

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102916.D
 Acq On : 12 Feb 2018 13:18
 Operator : SJ/JU
 Sample : J1526-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-1-2

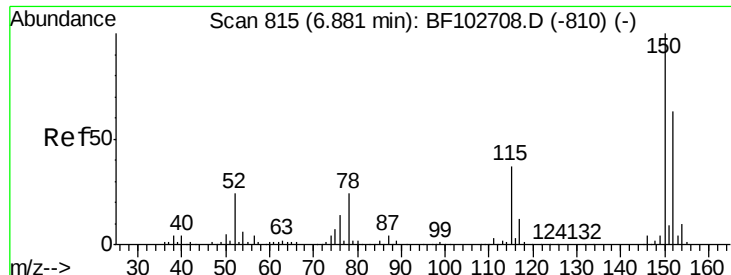
Manual Integrations
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Quant Time: Feb 12 14:31:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	162728	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	681558	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	290942	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	410749	20.00	ng	0.00
75) Chrysene-d12	14.07	240	255046	20.00	ng	0.02
86) Perylene-d12	15.56	264	327558	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1095107	102.20	ng	0.01
7) Phenol-d6	6.51	99	1303913	101.06	ng	0.00
23) Nitrobenzene-d5	7.45	82	847698	86.28	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	216087	92.28	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1230578	70.18	ng	0.00
78) Terphenyl-d14	13.00	244	819417	76.07	ng	0.00
Target Compounds						
48) Acenaphthylene	9.79	152	287466	9.594	ng	99
49) Dimethylphthalate	9.63	163	313100	13.802	ng	99
51) Acenaphthene	9.96	154	233022	13.004	ng	97
54) Dibenzofuran	10.13	168	250741	9.929	ng	95
57) Fluorene	10.47	166	637324	34.687	ng	99
70) Phenanthrene	11.46	178	3405585	148.871	ng	99
71) Anthracene	11.50	178	1785915	76.757	ng	99
72) Carbazole	11.65	167	126376	5.544	ng	# 93
74) Fluoranthene	12.65	202	3481564	151.267	ng	99
77) Pyrene	12.88	202	3311558	165.581	ng	98
80) Benzo(a)anthracene	14.06	228	2053555	128.027	ng	97
82) Chrysene	14.10	228	1760981	108.910	ng	97
85) Indeno(1,2,3-cd)pyrene	17.07	276	798394	59.536	ng	97
87) Benzo(b)fluoranthene	15.13	252	2362365m	111.239	ng	
88) Benzo(k)fluoranthene	15.15	252	651599m	32.112	ng	
89) Benzo(a)pyrene	15.51	252	1715793	89.758	ng	97
90) Dibenzo(a,h)anthracene	17.08	278	233833	15.071	ng	93
91) Benzo(g,h,i)perylene	17.53	276	725710	47.786	ng	97

