

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103387.D
 Acq On : 3 Mar 2018 1:00
 Operator : SJ/JU
 Sample : J1724-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-13

Manual Integrations
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Quant Time: Mar 03 03:59:00 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	152779	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	644618	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	239764	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	344772	20.00	ng	0.00
75) Chrysene-d12	14.07	240	220205	20.00	ng	0.00
86) Perylene-d12	15.58	264	170317	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1034945	102.45	ng	0.00
7) Phenol-d6	6.52	99	1247150	100.90	ng	0.00
23) Nitrobenzene-d5	7.45	82	784778	69.53	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	167360	82.46	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1053144	73.18	ng	0.00
78) Terphenyl-d14	13.00	244	683568	74.62	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.63	163	98453	5.119	ng	100
70) Phenanthrene	11.44	178	244928	12.909	ng	99
71) Anthracene	11.49	178	79258	4.074	ng	99
74) Fluoranthene	12.63	202	431776	22.646	ng	99
77) Pyrene	12.86	202	429102	24.994	ng	99
80) Benzo(a)anthracene	14.06	228	205356	14.373	ng	98
82) Chrysene	14.09	228	180323	12.998	ng	98
85) Indeno(1,2,3-cd)pyrene	17.12	276	69979	6.372	ng	98
87) Benzo(b)fluoranthene	15.13	252	183886m	16.421	ng	
88) Benzo(k)fluoranthene	15.16	252	69597m	6.600	ng	
89) Benzo(a)pyrene	15.52	252	126174	12.617	ng	# 90
90) Dibenzo(a,h)anthracene	17.12	278	19873	2.572	ng	# 54
91) Benzo(a,h,i)perylene	17.59	276	66604	8.819	ng	93

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

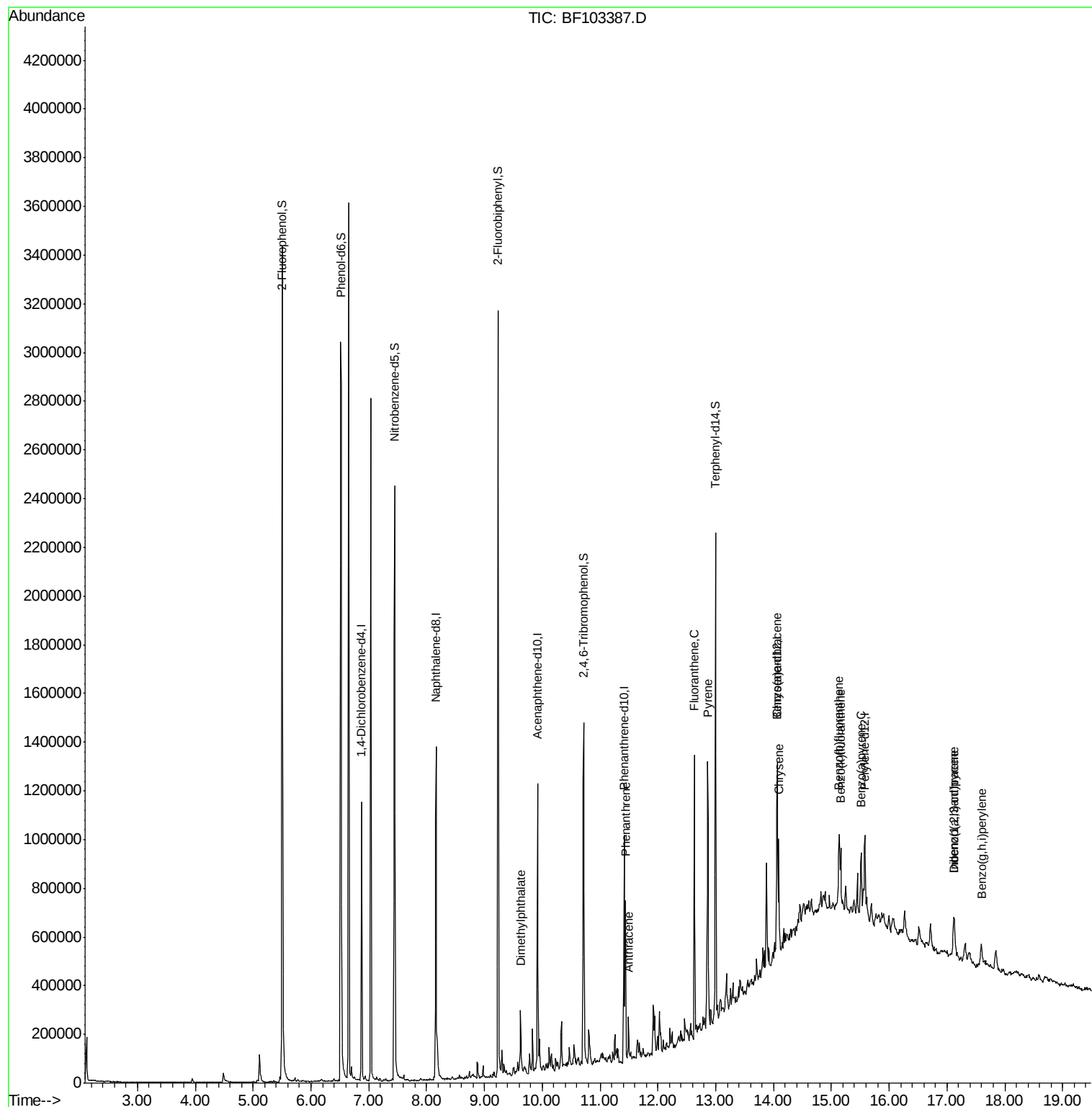
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
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#1

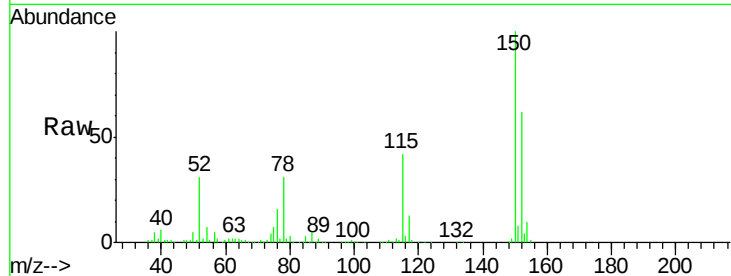
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Instrument :
BNA_F
ClientSampled :
SP-13

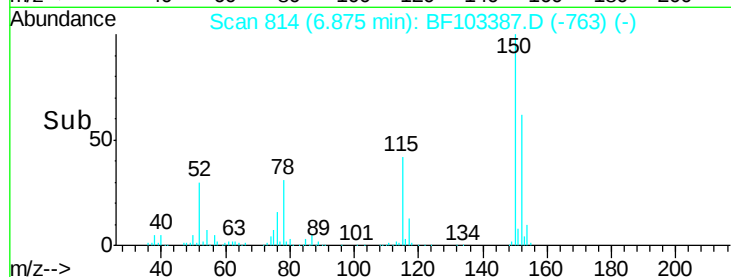
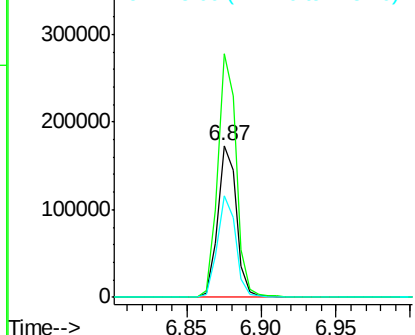
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	66.7	50.1	75.1

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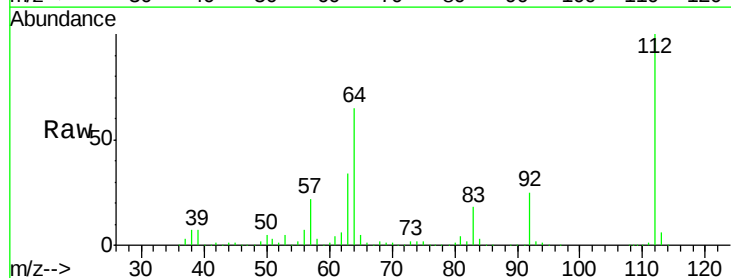
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



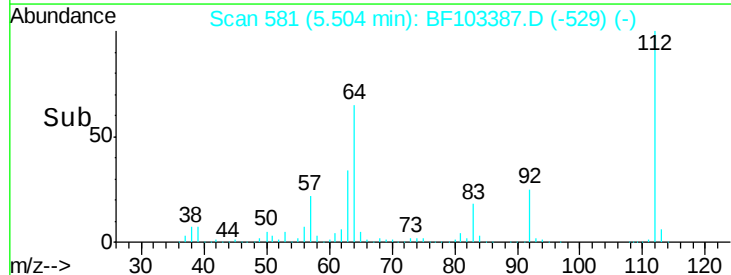
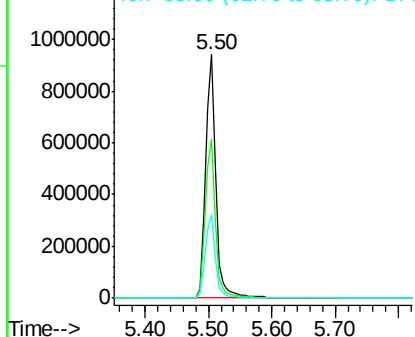
#5

