

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103380.D
 Acq On : 2 Mar 2018 21:55
 Operator : SJ/JU
 Sample : J1721-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-46

Manual Integrations
 APPROVED

Sohil
 3/5/2018 3:13:49 PM

Quant Time: Mar 05 03:31:26 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	149634	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	614626	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	229419	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	330487	20.00	ng	0.00
75) Chrysene-d12	14.06	240	234270	20.00	ng	0.00
86) Perylene-d12	15.57	264	180128	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	901411	91.11	ng	0.00
7) Phenol-d6	6.52	99	1072786	88.61	ng	0.00
23) Nitrobenzene-d5	7.44	82	706026	65.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	148665	76.56	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	948020	67.79	ng	0.00
78) Terphenyl-d14	13.00	244	616777	63.29	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.63	163	84245	4.577	ng	99
70) Phenanthrene	11.43	178	167353	9.201	ng	99
71) Anthracene	11.49	178	58144	3.118	ng	98
74) Fluoranthene	12.63	202	304551	16.663	ng	98
77) Pyrene	12.86	202	321259	17.589	ng	100
80) Benzo(a)anthracene	14.05	228	162412	10.685	ng	99
82) Chrysene	14.09	228	155429	10.531	ng	98
85) Indeno(1,2,3-cd)pyrene	17.12	276	53558	4.584	ng	99
87) Benzo(b)fluoranthene	15.13	252	169397m	14.303	ng	
88) Benzo(k)fluoranthene	15.16	252	45211m	4.054	ng	
89) Benzo(a)pyrene	15.51	252	107290	10.145	ng	# 90
91) Benzo(a,h,i)perylene	17.59	276	54952	6.880	ng	# 91

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

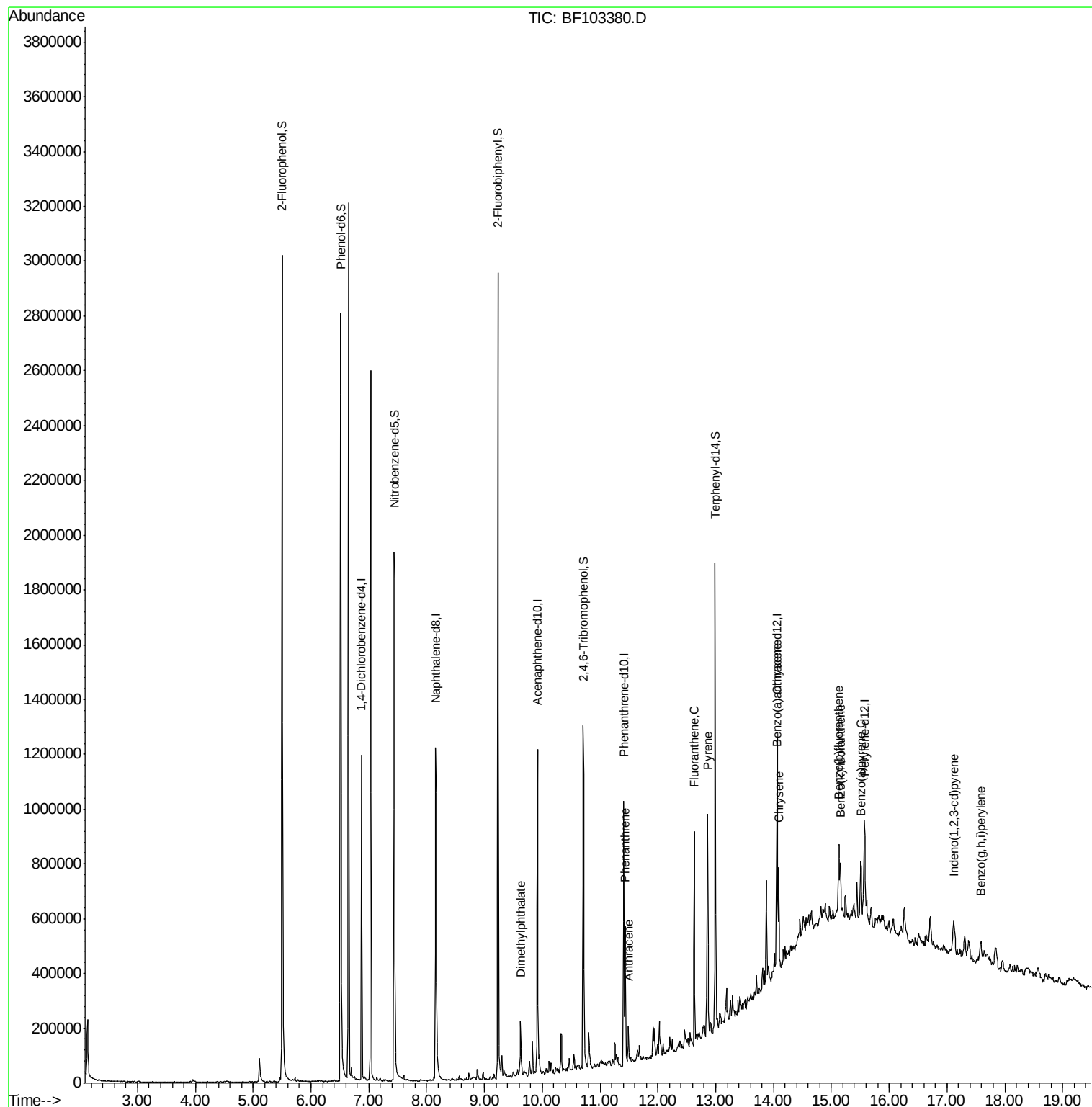
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
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Operator : SJ/JU
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#1

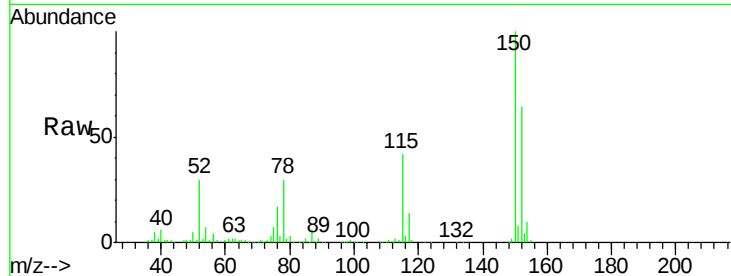
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

Instrument :
BNA_F
ClientSampled :
SP-46

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.6	186.8
115	66.2	50.1	75.1

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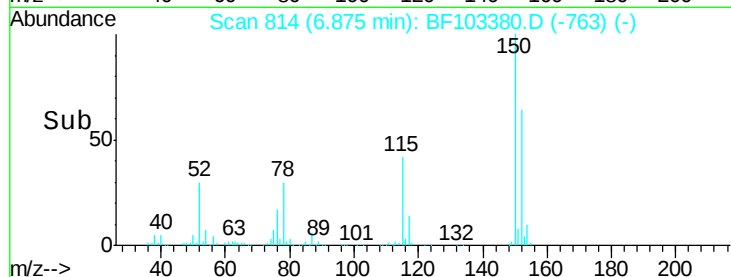
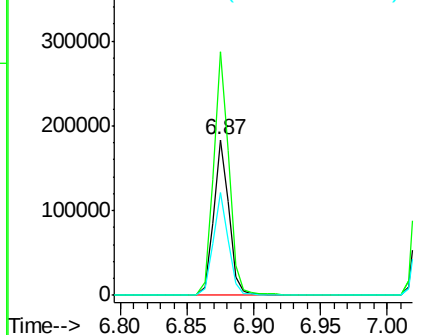


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

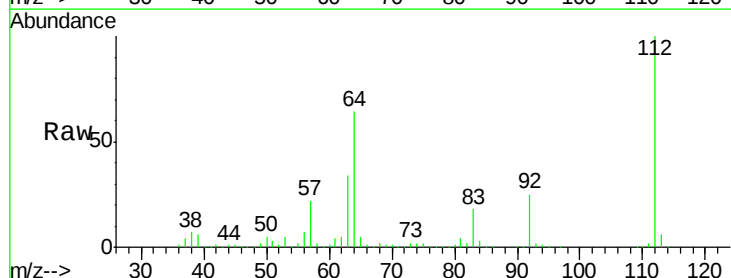
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 91.110 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	47.9	71.9
63	34.4	23.7	35.5

