

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103381.D
 Acq On : 2 Mar 2018 22:22
 Operator : SJ/JU
 Sample : J1721-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-40

Manual Integrations
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Sohil
 3/5/2018 3:13:52 PM

Quant Time: Mar 02 23:21:55 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	146112	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	598255	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	217623	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	294647	20.00	ng	0.00
75) Chrysene-d12	14.07	240	221214	20.00	ng	0.00
86) Perylene-d12	15.58	264	160299	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	979107	101.35	ng	0.00
7) Phenol-d6	6.52	99	1154145	97.63	ng	0.00
23) Nitrobenzene-d5	7.45	82	755392	72.11	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	142355	77.28	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	990857	76.59	ng	0.00
78) Terphenyl-d14	13.00	244	605757	65.83	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.18	128	79852	2.726	ng	98
48) Acenaphthylene	9.78	152	63870	2.877	ng	99
49) Dimethylphthalate	9.63	163	90509	5.184	ng	99
51) Acenaphthene	9.95	154	57433	4.437	ng	99
54) Dibenzofuran	10.12	168	43146	2.428	ng	96
57) Fluorene	10.47	166	42253	2.792	ng	98
70) Phenanthrene	11.43	178	247787	15.281	ng	99
71) Anthracene	11.49	178	114690	6.897	ng	98
74) Fluoranthene	12.63	202	462852	28.405	ng	99
77) Pyrene	12.86	202	518756	30.078	ng	100
80) Benzo(a)anthracene	14.06	228	263611m	18.366	ng	
82) Chrysene	14.09	228	278409m	19.977	ng	
85) Indeno(1,2,3-cd)pyrene	17.12	276	86691	7.857	ng	97
87) Benzo(b)fluoranthene	15.13	252	240842m	22.851	ng	
88) Benzo(k)fluoranthene	15.16	252	80964m	8.158	ng	
89) Benzo(a)pyrene	15.52	252	176739	18.778	ng	# 91
90) Dibenzo(a,h)anthracene	17.12	278	23986	3.298	ng	# 71
91) Benzo(g,h,i)perylene	17.59	276	92255	12.979	ng	93

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

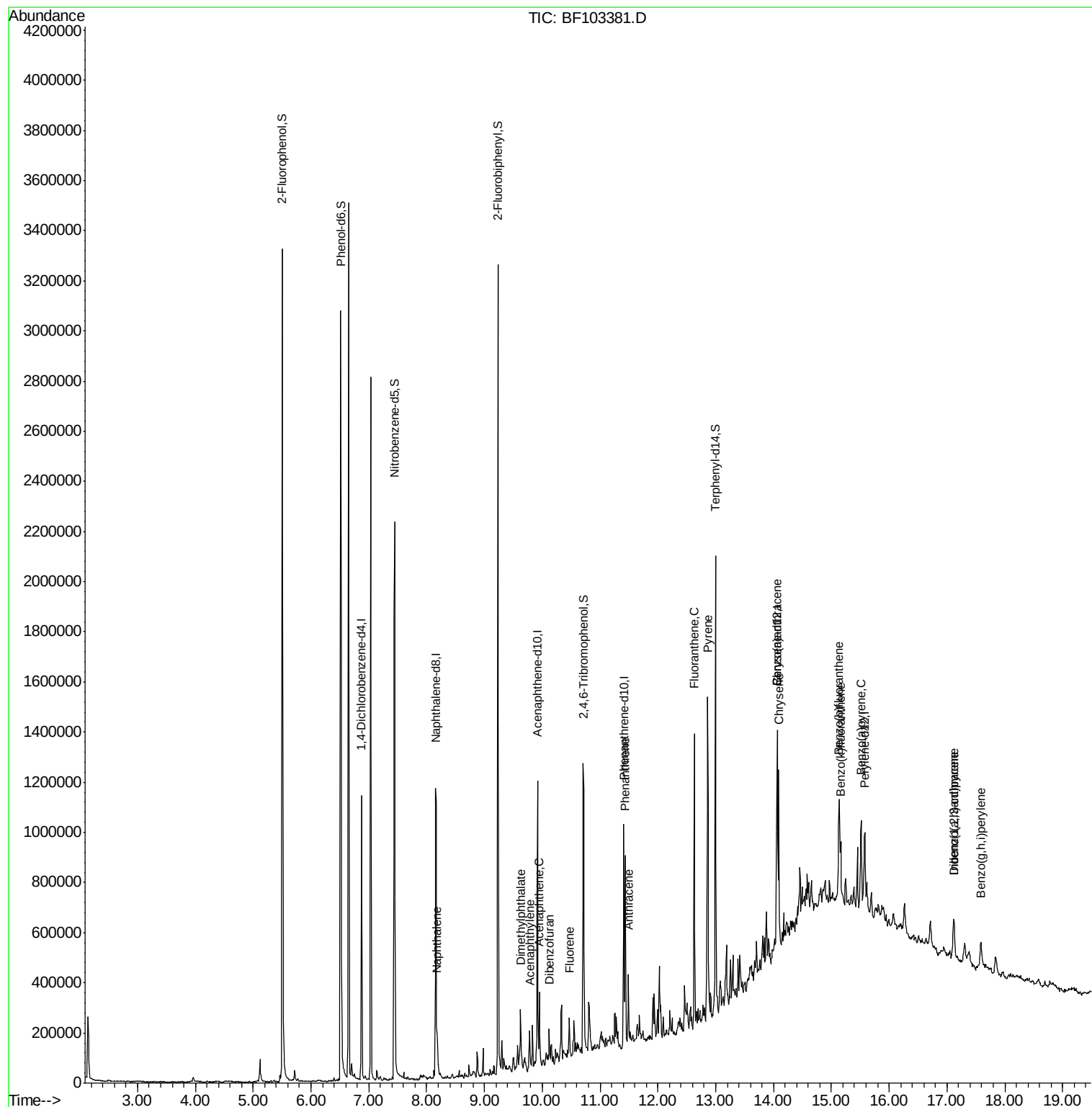
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
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ALS Vial : 17 Sample Multiplier: 1

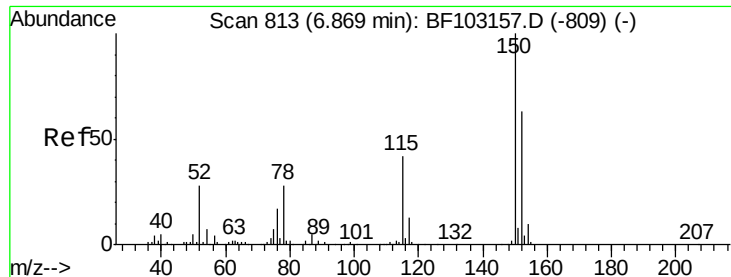
Instrument :
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ClientSampled :
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#1

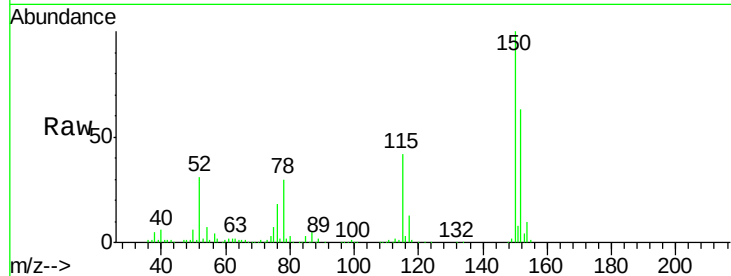
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Instrument :
BNA_F
ClientSampled :
SP-40

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.6	186.8
115	66.9	50.1	75.1

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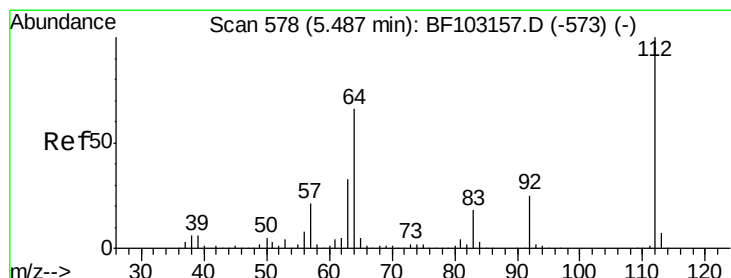
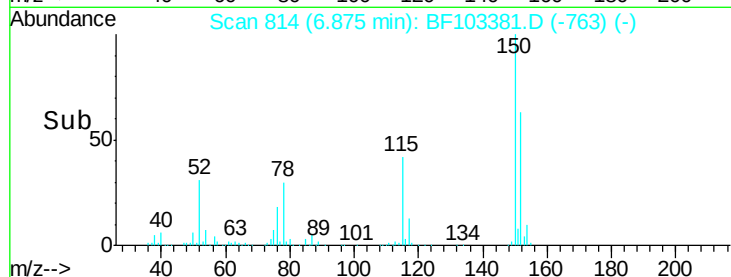
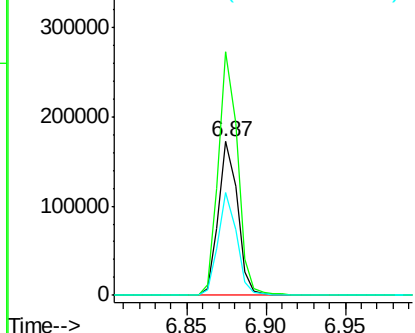


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

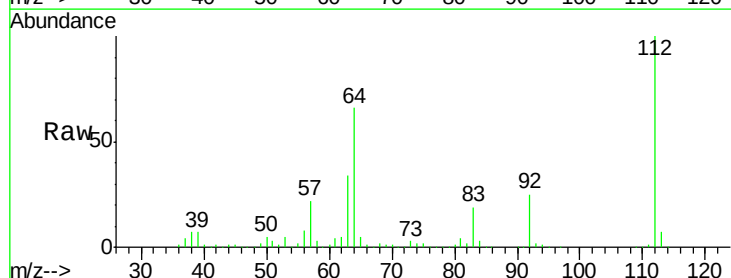
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 101.349 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	47.9	71.9
63	34.4	23.7	35.5

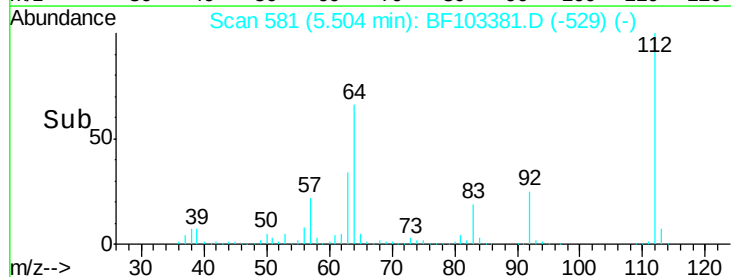
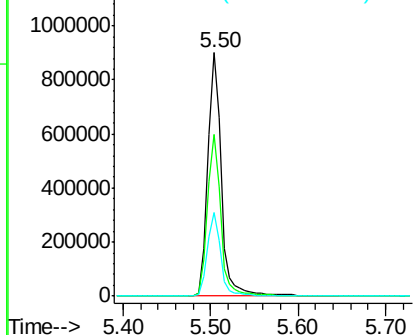


