

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103383.D
 Acq On : 2 Mar 2018 23:14
 Operator : SJ/JU
 Sample : J1721-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-27

Manual Integrations
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Sohil
 3/5/2018 3:13:58 PM

Quant Time: Mar 03 00:24:02 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	144440	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	592311	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	232547	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	326521	20.00	ng	0.00
75) Chrysene-d12	14.07	240	219572	20.00	ng	0.00
86) Perylene-d12	15.58	264	164117	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1017288	106.52	ng	0.00
7) Phenol-d6	6.52	99	1192399	102.04	ng	0.00
23) Nitrobenzene-d5	7.45	82	751257	72.43	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	154112	78.29	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	999429	71.20	ng	0.00
78) Terphenyl-d14	13.00	244	617571	67.61	ng	0.00
Target Compounds						
10) Phenol	6.53	94	35610	2.625	ng	Qvalue # 74
49) Dimethylphthalate	9.63	163	103816	5.565	ng	98
51) Acenaphthene	9.95	154	29946	2.165	ng	97
57) Fluorene	10.47	166	40829	2.524	ng	98
70) Phenanthrene	11.43	178	388033	21.594	ng	99
71) Anthracene	11.49	178	118299	6.420	ng	99
72) Carbazole	11.65	167	43513	2.371	ng	97
74) Fluoranthene	12.63	202	489028	27.082	ng	99
77) Pyrene	12.86	202	440491	25.731	ng	99
80) Benzo(a)anthracene	14.06	228	209088m	14.676	ng	
82) Chrysene	14.09	228	192851m	13.941	ng	
85) Indeno(1,2,3-cd)pyrene	17.12	276	59663	5.448	ng	99
87) Benzo(b)fluoranthene	15.13	252	181028m	16.777	ng	
88) Benzo(k)fluoranthene	15.16	252	64584m	6.356	ng	
89) Benzo(a)pyrene	15.52	252	126811	13.160	ng	# 94
90) Dibenzo(a,h)anthracene	17.12	278	15890	2.134	ng	# 61
91) Benzo(a,h,i)perylene	17.59	276	61881	8.504	ng	# 91

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

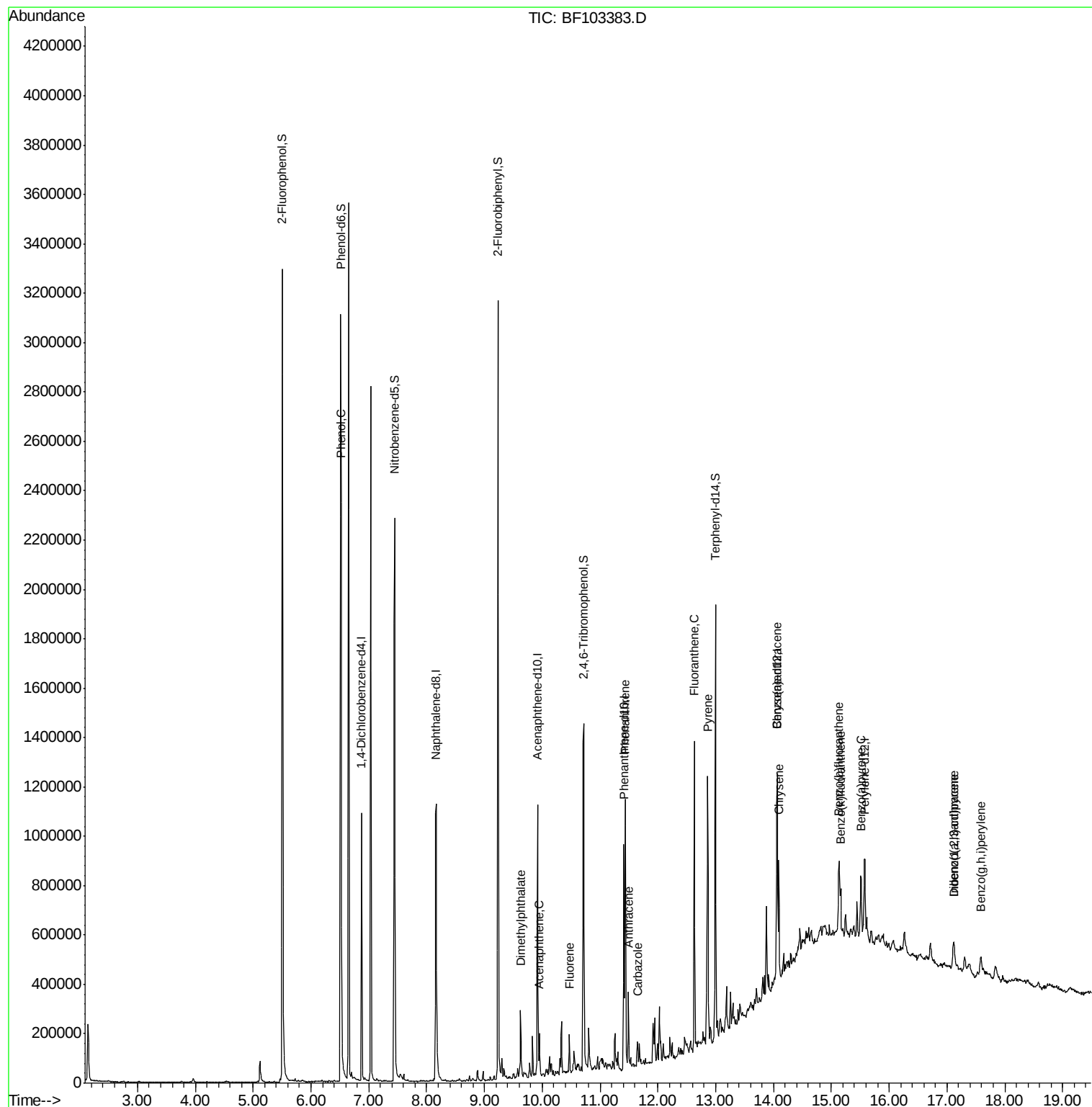
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
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Acq On : 2 Mar 2018 23:14
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
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#1

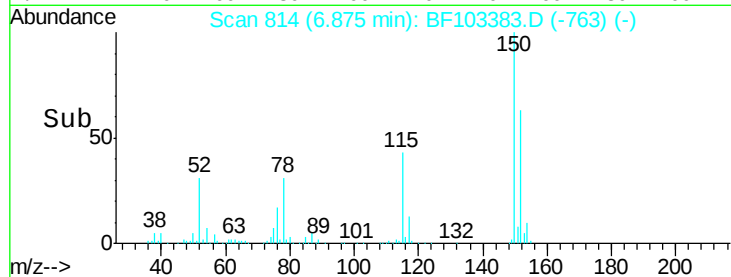
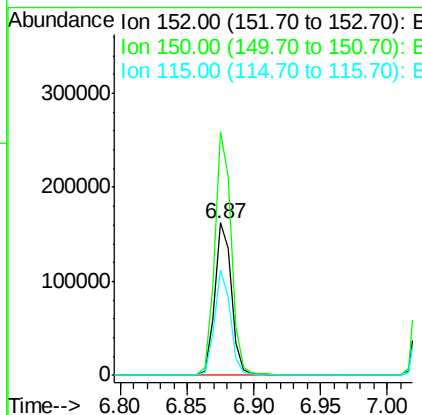
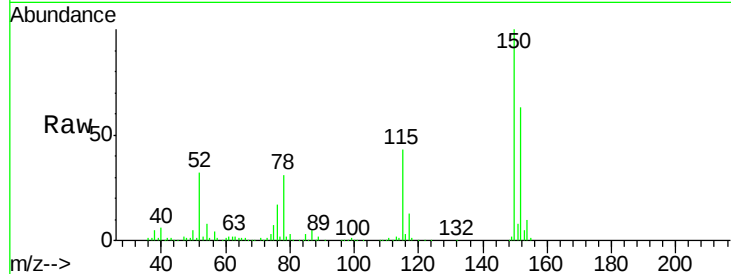
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103383.D
Acq: 2 Mar 2018 23:14

Instrument :
BNA_F
ClientSampleId :
SP-27

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.6	186.8
115	69.1	50.1	75.1

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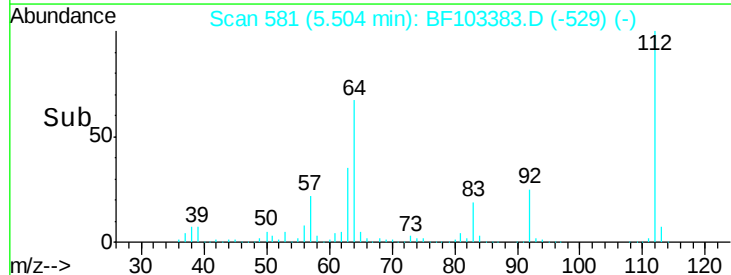
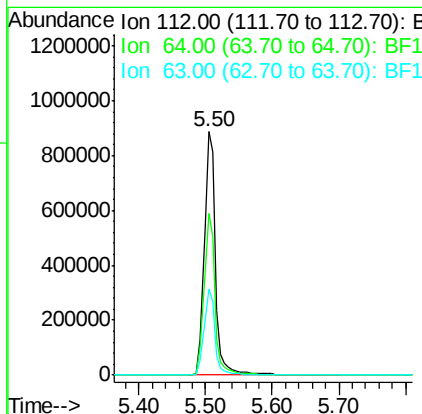
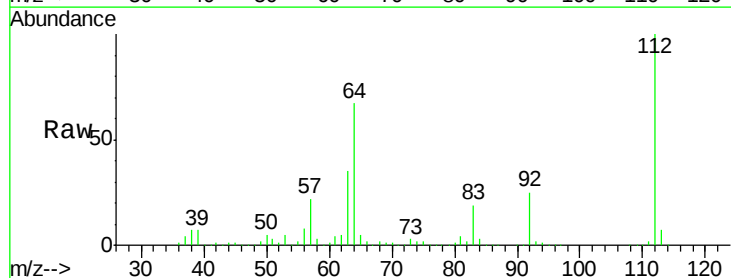
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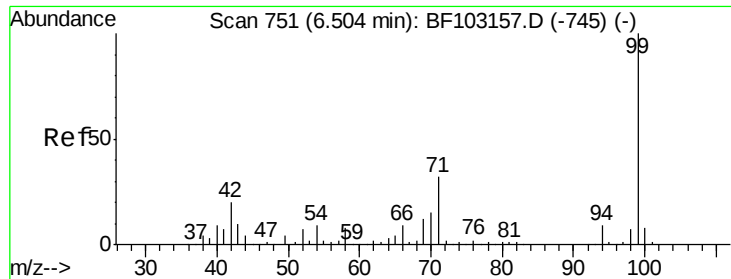


