

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102764.D
 Acq On : 6 Feb 2018 3:57
 Operator : SJ/JU
 Sample : J1454-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-5-EW(0-4)

Manual Integrations
 APPROVED

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 2/6/2018 2:26:17 PM

Quant Time: Feb 06 06:43:15 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	6.88	152	238988	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	985670	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	426003	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	636657	20.00	ng	0.00
75) Chrysene-d12	14.04	240	401694	20.00	ng	0.00
86) Perylene-d12	15.52	264	373959	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1393711	88.56	ng	0.00
7) Phenol-d6	6.51	99	1682707	88.81	ng	0.00
23) Nitrobenzene-d5	7.45	82	1056109	74.33	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	303787	88.60	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1363508	53.11	ng	0.00
78) Terphenyl-d14	12.99	244	891071	52.52	ng	0.00
Target Compounds						
10) Phenol	6.52	94	88021	4.335	ng	Qvalue 94
31) Naphthalene	8.18	128	133962	2.782	ng	99
37) 2-Methylnaphthalene	8.87	142	72737	2.307	ng	100
49) Dimethylphthalate	9.63	163	239014	7.196	ng	99
70) Phenanthrene	11.43	178	447095	12.609	ng	99
71) Anthracene	11.48	178	109878	3.047	ng	99
74) Fluoranthene	12.62	202	480039	13.456	ng	99
77) Pyrene	12.84	202	411095	13.051	ng	99
80) Benzo(a)anthracene	14.03	228	197618	7.822	ng	98
82) Chrysene	14.07	228	211171m	8.292	ng	
85) Indeno(1,2,3-cd)pyrene	17.00	276	82622	3.912	ng	97
87) Benzo(b)fluoranthene	15.09	252	245051m	10.107	ng	
88) Benzo(k)fluoranthene	15.11	252	77911m	3.363	ng	
89) Benzo(a)pyrene	15.46	252	160459	7.353	ng	98
91) Benzo(a,h,i)perylene	17.46	276	72898	4.205	ng	# 89

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

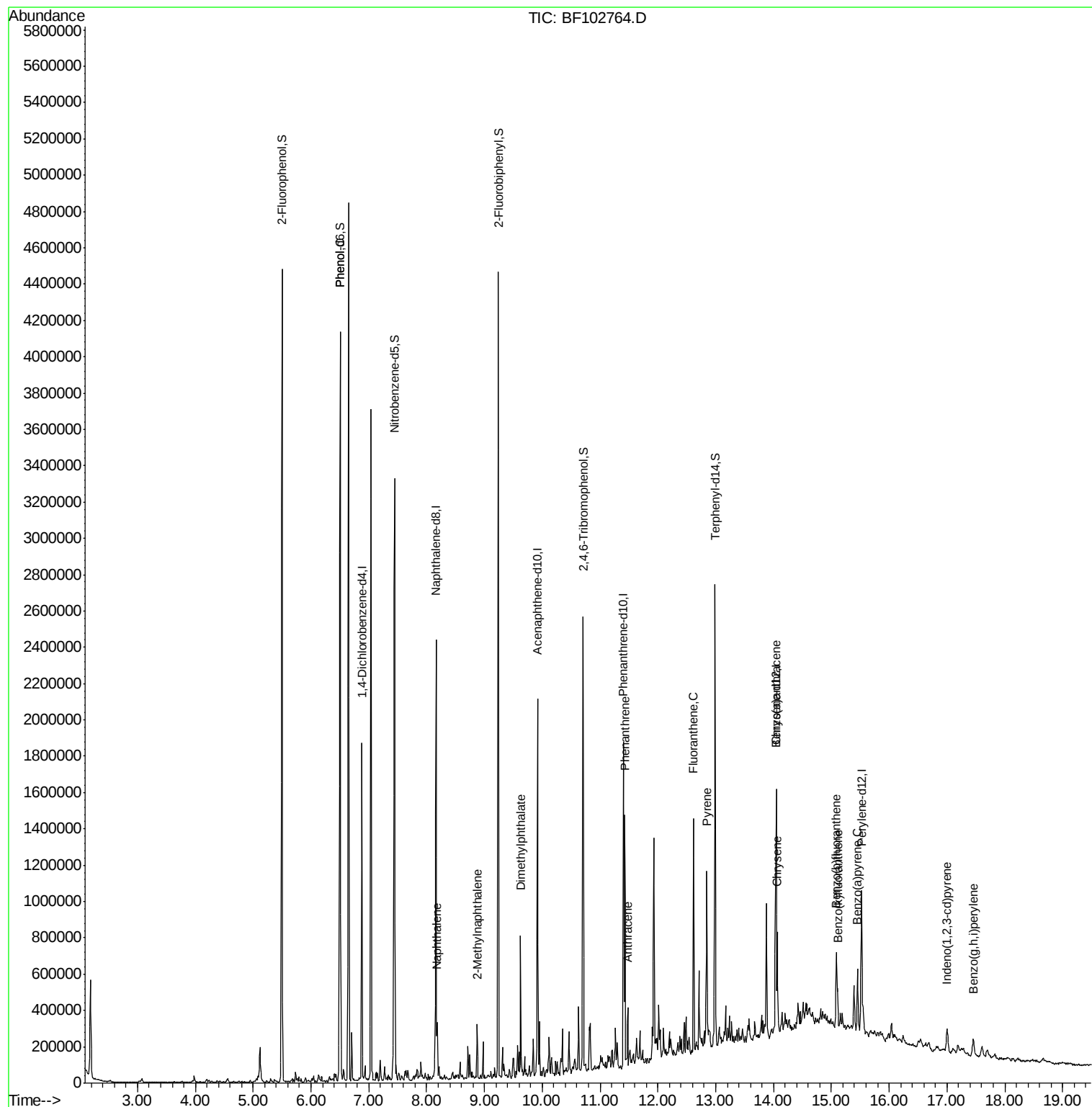
Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
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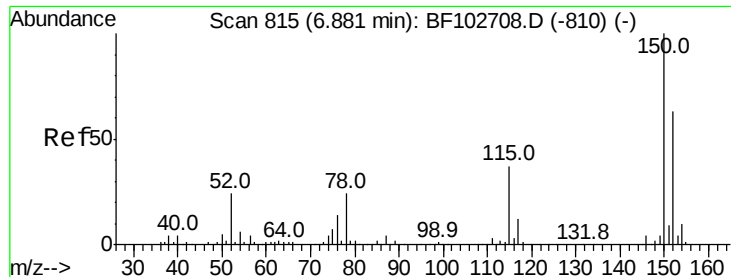
Instrument :
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8-SAN-5-EW(0-4)

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#1

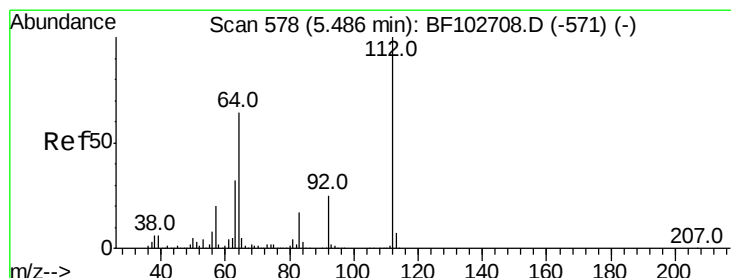
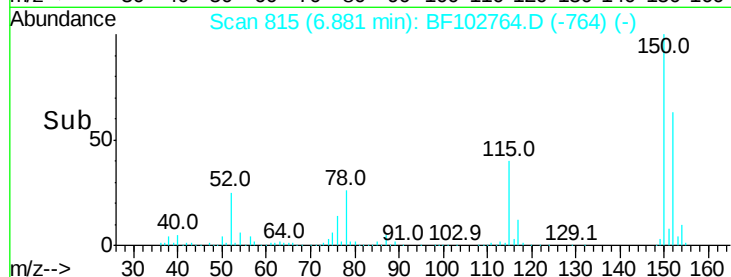
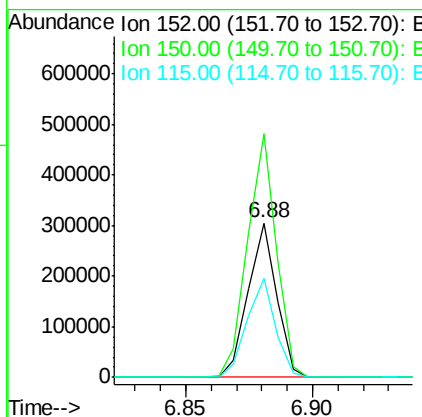
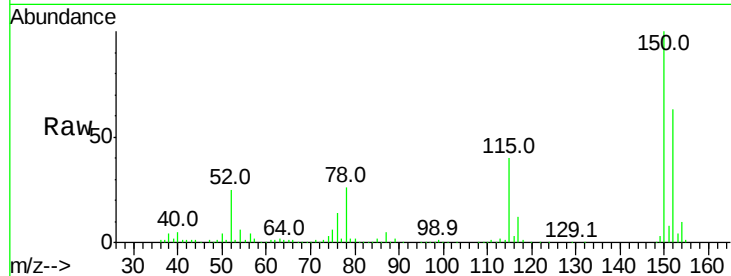
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102764.D
Acq: 6 Feb 2018 3:57

Instrument :
BNA_F
ClientSampleId :
8-SAN-5-EW(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	63.9	50.1	75.1