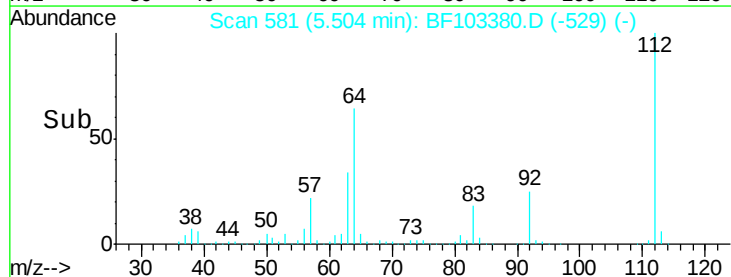
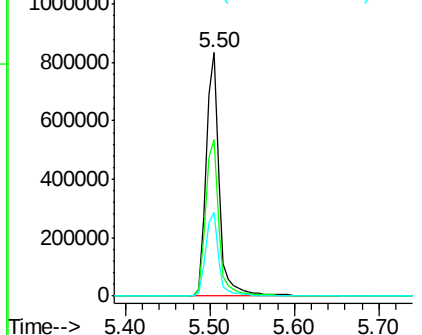


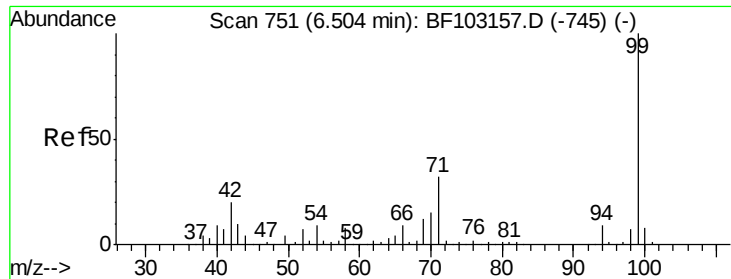
Abundance

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: 88.614 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

Instrument :

BNA_F

ClientSampleId :

SP-46

Tot Ion: 99 Resp: 1072786

Ion Ratio Lower Upper

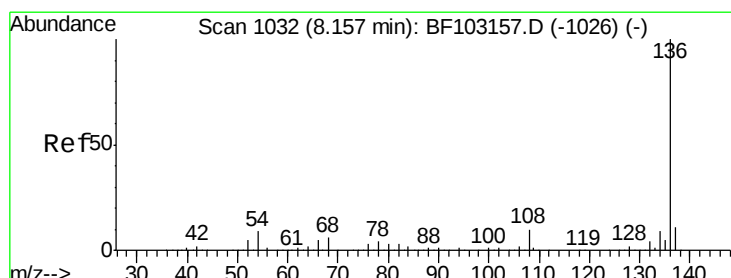
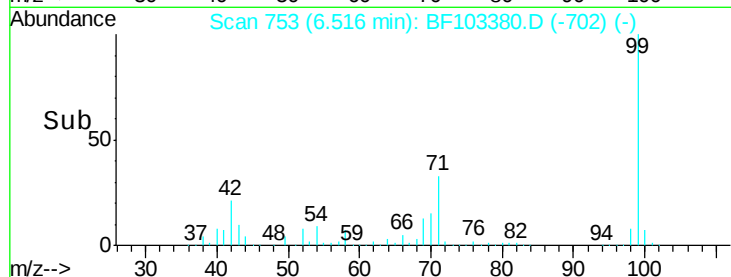
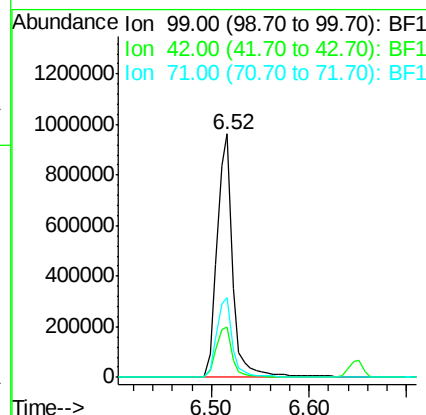
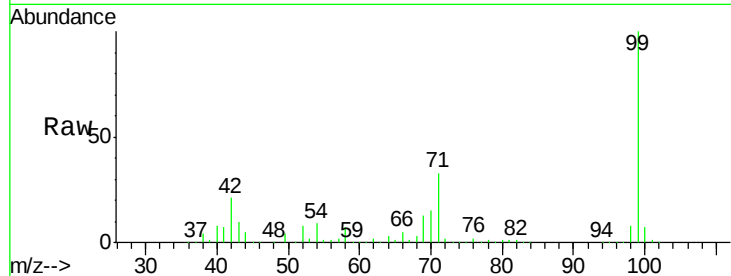
99 100

42 20.5 14.5 21.7

71 33.0 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

Tgt Ion: 136 Resp: 614626

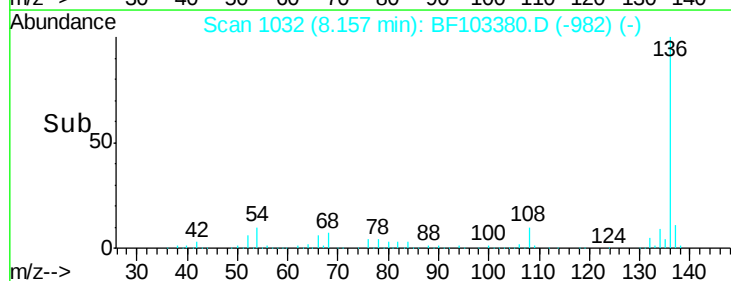
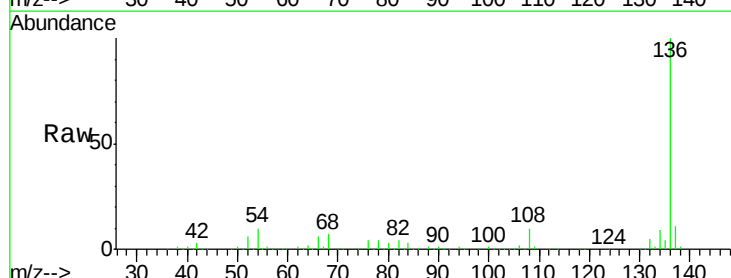
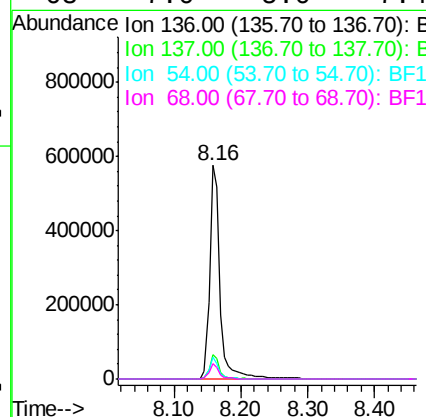
Ion Ratio Lower Upper

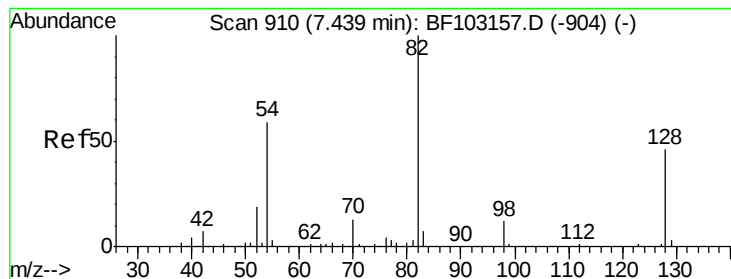
136 100

137 11.2 8.9 13.3

54 10.0 6.6 9.8#

68 7.0 5.0 7.4





#23

Nitrobenzene-d5

Concen: 65.601 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

Instrument :

BNA_F

ClientSampled :

