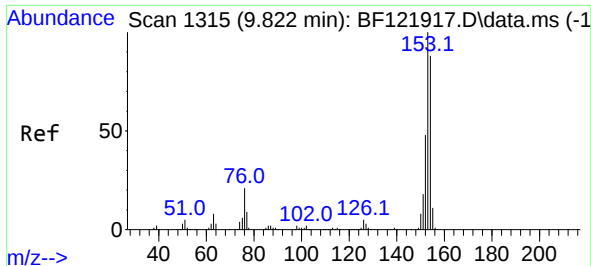
Delta R.T. -0.018 min

Lab File: BF122040.D

Acq: 20 Oct 2020 20:42

Tgt Ion:	163	Resp:	86156
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.3	4.9
164	14.8	8.2	12.4





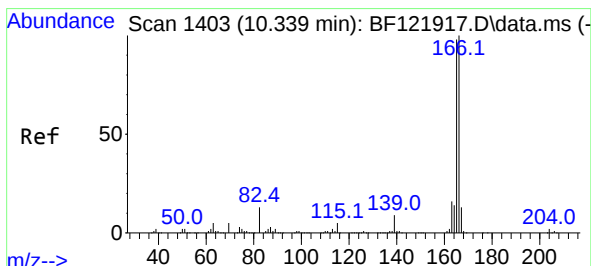
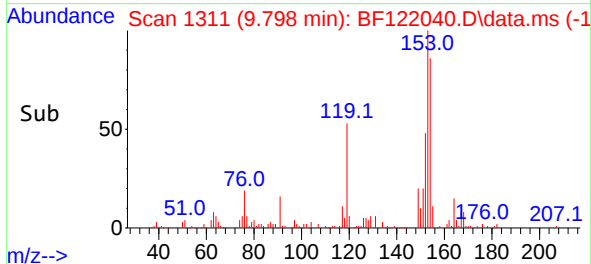
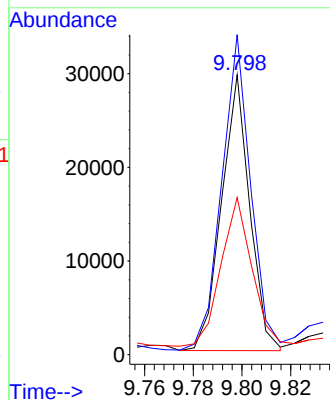
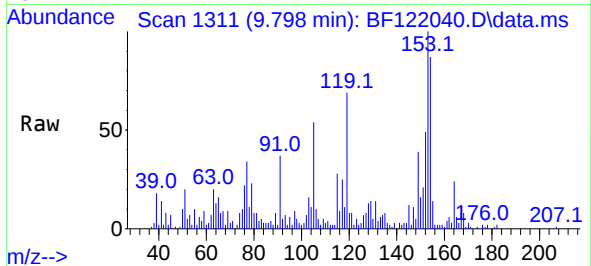
#52
Acenaphthene
Concen: 2.39 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.018 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42

Tgt Ion:	154	Resp:	23595
Ion Ratio	Lower	Upper	
154	100		
153	114.3	89.8	134.8
152	56.2	43.2	64.8

Instrument :
BNA_F
ClientSampled :
5412

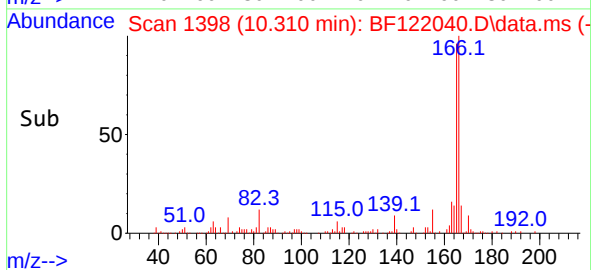
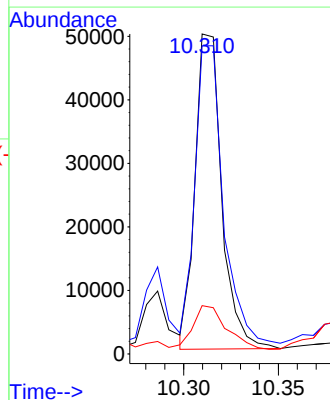
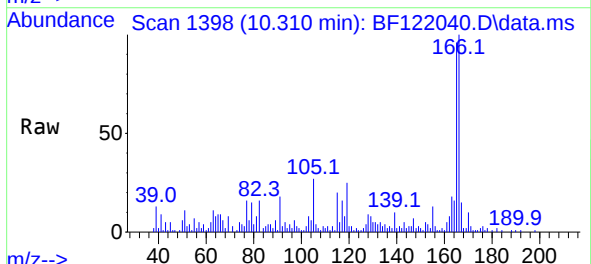
Manual Integrations
APPROVED

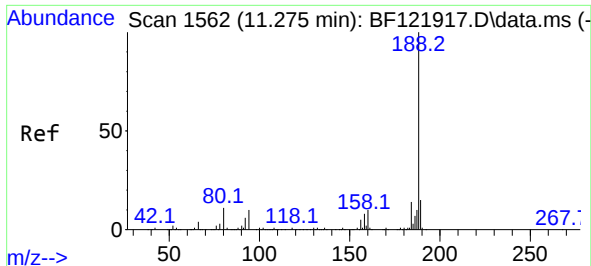
mohammad
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#58
Fluorene
Concen: 4.18 ng
RT: 10.310 min Scan# 1398
Delta R.T. -0.018 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42

