

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103388.D
 Acq On : 3 Mar 2018 1:26
 Operator : SJ/JU
 Sample : J1724-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-16

Manual Integrations
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Sohil
 3/5/2018 3:14:11 PM

Quant Time: Mar 05 04:23:52 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	6.87	152	162159	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	674087	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	270505	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	381898	20.00	ng	0.00
75) Chrysene-d12	14.07	240	222148	20.00	ng	0.00
86) Perylene-d12	15.59	264	174988	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1085028	101.20	ng	0.00
7) Phenol-d6	6.52	99	1331901	101.52	ng	0.00
23) Nitrobenzene-d5	7.45	82	856249	72.54	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	173184	75.64	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1100485	66.49	ng	0.00
78) Terphenyl-d14	13.00	244	684170	74.03	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.78	152	72580	2.631	ng	99
49) Dimethylphthalate	9.63	163	97767	4.505	ng	99
57) Fluorene	10.47	166	44794	2.381	ng	# 97
70) Phenanthrene	11.44	178	701017	33.355	ng	99
71) Anthracene	11.49	178	231255	10.730	ng	100
74) Fluoranthene	12.64	202	1152524	54.571	ng	98
77) Pyrene	12.87	202	1133069	65.420	ng	99
80) Benzo(a)anthracene	14.06	228	592263m	41.090	ng	
82) Chrysene	14.10	228	559598m	39.984	ng	
85) Indeno(1,2,3-cd)pyrene	17.13	276	160108	14.450	ng	96
87) Benzo(b)fluoranthene	15.14	252	469776m	40.831	ng	
88) Benzo(k)fluoranthene	15.16	252	157826m	14.568	ng	
89) Benzo(a)pyrene	15.52	252	323739	31.510	ng	# 95
90) Dibenzo(a,h)anthracene	17.13	278	46002	5.794	ng	# 77
91) Benzo(a,h,i)perylene	17.60	276	145722	18.781	ng	94

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

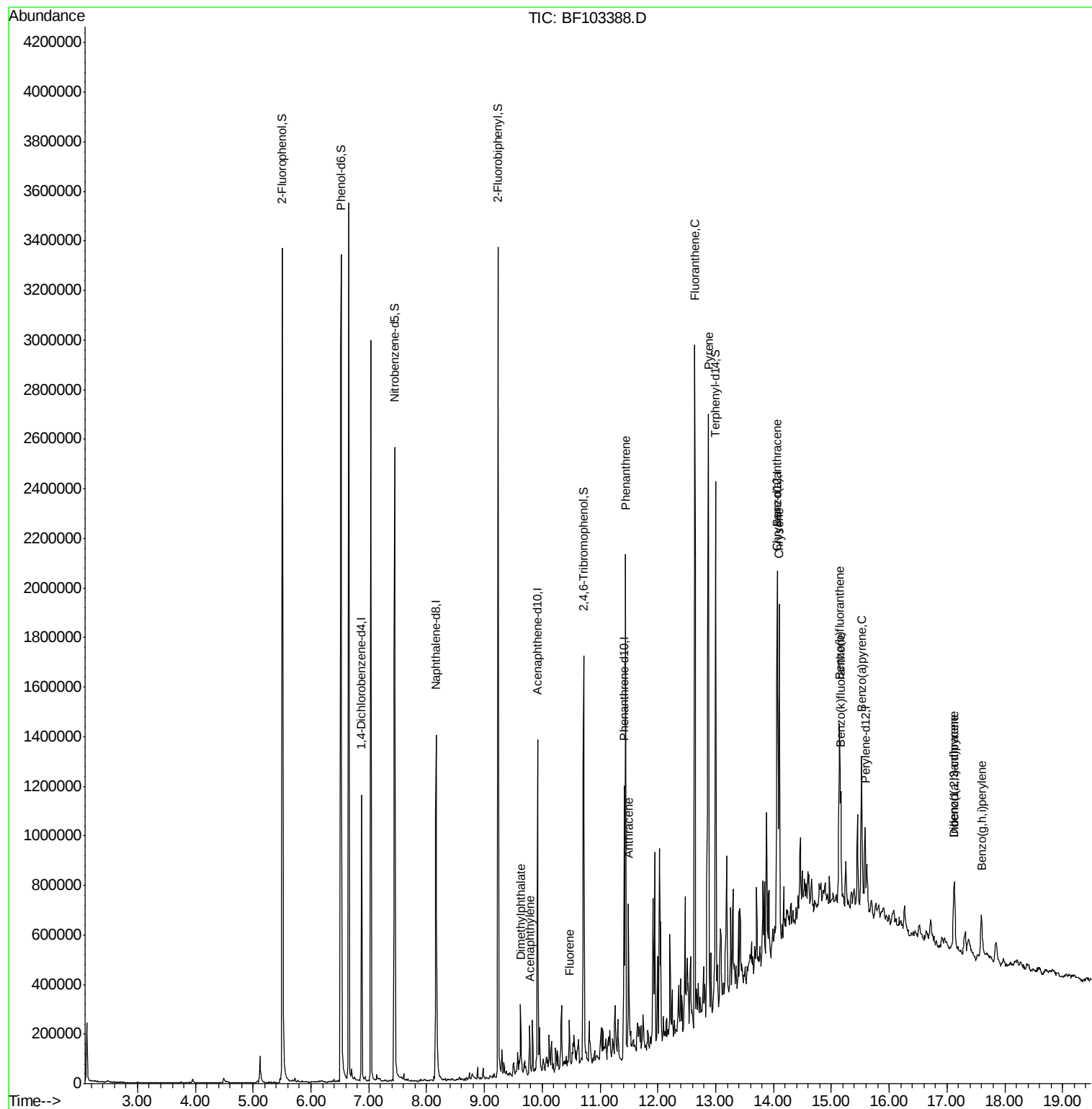
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
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#1

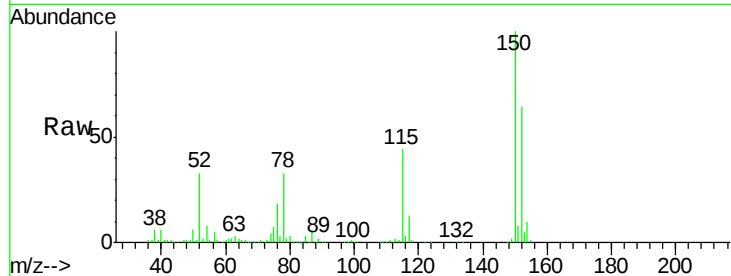
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103388.D
Acq: 3 Mar 2018 1:26

Instrument :
BNA_F
ClientSampled :
SP-16

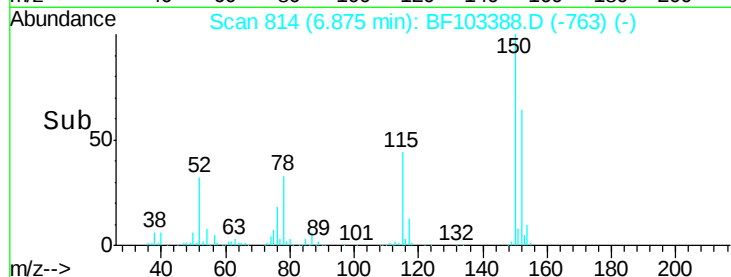
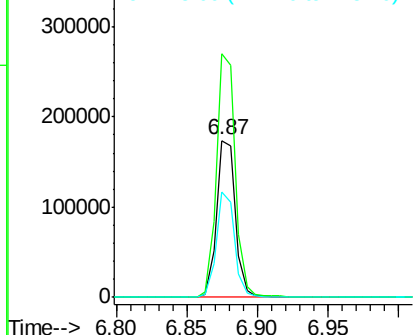
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	67.6	50.1	75.1

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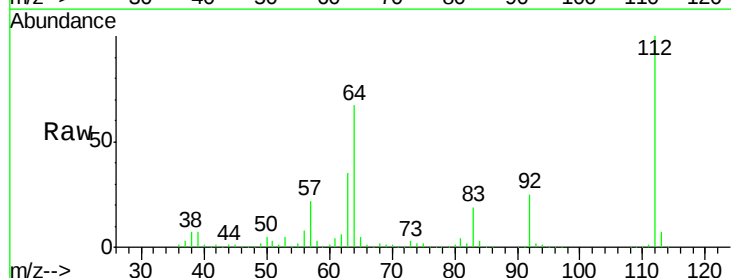
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



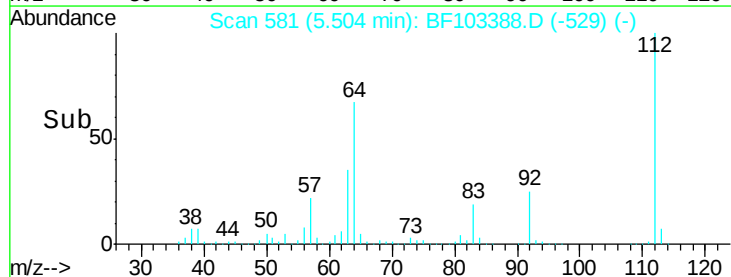
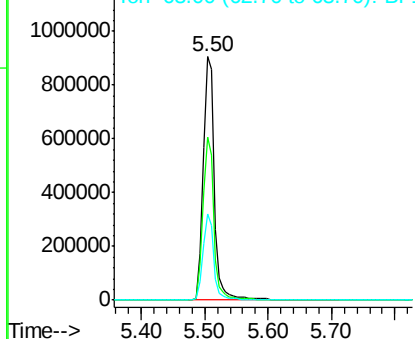
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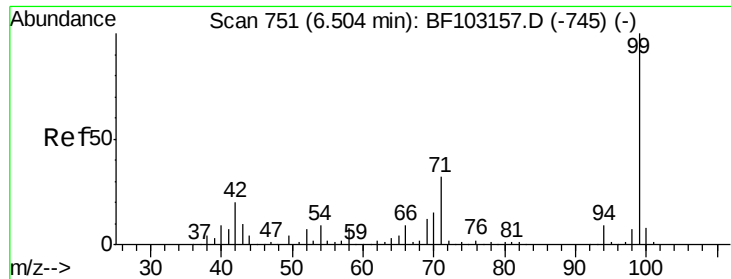
2-Fluorophenol
Concen: 101.199 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103388.D
Acq: 3 Mar 2018 1:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	47.9	71.9
63	35.2	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: 101.519 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF103388.D