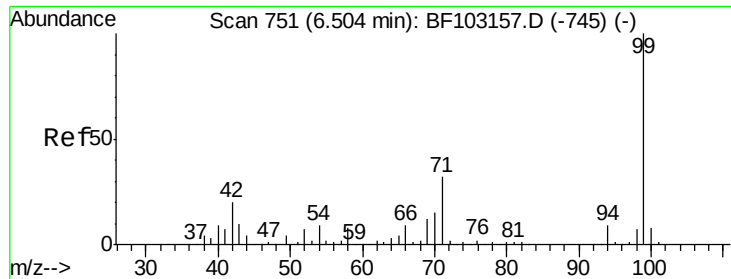
Abundance

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: 97.632 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Instrument :

BNA_F

ClientSampled :

SP-40

Tot Ion: 99 Resp: 1154145

Ion Ratio Lower Upper

99 100

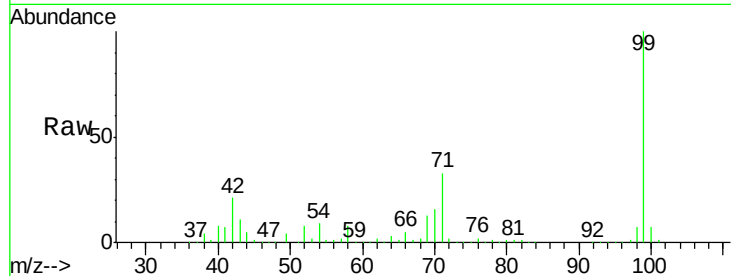
42 21.3 14.5 21.7

71 33.4 25.4 38.0

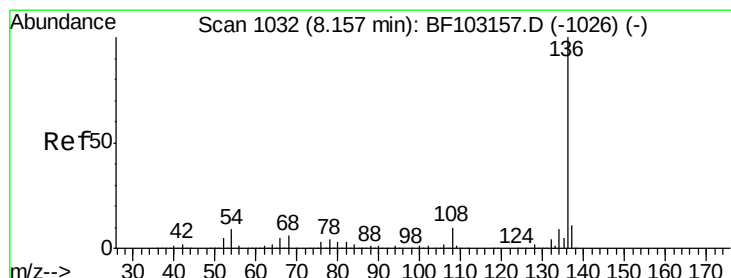
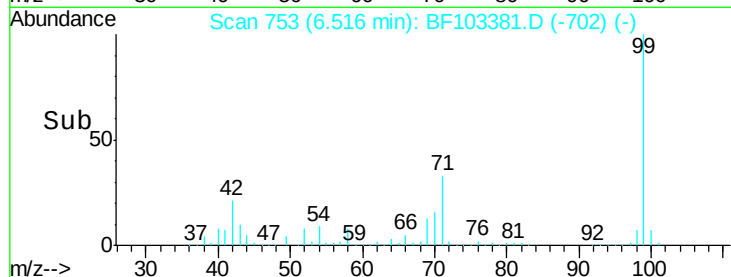
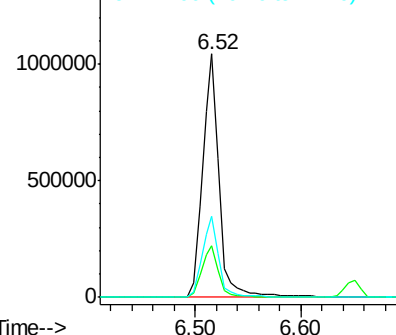
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Tgt Ion: 136 Resp: 598255

Ion Ratio Lower Upper

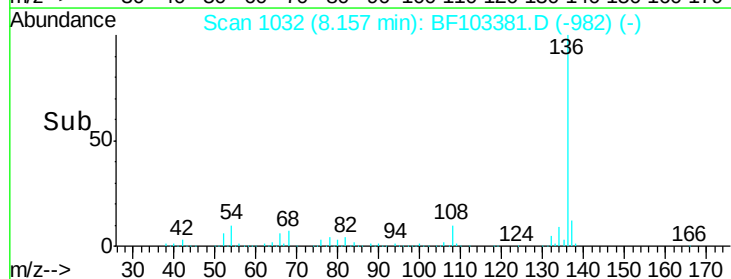
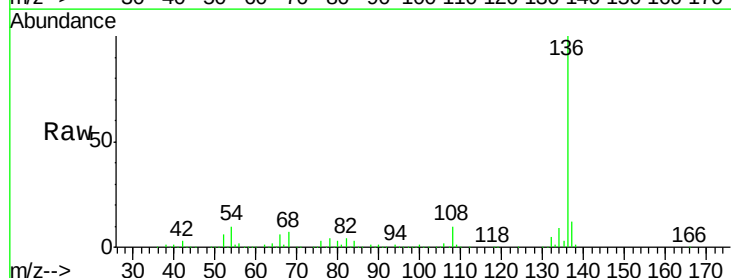
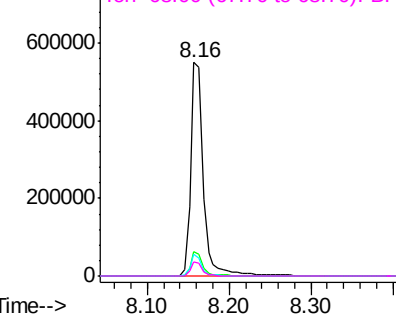
136 100

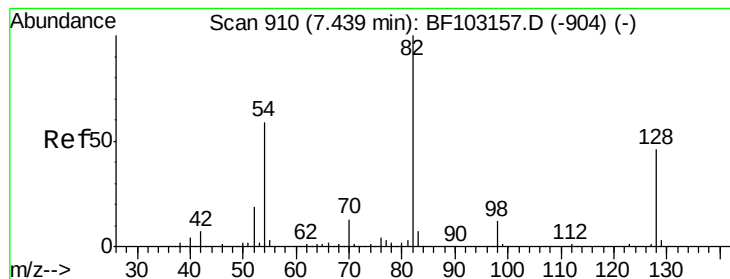
137 11.5 8.9 13.3

54 10.0 6.6 9.8#

68 6.6 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: 72.108 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Instrument :

BNA_F

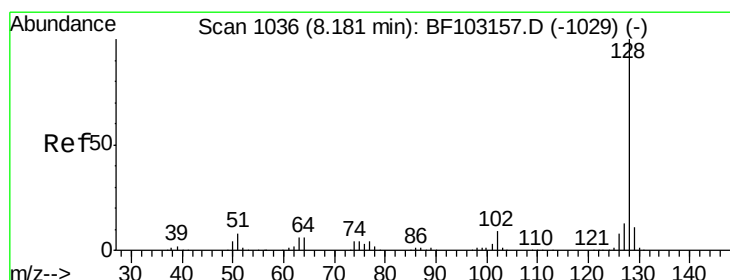
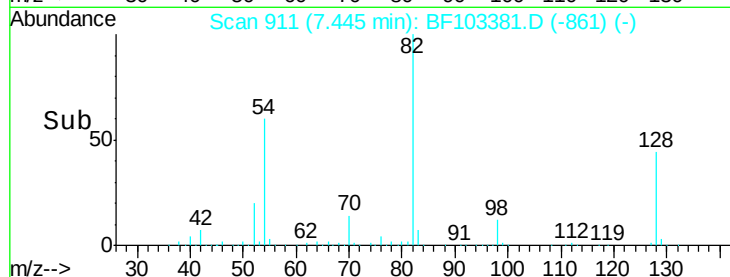
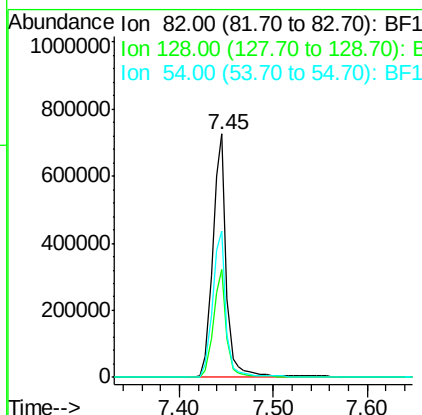
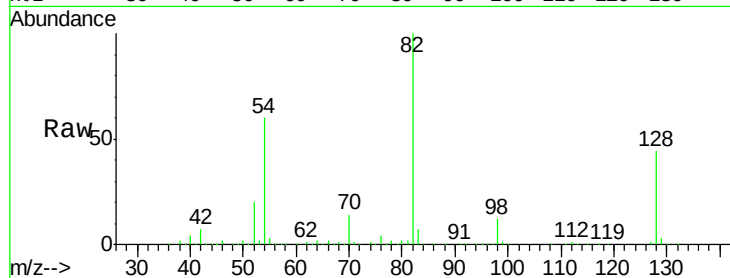
ClientSampled :

SP-40

Tot Ion:	82	Resp:	755392
Ion Ratio	Lower	Upper	
82	100		
128	44.2	36.1	54.1
54	59.9	41.4	62.2

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#31

Naphthalene

Concen: 2.726 ng

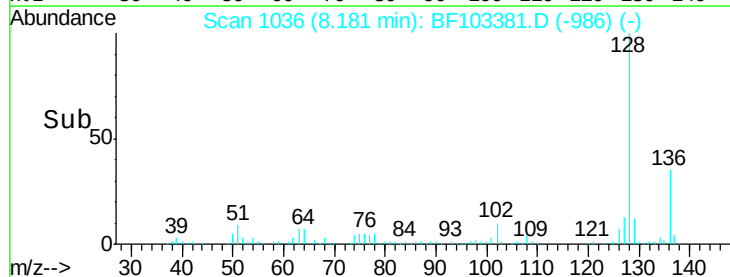
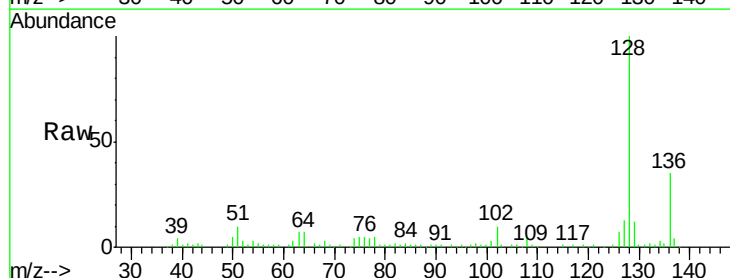
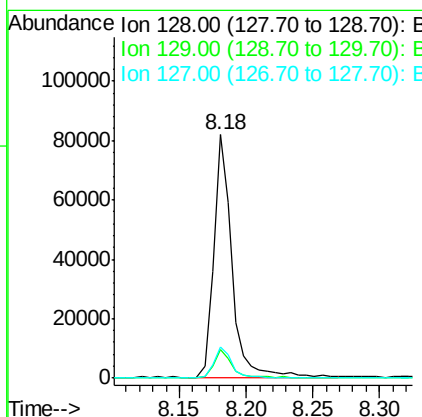
RT: 8.18 min Scan# 1036