#5

2-Fluorophenol
Concen: 106.520 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103383.D
Acq: 2 Mar 2018 23:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	47.9	71.9
63	35.4	23.7	35.5





#7

Phenol-d6

Concen: 102.036 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF103383.D

Acq: 2 Mar 2018 23:14

Instrument :

BNA_F

ClientSampled :

SP-27

Tot Ion: 99 Resp: 1192399

Ion Ratio Lower Upper

99 100

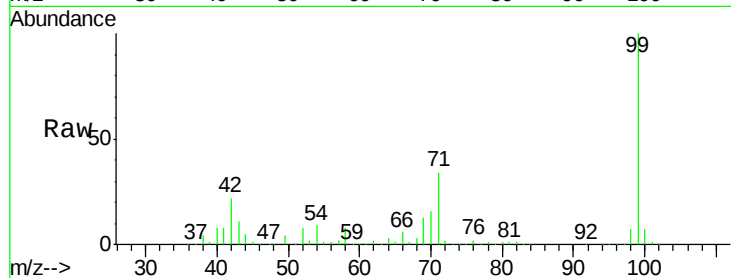
42 21.6 14.5 21.7

71 34.3 25.4 38.0

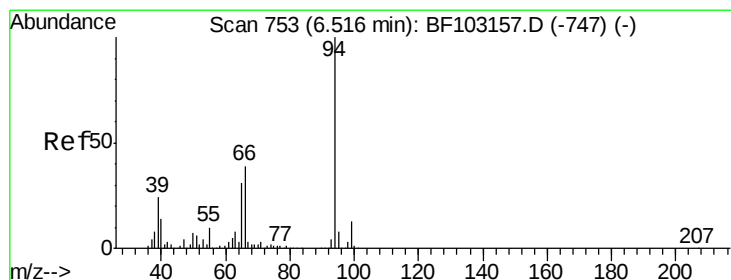
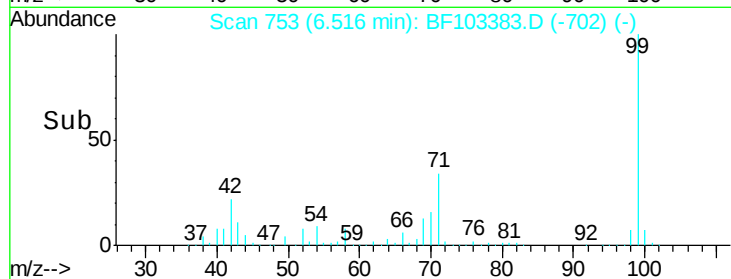
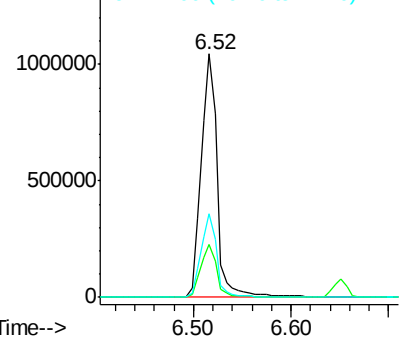
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.625 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF103383.D

Acq: 2 Mar 2018 23:14

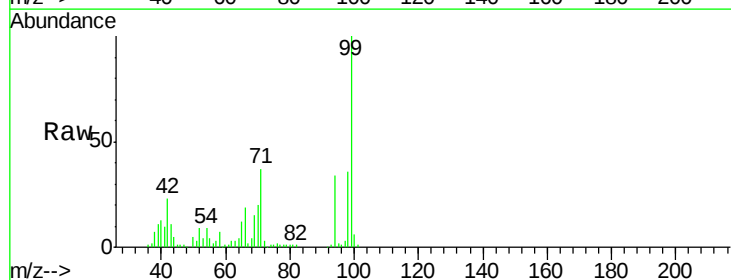
Tgt Ion: 94 Resp: 35610

Ion Ratio Lower Upper

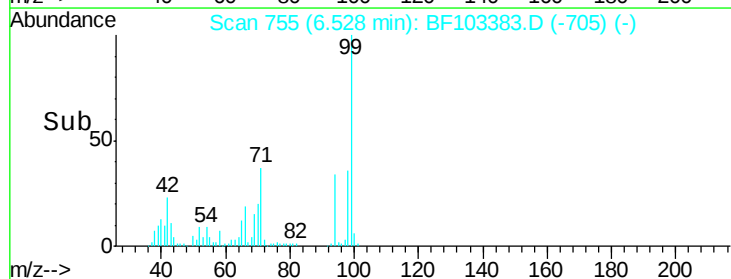
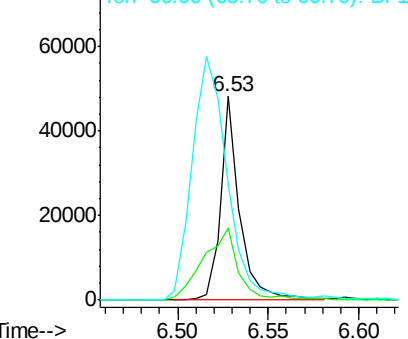
94 100

65 35.6 7.9 47.9

66 56.5 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





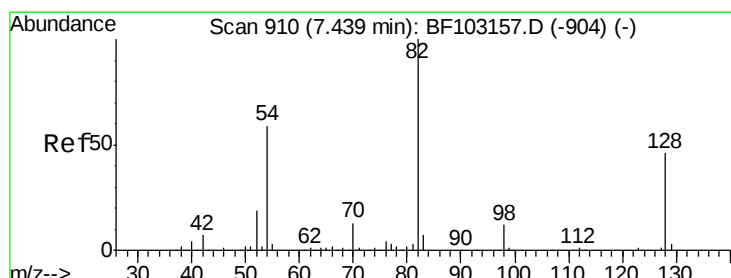
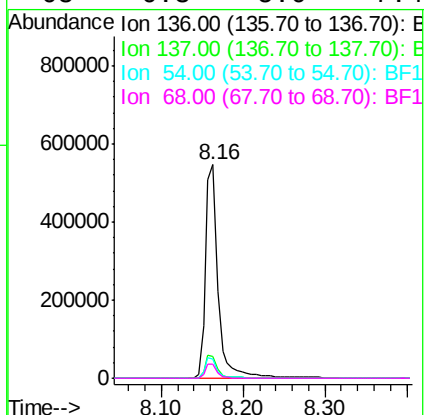
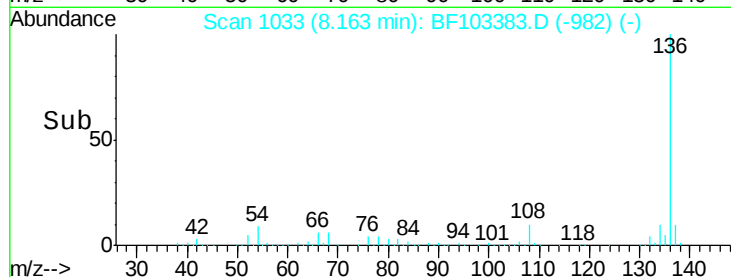
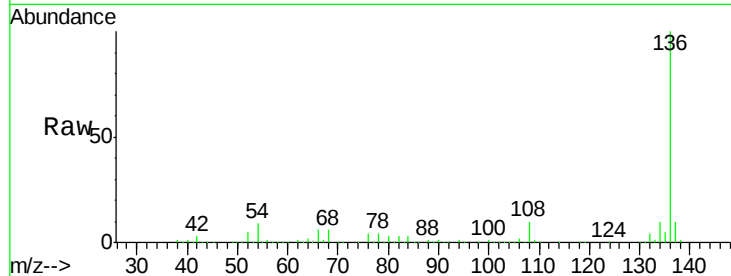
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BF103383.D
Acq: 2 Mar 2018 23:14

Instrument :
BNA_F
ClientSampleId :
SP-27

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.5	8.9	13.3		
54	8.7	6.6	9.8		
68	6.3	5.0	7.4		

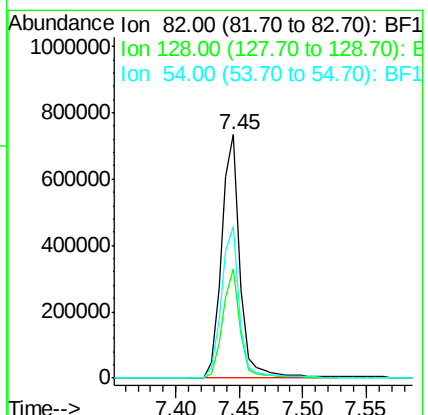
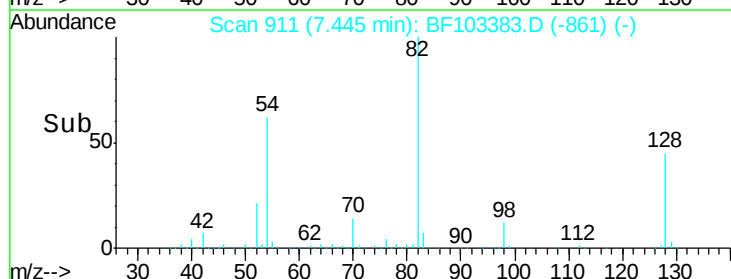
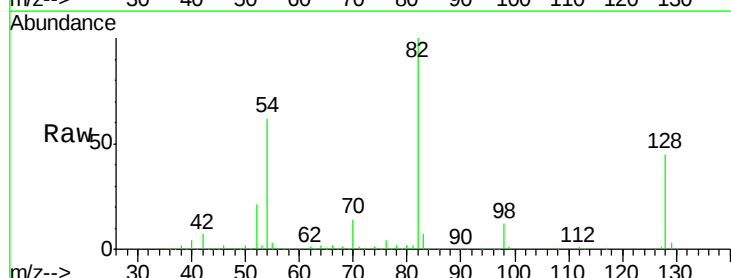
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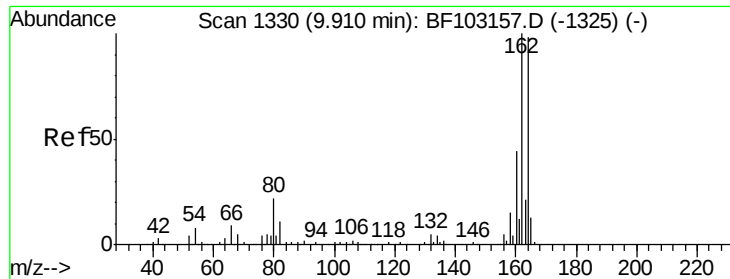
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#23
Nitrobenzene-d5
Concen: 72.433 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF103383.D
Acq: 2 Mar 2018 23:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	44.7	36.1	54.1		
54	62.2	41.4	62.2		





