

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
 Data File : BF102782.D
 Acq On : 6 Feb 2018 14:24
 Operator : SJ/JU
 Sample : J1454-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-10-WW(4-8)

Manual Integrations
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Sohil
 2/7/2018 4:16:17 PM

Quant Time: Feb 06 16:10:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	158353	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	732976	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	290605	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	388106	20.00	ng	0.00
75) Chrysene-d12	14.08	240	171073	20.00	ng	0.03
86) Perylene-d12	15.59	264	214898	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1174806	112.67	ng	0.01
7) Phenol-d6	6.51	99	1556276	123.96	ng	0.00
23) Nitrobenzene-d5	7.45	82	945412	89.48	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	250693	107.18	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1343898	76.74	ng	0.00
78) Terphenyl-d14	13.02	244	596689	82.59	ng	0.02
Target Compounds						
2) 1,4-Dioxane	2.69	88	11218	2.178	ng	Qvalue # 76
10) Phenol	6.52	94	128316	9.537	ng	93
31) Naphthalene	8.19	128	165671	4.626	ng	# 92
37) 2-Methylnaphthalene	8.88	142	139172	5.936	ng	97
49) Dimethylphthalate	9.63	163	203656	8.988	ng	# 96
51) Acenaphthene	9.96	154	192261	10.742	ng	100
54) Dibenzofuran	10.13	168	237302	9.408	ng	# 96
57) Fluorene	10.47	166	245587	13.382	ng	98
70) Phenanthrene	11.44	178	645780	29.877	ng	99
71) Anthracene	11.49	178	107022m	4.868	ng	
73) Di-n-butylphthalate	11.97	149	369865	14.137	ng	99
74) Fluoranthene	12.66	202	251023	11.543	ng	95
77) Pyrene	12.88	202	223725	16.677	ng	# 96
80) Benzo(a)anthracene	14.07	228	73977	6.876	ng	# 80
82) Chrysene	14.10	228	76246	7.030	ng	# 83
85) Indeno(1,2,3-cd)pyrene	17.08	276	60845	6.764	ng	98
87) Benzo(b)fluoranthene	15.14	252	107921m	7.746	ng	
88) Benzo(k)fluoranthene	15.16	252	33092m	2.486	ng	
91) Benzo(a,h,i)perylene	17.53	276	65816	6.606	ng	# 85

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

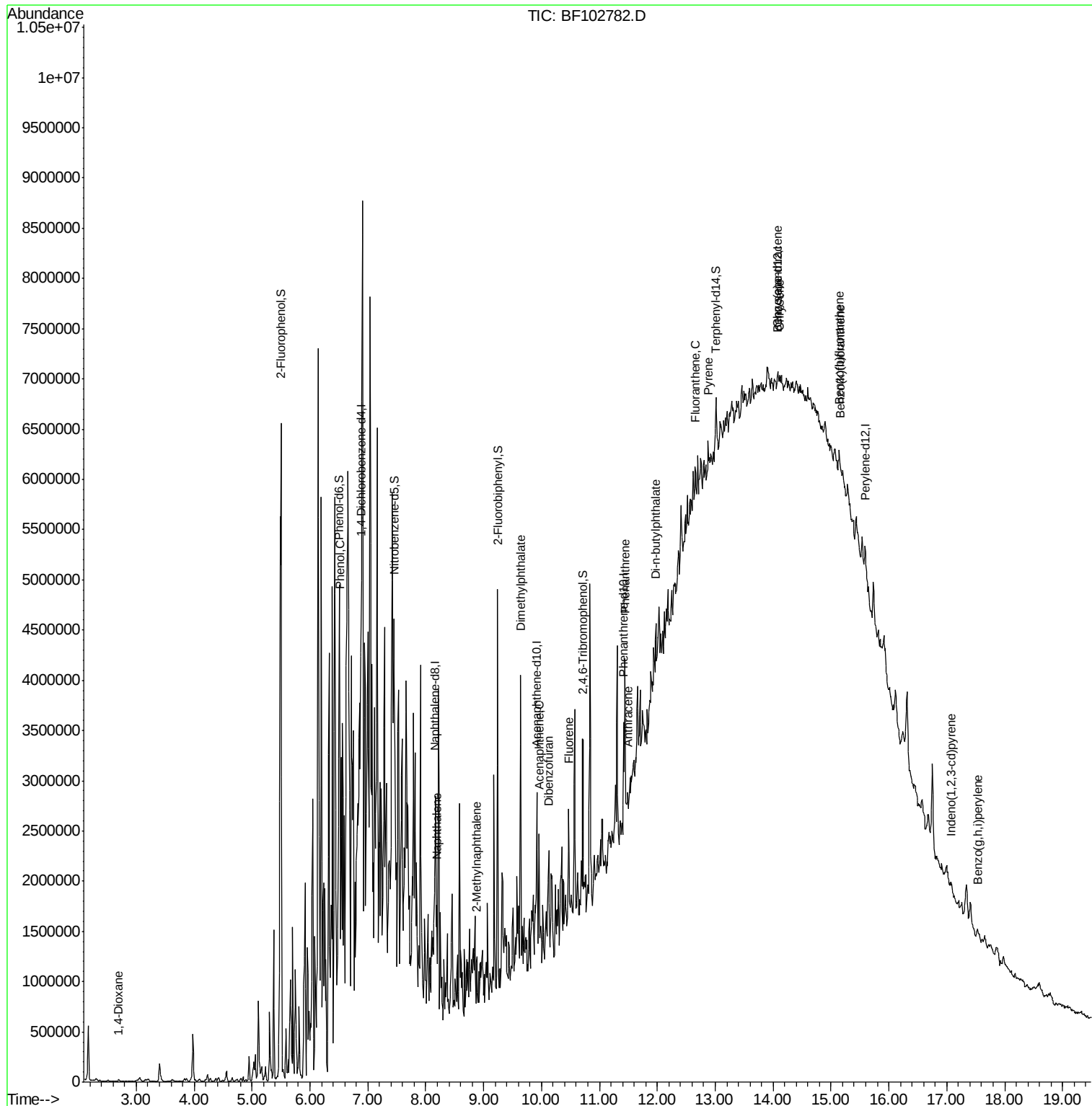
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
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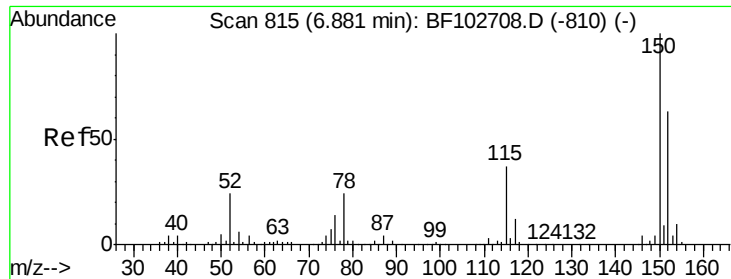
Instrument :
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8-SAN-10-WW(4-8)

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#1

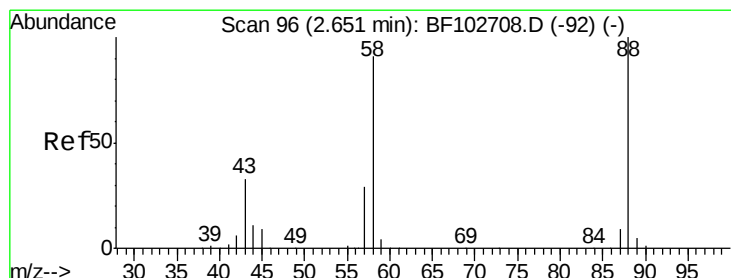
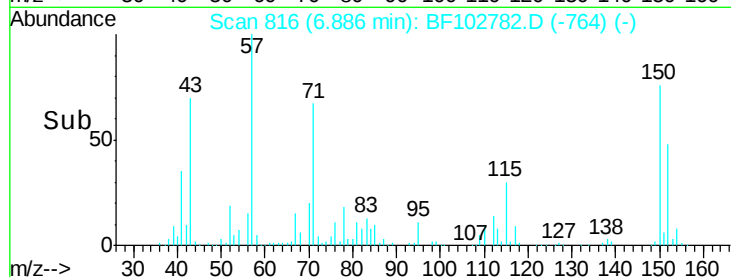
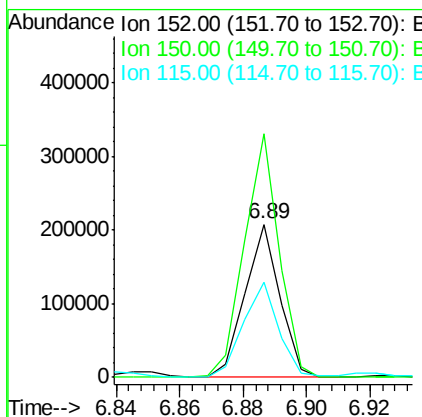
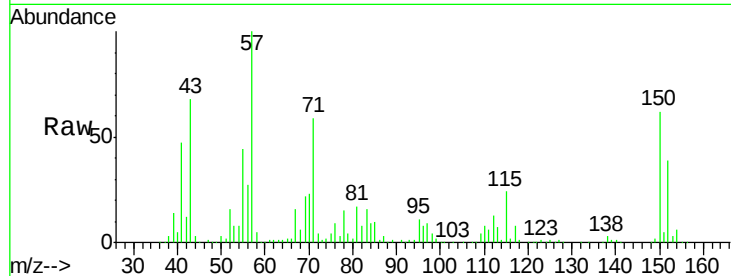
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102782.D
Acq: 6 Feb 2018 14:24

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-WW(4-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.6	186.8
115	62.4	50.1	75.1

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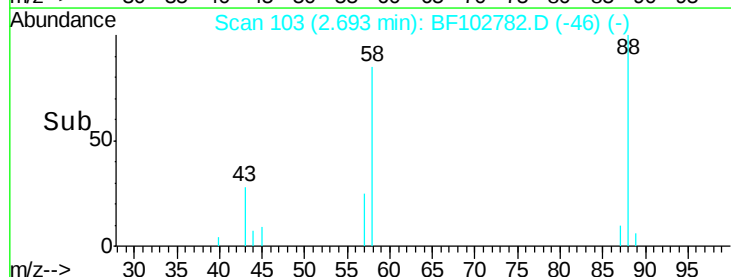
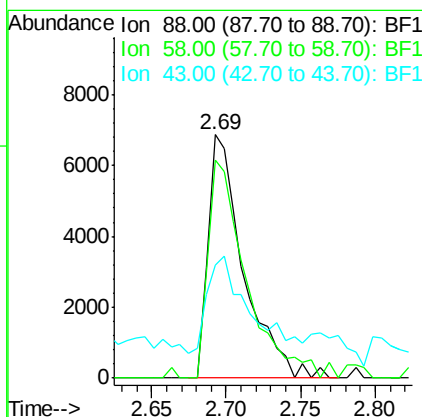
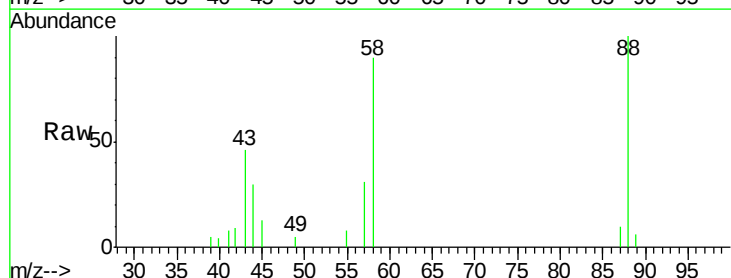
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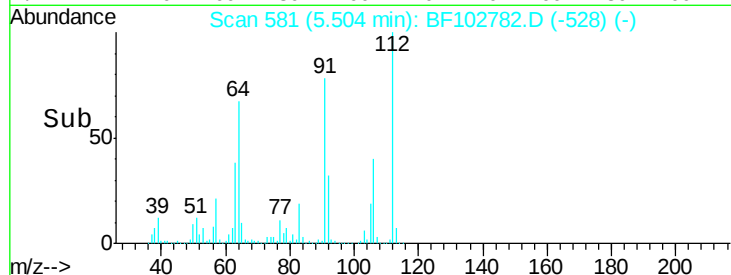
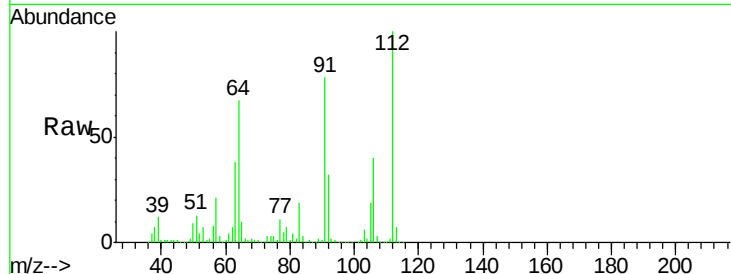
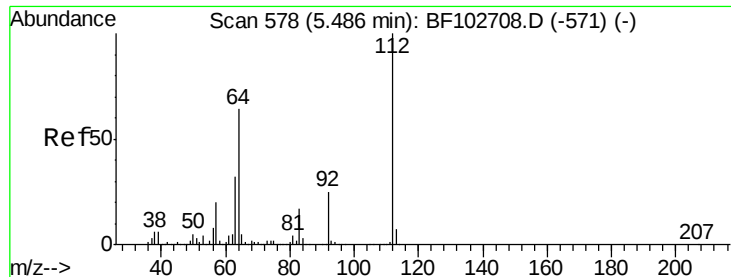