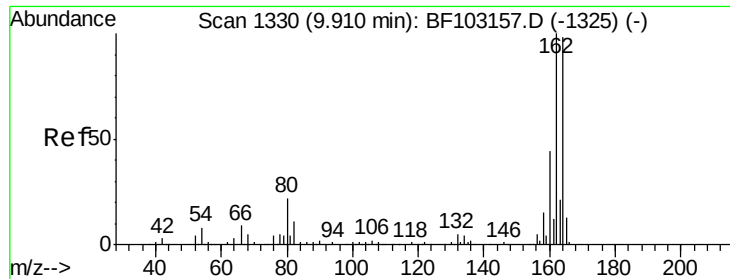
Delta R.T. -0.01 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Tgt Ion:	128	Resp:	79852
Ion Ratio	Lower	Upper	
128	100		
129	11.7	8.8	13.2
127	12.8	10.9	16.3





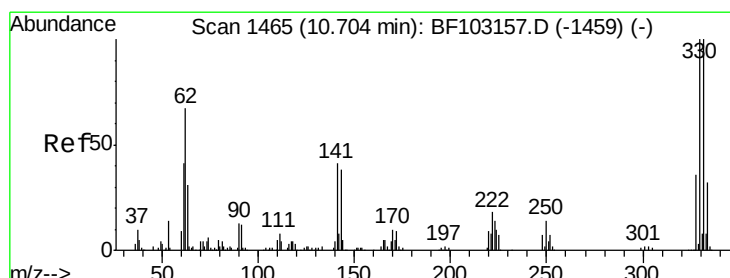
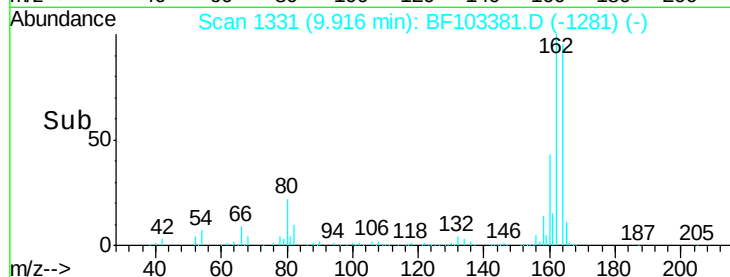
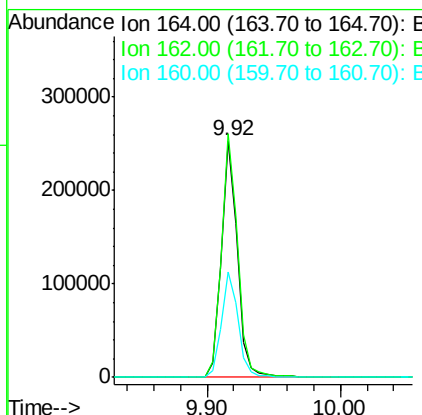
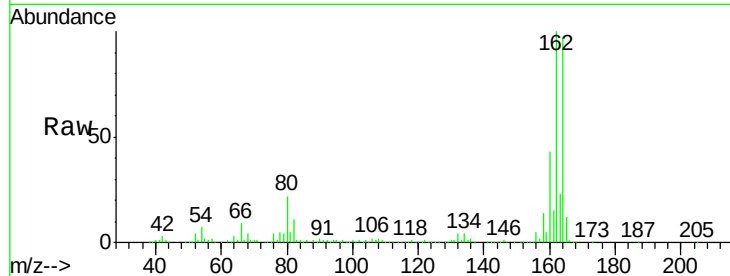
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103381.D
 Acq: 2 Mar 2018 22:22

Instrument :
 BNA_F
 ClientSampleId :
 SP-40

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.9	86.1	129.1	
160	44.4	38.3	57.5	

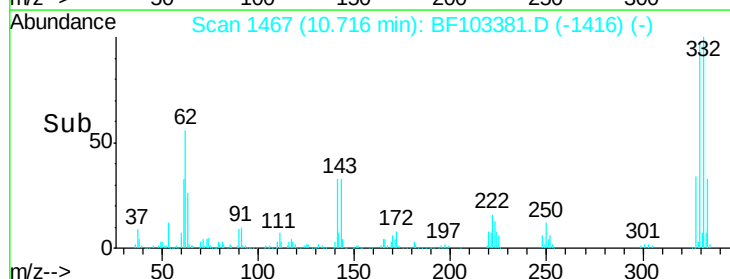
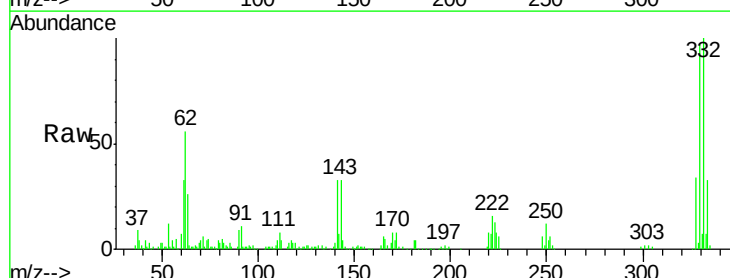
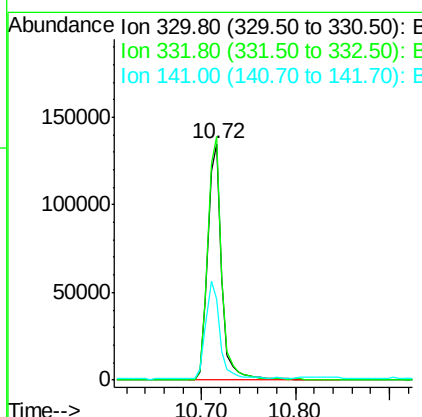
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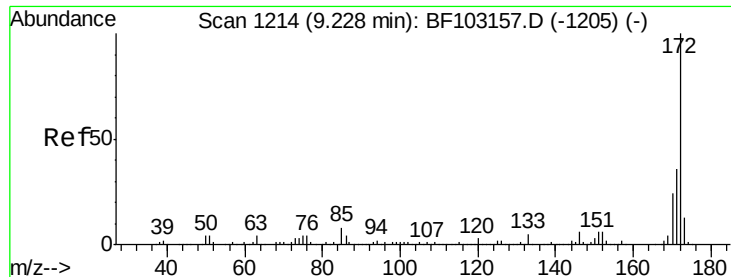
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#41
 2,4,6-Tribromophenol
 Concen: 77.280 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF103381.D
 Acq: 2 Mar 2018 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	103.2	77.0	115.6	
141	42.1	29.9	44.9	





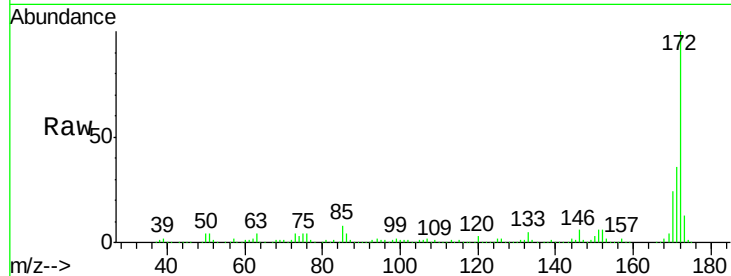
#44
2-Fluorobiphenyl
Concen: 76.595 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Instrument :
BNA_F
ClientSampled :
SP-40

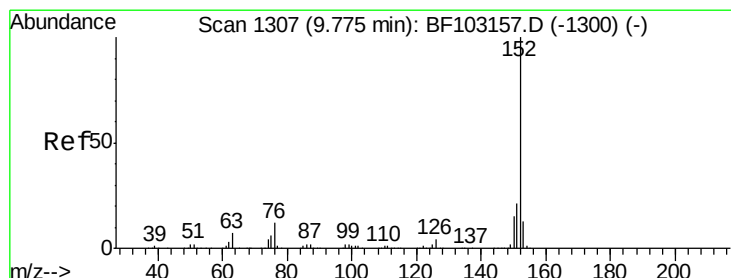
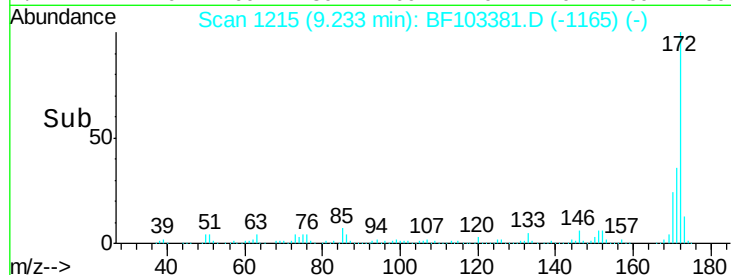
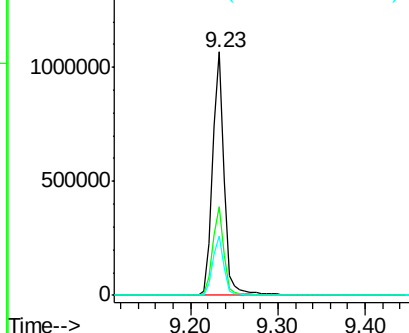
Tot Ion	Ratio	Resp	Lower	Upper
172	100	990857		
171	36.3		29.7	44.5
170	24.4		19.6	29.4

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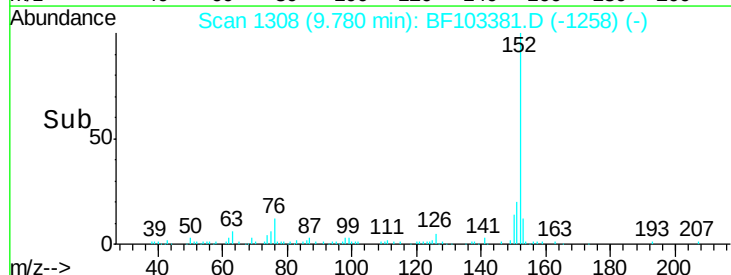
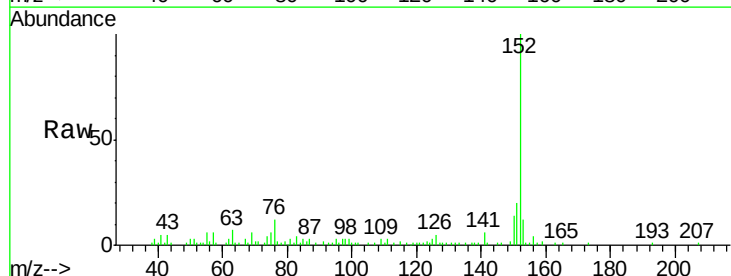
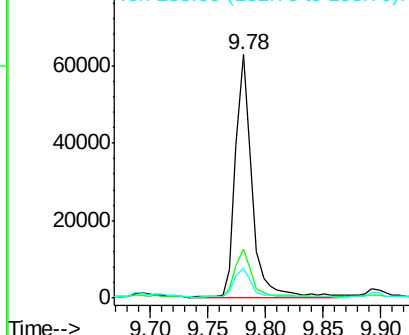
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

