

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102220\
 Data File : BF122092.D
 Acq On : 22 Oct 2020 19:34
 Operator : JU/CG
 Sample : L4480-02 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IS-SOIL-PILE

Manual Integrations
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Quant Time: Oct 23 00:48:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 12:04:42 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	99157	20.00	ng	0.00
21) Naphthalene-d8	8.010	136	375227	20.00	ng	0.00
39) Acenaphthene-d10	9.763	164	177270	20.00	ng	0.00
64) Phenanthrene-d10	11.245	188	271895	20.00	ng	0.00
76) Chrysene-d12	13.886	240	240422	20.00	ng	0.00
86) Perylene-d12	15.321	264	246700	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	260513	38.78	ng	0.00
7) Phenol-d6	6.381	99	317992	36.77	ng	0.00
23) Nitrobenzene-d5	7.292	82	212013	28.98	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	65983	30.09	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	387187	32.14	ng	0.00
79) Terphenyl-d14	12.827	244	290680	23.04	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.486	163	54433	4.20	ng	100
71) Phenanthrene	11.269	178	150072	10.07	ng	99
72) Anthracene	11.327	178	36962	2.39	ng	99
75) Fluoranthene	12.457	202	243605	15.24	ng	100
78) Pyrene	12.692	202	203994	11.13	ng	98
81) Benzo(a)anthracene	13.880	228	111478	7.08	ng	100
83) Chrysene	13.915	228	107784	6.97	ng	98
87) Indeno(1,2,3-cd)pyrene	16.739	276	46214	2.89	ng	96
88) Benzo(b)fluoranthene	14.915	252	134122m	8.04	ng	
89) Benzo(k)fluoranthene	14.939	252	34380m	2.17	ng	
90) Benzo(a)pyrene	15.268	252	81063	5.63	ng	96
92) Benzo(g,h,i)perylene	17.162	276	40783	3.09	ng	99

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

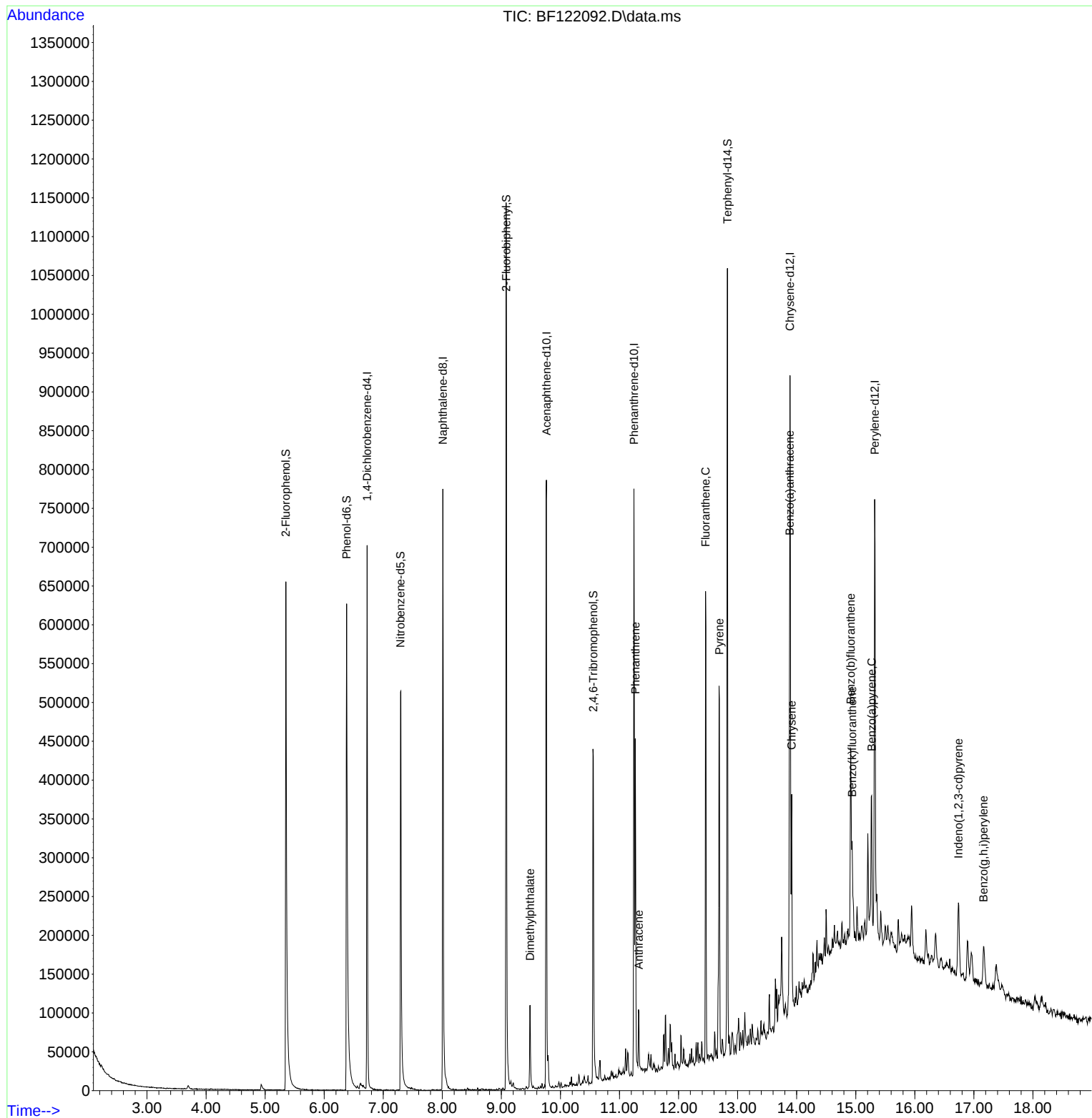
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Data File : BF122092.D
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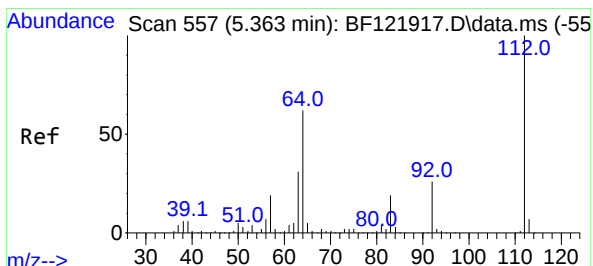
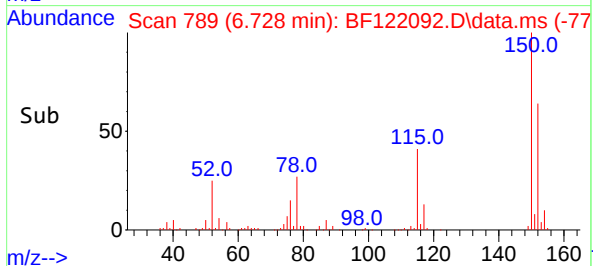
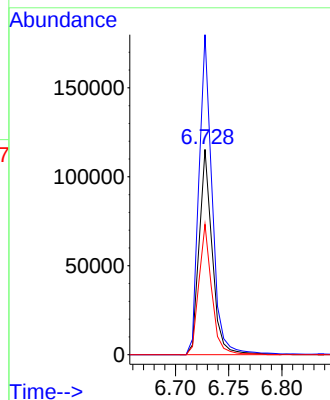
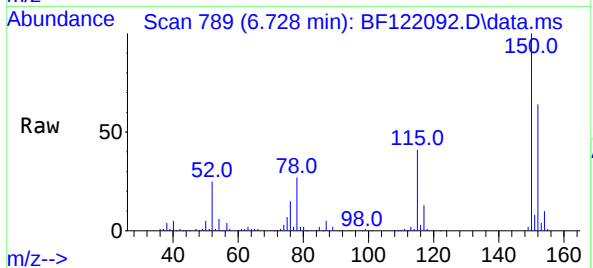
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1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.728 min Scan# 789
Delta R.T. -0.000 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34

