

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103390.D
 Acq On : 3 Mar 2018 2:19
 Operator : SJ/JU
 Sample : J1724-13
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-22

Manual Integrations
 APPROVED

Sohil
 3/5/2018 3:14:16 PM

Quant Time: Mar 03 04:24:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 02 13:28:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	161731	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	673578	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	243715	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	338246	20.00	ng	0.00
75) Chrysene-d12	14.07	240	229154	20.00	ng	0.00
86) Perylene-d12	15.58	264	165338	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	984404	92.06	ng	0.00
7) Phenol-d6	6.52	99	1179505	90.14	ng	0.00
23) Nitrobenzene-d5	7.45	82	742443	62.95	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	156704	75.96	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	996937	66.94	ng	0.00
78) Terphenyl-d14	13.00	244	656674	68.89	ng	0.00
Target Compounds						
10) Phenol	6.53	94	92771	6.107	ng	96
49) Dimethylphthalate	9.63	163	72722	3.720	ng	99
70) Phenanthrene	11.44	178	198119	10.643	ng	98
71) Anthracene	11.49	178	64181	3.362	ng	97
74) Fluoranthene	12.63	202	357643	19.119	ng	99
77) Pyrene	12.86	202	338054	18.921	ng	99
80) Benzo(a)anthracene	14.06	228	166939m	11.228	ng	
82) Chrysene	14.09	228	168459m	11.669	ng	
83) Bis(2-ethylhexyl)phthalate	14.02	149	69710	5.473	ng	99
85) Indeno(1,2,3-cd)pyrene	17.12	276	64302	5.626	ng	95
87) Benzo(b)fluoranthene	15.13	252	169479m	15.590	ng	
88) Benzo(k)fluoranthene	15.16	252	52405m	5.119	ng	
89) Benzo(a)pyrene	15.52	252	111346	11.470	ng	# 91
90) Dibenzo(a,h)anthracene	17.12	278	18495	2.466	ng	# 65
91) Benzo(a,h,i)perylene	17.59	276	64219	8.760	ng	# 88

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

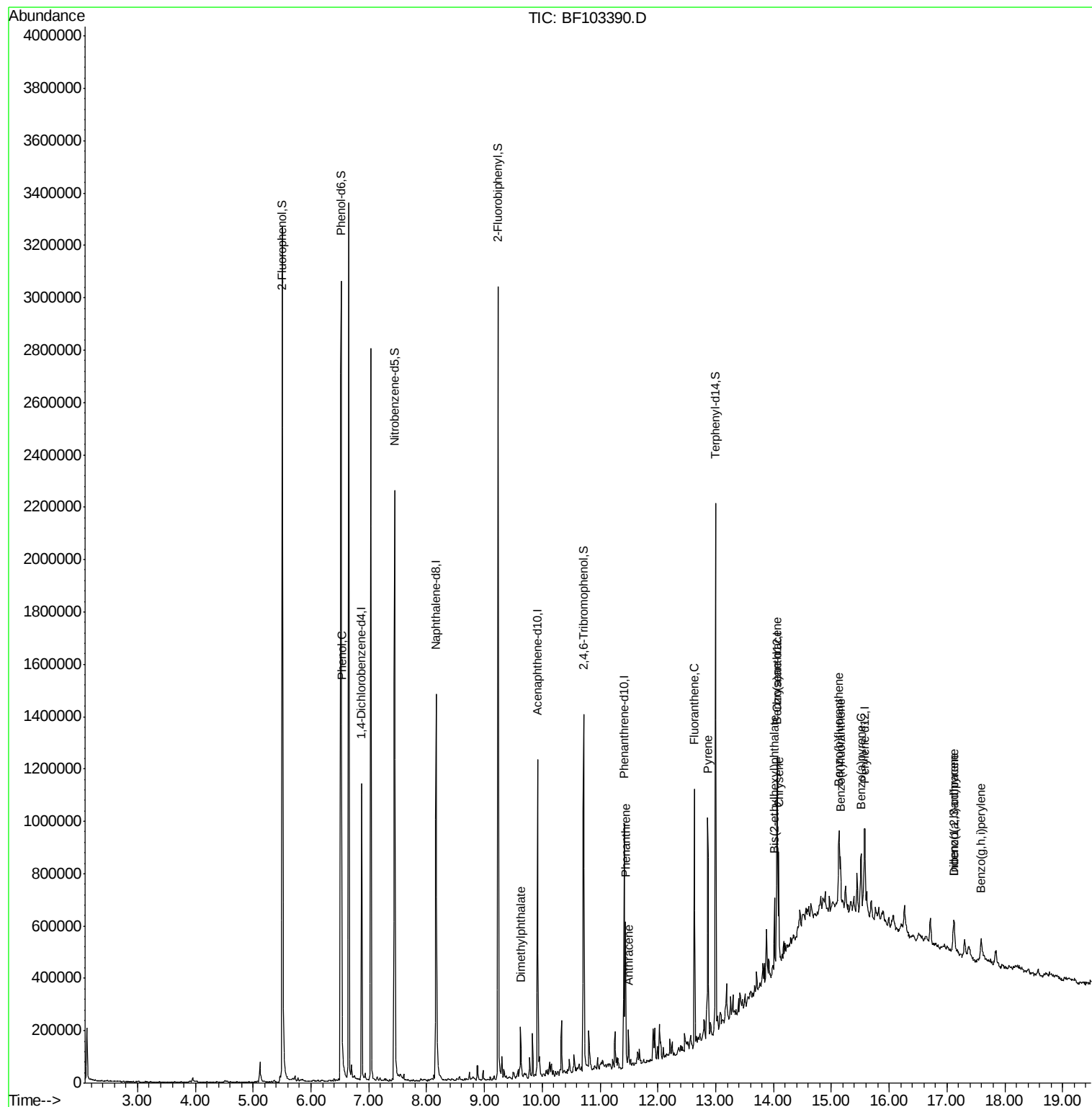
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
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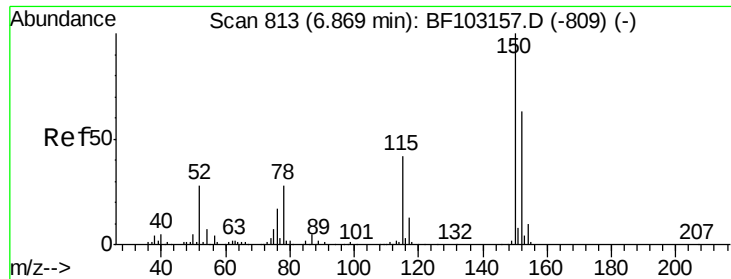
Instrument :
BNA_F
ClientSampled :
SP-22

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#1

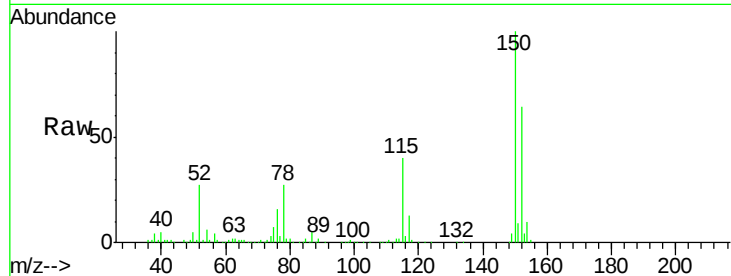
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.01 min
Lab File: BF103390.D
Acq: 3 Mar 2018 2:19

Instrument :
BNA_F
ClientSampled :
SP-22

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	62.5	50.1	75.1

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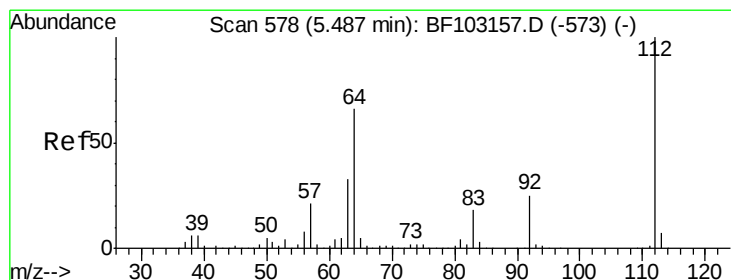
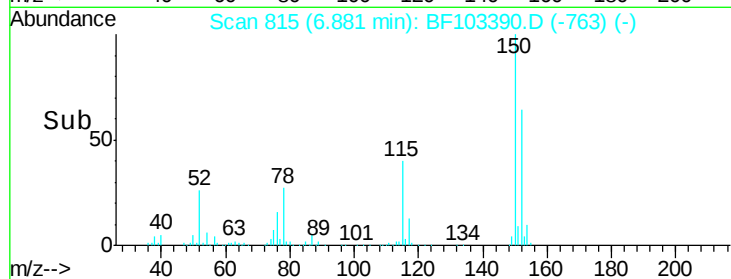
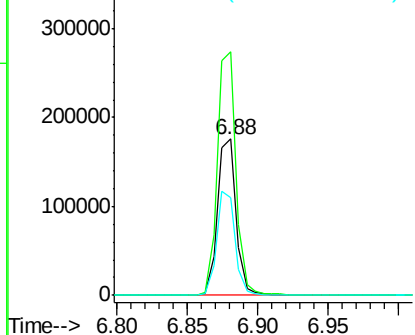


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

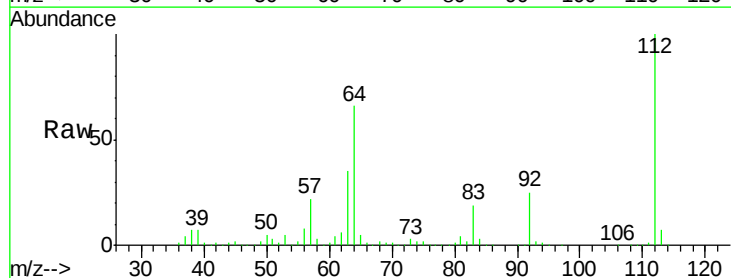
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.057 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103390.D
Acq: 3 Mar 2018 2:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	47.9	71.9
63	34.8	23.7	35.5