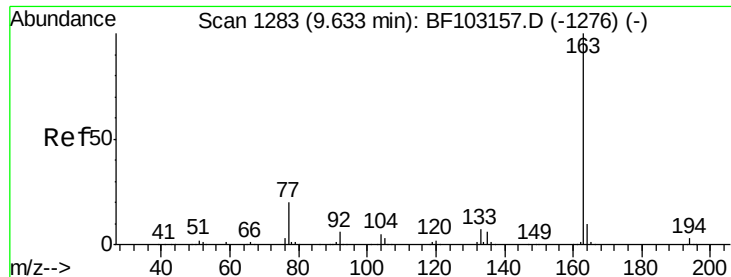


#48
Acenaphthylene
Concen: 2.877 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	63870		
151	20.2		16.3	24.5
153	12.4		10.7	16.1

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





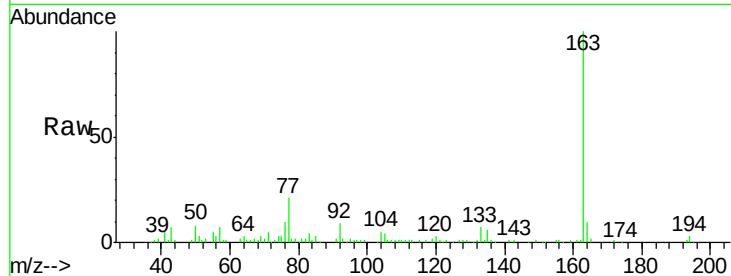
#49
Dimethylphthalate
Concen: 5.184 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Instrument :
BNA_F
ClientSampleId :
SP-40

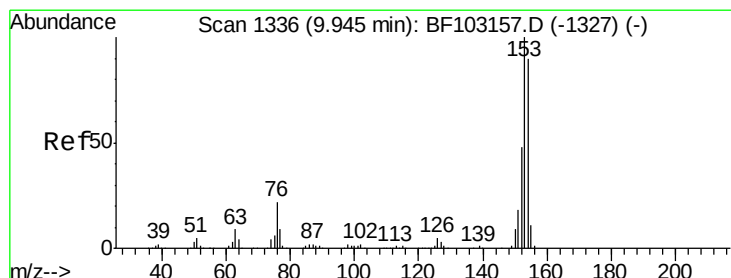
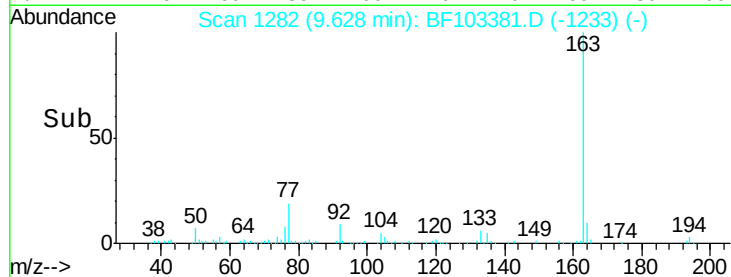
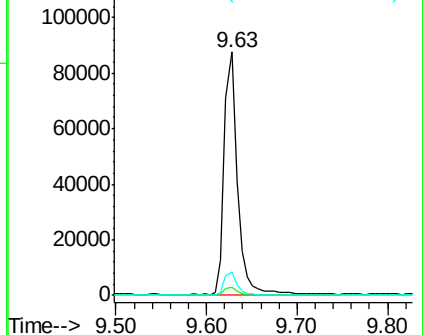
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.6	8.2	12.2

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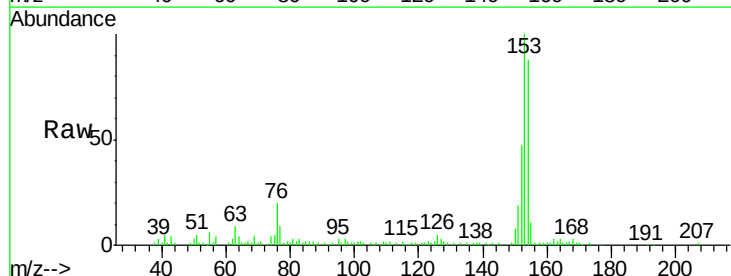


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

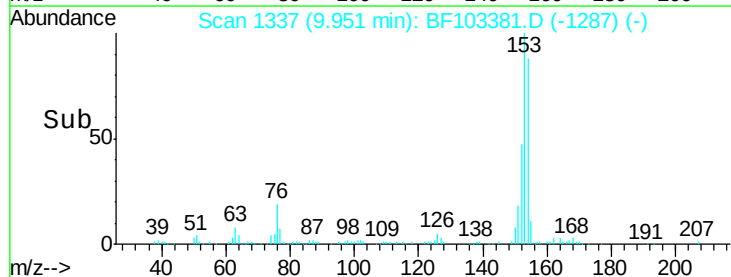
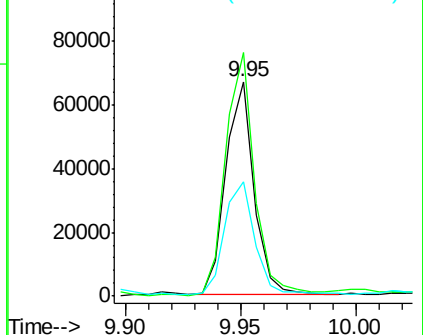


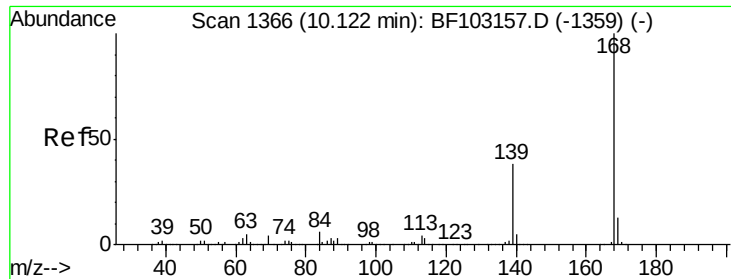
#51
Acenaphthene
Concen: 4.437 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.5	91.2	136.8
152	53.4	43.8	65.8



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





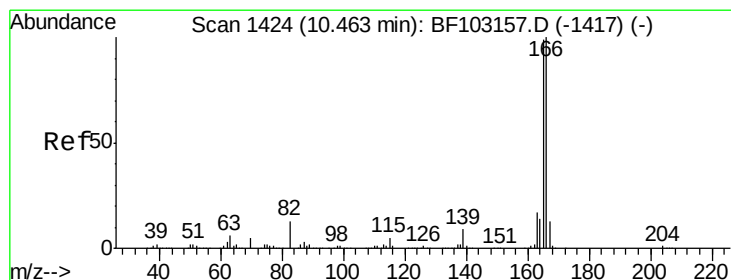
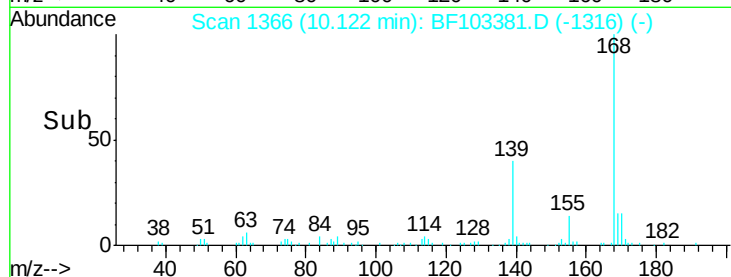
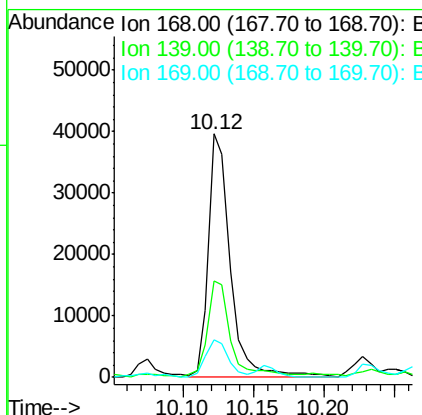
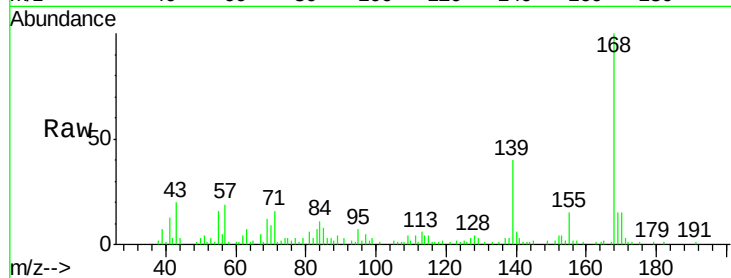
#54
Dibenzenofuran
Concen: 2.428 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Instrument :
BNA_F
ClientSampled :
SP-40

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.9	30.1	45.1
169	15.4	10.9	16.3

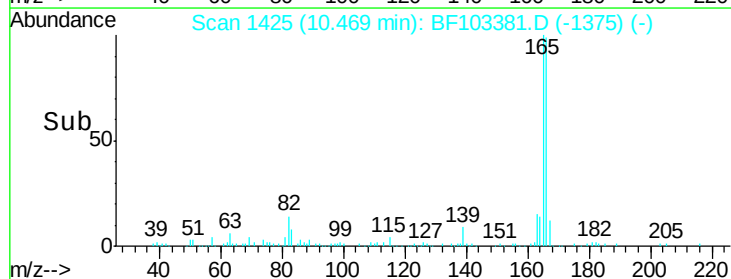
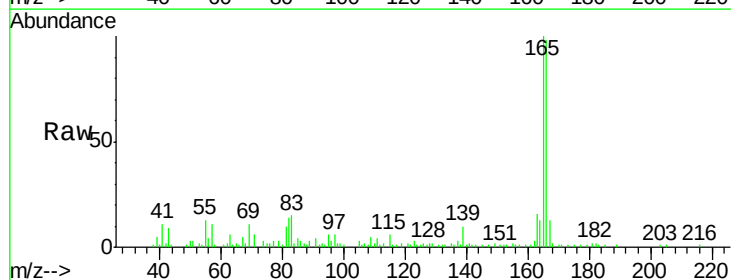
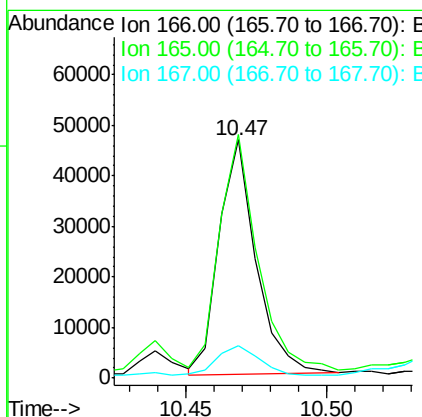
Manual Integrations
APPROVED