Tgt Ion:152 Resp: 99157
Ion Ratio Lower Upper
152 100
150 155.8 125.3 187.9
115 63.5 51.9 77.9

Instrument :
BNA_F
ClientSampleId :
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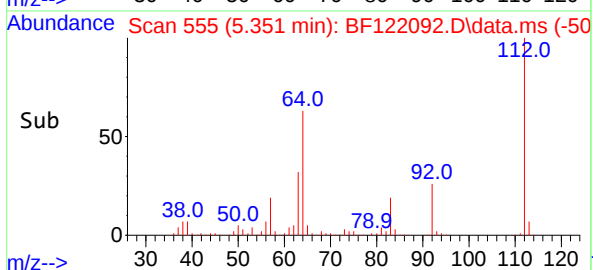
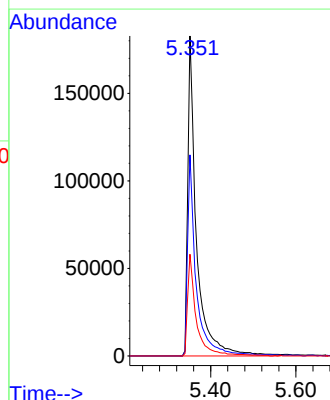
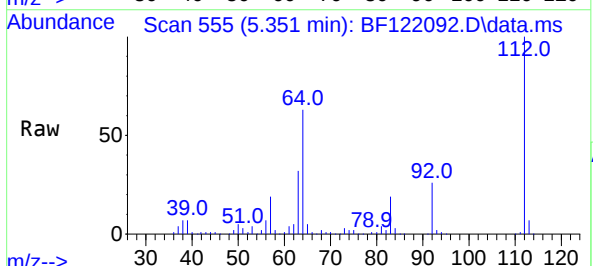
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#5
2-Fluorophenol
Concen: 38.78 ng
RT: 5.351 min Scan# 555
Delta R.T. 0.006 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34

Tgt Ion:112 Resp: 260513
Ion Ratio Lower Upper
112 100
64 62.9 50.4 75.6
63 31.8 25.8 38.6





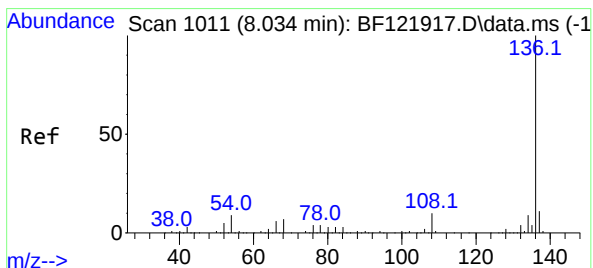
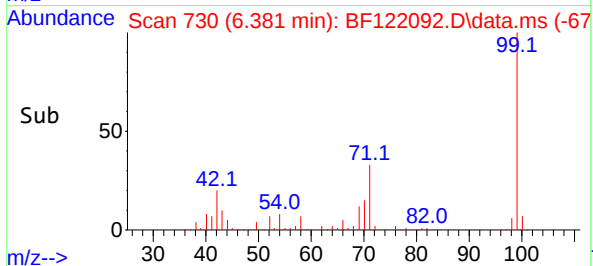
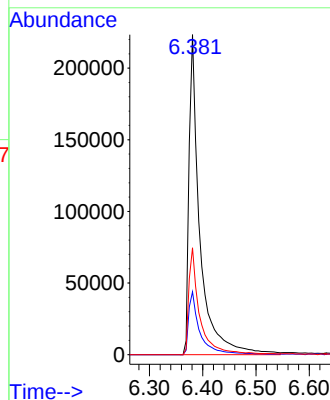
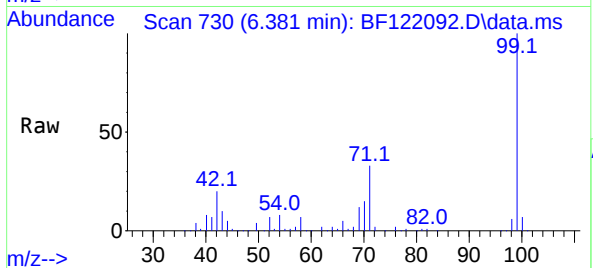
#7
Phenol-d6
Concen: 36.77 ng
RT: 6.381 min Scan# 730
Delta R.T. -0.000 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34

Tgt Ion:	99	Resp:	317992
Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.9	23.9
71	33.4	27.1	40.7

Instrument :
BNA_F
ClientSampleId :
IS-SOIL-PILE

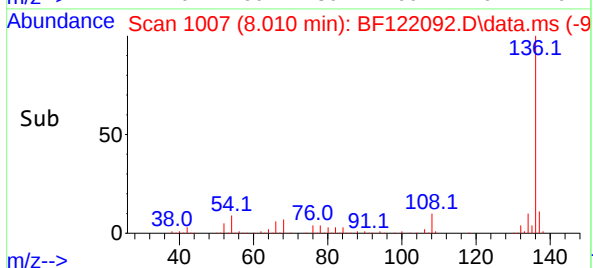
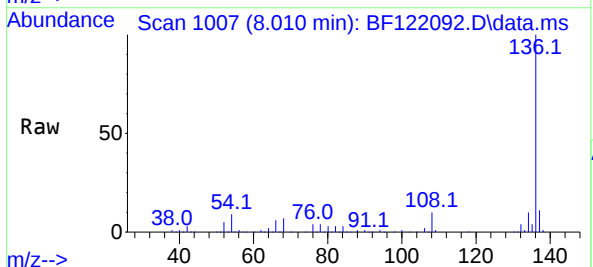
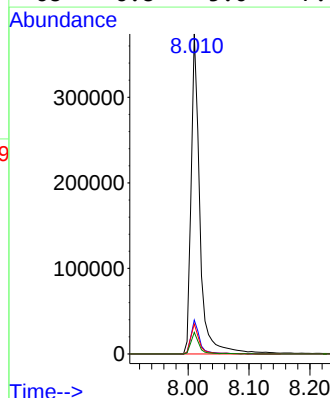
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34

Tgt Ion:	136	Resp:	375227
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	9.4	7.1	10.7
68	6.8	5.0	7.4





#23
Nitrobenzene-d5
Concen: 28.98 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34