SP-46

Tot Ion: 82 Resp: 706026

Ion Ratio Lower Upper

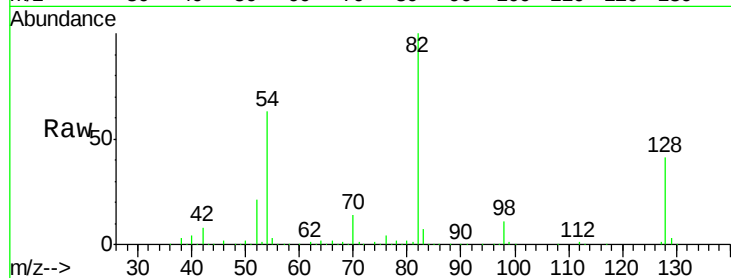
82 100

128 41.5 36.1 54.1

54 62.7 41.4 62.2#

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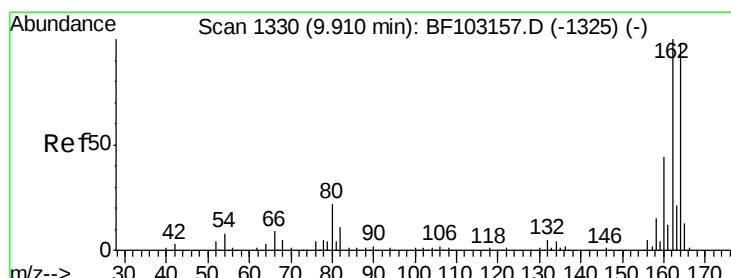
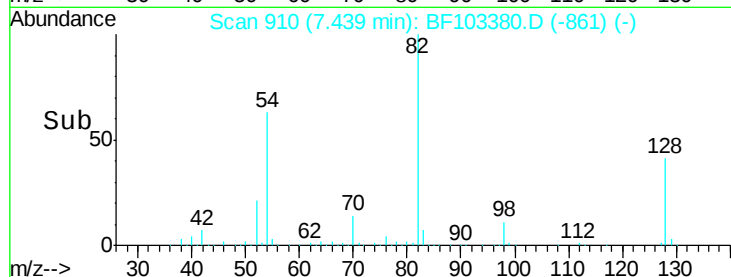
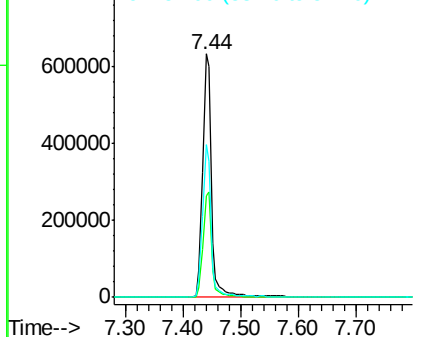
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Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

Tgt Ion:164 Resp: 229419

Ion Ratio Lower Upper

164 100

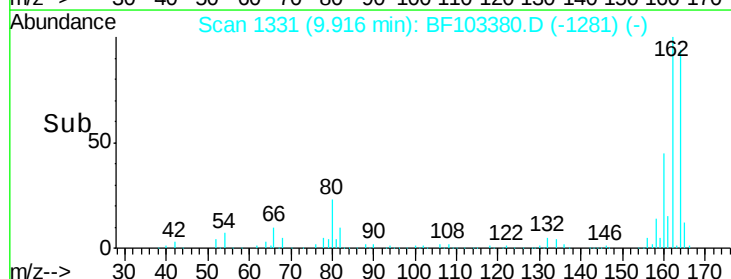
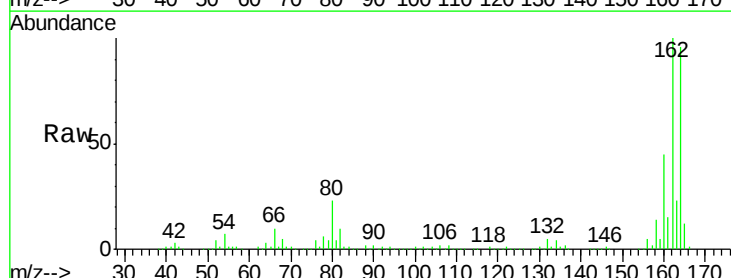
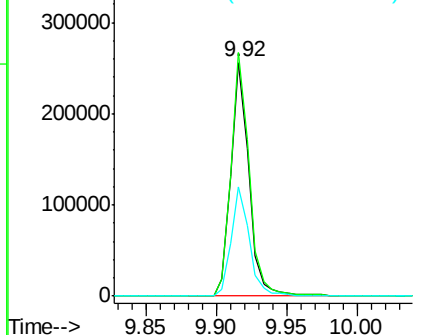
162 104.2 86.1 129.1

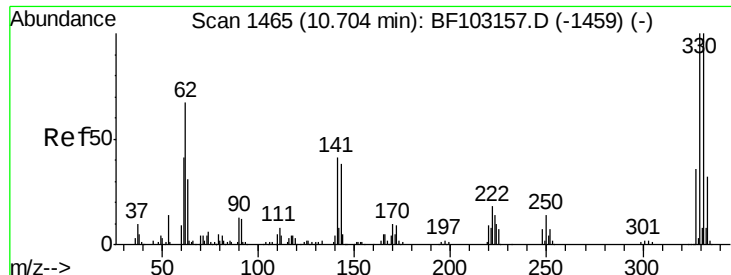
160 46.7 38.3 57.5

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





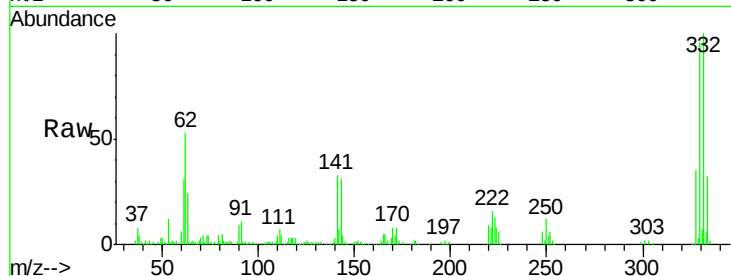
#41
 2,4,6-Tribromophenol
 Concen: 76.556 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF103380.D
 Acq: 2 Mar 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :
 SP-46

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.7	77.0	115.6	
141	44.8	29.9	44.9	

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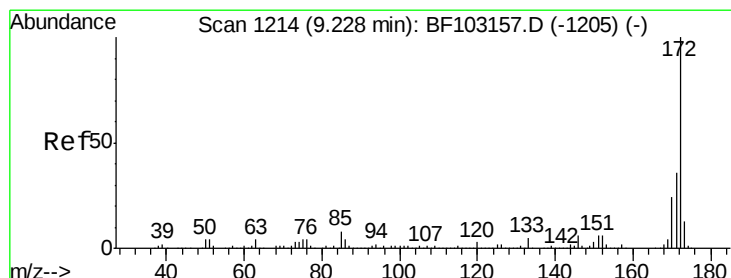
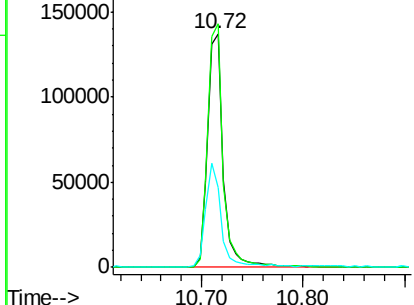
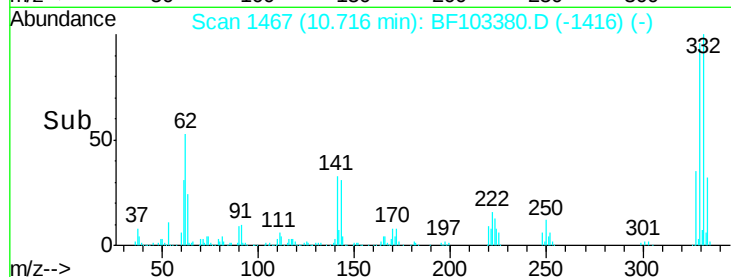


Abundance

Ion 329.80 (329.50 to 330.50): E

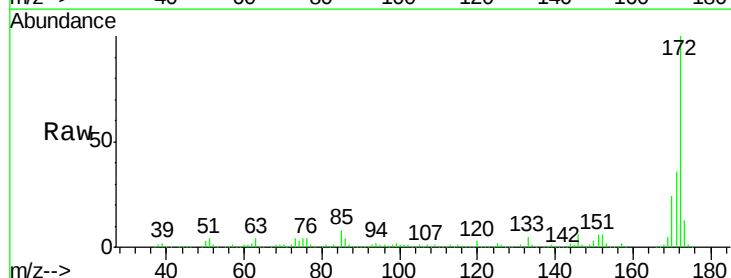
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 67.789 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103380.D
 Acq: 2 Mar 2018 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.7	44.5	
170	24.1	19.6	29.4	

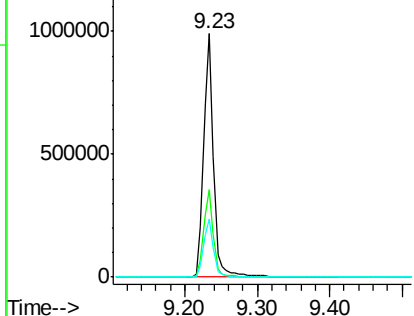
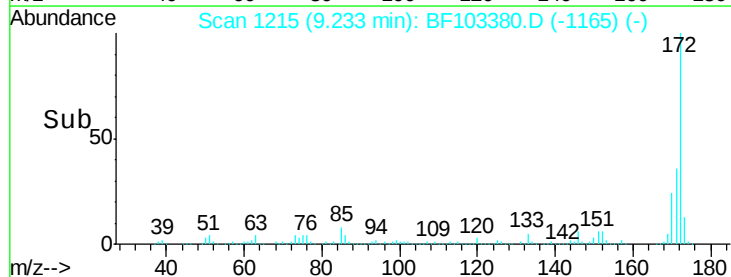