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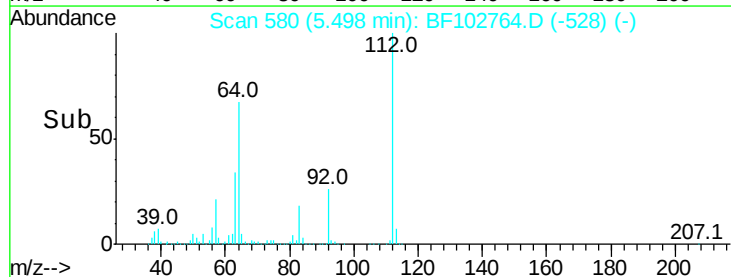
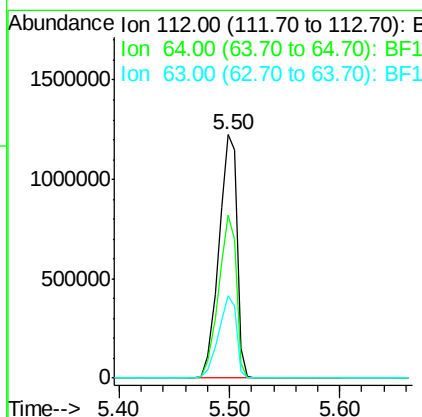
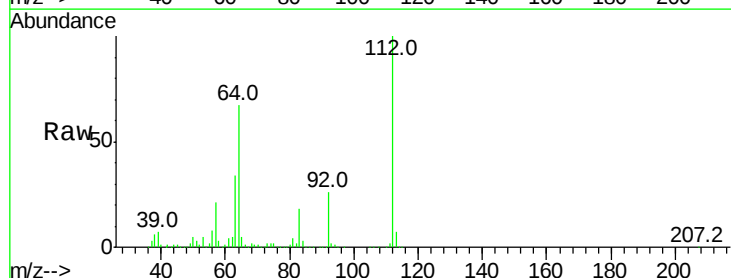
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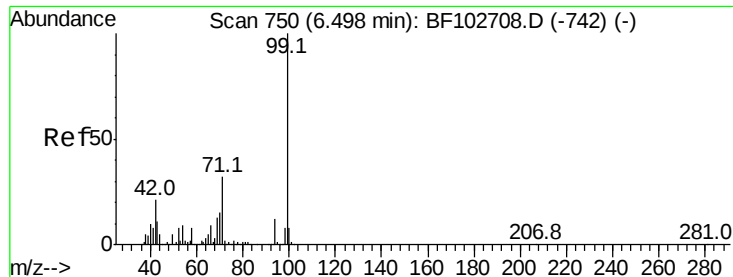


#5

2-Fluorophenol
Concen: 88.564 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102764.D
Acq: 6 Feb 2018 3:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	47.9	71.9
63	33.6	23.7	35.5





#7

Phenol-d6

Concen: 88.806 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102764.D

Acq: 6 Feb 2018 3:57

Instrument :

BNA_F

ClientSampleId :

8-SAN-5-EW(0-4)

Tot Ion: 99 Resp: 1682707

Ion Ratio Lower Upper

99 100

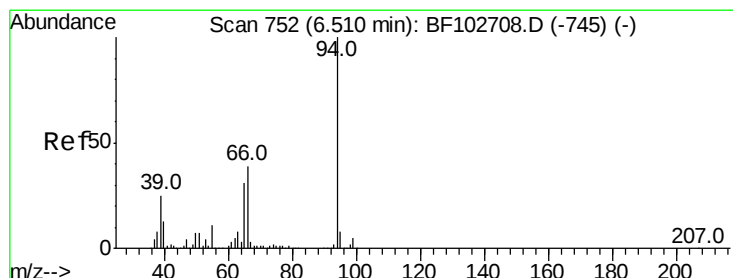
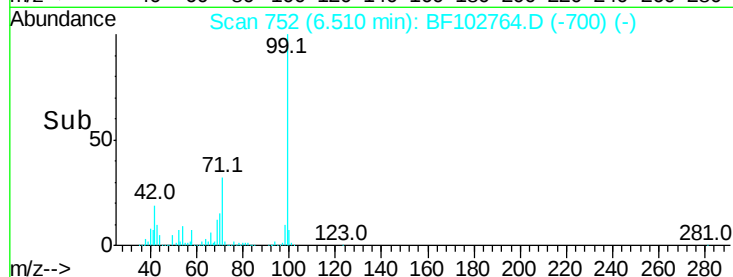
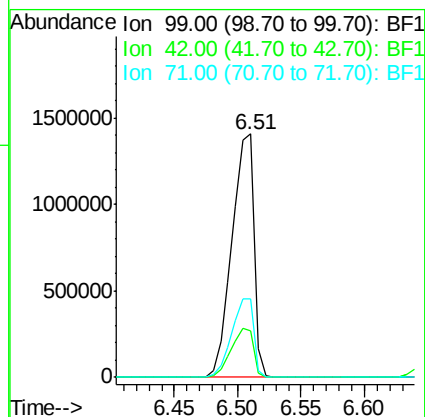
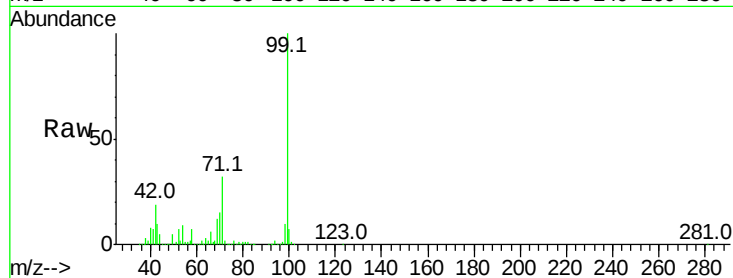
42 19.0 14.5 21.7

71 32.2 25.4 38.0

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#10

Phenol

Concen: 4.335 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF102764.D

Acq: 6 Feb 2018 3:57

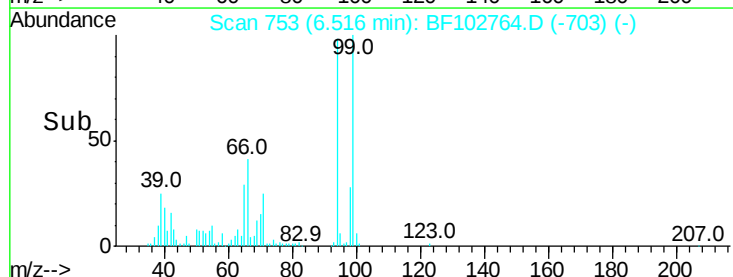
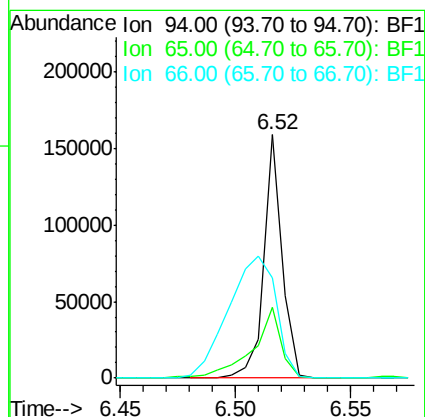
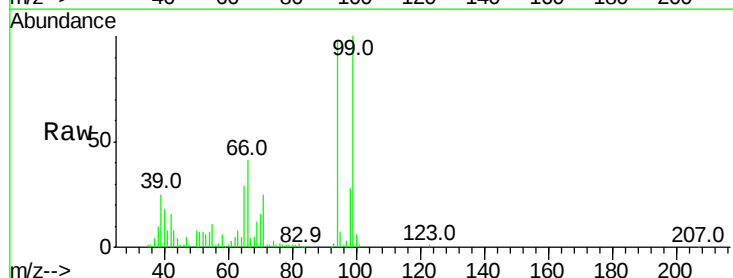
Tgt Ion: 94 Resp: 88021

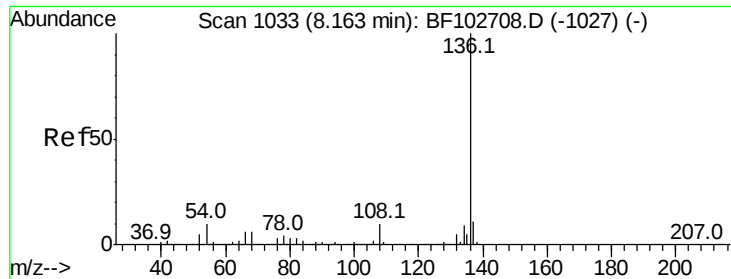
Ion Ratio Lower Upper

94 100

65 29.3 7.9 47.9

66 41.4 16.2 56.2





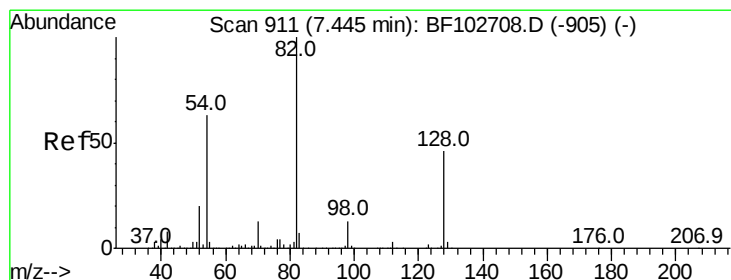
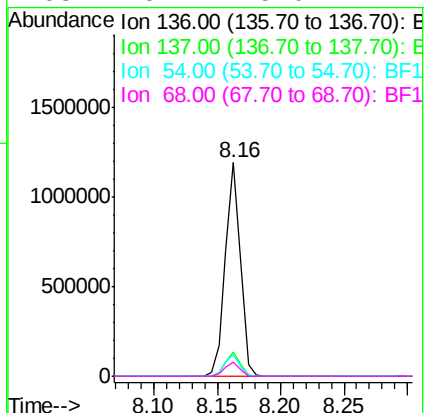
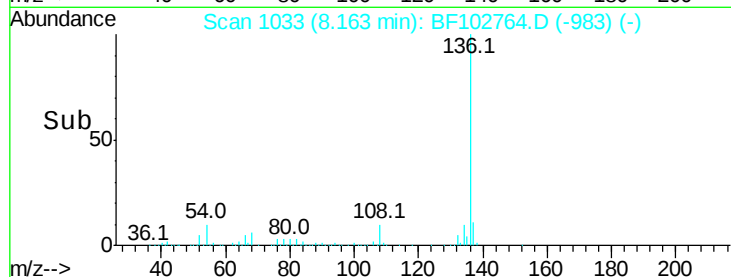
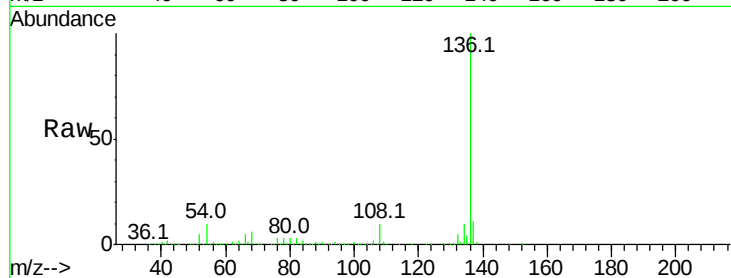
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102764.D
Acq: 6 Feb 2018 3:57