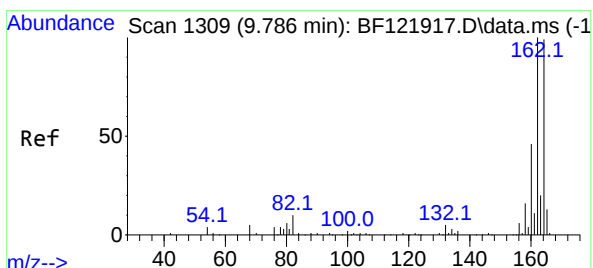
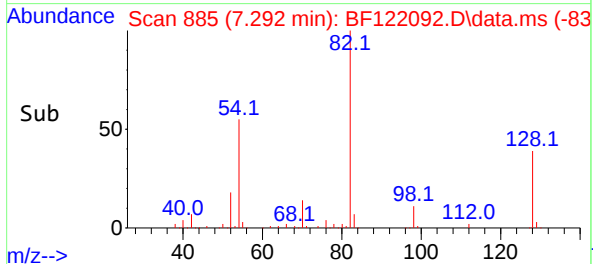
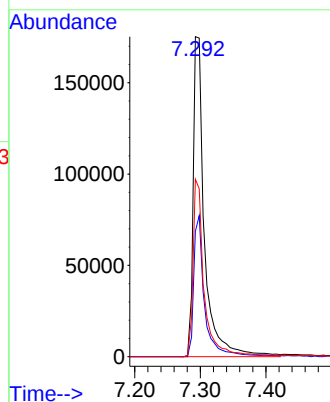
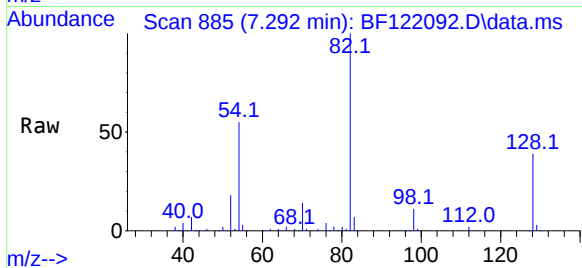
Tgt Ion: 82 Resp: 212013

Ion	Ratio	Lower	Upper
82	100		
128	39.2	35.0	52.4
54	55.4	43.9	65.9

Instrument :
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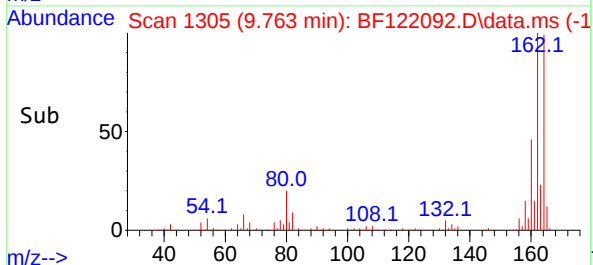
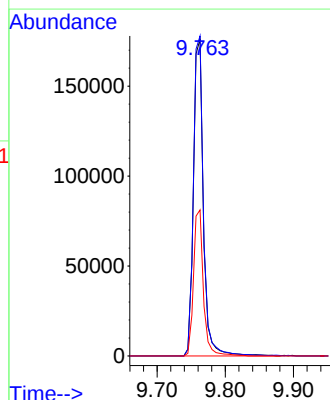
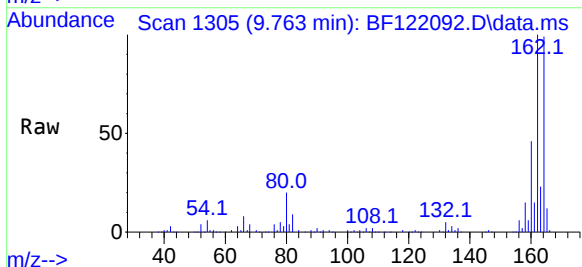
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34

Tgt Ion:164 Resp: 177270

Ion	Ratio	Lower	Upper
164	100		
162	101.1	83.2	124.8
160	46.1	37.5	56.3





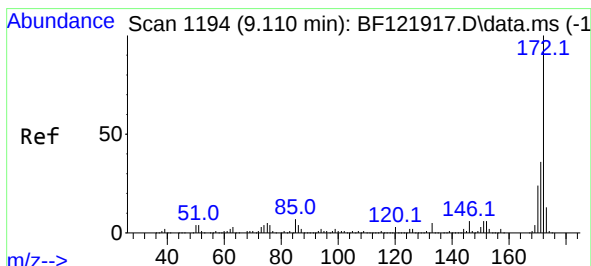
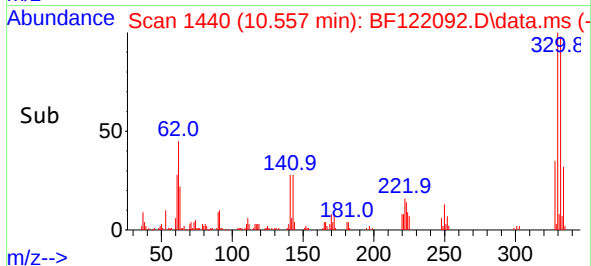
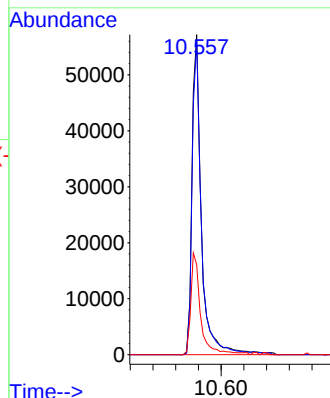
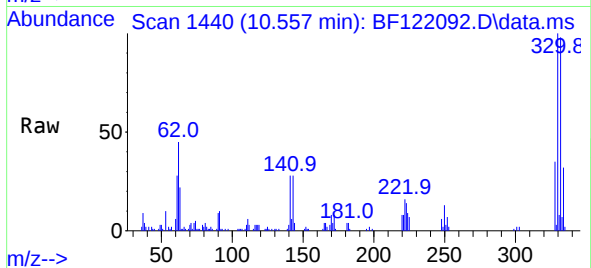
#42
2,4,6-Tribromophenol
Concen: 30.09 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34

Tgt Ion: 330 Resp: 65983
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 33.1 22.3 33.5

Instrument :
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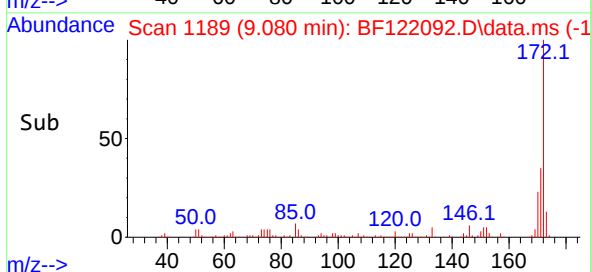
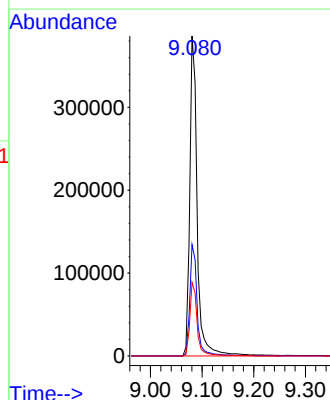
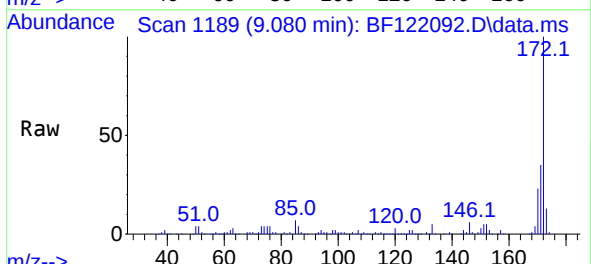
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#45
2-Fluorobiphenyl
Concen: 32.14 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34