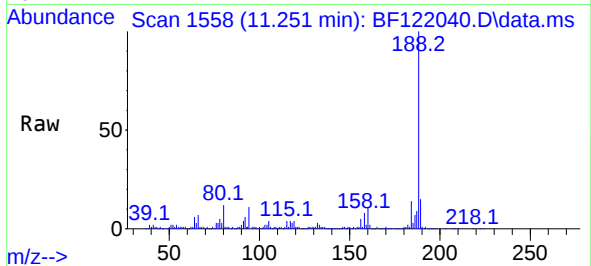
Tgt Ion:	166	Resp:	48641
Ion Ratio	Lower	Upper	
166	100		
165	96.3	79.1	118.7
167	15.1	11.0	16.6





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.251 min Scan# 1558
Delta R.T. -0.012 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42

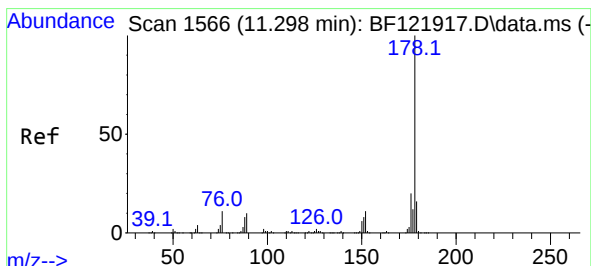
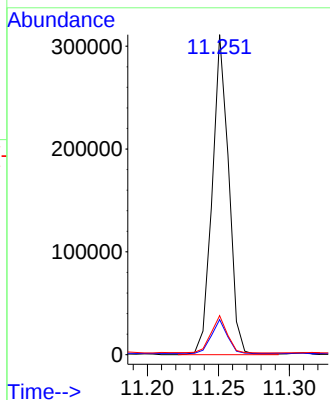
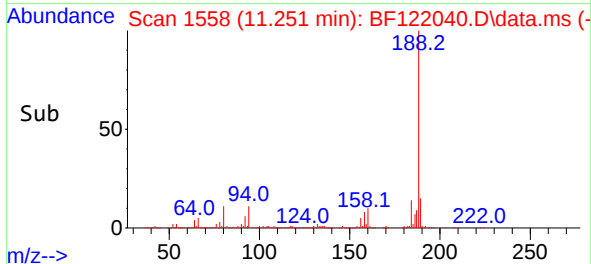
Instrument :
BNA_F
ClientSampled :
5412



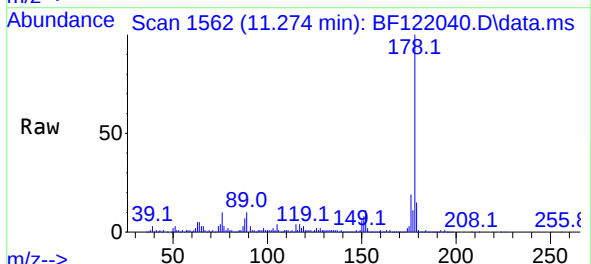
Tgt Ion:188 Resp: 251376
Ion Ratio Lower Upper
188 100
94 11.0 8.3 12.5
80 12.2 9.1 13.7

Manual Integrations
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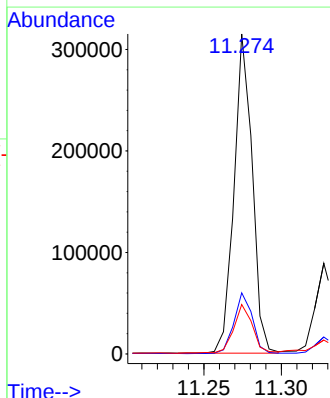
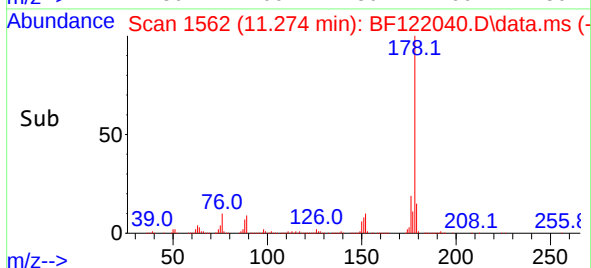
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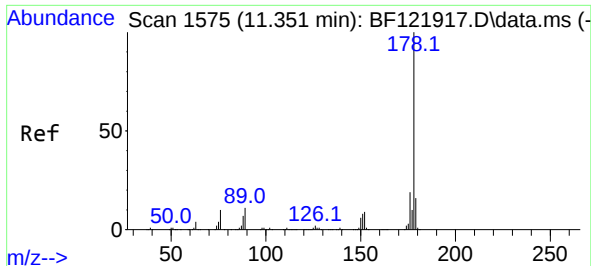


#71
Phenanthrene
Concen: 18.60 ng
RT: 11.274 min Scan# 1562
Delta R.T. -0.018 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42