Instrument :
BNA_F
ClientSampleId :
8-SAN-5-EW(0-4)

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.2	8.9	13.3
54	10.0	6.6	9.8
68	6.4	5.0	7.4

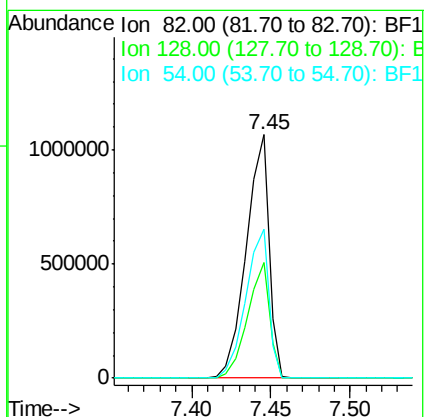
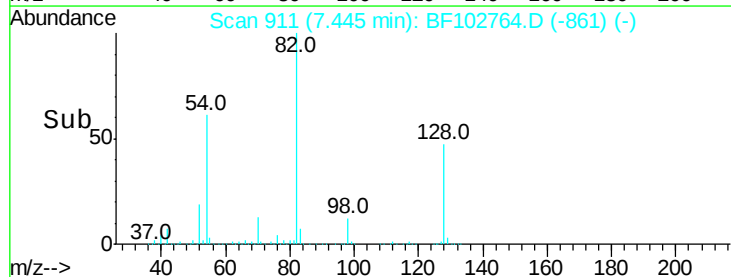
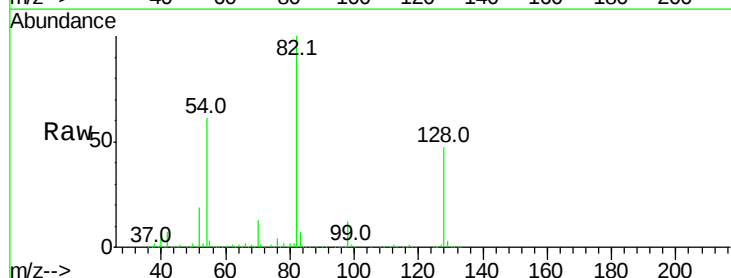
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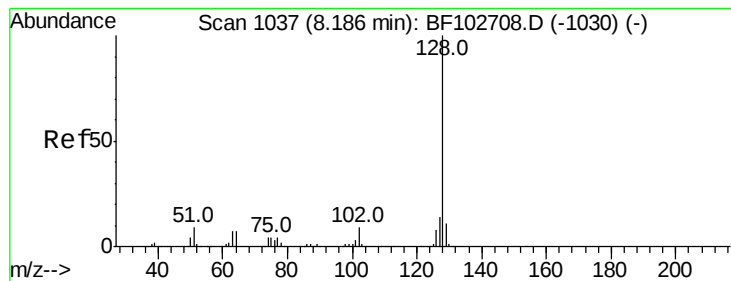
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#23
Nitrobenzene-d5
Concen: 74.328 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102764.D
Acq: 6 Feb 2018 3:57

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	47.2	36.1	54.1
54	61.1	41.4	62.2





#31

Naphthalene

Concen: 2.782 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF102764.D

Acq: 6 Feb 2018 3:57

Instrument :

BNA_F

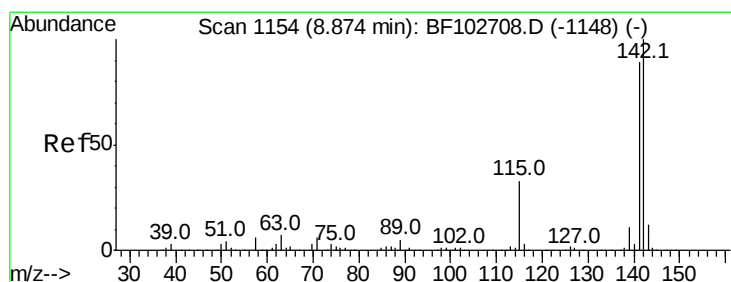
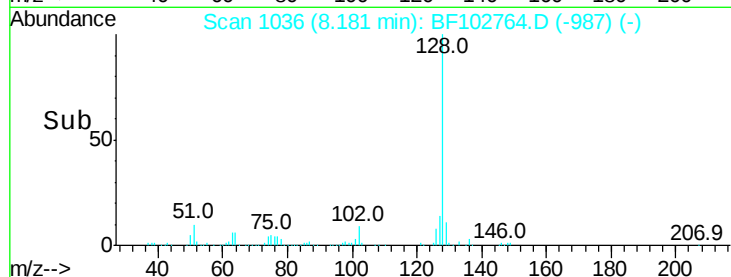
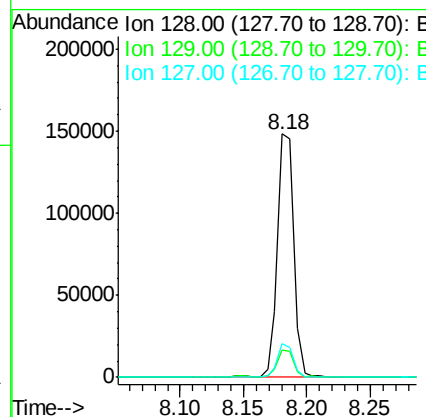
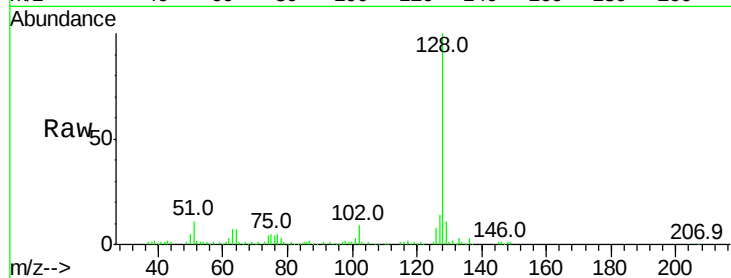
ClientSampleId :

8-SAN-5-EW(0-4)

Tot Ion:128	Resp:	133962
Ion Ratio	Lower	Upper
128 100		
129 11.4	8.8	13.2
127 13.8	10.9	16.3

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#37

2-Methylnaphthalene

Concen: 2.307 ng

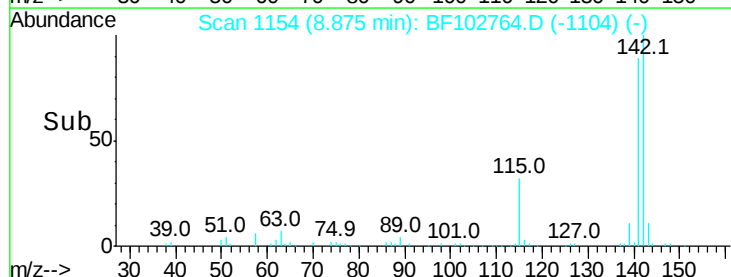
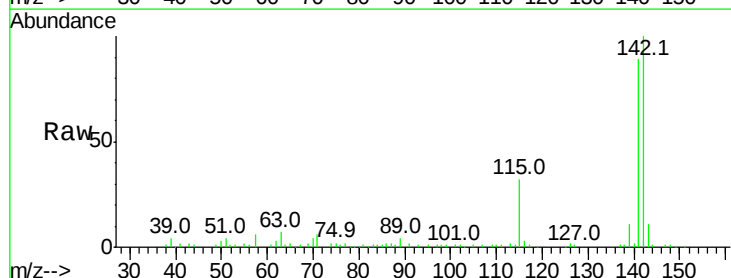
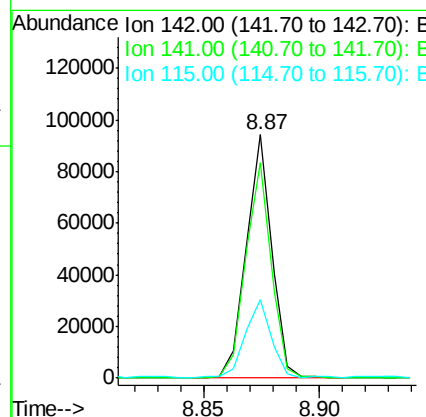
RT: 8.87 min Scan# 1154

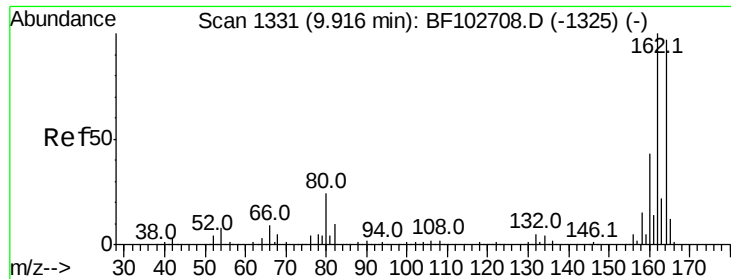
Delta R.T. -0.01 min

Lab File: BF102764.D

Acq: 6 Feb 2018 3:57

Tgt Ion:142	Resp:	72737
Ion Ratio	Lower	Upper
142 100		
141 88.5	70.8	106.2
115 32.3	26.1	39.1