Acq: 3 Mar 2018 1:26

Instrument :

BNA_F

ClientSampled :

SP-16

Tot Ion: 99 Resp: 1331901

Ion Ratio Lower Upper

99 100

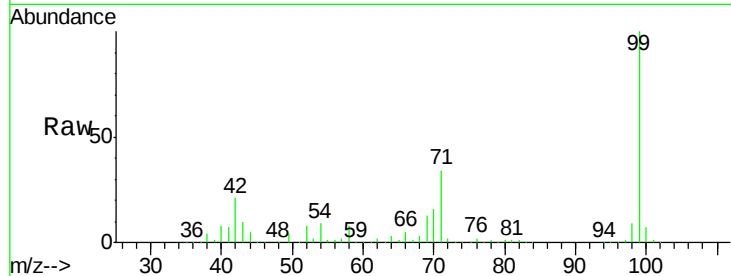
42 20.8 14.5 21.7

71 34.2 25.4 38.0

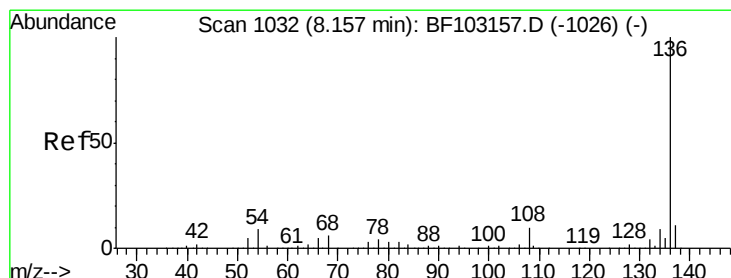
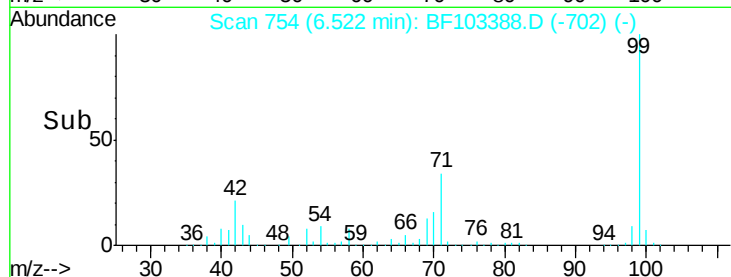
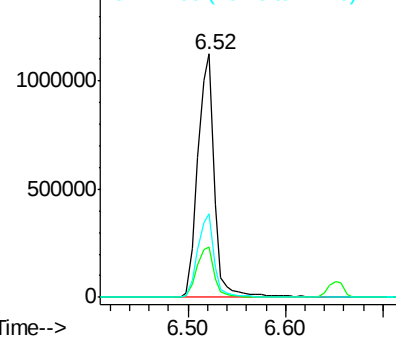
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF103388.D

Acq: 3 Mar 2018 1:26

Tgt Ion: 136 Resp: 674087

Ion Ratio Lower Upper

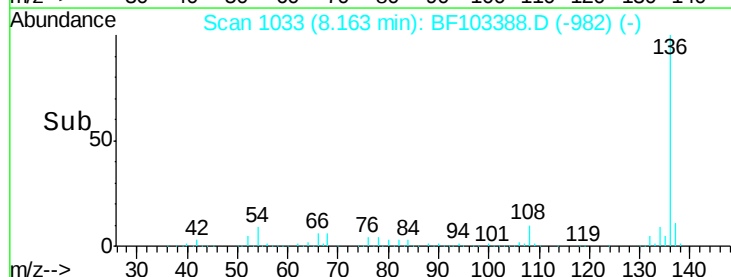
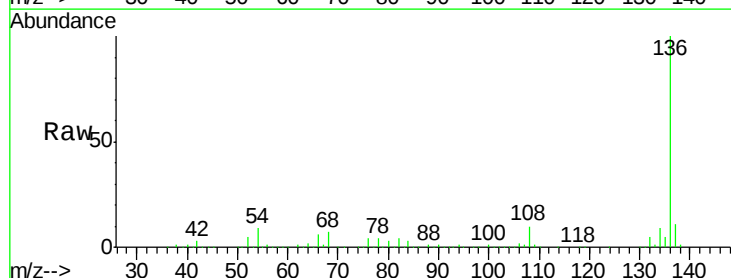
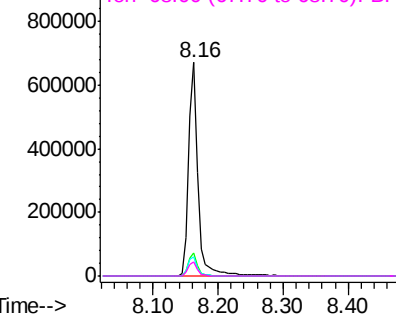
136 100

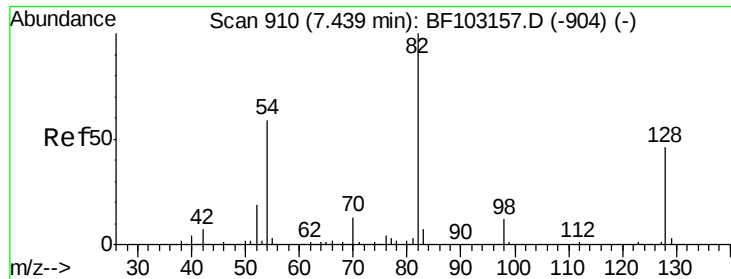
137 11.0 8.9 13.3

54 9.1 6.6 9.8

68 6.5 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





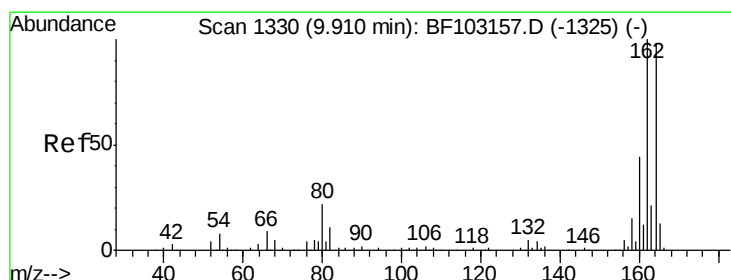
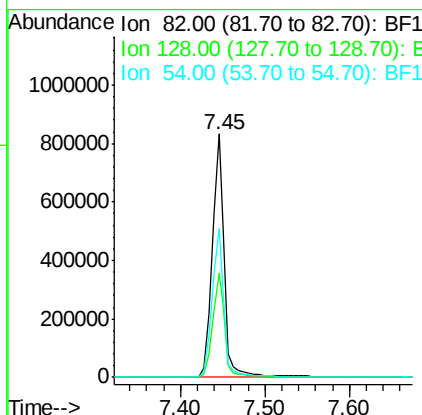
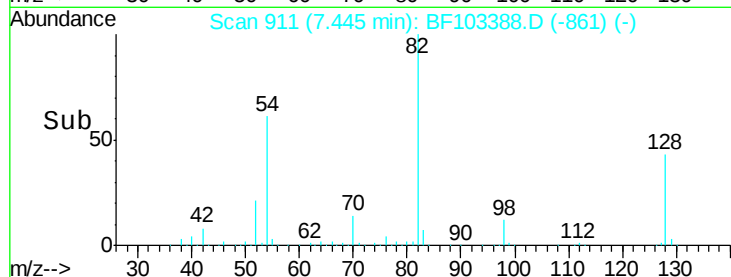
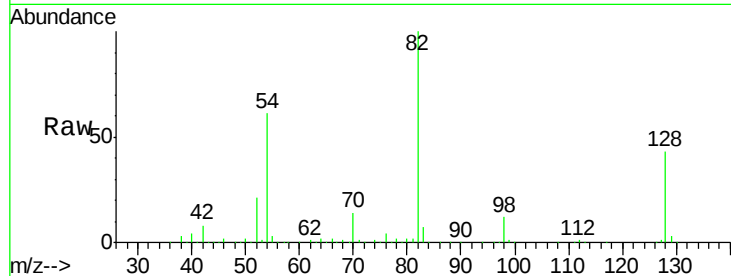
#23
Nitrobenzene-d5
Concen: 72.541 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF103388.D
Acq: 3 Mar 2018 1:26

Instrument :
BNA_F
ClientSampled :
SP-16

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.0	36.1	54.1	
54	61.3	41.4	62.2	