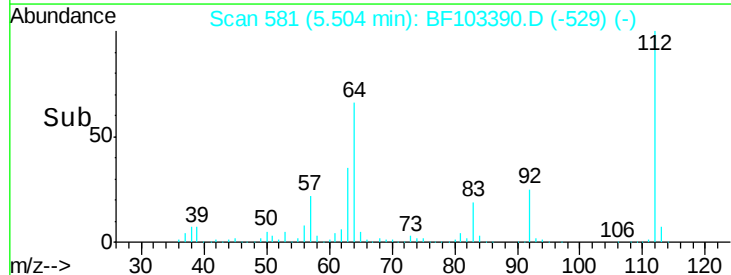
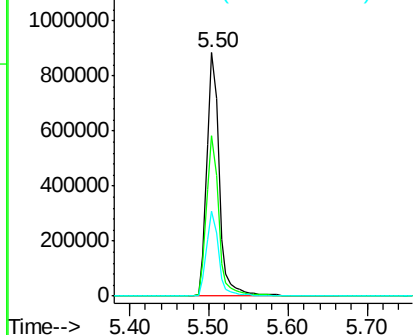


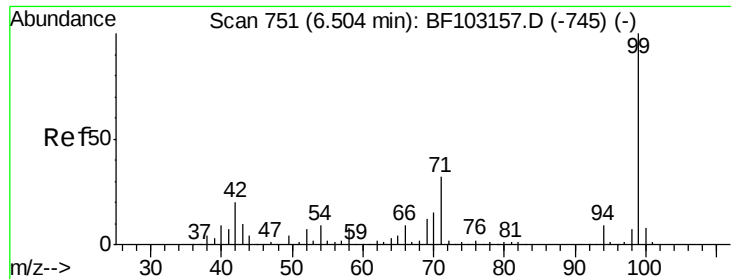
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 90.141 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF103390.D

Acq: 3 Mar 2018 2:19

Instrument :

BNA_F

ClientSampled :

SP-22

Tot Ion: 99 Resp: 1179505

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

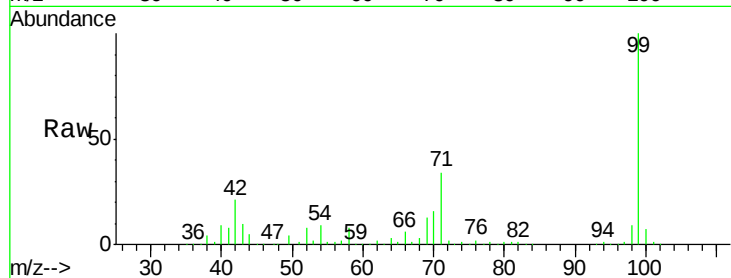
71 33.6 25.4 38.0

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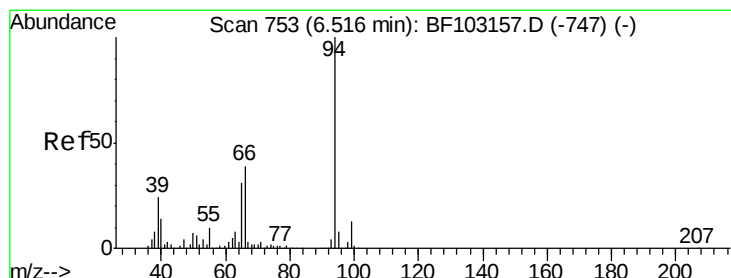
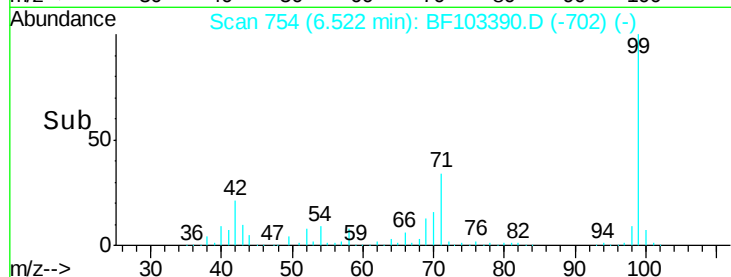
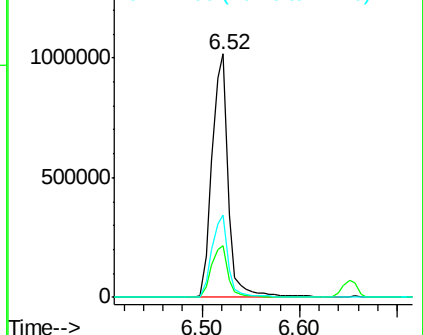
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 6.107 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF103390.D

Acq: 3 Mar 2018 2:19

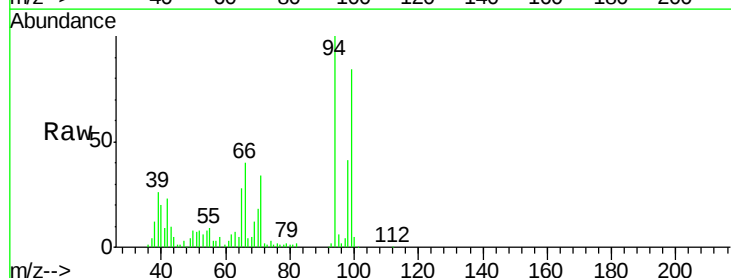
Tgt Ion: 94 Resp: 92771

Ion Ratio Lower Upper

94 100

65 28.0 7.9 47.9

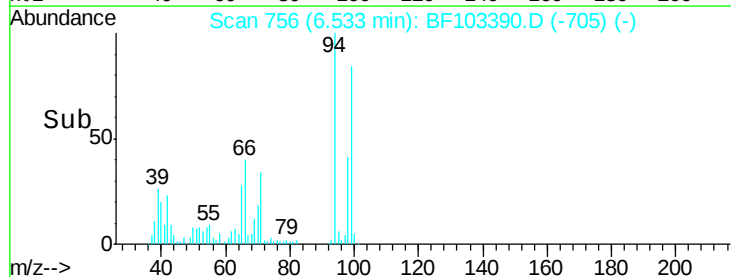
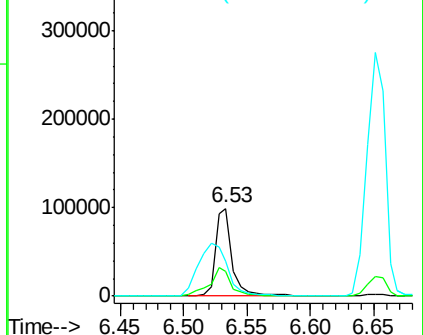
66 40.1 16.2 56.2

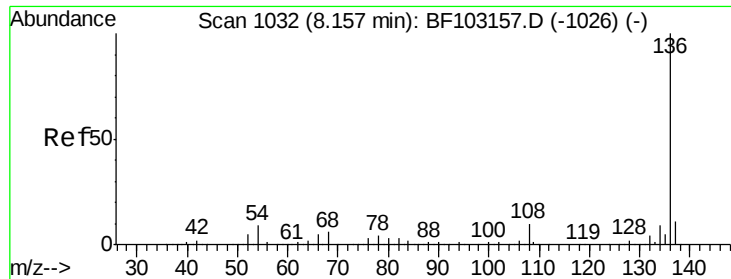


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





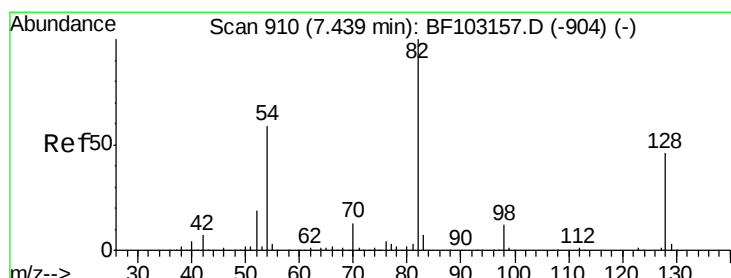
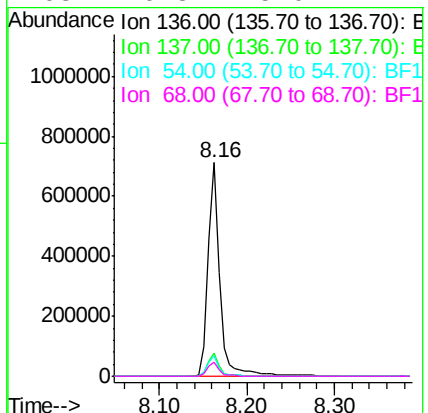
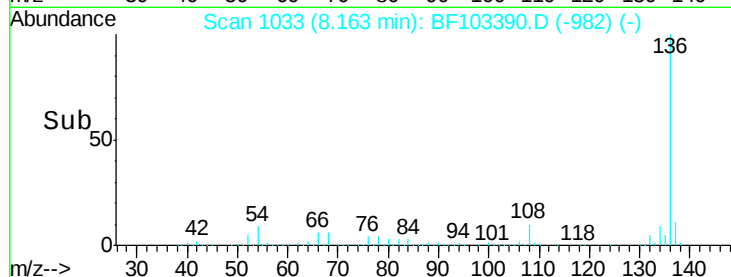
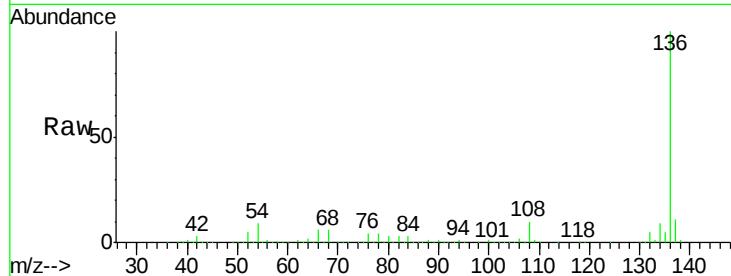
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF103390.D
Acq: 3 Mar 2018 2:19

Instrument :
BNA_F
ClientSampled :
SP-22

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.8		8.9	13.3	
54	9.3		6.6	9.8	
68	6.3		5.0	7.4	