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



#1

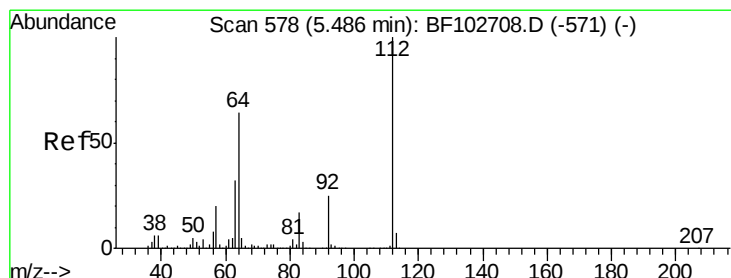
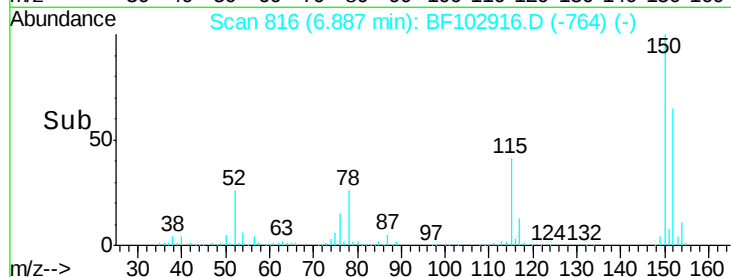
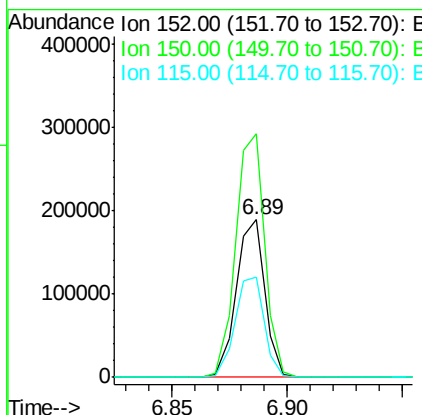
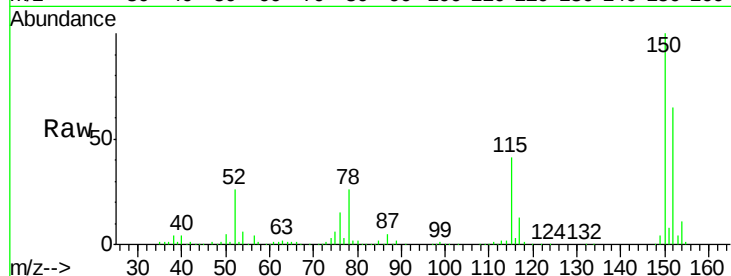
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102916.D
Acq: 12 Feb 2018 13:18

Instrument :
BNA_F
ClientSampled :
RO-1-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	63.4	50.1	75.1

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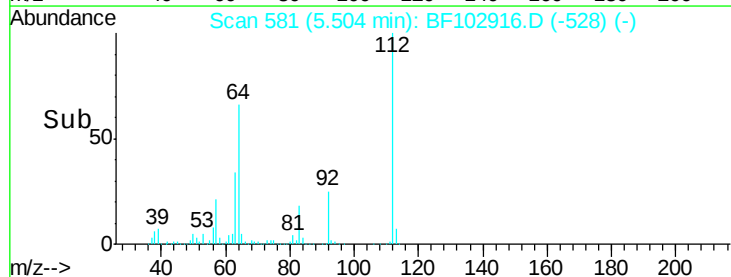
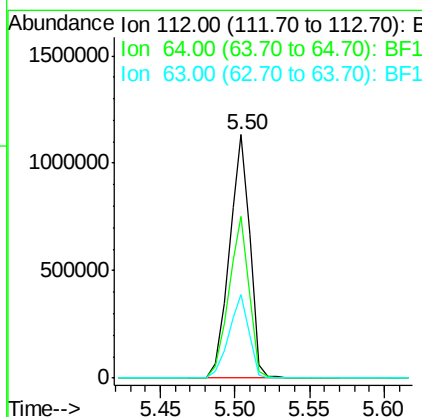
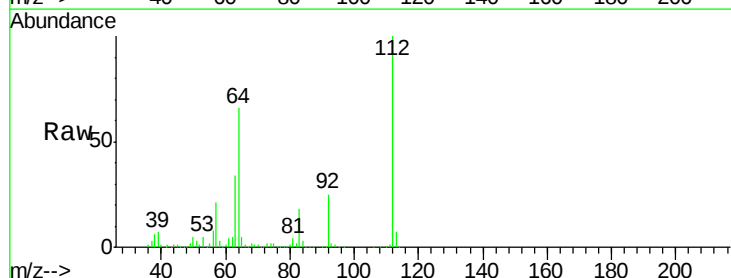
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#5

2-Fluorophenol
Concen: 102.201 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102916.D
Acq: 12 Feb 2018 13:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	47.9	71.9
63	34.5	23.7	35.5





#7

Phenol-d6

Concen: 101.064 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102916.D

Acq: 12 Feb 2018 13:18

Instrument :

BNA_F

ClientSampleId :