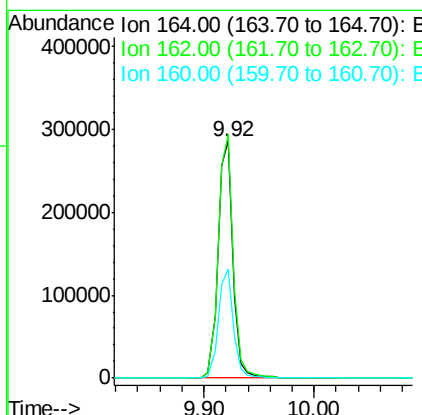
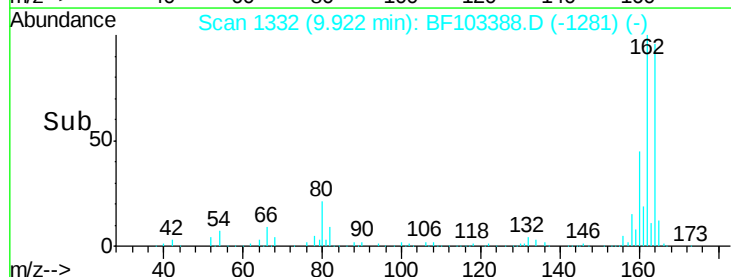
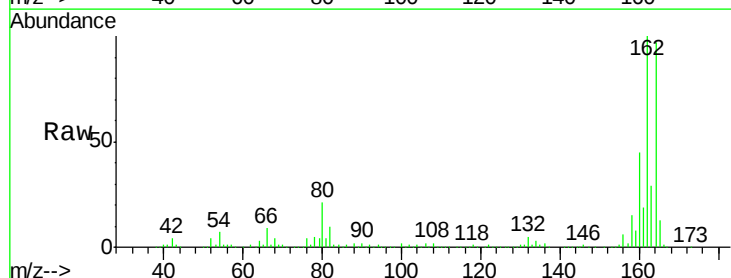
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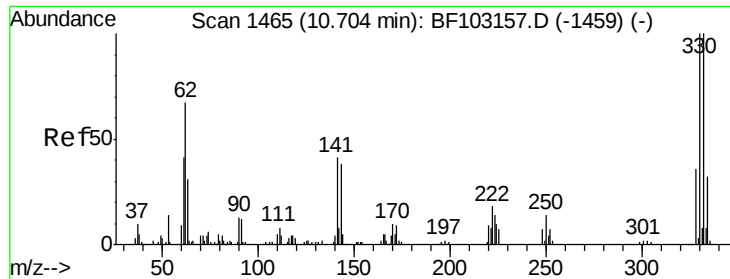
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF103388.D
Acq: 3 Mar 2018 1:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.8	86.1	129.1	
160	46.2	38.3	57.5	





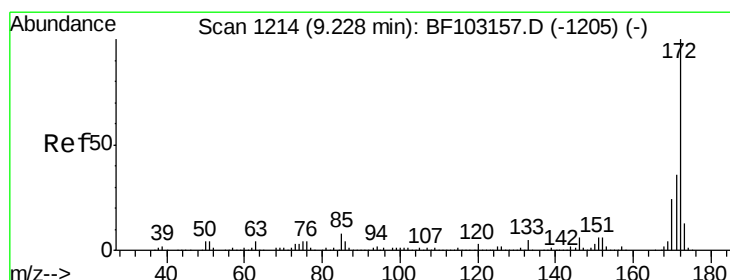
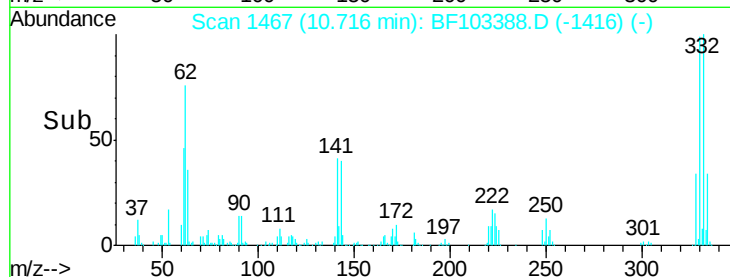
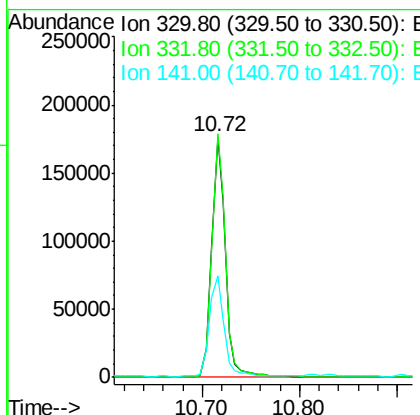
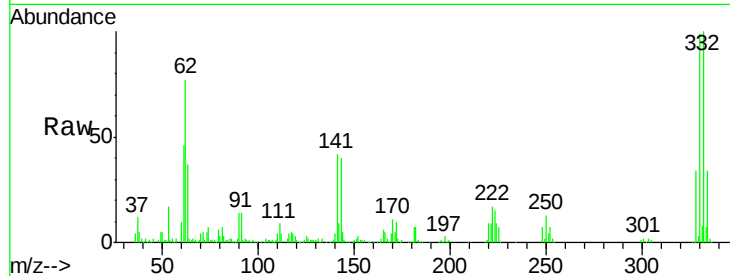
#41
 2,4,6-Tribromophenol
 Concen: 75.637 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BF103388.D
 Acq: 3 Mar 2018 1:26

Instrument :
 BNA_F
 ClientSampleId :
 SP-16

Tot Ion	Ratio	Resp	Lower	Upper
330	100	173184		
332	101.1	77.0	115.6	
141	44.9	29.9	44.9#	

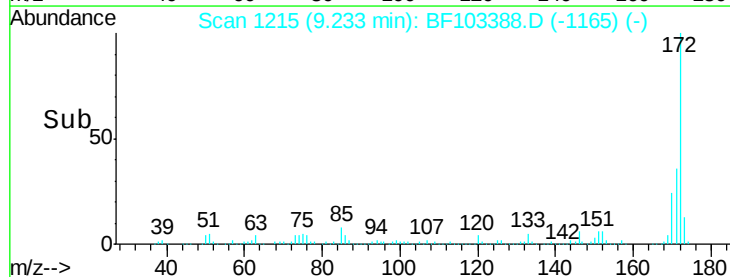
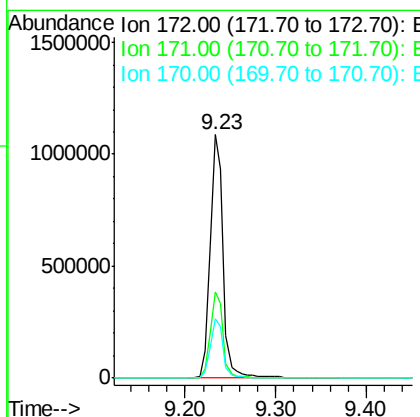
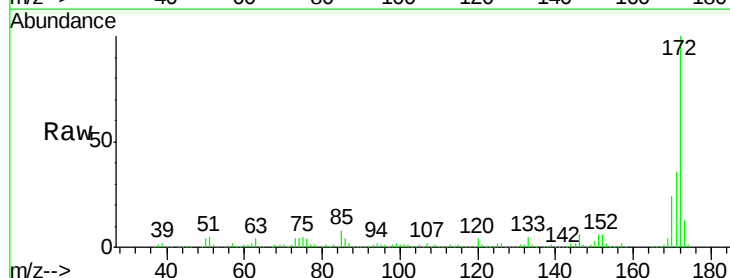
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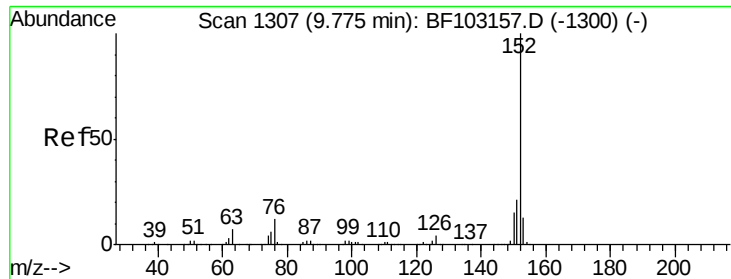
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#44
 2-Fluorobiphenyl
 Concen: 66.487 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103388.D
 Acq: 3 Mar 2018 1:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1100485		
171	35.5	29.7	44.5	
170	24.5	19.6	29.4	





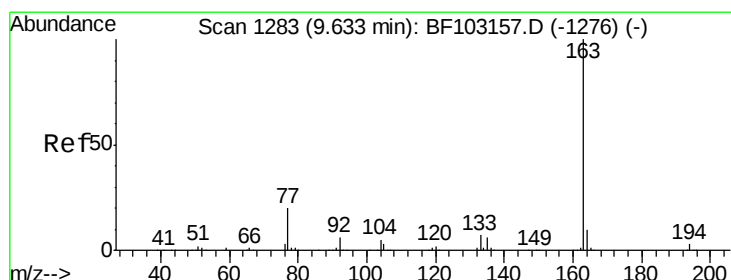
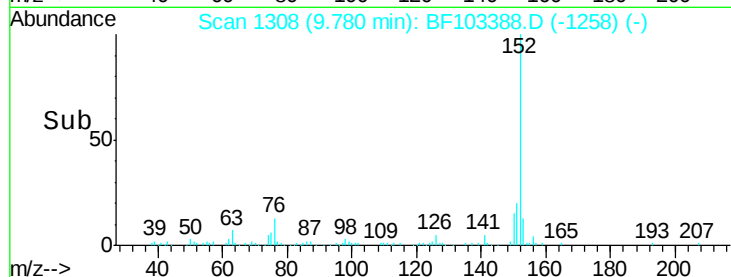
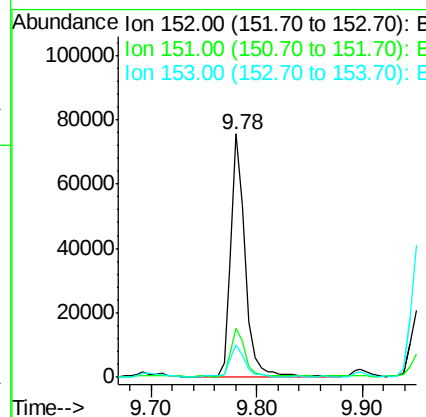
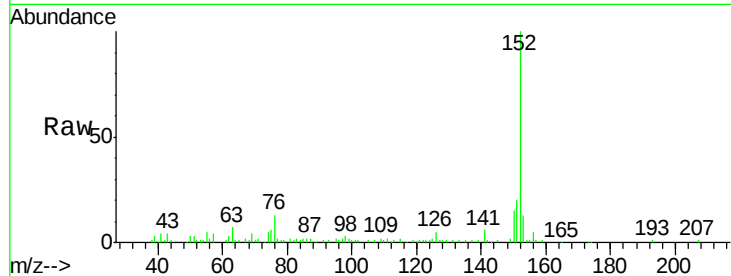
#48
Acenaphthylene
Concen: 2.631 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF103388.D
Acq: 3 Mar 2018 1:26