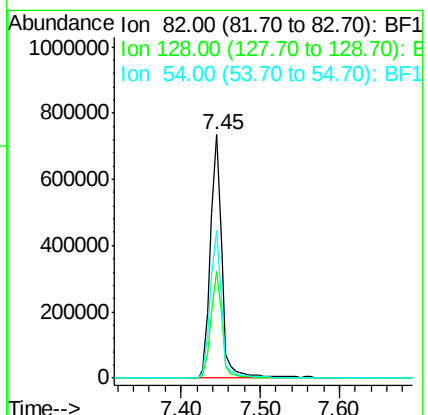
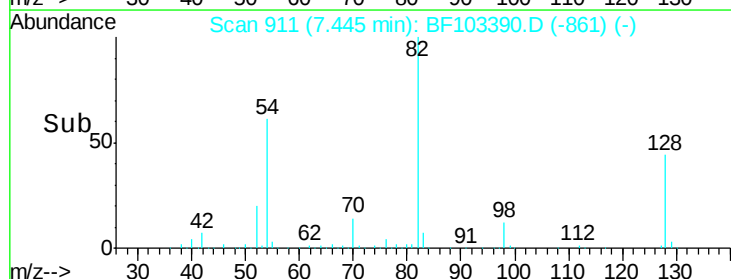
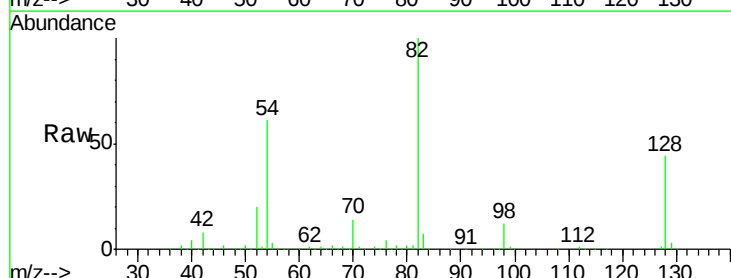
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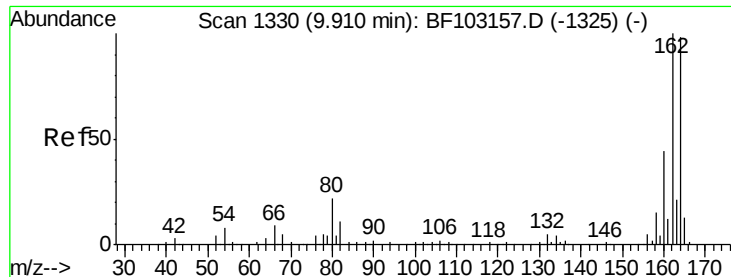
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#23
Nitrobenzene-d5
Concen: 62.947 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF103390.D
Acq: 3 Mar 2018 2:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	43.6		36.1	54.1	
54	60.6		41.4	62.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BF103390.D

Acq: 3 Mar 2018 2:19

Instrument :

BNA_F

ClientSampled :

SP-22

Tot Ion:164 Resp: 243715

Ion Ratio Lower Upper

164 100

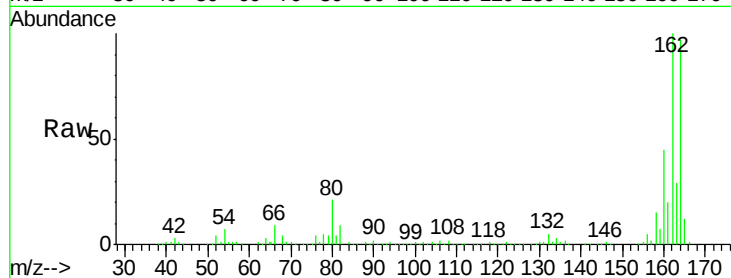
162 103.3 86.1 129.1

160 46.4 38.3 57.5

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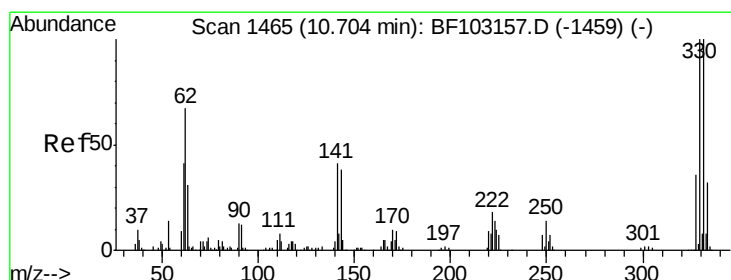
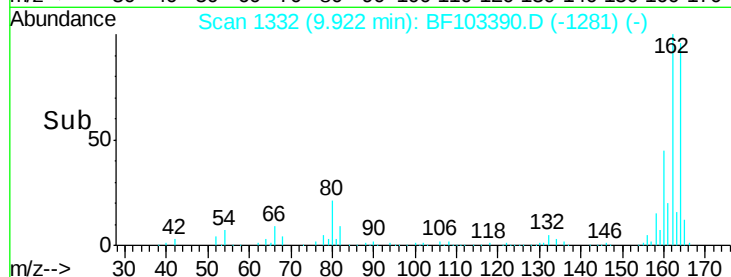
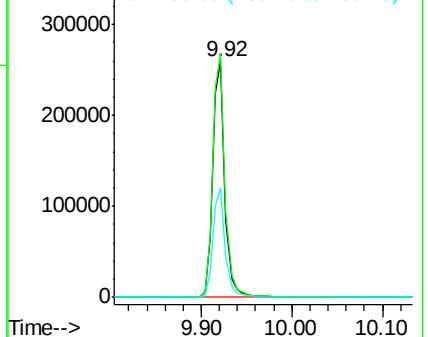
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 75.962 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BF103390.D

Acq: 3 Mar 2018 2:19

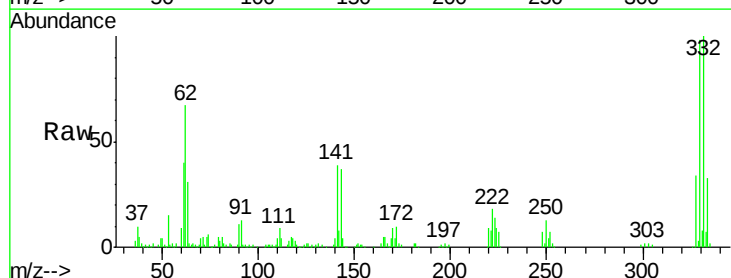
Tgt Ion:330 Resp: 156704

Ion Ratio Lower Upper

330 100

332 100.5 77.0 115.6

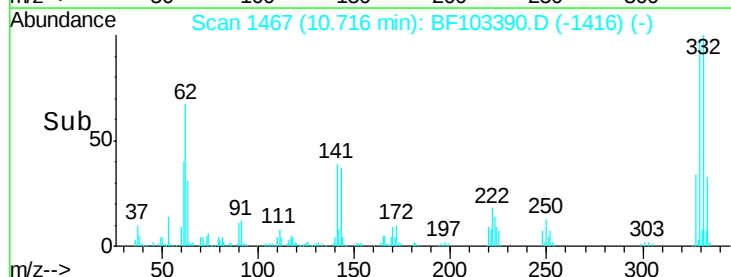
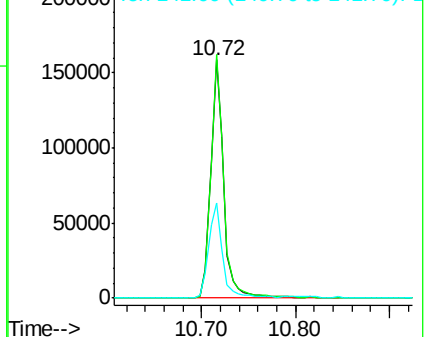
141 41.0 29.9 44.9

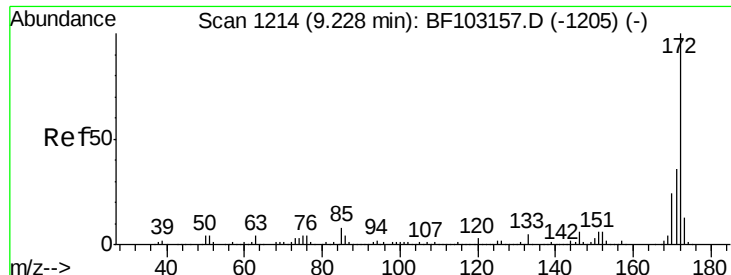


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





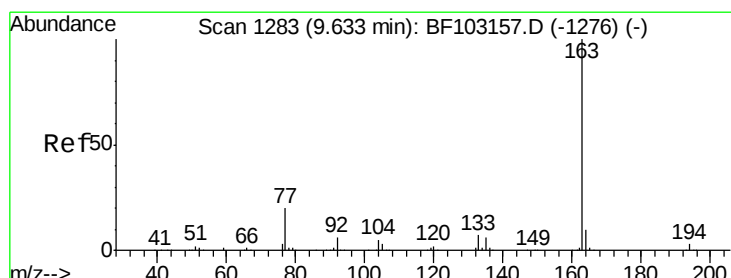
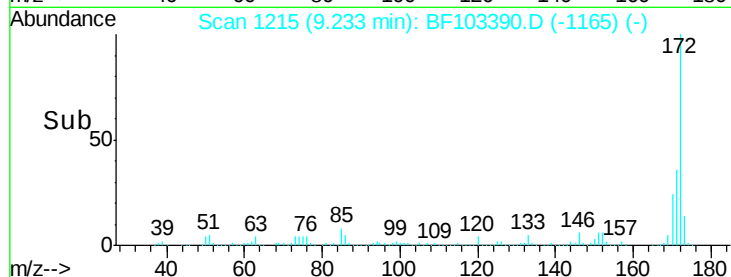
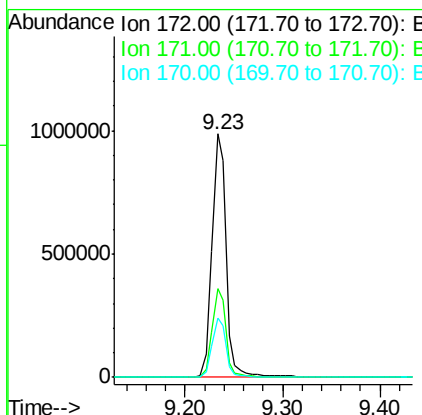
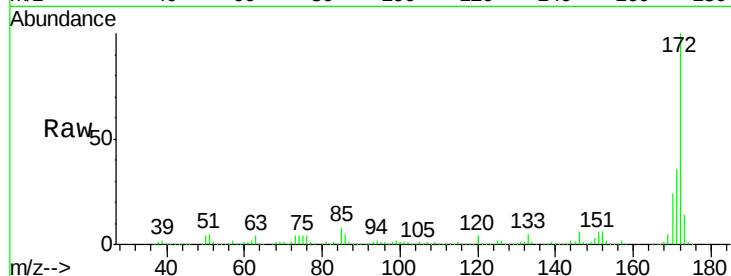
#44
2-Fluorobiphenyl
Concen: 66.940 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103390.D
Acq: 3 Mar 2018 2:19