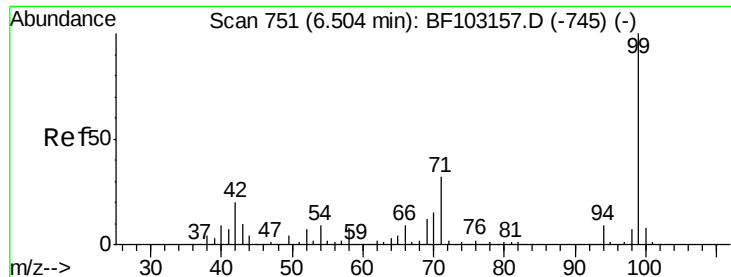
2-Fluorophenol
Concen: 102.454 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.1	47.9	71.9
63	34.1	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: 100.896 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF103387.D

Acq: 3 Mar 2018 1:00

Instrument :

BNA_F

ClientSampled :

SP-13

Tot Ion: 99 Resp: 1247150

Ion Ratio Lower Upper

99 100

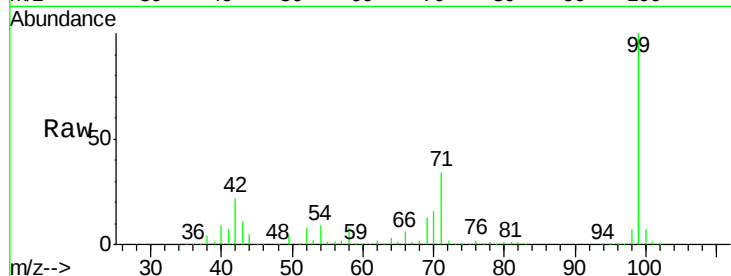
42 21.7 14.5 21.7

71 34.2 25.4 38.0

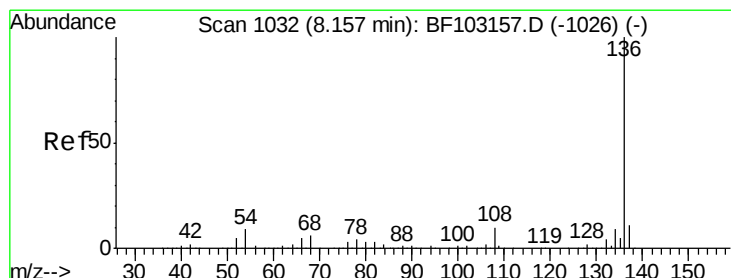
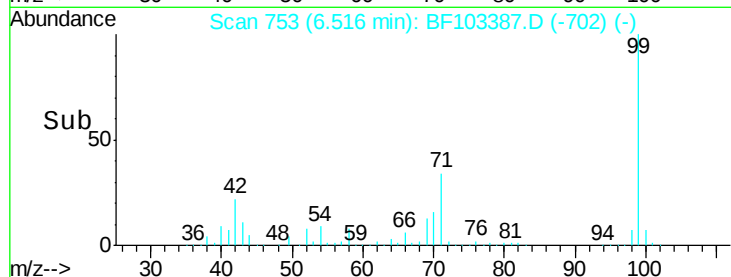
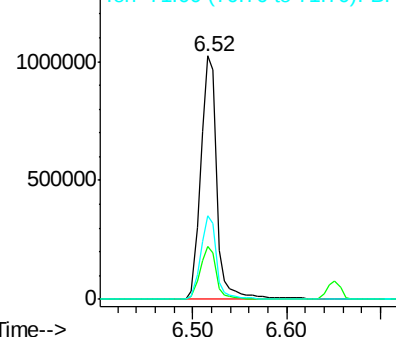
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF103387.D

Acq: 3 Mar 2018 1:00

Tgt Ion: 136 Resp: 644618

Ion Ratio Lower Upper

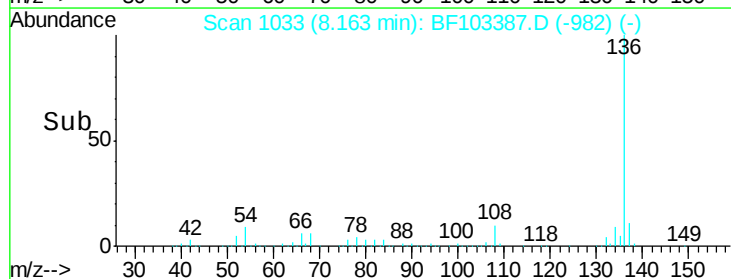
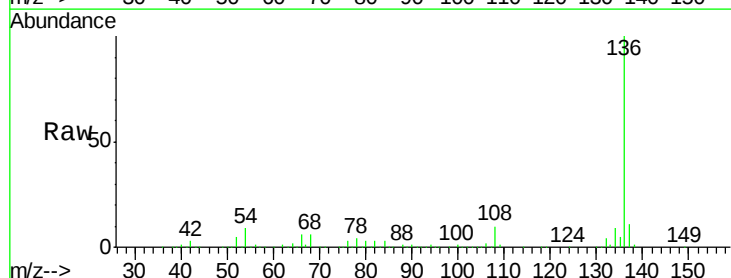
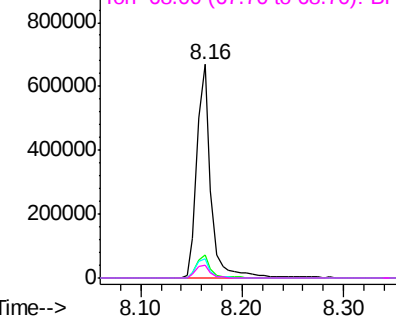
136 100

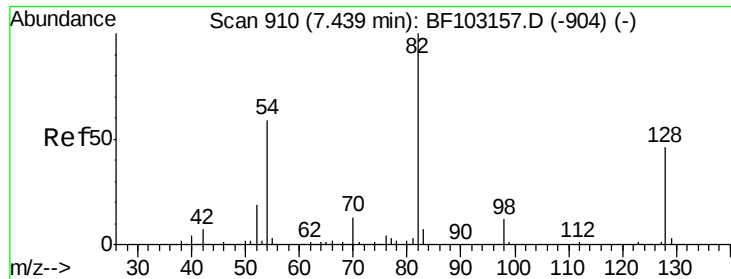
137 10.8 8.9 13.3

54 8.9 6.6 9.8

68 5.9 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





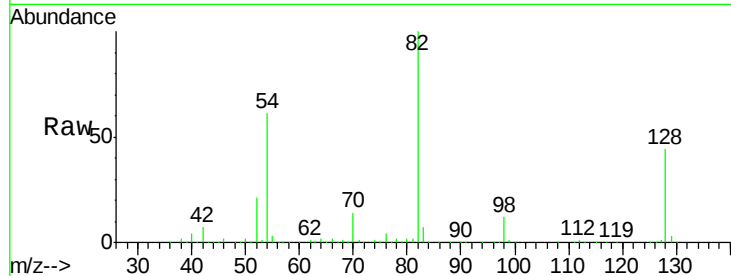
#23
Nitrobenzene-d5
Concen: 69.526 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Instrument :
BNA_F
ClientSampled :
SP-13

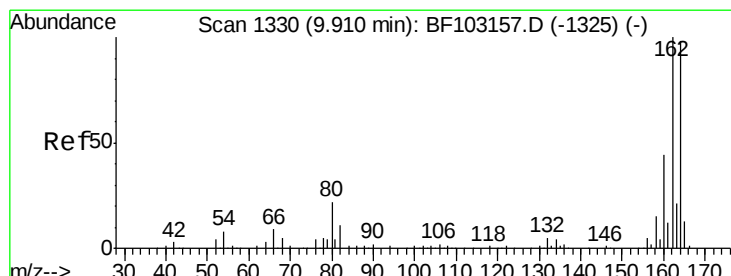
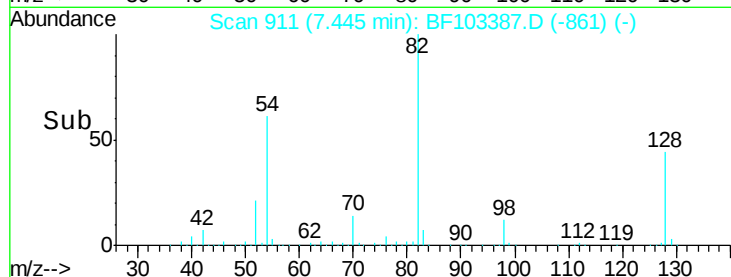
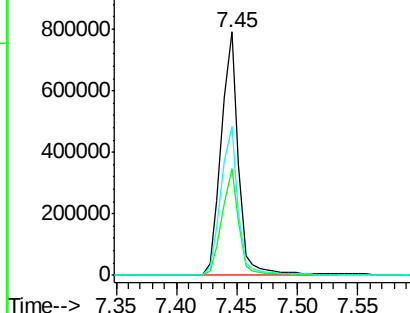
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.1	54.1
54	61.2	41.4	62.2