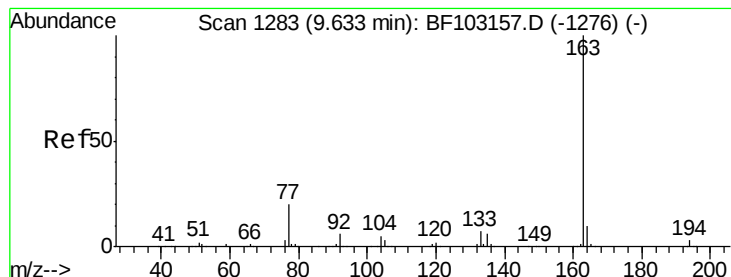
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 4.577 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

Instrument :

BNA_F

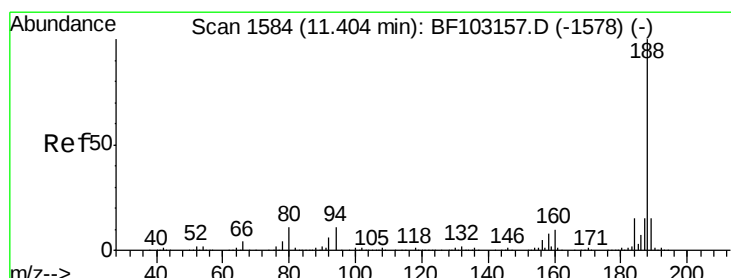
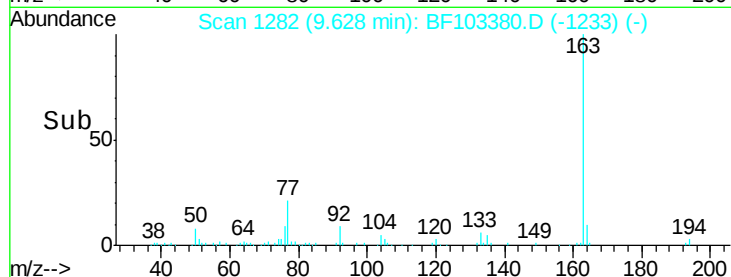
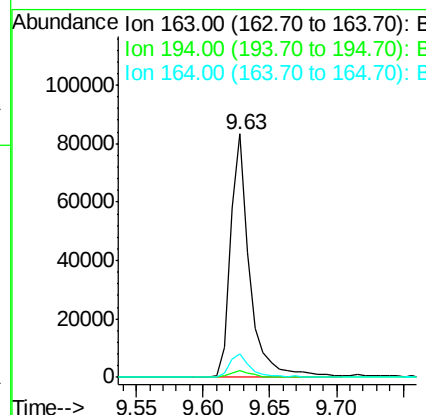
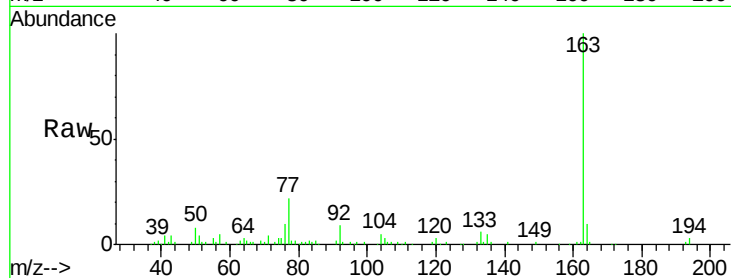
ClientSampled :

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Tot Ion:	163	Resp:	84245
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.7	4.1
164	9.8	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

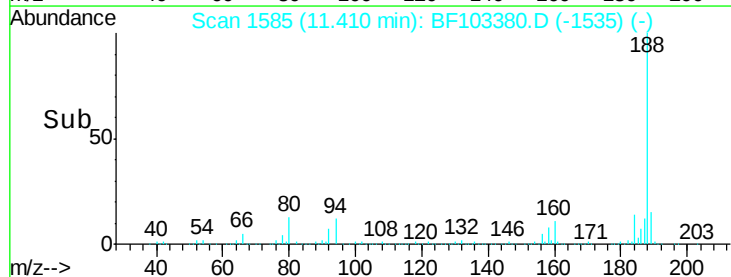
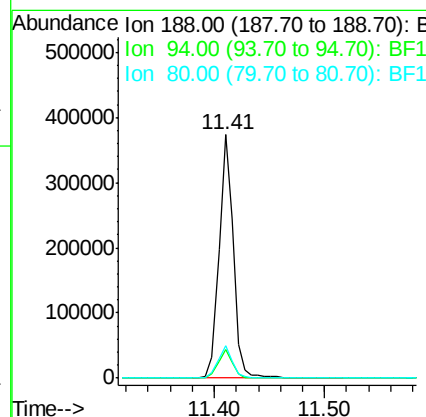
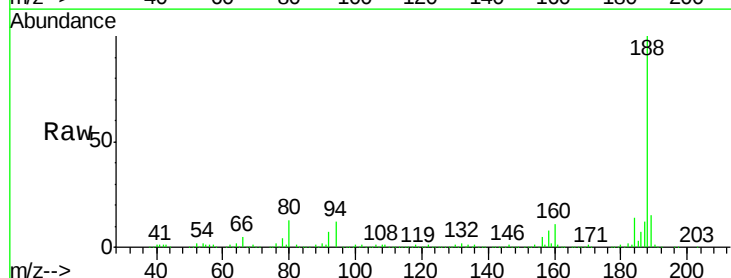
RT: 11.41 min Scan# 1585

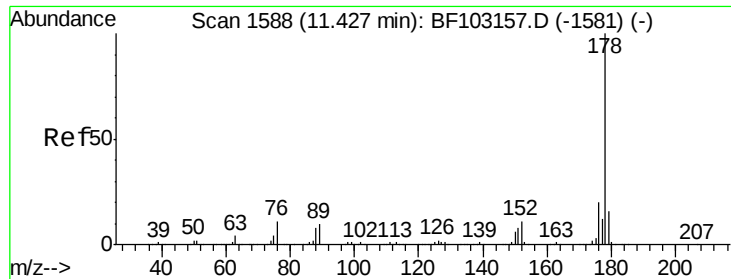
Delta R.T. -0.01 min

Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

Tgt Ion:	188	Resp:	330487
Ion Ratio	Lower	Upper	
188	100		
94	11.8	8.5	12.7
80	13.2	9.2	13.8





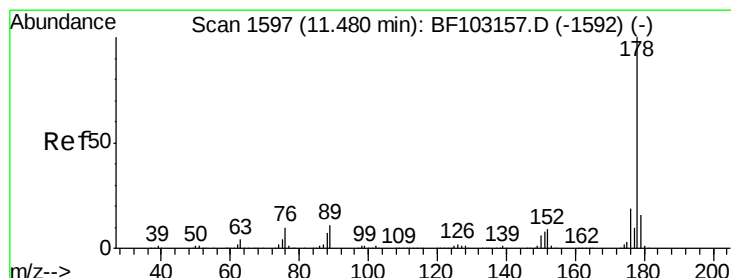
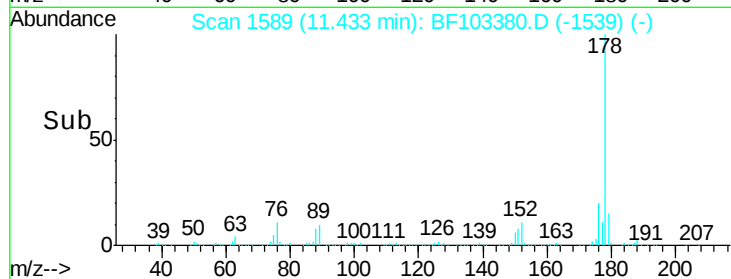
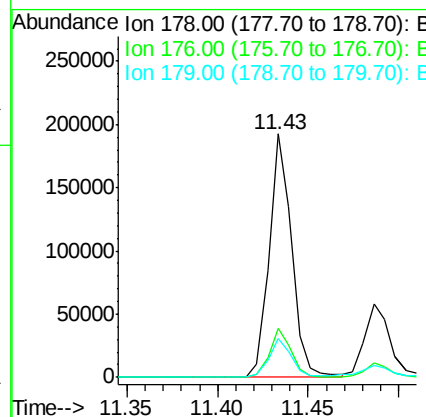
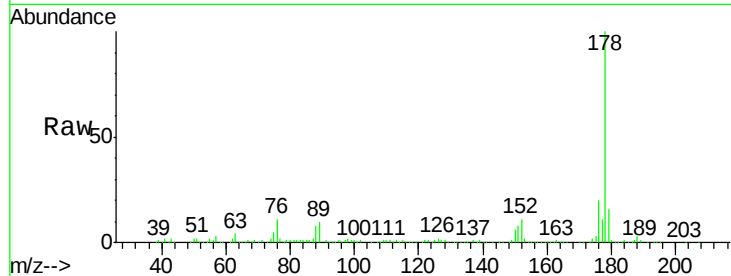
#70
Phenanthrene
Concen: 9.201 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