Instrument :
BNA_F
ClientSampled :
SP-22

Tot Ion	Ratio	Resp	Lower	Upper
172	100	996937		
171	36.5		29.7	44.5
170	24.1		19.6	29.4

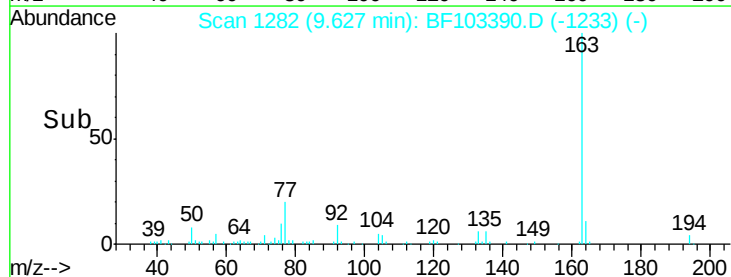
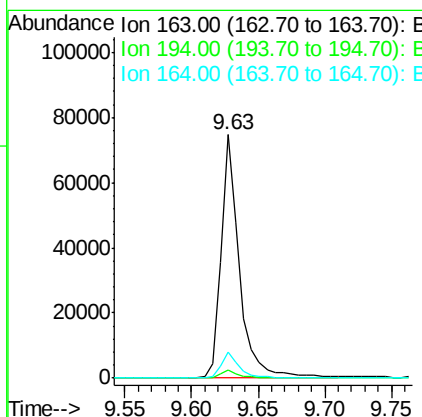
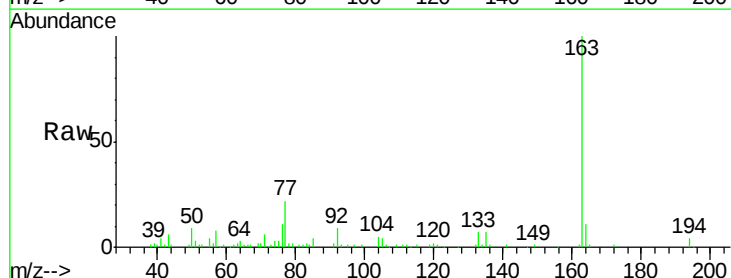
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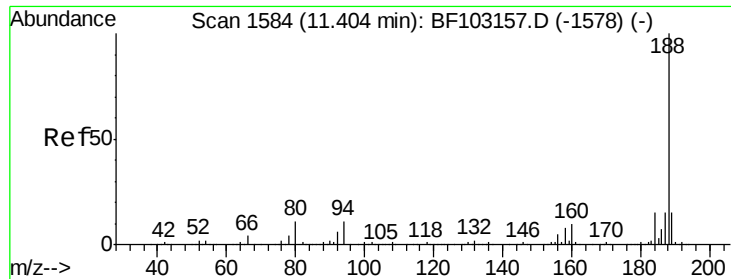
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#49
Dimethylphthalate
Concen: 3.720 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103390.D
Acq: 3 Mar 2018 2:19

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	72722		
194	3.5		2.7	4.1
164	10.6		8.2	12.2





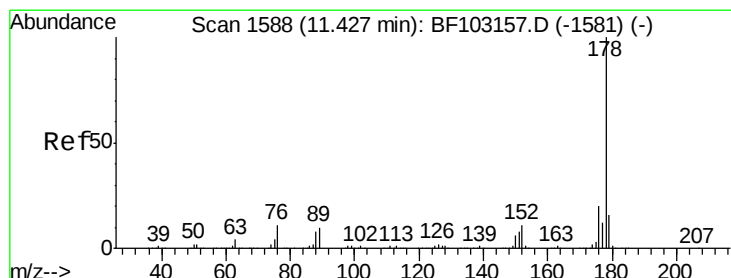
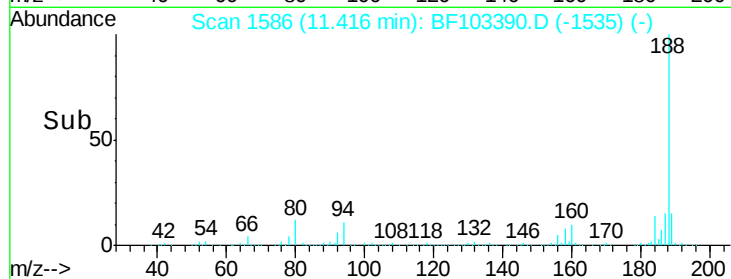
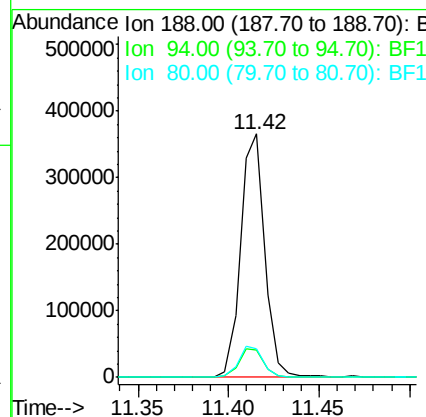
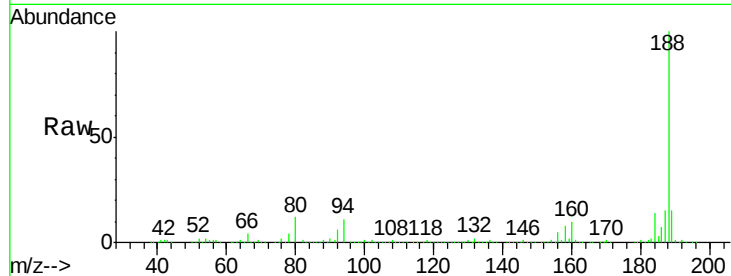
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF103390.D
Acq: 3 Mar 2018 2:19

Instrument :
BNA_F
ClientSampled :
SP-22

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.2	8.5	12.7
80	11.7	9.2	13.8

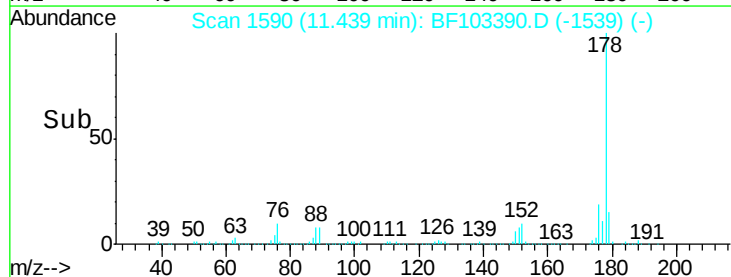
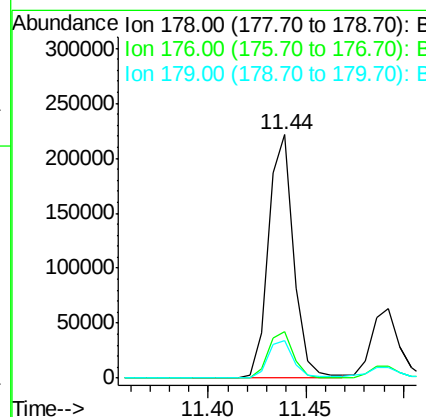
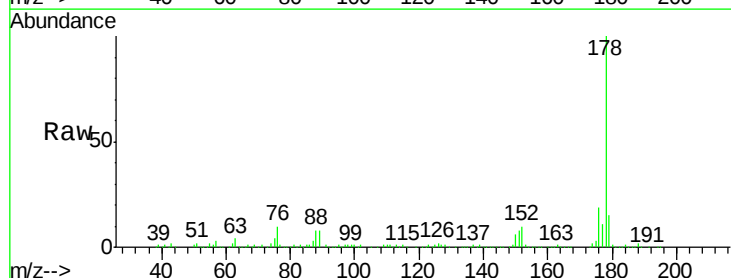
Manual Integrations
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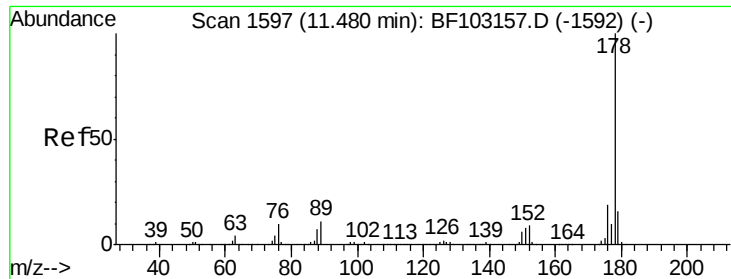
Sohil
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#70
Phenanthrene
Concen: 10.643 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF103390.D
Acq: 3 Mar 2018 2:19

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.2	13.0	19.6





#71

Anthracene

Concen: 3.362 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BF103390.D

Acq: 3 Mar 2018 2:19

Instrument :