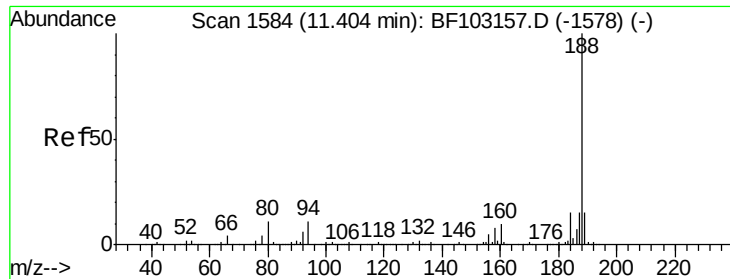
Sohil
3/5/2018 3:13:52 PM



#57
Fluorene
Concen: 2.792 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.1	79.8	119.8
167	13.7	10.6	16.0





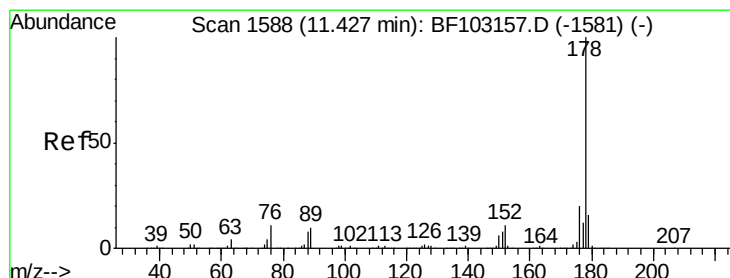
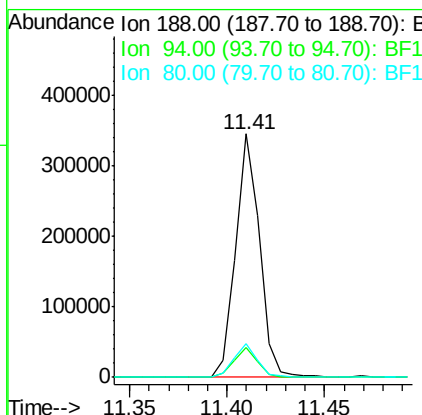
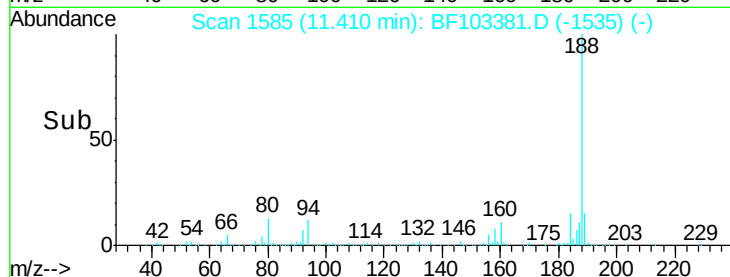
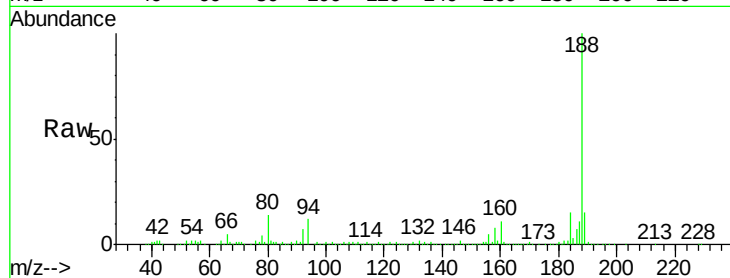
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Instrument :
BNA_F
ClientSampleId :
SP-40

Tot Ion	Ratio	Lower	Upper
188	100		
94	12.5	8.5	12.7
80	13.6	9.2	13.8

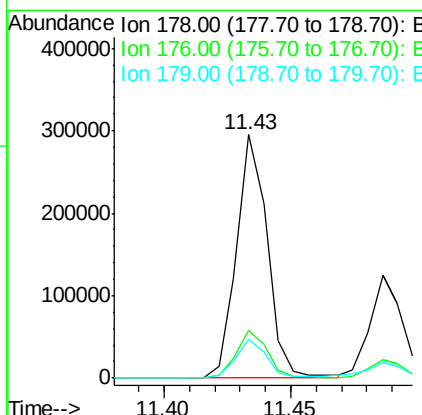
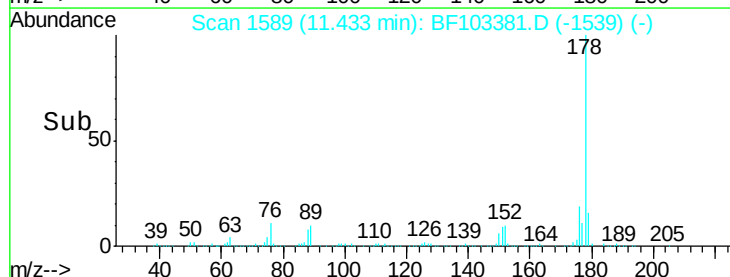
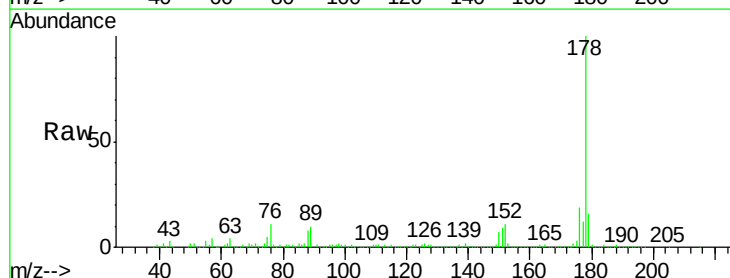
Manual Integrations
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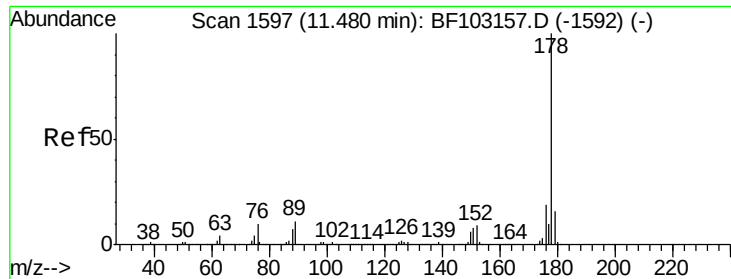
Sohil
3/5/2018 3:13:52 PM



#70
Phenanthrene
Concen: 15.281 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.9	13.0	19.6





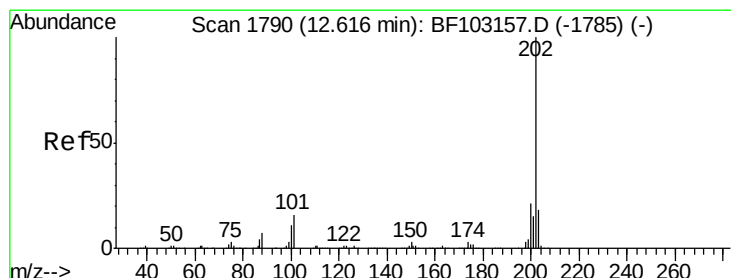
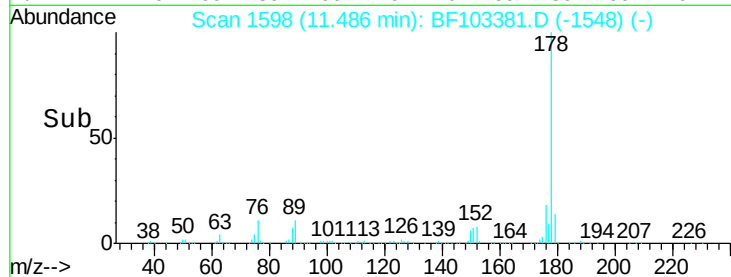
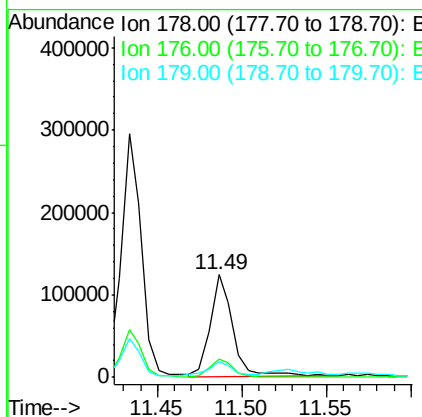
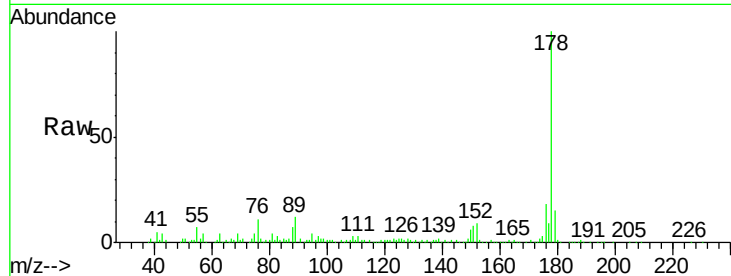
#71
 Anthracene
 Concen: 6.897 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF103381.D
 Acq: 2 Mar 2018 22:22

Instrument :
 BNA_F
 ClientSampled :
 SP-40

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.3	12.6	19.0

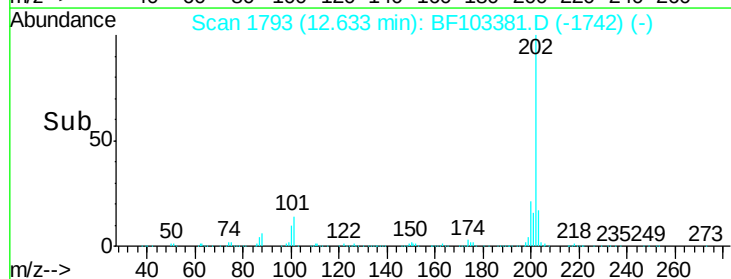
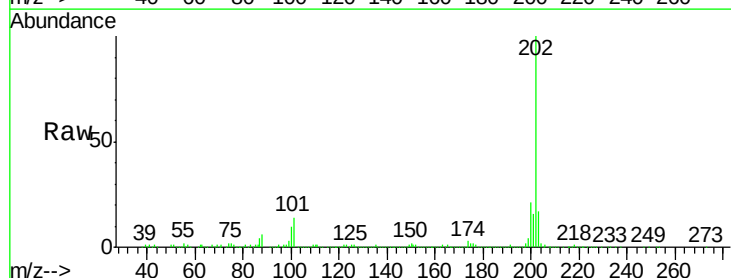
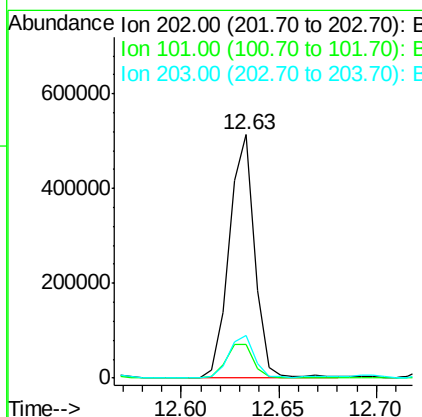
Manual Integrations
 APPROVED