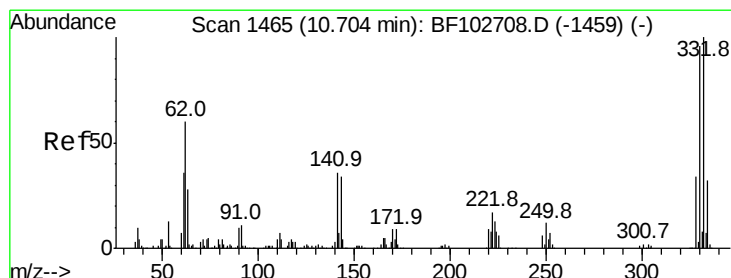
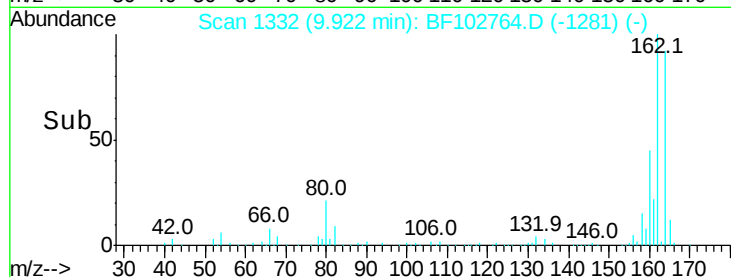
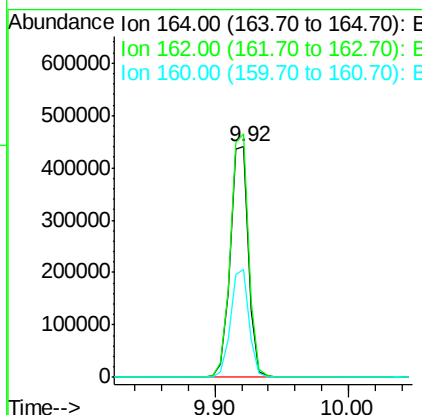
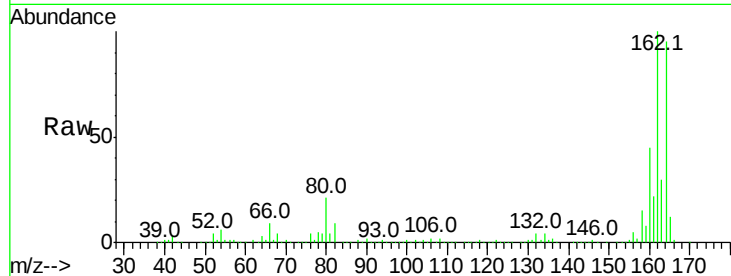
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF102764.D
Acq: 6 Feb 2018 3:57

Instrument :
BNA_F
ClientSampleId :
8-SAN-5-EW(0-4)

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.7	86.1	129.1
160	47.1	38.3	57.5

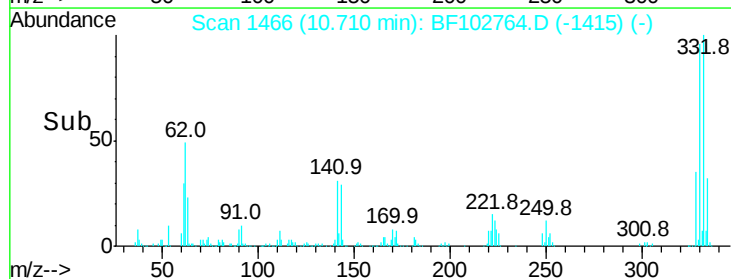
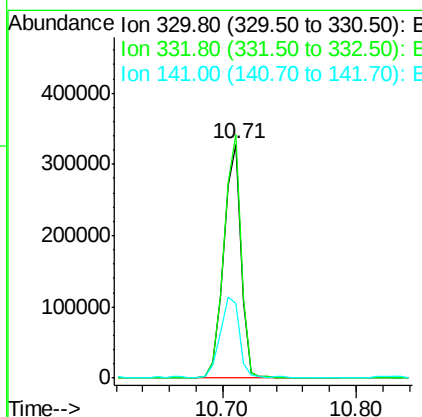
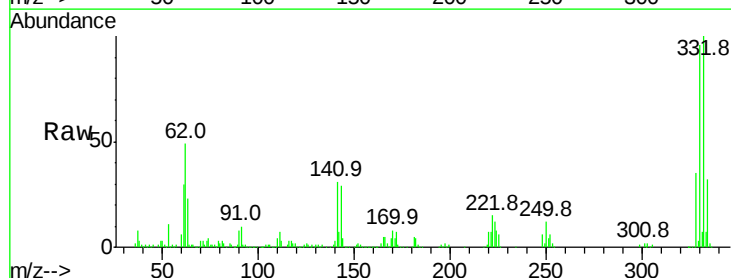
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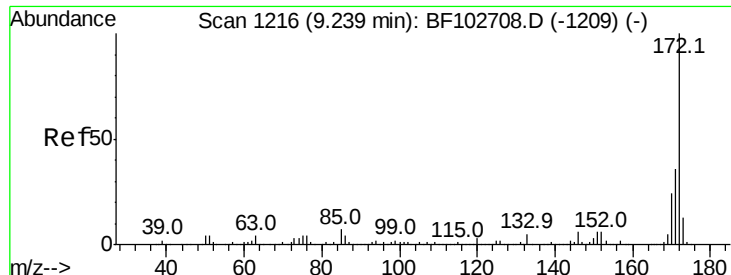
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#41
2,4,6-Tribromophenol
Concen: 88.598 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BF102764.D
Acq: 6 Feb 2018 3:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	103.1	77.0	115.6
141	38.3	29.9	44.9





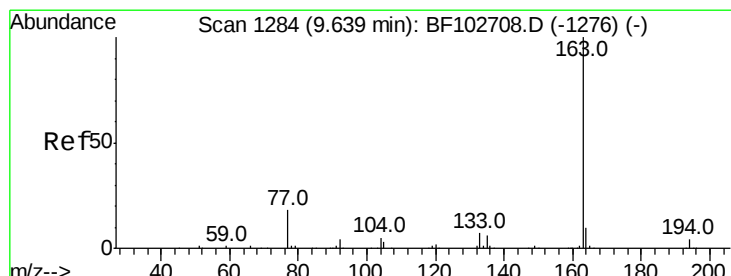
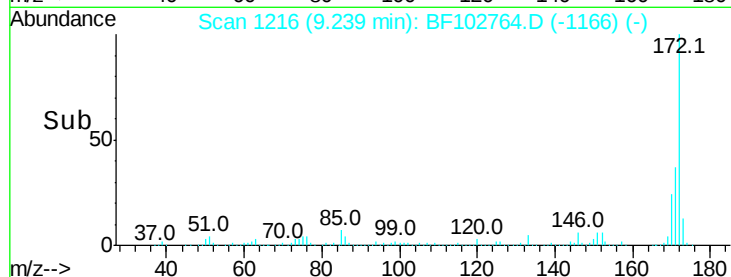
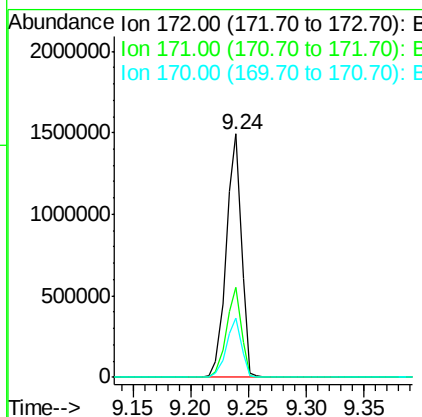
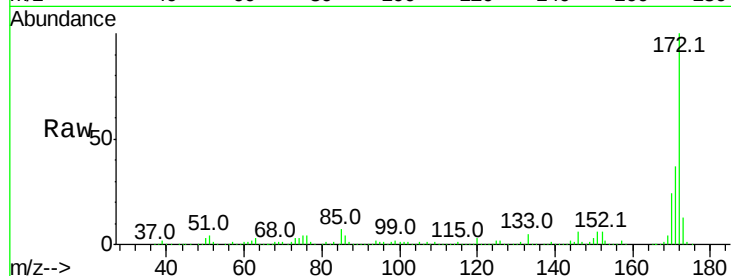
#44
2-Fluorobiphenyl
Concen: 53.111 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF102764.D
Acq: 6 Feb 2018 3:57

Instrument :
BNA_F
ClientSampleId :
8-SAN-5-EW(0-4)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.3	19.6	29.4

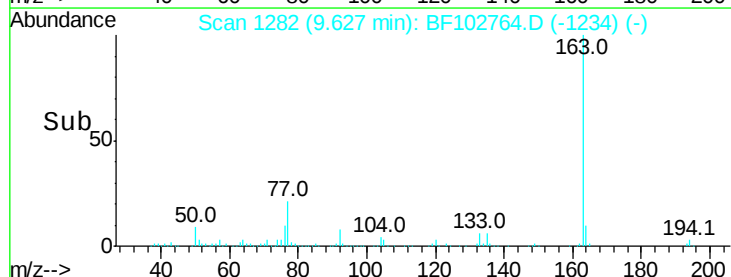
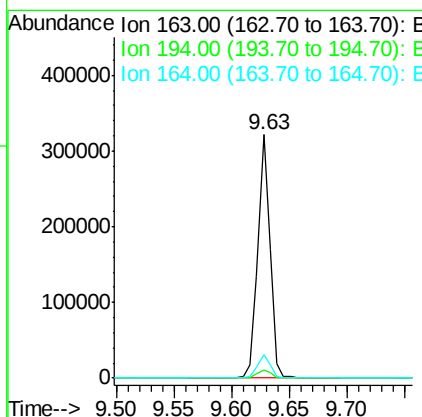
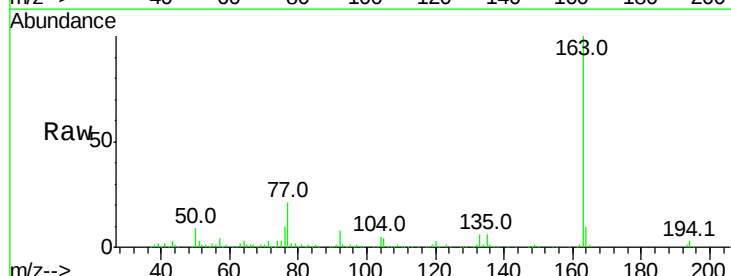
Manual Integrations
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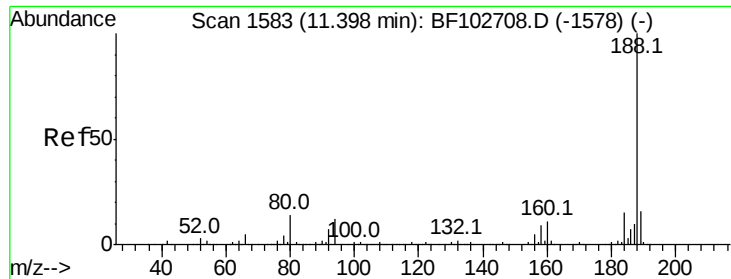
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#49
Dimethylphthalate
Concen: 7.196 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF102764.D
Acq: 6 Feb 2018 3:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.5	8.2	12.2