Instrument :
BNA_F
ClientSampled :
SP-46

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.7	13.0	19.6

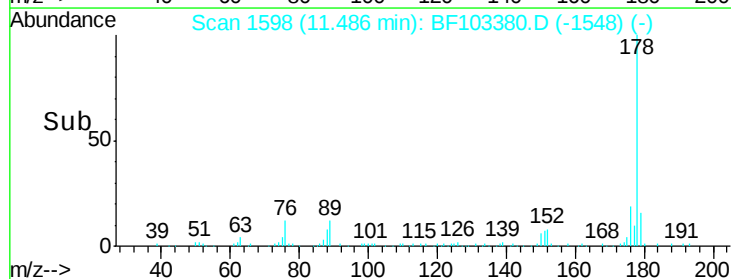
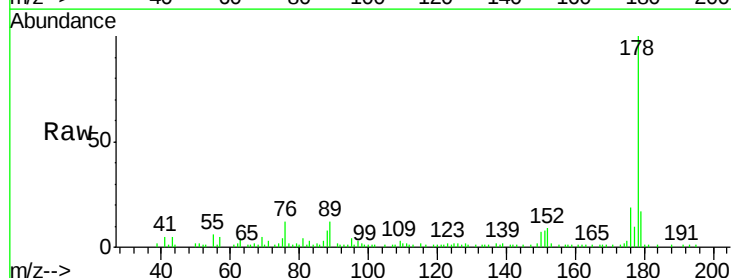
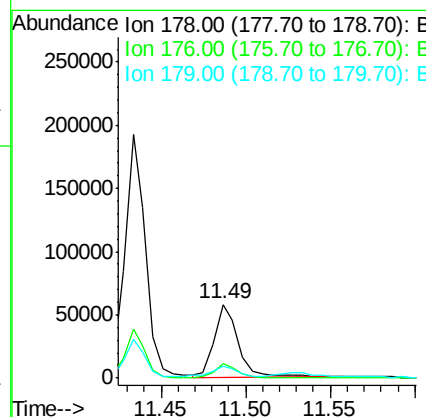
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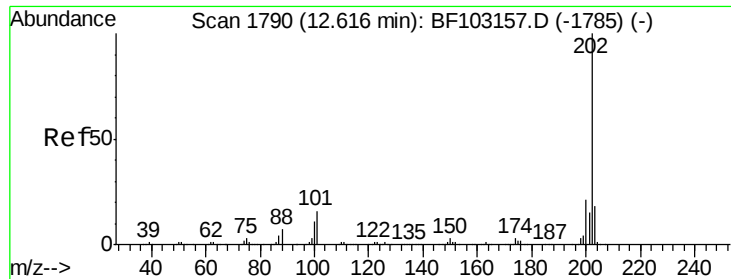
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#71
Anthracene
Concen: 3.118 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	17.0	12.6	19.0





#74

Fluoranthene

Concen: 16.663 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

Instrument :

BNA_F

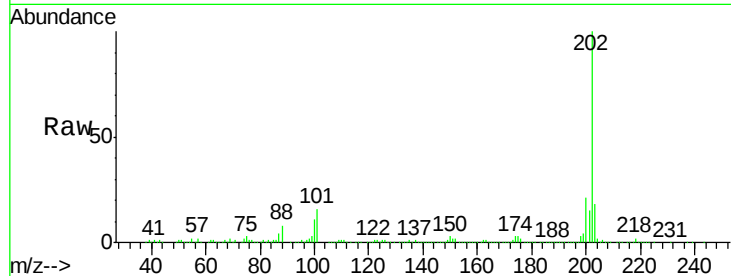
ClientSampleId :

SP-46

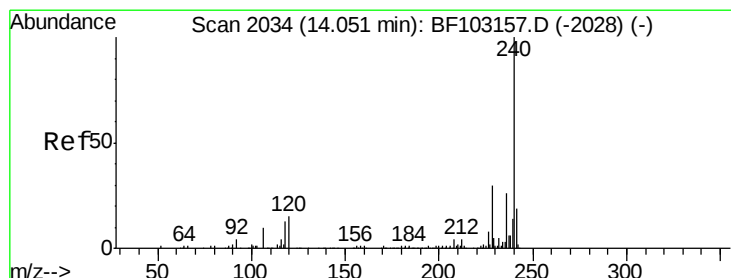
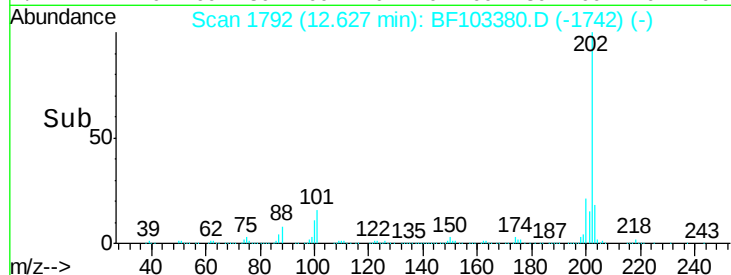
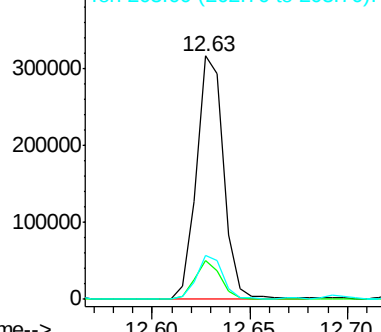
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	16.2	0.0	34.1
203	18.1	0.0	38.1

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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

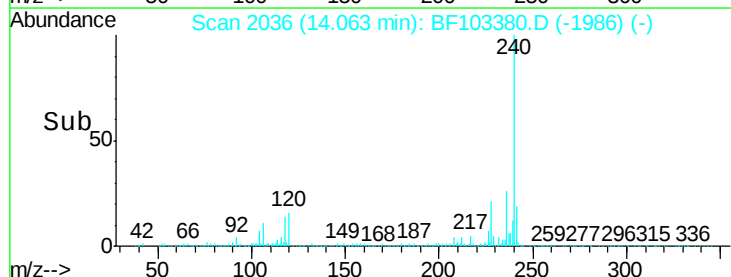
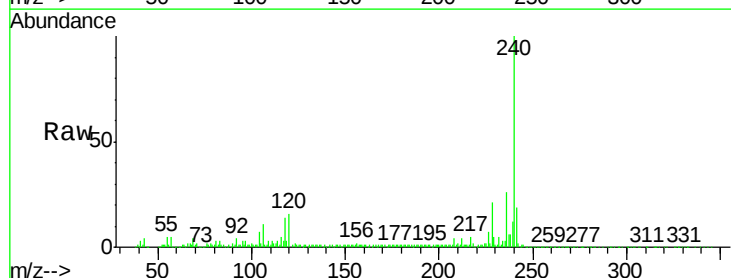
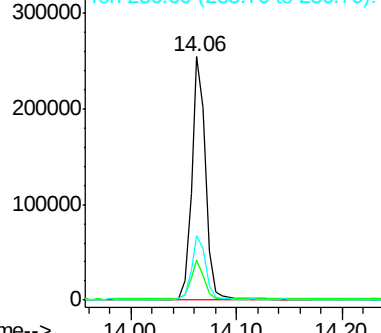
Delta R.T. -0.01 min