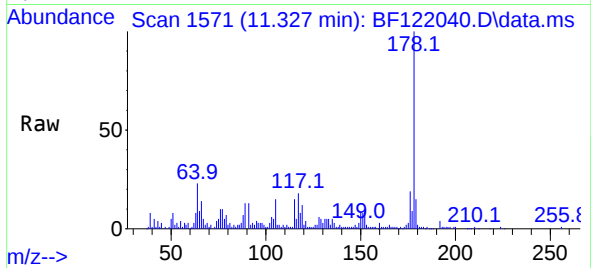


Tgt Ion:178 Resp: 256372
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.5 12.2 18.4

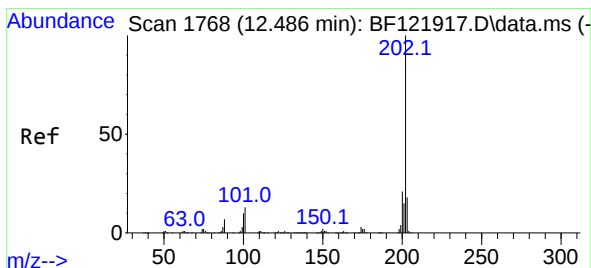
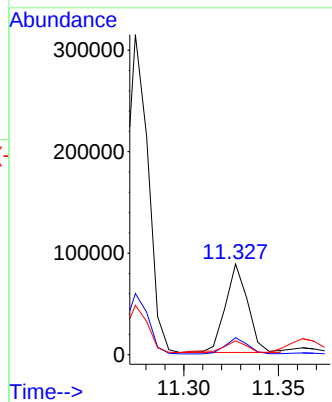
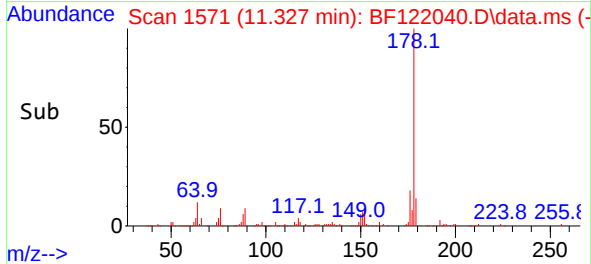




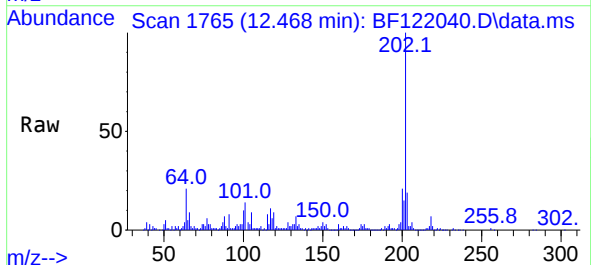
#72
 Anthracene
 Concen: 5.00 ng
 RT: 11.327 min Scan# 1571
 Delta R.T. -0.018 min
 Lab File: BF122040.D
 Acq: 20 Oct 2020 20:42



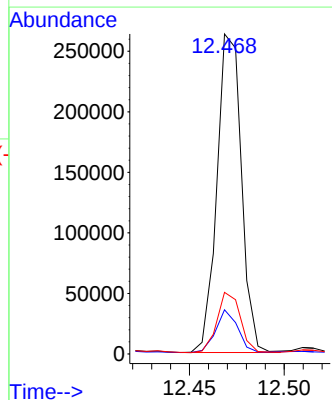
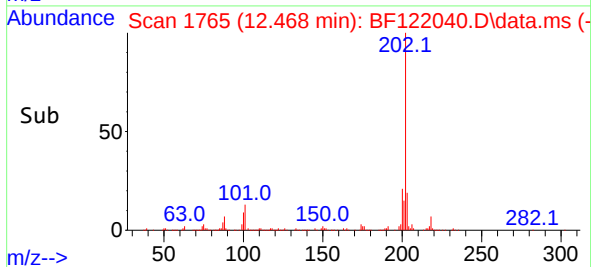
Tgt Ion:178 Resp: 71532
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.7 23.5
 179 15.4 12.7 19.1



#75
 Fluoranthene
 Concen: 16.04 ng
 RT: 12.468 min Scan# 1765
 Delta R.T. -0.012 min
 Lab File: BF122040.D
 Acq: 20 Oct 2020 20:42



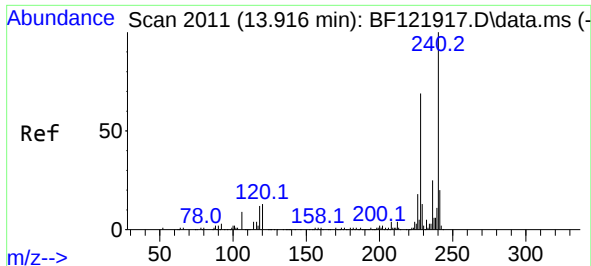
Tgt Ion:202 Resp: 237010
 Ion Ratio Lower Upper
 202 100
 101 13.8 0.0 33.4
 203 19.2 0.0 37.9