RO-1-2

Tot Ion: 99 Resp: 1303913

Ion Ratio Lower Upper

99 100

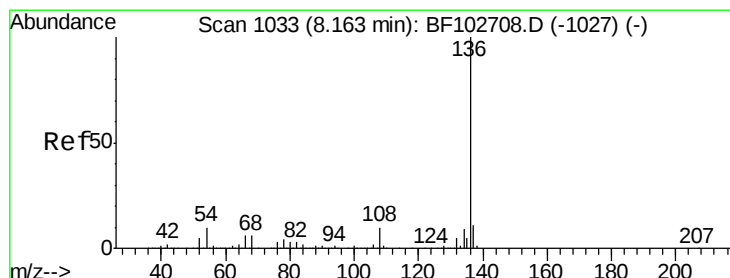
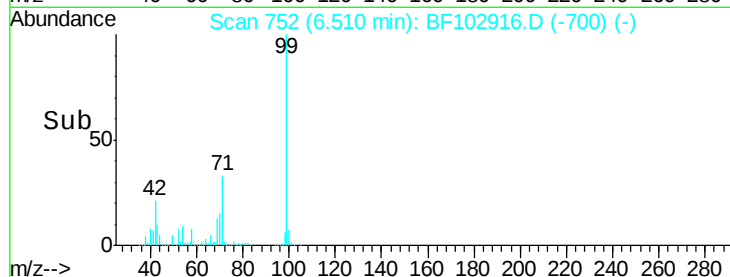
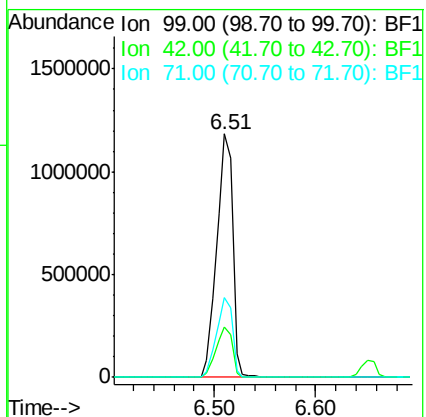
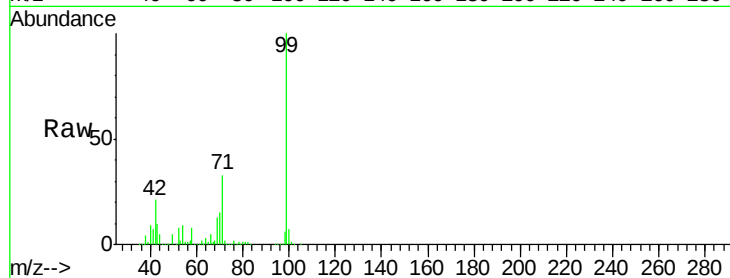
42 20.6 14.5 21.7

71 32.9 25.4 38.0

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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: BF102916.D

Acq: 12 Feb 2018 13:18

Tgt Ion: 136 Resp: 681558

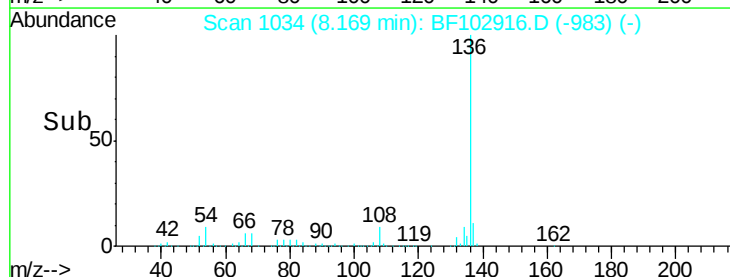
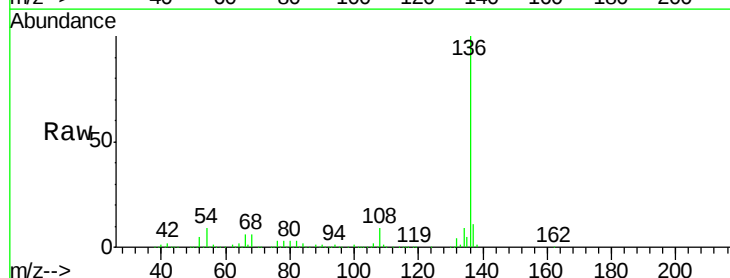
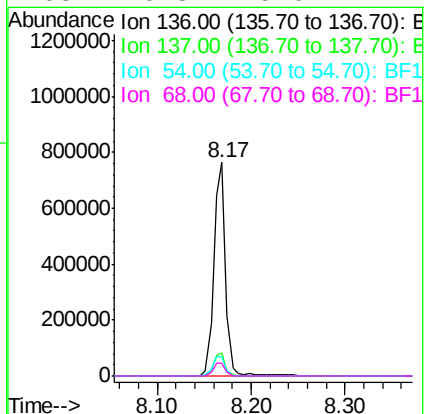
Ion Ratio Lower Upper