Tgt Ion: 172 Resp: 387187
Ion Ratio Lower Upper
172 100
171 34.8 29.1 43.7
170 23.0 19.8 29.6





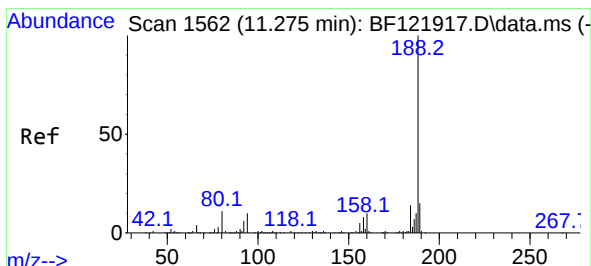
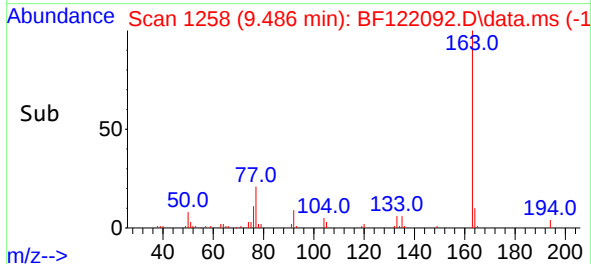
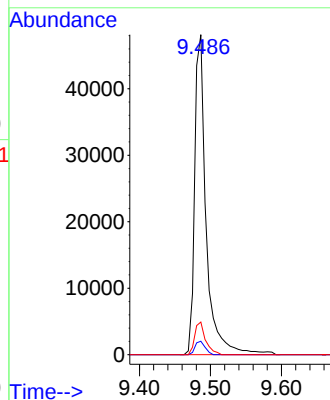
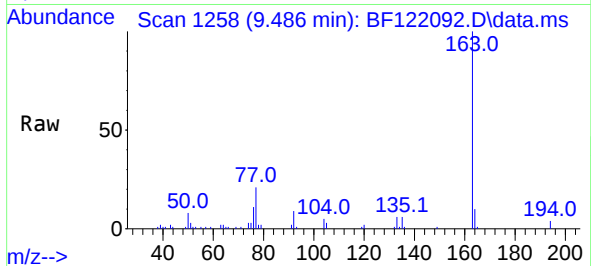
#50
Dimethylphthalate
Concen: 4.20 ng
RT: 9.486 min Scan# 1258
Delta R.T. -0.006 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34

Tgt Ion:163	Resp:	54433
Ion Ratio	Lower	Upper
163	100	
194	4.2	3.3 4.9
164	10.2	8.2 12.4

Instrument :
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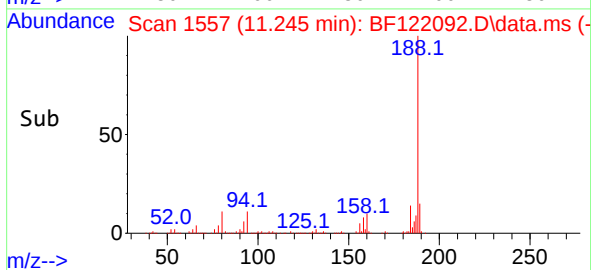
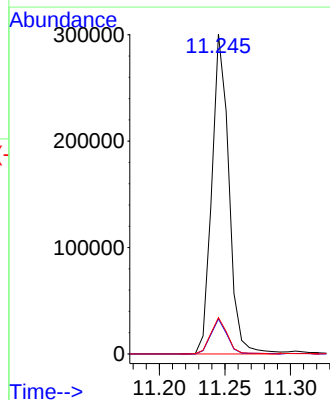
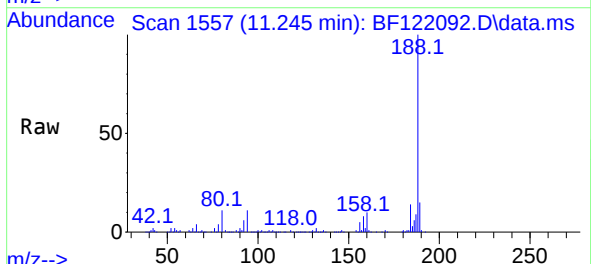
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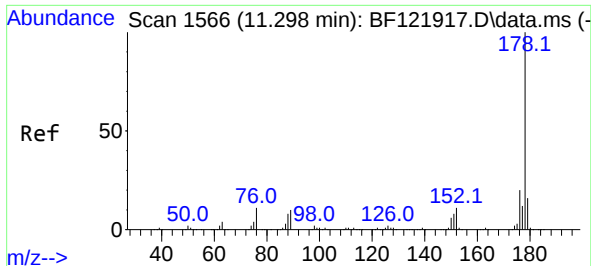
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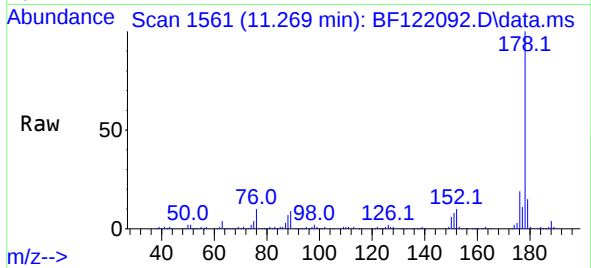
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.245 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34

Tgt Ion:188	Resp:	271895
Ion Ratio	Lower	Upper
188	100	
94	11.0	8.3 12.5
80	11.3	9.1 13.7

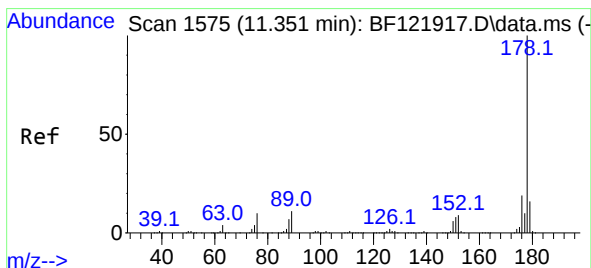
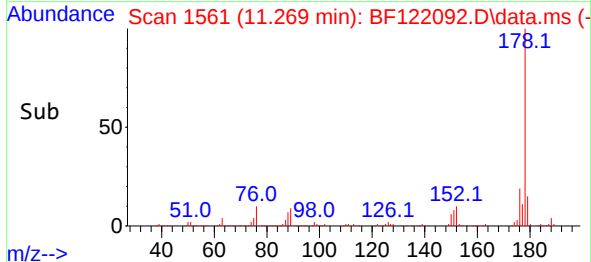
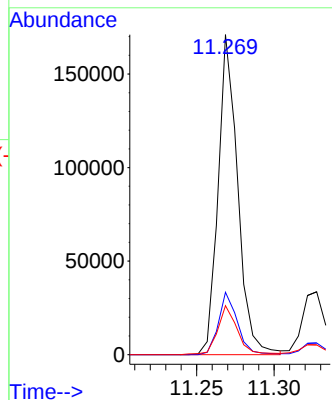