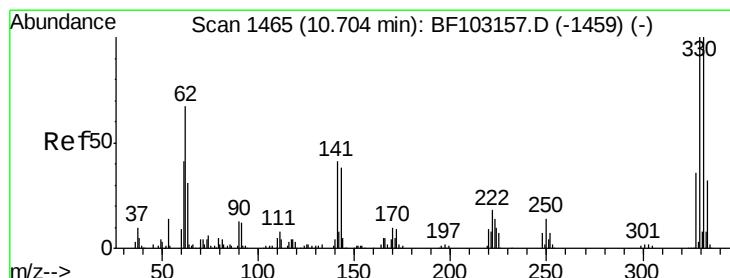
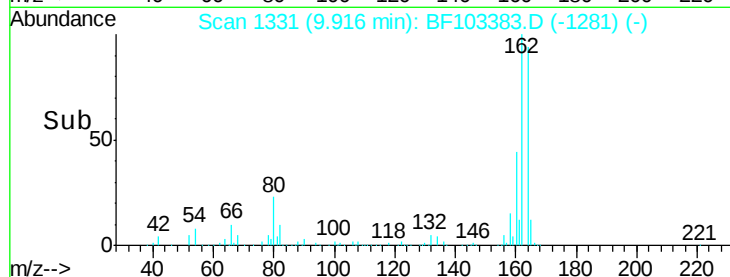
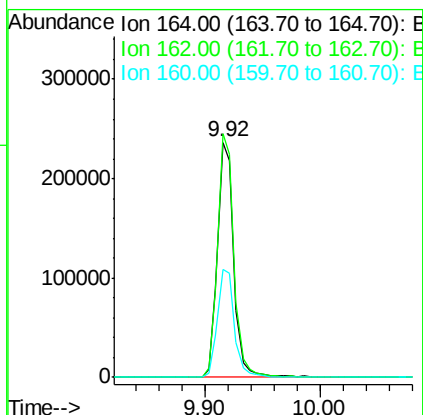
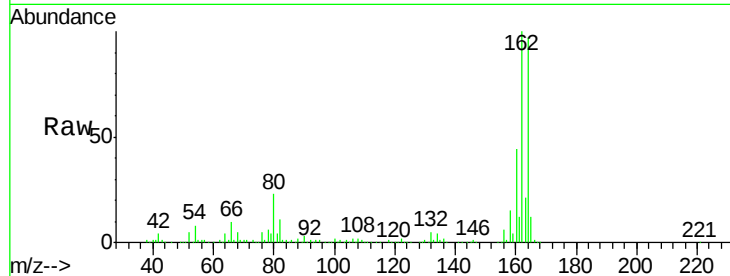
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103383.D
Acq: 2 Mar 2018 23:14

Instrument :
BNA_F
ClientSampleId :
SP-27

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	45.8	38.3	57.5

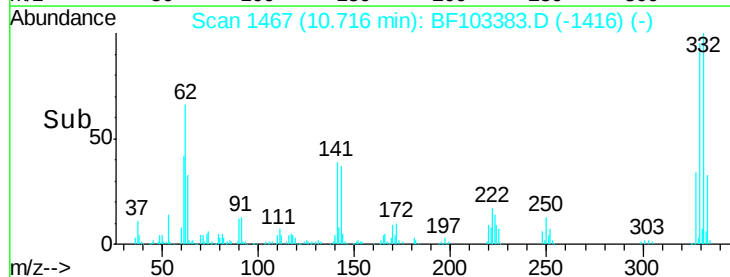
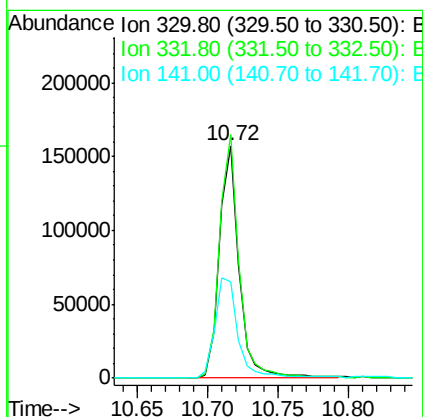
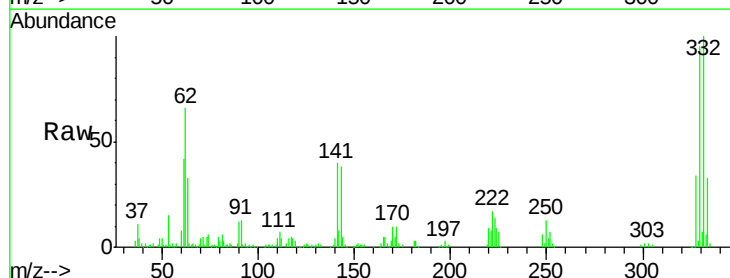
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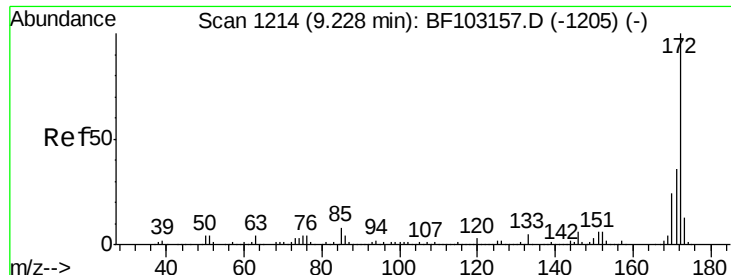
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#41
2,4,6-Tribromophenol
Concen: 78.294 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.00 min
Lab File: BF103383.D
Acq: 2 Mar 2018 23:14

Tgt Ion	Ratio	Lower	Upper
330	100		
332	103.9	77.0	115.6
141	49.2	29.9	44.9#





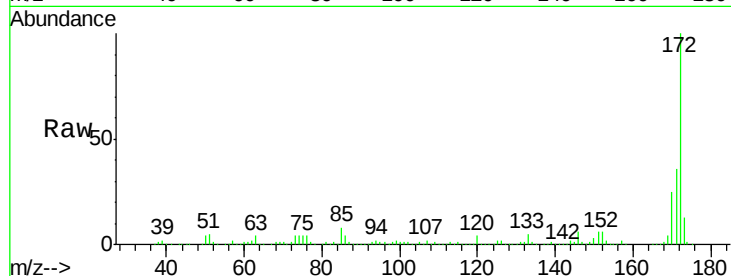
#44
2-Fluorobiphenyl
Concen: 71.199 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103383.D
Acq: 2 Mar 2018 23:14

Instrument :
BNA_F
ClientSampleId :
SP-27

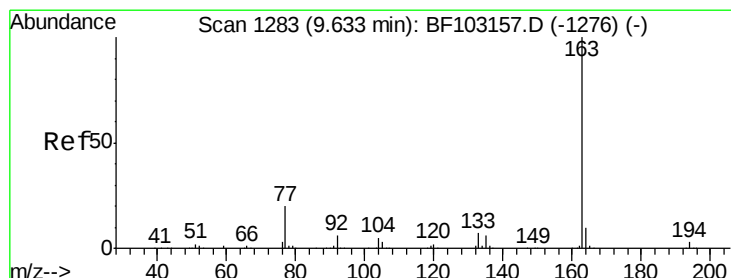
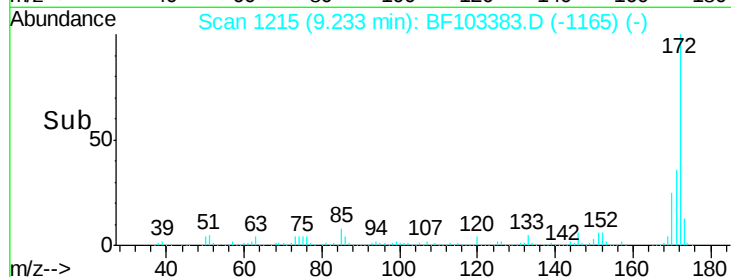
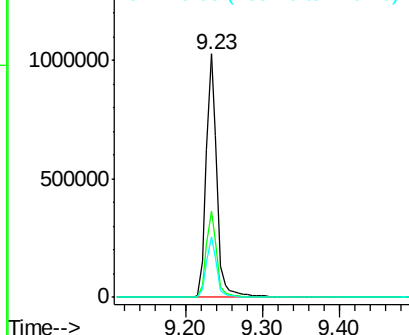
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	24.7	19.6	29.4

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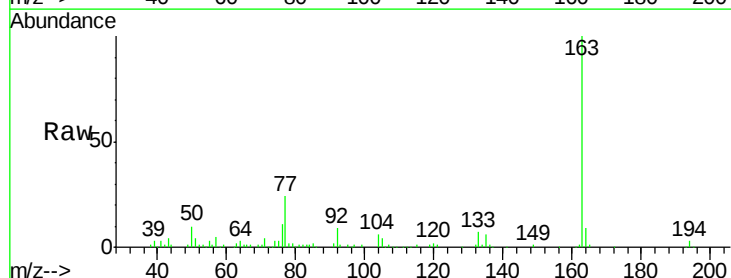


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

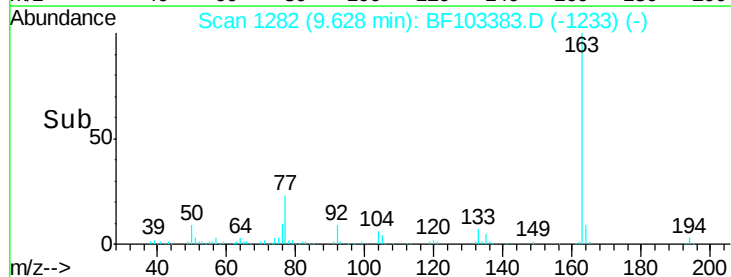
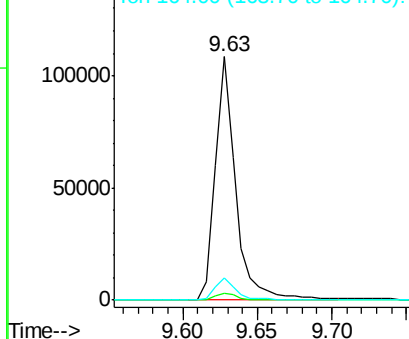


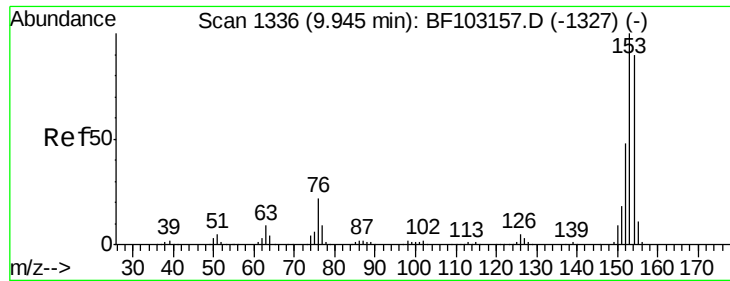
#49
Dimethylphthalate
Concen: 5.565 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103383.D
Acq: 2 Mar 2018 23:14