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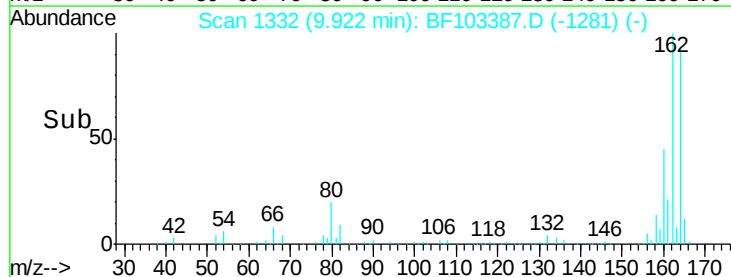
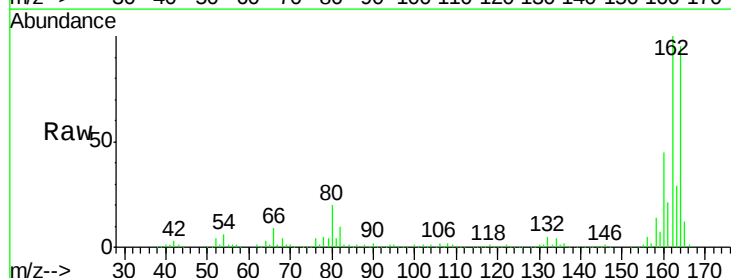
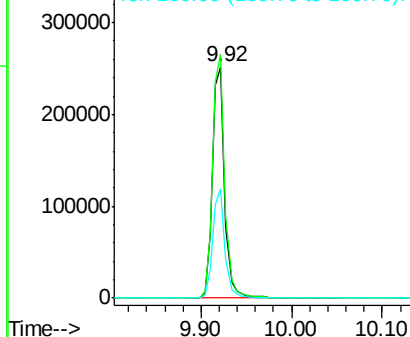
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

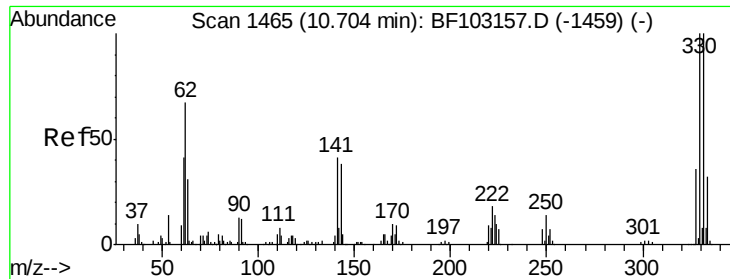


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	86.1	129.1
160	47.1	38.3	57.5

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





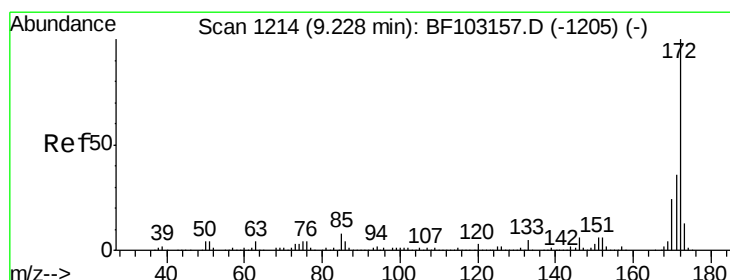
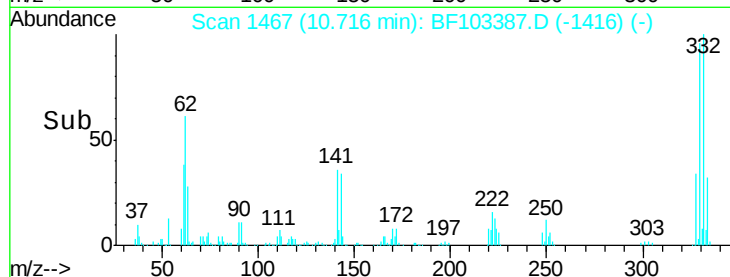
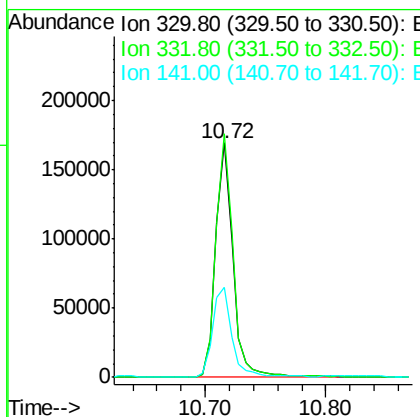
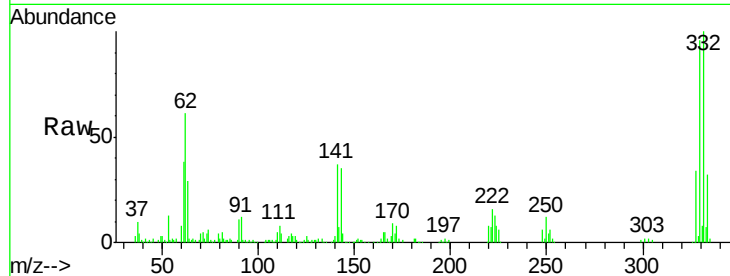
#41
 2,4,6-Tribromophenol
 Concen: 82.465 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF103387.D
 Acq: 3 Mar 2018 1:00

Instrument :
 BNA_F
 ClientSampled :
 SP-13

Tot Ion	Ratio	Resp	Lower	Upper
330	100	167360		
332	102.3	77.0	115.6	
141	41.8	29.9	44.9	

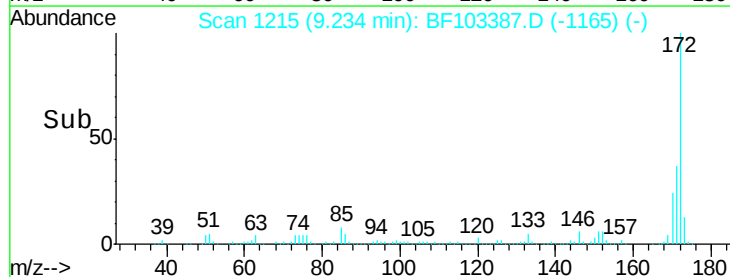
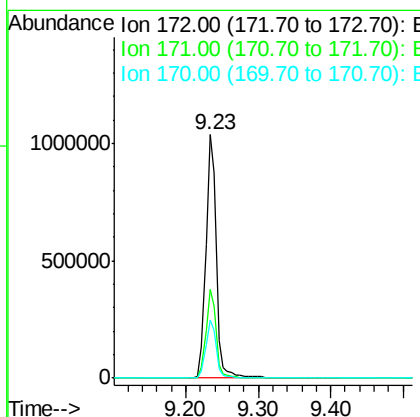
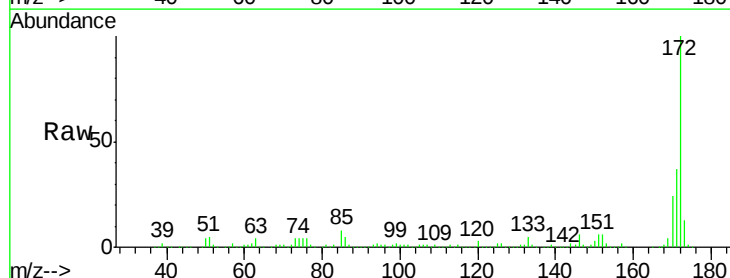
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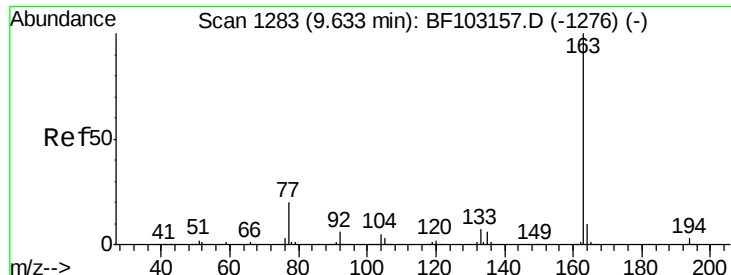
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#44
 2-Fluorobiphenyl
 Concen: 73.180 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103387.D
 Acq: 3 Mar 2018 1:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1053144		
171	36.6	29.7	44.5	
170	23.9	19.6	29.4	