#2

1,4-Dioxane
Concen: 2.178 ng
RT: 2.69 min Scan# 103
Delta R.T. 0.04 min
Lab File: BF102782.D
Acq: 6 Feb 2018 14:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	97.0	62.6	93.8#
43	46.5	24.6	37.0#





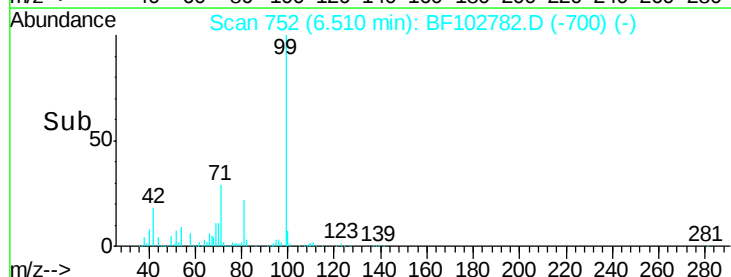
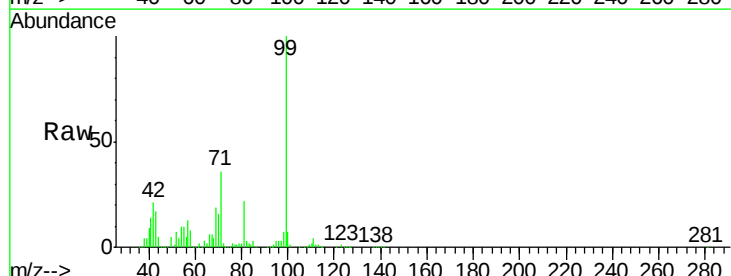
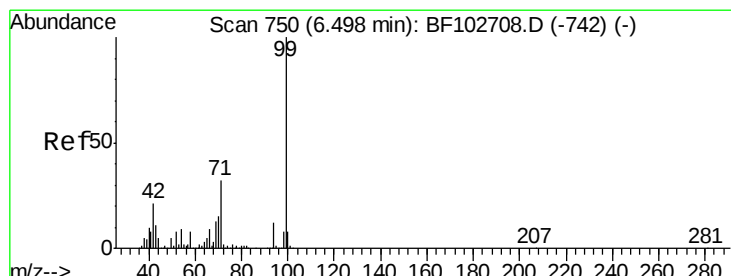
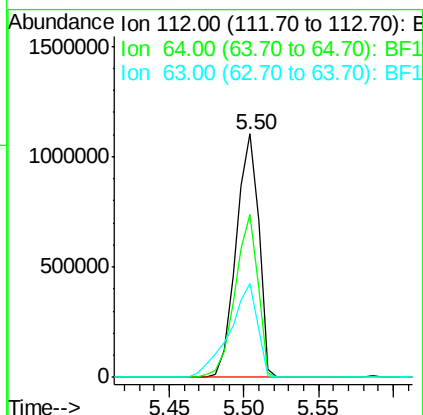
#5
2-Fluorophenol
Concen: 112.668 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102782.D
Acq: 6 Feb 2018 14:24

Tot Ion	Ratio	Lower	Upper
112	100		
64	67.0	47.9	71.9
63	38.5	23.7	35.5

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-WW(4-8)

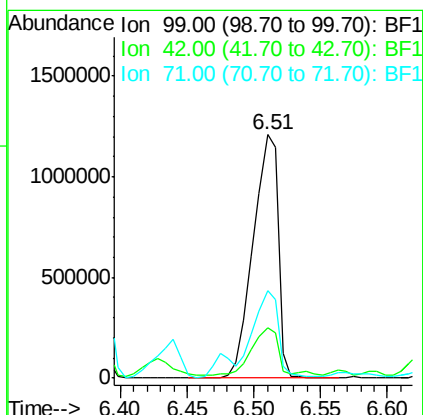
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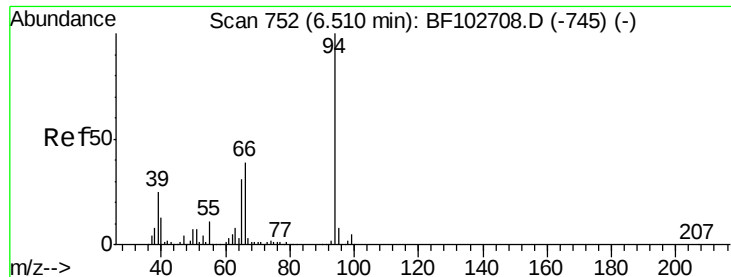
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#7
Phenol-d6
Concen: 123.957 ng
RT: 6.51 min Scan# 752
Delta R.T. 0.01 min
Lab File: BF102782.D
Acq: 6 Feb 2018 14:24

Tgt Ion	Ratio	Lower	Upper
99	100		
42	20.8	14.5	21.7
71	35.7	25.4	38.0





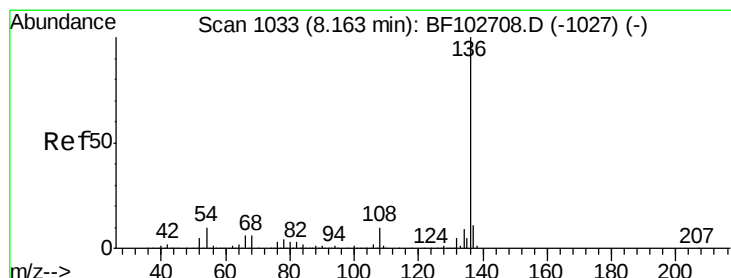
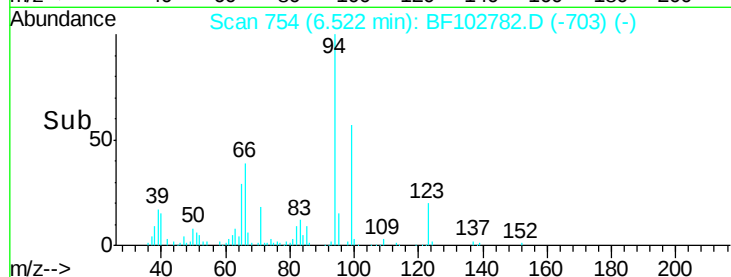
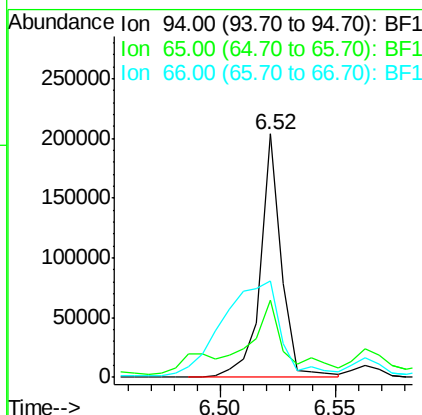
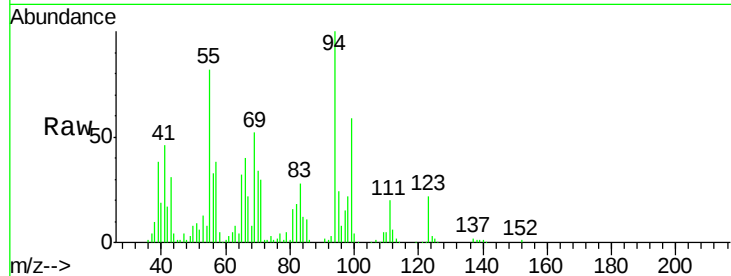
#10
Phenol
Concen: 9.537 ng
RT: 6.52 min Scan# 754
Delta R.T. -0.00 min
Lab File: BF102782.D
Acq: 6 Feb 2018 14:24

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-WW(4-8)

Tot Ion	Ratio	Lower	Upper
94	100		
65	31.9	7.9	47.9
66	39.6	16.2	56.2

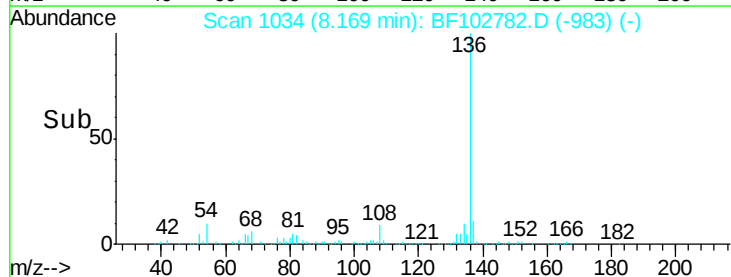
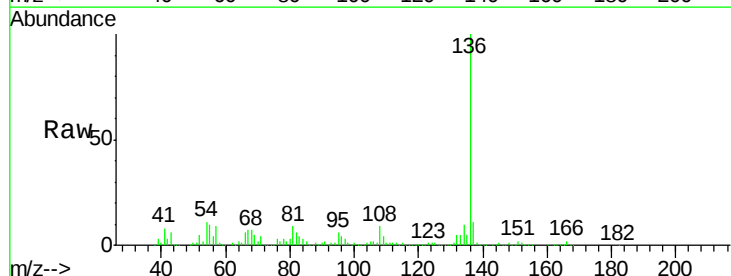
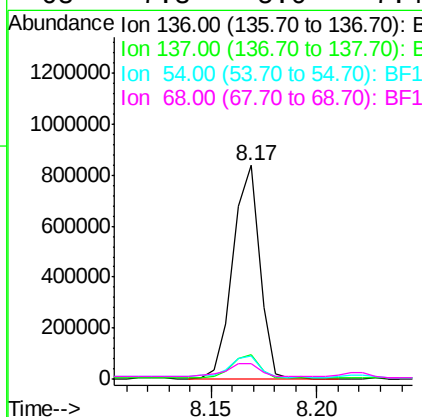
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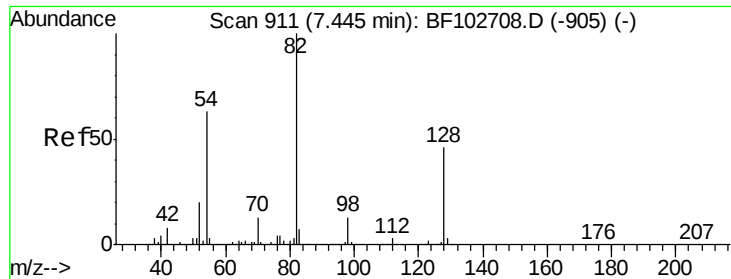
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF102782.D
Acq: 6 Feb 2018 14:24