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.7	4.1
164	9.4	8.2	12.2



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





#51

Acenaphthene

Concen: 2.165 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF103383.D

Acq: 2 Mar 2018 23:14

Instrument :

BNA_F

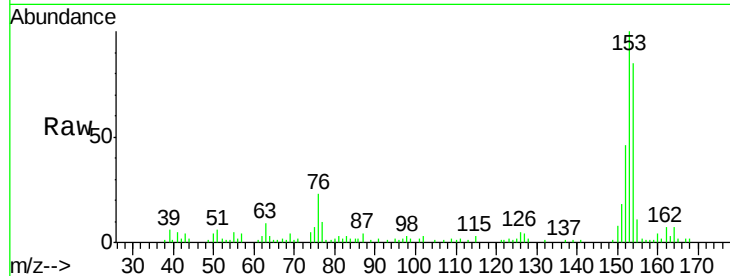
ClientSampled :

SP-27

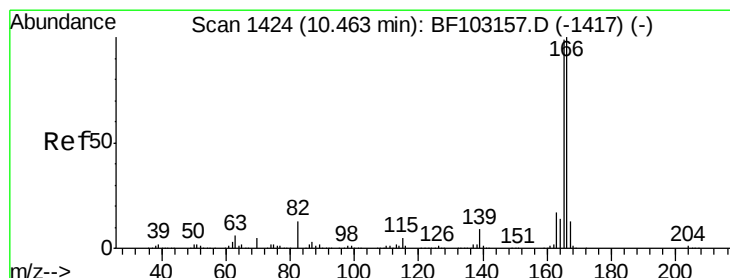
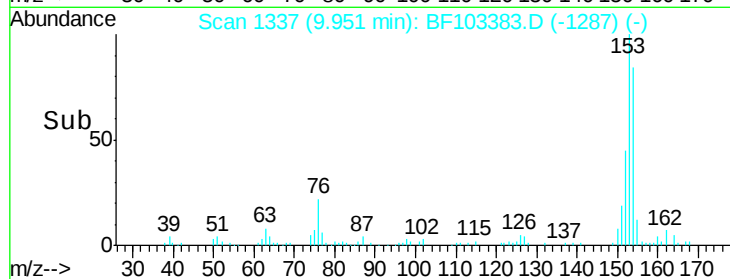
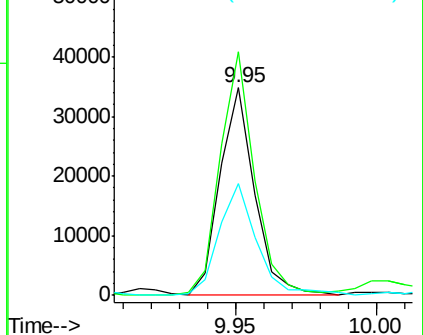
Tot Ion:	154	Resp:	29946
Ion Ratio	Lower	Upper	
154	100		
153	117.2	91.2	136.8
152	53.6	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.524 ng

RT: 10.47 min Scan# 1425

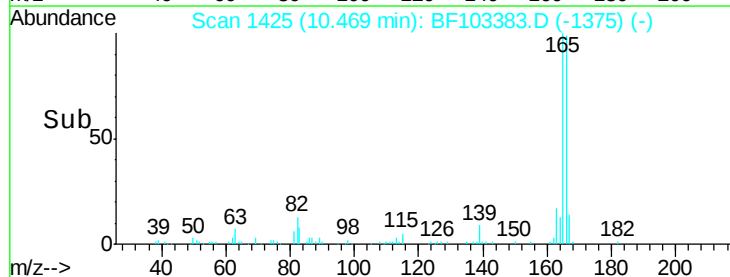
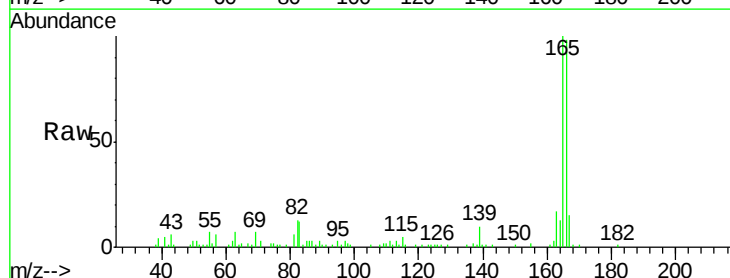
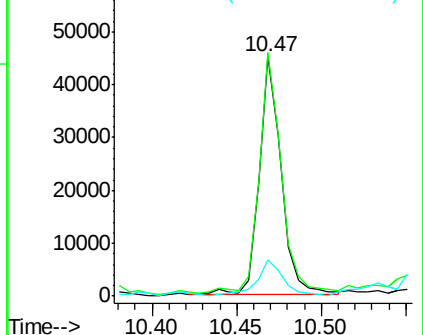
Delta R.T. -0.01 min

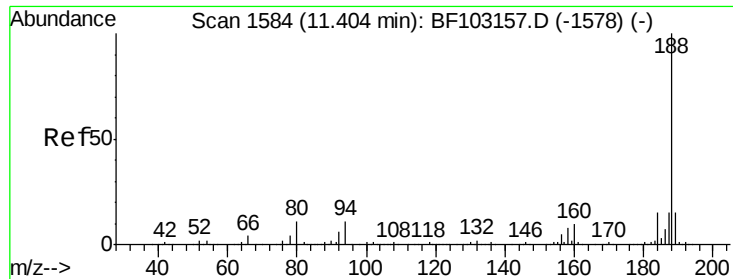
Lab File: BF103383.D

Acq: 2 Mar 2018 23:14

Tgt Ion:	166	Resp:	40829
Ion Ratio	Lower	Upper	
166	100		
165	101.6	79.8	119.8
167	15.3	10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF103383.D

Acq: 2 Mar 2018 23:14

Instrument :

BNA_F

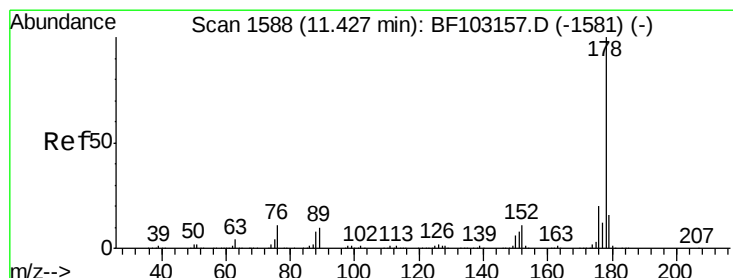
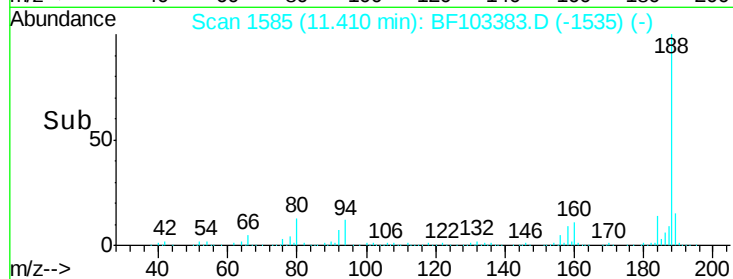
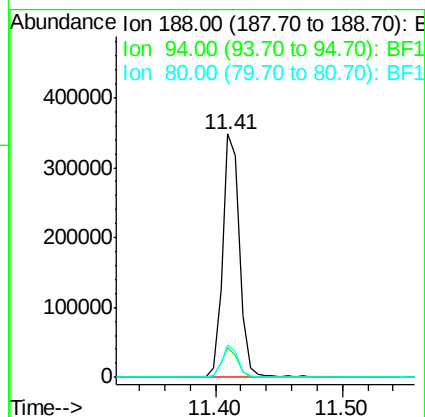
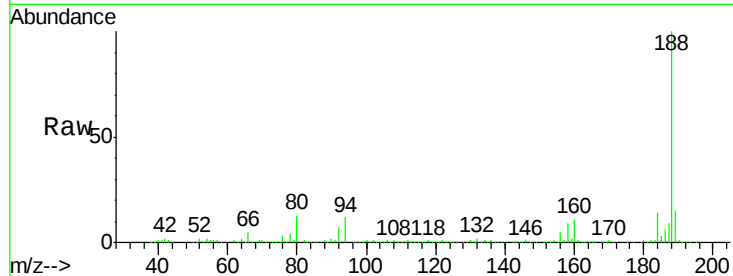
ClientSampleId :

SP-27

Tot Ion:	188	Resp:	326521
Ion Ratio	Lower	Upper	
188	100		
94	12.3	8.5	12.7
80	13.4	9.2	13.8

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#70

Phenanthrene

Concen: 21.594 ng

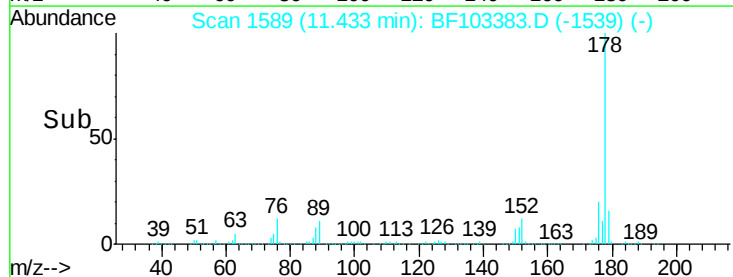
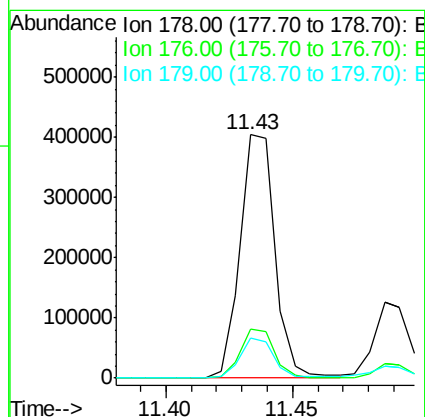
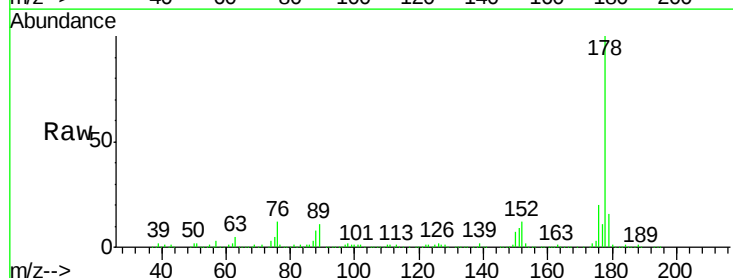
RT: 11.43 min Scan# 1589