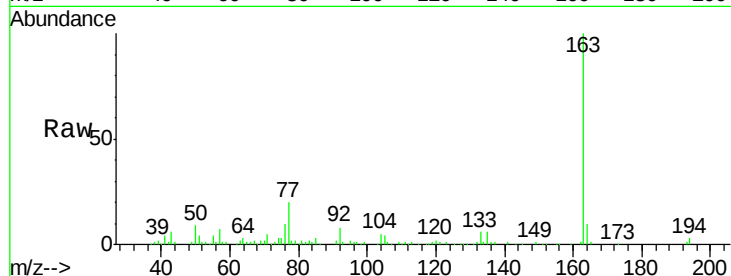
#49
Dimethylphthalate
Concen: 5.119 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Instrument :
BNA_F
ClientSampled :
SP-13

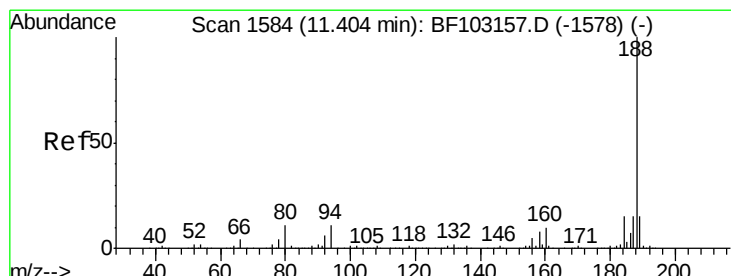
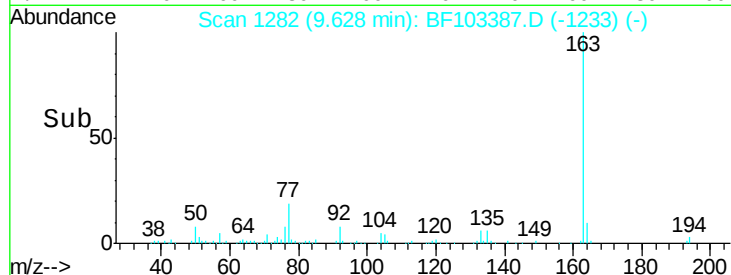
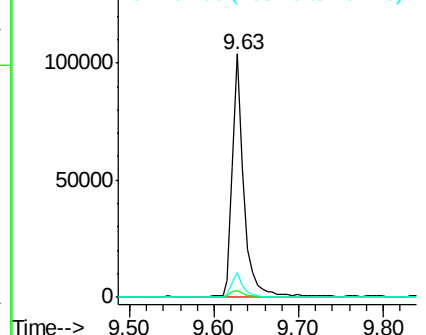
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.7	4.1
164	10.1	8.2	12.2

Manual Integrations
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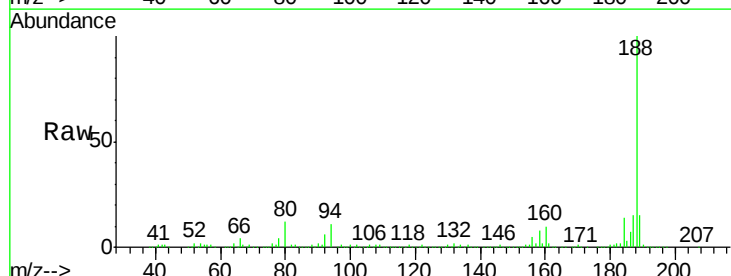


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

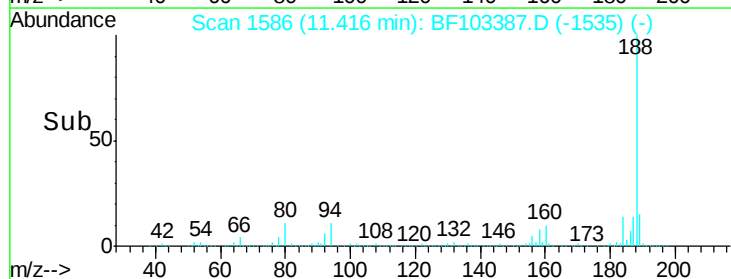
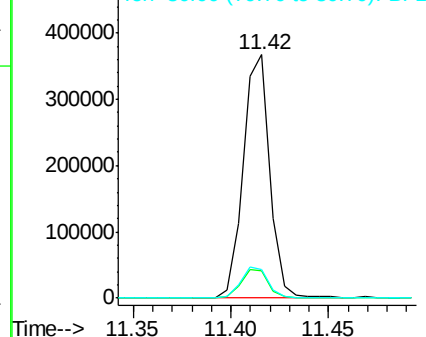


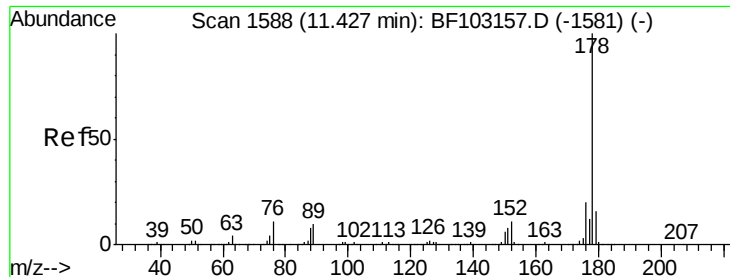
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.5	12.7
80	11.5	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





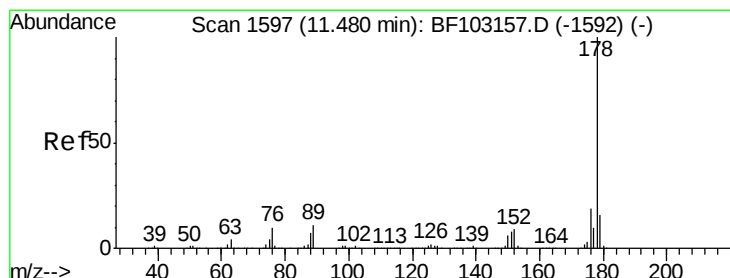
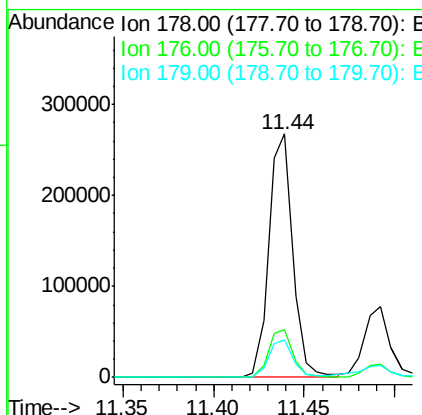
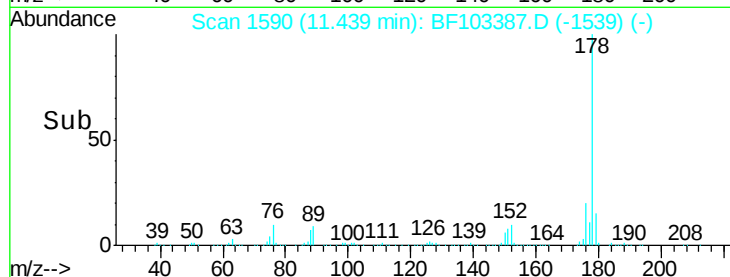
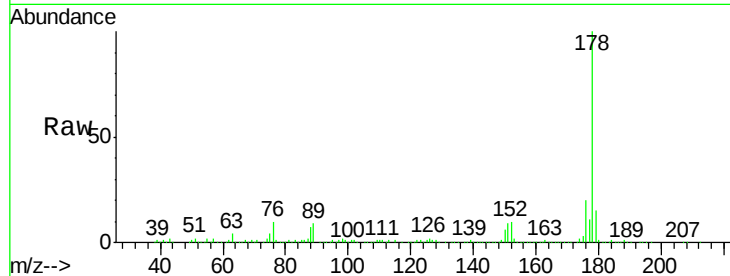
#70
Phenanthrene
Concen: 12.909 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.00 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Instrument :
BNA_F
ClientSampled :
SP-13