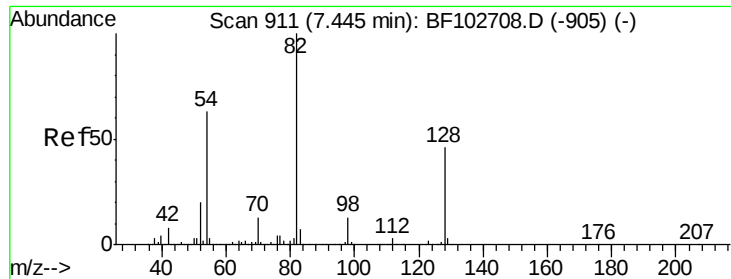
136 100

137 10.9 8.9 13.3

54 9.3 6.6 9.8

68 6.3 5.0 7.4





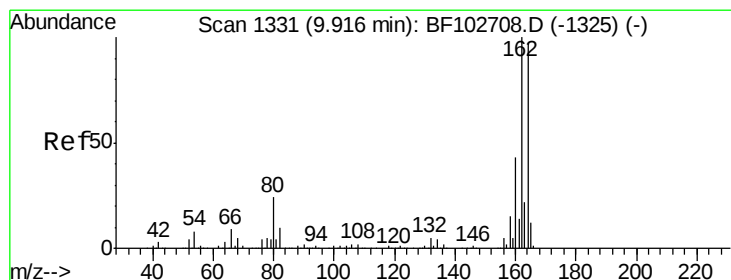
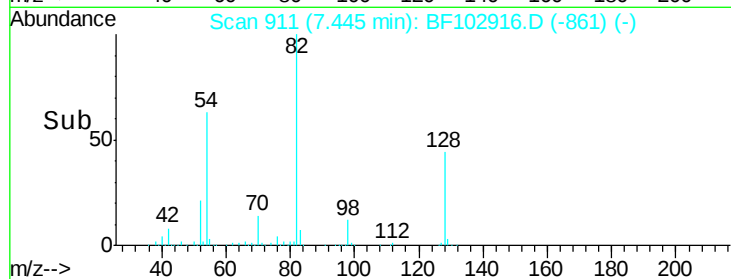
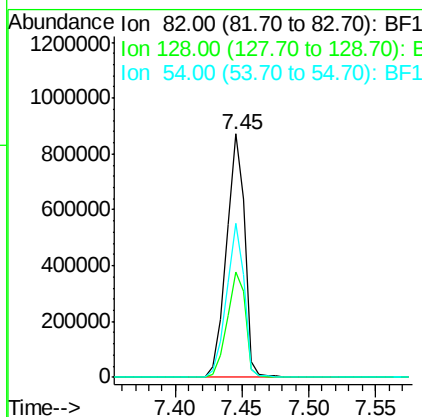
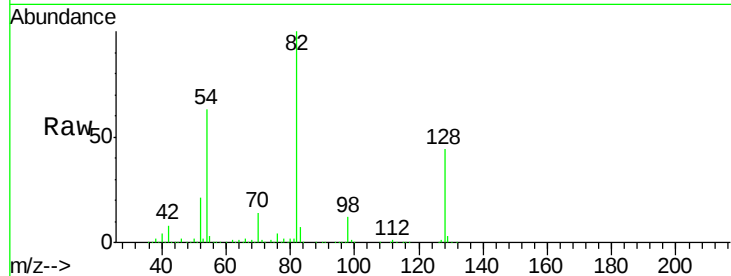
#23
Nitrobenzene-d5
Concen: 86.281 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102916.D
Acq: 12 Feb 2018 13:18