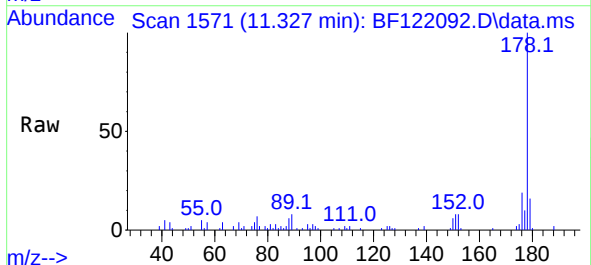
#71
Phenanthrene
Concen: 10.07 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34



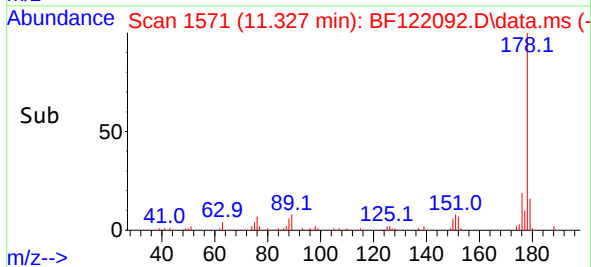
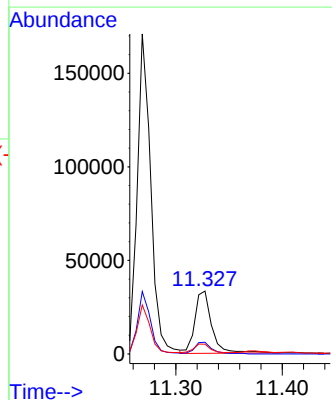
Tgt Ion:178 Resp: 150072
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.3 12.2 18.4



#72
Anthracene
Concen: 2.39 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34



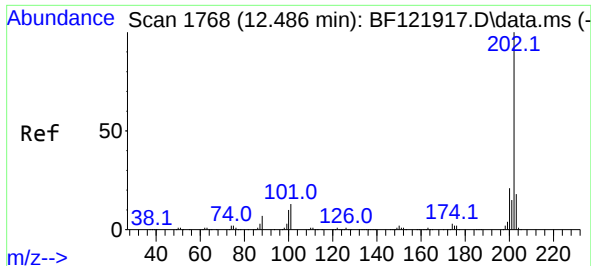
Tgt Ion:178 Resp: 36962
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 15.6 12.7 19.1



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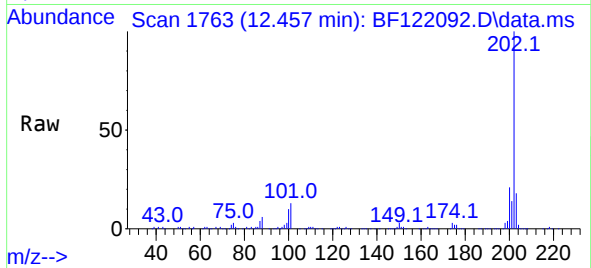
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#75
Fluoranthene
Concen: 15.24 ng
RT: 12.457 min Scan# 1763
Delta R.T. -0.006 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34

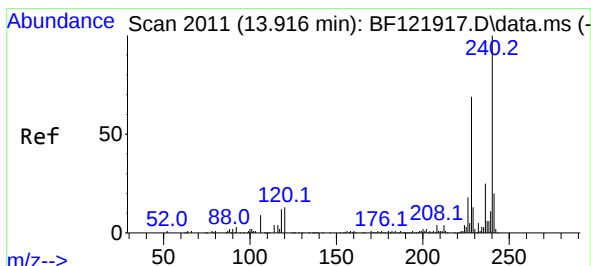
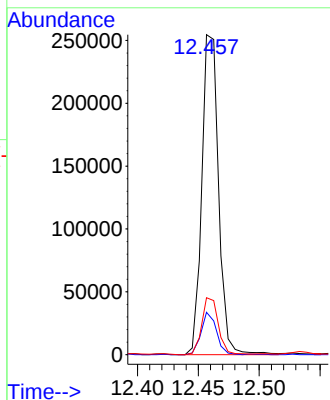
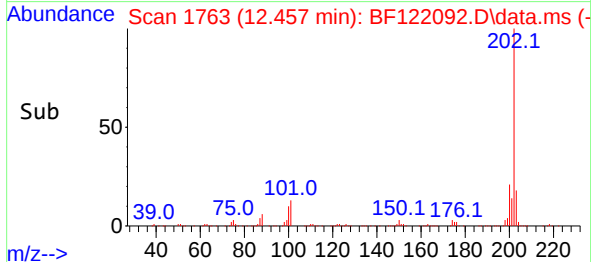
Instrument :
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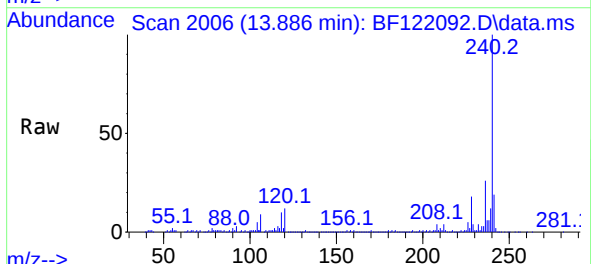
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Ion Ratio Lower Upper
202 100
101 13.3 0.0 33.4
203 17.8 0.0 37.9

Manual Integrations
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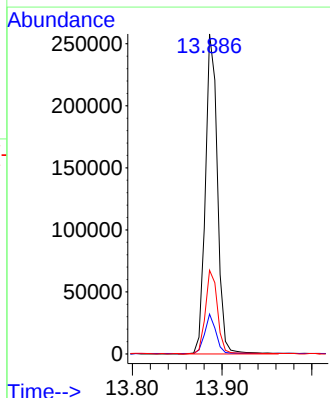
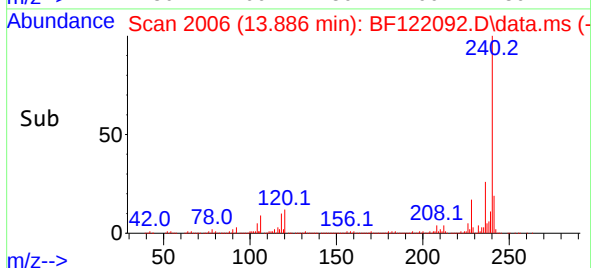
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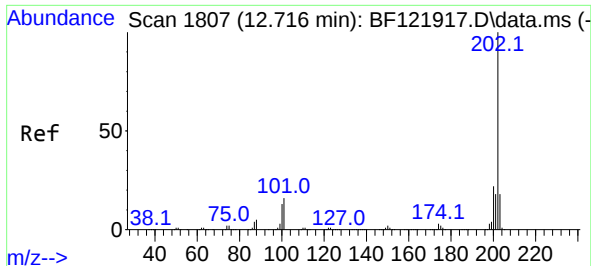


#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.886 min Scan# 2006
Delta R.T. -0.000 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34