Instrument :
 BNA_F
 ClientSampled :
 5412

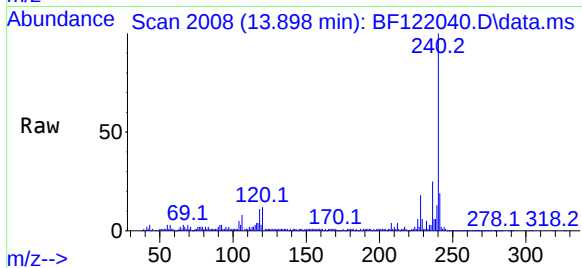
Manual Integrations
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42

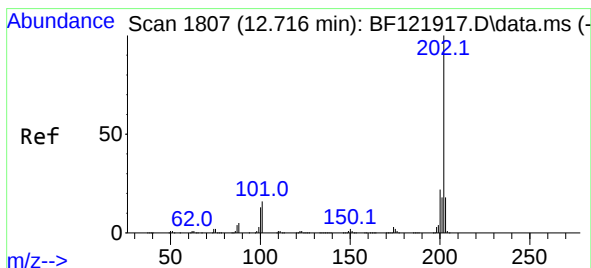
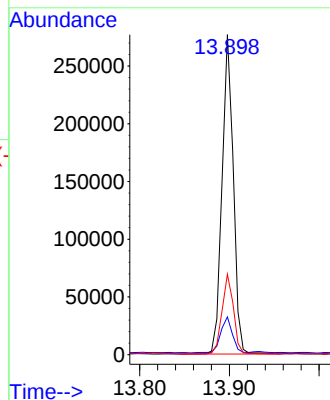
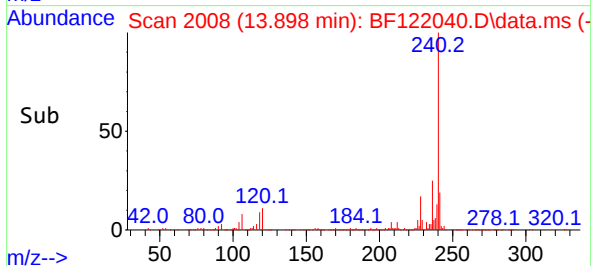
Instrument :
BNA_F
ClientSampled :
5412



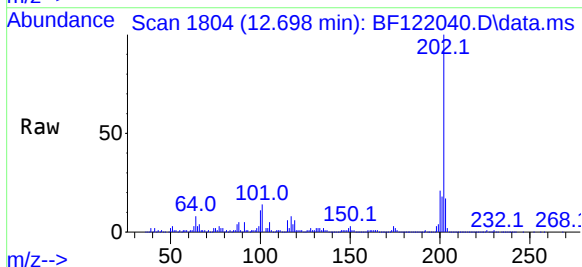
Tgt Ion:240 Resp: 241092
Ion Ratio Lower Upper
240 100
120 11.8 9.2 13.8
236 25.1 20.9 31.3

Manual Integrations
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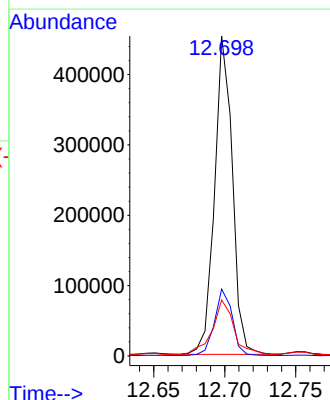
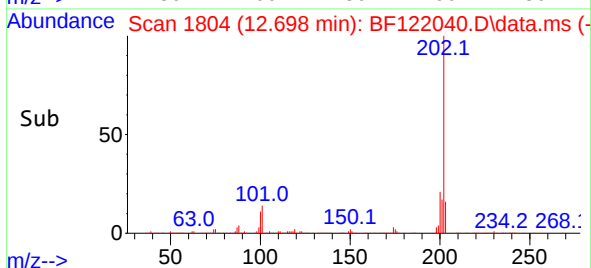
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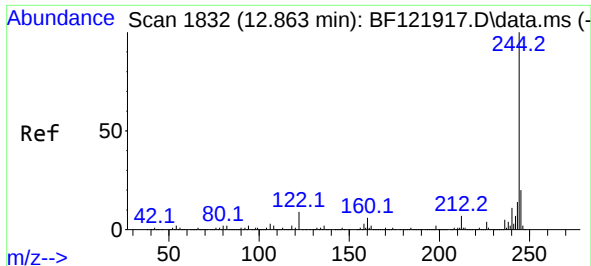


#78
Pyrene
Concen: 21.41 ng
RT: 12.698 min Scan# 1804
Delta R.T. -0.012 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42

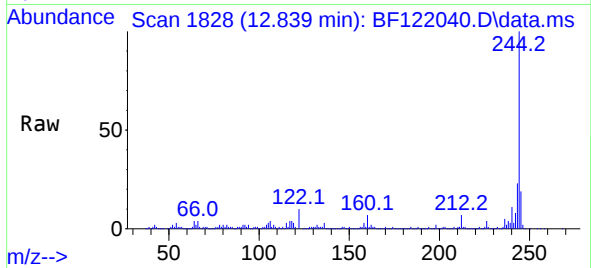


Tgt Ion:202 Resp: 393441
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 17.5 14.6 21.8