Instrument :
BNA_F
ClientSampled :
RO-1-2

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	43.5	36.1	54.1
54	63.4	41.4	62.2

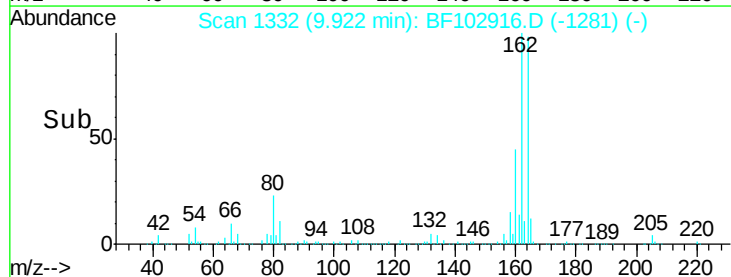
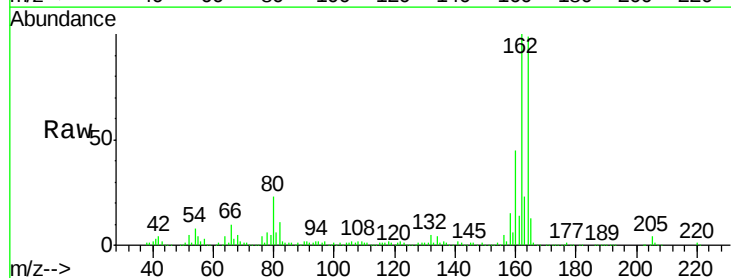
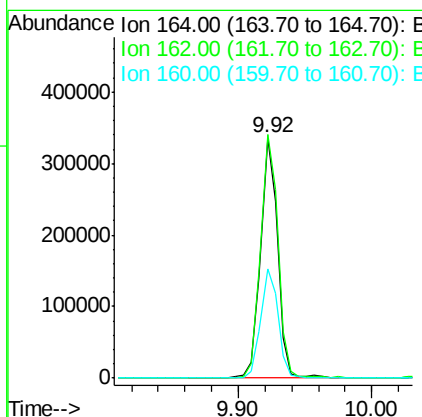
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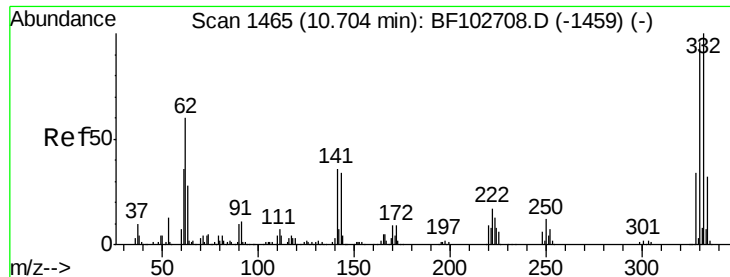
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF102916.D
Acq: 12 Feb 2018 13:18

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	101.3	86.1	129.1
160	45.7	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 92.276 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.01 min

Lab File: BF102916.D

Acq: 12 Feb 2018 13:18

Instrument :

BNA_F

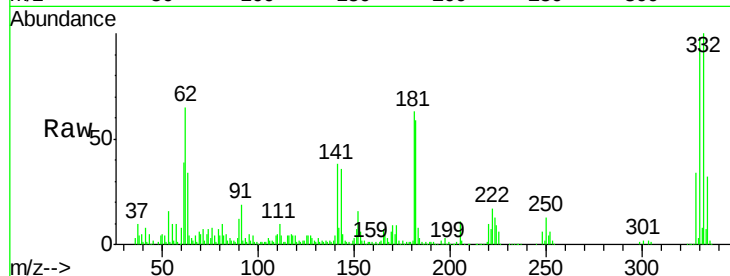
ClientSampled :