BNA_F

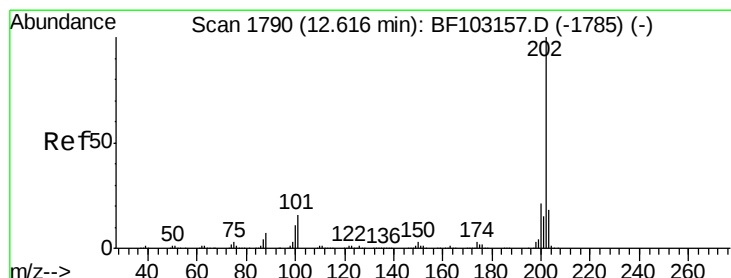
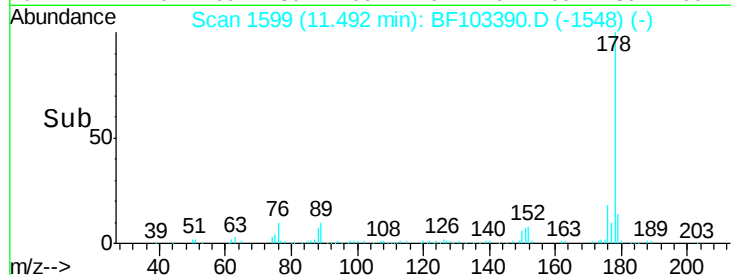
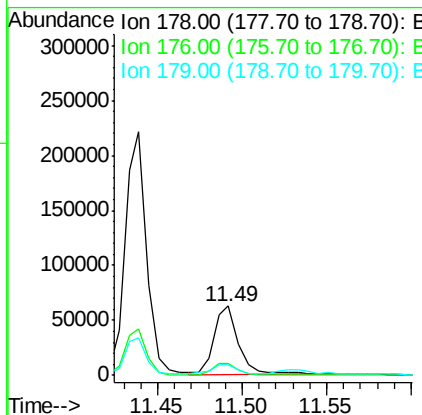
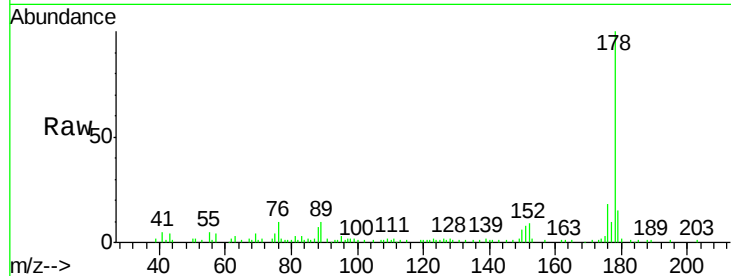
ClientSampled :

SP-22

Tot Ion:	178	Resp:	64181
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.4	23.2
179	14.7	12.6	19.0

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#74

Fluoranthene

Concen: 19.119 ng

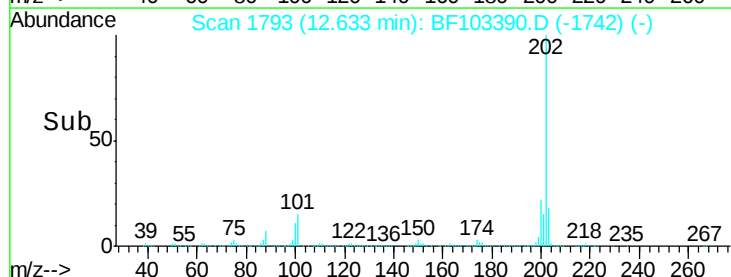
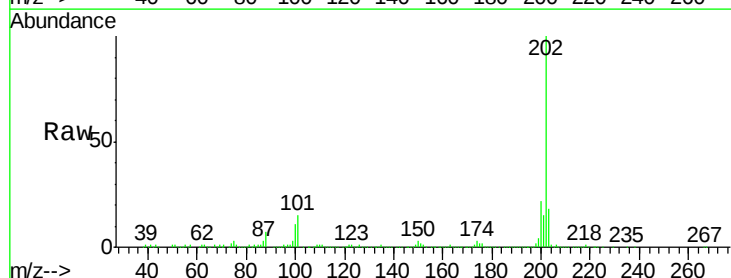
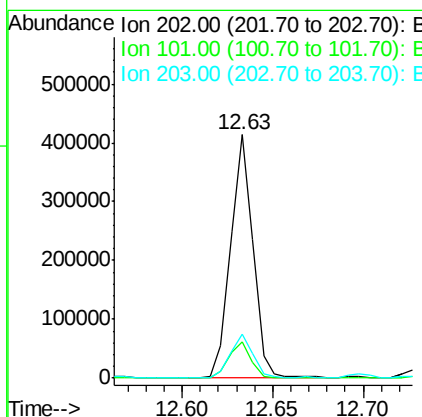
RT: 12.63 min Scan# 1793

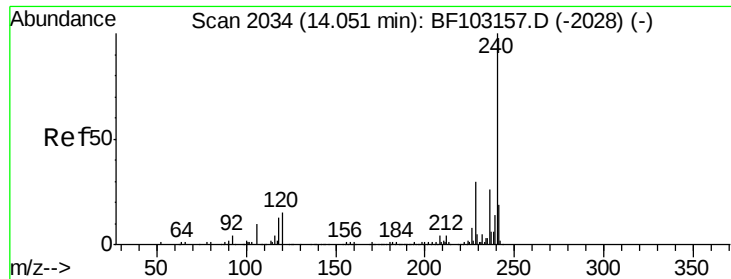
Delta R.T. -0.00 min

Lab File: BF103390.D

Acq: 3 Mar 2018 2:19

Tgt Ion:	202	Resp:	357643
Ion Ratio	Lower	Upper	
202	100		
101	15.1	0.0	34.1
203	17.9	0.0	38.1





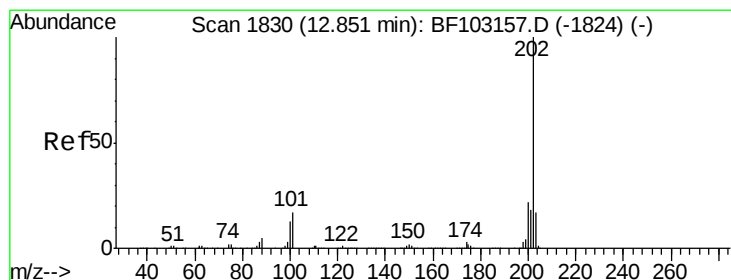
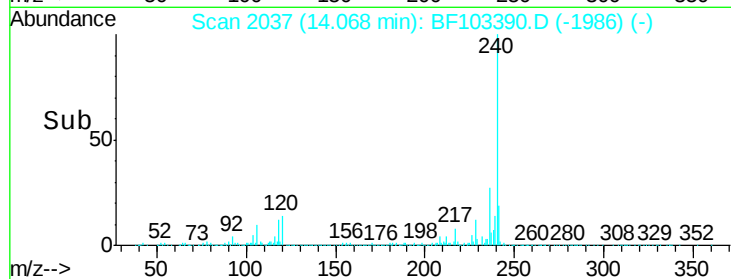
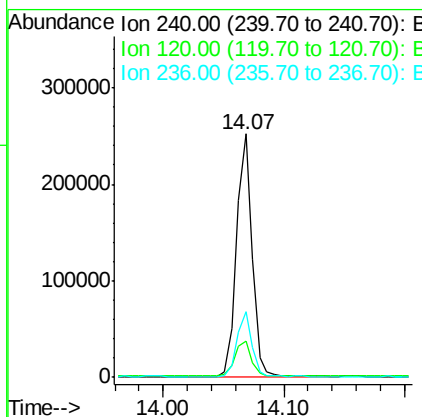
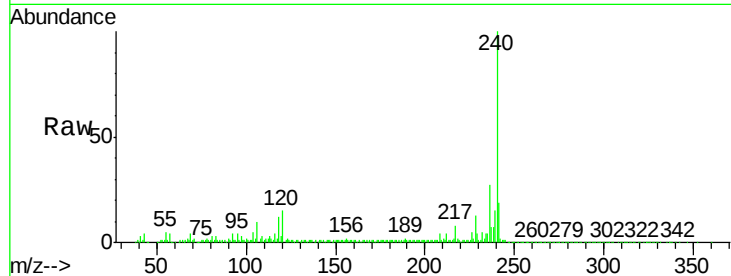
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.00 min
Lab File: BF103390.D
Acq: 3 Mar 2018 2:19

Instrument :
BNA_F
ClientSampled :
SP-22

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.8	9.5	14.3#
236	26.8	20.7	31.1

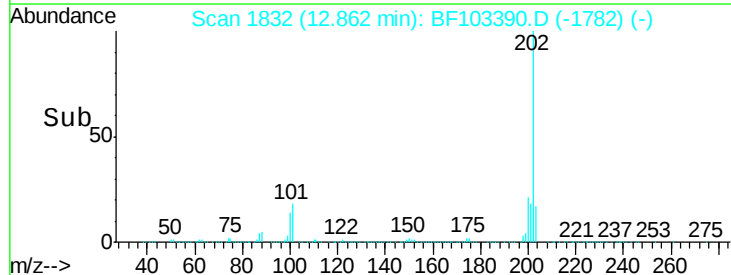
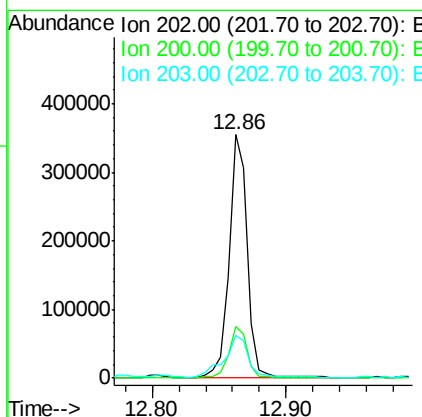
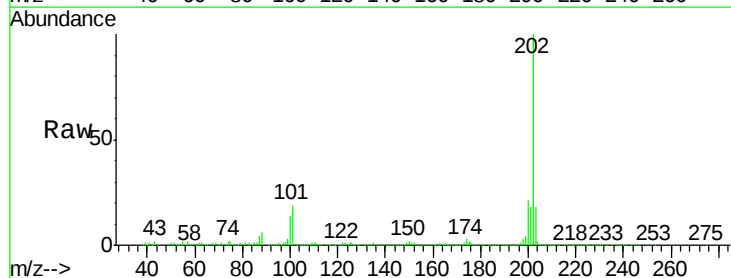
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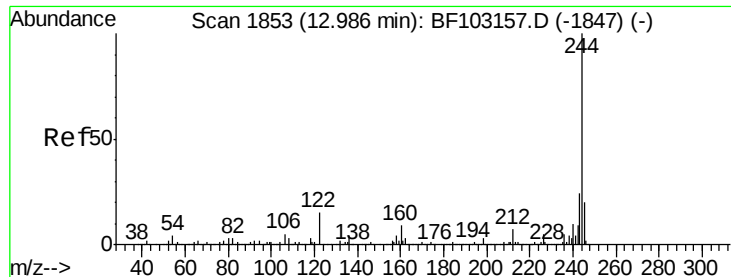
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#77
Pyrene
Concen: 18.921 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BF103390.D
Acq: 3 Mar 2018 2:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.7	14.3	21.5