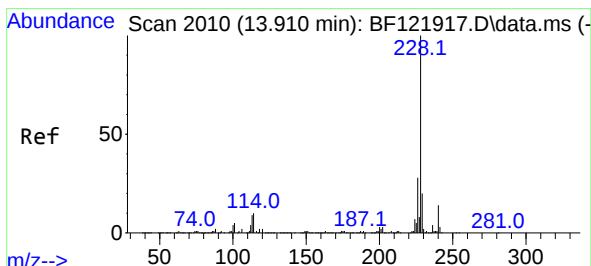
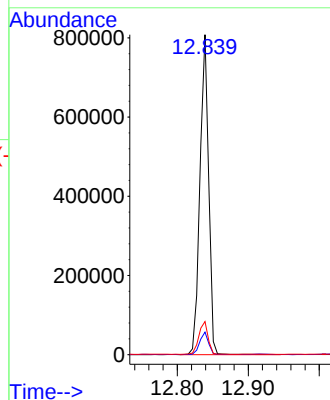
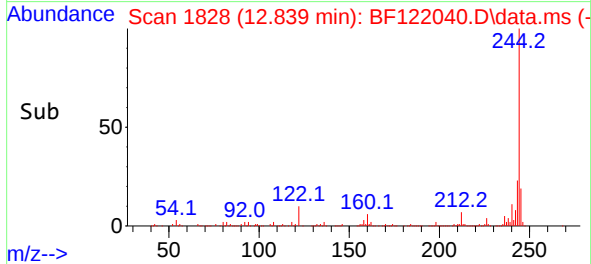




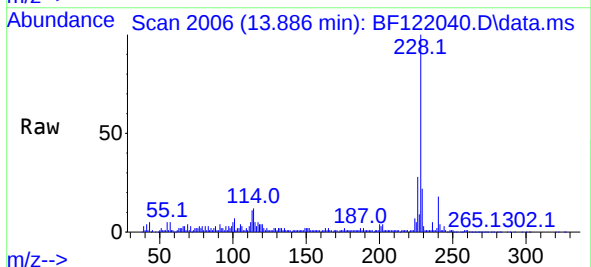
#79
Terphenyl-d14
Concen: 54.49 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.012 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42



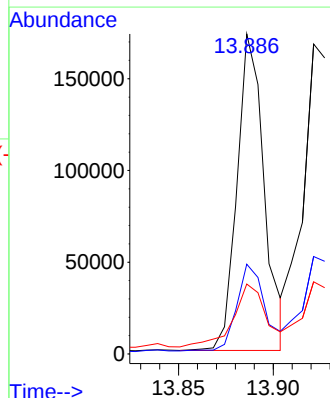
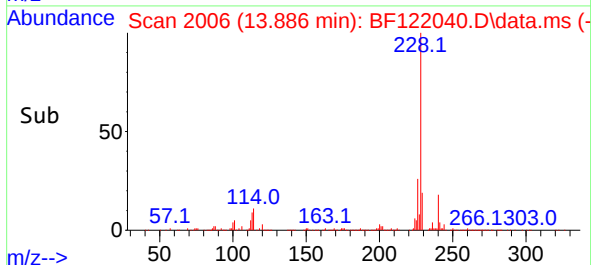
Tgt Ion:244 Resp: 689312
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.2
122 10.3 8.1 12.1



#81
Benzo(a)anthracene
Concen: 10.88 ng
RT: 13.886 min Scan# 2006
Delta R.T. -0.012 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42



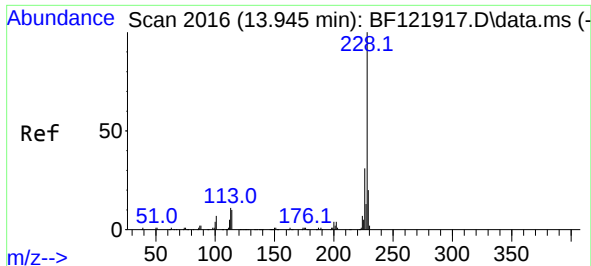
Tgt Ion:228 Resp: 171827
Ion Ratio Lower Upper
228 100
226 28.1 22.3 33.5
229 21.9 16.2 24.4