RO-1-2

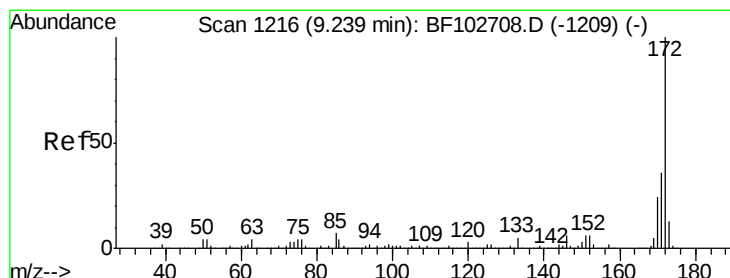
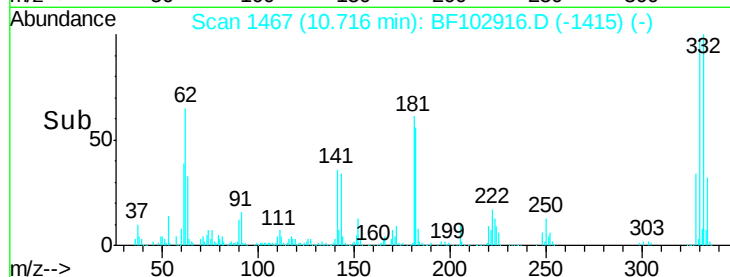
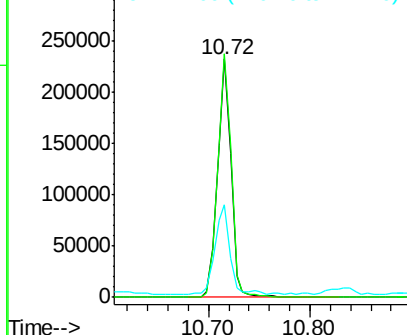
Tot Ion:	330	Resp:	216087
Ion Ratio	Lower	Upper	
330	100		
332	102.6	77.0	115.6
141	42.8	29.9	44.9

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



#44

2-Fluorobiphenyl

Concen: 70.185 ng

RT: 9.24 min Scan# 1216

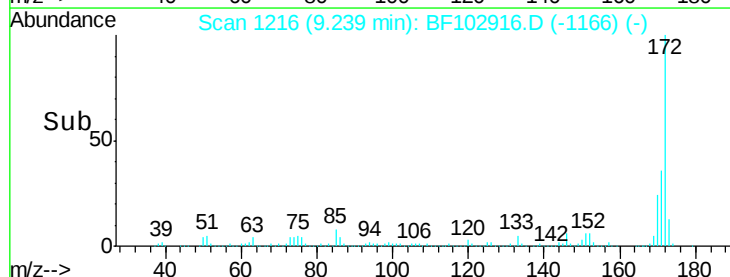
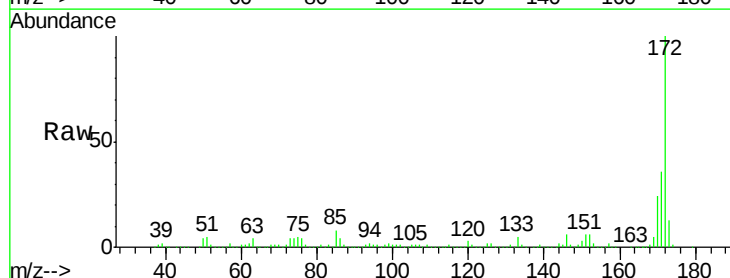
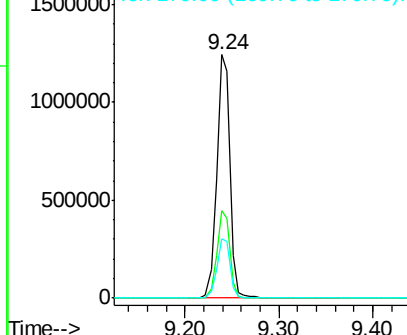
Delta R.T. -0.01 min