Instrument :
BNA_F
ClientSampled :
SP-16

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.1	10.7	16.1

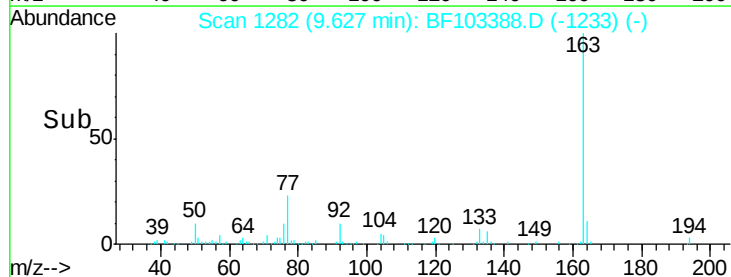
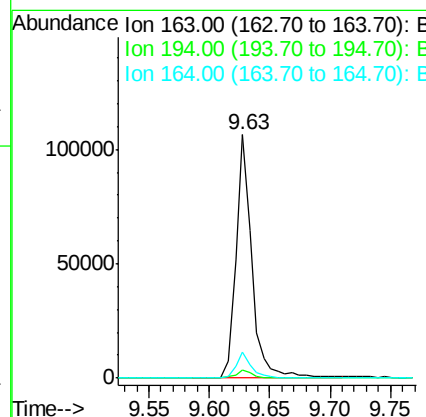
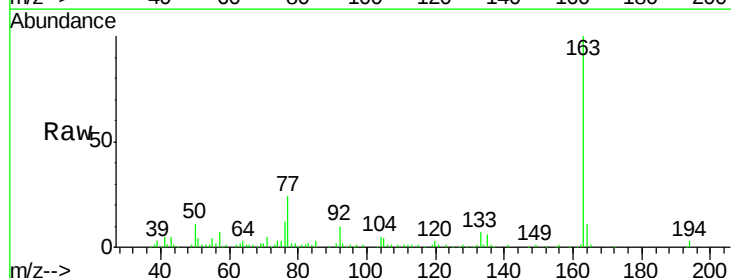
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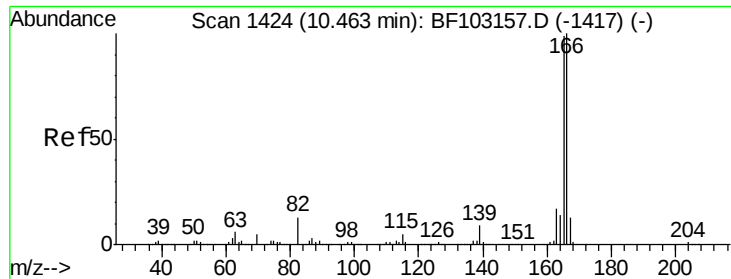
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#49
Dimethylphthalate
Concen: 4.505 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103388.D
Acq: 3 Mar 2018 1:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	10.8	8.2	12.2





#57

Fluorene

Concen: 2.381 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BF103388.D

Acq: 3 Mar 2018 1:26

Instrument :

BNA_F

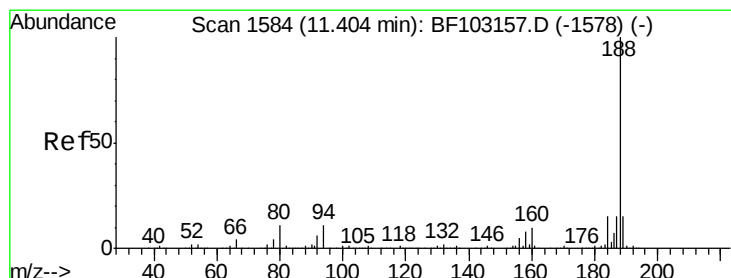
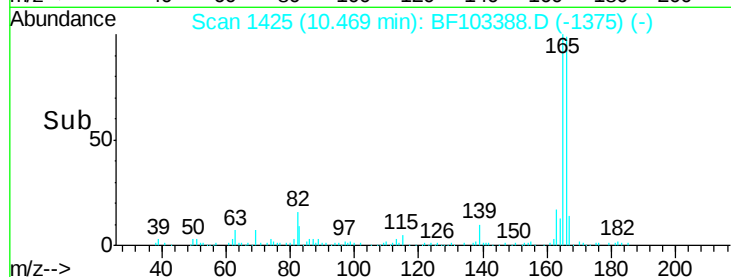
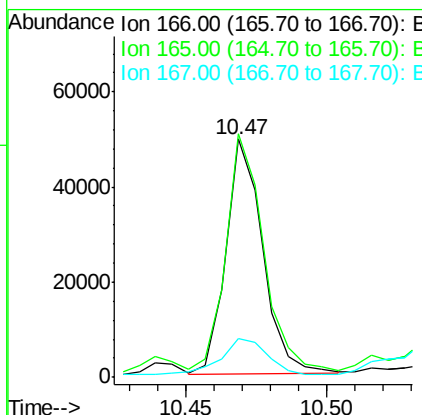
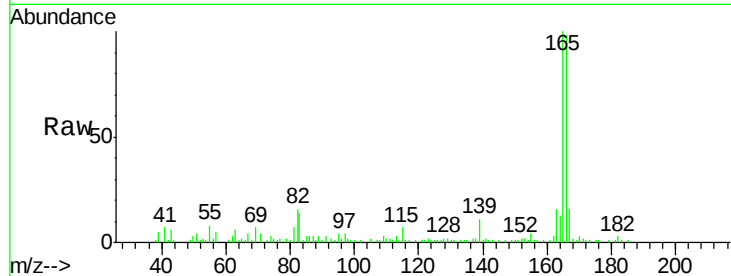
ClientSampleId :

SP-16

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	102.2	79.8	119.8		
167	16.1	10.6	16.0		

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

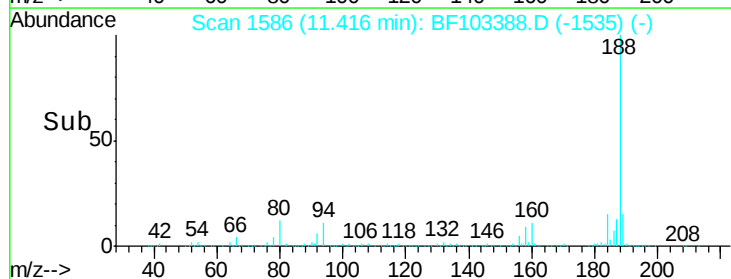
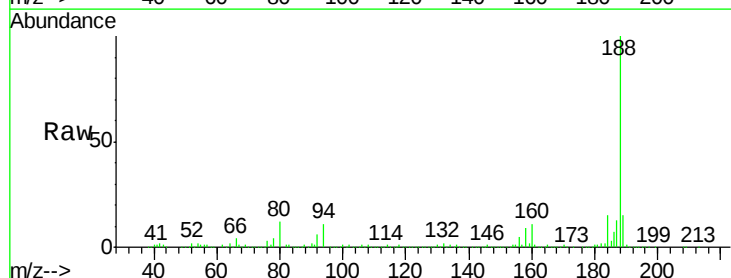
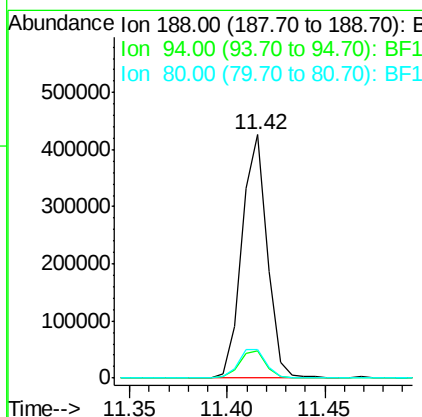
RT: 11.42 min Scan# 1586

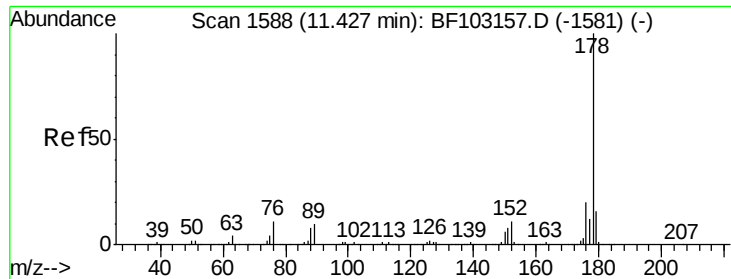
Delta R.T. -0.00 min

Lab File: BF103388.D

Acq: 3 Mar 2018 1:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	11.0	8.5	12.7		
80	12.0	9.2	13.8		





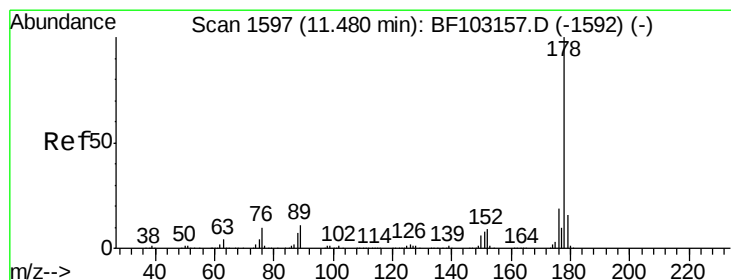
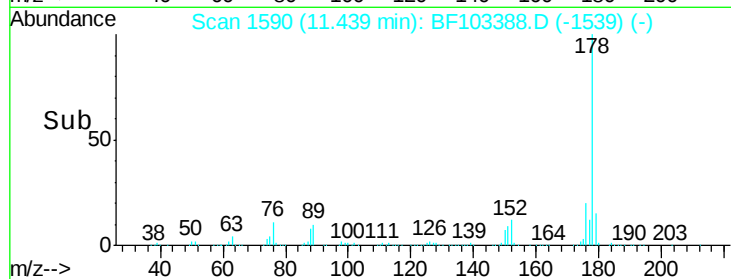
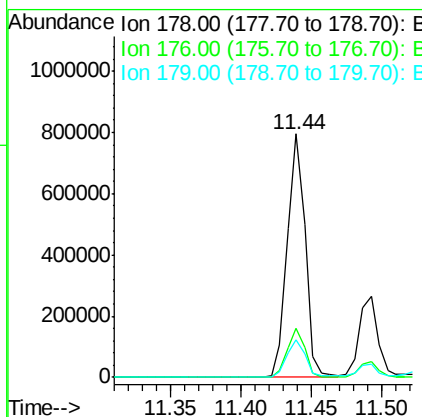
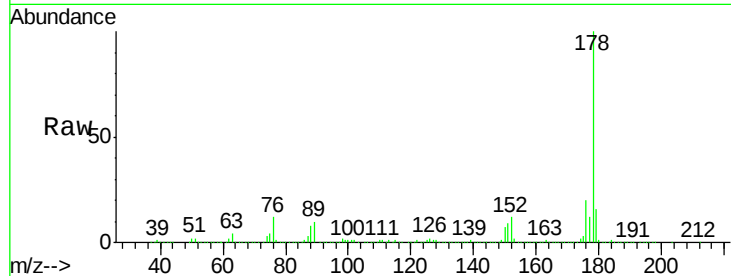
#70
Phenanthrene
Concen: 33.355 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF103388.D
Acq: 3 Mar 2018 1:26