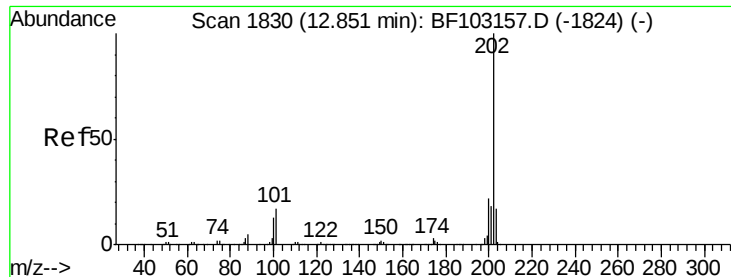
Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.3	9.5	14.3#
236	26.3	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





#77

Pvrene

Concen: 17.589 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

Instrument :

BNA_F

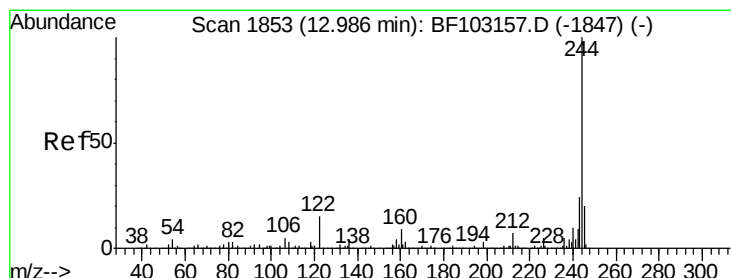
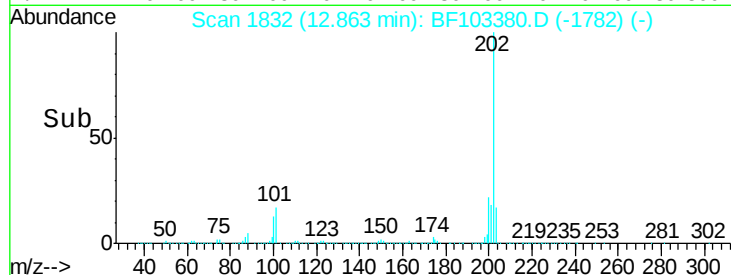
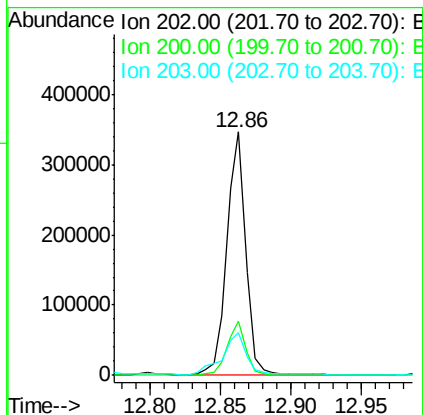
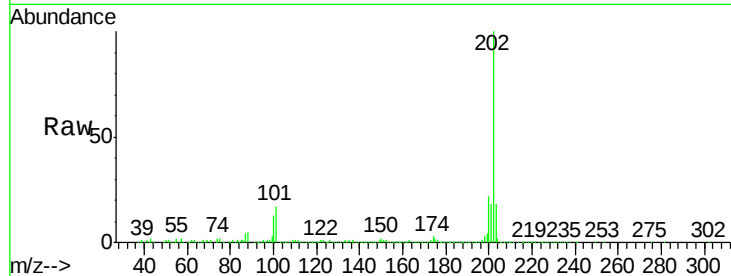
ClientSampleId :

SP-46

Tot Ion:	202	Resp:	321259
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.4	26.2
203	17.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 63.288 ng

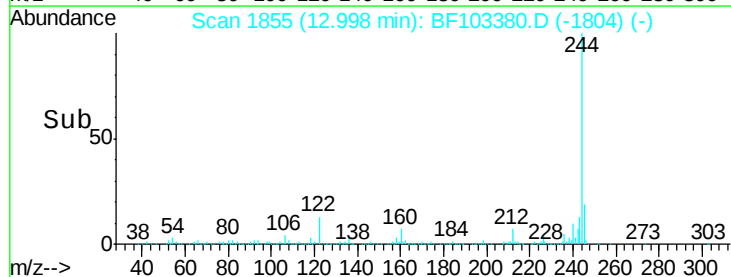
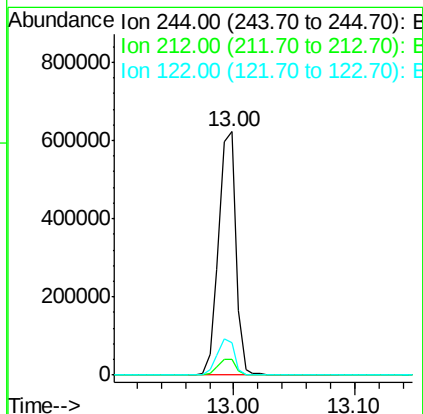
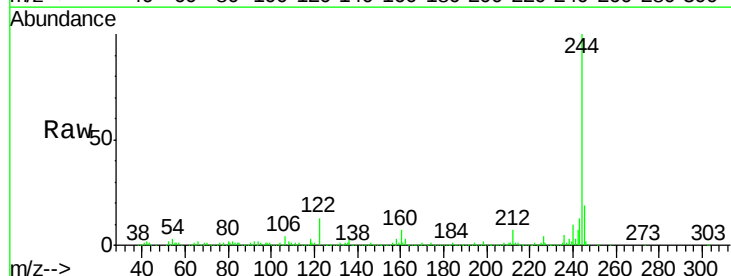
RT: 13.00 min Scan# 1855

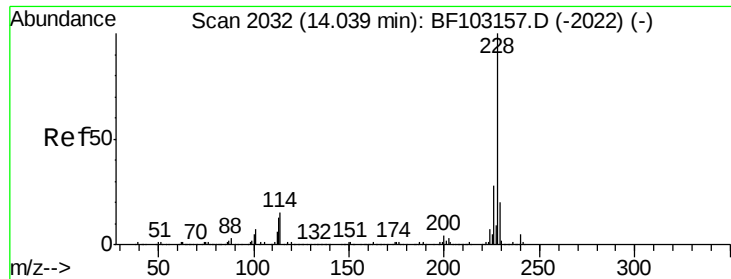
Delta R.T. 0.00 min

Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

Tgt Ion:	244	Resp:	616777
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	13.1	11.0	16.4





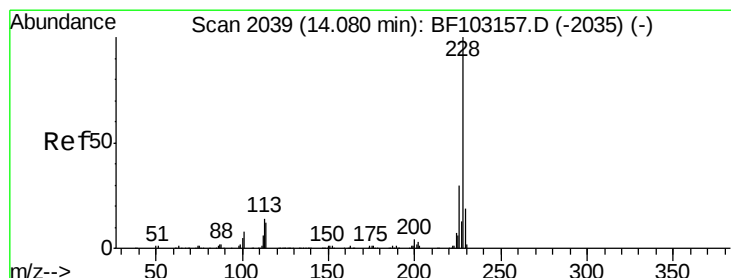
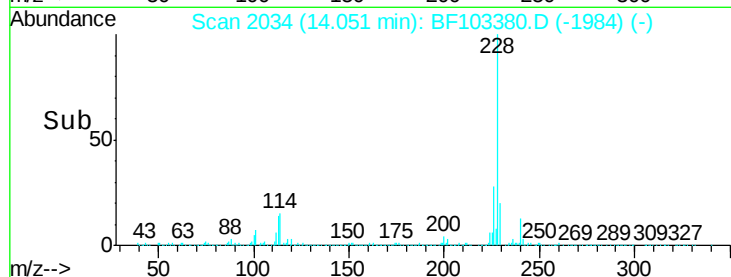
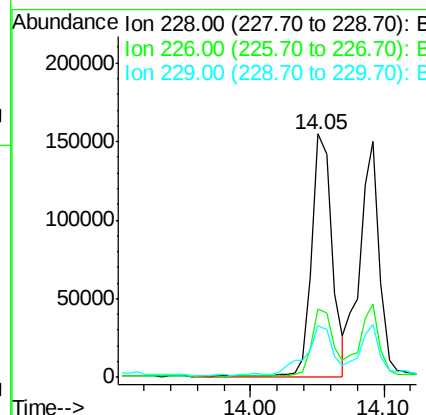
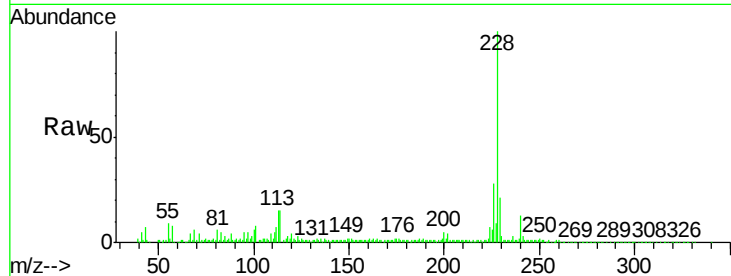
#80
Benzo(a)anthracene
Concen: 10.685 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