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	10.7	6.6	9.8
68	7.3	5.0	7.4





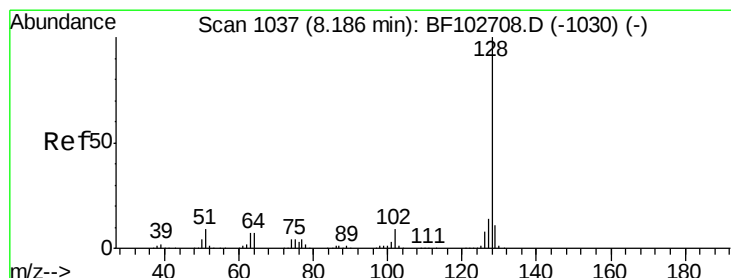
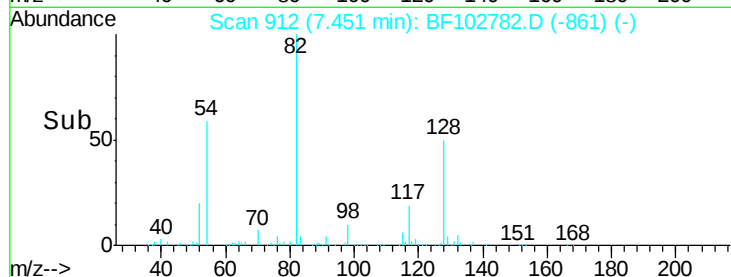
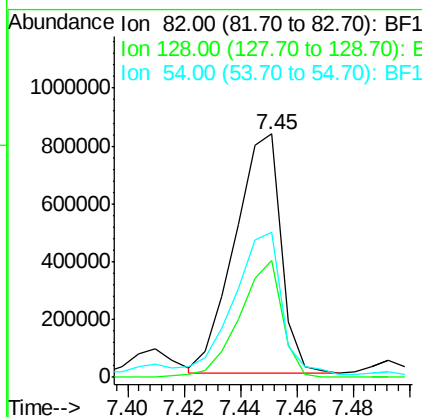
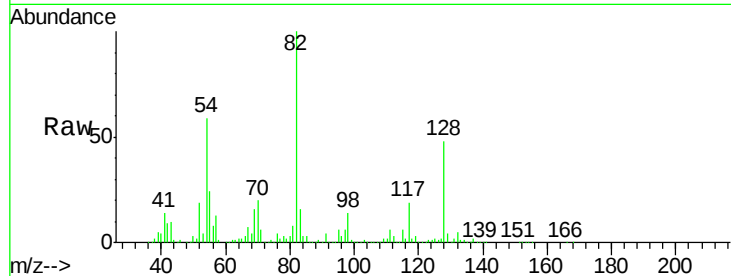
#23
Nitrobenzene-d5
Concen: 89.476 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.00 min
Lab File: BF102782.D
Acq: 6 Feb 2018 14:24

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-WW(4-8)

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	36.1	54.1
54	59.4	41.4	62.2

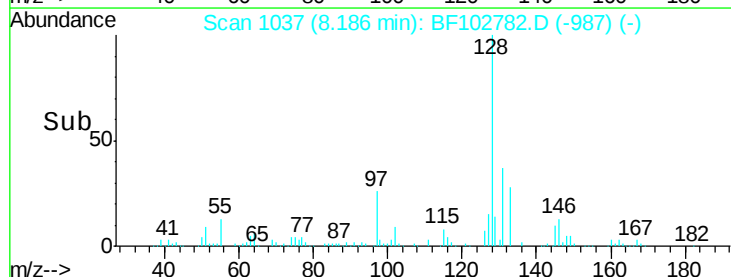
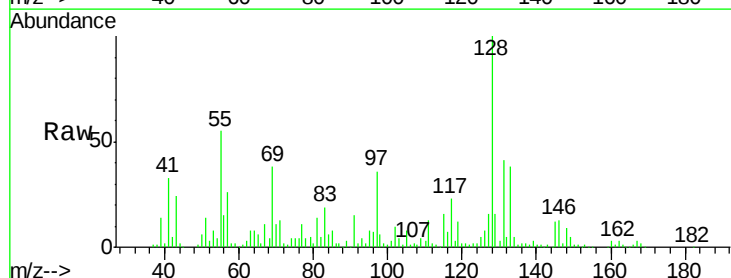
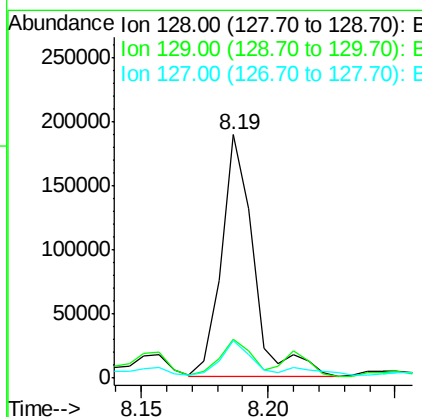
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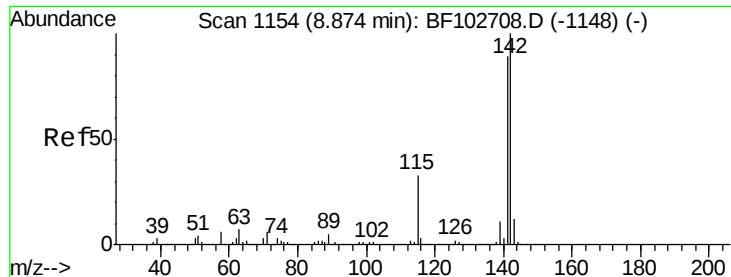
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#31
Naphthalene
Concen: 4.626 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF102782.D
Acq: 6 Feb 2018 14:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	15.7	8.8	13.2#
127	15.5	10.9	16.3





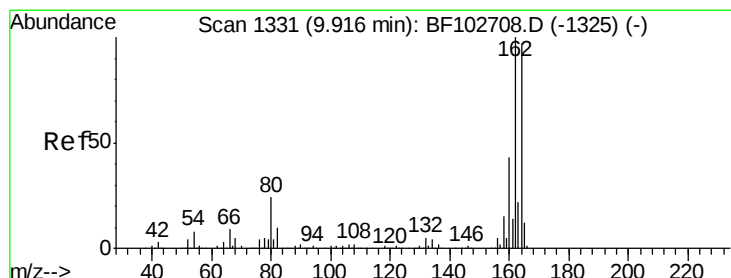
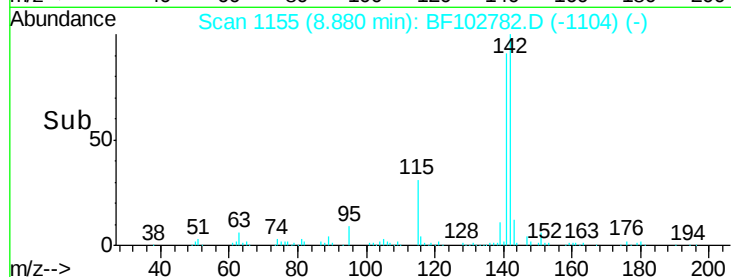
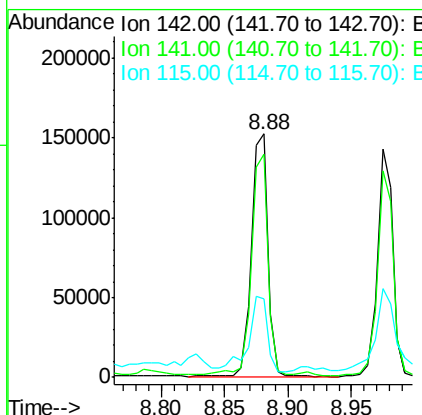
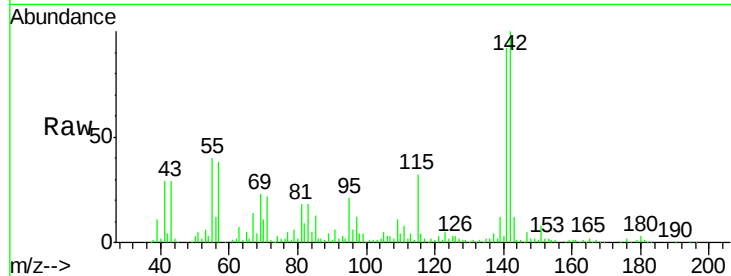
#37
2-Methylnaphthalene
Concen: 5.936 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF102782.D
Acq: 6 Feb 2018 14:24

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-WW(4-8)

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.7	70.8	106.2
115	32.1	26.1	39.1

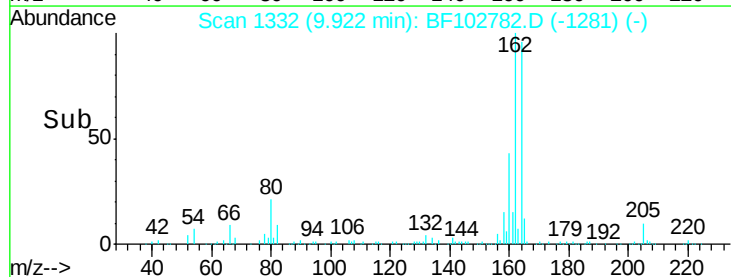
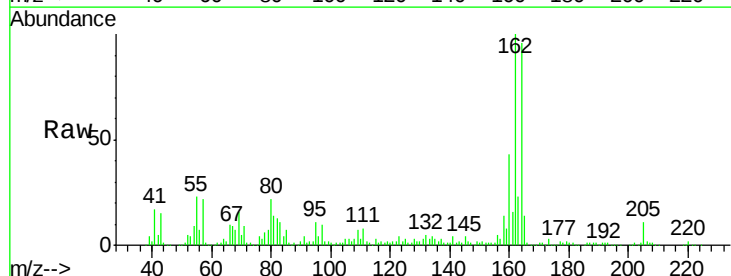
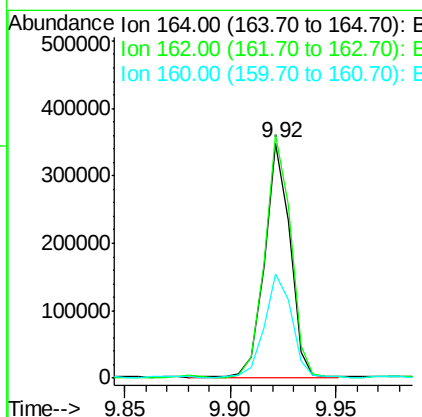
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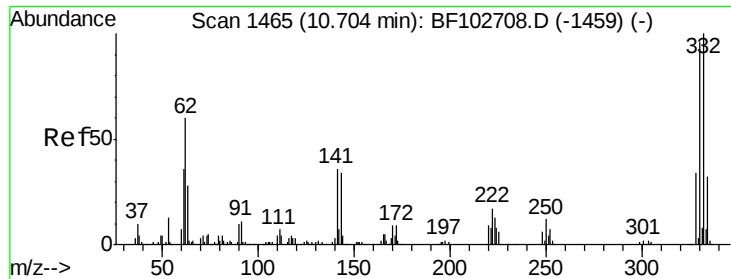
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF102782.D
Acq: 6 Feb 2018 14:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.1	129.1
160	44.6	38.3	57.5





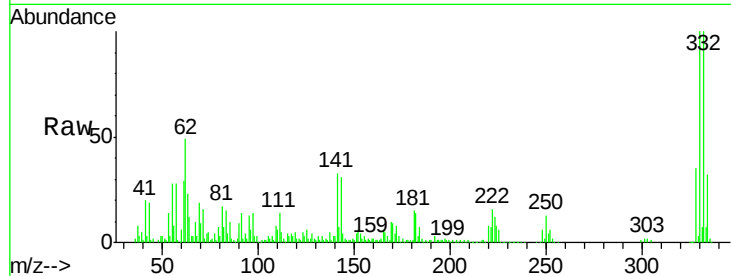
#41
 2,4,6-Tribromophenol
 Concen: 107.178 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF102782.D
 Acq: 6 Feb 2018 14:24