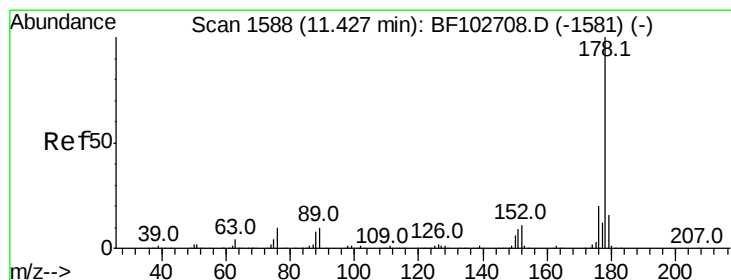
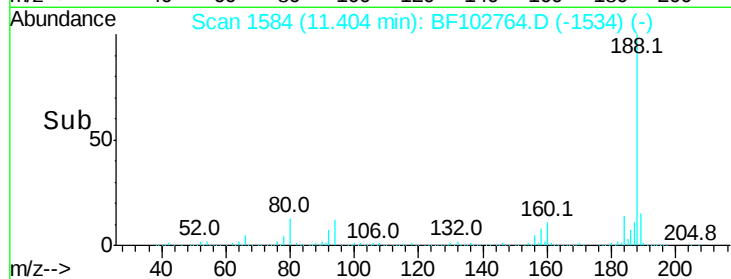
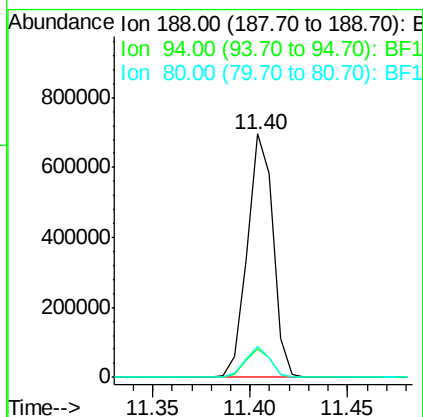
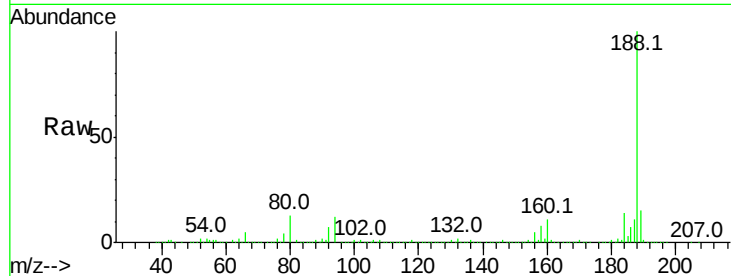
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF102764.D
Acq: 6 Feb 2018 3:57

Instrument :
BNA_F
ClientSampleId :
8-SAN-5-EW(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	636657		
94	11.8		8.5	12.7
80	13.0		9.2	13.8

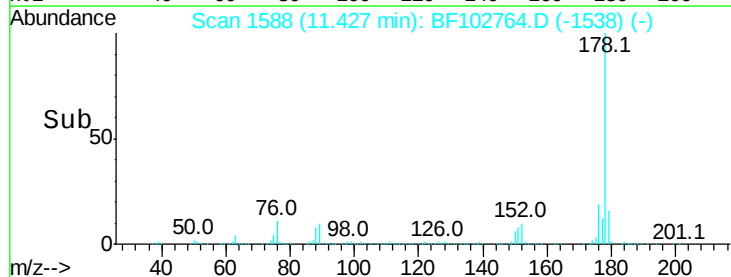
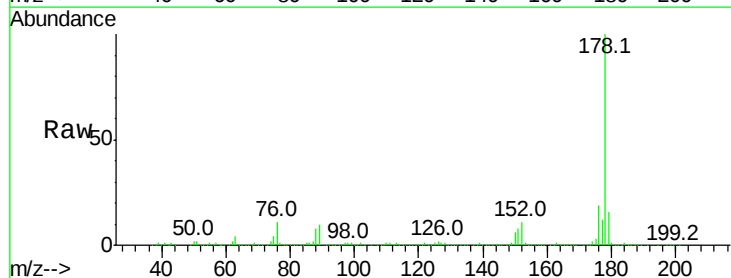
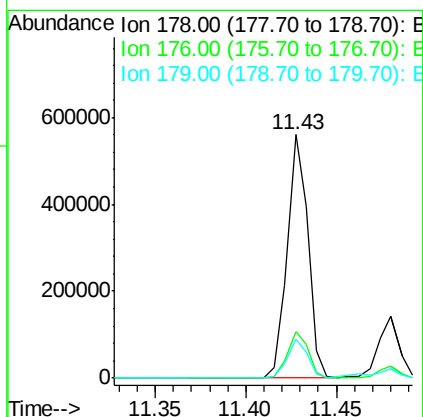
Manual Integrations
APPROVED

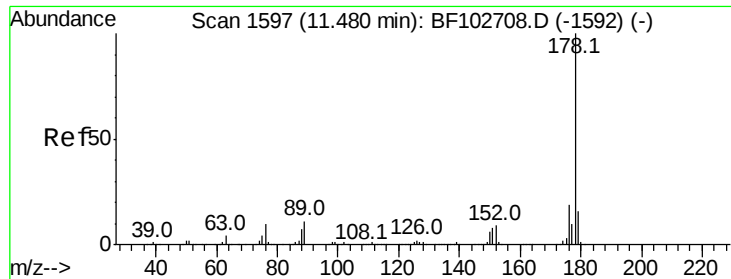
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#70
Phenanthrene
Concen: 12.609 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF102764.D
Acq: 6 Feb 2018 3:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	447095		
176	19.2		15.8	23.8
179	16.0		13.0	19.6





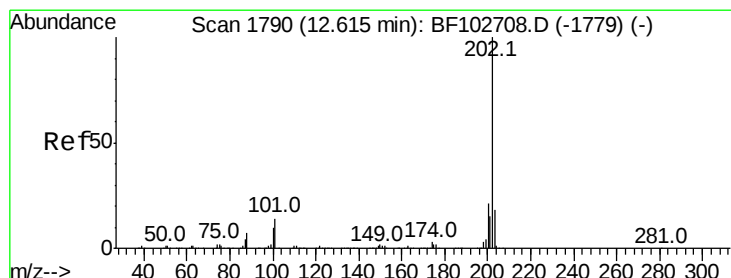
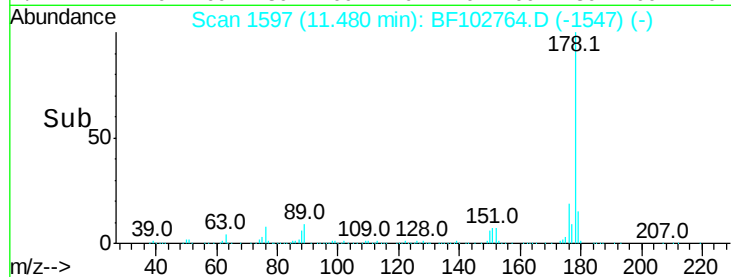
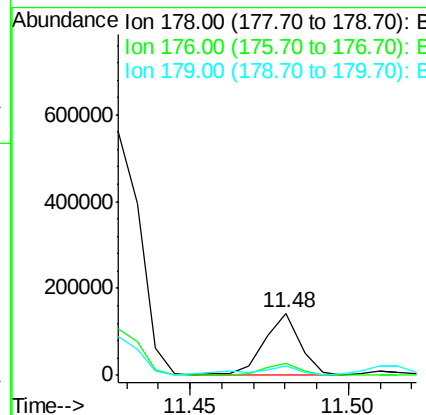
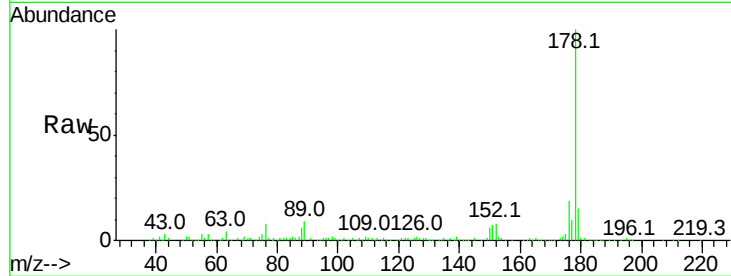
#71
 Anthracene
 Concen: 3.047 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF102764.D
 Acq: 6 Feb 2018 3:57

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-5-EW(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.3	12.6	19.0

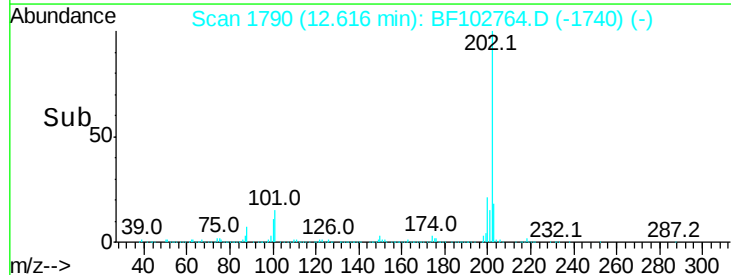
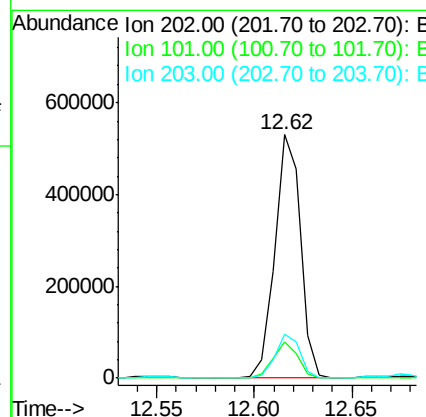
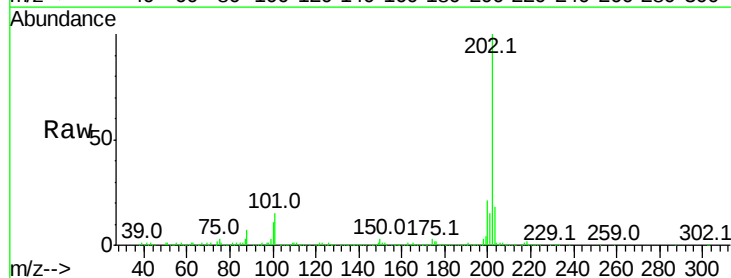
Manual Integrations
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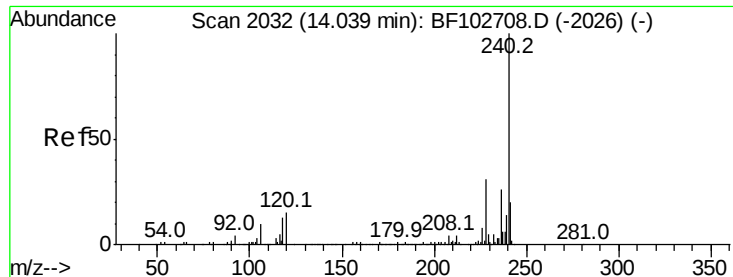
Sohil
 2/6/2018 2:26:17 PM