#78

Terphenyl-d14

Concen: 68.886 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF103390.D

Acq: 3 Mar 2018 2:19

Instrument :

BNA_F

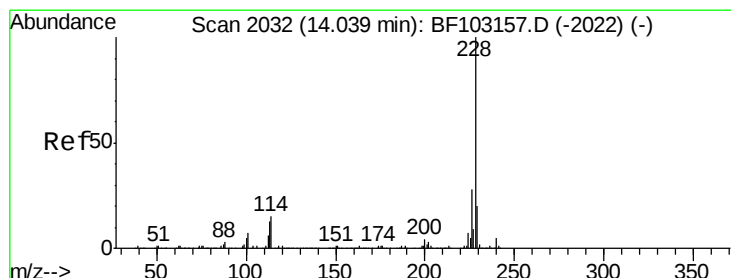
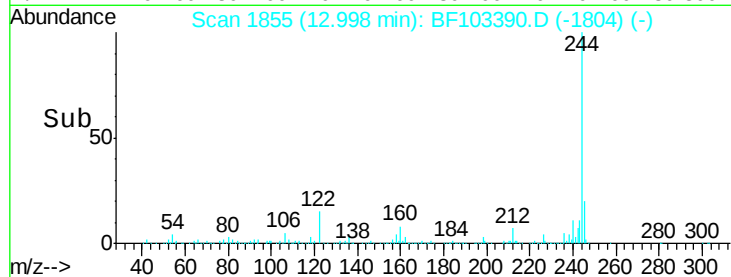
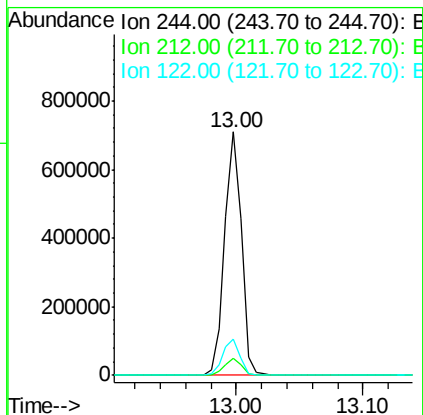
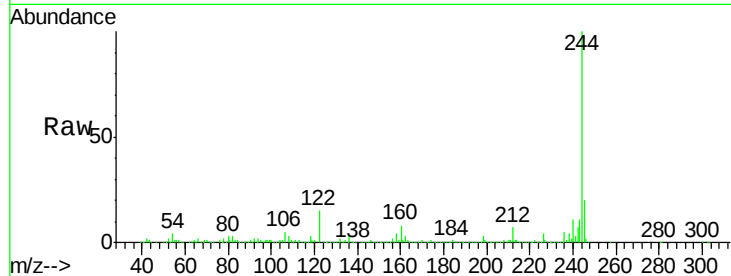
ClientSampleId :

SP-22

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	14.7	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 11.228 ng m

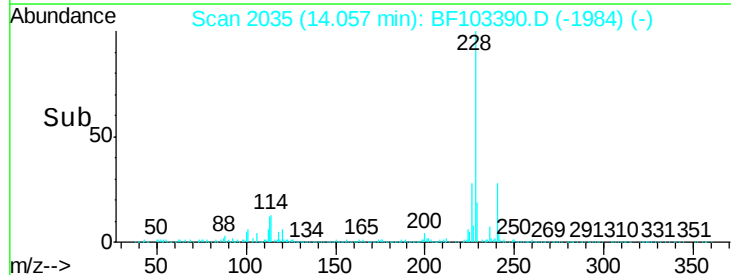
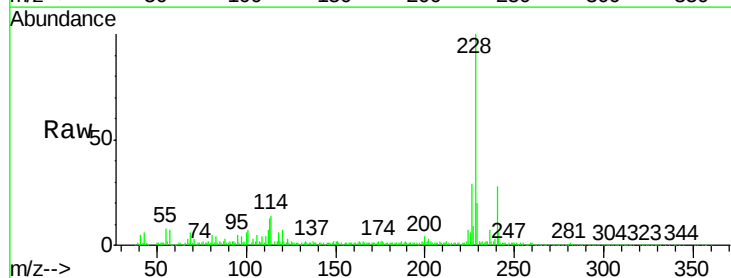
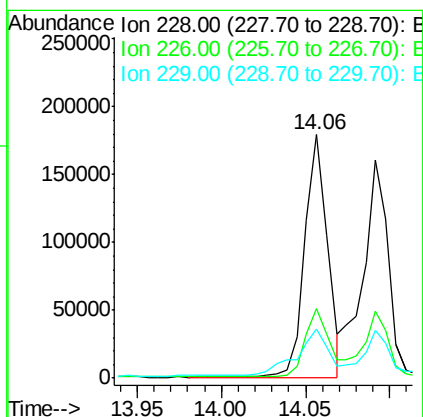
RT: 14.06 min Scan# 2035

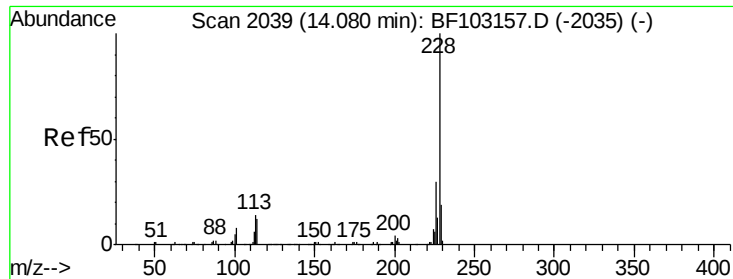
Delta R.T. -0.00 min

Lab File: BF103390.D

Acq: 3 Mar 2018 2:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	20.4	15.8	23.6





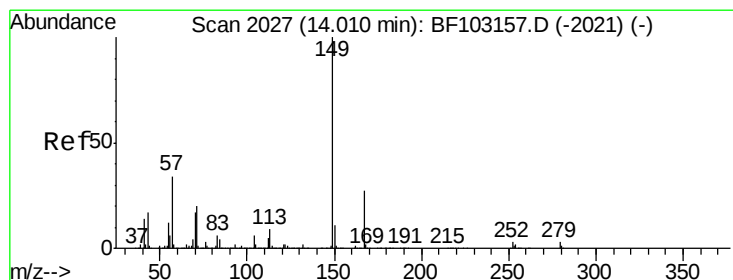
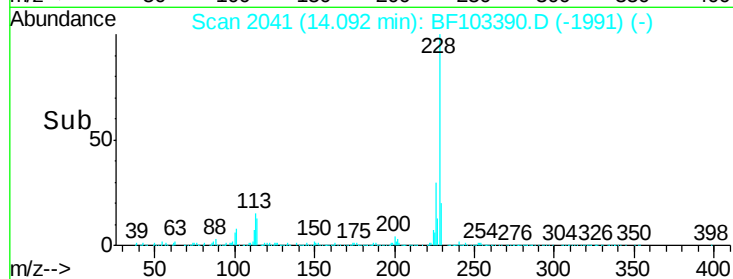
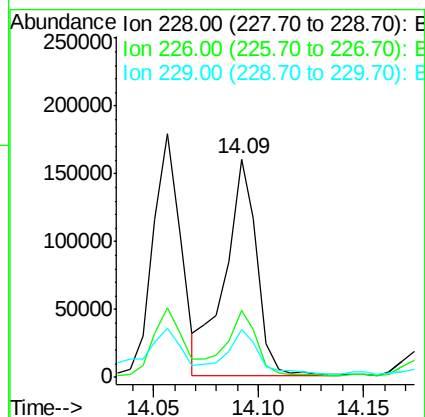
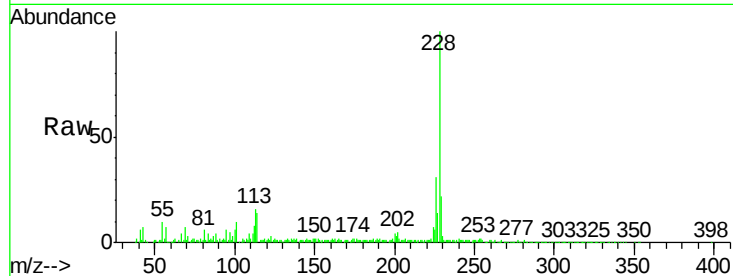
#82
 Chrvsene
 Concen: 11.669 ng/ml
 RT: 14.09 min Scan# 2041
 Delta R.T. -0.01 min
 Lab File: BF103390.D
 Acq: 3 Mar 2018 2:19

Instrument :
 BNA_F
 ClientSampleId :
 SP-22

Tot Ion:	228	Resp:	168459
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	22.0	16.2	24.4