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-10-WW(4-8)

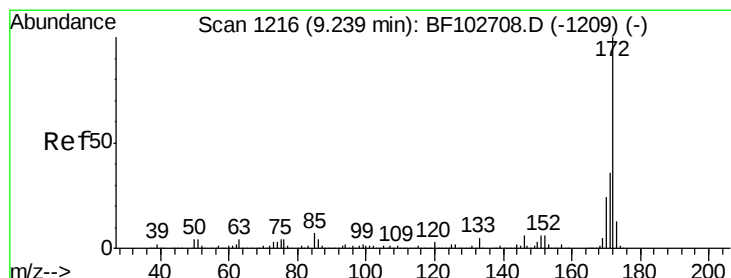
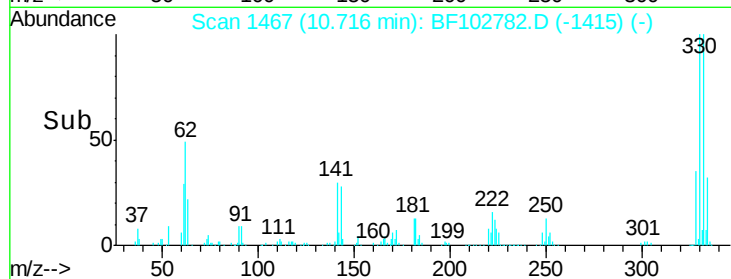
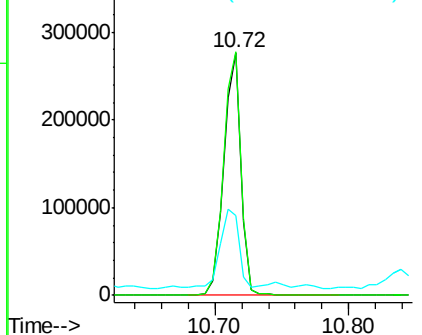
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.5	77.0	115.6	
141	34.4	29.9	44.9	

Manual Integrations
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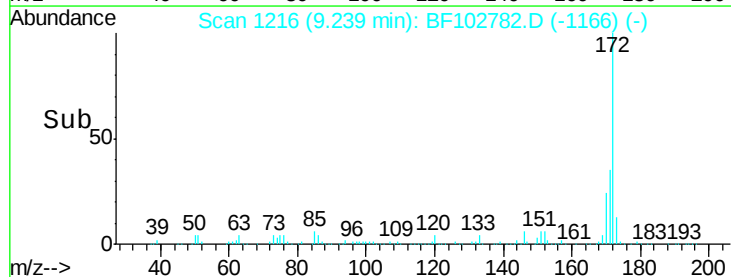
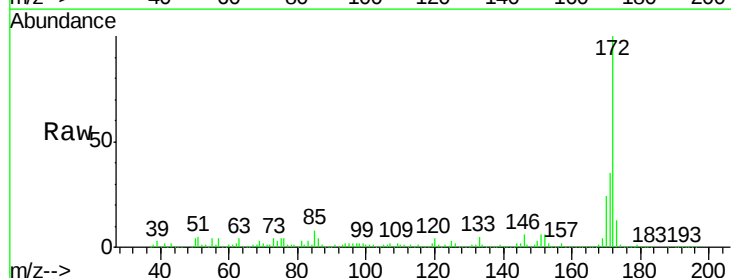
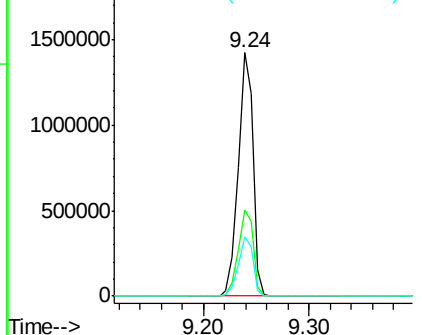
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

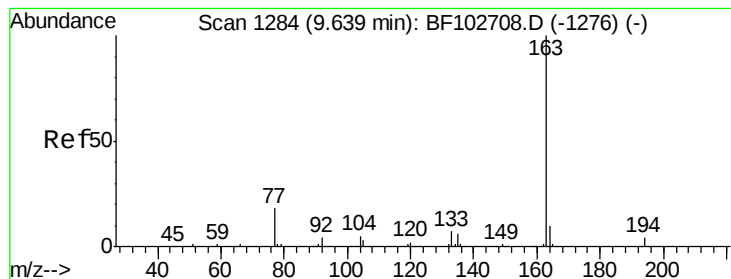


#44
 2-Fluorobiphenyl
 Concen: 76.737 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102782.D
 Acq: 6 Feb 2018 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.1	29.7	44.5	
170	24.3	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: 8.988 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102782.D

Acq: 6 Feb 2018 14:24

Instrument :

BNA_F

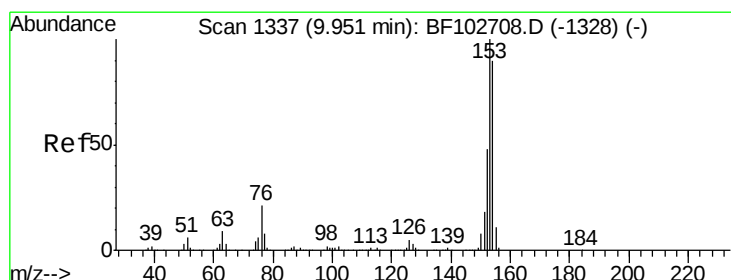
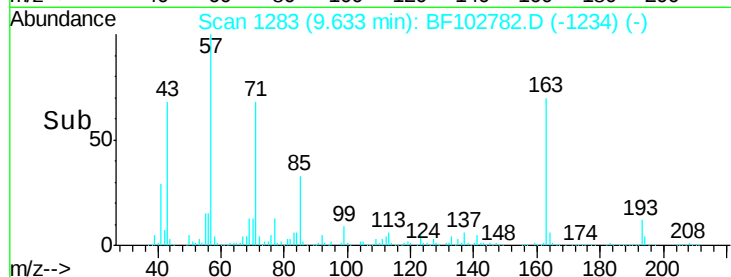
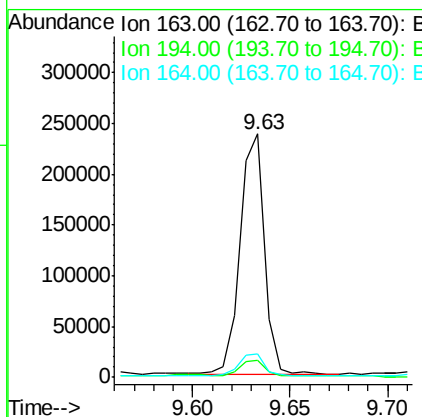
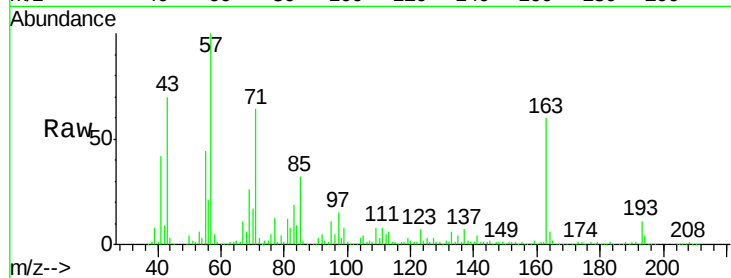
ClientSampleId :

8-SAN-10-WW(4-8)

Tot Ion:	163	Resp:	203656
Ion Ratio	Lower	Upper	
163	100		
194	7.1	2.7	4.1#
164	9.6	8.2	12.2

Manual Integrations
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#51

Acenaphthene

Concen: 10.742 ng

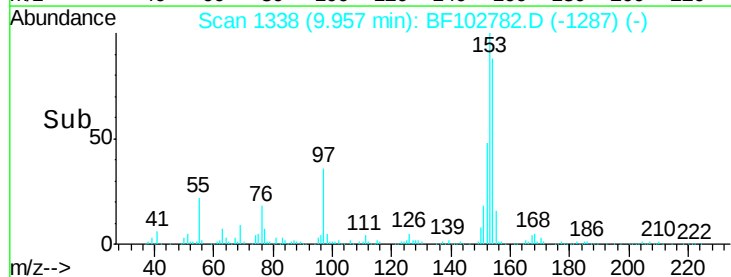
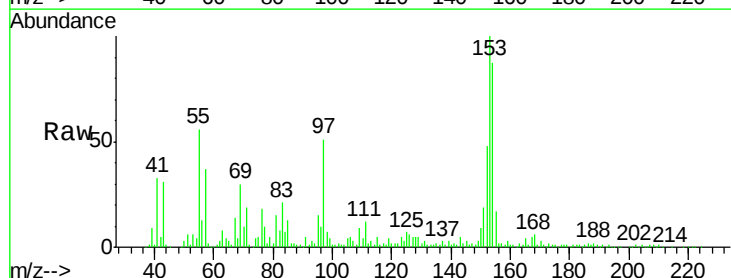
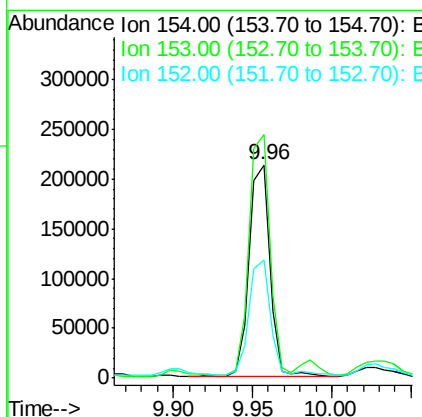
RT: 9.96 min Scan# 1338

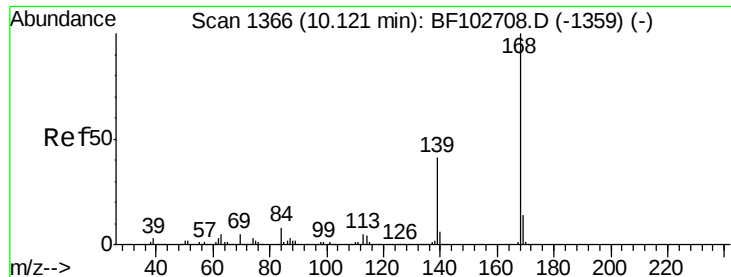
Delta R.T. -0.00 min

Lab File: BF102782.D

Acq: 6 Feb 2018 14:24

Tgt Ion:	154	Resp:	192261
Ion Ratio	Lower	Upper	
154	100		
153	114.3	91.2	136.8
152	55.3	43.8	65.8





#54

Dibenzofuran

Concen: 9.408 ng

RT: 10.13 min Scan# 1367

Delta R.T. -0.00 min

Lab File: BF102782.D

Acq: 6 Feb 2018 14:24

Instrument :