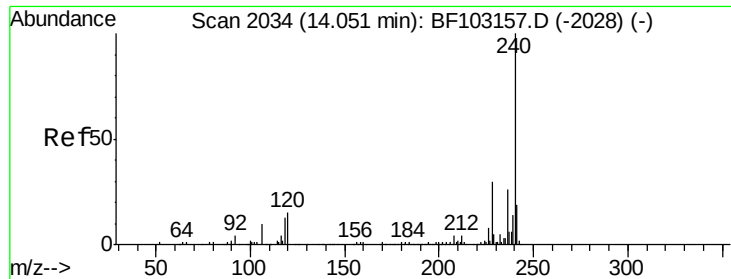
Sohil
 3/5/2018 3:13:52 PM



#74
 Fluoranthene
 Concen: 28.405 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: BF103381.D
 Acq: 2 Mar 2018 22:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Instrument :

BNA_F

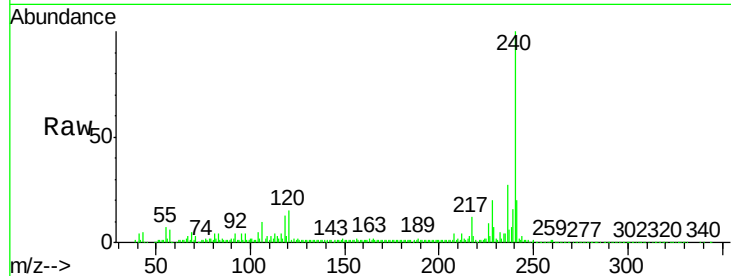
ClientSampleId :

SP-40

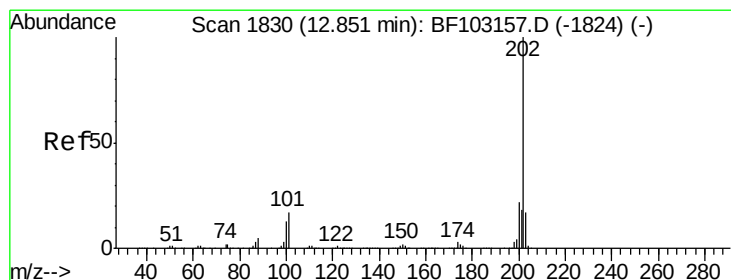
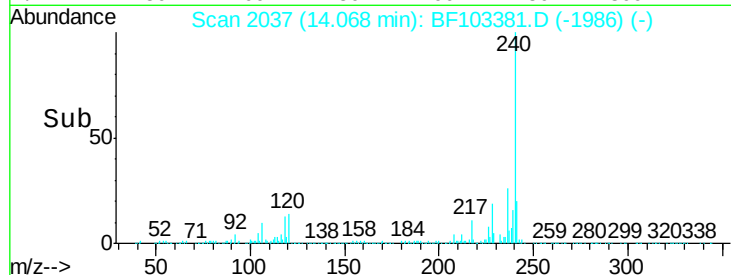
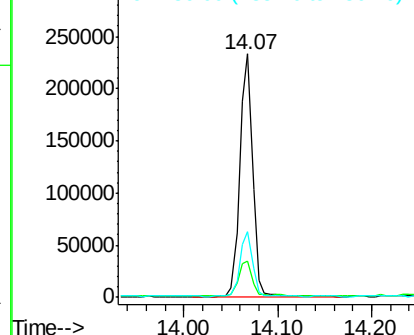
Tot Ion	Ratio	Lower	Upper
240	100		
120	15.0	9.5	14.3#
236	26.9	20.7	31.1

Manual Integrations
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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

Pyrene

Concen: 30.078 ng

RT: 12.86 min Scan# 1832

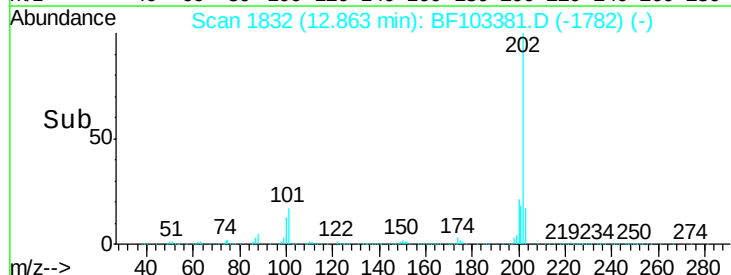
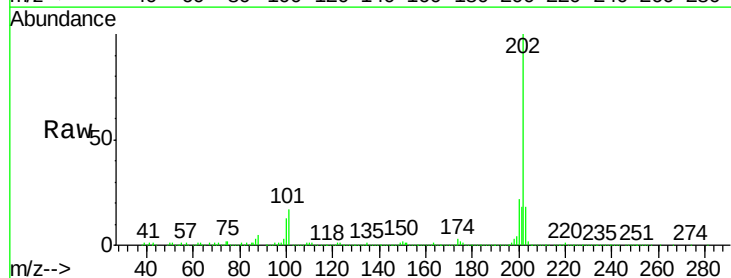
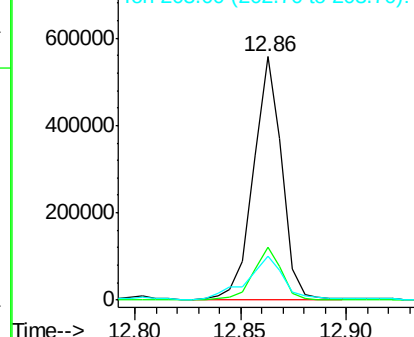
Delta R.T. -0.01 min

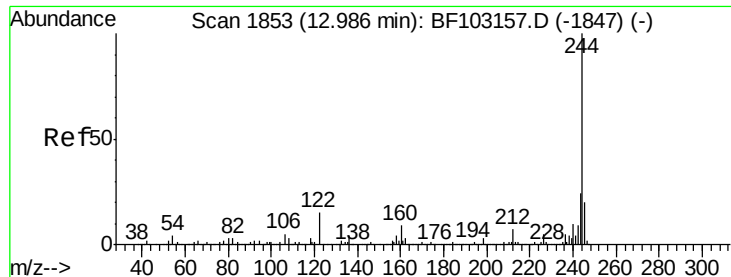
Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.9	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 65.826 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Instrument :

BNA_F

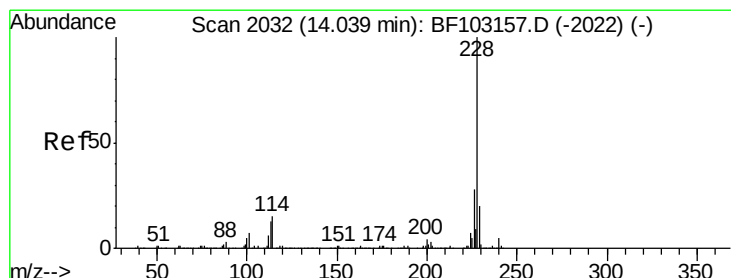
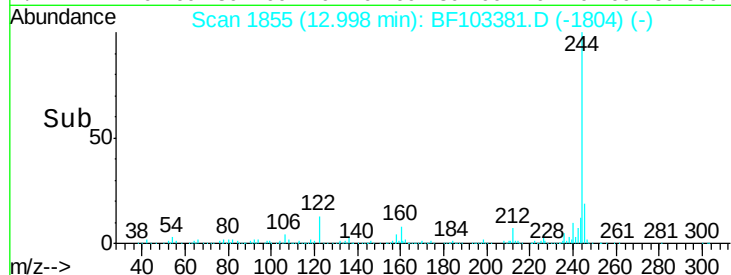
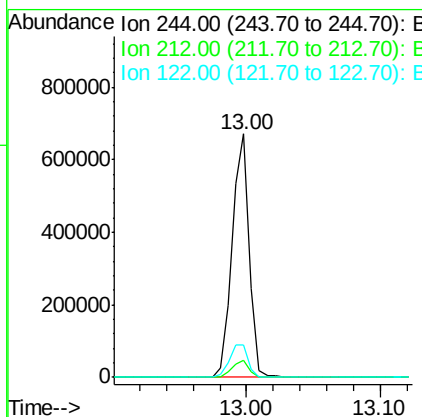
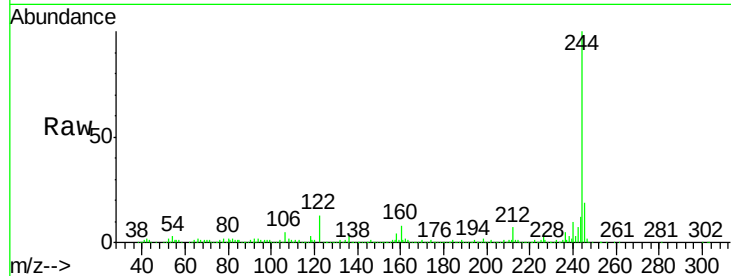
ClientSampled :

SP-40

Tot Ion:	244	Resp:	605757
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	13.5	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 18.366 ng m