Instrument :
BNA_F
ClientSampled :
SP-16

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.5	13.0	19.6

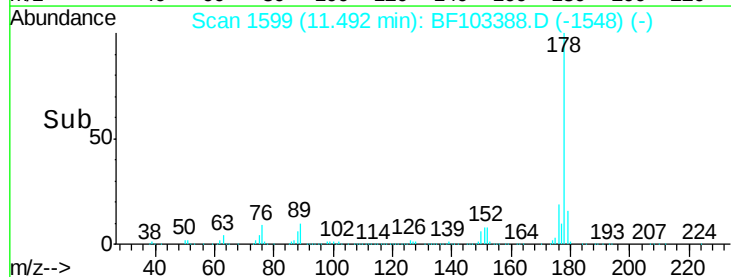
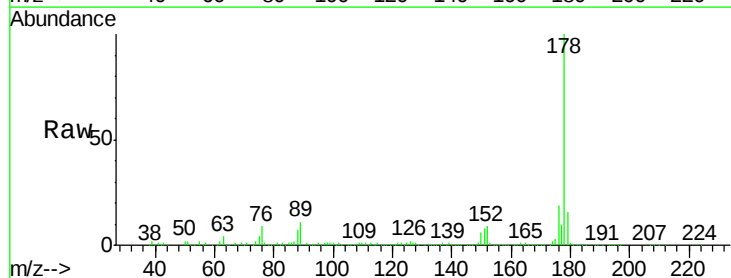
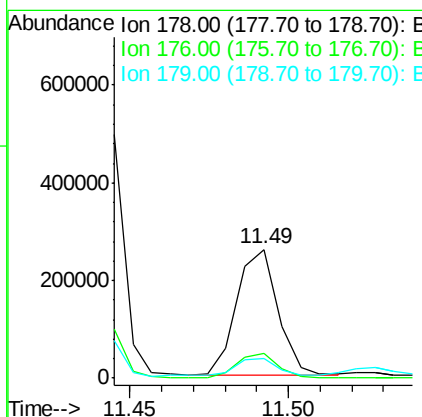
Manual Integrations
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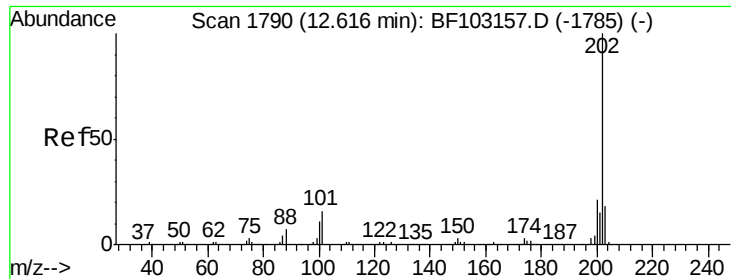
Sohil
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#71
Anthracene
Concen: 10.730 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.00 min
Lab File: BF103388.D
Acq: 3 Mar 2018 1:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.7	12.6	19.0





#74

Fluoranthene

Concen: 54.571 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF103388.D

Acq: 3 Mar 2018 1:26

Instrument :

BNA_F

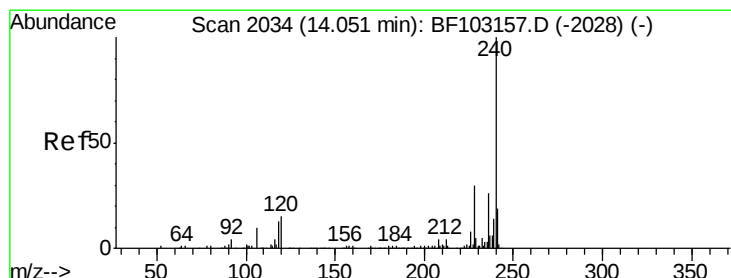
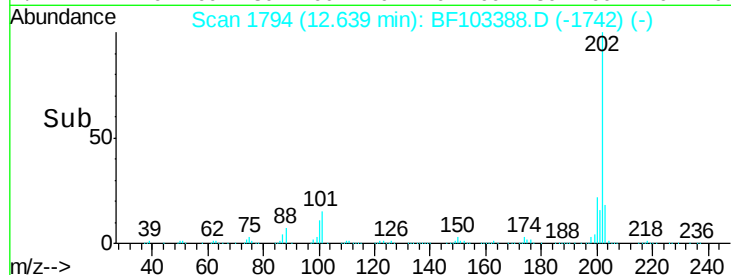
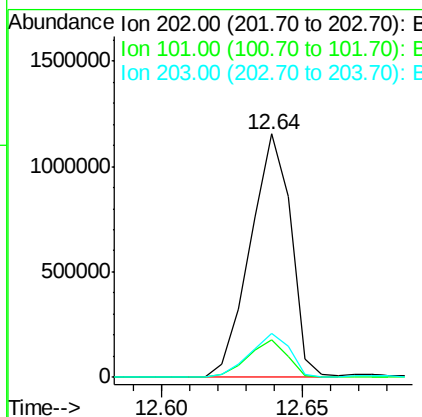
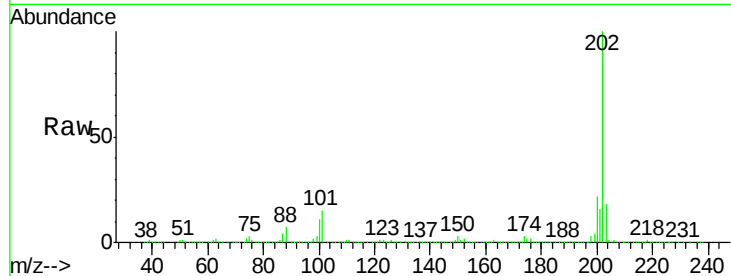
ClientSampled :

SP-16

Tot Ion:	202	Resp:	1152524
Ion Ratio	Lower	Upper	
202	100		
101	15.3	0.0	34.1
203	17.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

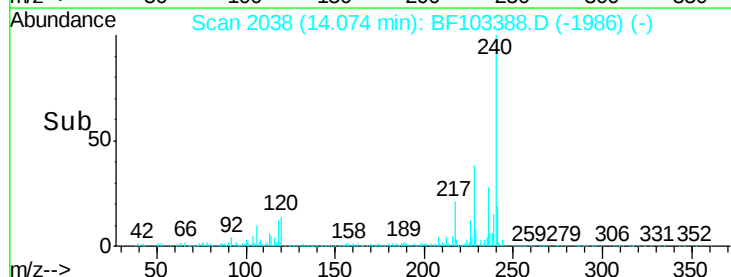
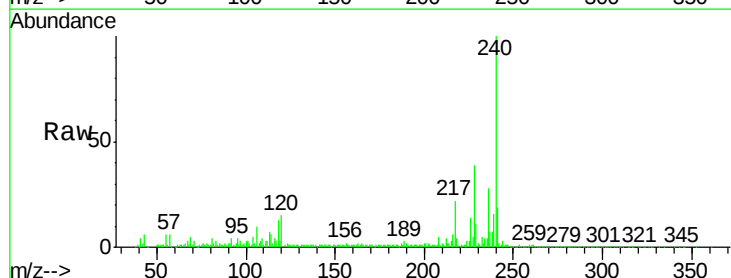
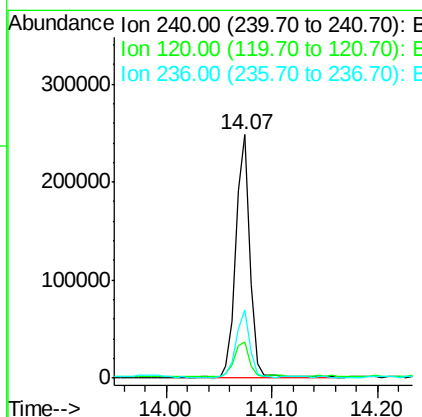
RT: 14.07 min Scan# 2038

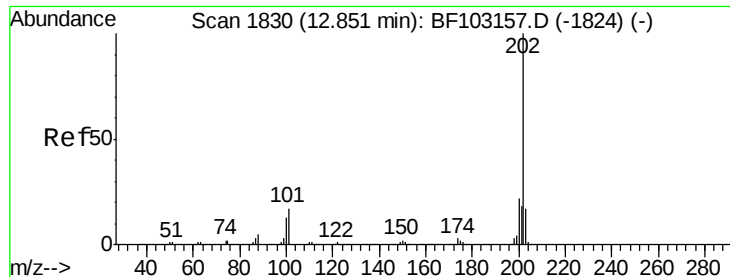
Delta R.T. 0.01 min

Lab File: BF103388.D

Acq: 3 Mar 2018 1:26

Tgt Ion:	240	Resp:	222148
Ion Ratio	Lower	Upper	
240	100		
120	14.7	9.5	14.3#
236	28.0	20.7	31.1