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.4	13.0	19.6

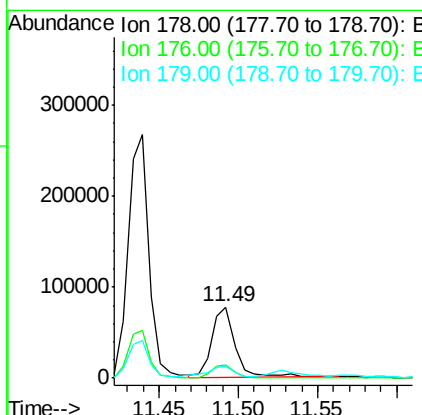
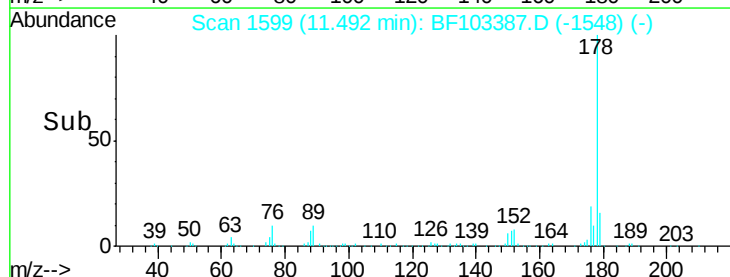
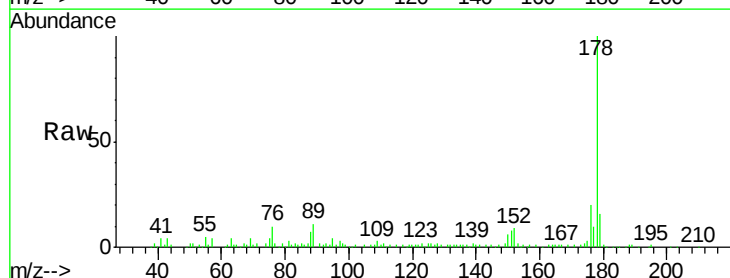
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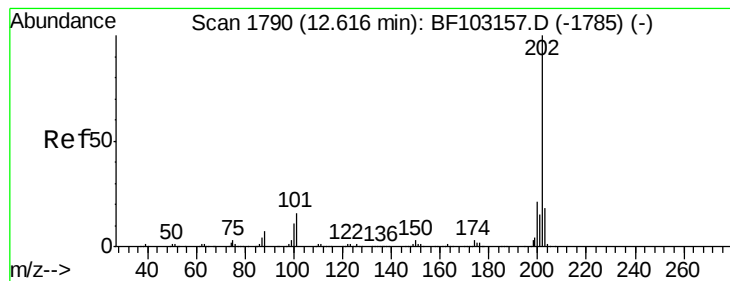
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#71
Anthracene
Concen: 4.074 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	16.4	12.6	19.0





#74

Fluoranthene

Concen: 22.646 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF103387.D

Acq: 3 Mar 2018 1:00

Instrument :

BNA_F

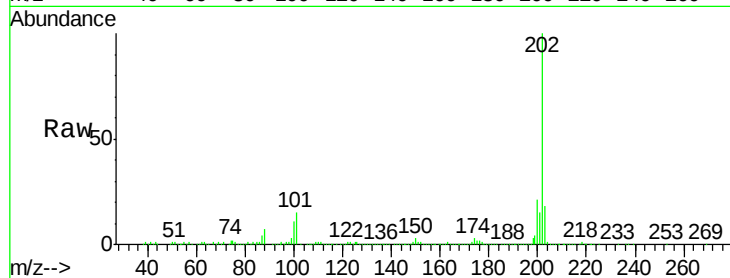
ClientSampleId :

SP-13

Tot Ion:	202	Resp:	431776
Ion Ratio	Lower	Upper	
202	100		
101	14.9	0.0	34.1
203	17.9	0.0	38.1

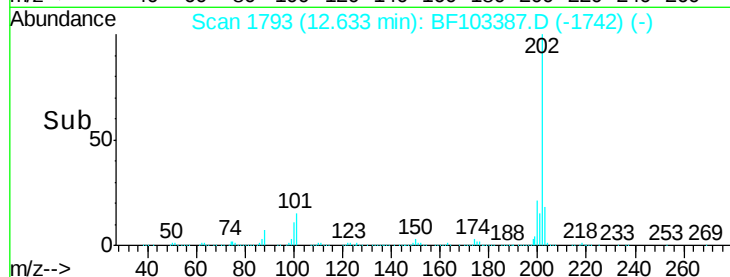
Manual Integrations
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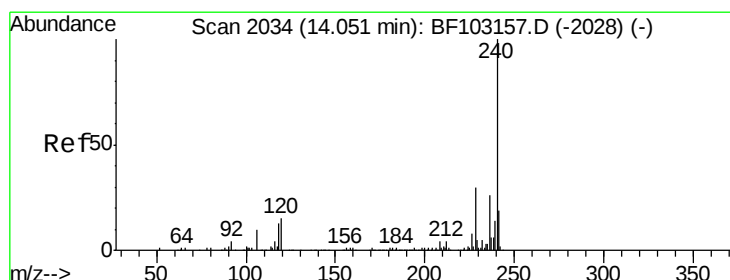


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

12.63



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

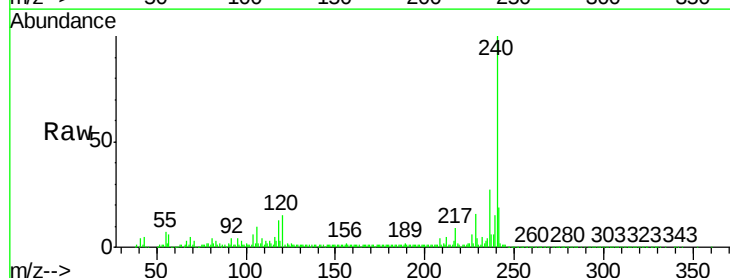
RT: 14.07 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BF103387.D

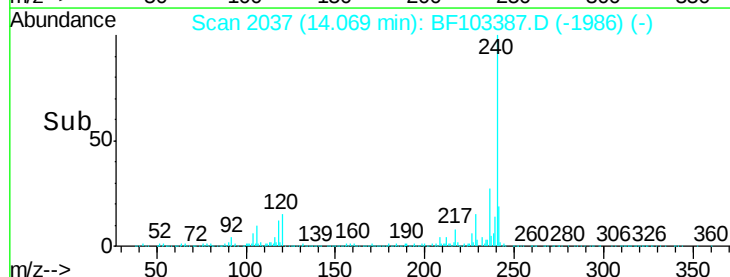
Acq: 3 Mar 2018 1:00

Tgt Ion:	240	Resp:	220205
Ion Ratio	Lower	Upper	
240	100		
120	15.5	9.5	14.3#
236	26.9	20.7	31.1

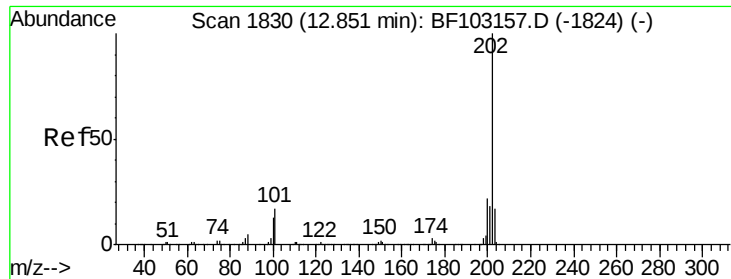


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

14.07



Time-->



#77

Pvrene

Concen: 24.994 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BF103387.D

Acq: 3 Mar 2018 1:00

Instrument :

BNA_F

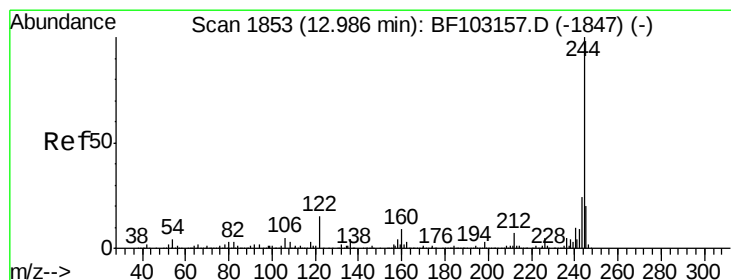
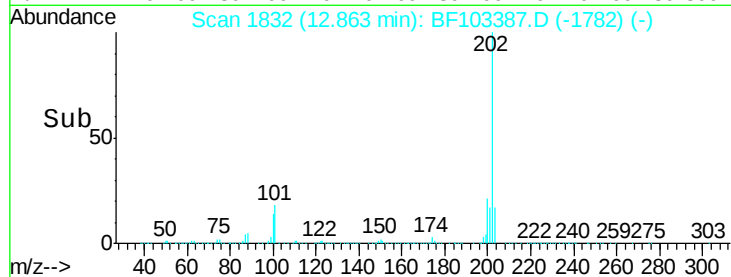
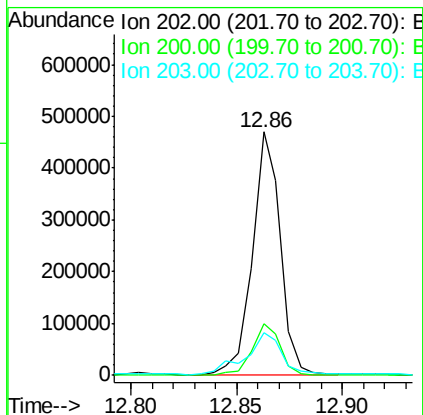
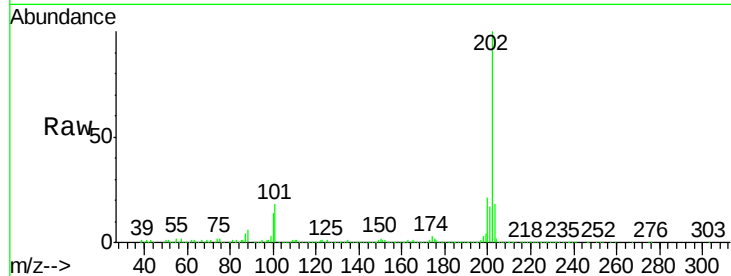
ClientSampleId :