BNA_F

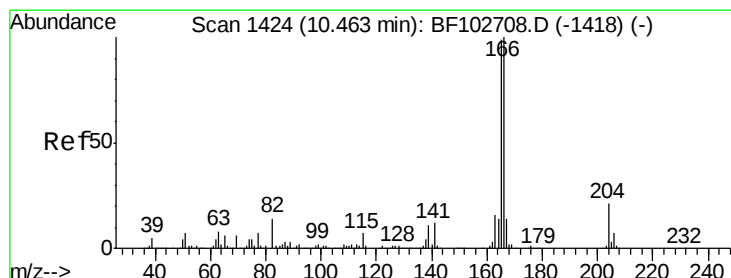
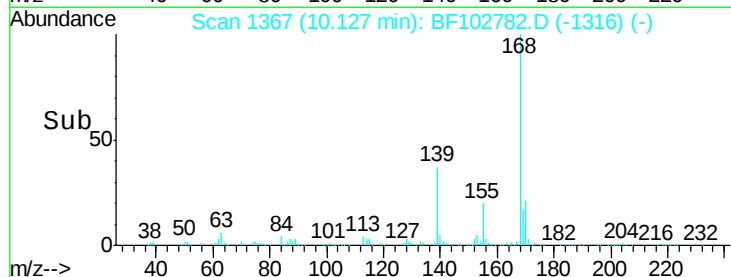
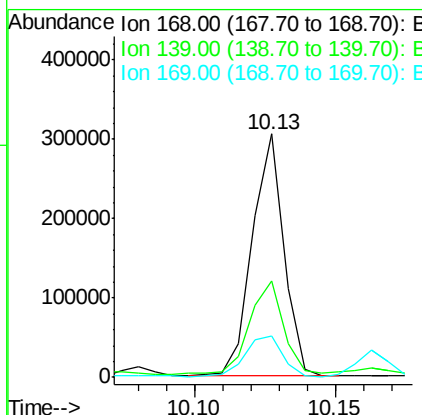
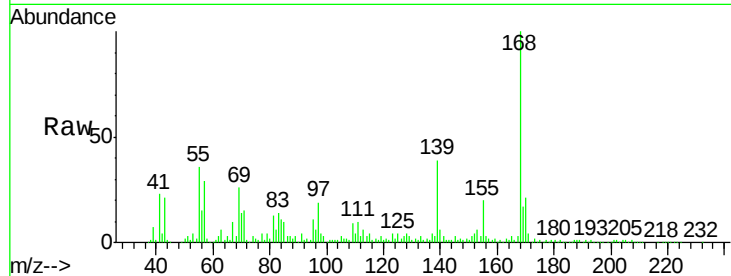
ClientSampleId :

8-SAN-10-WW(4-8)

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.4	30.1	45.1
169	16.8	10.9	16.3

Manual Integrations
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Sohil
2/7/2018 4:16:17 PM



#57

Fluorene

Concen: 13.382 ng

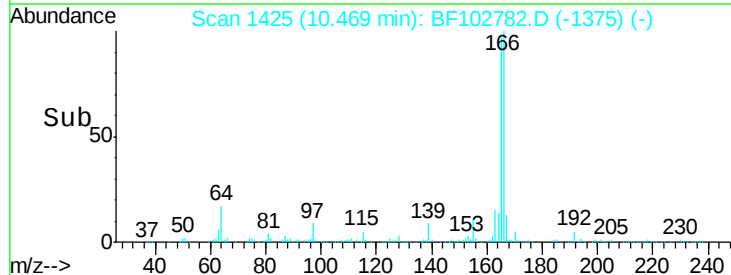
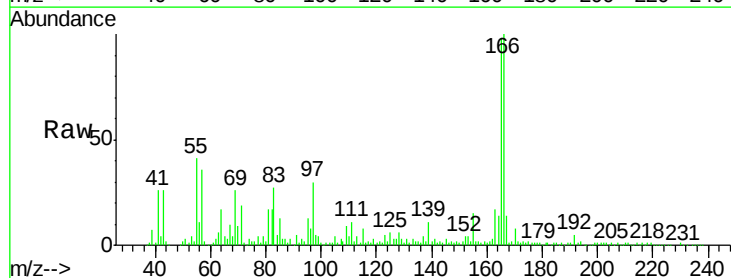
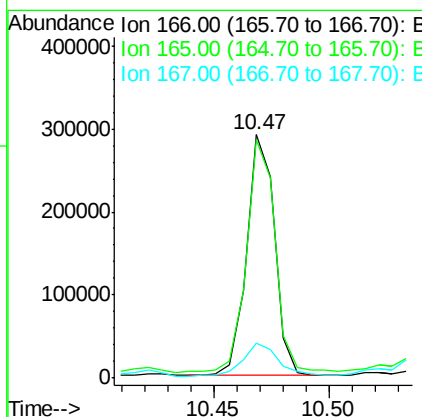
RT: 10.47 min Scan# 1425

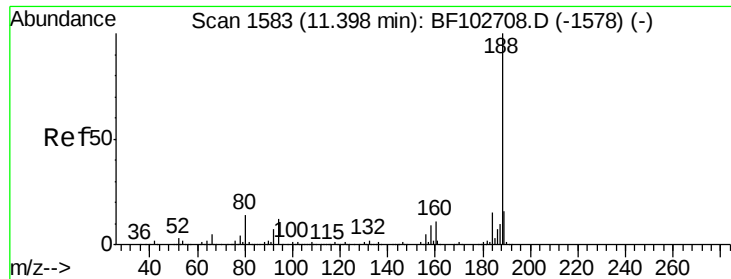
Delta R.T. -0.01 min

Lab File: BF102782.D

Acq: 6 Feb 2018 14:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.8	119.8
167	14.4	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BF102782.D

Acq: 6 Feb 2018 14:24

Instrument :

BNA_F

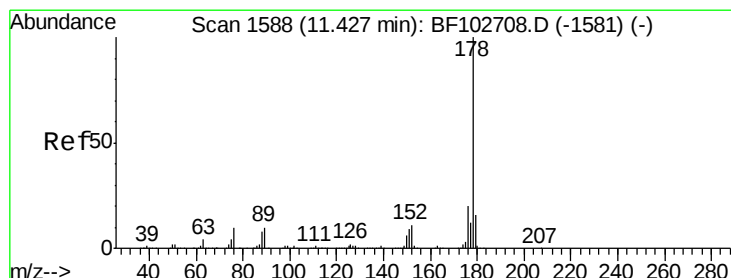
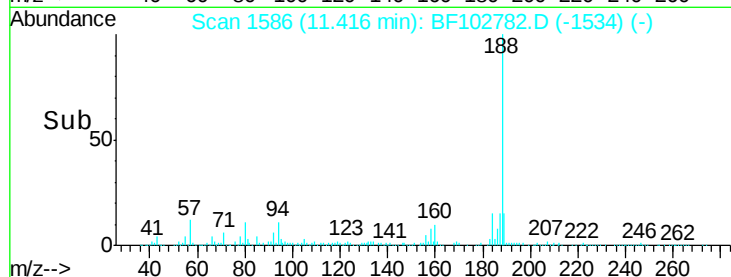
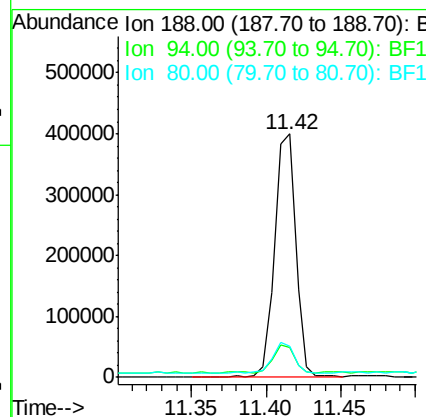
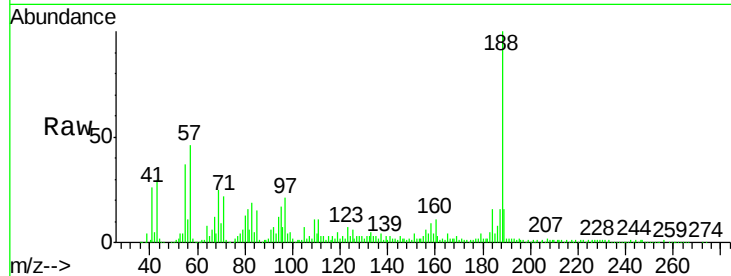
ClientSampleId :

8-SAN-10-WW(4-8)

Tot Ion:	188	Resp:	388106
Ion Ratio	Lower	Upper	
188	100		
94	12.5	8.5	12.7
80	12.8	9.2	13.8

Manual Integrations
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Sohil
2/7/2018 4:16:17 PM



#70

Phenanthrene

Concen: 29.877 ng

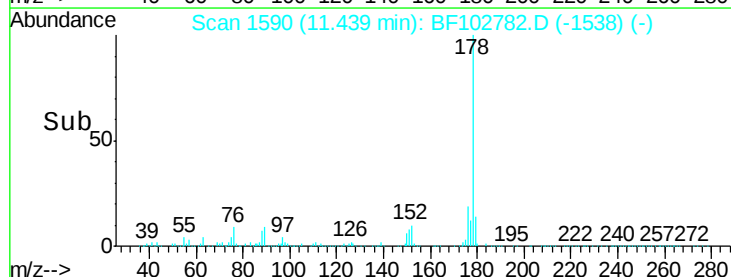
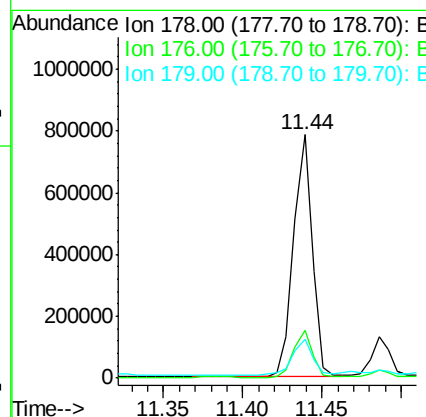
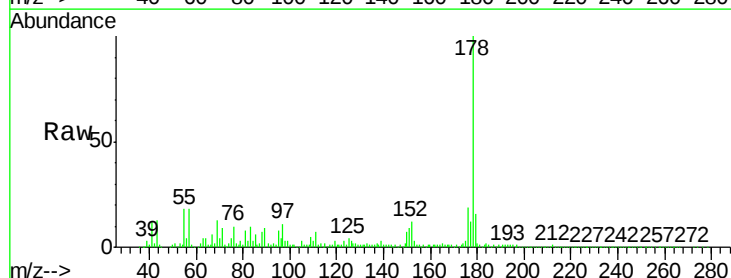
RT: 11.44 min Scan# 1590

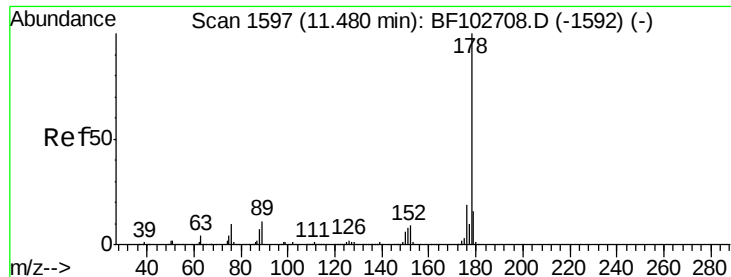
Delta R.T. 0.01 min

Lab File: BF102782.D

Acq: 6 Feb 2018 14:24

Tgt Ion:	178	Resp:	645780
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.8	23.8
179	16.2	13.0	19.6





#71

Anthracene

Concen: 4.868 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BF102782.D

Acq: 6 Feb 2018 14:24

Instrument :