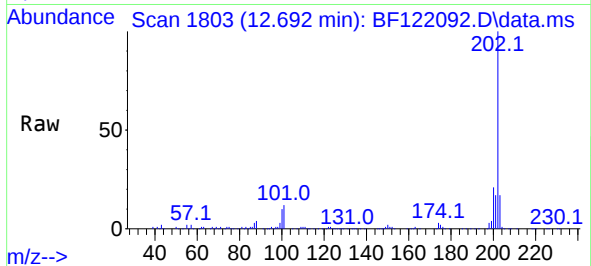


Tgt Ion:240 Resp: 240422
Ion Ratio Lower Upper
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120 12.4 9.2 13.8
236 26.2 20.9 31.3

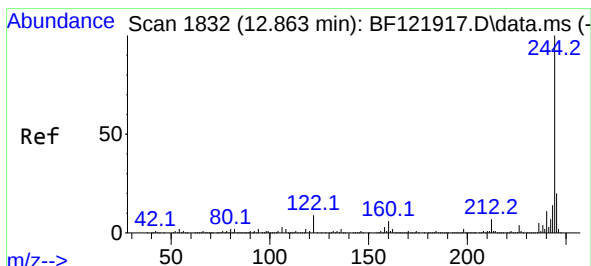
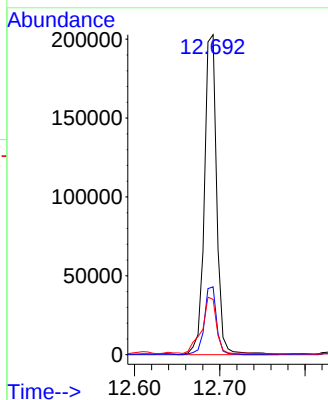
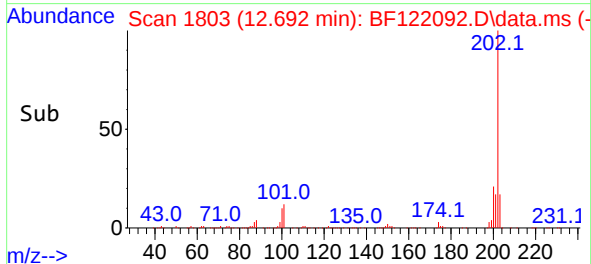




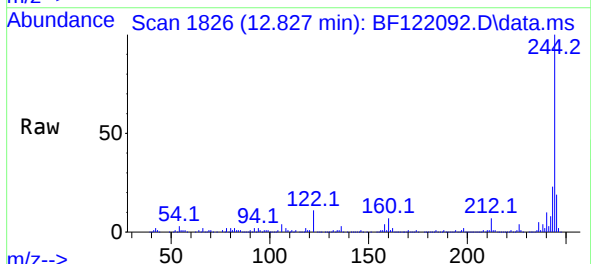
#78
Pyrene
Concen: 11.13 ng
RT: 12.692 min Scan# 1803
Delta R.T. 0.006 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34



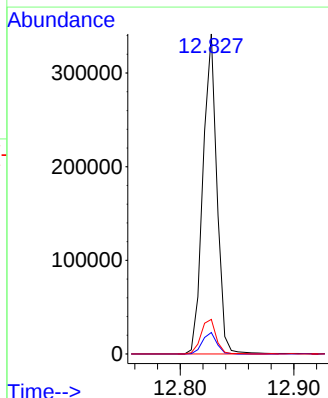
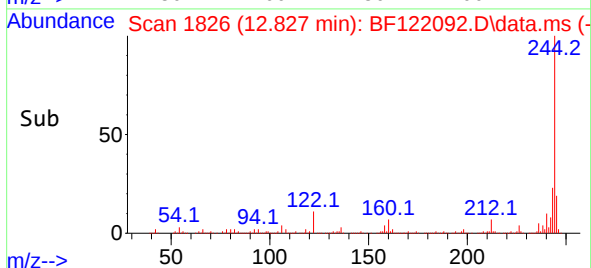
Tgt Ion:202 Resp: 203994
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 17.3 14.6 21.8



#79
Terphenyl-d14
Concen: 23.04 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34



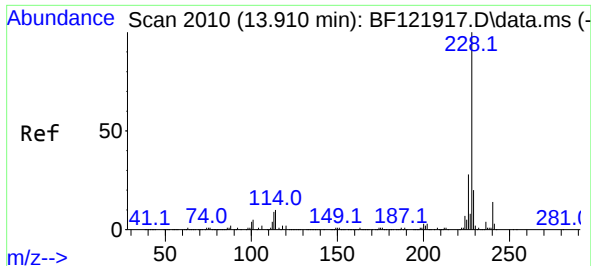
Tgt Ion:244 Resp: 290680
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 10.8 8.1 12.1



Instrument :
BNA_F
ClientSampleId :
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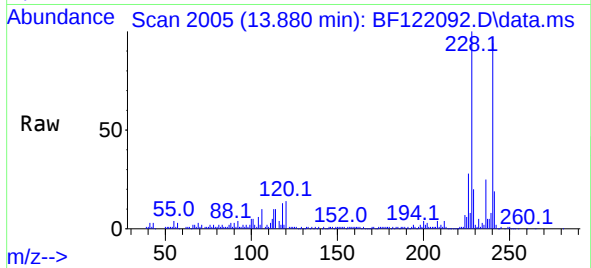
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#81
Benzo(a)anthracene
Concen: 7.08 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34

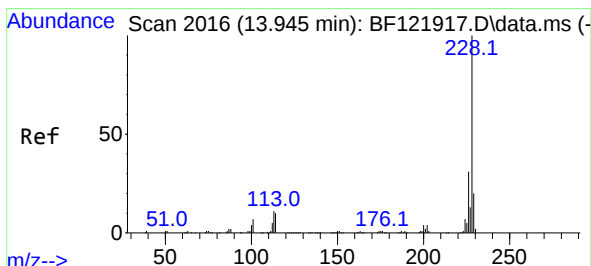
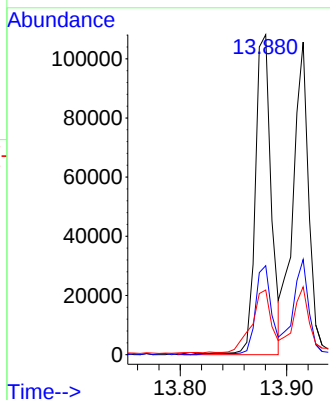
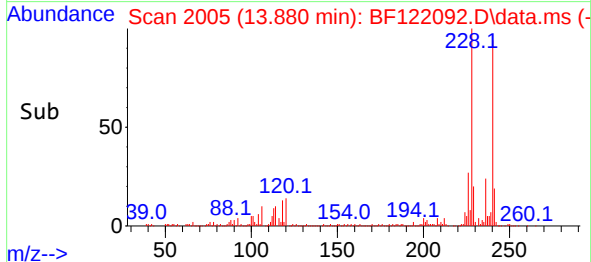
Instrument :
BNA_F
ClientSampleId :
IS-SOIL-PILE