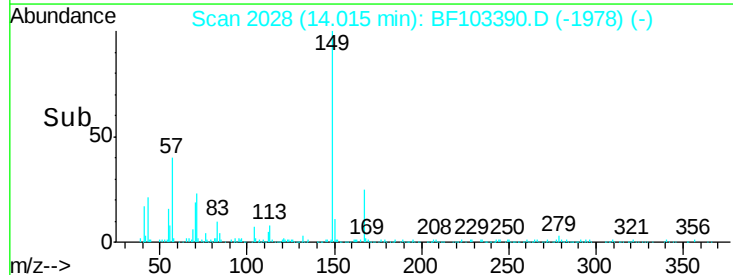
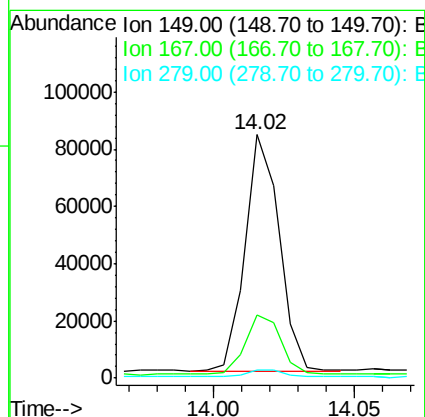
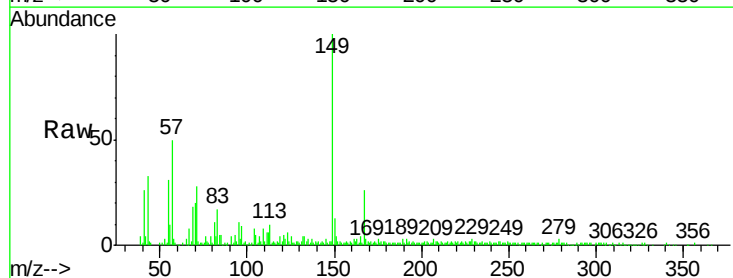
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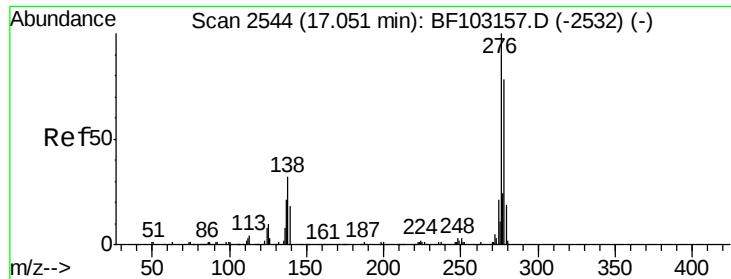
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.473 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF103390.D
 Acq: 3 Mar 2018 2:19

Tgt Ion:	149	Resp:	69710
Ion Ratio	Lower	Upper	
149	100		
167	25.9	21.3	31.9
279	3.4	3.0	4.4





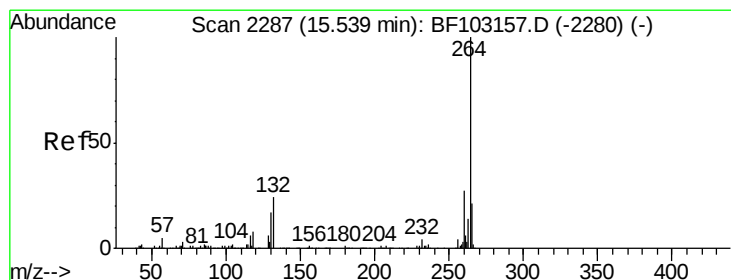
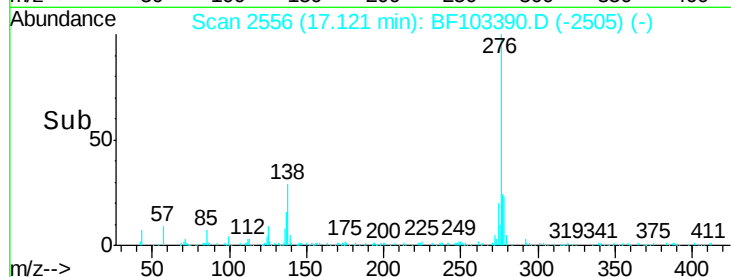
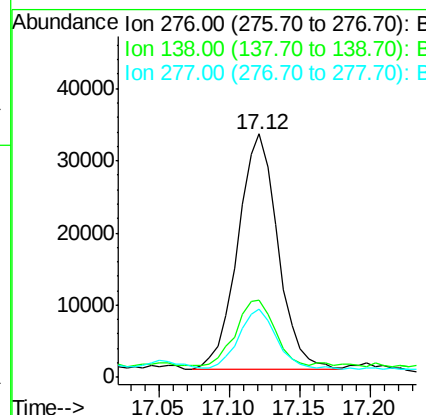
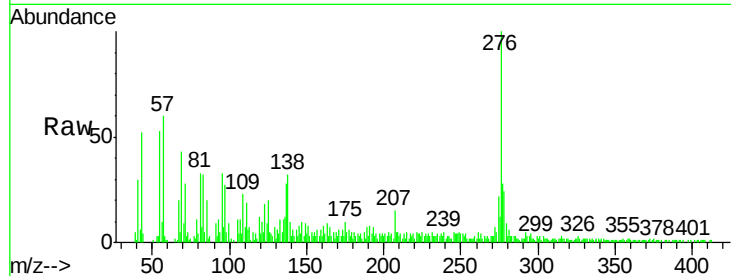
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.626 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.00 min
Lab File: BF103390.D
Acq: 3 Mar 2018 2:19

Instrument :
BNA_F
ClientSampleId :
SP-22

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.9	25.0	37.6
277	25.0	20.1	30.1

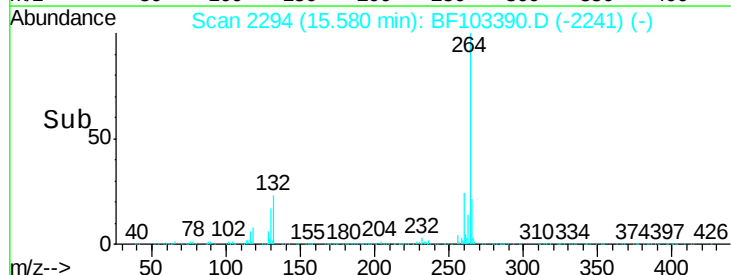
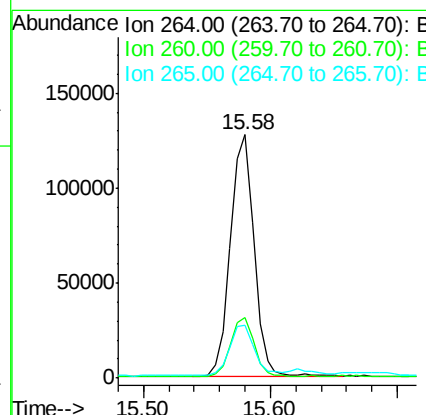
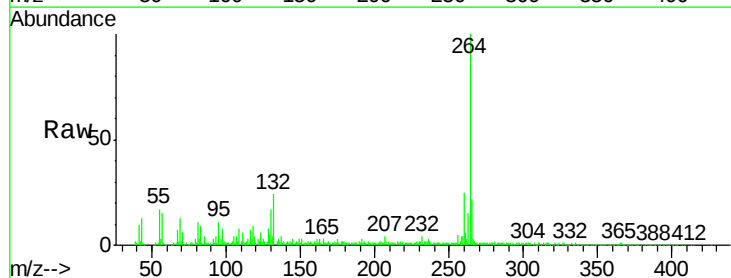
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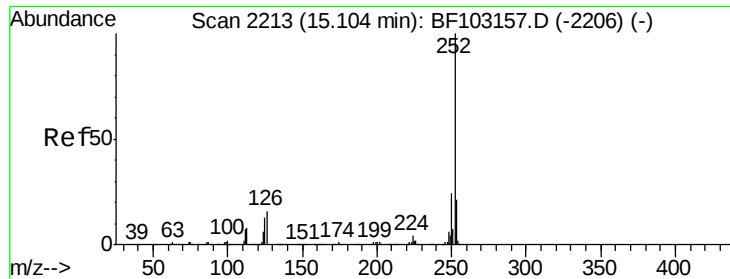
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103390.D
Acq: 3 Mar 2018 2:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.7	17.5	26.3





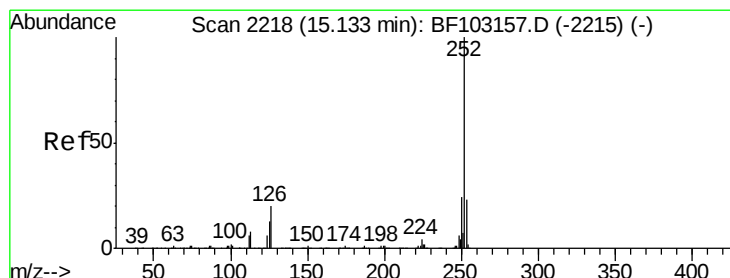
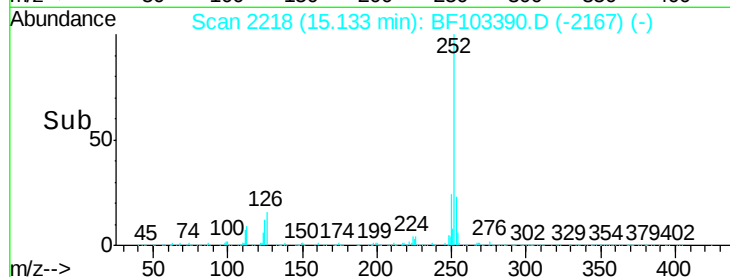
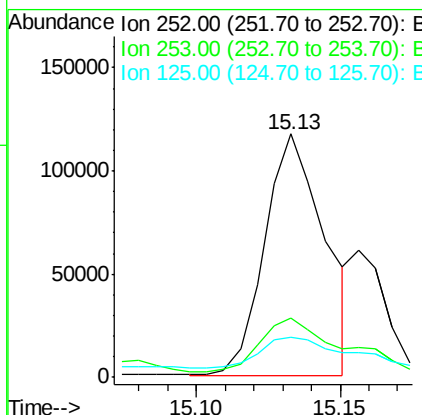
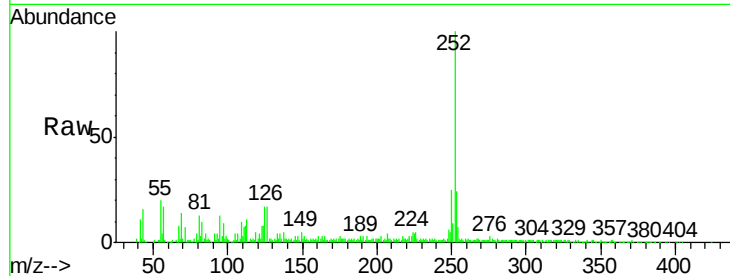
#87
Benzo(b)fluoranthene
Concen: 15.590 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF103390.D
Acq: 3 Mar 2018 2:19