BNA_F

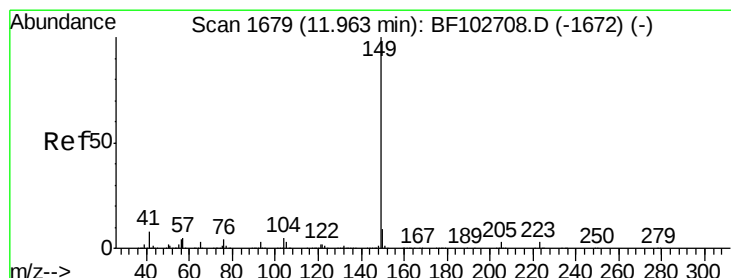
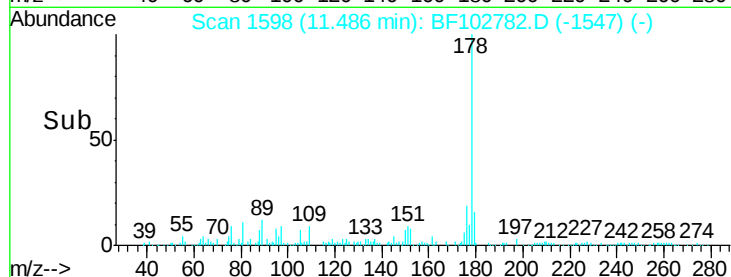
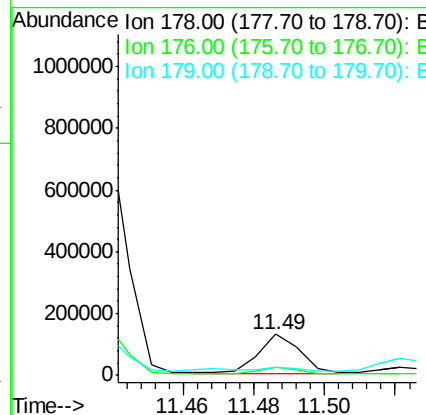
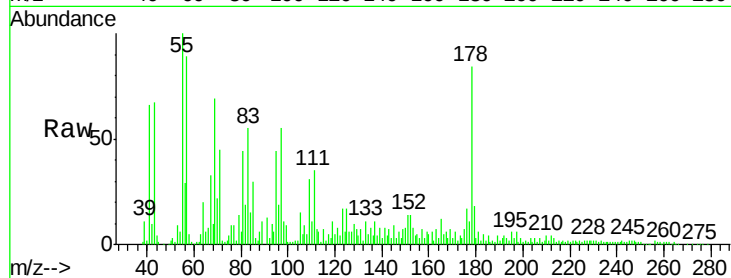
ClientSampleId :

8-SAN-10-WW(4-8)

Tot Ion:	178	Resp:	107022
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.4	23.2
179	20.9	12.6	19.0

Manual Integrations
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#73

Di-n-butylphthalate

Concen: 14.137 ng

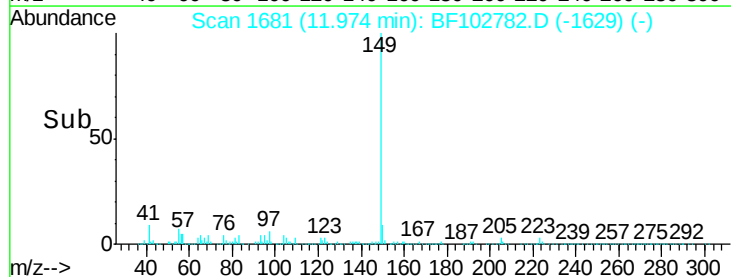
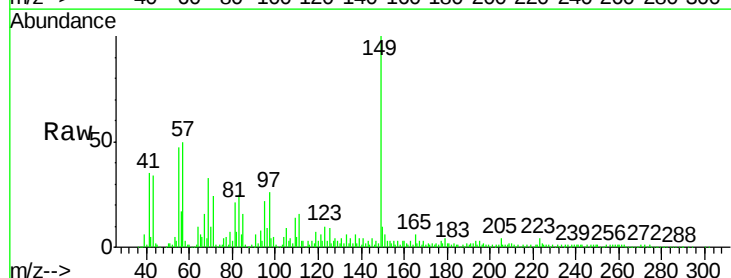
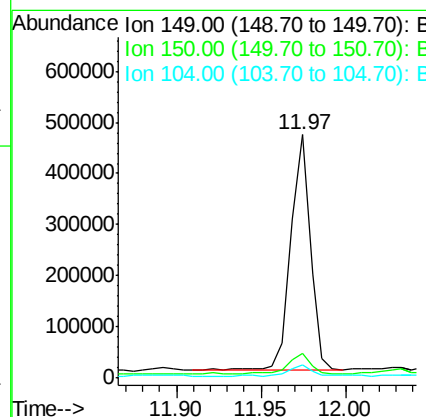
RT: 11.97 min Scan# 1681

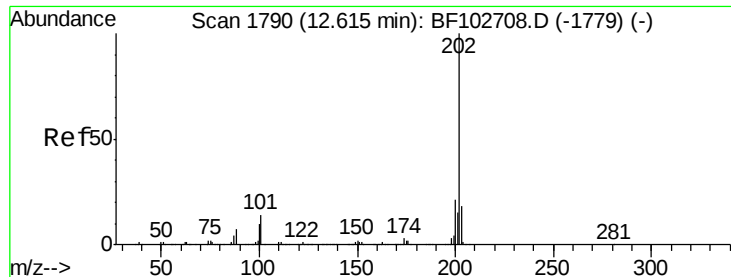
Delta R.T. 0.01 min

Lab File: BF102782.D

Acq: 6 Feb 2018 14:24

Tgt Ion:	149	Resp:	369865
Ion Ratio	Lower	Upper	
149	100		
150	10.1	7.8	11.6
104	5.4	3.8	5.8





#74

Fluoranthene

Concen: 11.543 ng

RT: 12.66 min Scan# 1797

Delta R.T. 0.04 min

Lab File: BF102782.D

Acq: 6 Feb 2018 14:24

Instrument :

BNA_F

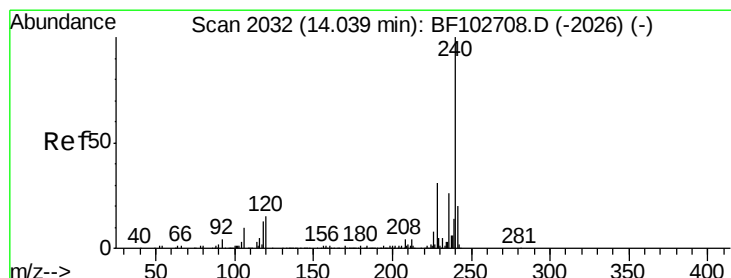
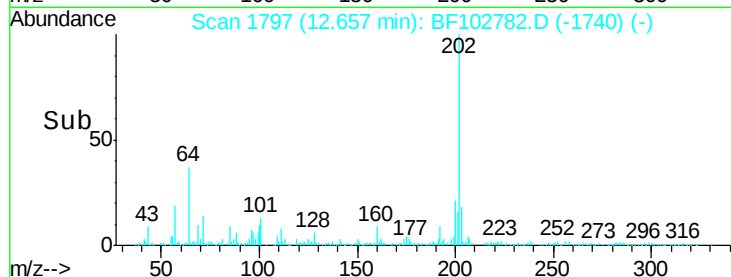
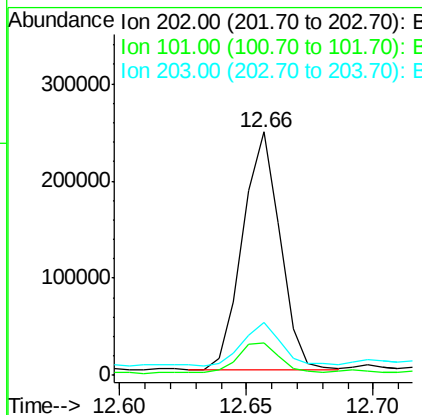
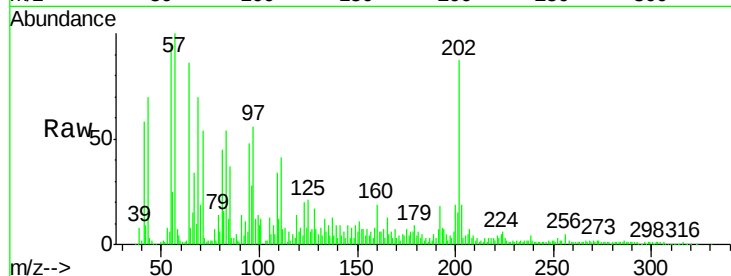
ClientSampleId :

8-SAN-10-WW(4-8)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.6	0.0	34.1
203	21.6	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

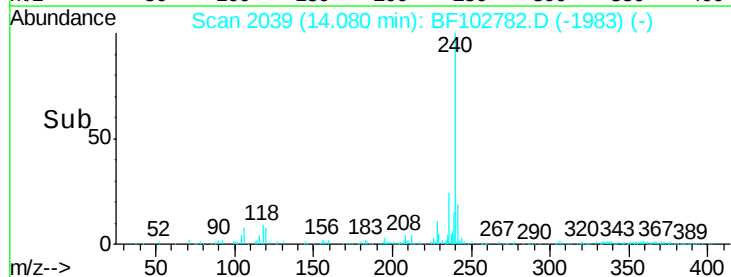
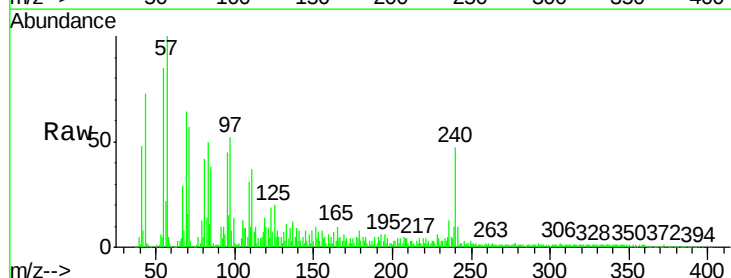
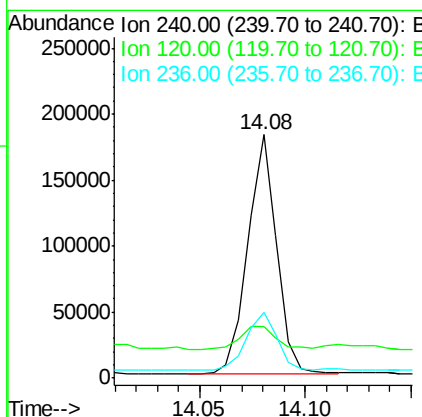
RT: 14.08 min Scan# 2039

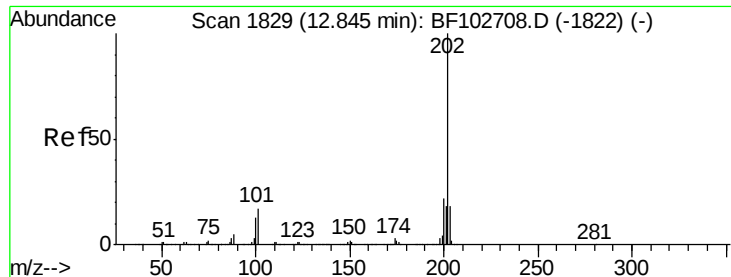
Delta R.T. 0.03 min

Lab File: BF102782.D

Acq: 6 Feb 2018 14:24

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	21.4	9.5	14.3#
236	26.9	20.7	31.1