#77

Pvrene

Concen: 65.420 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF103388.D

Acq: 3 Mar 2018 1:26

Instrument :

BNA_F

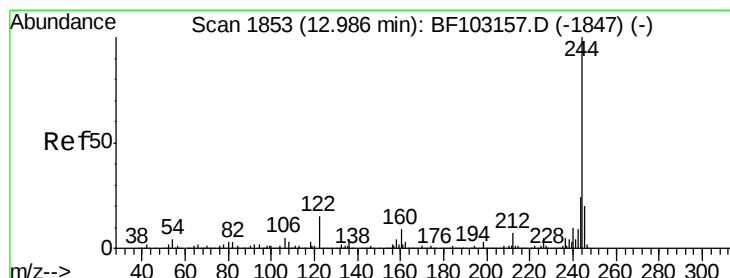
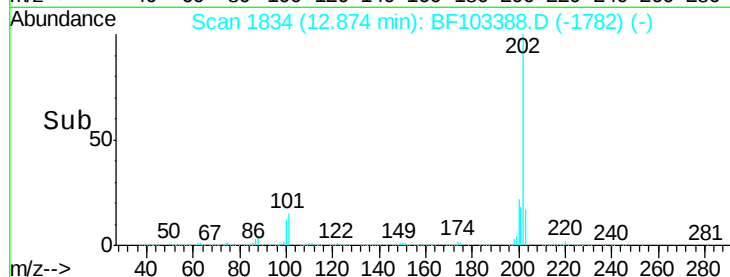
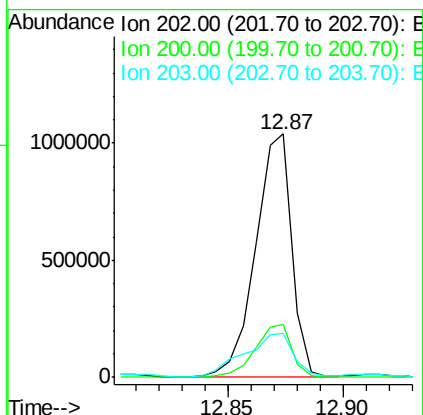
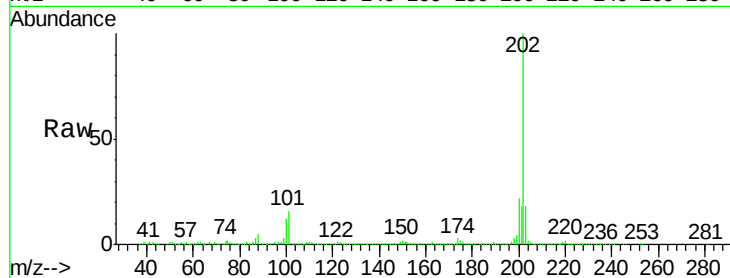
ClientSampled :

SP-16

Tot Ion:	202	Resp:	1133069
Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.2	14.3	21.5

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#78

Terphenyl-d14

Concen: 74.034 ng

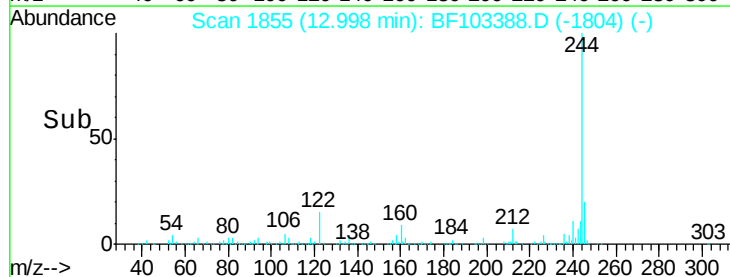
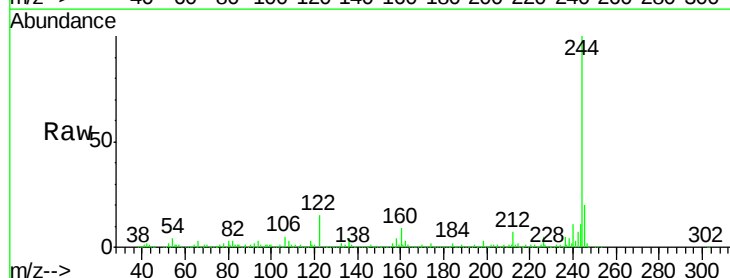
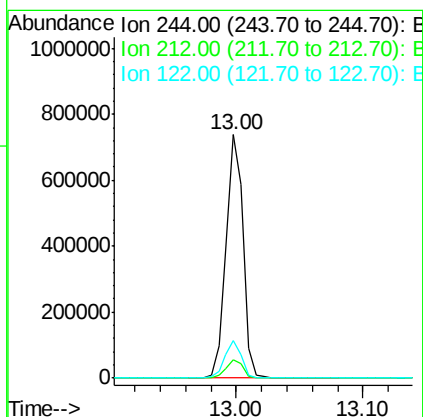
RT: 13.00 min Scan# 1855

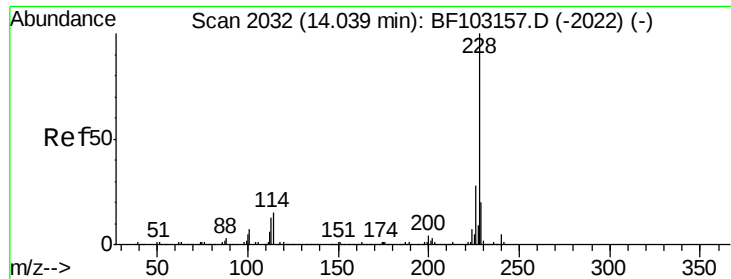
Delta R.T. -0.00 min

Lab File: BF103388.D

Acq: 3 Mar 2018 1:26

Tgt Ion:	244	Resp:	684170
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	15.4	11.0	16.4





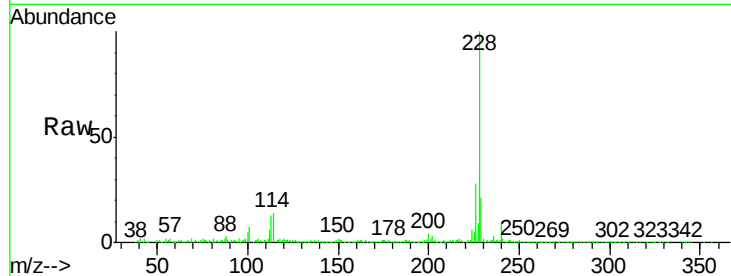
#80
Benzo(a)anthracene
Concen: 41.090 ng m
RT: 14.06 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BF103388.D
Acq: 3 Mar 2018 1:26

Instrument :
BNA_F
ClientSampled :
SP-16

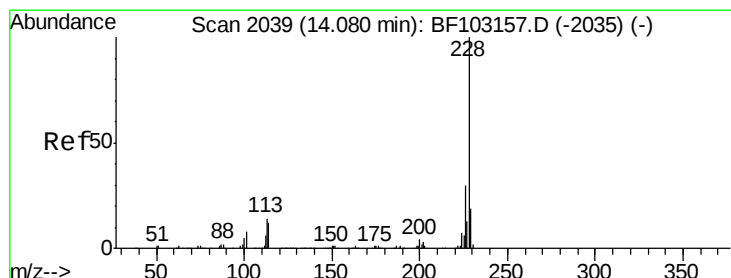
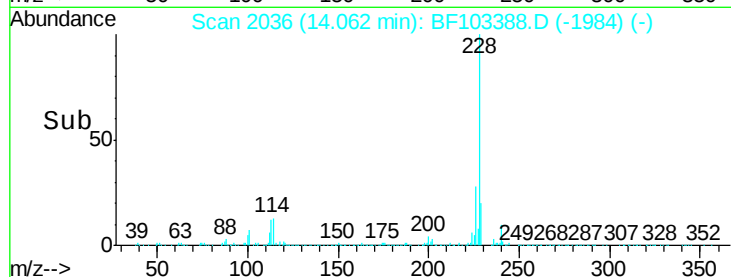
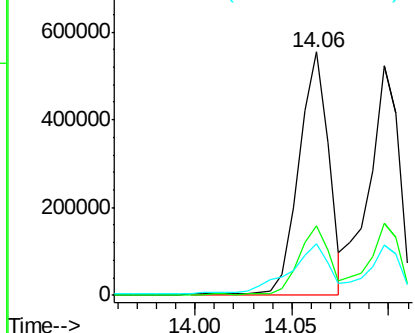
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	21.1	15.8	23.6

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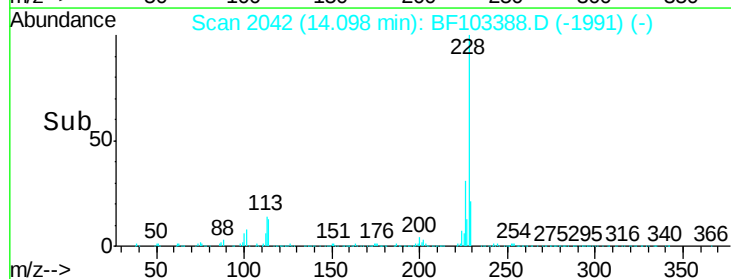
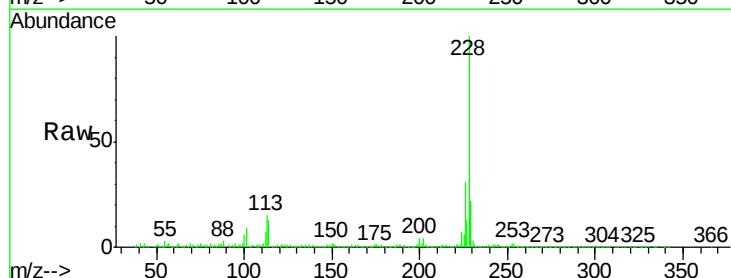
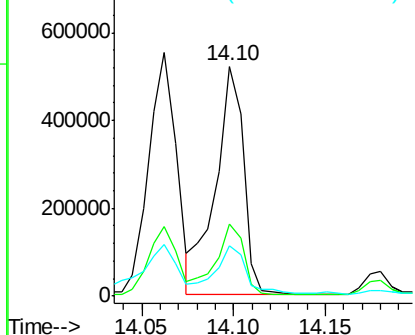
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