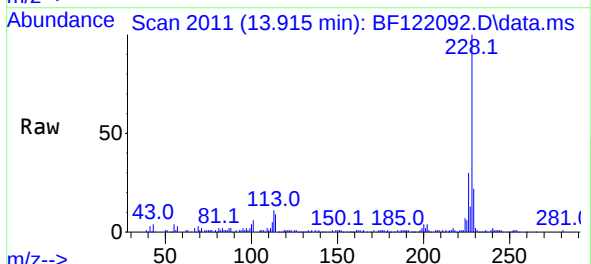
Tgt Ion:228 Resp: 111478
Ion Ratio Lower Upper
228 100
226 27.8 22.3 33.5
229 20.2 16.2 24.4

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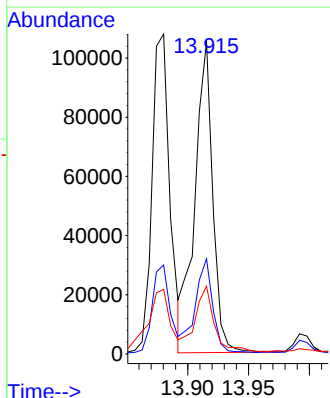
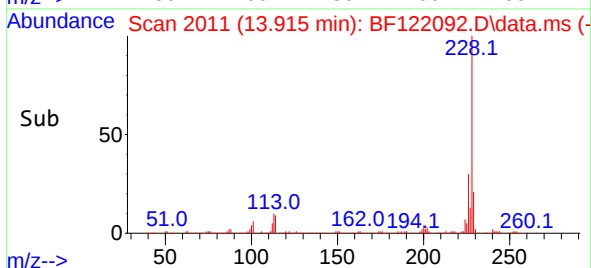
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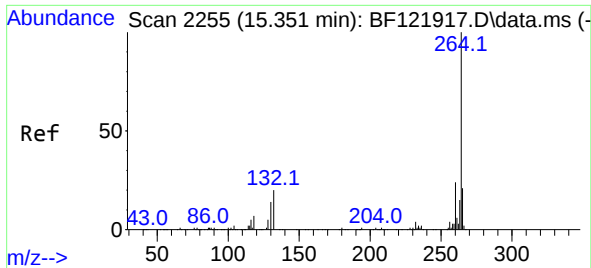


#83
Chrysene
Concen: 6.97 ng
RT: 13.915 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34



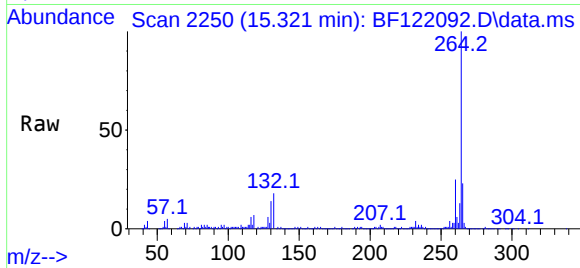
Tgt Ion:228 Resp: 107784
Ion Ratio Lower Upper
228 100
226 30.5 24.6 37.0
229 21.7 15.9 23.9





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.321 min Scan# 2250
Delta R.T. 0.006 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34

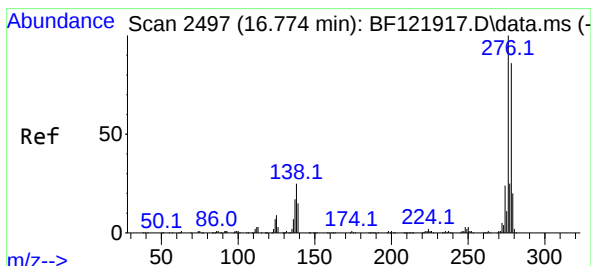
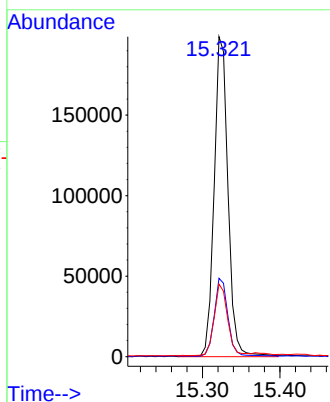
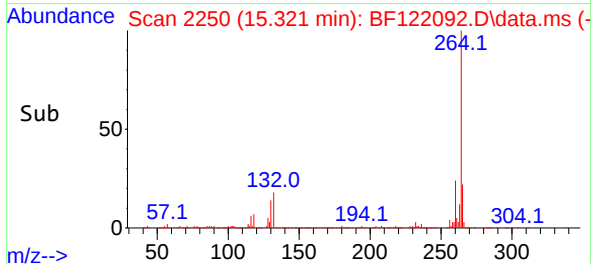
Instrument :
BNA_F
ClientSampleId :
IS-SOIL-PILE



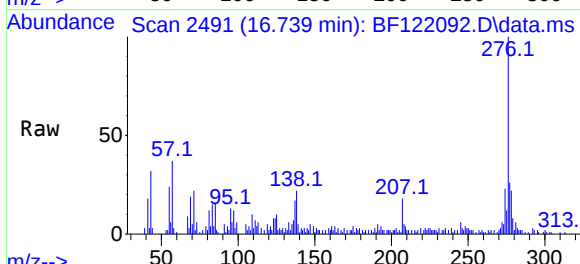
Tgt Ion:264 Resp: 246700
Ion Ratio Lower Upper
264 100
260 24.5 18.7 28.1
265 22.7 17.3 25.9

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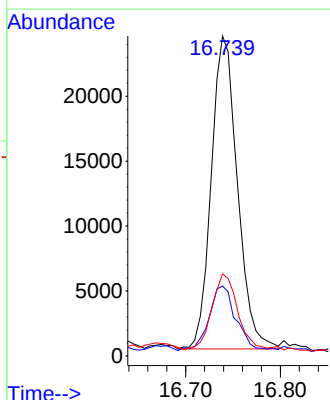
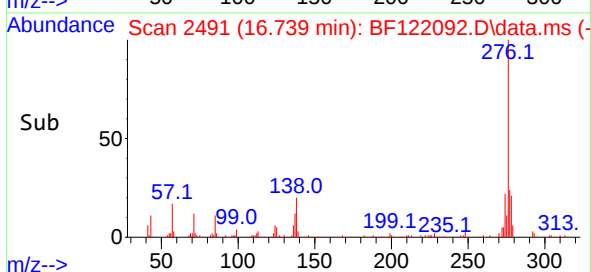
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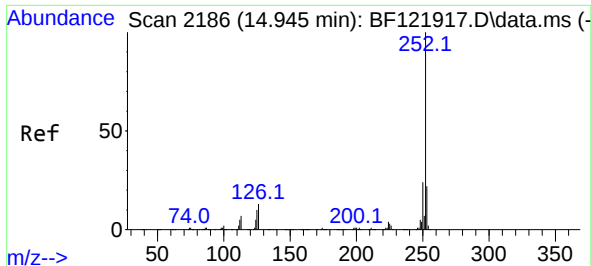


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.89 ng
RT: 16.739 min Scan# 2491
Delta R.T. 0.012 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34



Tgt Ion:276 Resp: 46214
Ion Ratio Lower Upper
276 100
138 21.3 19.9 29.9
277 26.1 20.4 30.6