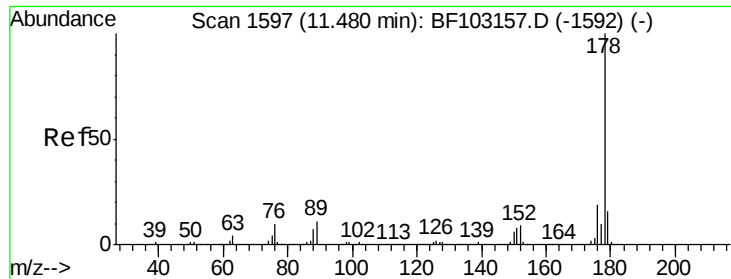
Delta R.T. -0.01 min

Lab File: BF103383.D

Acq: 2 Mar 2018 23:14

Tgt Ion:	178	Resp:	388033
Ion Ratio	Lower	Upper	
178	100		
176	20.3	15.8	23.8
179	16.2	13.0	19.6





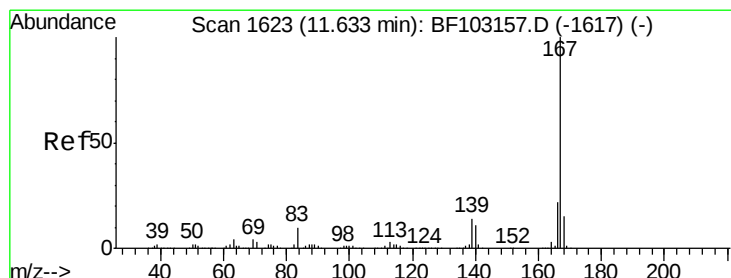
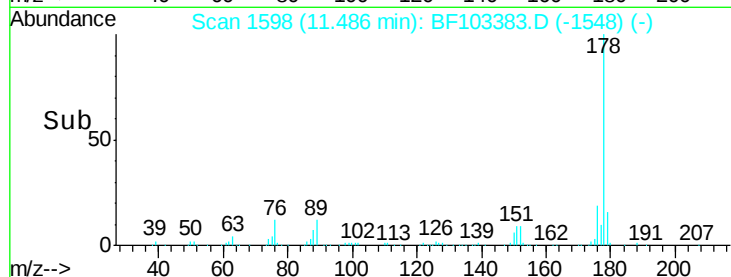
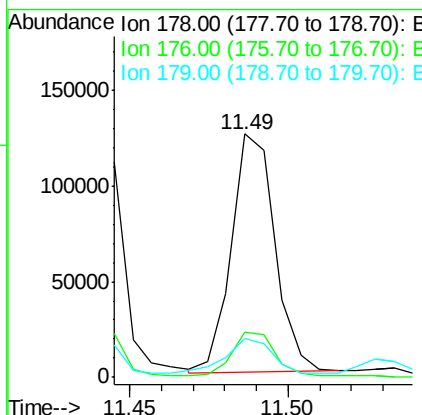
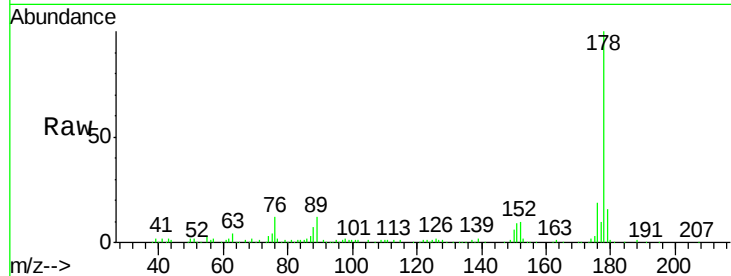
#71
 Anthracene
 Concen: 6.420 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF103383.D
 Acq: 2 Mar 2018 23:14

Instrument :
 BNA_F
 ClientSampleId :
 SP-27

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.7	12.6	19.0

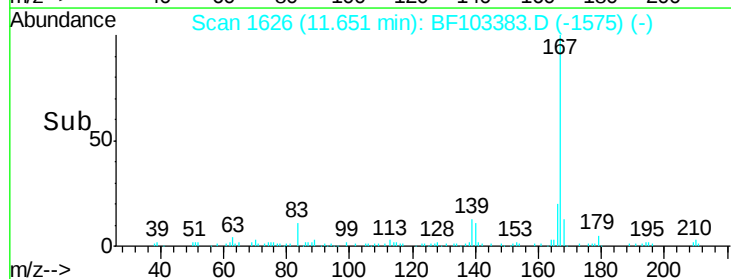
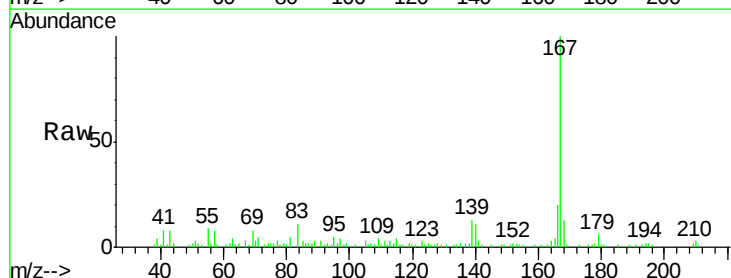
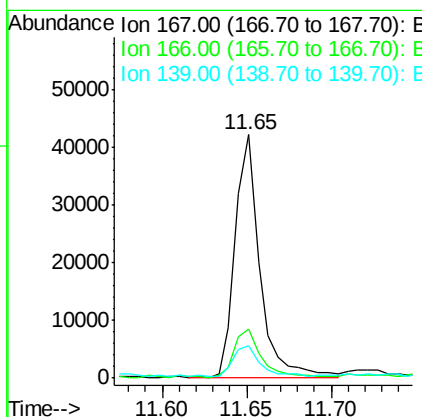
Manual Integrations
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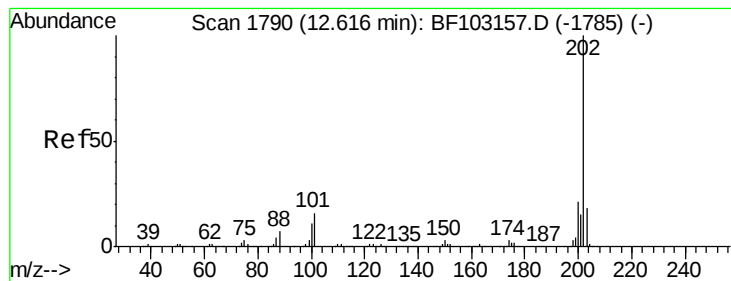
Sohil
 3/5/2018 3:13:58 PM



#72
 Carbazole
 Concen: 2.371 ng
 RT: 11.65 min Scan# 1626
 Delta R.T. 0.00 min
 Lab File: BF103383.D
 Acq: 2 Mar 2018 23:14

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.3	17.6	26.4
139	13.2	10.9	16.3





#74

Fluoranthene

Concen: 27.082 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF103383.D

Acq: 2 Mar 2018 23:14

Instrument :

BNA_F

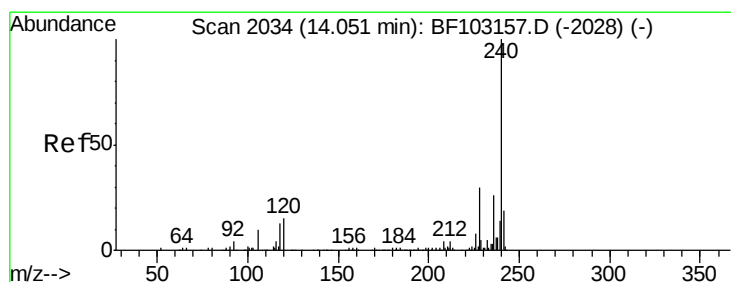
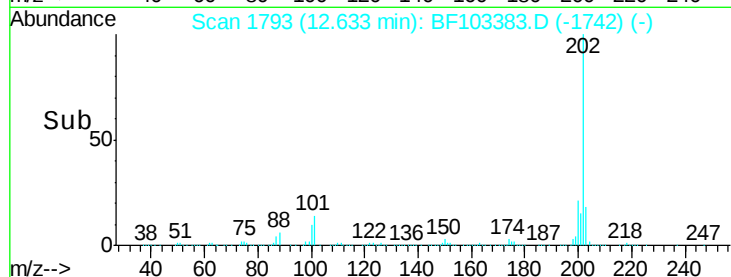
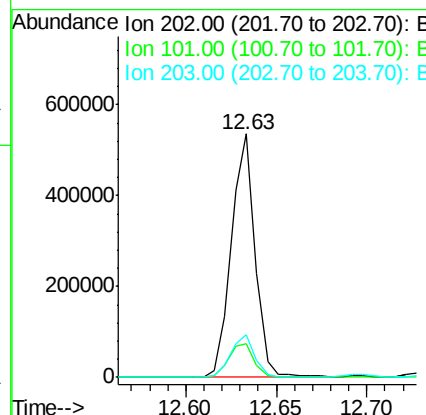
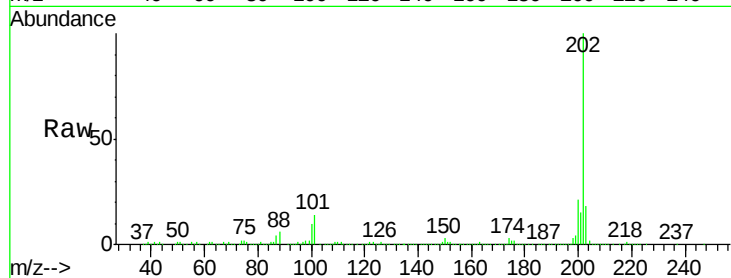
ClientSampled :

SP-27

Tot Ion:	202	Resp:	489028
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	34.1
203	17.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

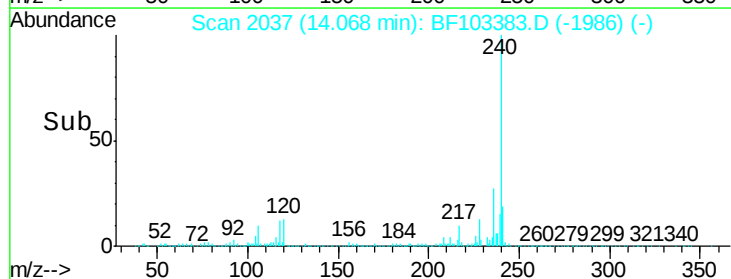
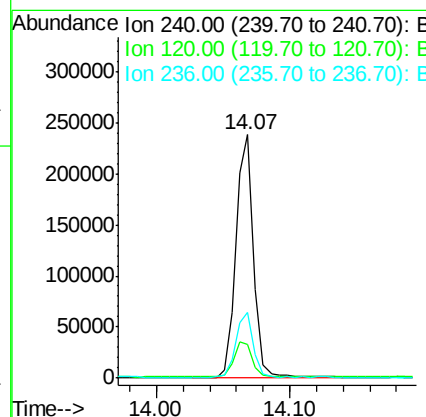
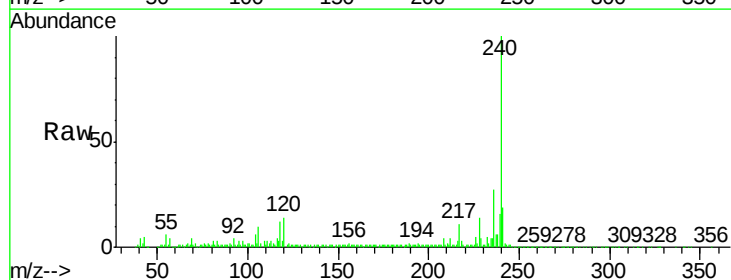
RT: 14.07 min Scan# 2037