SP-13

Tot Ion:	202	Resp:	429102
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.5	14.3	21.5

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3/5/2018 3:14:08 PM



#78

Terphenyl-d14

Concen: 74.622 ng

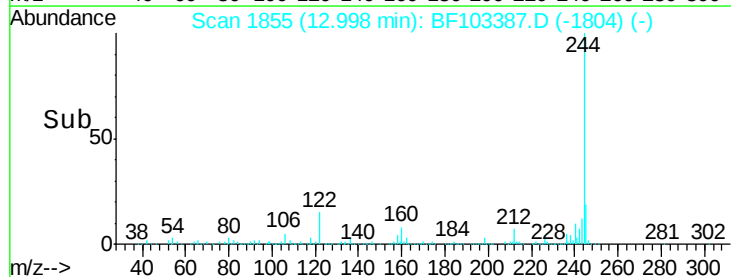
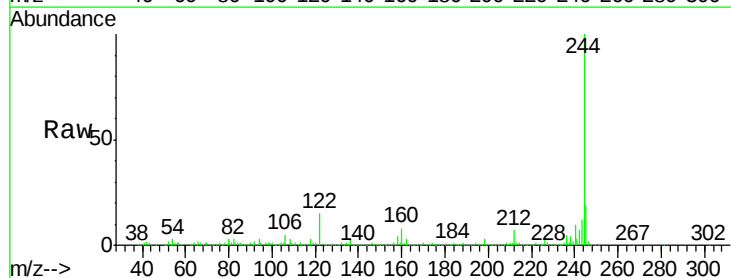
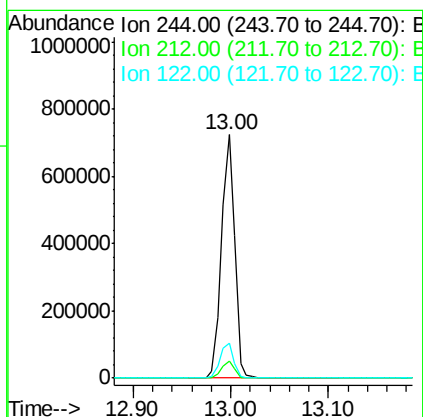
RT: 13.00 min Scan# 1855

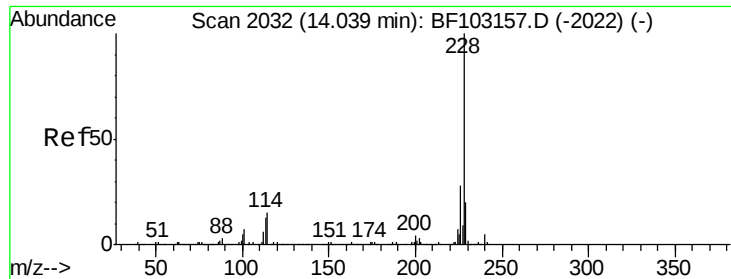
Delta R.T. 0.00 min

Lab File: BF103387.D

Acq: 3 Mar 2018 1:00

Tgt Ion:	244	Resp:	683568
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	14.6	11.0	16.4





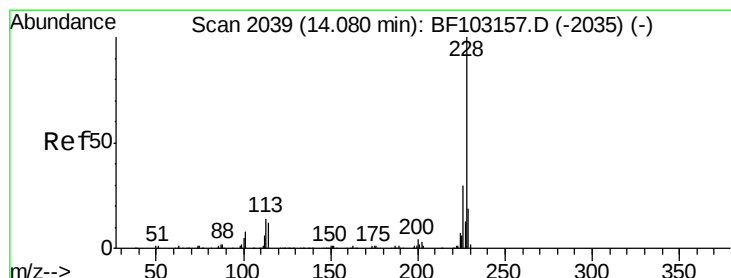
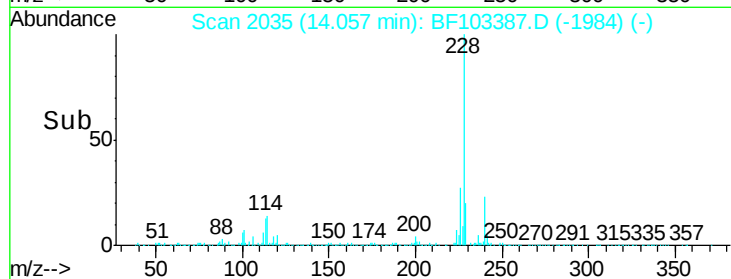
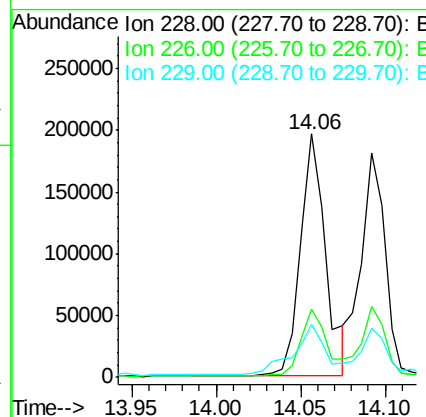
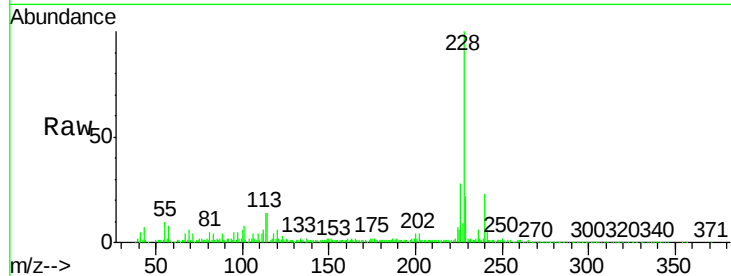
#80
Benzo(a)anthracene
Concen: 14.373 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Instrument :
BNA_F
ClientSampled :
SP-13

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	21.6	15.8	23.6

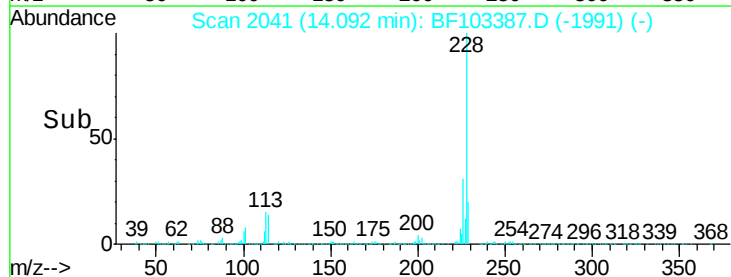
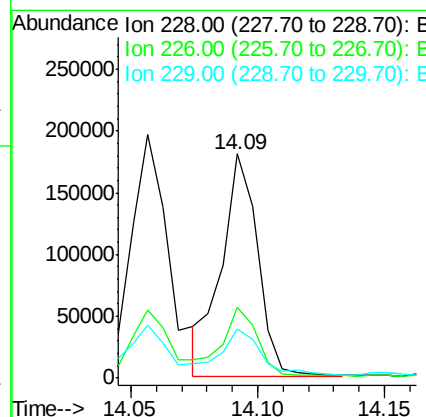
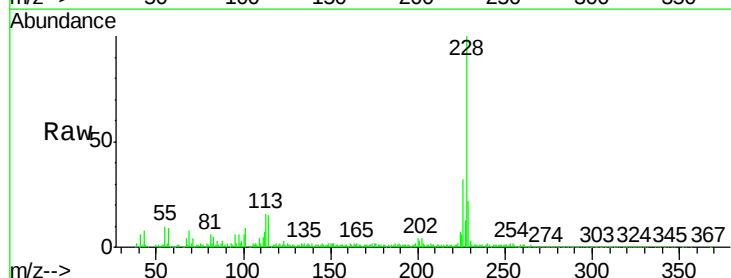
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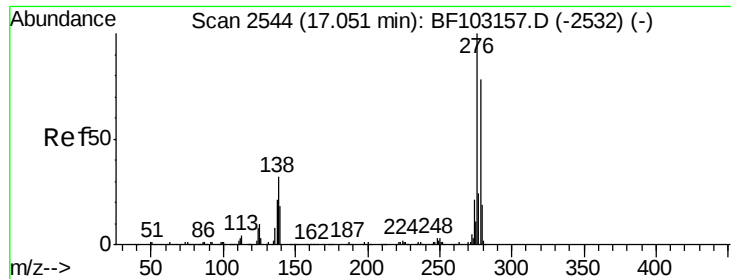
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3/5/2018 3:14:08 PM



#82
Chrysene
Concen: 12.998 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	22.2	16.2	24.4