Instrument :
BNA_F
ClientSampled :
5412

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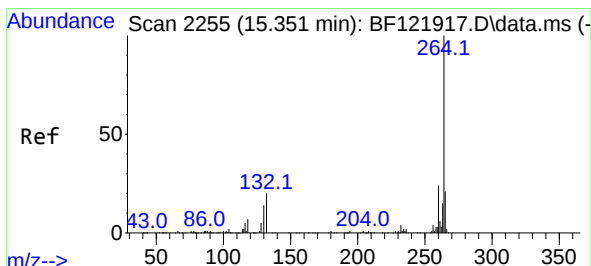
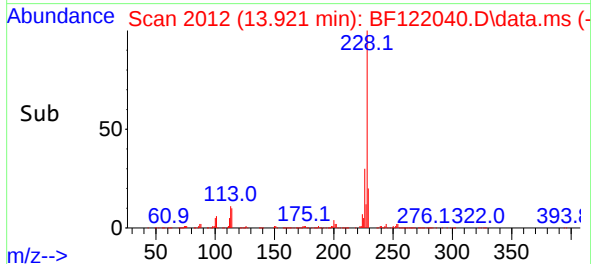
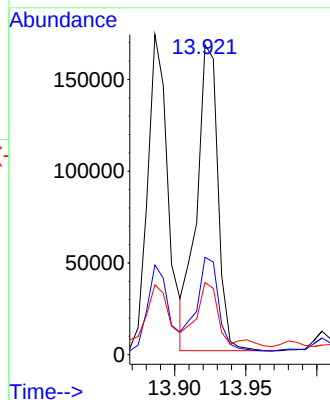
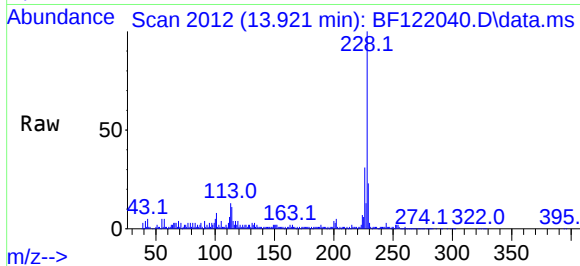
#83
Chrysene
Concen: 11.22 ng
RT: 13.921 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42

Tgt Ion:	228	Resp:	174019
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.6	37.0
229	23.3	15.9	23.9

Instrument :
BNA_F
ClientSampled :
5412

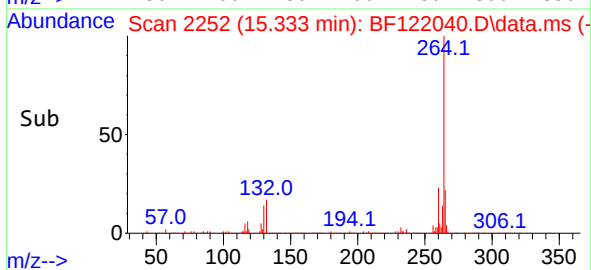
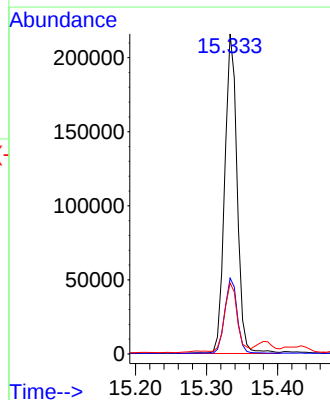
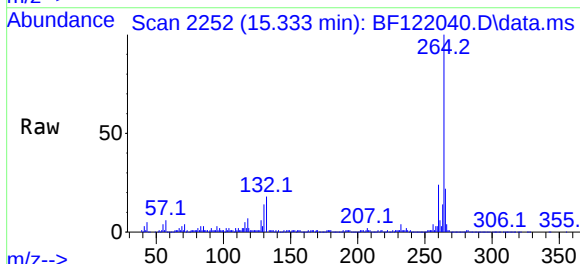
Manual Integrations
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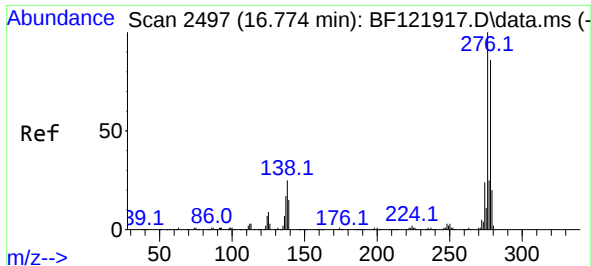
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.333 min Scan# 2252
Delta R.T. -0.006 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42

Tgt Ion:	264	Resp:	260347
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.7	28.1
265	22.2	17.3	25.9





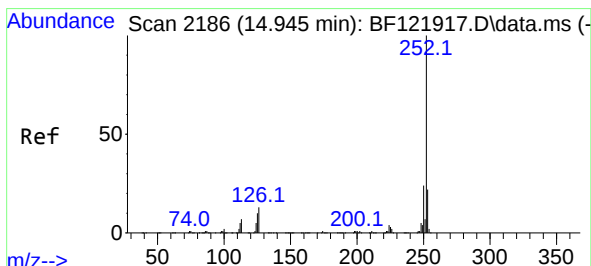
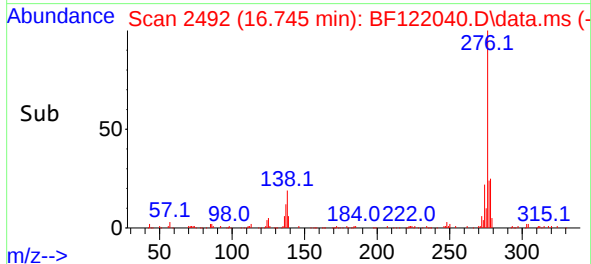
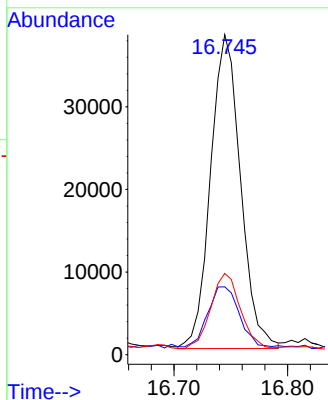
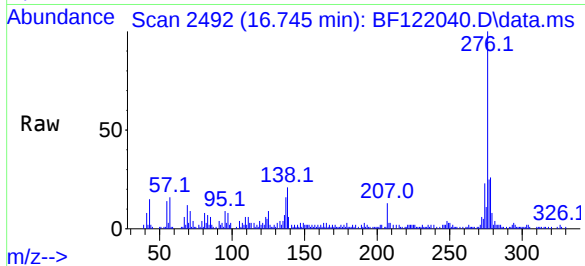
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.12 ng
RT: 16.745 min Scan# 2492
Delta R.T. -0.018 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42