Instrument :
BNA_F
ClientSampleId :
SP-46

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	21.2	15.8	23.6

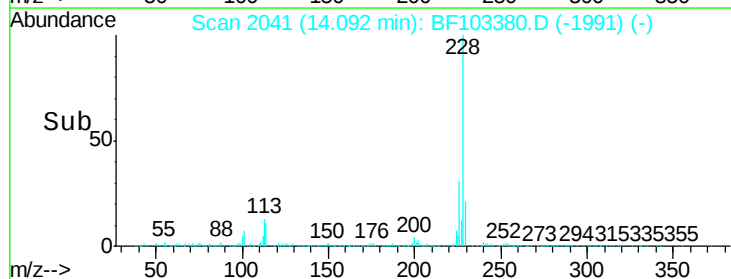
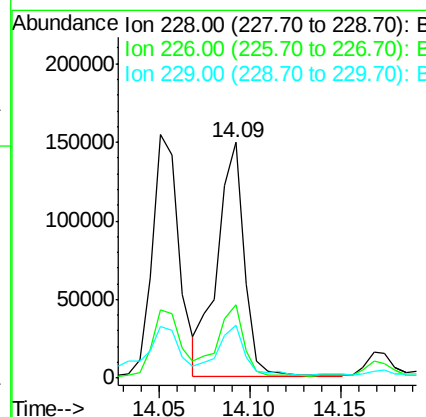
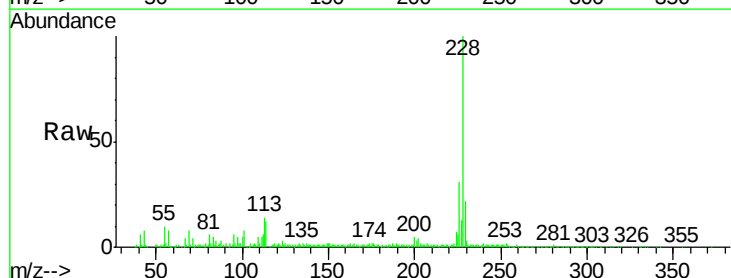
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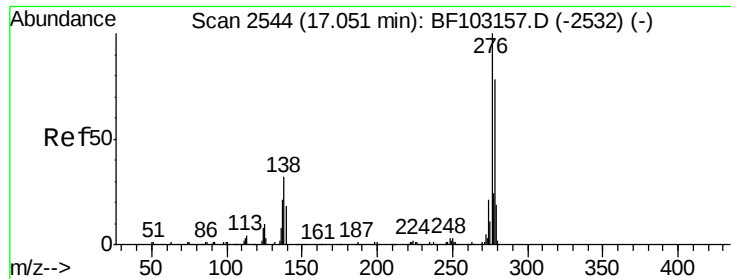
Sohil
3/5/2018 3:13:49 PM



#82
Chrysene
Concen: 10.531 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	22.3	16.2	24.4





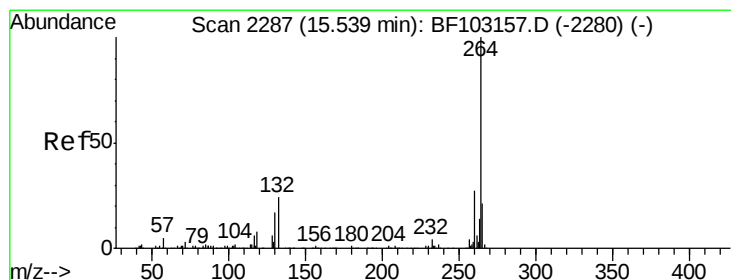
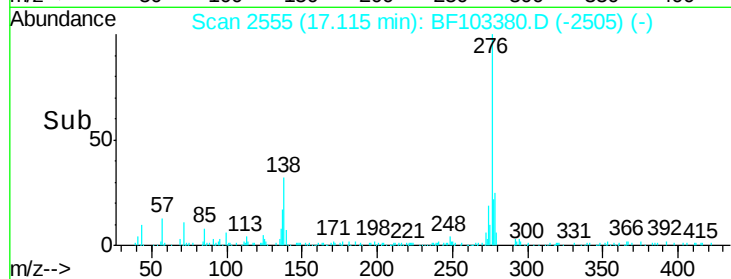
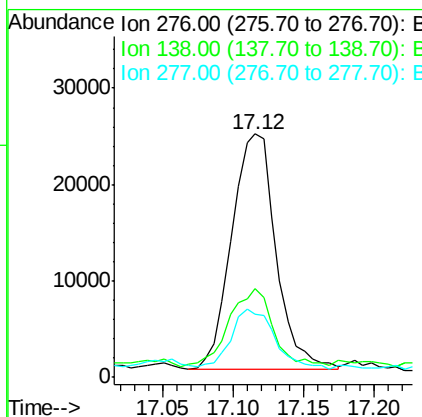
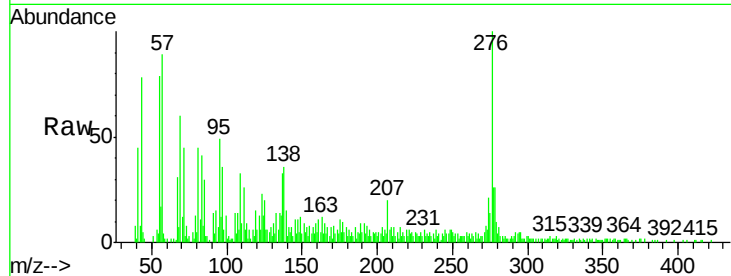
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.584 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

Instrument :
BNA_F
ClientSampleId :
SP-46

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.6	25.0	37.6
277	25.2	20.1	30.1

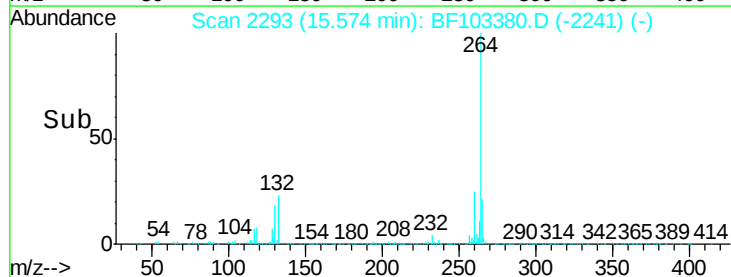
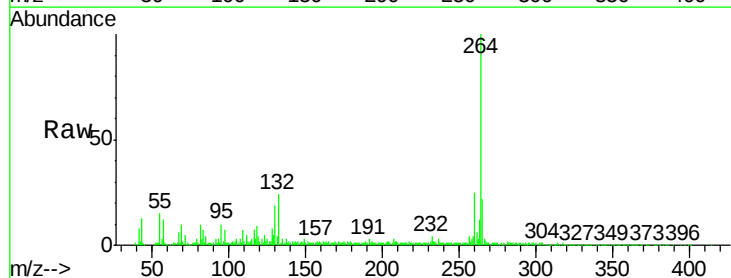
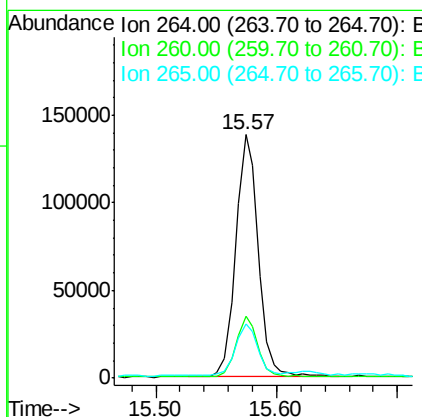
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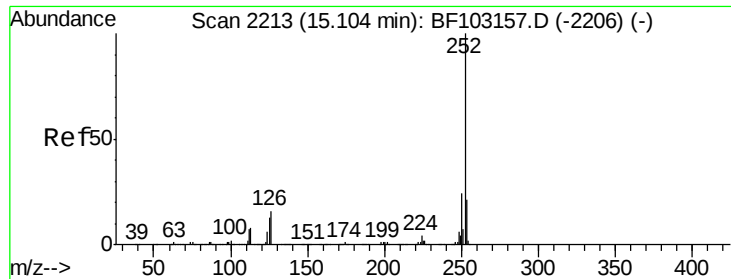
Sohil
3/5/2018 3:13:49 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.01 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	22.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 14.303 ng m