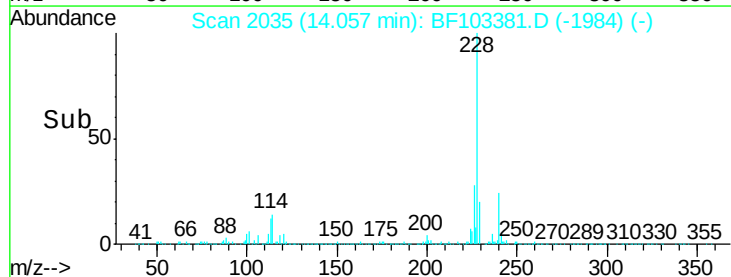
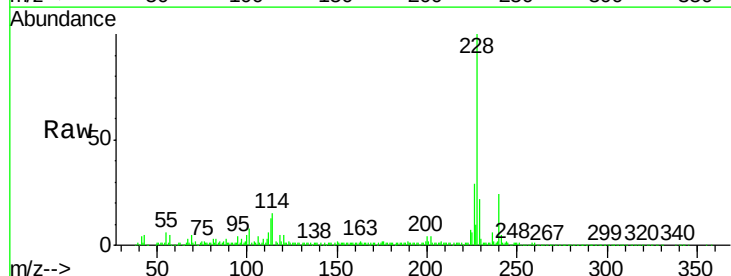
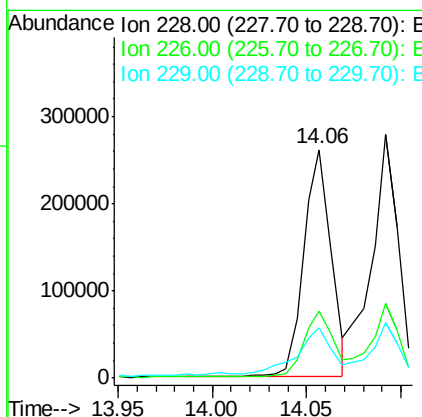
RT: 14.06 min Scan# 2035

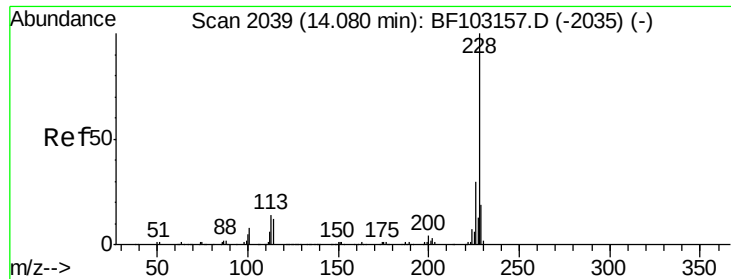
Delta R.T. 0.00 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Tgt Ion:	228	Resp:	263611
Ion Ratio	Lower	Upper	
228	100		
226	29.2	22.6	33.8
229	22.2	15.8	23.6





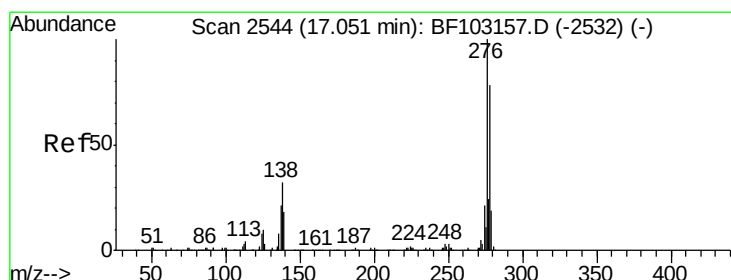
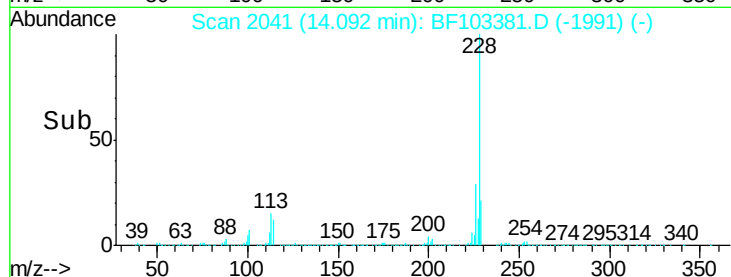
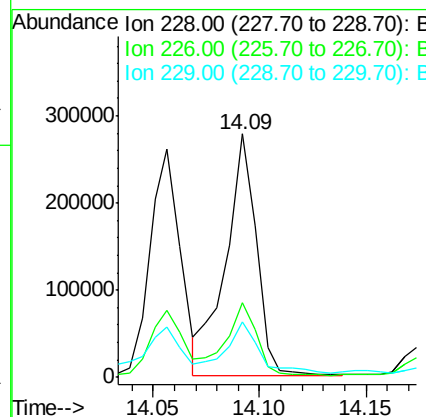
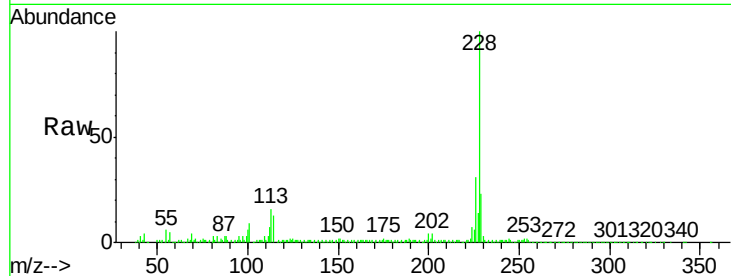
#82
Chrysene
Concen: 19.977 ng m
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Instrument :
BNA_F
ClientSampleId :
SP-40

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	22.9	16.2	24.4

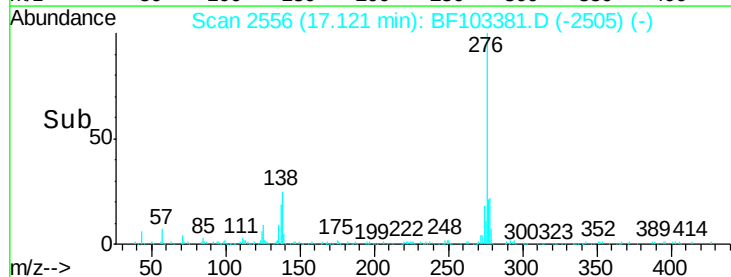
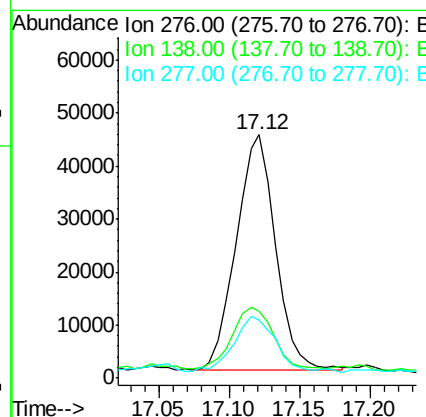
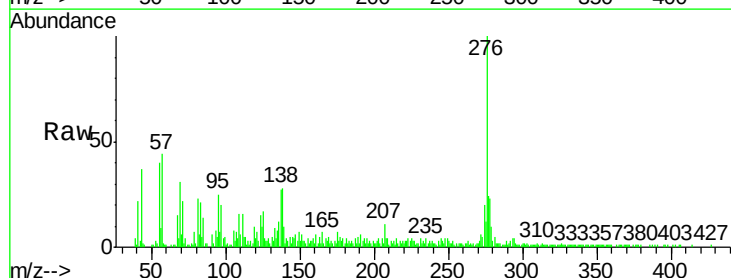
Manual Integrations
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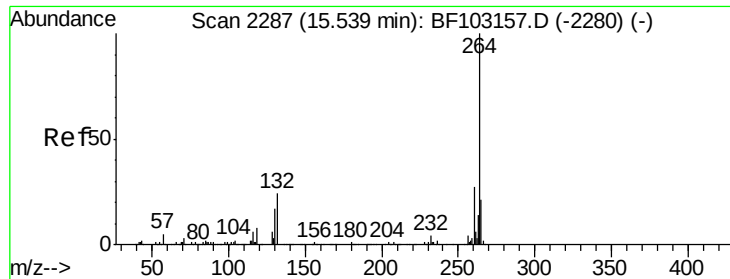
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.857 ng
RT: 17.12 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.6	25.0	37.6
277	24.5	20.1	30.1





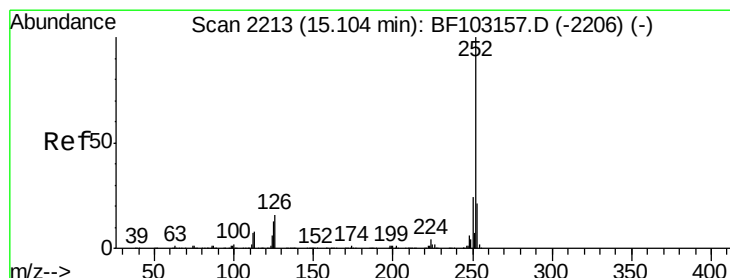
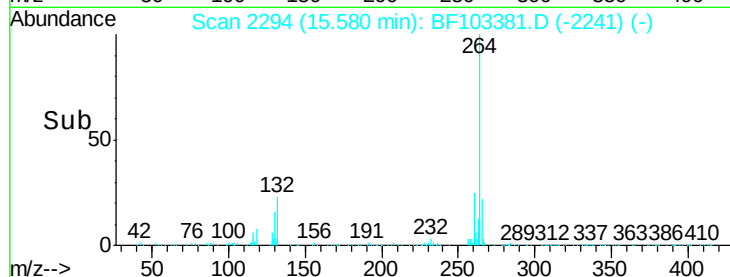
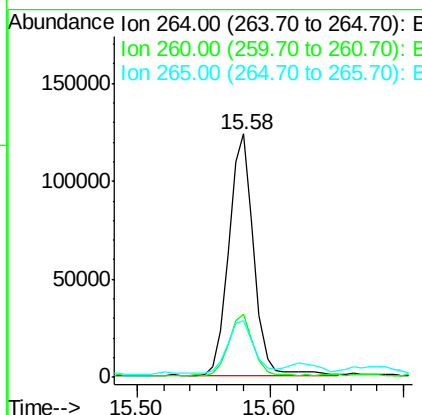
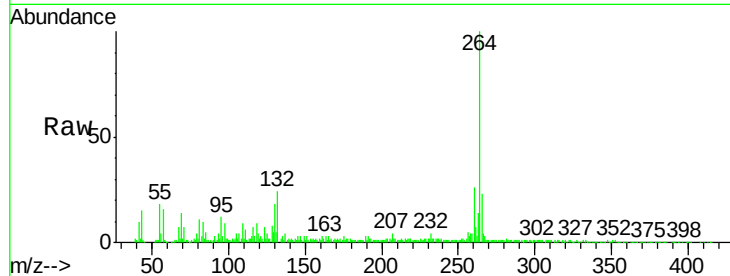
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Instrument :
BNA_F
ClientSampleId :
SP-40