#74
 Fluoranthene
 Concen: 13.456 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: BF102764.D
 Acq: 6 Feb 2018 3:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.1	0.0	34.1
203	17.9	0.0	38.1





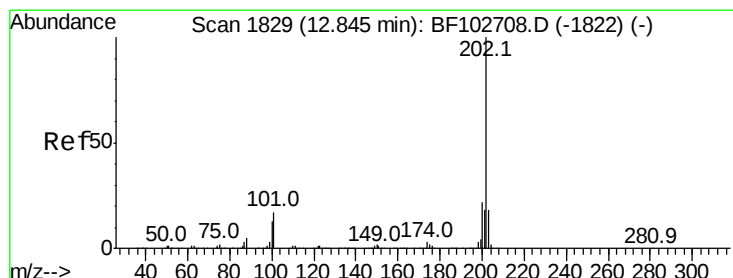
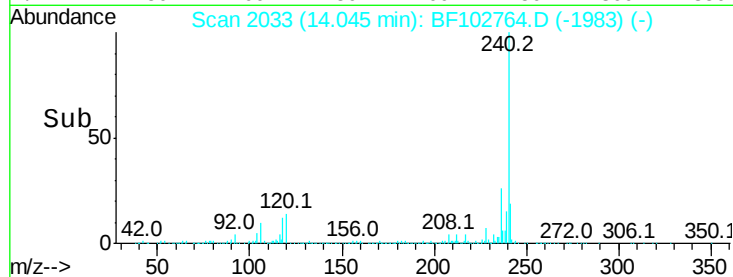
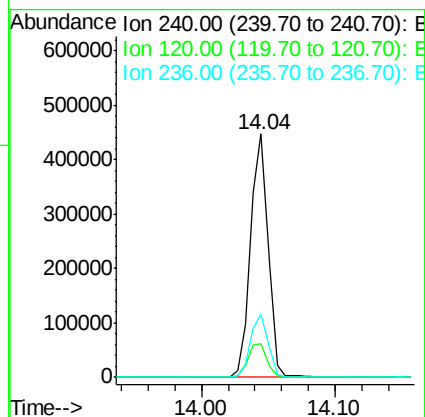
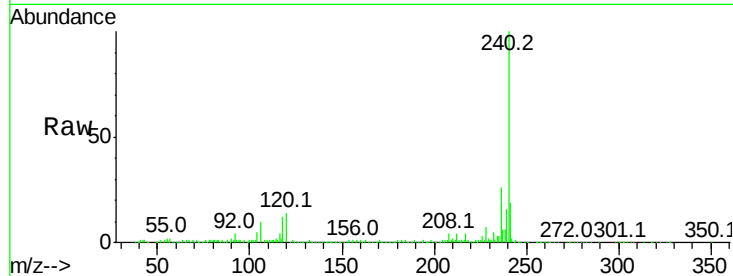
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF102764.D
Acq: 6 Feb 2018 3:57

Instrument :
BNA_F
ClientSampleId :
8-SAN-5-EW(0-4)

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.9	9.5	14.3
236	26.0	20.7	31.1

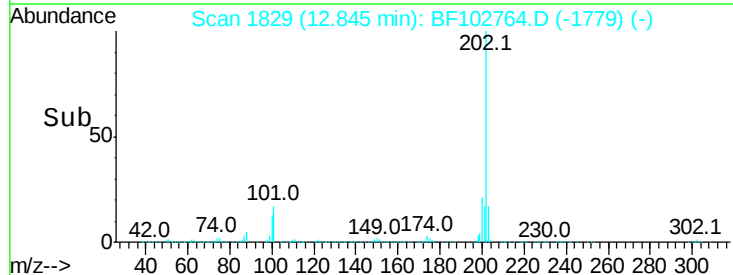
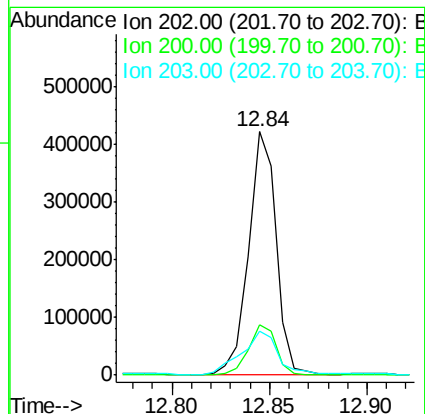
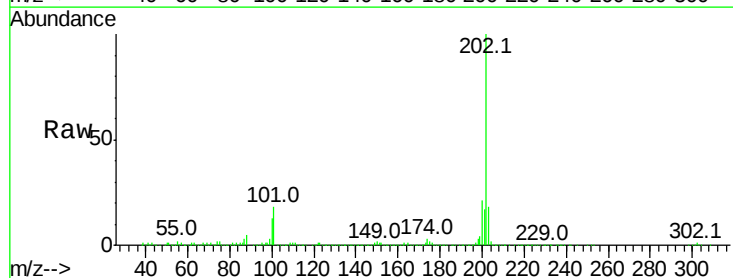
Manual Integrations
APPROVED

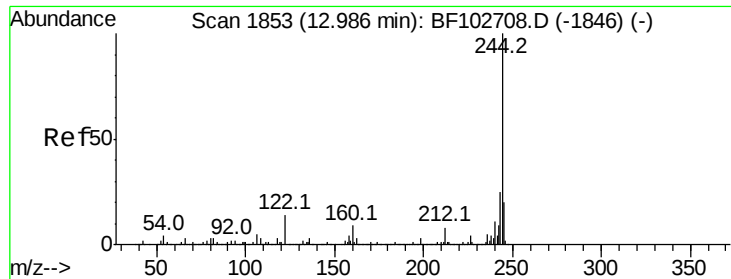
Sohil
2/6/2018 2:26:17 PM



#77
Pyrene
Concen: 13.051 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF102764.D
Acq: 6 Feb 2018 3:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.9	14.3	21.5





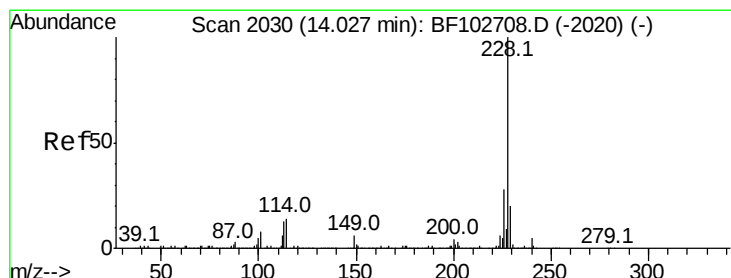
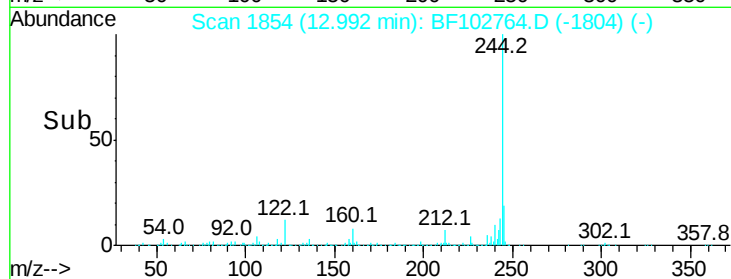
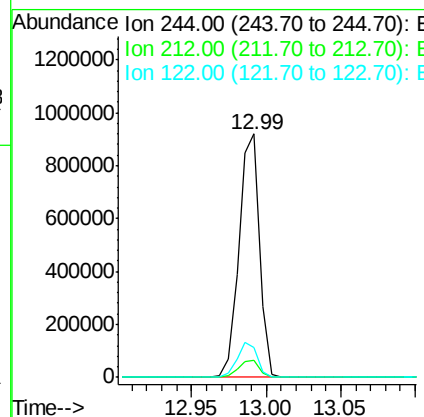
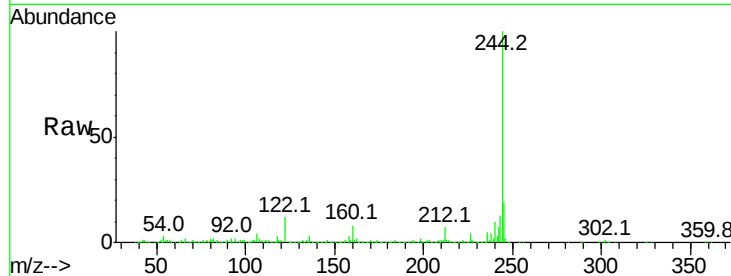
#78
 Terphenyl-d14
 Concen: 52.524 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF102764.D
 Acq: 6 Feb 2018 3:57

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-5-EW(0-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.4	11.0	16.4