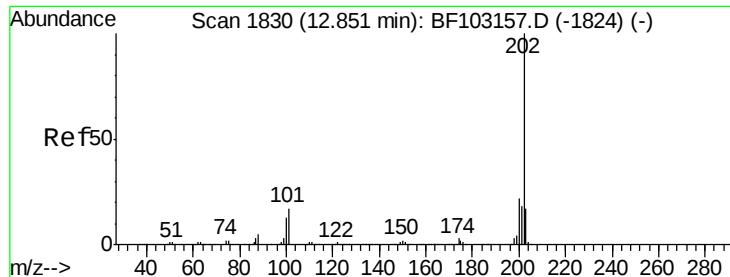
Delta R.T. 0.00 min

Lab File: BF103383.D

Acq: 2 Mar 2018 23:14

Tgt Ion:	240	Resp:	219572
Ion Ratio	Lower	Upper	
240	100		
120	13.7	9.5	14.3
236	27.2	20.7	31.1





#77

Pvrene

Concen: 25.731 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BF103383.D

Acq: 2 Mar 2018 23:14

Instrument :

BNA_F

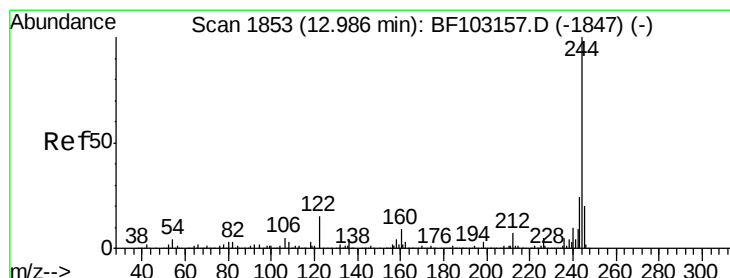
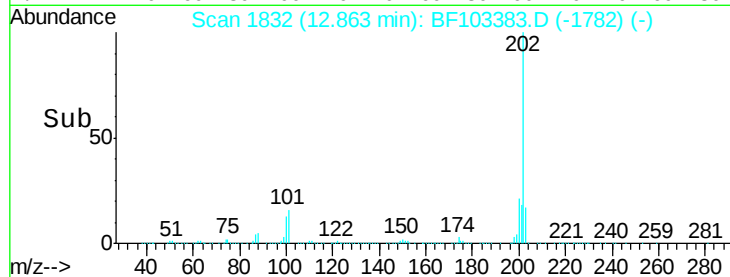
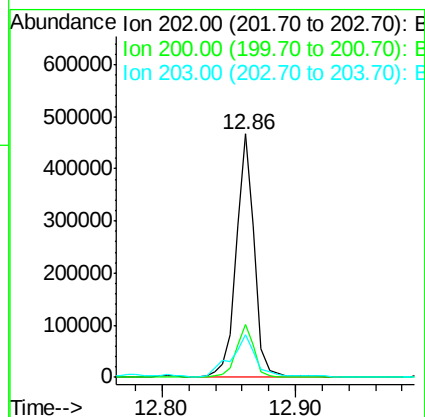
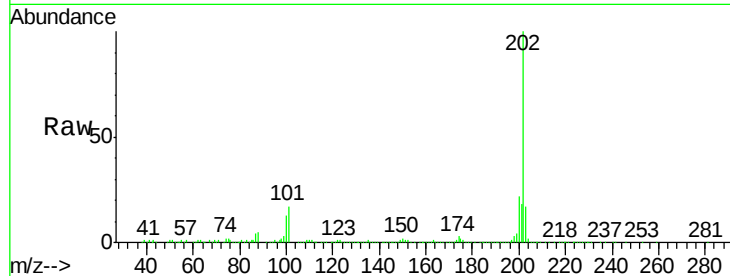
ClientSampleId :

SP-27

Tot Ion:	202	Resp:	440491
Ion Ratio		Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.3	14.3	21.5

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#78

Terphenyl-d14

Concen: 67.611 ng

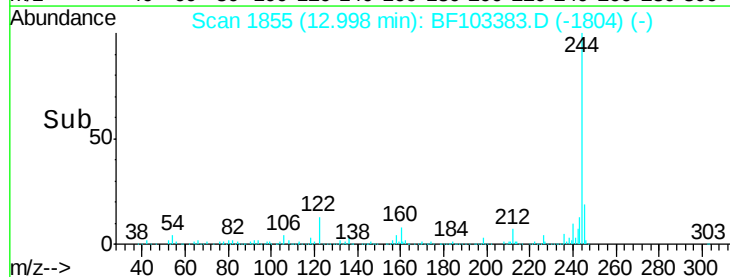
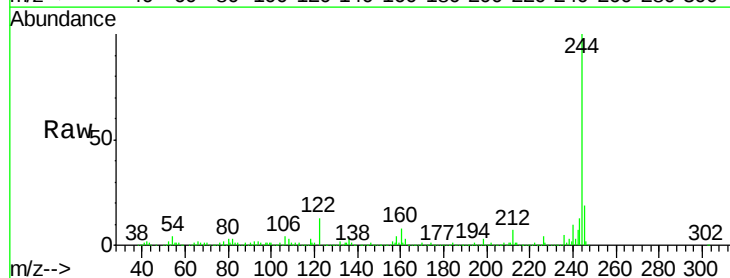
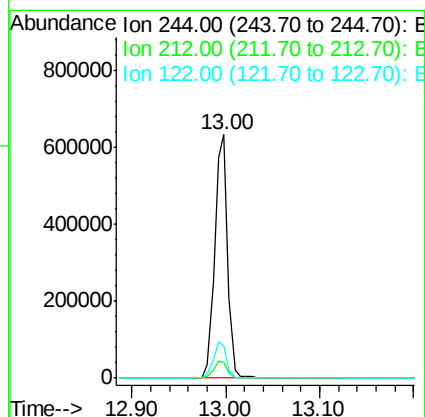
RT: 13.00 min Scan# 1855

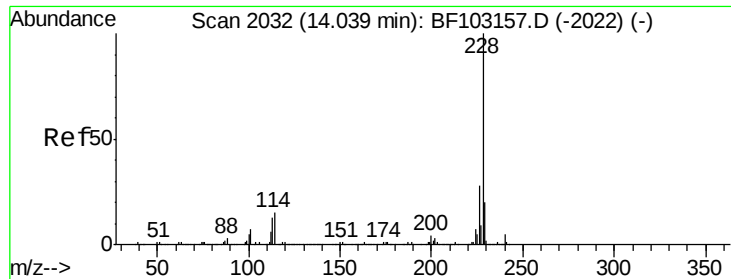
Delta R.T. 0.00 min

Lab File: BF103383.D

Acq: 2 Mar 2018 23:14

Tgt Ion:	244	Resp:	617571
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.4	8.0
122	13.2	11.0	16.4





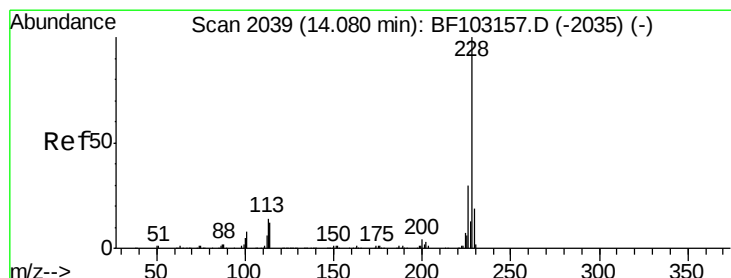
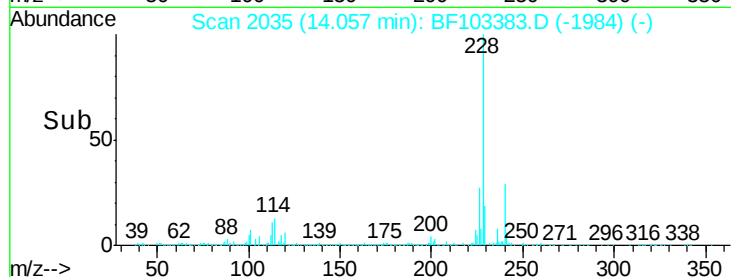
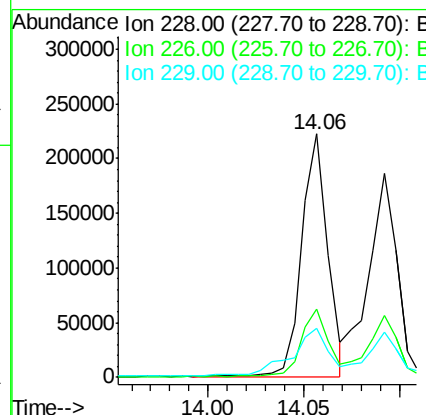
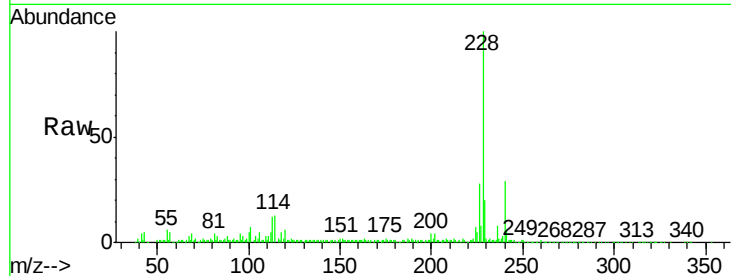
#80
Benzo(a)anthracene
Concen: 14.676 ng m
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF103383.D
Acq: 2 Mar 2018 23:14