Instrument :
BNA_F
ClientSampleId :
SP-22

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	16.7	9.0	13.6

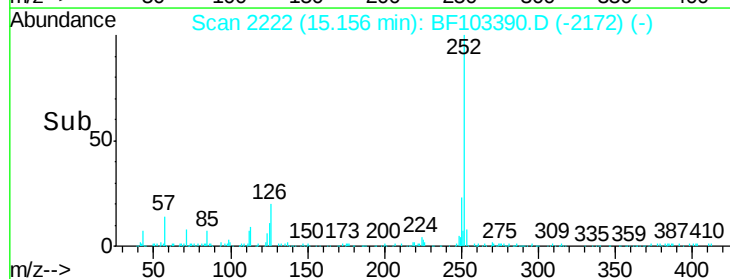
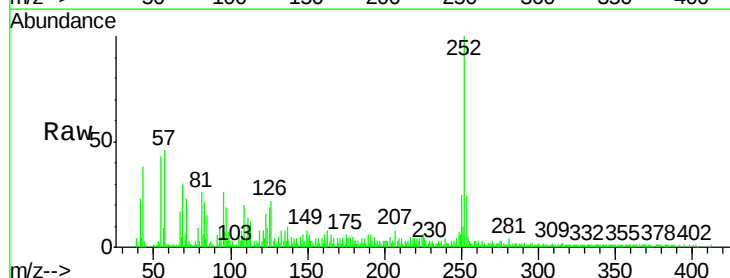
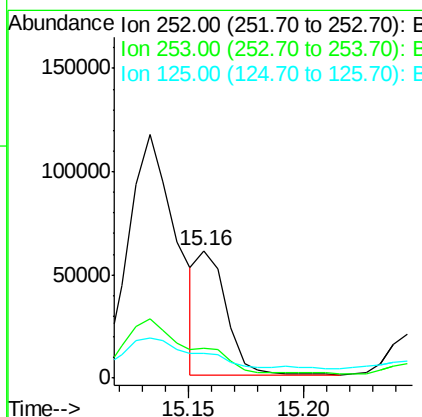
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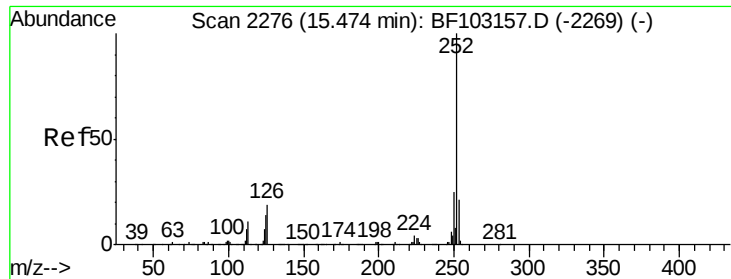
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#88
Benzo(k)fluoranthene
Concen: 5.119 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF103390.D
Acq: 3 Mar 2018 2:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	19.3	10.2	15.2





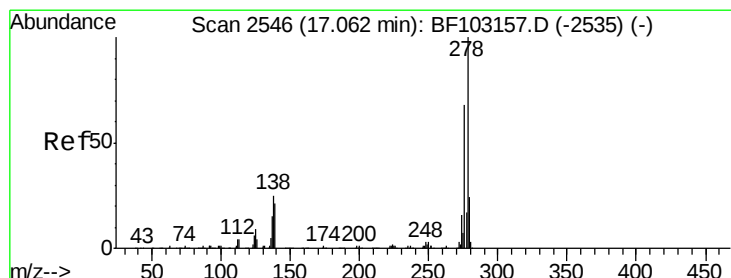
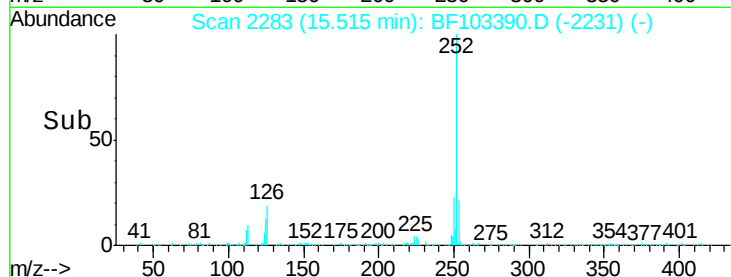
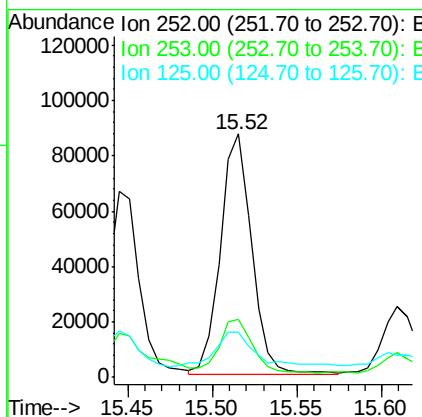
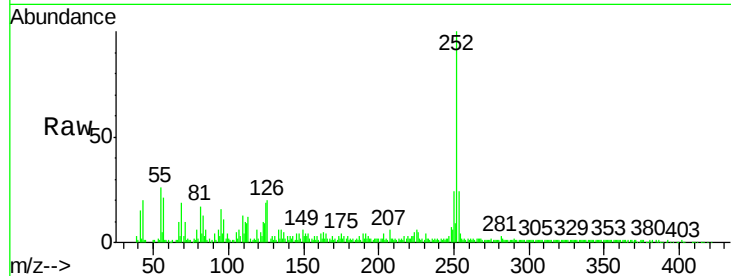
#89
Benzo(a)pyrene
Concen: 11.470 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF103390.D
Acq: 3 Mar 2018 2:19

Instrument :
BNA_F
ClientSampleId :
SP-22

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	18.5	9.8	14.6

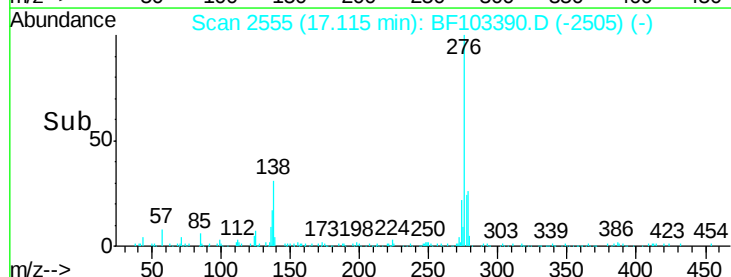
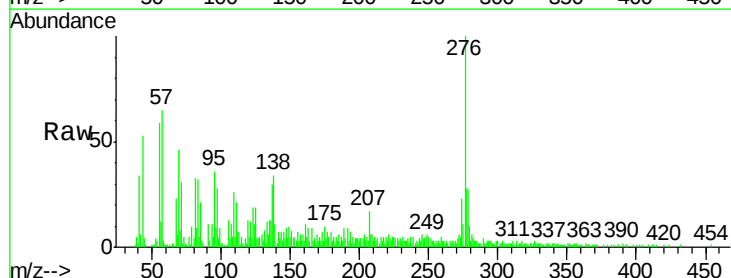
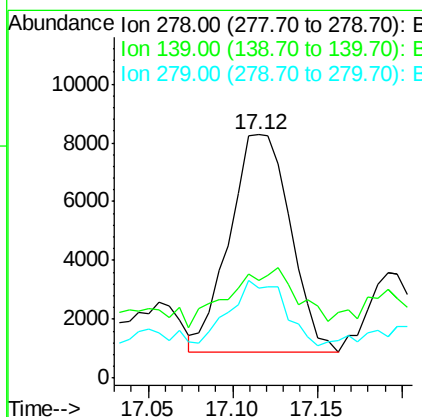
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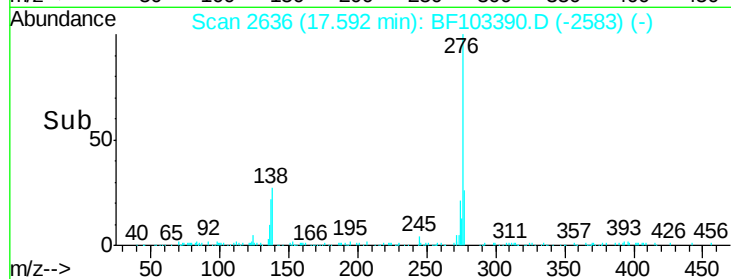
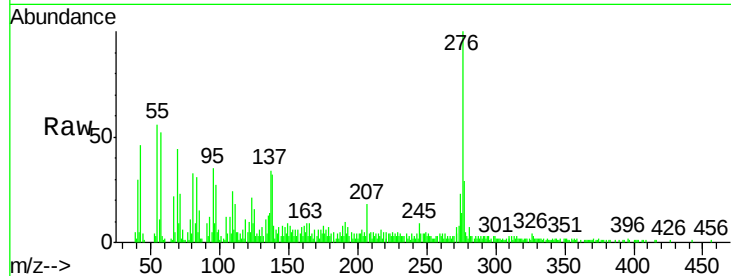
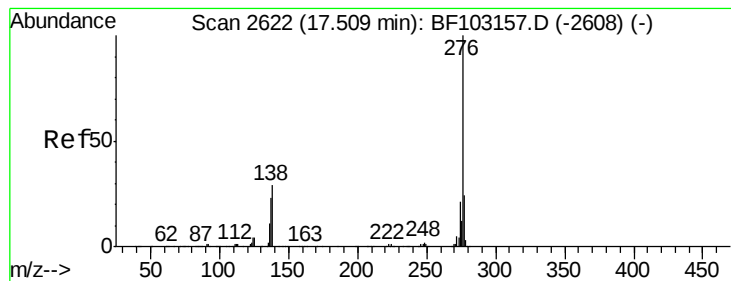
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#90
Dibenzo(a,h)anthracene
Concen: 2.466 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BF103390.D
Acq: 3 Mar 2018 2:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	40.0	15.9	23.9
279	36.8	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 8.760 ng

RT: 17.59 min Scan# 2636

Delta R.T. 0.01 min

Lab File: BF103390.D

Acq: 3 Mar 2018 2:19

Instrument :

BNA_F

ClientSampleId :

SP-22

Tot Ion: 276 Resp: 64219

Ion Ratio Lower Upper

276 100

277 29.1 17.9 26.9#

138 32.4 21.8 32.8

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