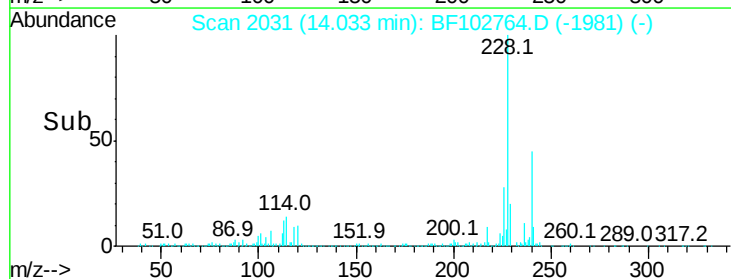
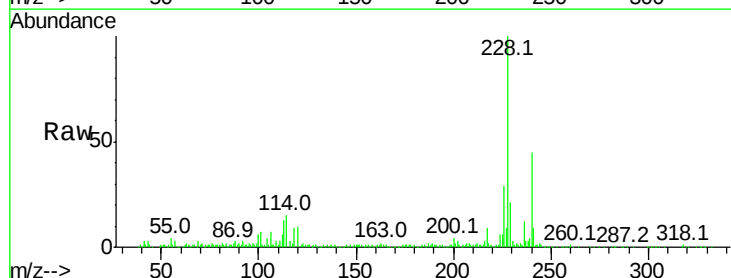
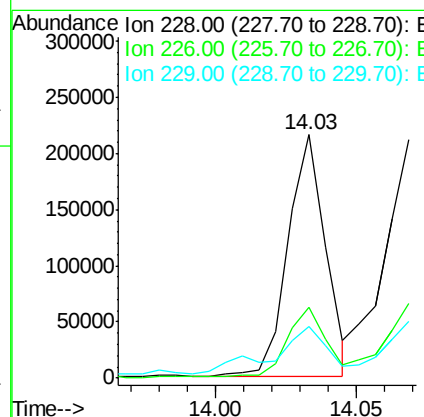
Manual Integrations
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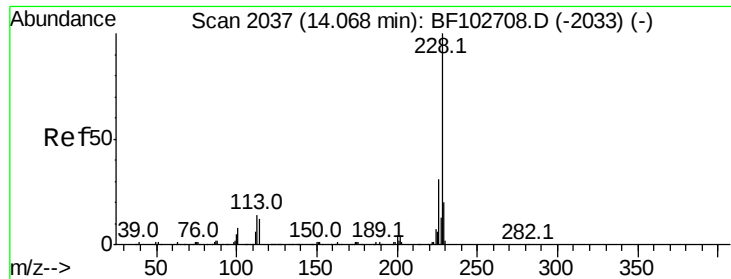
Sohil
 2/6/2018 2:26:17 PM



#80
 Benzo(a)anthracene
 Concen: 7.822 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF102764.D
 Acq: 6 Feb 2018 3:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	21.4	15.8	23.6





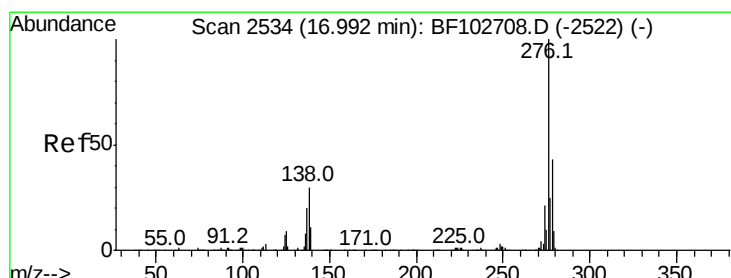
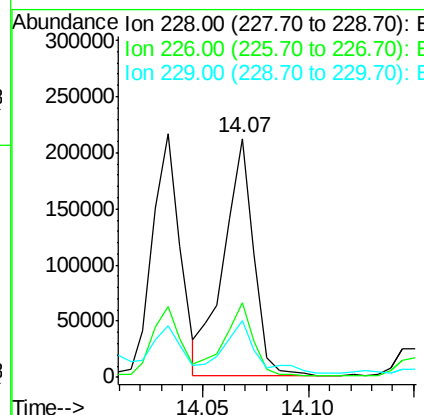
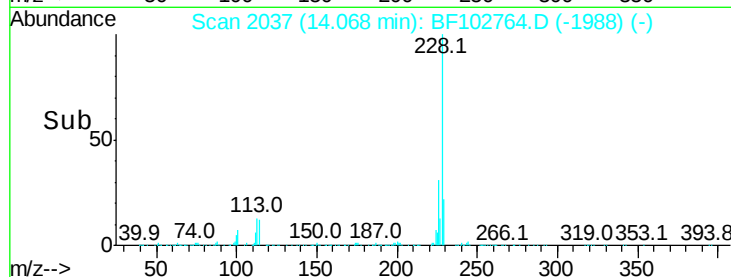
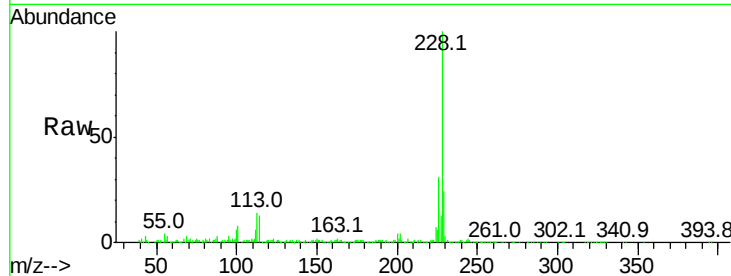
#82
Chrysene
Concen: 8.292 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF102764.D
Acq: 6 Feb 2018 3:57

Instrument :
BNA_F
ClientSampleId :
8-SAN-5-EW(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	23.6	16.2	24.4

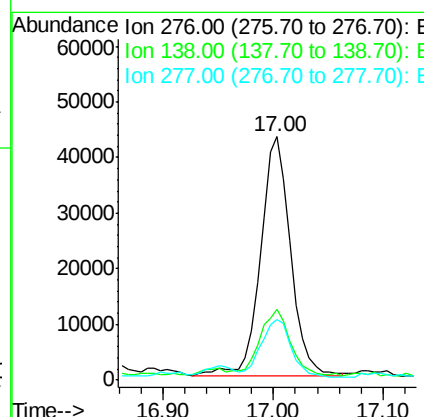
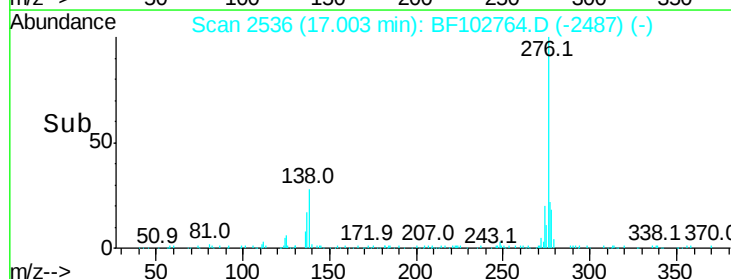
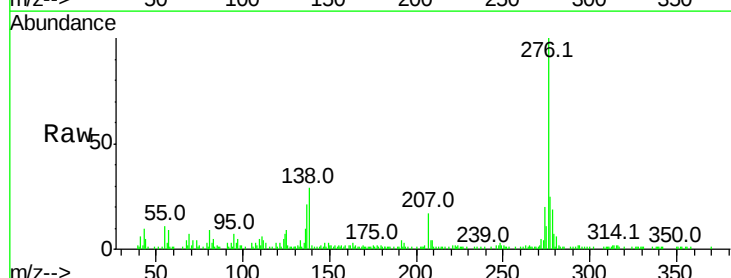
Manual Integrations
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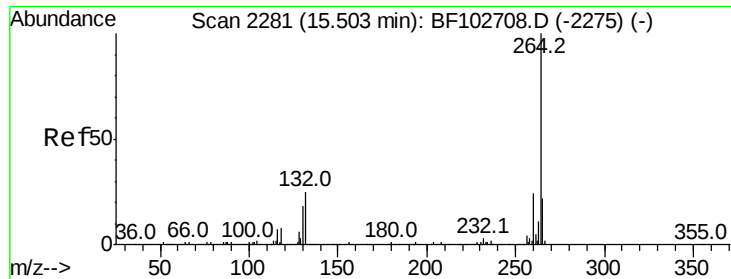
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.912 ng
RT: 17.00 min Scan# 2536
Delta R.T. -0.01 min
Lab File: BF102764.D
Acq: 6 Feb 2018 3:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.1	25.0	37.6
277	24.8	20.1	30.1





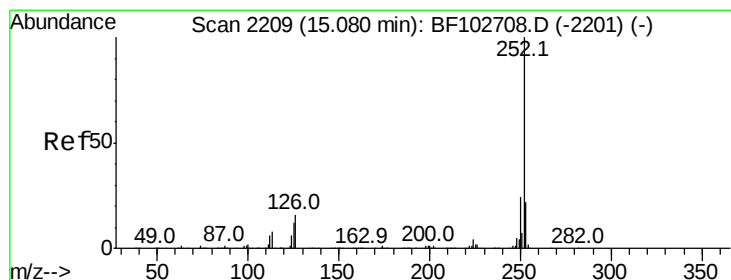
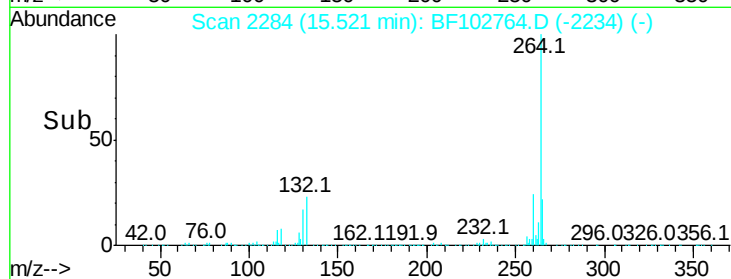
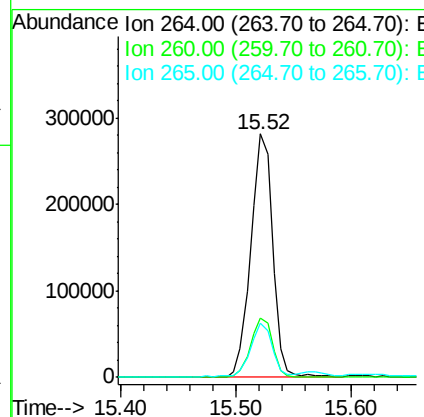
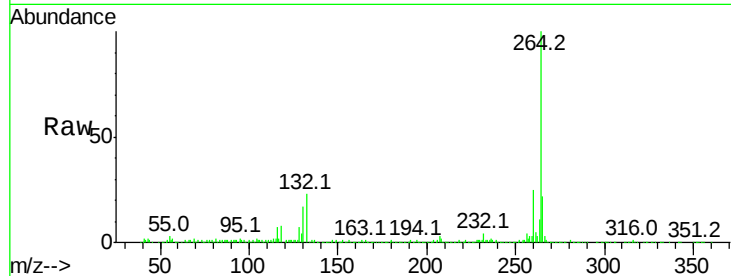
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF102764.D
Acq: 6 Feb 2018 3:57