Tgt Ion:	276	Resp:	69720
Ion Ratio	Lower	Upper	
276	100		
138	20.0	19.9	29.9
277	24.3	20.4	30.6

Instrument :
BNA_F
ClientSampled :
5412

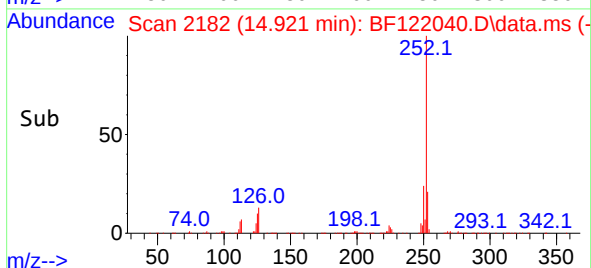
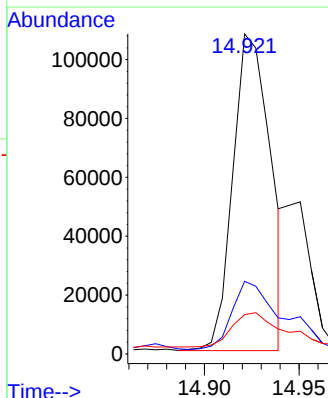
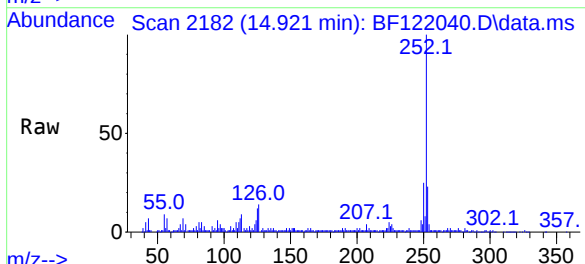
Manual Integrations
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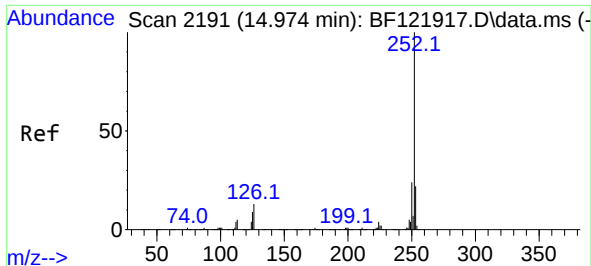
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#88
Benzo(b)fluoranthene
Concen: 8.43 ng m
RT: 14.921 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BF122040.D
Acq: 20 Oct 2020 20:42

Tgt Ion:	252	Resp:	148319
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.2	27.2
125	12.3	8.0	12.0#





#89

Benzo(k)fluoranthene

Concen: 2.87 ng m

RT: 14.951 min Scan# 2187

Delta R.T. -0.012 min

Lab File: BF122040.D

Acq: 20 Oct 2020 20:42

Tgt Ion:	252	Resp:	47927
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.8	26.6
125	14.9	7.7	11.5#

Instrument :

BNA_F

ClientSampled :

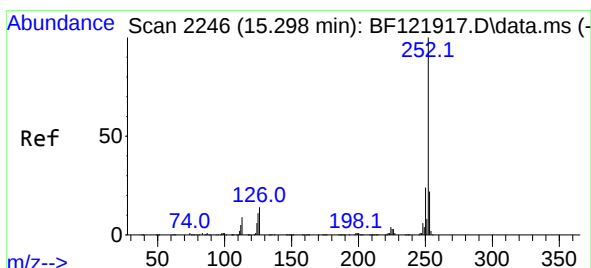
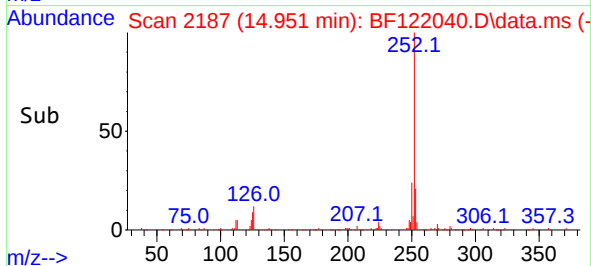
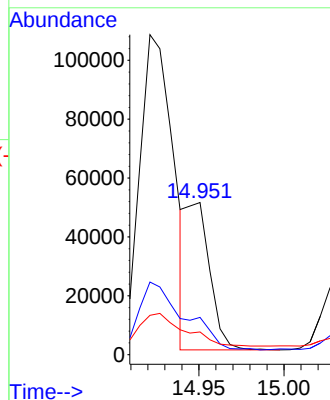
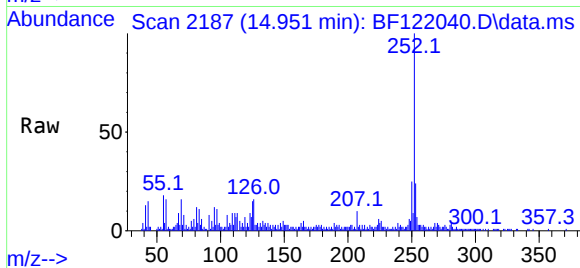
5412