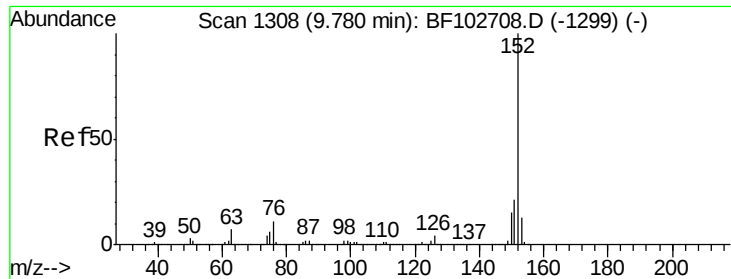
Lab File: BF102916.D

Acq: 12 Feb 2018 13:18

Tgt Ion:	172	Resp:	1230578
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.7	44.5
170	24.2	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





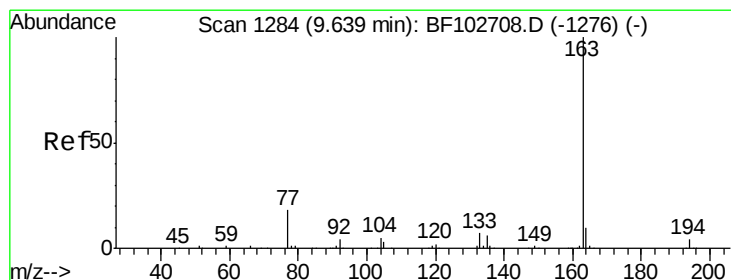
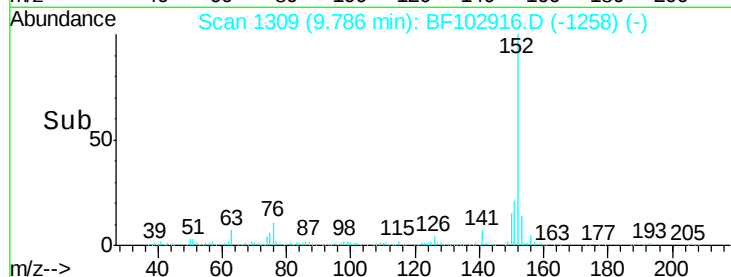
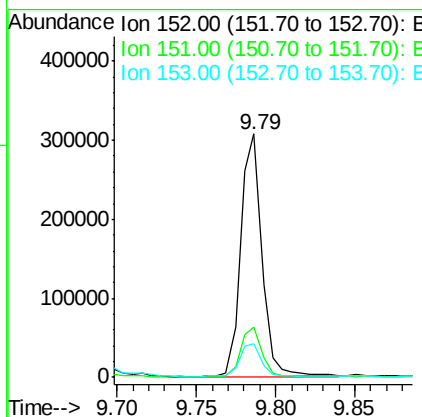
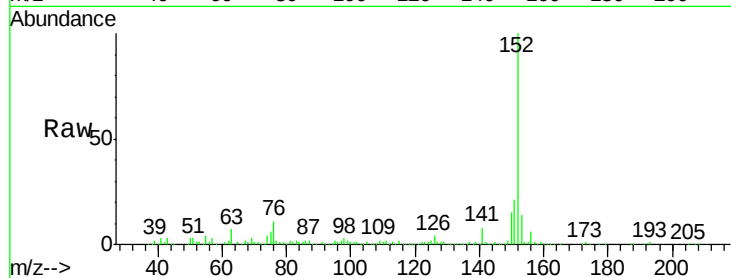
#48
Acenaphthylene
Concen: 9.594 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BF102916.D
Acq: 12 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
RO-1-2

Tot Ion	Ratio	Resp	Lower	Upper
152	100	287466		
151	20.8		16.3	24.5
153	14.1		10.7	16.1