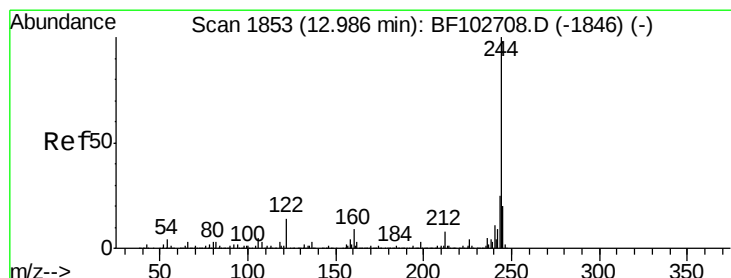
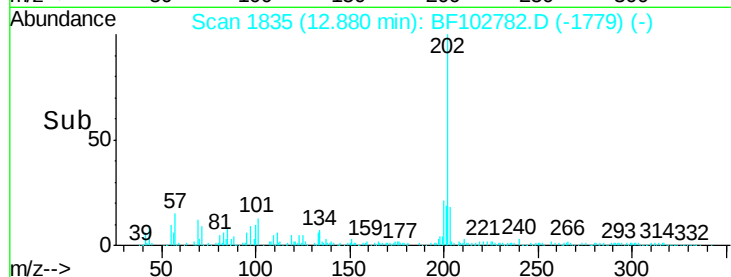
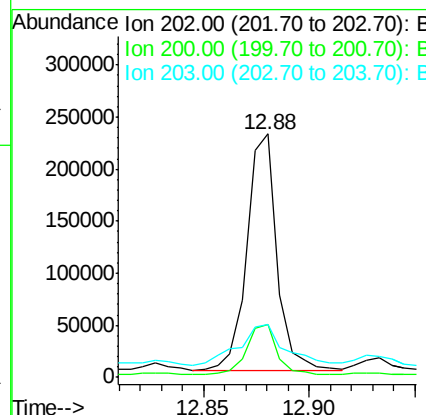
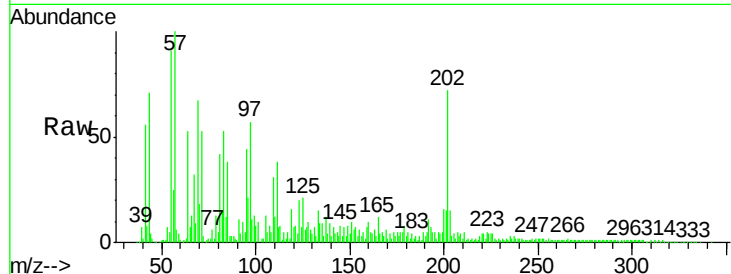
#77
Pvrene
Concen: 16.677 ng
RT: 12.88 min Scan# 1835
Delta R.T. 0.03 min
Lab File: BF102782.D
Acq: 6 Feb 2018 14:24

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-WW(4-8)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.7	17.4	26.2
203	21.5	14.3	21.5

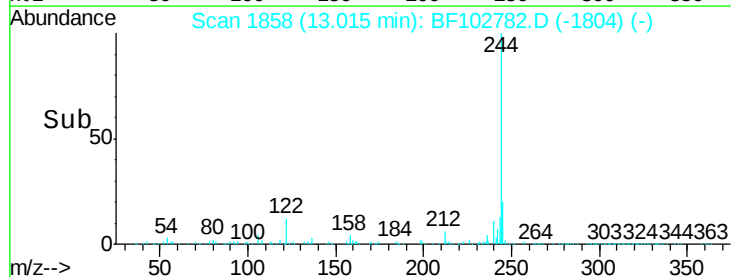
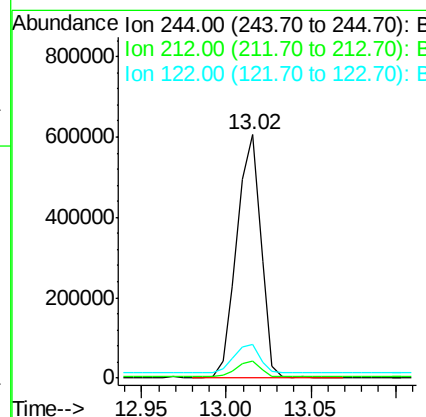
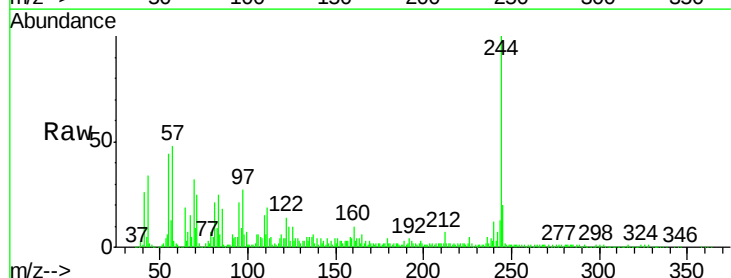
Manual Integrations
APPROVED

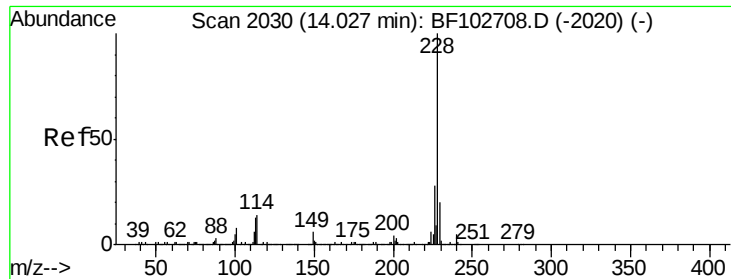
Sohil
2/7/2018 4:16:17 PM



#78
Terphenyl-d14
Concen: 82.586 ng
RT: 13.02 min Scan# 1858
Delta R.T. 0.02 min
Lab File: BF102782.D
Acq: 6 Feb 2018 14:24

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	5.4	8.0
122	13.7	11.0	16.4





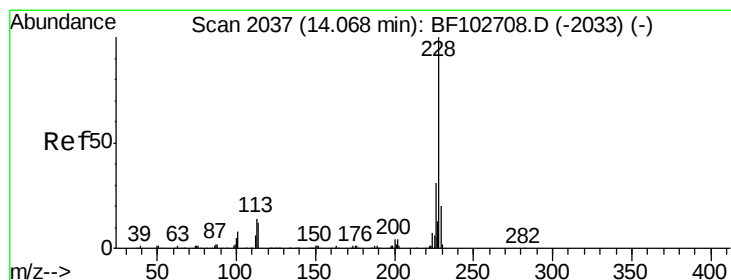
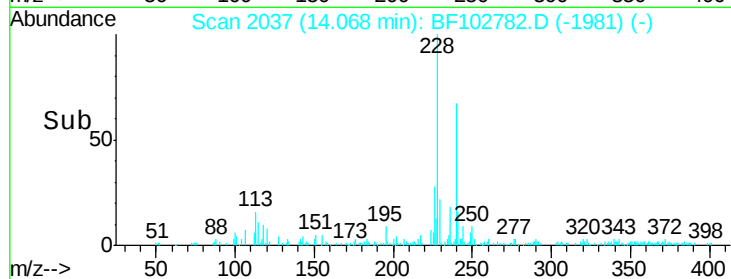
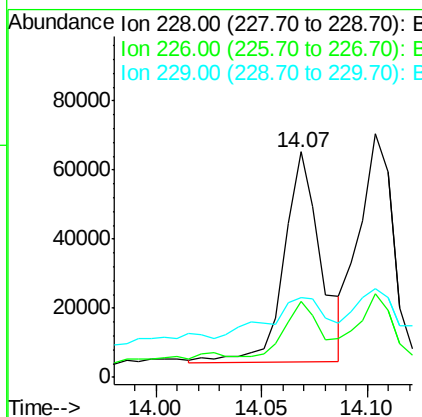
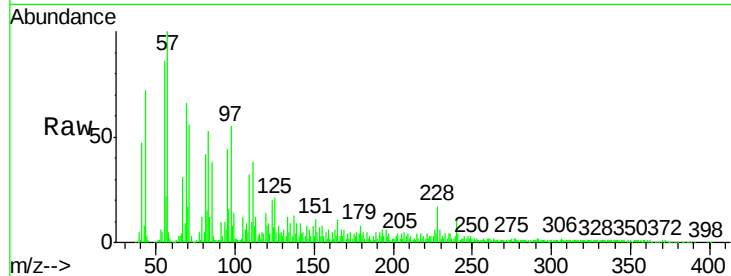
#80
Benzo(a)anthracene
Concen: 6.876 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.03 min
Lab File: BF102782.D
Acq: 6 Feb 2018 14:24

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-WW(4-8)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.9	22.6	33.8#
229	35.2	15.8	23.6#

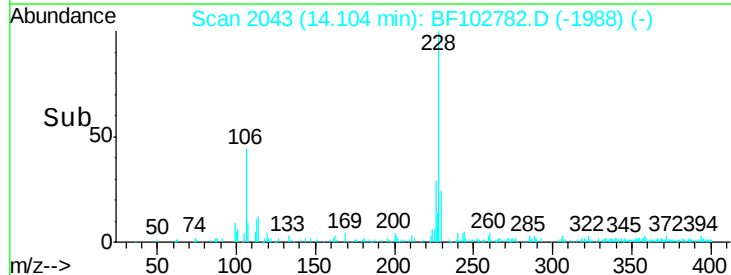
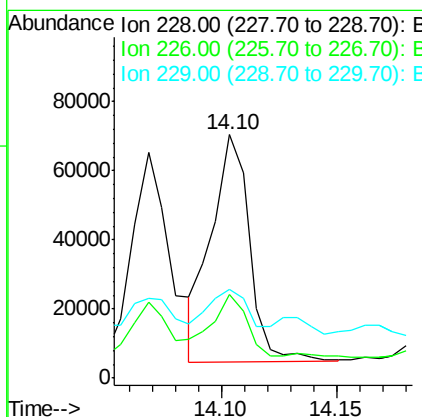
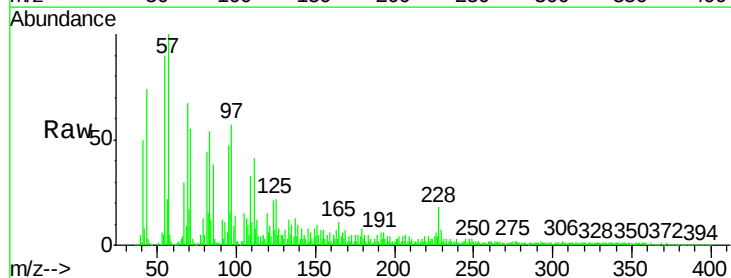
Manual Integrations
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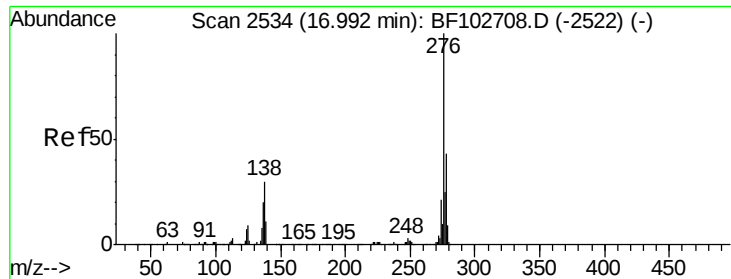
Sohil
2/7/2018 4:16:17 PM



#82
Chrysene
Concen: 7.030 ng
RT: 14.10 min Scan# 2043
Delta R.T. 0.02 min
Lab File: BF102782.D
Acq: 6 Feb 2018 14:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.1	25.0	37.6
229	36.4	16.2	24.4#





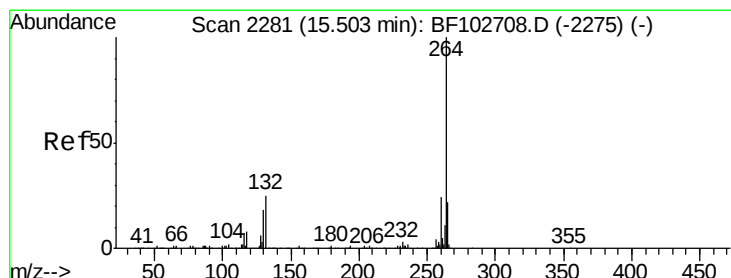
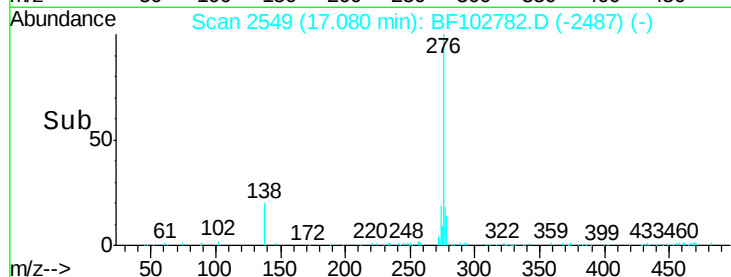
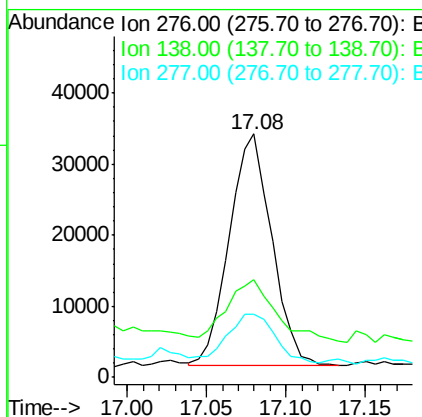
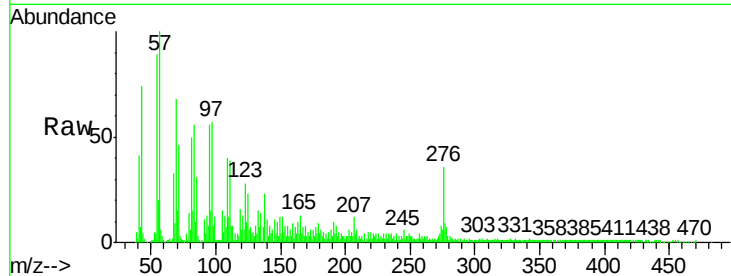
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.764 ng
RT: 17.08 min Scan# 2549
Delta R.T. 0.06 min
Lab File: BF102782.D
Acq: 6 Feb 2018 14:24