Manual Integrations

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#90

Benzo(a)pyrene

Concen: 7.76 ng

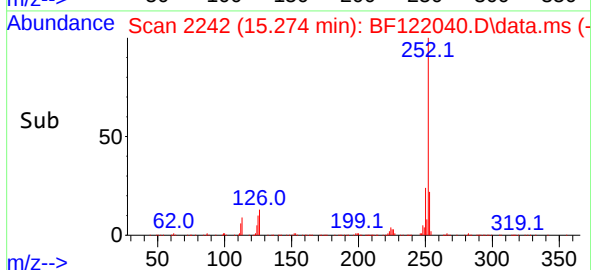
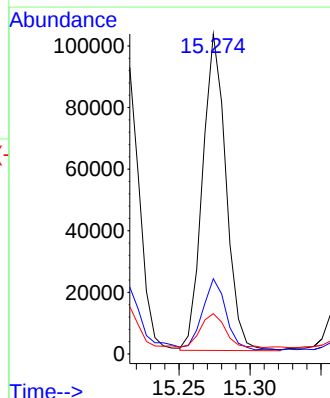
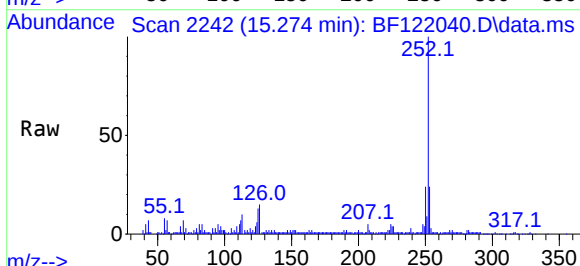
RT: 15.274 min Scan# 2242

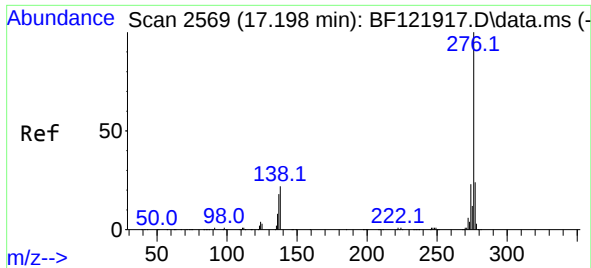
Delta R.T. -0.012 min

Lab File: BF122040.D

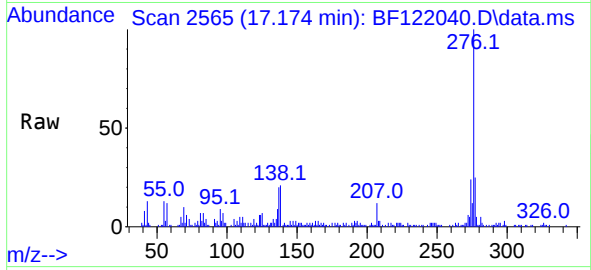
Acq: 20 Oct 2020 20:42

Tgt Ion:	252	Resp:	118015
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.3	25.9
125	12.6	8.6	13.0

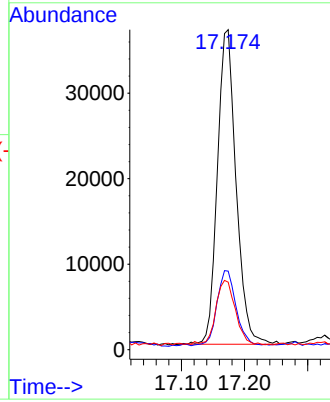
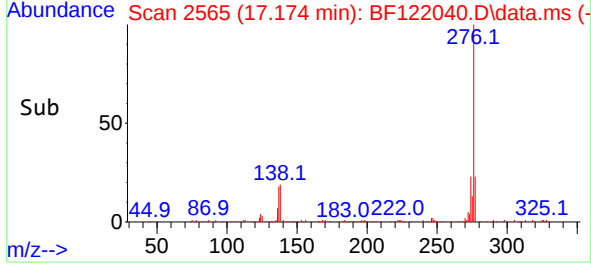




#92
 Benzo(g,h,i)perylene
 Concen: 5.44 ng
 RT: 17.174 min Scan# 2565
 Delta R.T. -0.012 min
 Lab File: BF122040.D
 Acq: 20 Oct 2020 20:42



Tgt Ion:	276	Resp:	75735
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.4	29.2
138	21.1	17.8	26.6



Instrument :
 BNA_F
 ClientSampleId :
 5412

Manual Integrations
 APPROVED

mohammad
 10/21/2020 12:50:19 PM