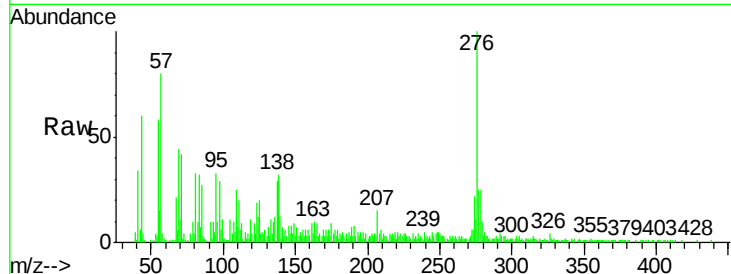
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.372 ng
RT: 17.12 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Instrument :
BNA_F
ClientSampleId :
SP-13

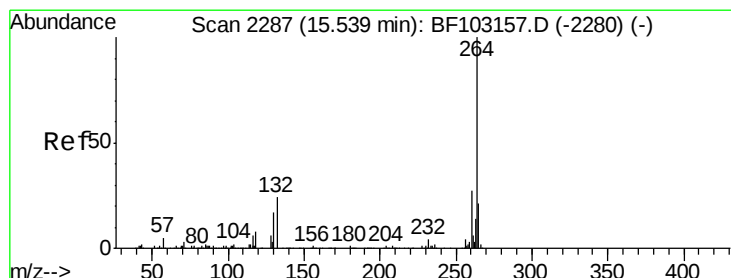
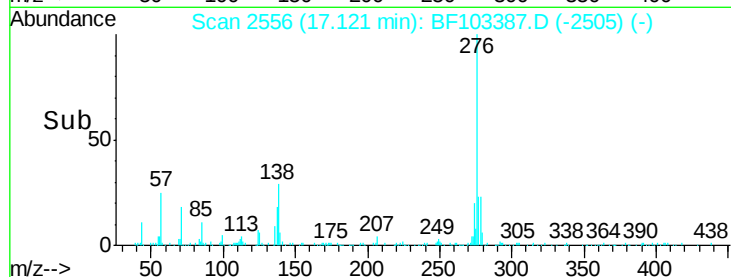
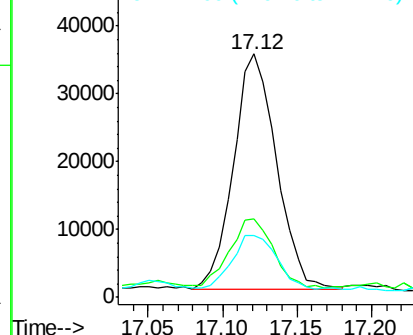
Tot Ion:	276	Resp:	69979
Ion Ratio	Lower	Upper	
276	100		
138	29.2	25.0	37.6
277	25.0	20.1	30.1

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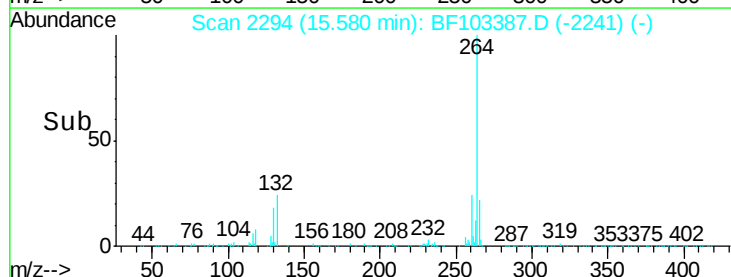
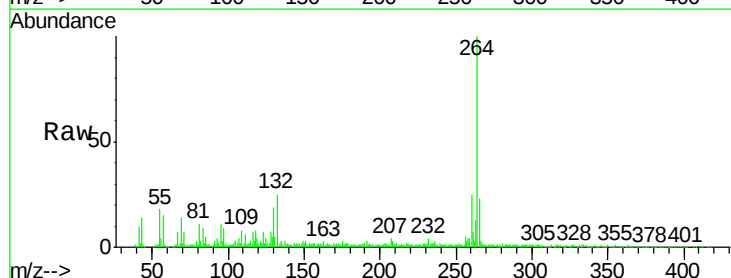
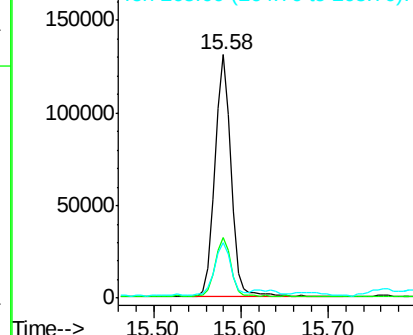
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

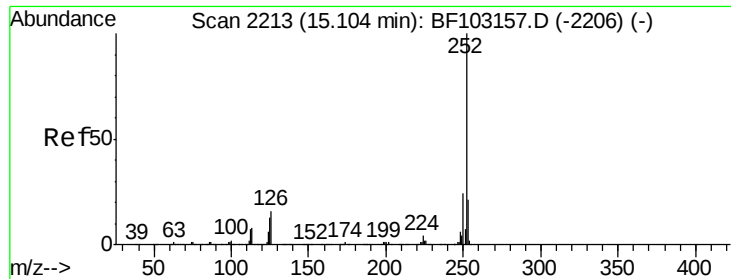


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Tgt Ion:	264	Resp:	170317
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.2	28.8
265	22.7	17.5	26.3

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





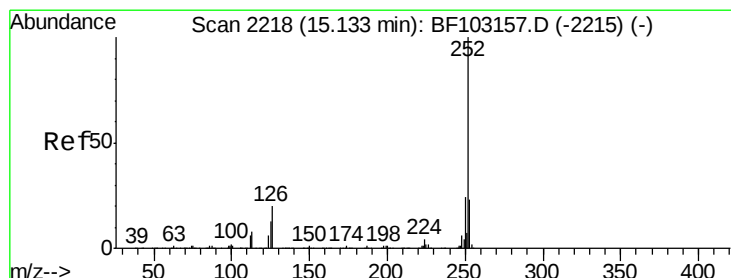
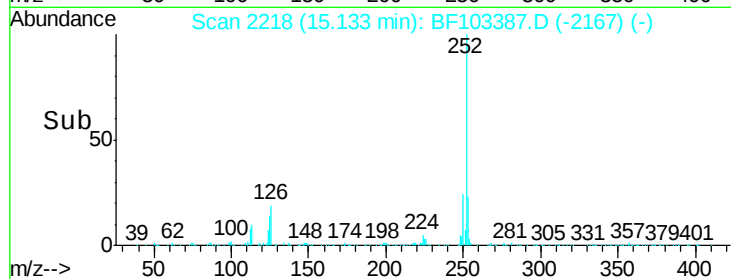
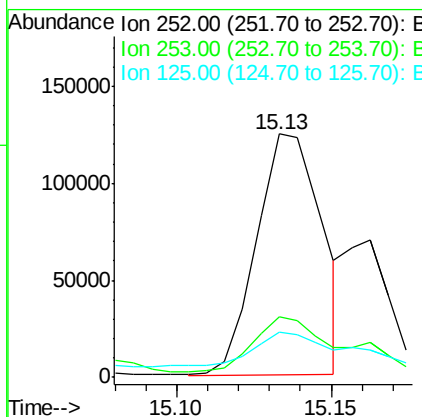
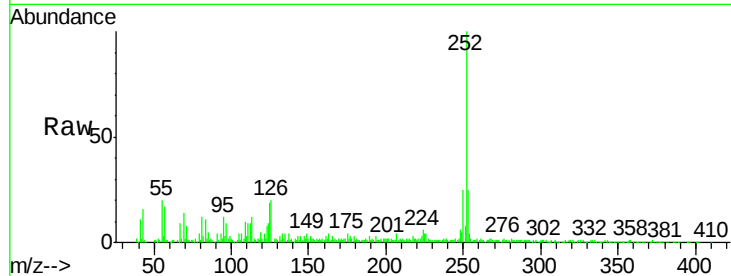
#87
Benzo(b)fluoranthene
Concen: 16.421 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Instrument :
BNA_F
ClientSampleId :
SP-13