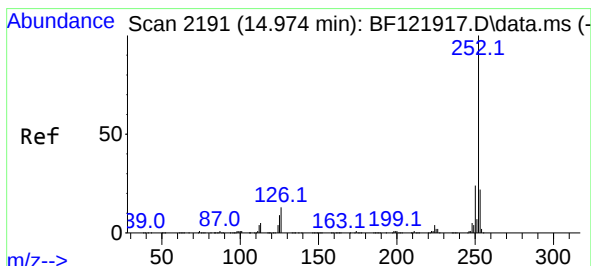
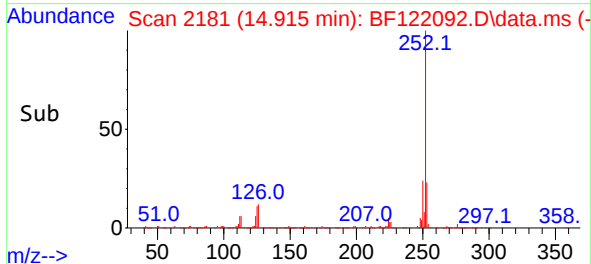
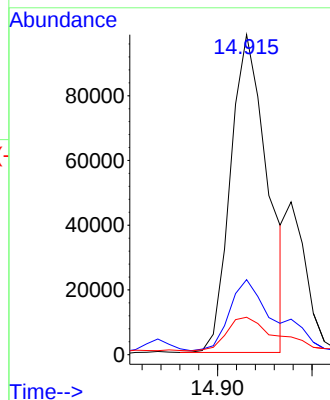
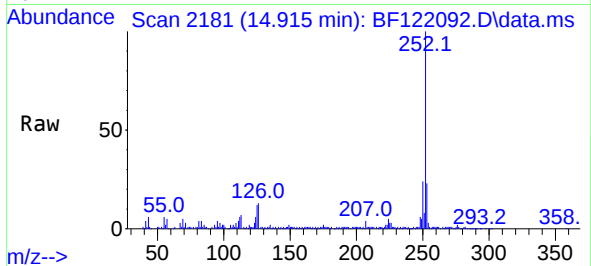
#88
Benzo(b)fluoranthene
Concen: 8.04 ng m
RT: 14.915 min Scan# 2181
Delta R.T. 0.006 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34

Tgt Ion:252 Resp: 134122
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.2
125 11.7 8.0 12.0

Instrument :
BNA_F
ClientSampleId :
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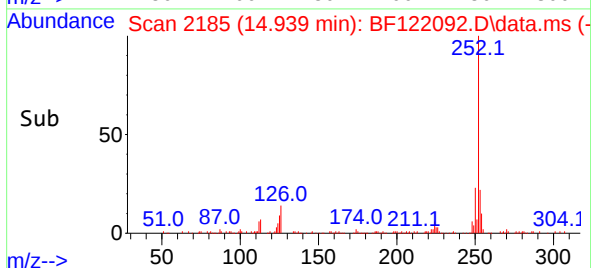
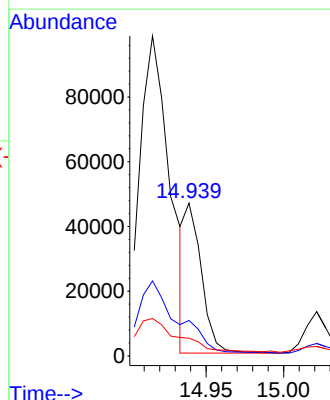
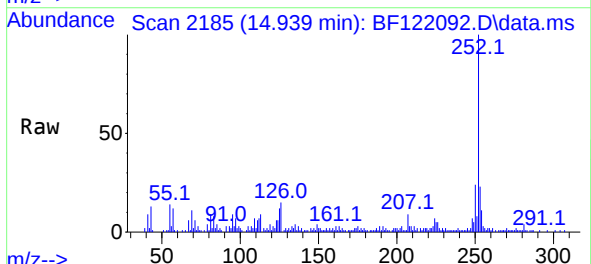
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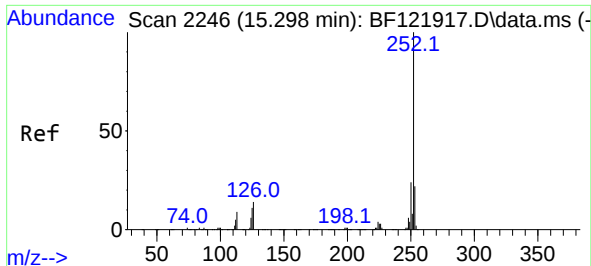
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#89
Benzo(k)fluoranthene
Concen: 2.17 ng m
RT: 14.939 min Scan# 2185
Delta R.T. 0.006 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34

Tgt Ion:252 Resp: 34380
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 11.7 7.7 11.5#





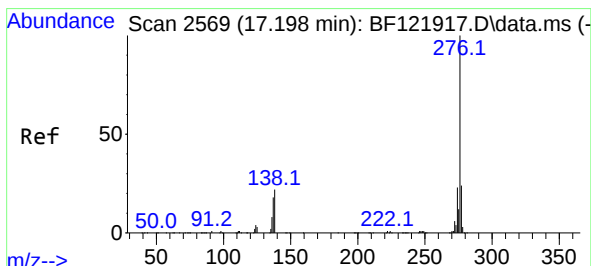
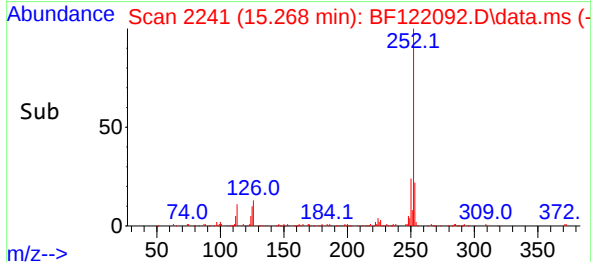
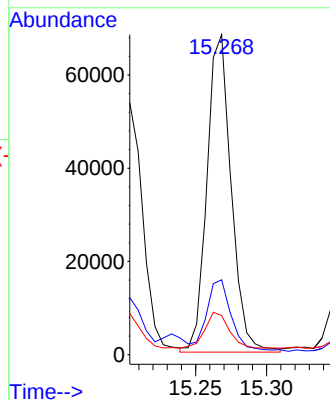
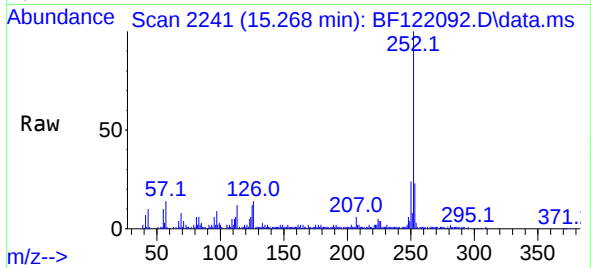
#90
Benzo(a)pyrene
Concen: 5.63 ng
RT: 15.268 min Scan# 2241
Delta R.T. 0.012 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34

Tgt Ion:	252	Resp:	81063
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.3	25.9
125	12.2	8.6	13.0

Instrument :
BNA_F
ClientSampleId :
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#92
Benzo(g,h,i)perylene
Concen: 3.09 ng
RT: 17.162 min Scan# 2563
Delta R.T. 0.023 min
Lab File: BF122092.D
Acq: 22 Oct 2020 19:34

Tgt Ion:	276	Resp:	40783
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.4	29.2
138	22.6	17.8	26.6