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-WW(4-8)

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.2	25.0	37.6
277	23.6	20.1	30.1

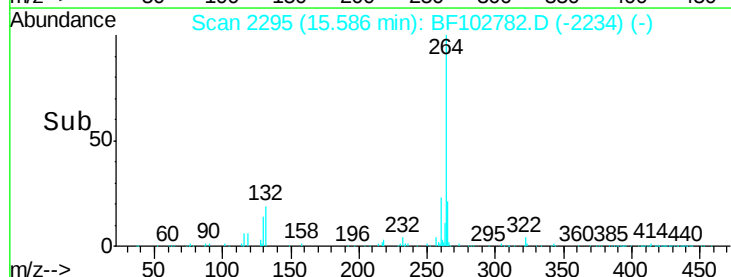
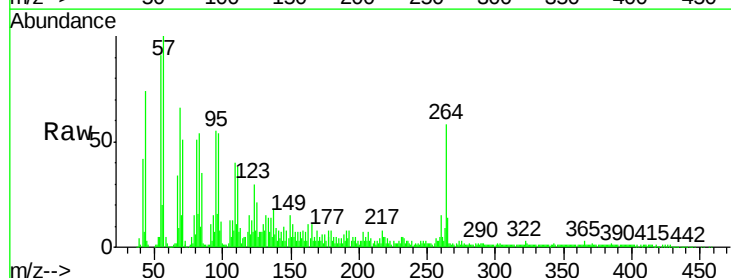
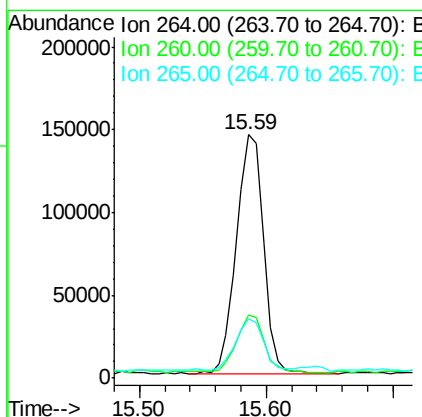
Manual Integrations
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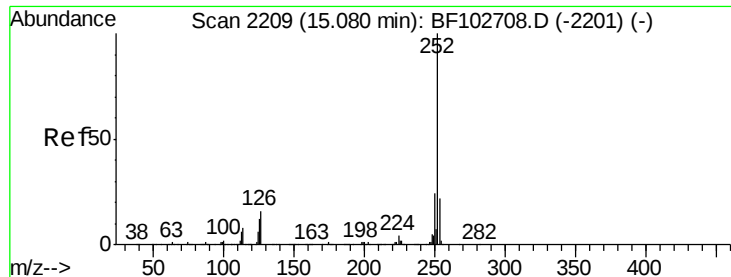
Sohil
2/7/2018 4:16:17 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.06 min
Lab File: BF102782.D
Acq: 6 Feb 2018 14:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.2	28.8
265	24.3	17.5	26.3





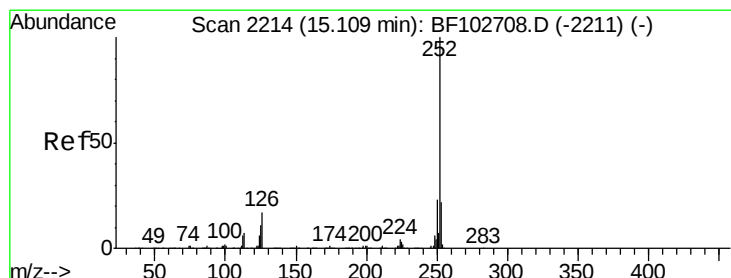
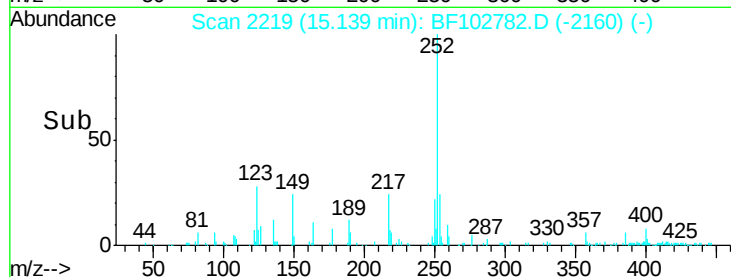
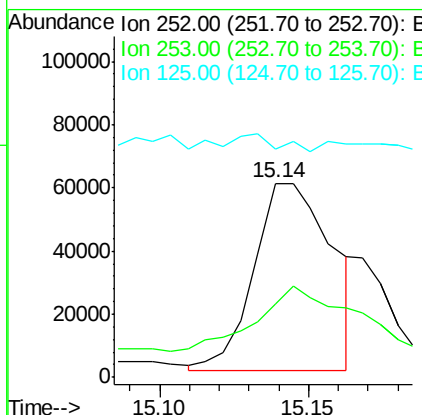
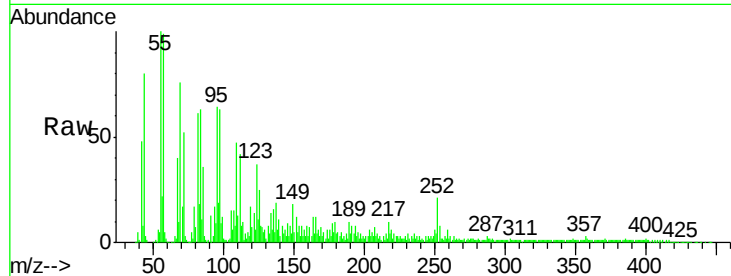
#87
Benzo(b)fluoranthene
Concen: 7.746 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.05 min
Lab File: BF102782.D
Acq: 6 Feb 2018 14:24

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-WW(4-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.8	17.0	25.6#
125	117.9	9.0	13.6#

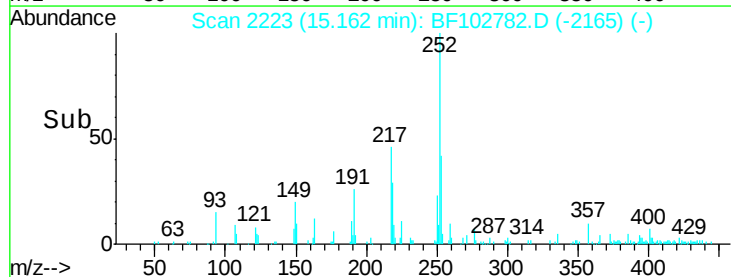
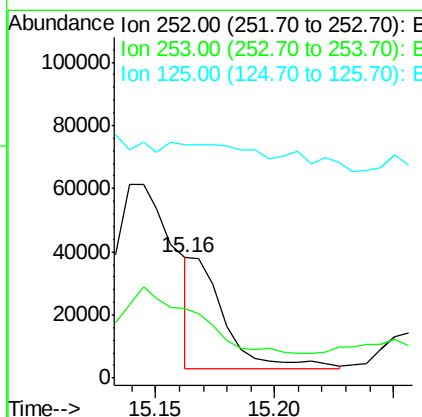
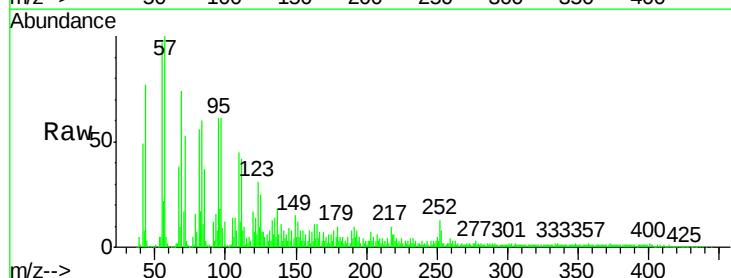
Manual Integrations
APPROVED

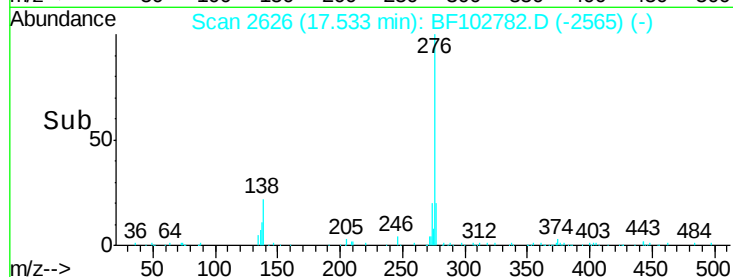
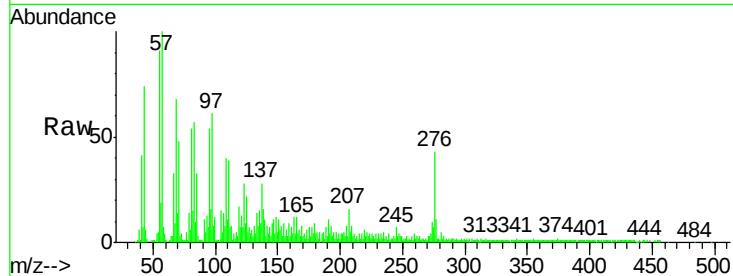
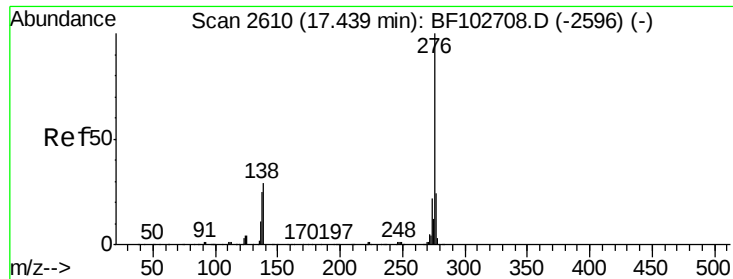
Sohil
2/7/2018 4:16:17 PM



#88
Benzo(k)fluoranthene
Concen: 2.486 ng m
RT: 15.16 min Scan# 2223
Delta R.T. 0.04 min
Lab File: BF102782.D
Acq: 6 Feb 2018 14:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	57.7	17.9	26.9#
125	194.6	10.2	15.2#





#91

Benzo(a,h,i)perylene

Concen: 6.606 ng

RT: 17.53 min Scan# 2626

Delta R.T. 0.06 min

Lab File: BF102782.D

Acq: 6 Feb 2018 14:24

Instrument :

BNA_F

ClientSampleId :

8-SAN-10-WW(4-8)

Tot Ion: 276 Resp: 65816

Ion Ratio Lower Upper

276 100

277 26.7 17.9 26.9

138 37.9 21.8 32.8#

Manual Integrations
APPROVED

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