Instrument :
BNA_F
ClientSampleId :
8-SAN-5-EW(0-4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.5	17.5	26.3

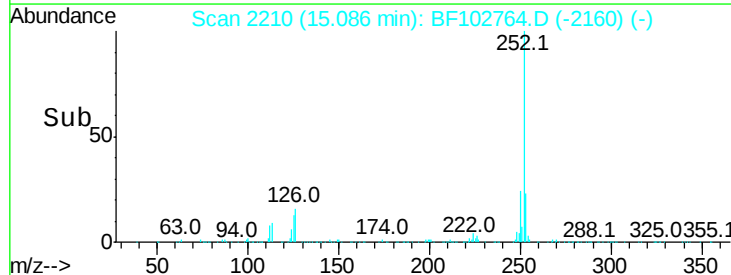
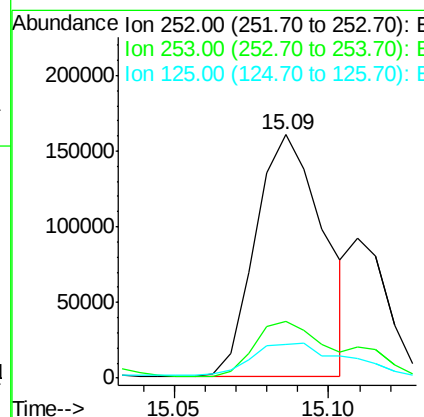
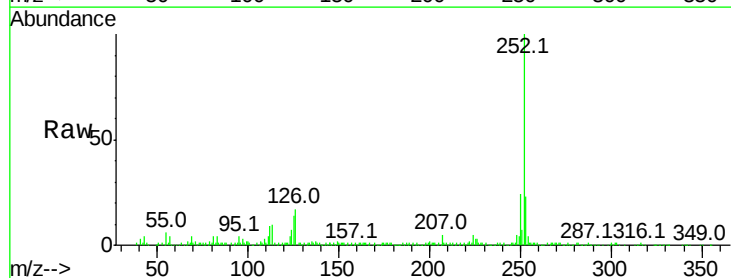
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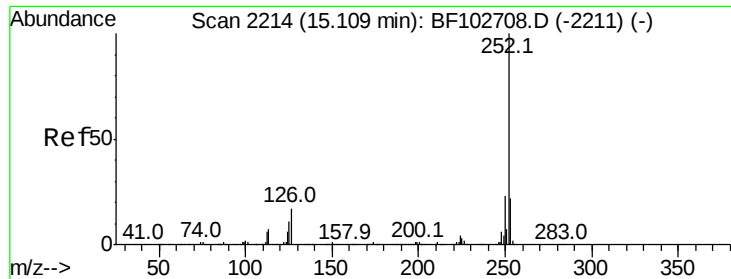
Sohil
2/6/2018 2:26:17 PM



#87
Benzo(b)fluoranthene
Concen: 10.107 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF102764.D
Acq: 6 Feb 2018 3:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	13.9	9.0	13.6





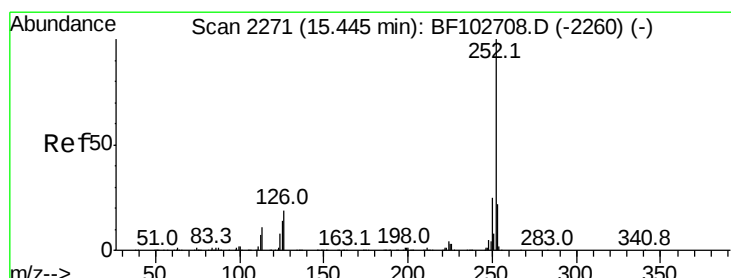
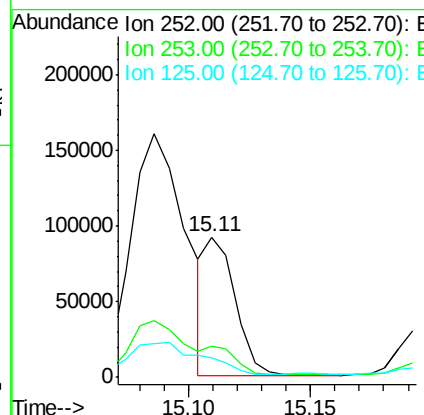
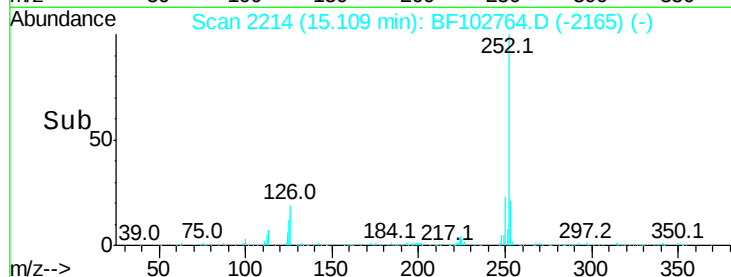
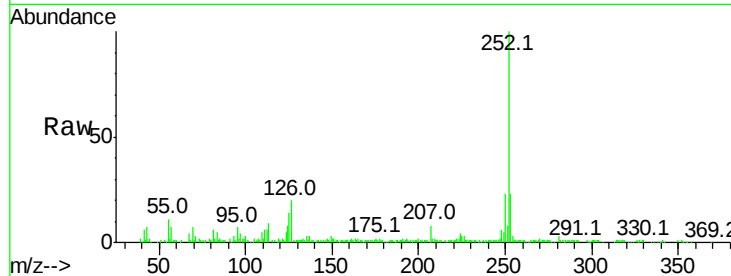
#88
Benzo(k)fluoranthene
Concen: 3.363 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF102764.D
Acq: 6 Feb 2018 3:57

Instrument :
BNA_F
ClientSampleId :
8-SAN-5-EW(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	14.5	10.2	15.2

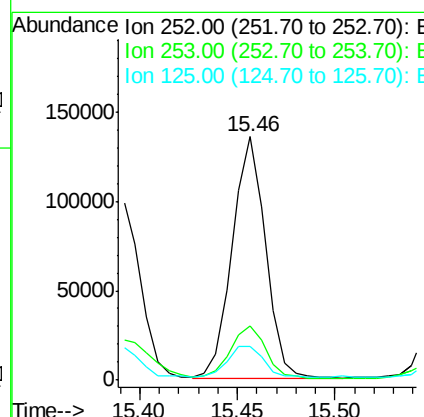
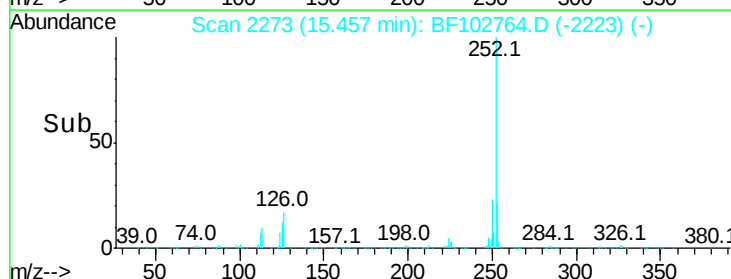
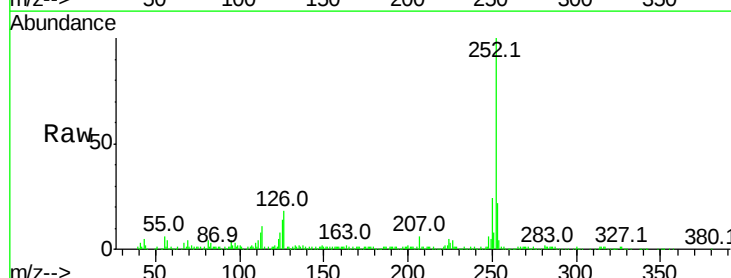
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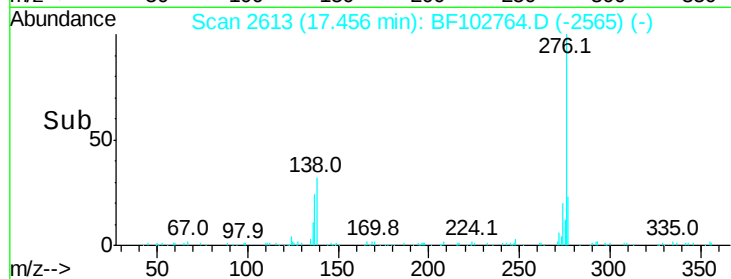
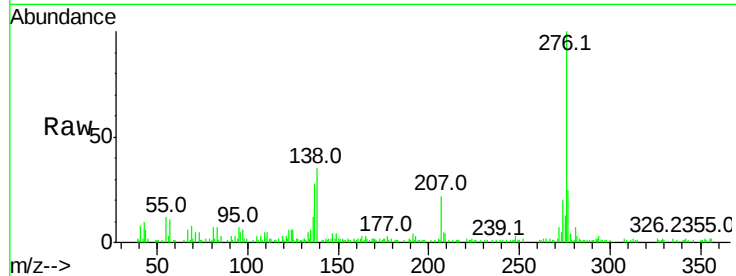
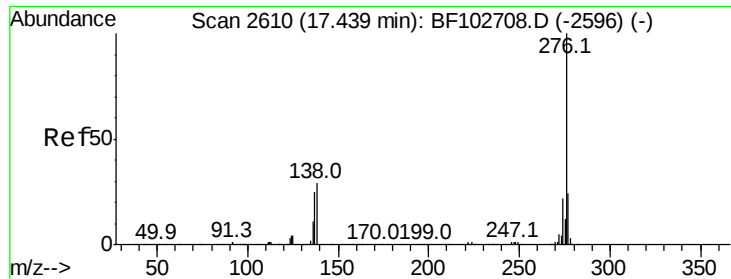
Sohil
2/6/2018 2:26:17 PM



#89
Benzo(a)pyrene
Concen: 7.353 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF102764.D
Acq: 6 Feb 2018 3:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	13.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.205 ng
 RT: 17.46 min Scan# 2613
 Delta R.T. -0.02 min
 Lab File: BF102764.D
 Acq: 6 Feb 2018 3:57

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-5-EW(0-4)

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	25.0	17.9	26.9
138	35.4	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 2/6/2018 2:26:17 PM