Instrument :
BNA_F
ClientSampled :
SP-27

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.3	15.8	23.6

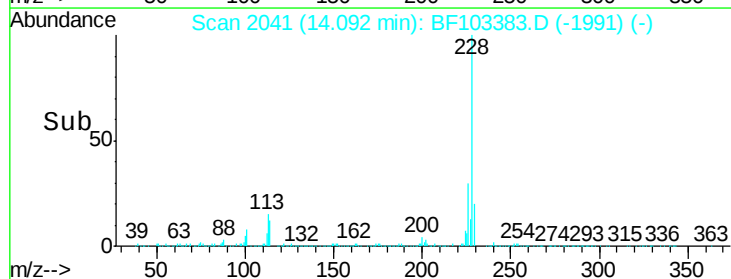
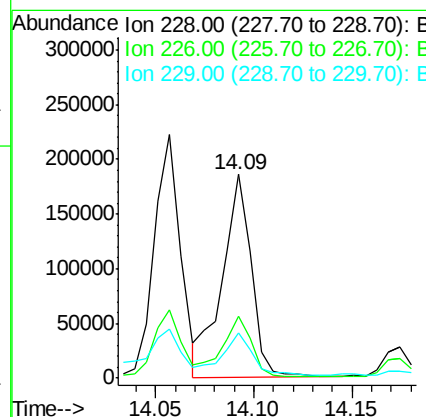
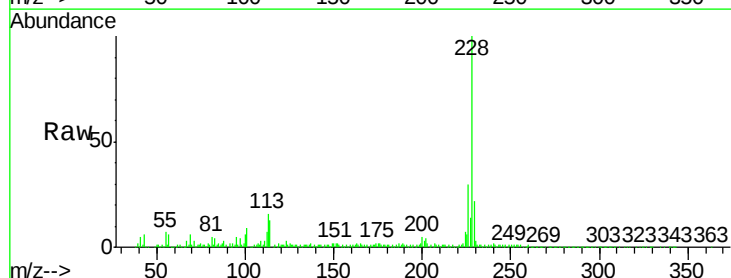
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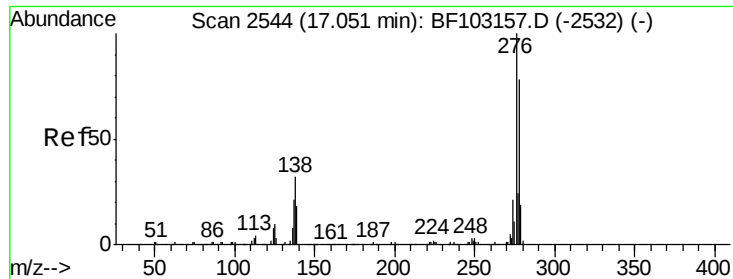
Sohil
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#82
Chrysene
Concen: 13.941 ng m
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103383.D
Acq: 2 Mar 2018 23:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	22.0	16.2	24.4





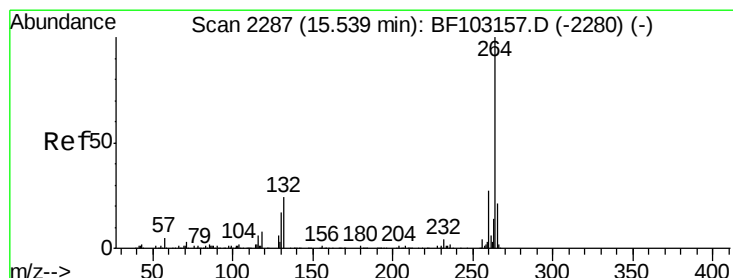
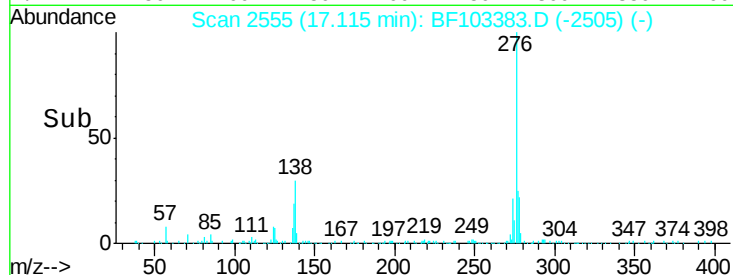
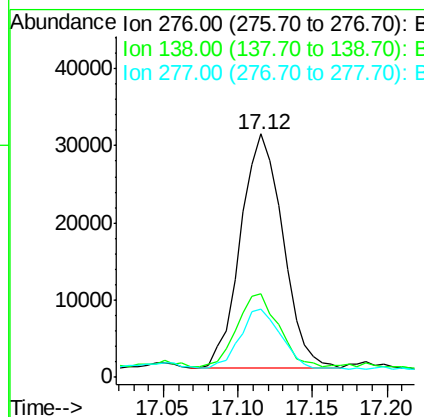
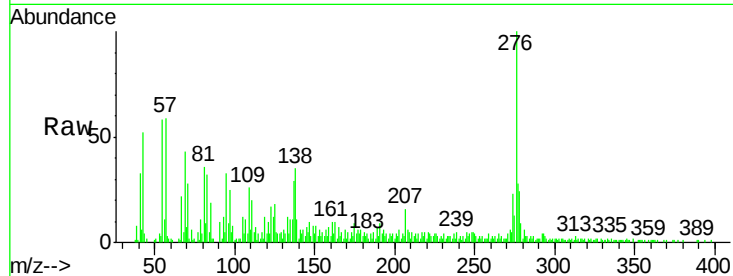
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.448 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BF103383.D
Acq: 2 Mar 2018 23:14

Instrument :
BNA_F
ClientSampleId :
SP-27

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.0	25.0	37.6
277	24.4	20.1	30.1

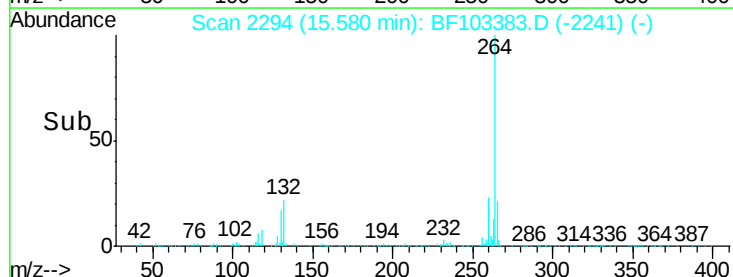
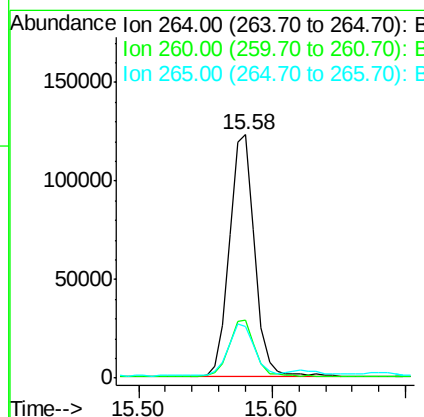
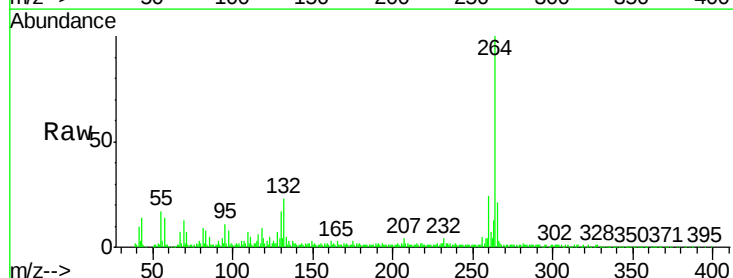
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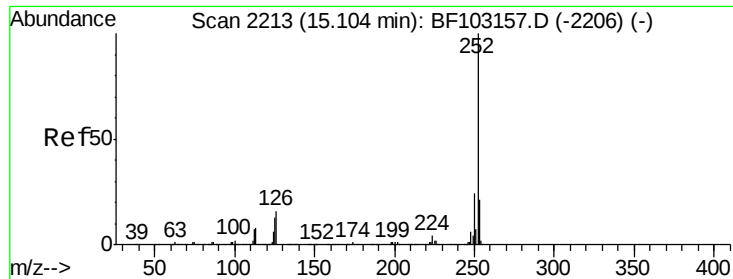
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103383.D
Acq: 2 Mar 2018 23:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.3	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 16.777 ng m

RT: 15.13 min Scan# 2218

Delta R.T. 0.00 min

Lab File: BF103383.D

Acq: 2 Mar 2018 23:14

Instrument :

BNA_F

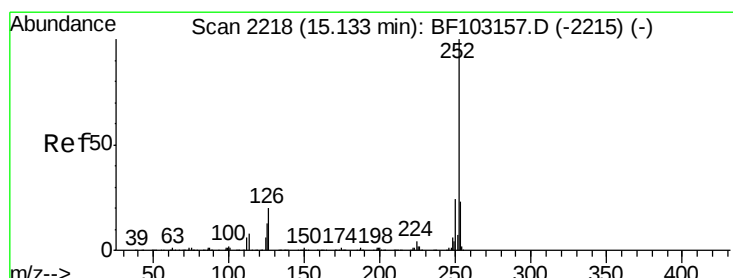
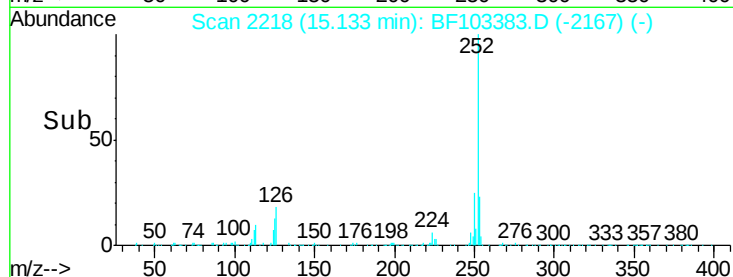
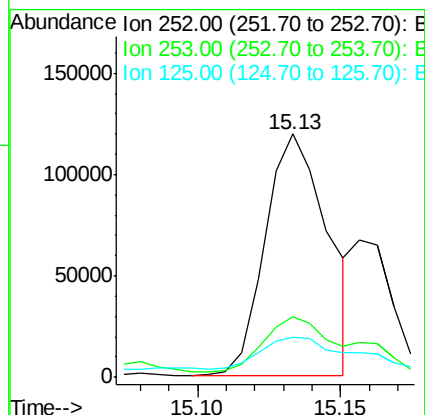
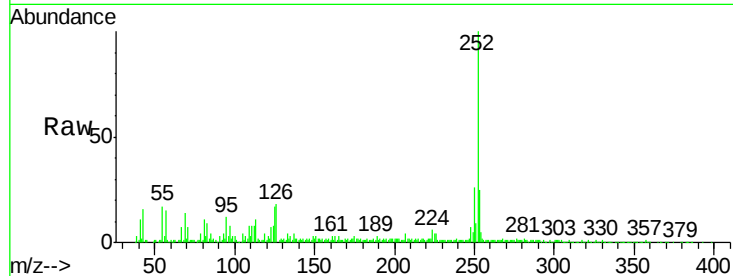
ClientSampleId :