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.2	28.8
265	23.2	17.5	26.3

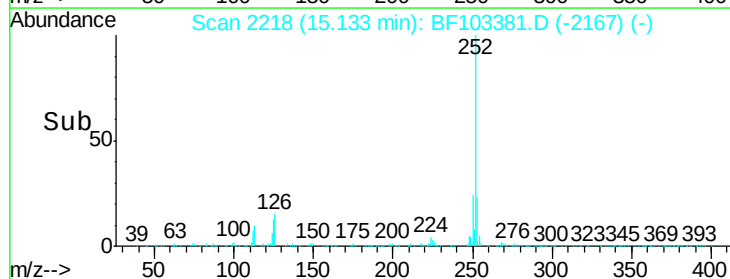
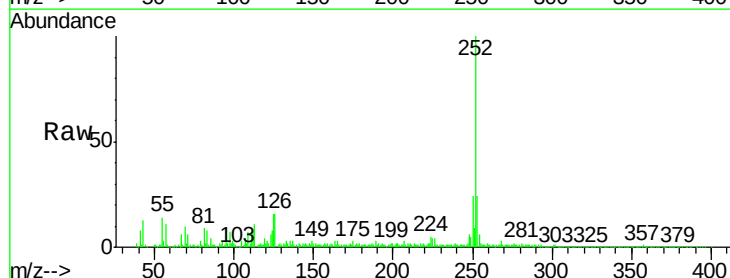
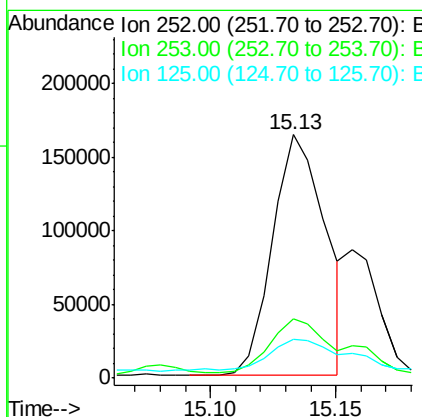
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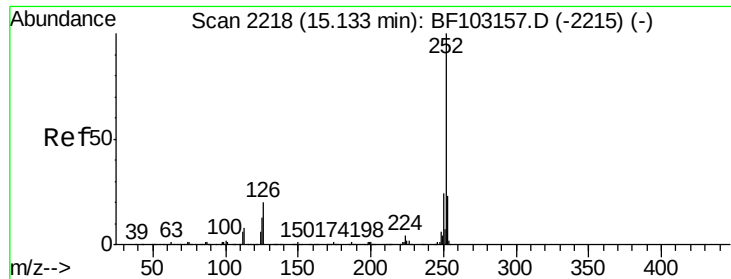
Sohil
3/5/2018 3:13:52 PM



#87
Benzo(b)fluoranthene
Concen: 22.851 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	16.1	9.0	13.6





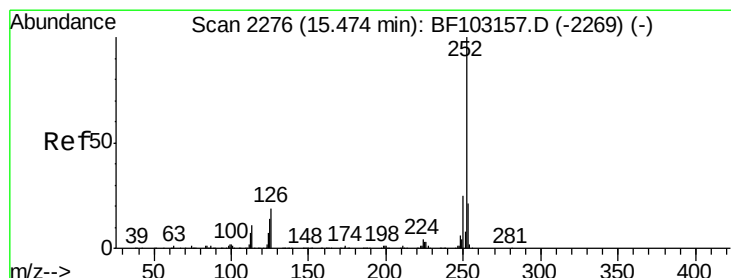
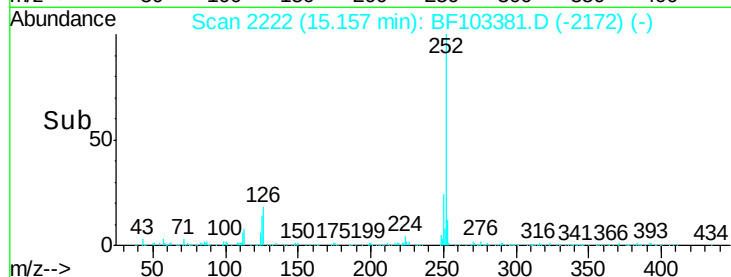
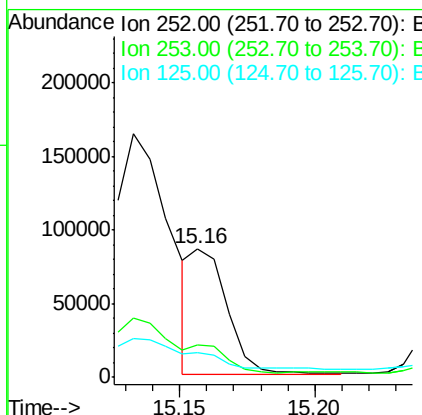
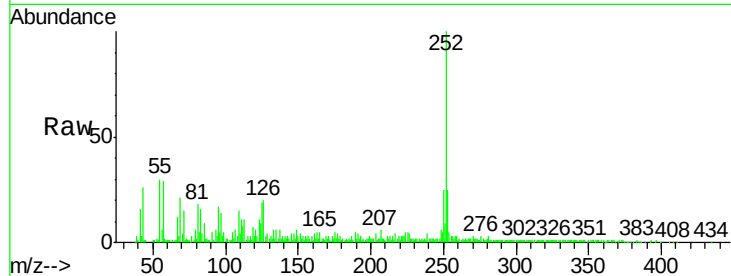
#88
Benzo(k)fluoranthene
Concen: 8.158 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Instrument :
BNA_F
ClientSampled :
SP-40

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	19.4	10.2	15.2

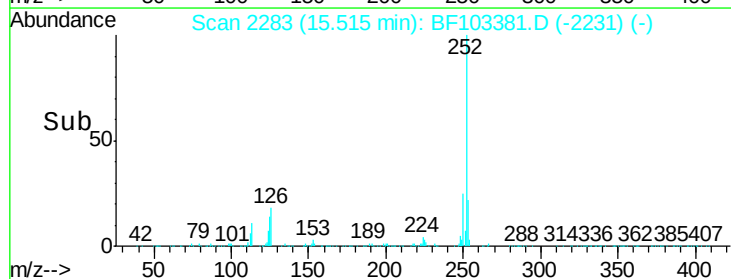
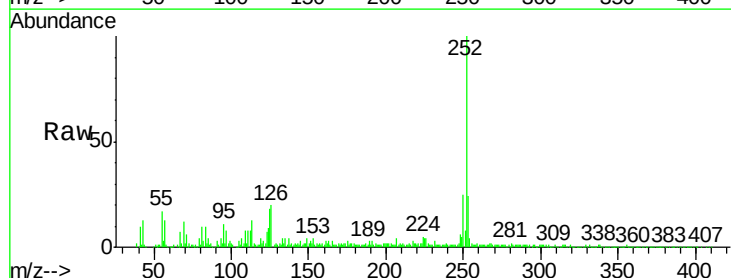
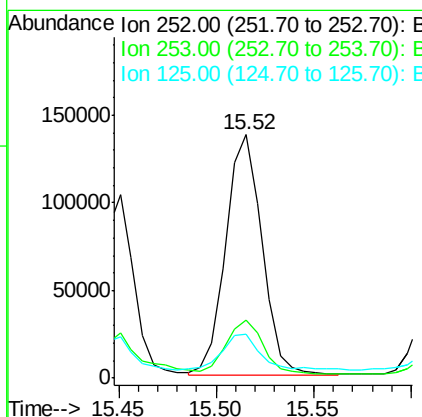
Manual Integrations
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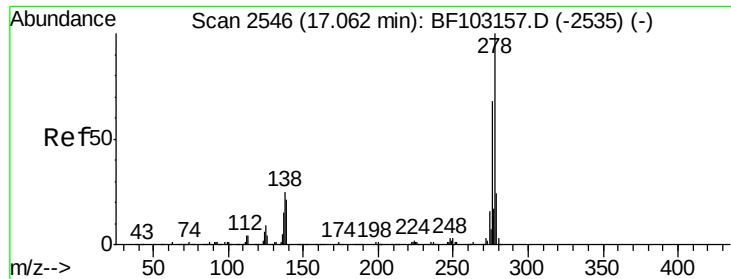
Sohil
3/5/2018 3:13:52 PM



#89
Benzo(a)pyrene
Concen: 18.778 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	18.0	9.8	14.6





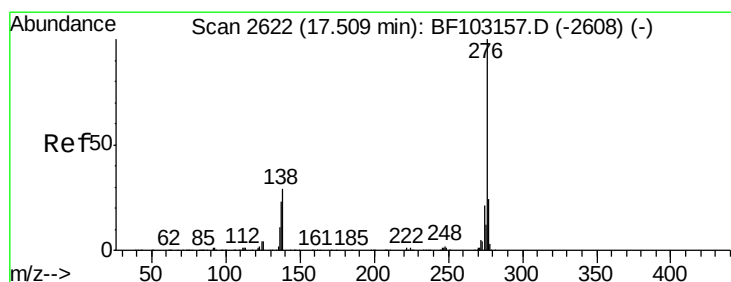
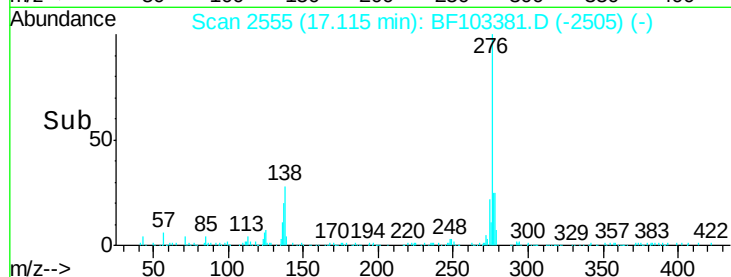
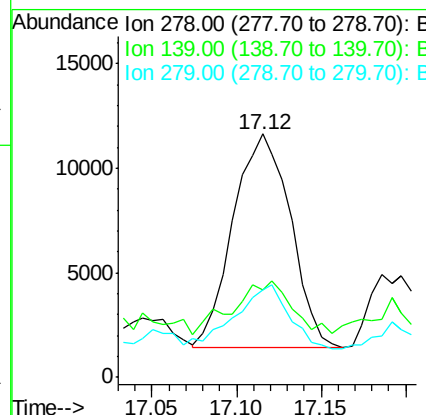
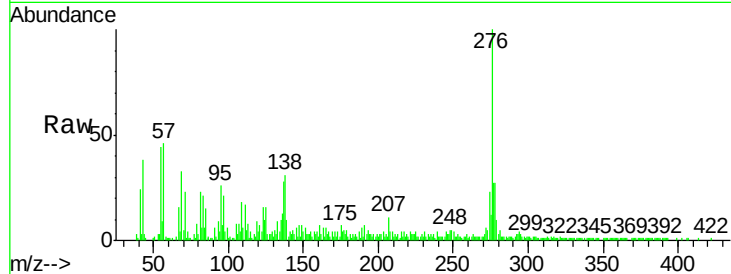
#90
Dibenzo(a,h)anthracene
Concen: 3.298 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Instrument :
BNA_F
ClientSampleId :
SP-40

Tot Ion	Ratio	Lower	Upper
278	100		
139	35.7	15.9	23.9#
279	36.1	19.0	28.4#

Manual Integrations
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3/5/2018 3:13:52 PM



#91
Benzo(g,h,i)perylene
Concen: 12.979 ng
RT: 17.59 min Scan# 2635
Delta R.T. 0.01 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	31.0	21.8	32.8