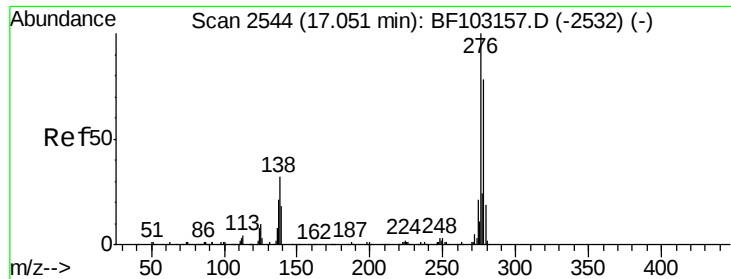


#82
Chrysene
Concen: 39.984 ng m
RT: 14.10 min Scan# 2042
Delta R.T. -0.00 min
Lab File: BF103388.D
Acq: 3 Mar 2018 1:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	21.9	16.2	24.4

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





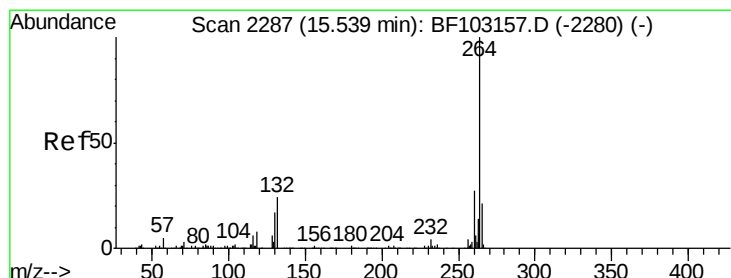
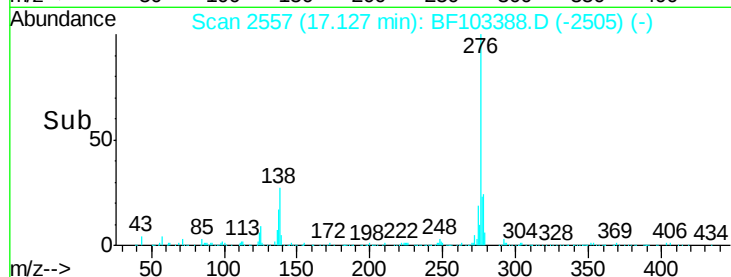
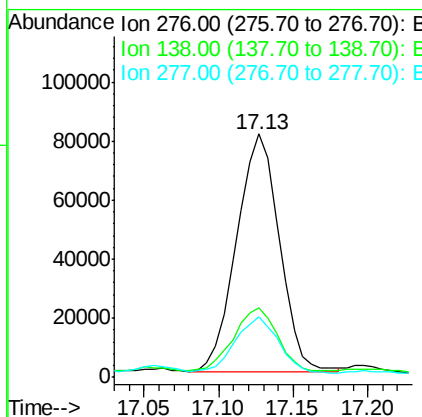
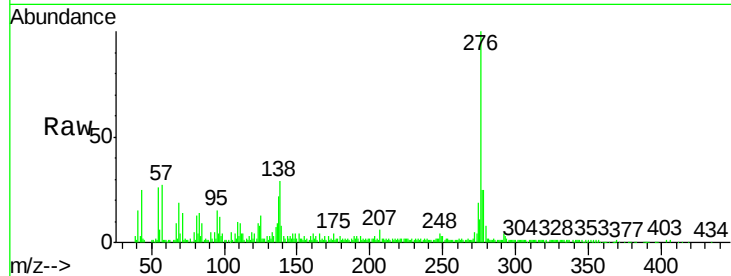
#85
Indeno(1,2,3-cd)pyrene
Concen: 14.450 ng
RT: 17.13 min Scan# 2557
Delta R.T. 0.01 min
Lab File: BF103388.D
Acq: 3 Mar 2018 1:26

Instrument :
BNA_F
ClientSampled :
SP-16

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.4	25.0	37.6
277	24.3	20.1	30.1

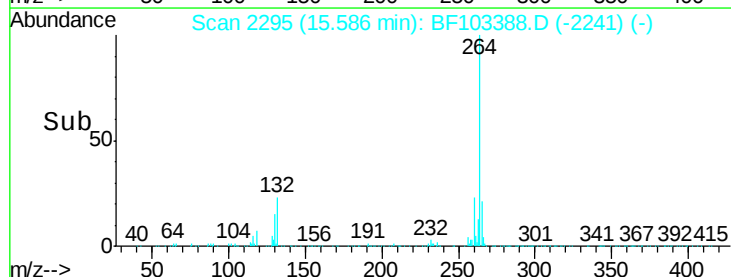
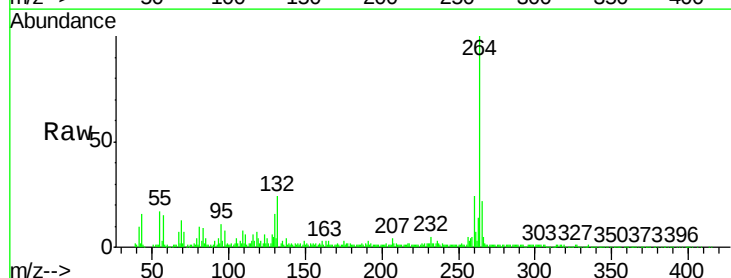
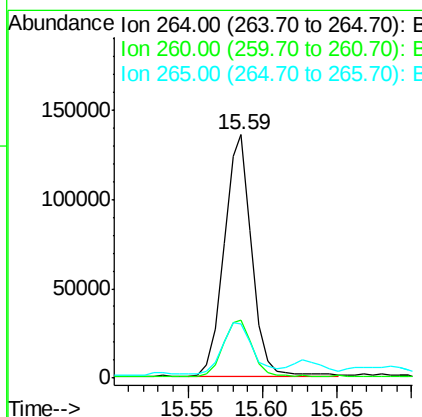
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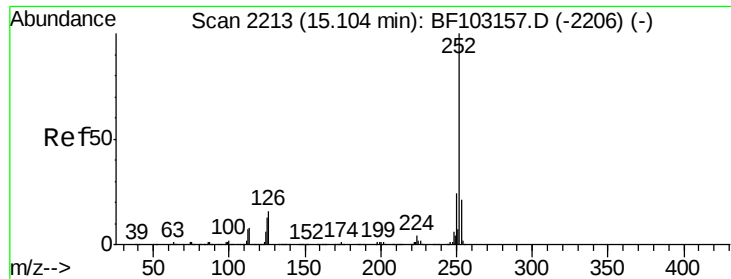
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.02 min
Lab File: BF103388.D
Acq: 3 Mar 2018 1:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.2	17.5	26.3





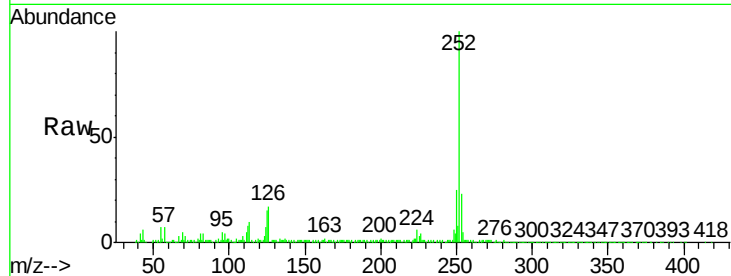
#87
Benzo(b)fluoranthene
Concen: 40.831 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF103388.D
Acq: 3 Mar 2018 1:26

Instrument :
BNA_F
ClientSampleId :
SP-16

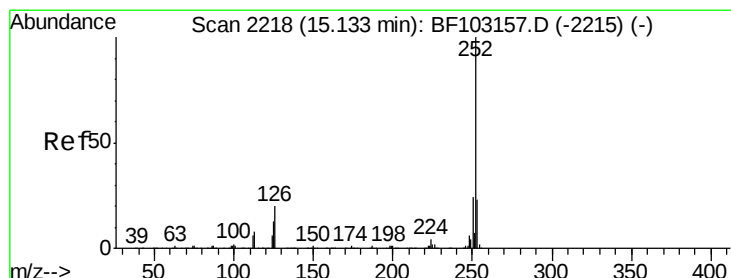
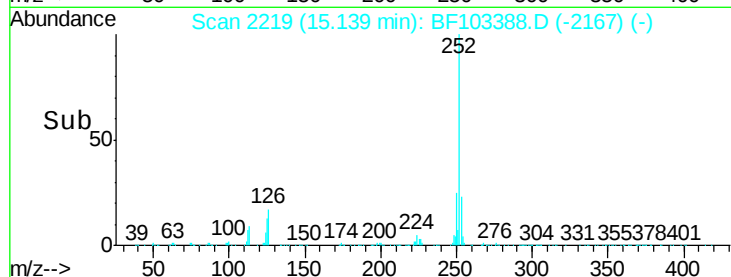
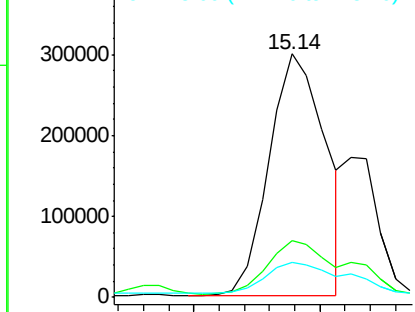
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	14.6	9.0	13.6#