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	18.5	9.0	13.6

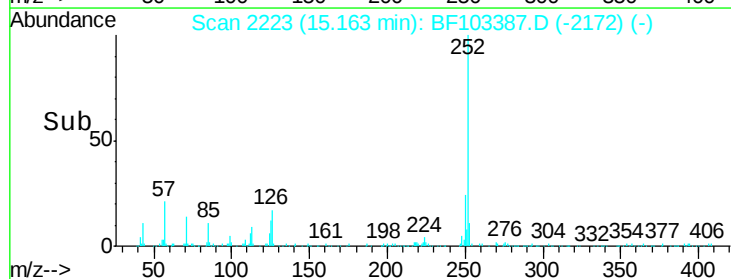
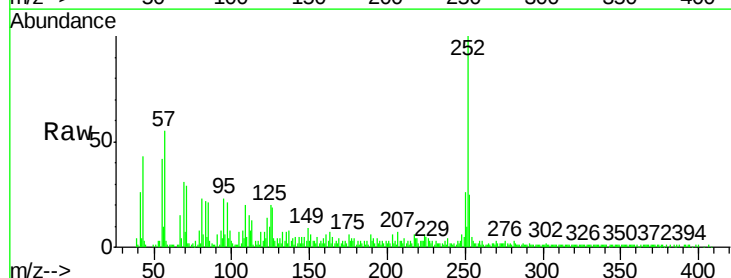
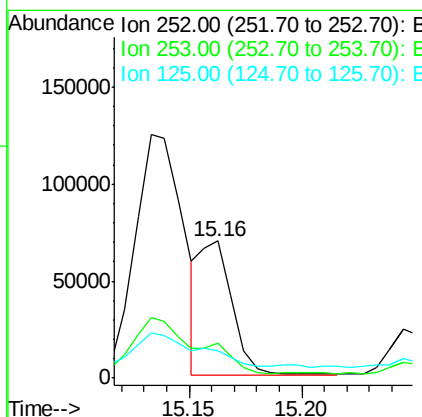
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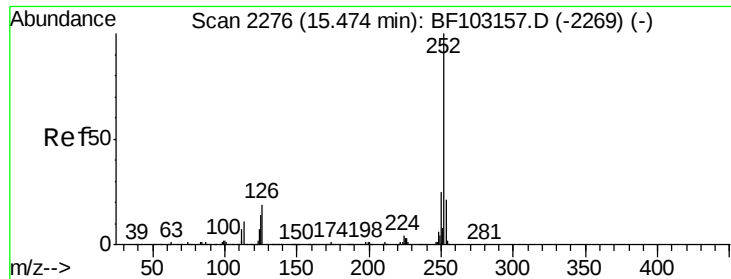
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#88
Benzo(k)fluoranthene
Concen: 6.600 ng m
RT: 15.16 min Scan# 2223
Delta R.T. 0.00 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	20.2	10.2	15.2





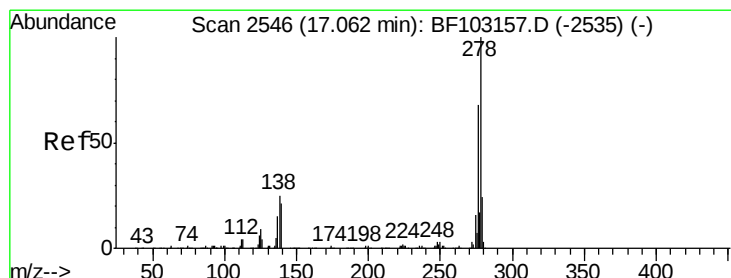
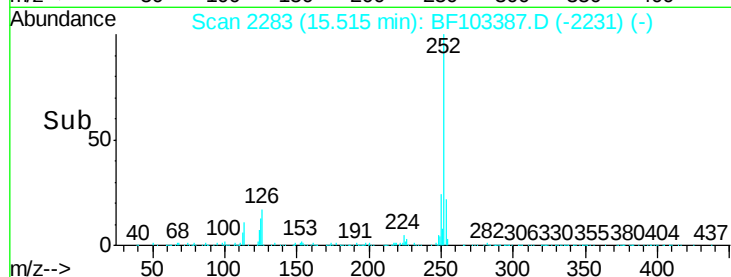
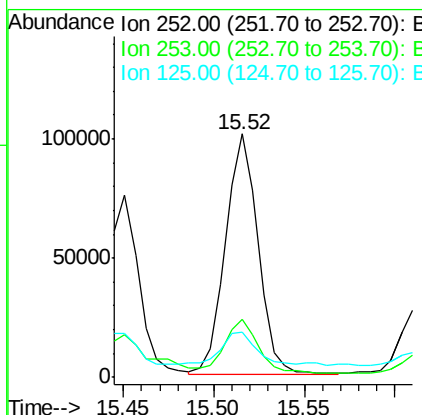
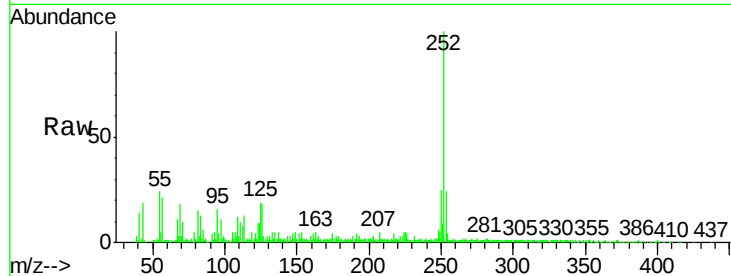
#89
Benzo(a)pyrene
Concen: 12.617 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Instrument :
BNA_F
ClientSampled :
SP-13

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	18.8	9.8	14.6

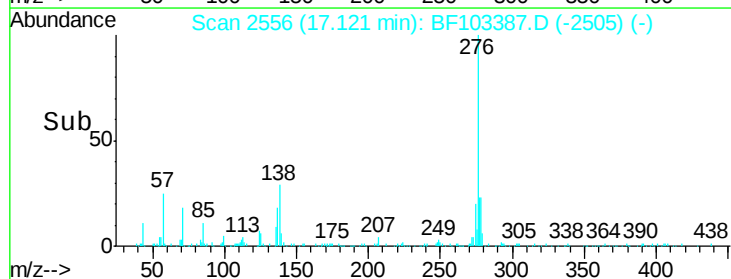
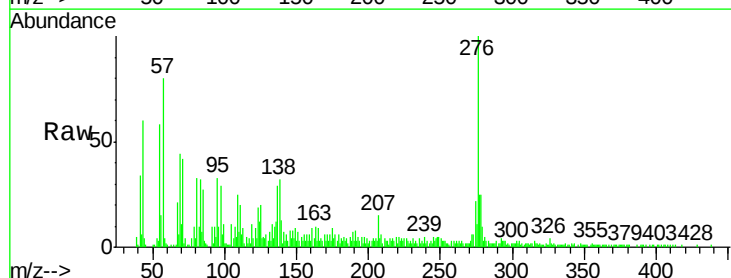
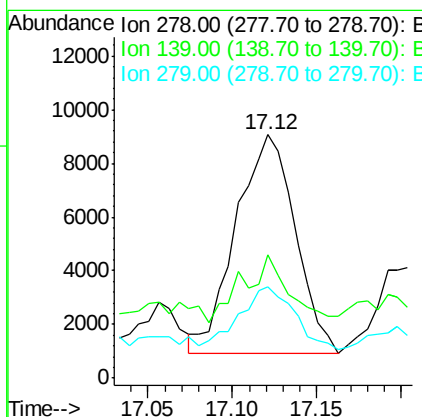
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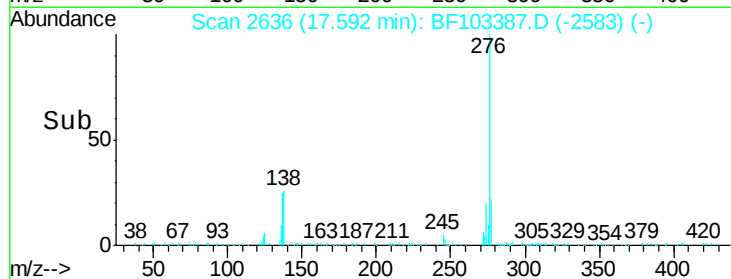
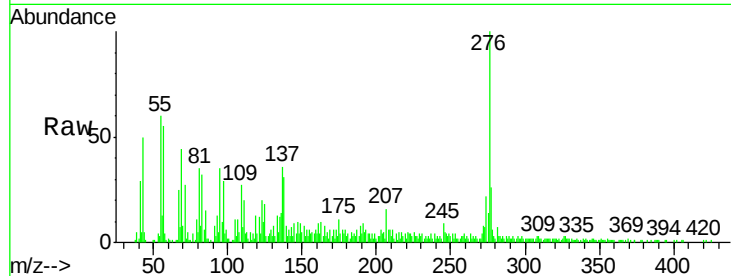
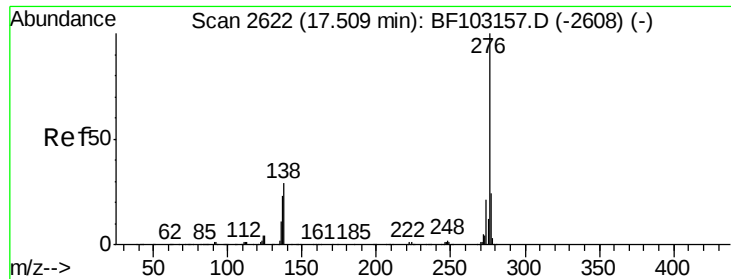
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#90
Dibenzo(a,h)anthracene
Concen: 2.572 ng
RT: 17.12 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	50.9	15.9	23.9
279	37.6	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 8.819 ng
 RT: 17.59 min Scan# 2636
 Delta R.T. 0.01 min
 Lab File: BF103387.D
 Acq: 3 Mar 2018 1:00

Instrument :
 BNA_F
 ClientSampleId :
 SP-13

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	30.9	21.8	32.8

Manual Integrations
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