SP-27

Tot Ion:	252	Resp:	181028
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.0	25.6
125	16.6	9.0	13.6#

Manual Integrations
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3/5/2018 3:13:58 PM



#88

Benzo(k)fluoranthene

Concen: 6.356 ng m

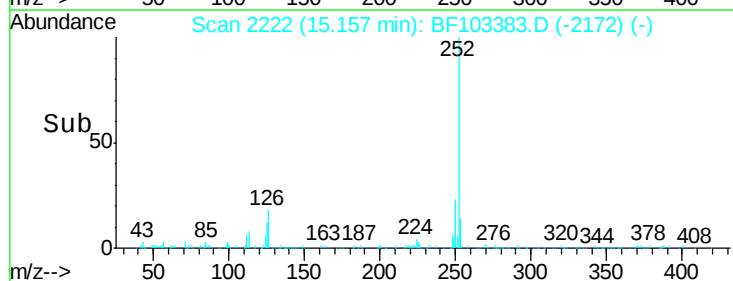
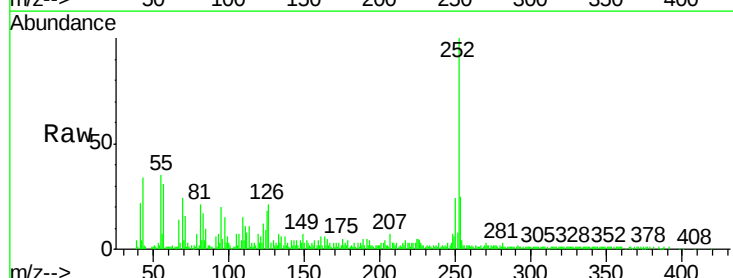
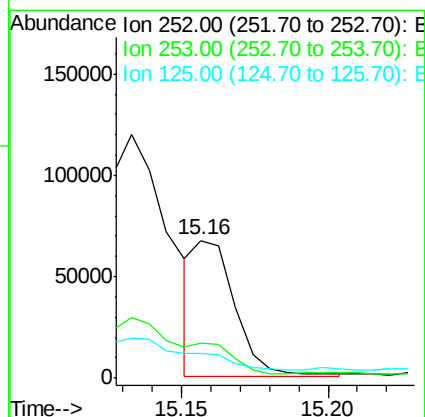
RT: 15.16 min Scan# 2222

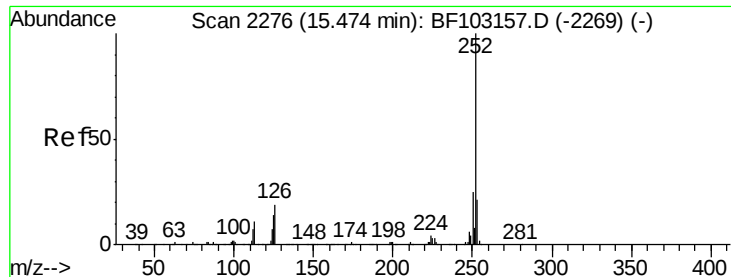
Delta R.T. -0.01 min

Lab File: BF103383.D

Acq: 2 Mar 2018 23:14

Tgt Ion:	252	Resp:	64584
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.9	26.9
125	18.3	10.2	15.2#





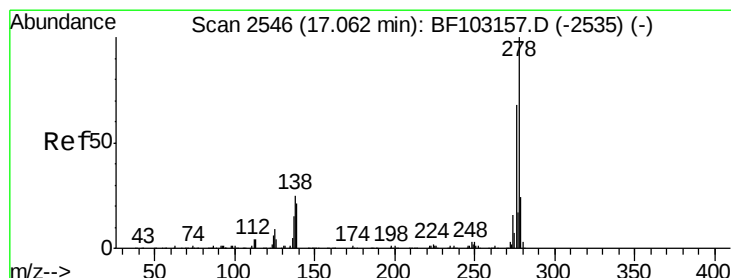
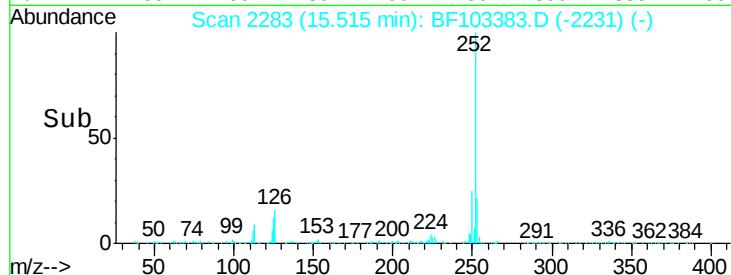
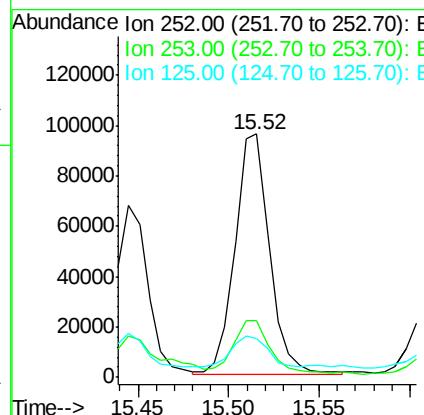
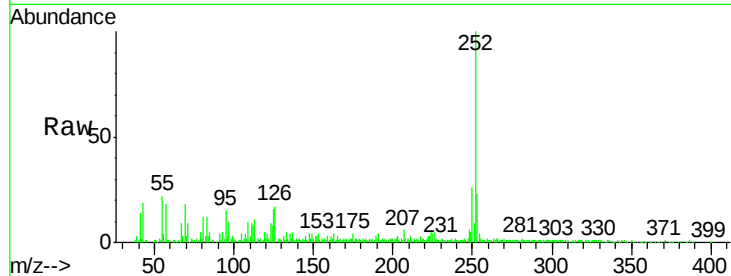
#89
Benzo(a)pyrene
Concen: 13.160 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF103383.D
Acq: 2 Mar 2018 23:14

Instrument :
BNA_F
ClientSampleId :
SP-27

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	16.0	9.8	14.6

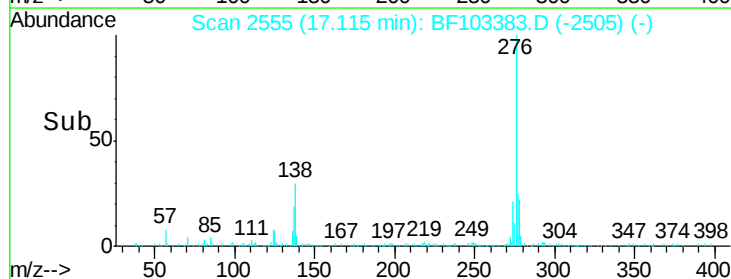
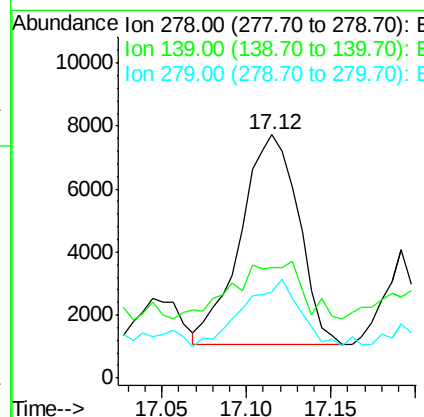
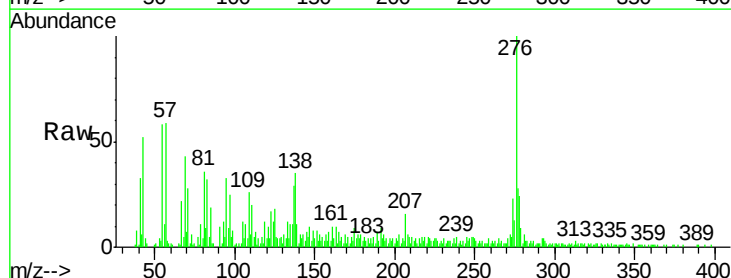
Manual Integrations
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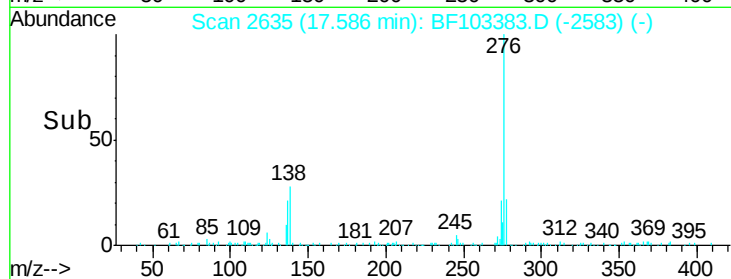
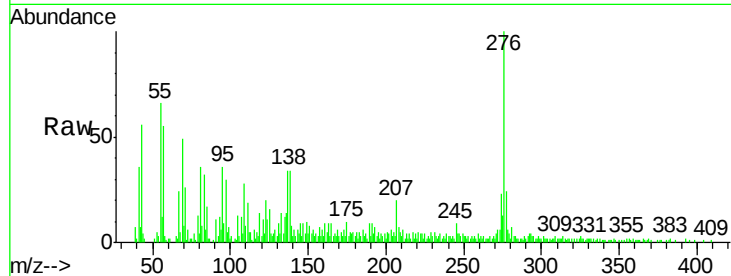
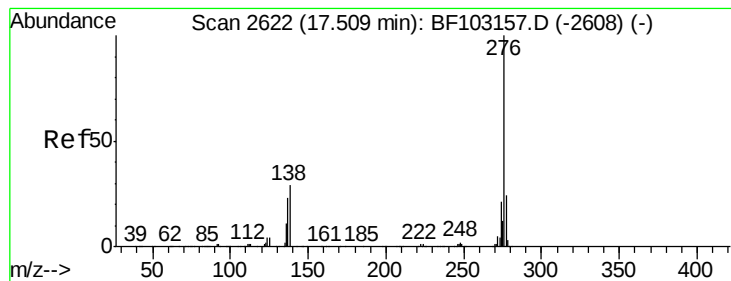
Sohil
3/5/2018 3:13:58 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.134 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BF103383.D
Acq: 2 Mar 2018 23:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	45.6	15.9	23.9
279	35.6	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 8.504 ng

RT: 17.59 min Scan# 2635

Delta R.T. 0.01 min

Lab File: BF103383.D

Acq: 2 Mar 2018 23:14

Instrument :

BNA_F

ClientSampleId :

SP-27

Tot Ion:	276	Resp:	61881
Ion Ratio	Lower	Upper	
276	100		
277	24.4	17.9	26.9
138	33.6	21.8	32.8#

Manual Integrations
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