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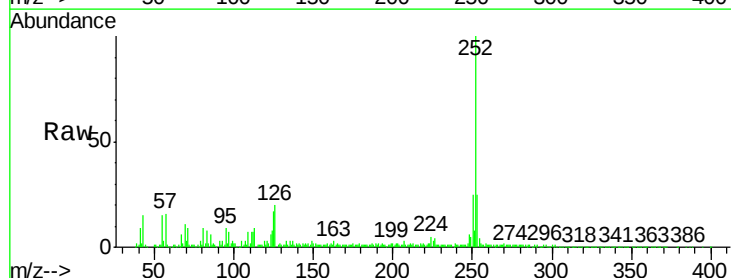


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

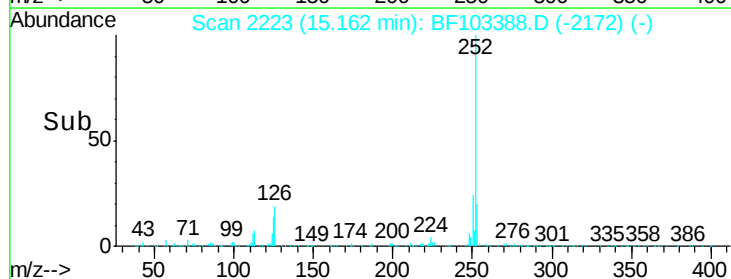
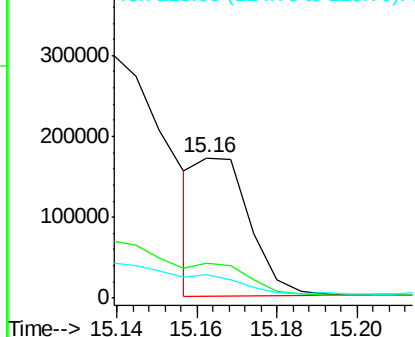


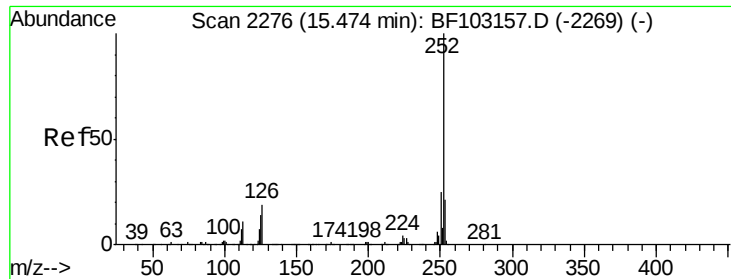
#88
Benzo(k)fluoranthene
Concen: 14.568 ng m
RT: 15.16 min Scan# 2223
Delta R.T. -0.00 min
Lab File: BF103388.D
Acq: 3 Mar 2018 1:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	16.5	10.2	15.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





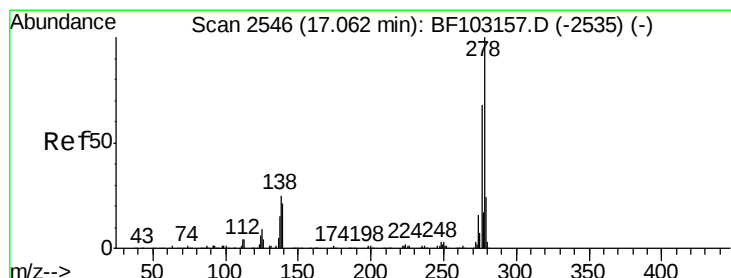
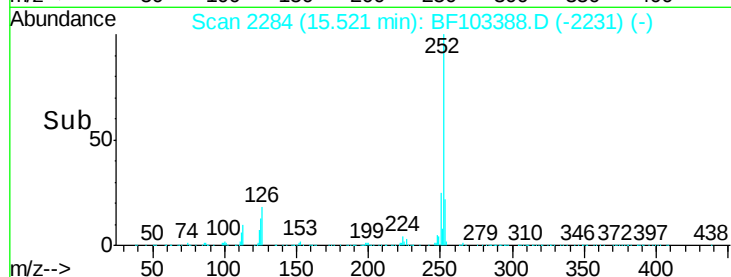
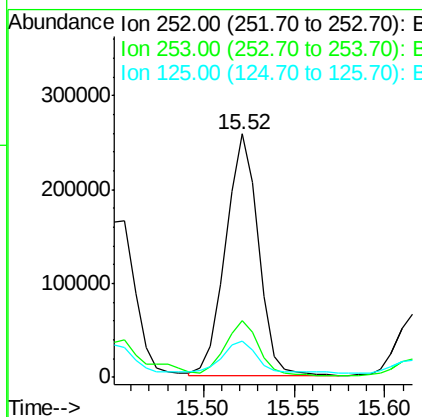
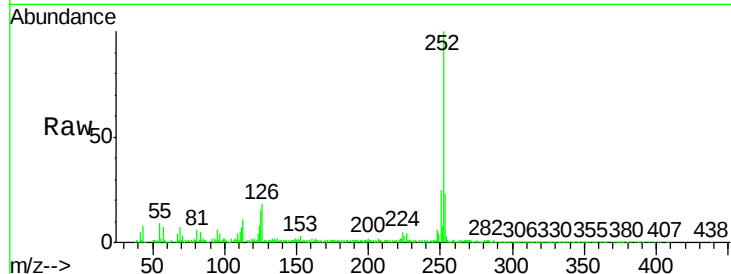
#89
Benzo(a)pyrene
Concen: 31.510 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF103388.D
Acq: 3 Mar 2018 1:26

Instrument :
BNA_F
ClientSampleId :
SP-16

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	15.0	9.8	14.6

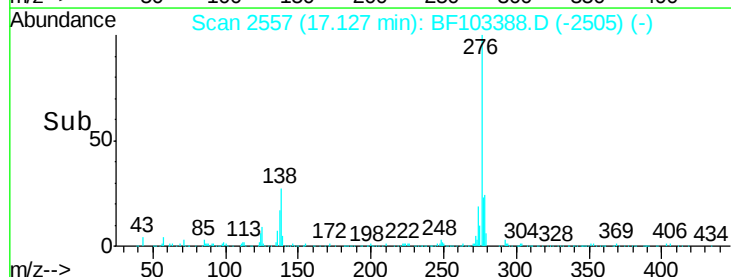
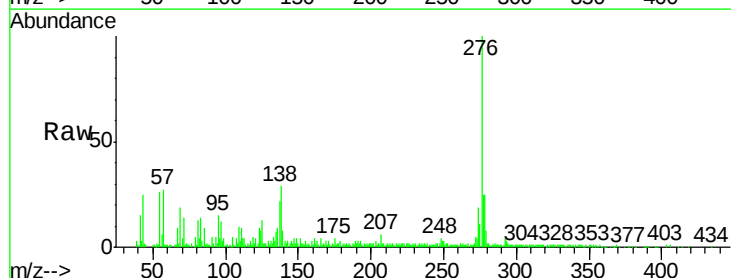
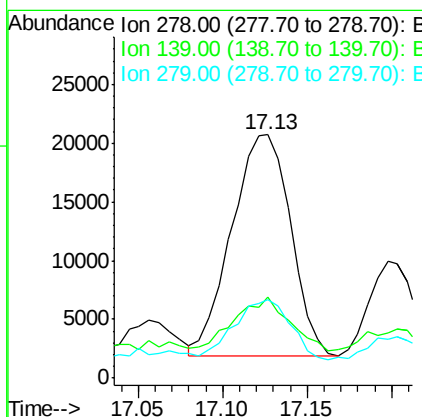
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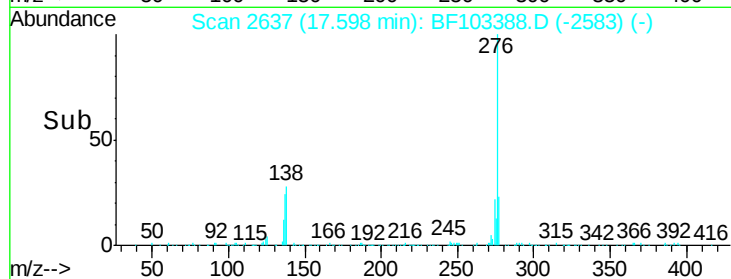
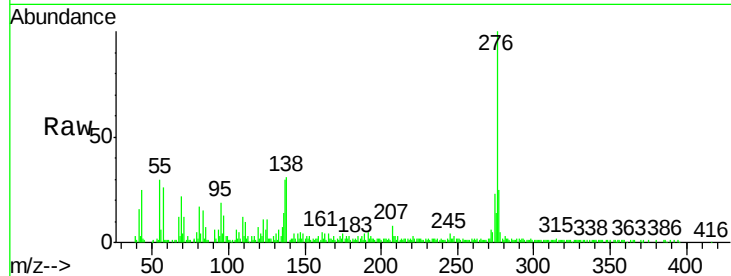
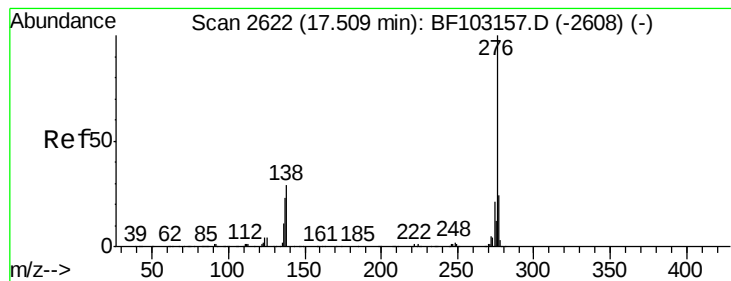
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 5.794 ng
RT: 17.13 min Scan# 2557
Delta R.T. 0.01 min
Lab File: BF103388.D
Acq: 3 Mar 2018 1:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.5	15.9	23.9
279	32.4	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 18.781 ng

RT: 17.60 min Scan# 2637

Delta R.T. 0.02 min

Lab File: BF103388.D

Acq: 3 Mar 2018 1:26

Instrument :

BNA_F

ClientSampleId :

SP-16

Tot Ion: 276 Resp: 145722

Ion Ratio Lower Upper

276 100

277 24.7 17.9 26.9

138 31.2 21.8 32.8

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