RT: 15.13 min Scan# 2218

Delta R.T. 0.00 min

Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

Instrument :

BNA_F

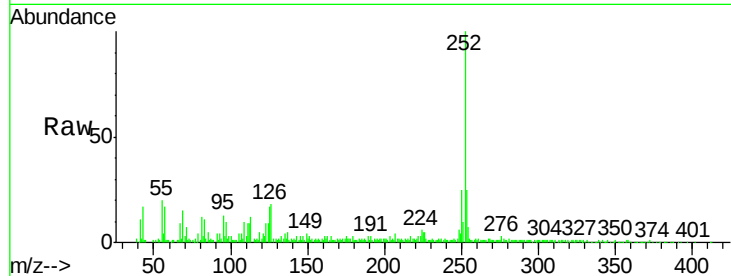
ClientSampleId :

SP-46

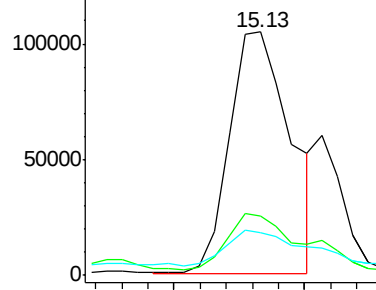
Tot Ion:	252	Resp:	169397
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.0	25.6
125	17.4	9.0	13.6#

Manual Integrations
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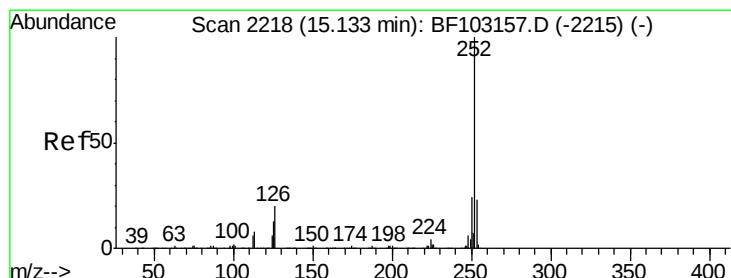
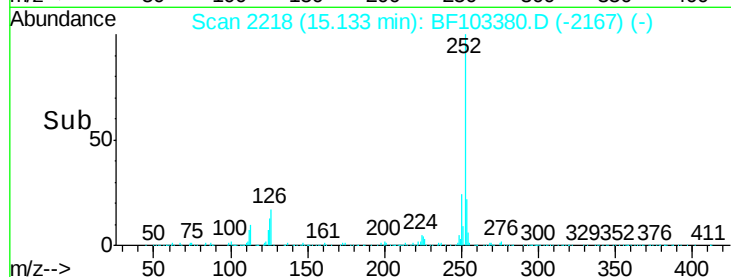
Sohil
3/5/2018 3:13:49 PM



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



Time-->



#88

Benzo(k)fluoranthene

Concen: 4.054 ng m

RT: 15.16 min Scan# 2222

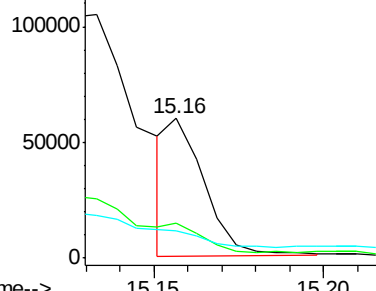
Delta R.T. -0.01 min

Lab File: BF103380.D

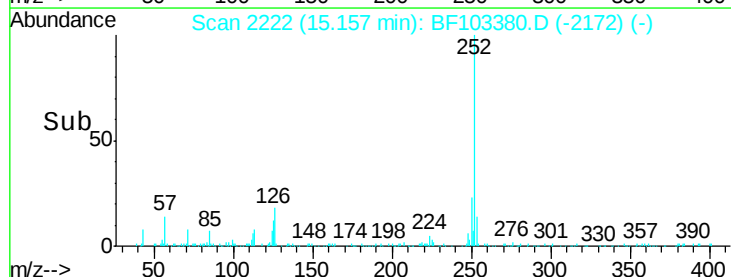
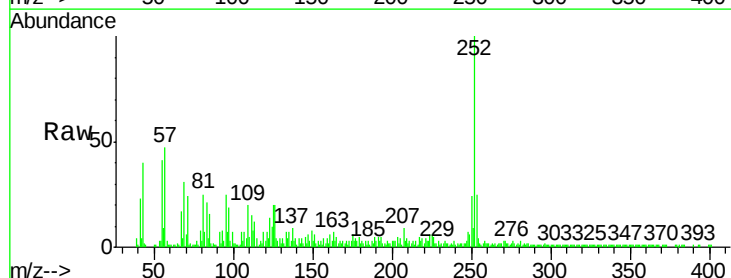
Acq: 2 Mar 2018 21:55

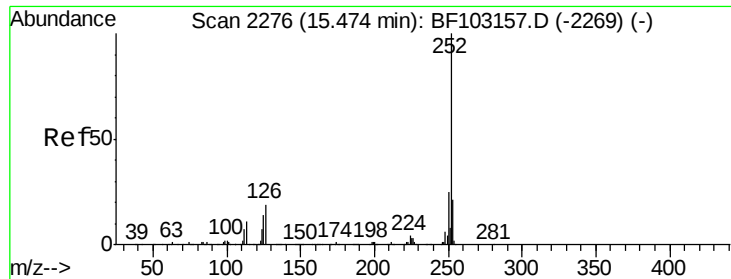
Tgt Ion:	252	Resp:	45211
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.9	26.9
125	19.7	10.2	15.2#

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



Time-->





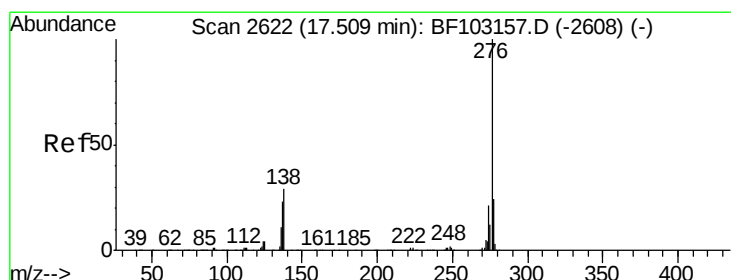
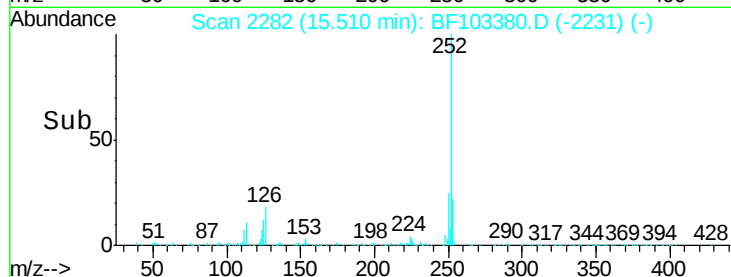
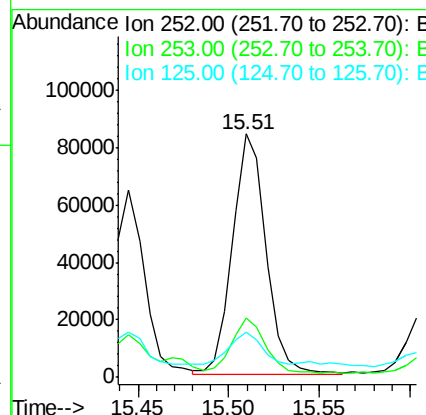
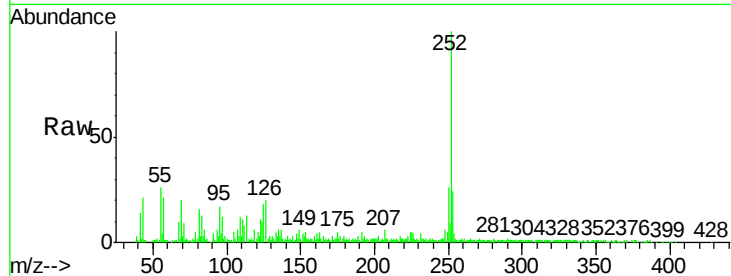
#89
Benzo(a)pyrene
Concen: 10.145 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.00 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

Instrument :
BNA_F
ClientSampleId :
SP-46

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	18.4	9.8	14.6

Manual Integrations
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Sohil
3/5/2018 3:13:49 PM



#91
Benzo(g,h,i)perylene
Concen: 6.880 ng
RT: 17.59 min Scan# 2635
Delta R.T. 0.01 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	33.2	21.8	32.8