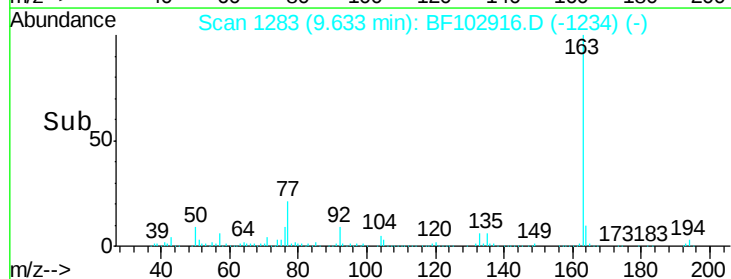
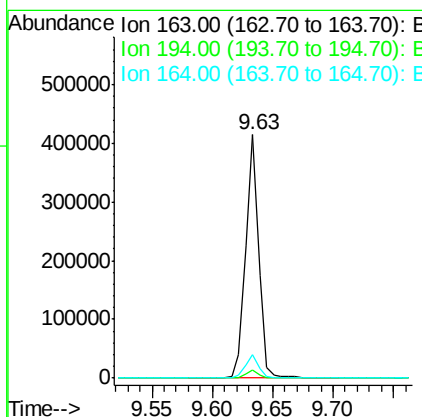
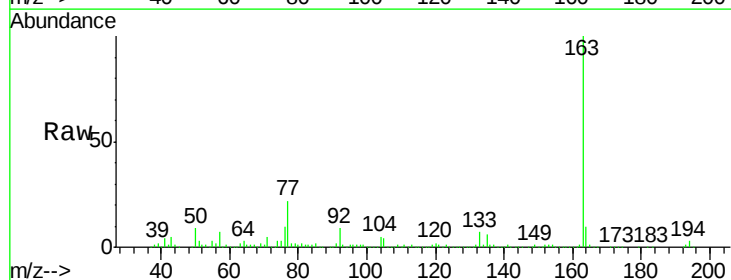
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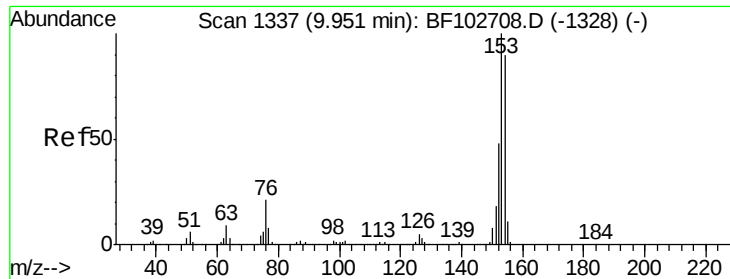
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#49
Dimethylphthalate
Concen: 13.802 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF102916.D
Acq: 12 Feb 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	313100		
194	3.4		2.7	4.1
164	9.9		8.2	12.2





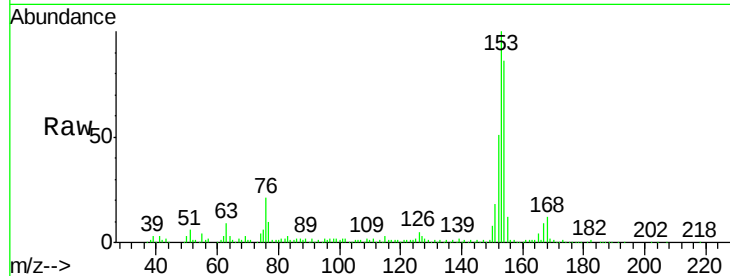
#51
Acenaphthene
Concen: 13.004 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BF102916.D
Acq: 12 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
RO-1-2

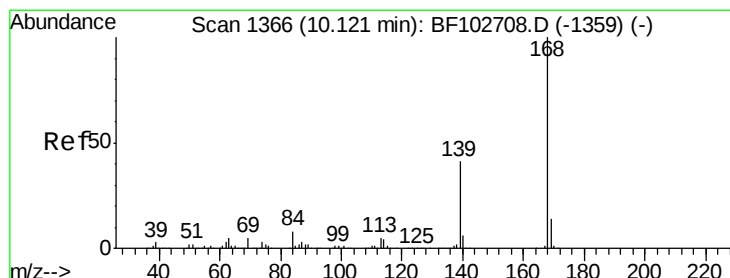
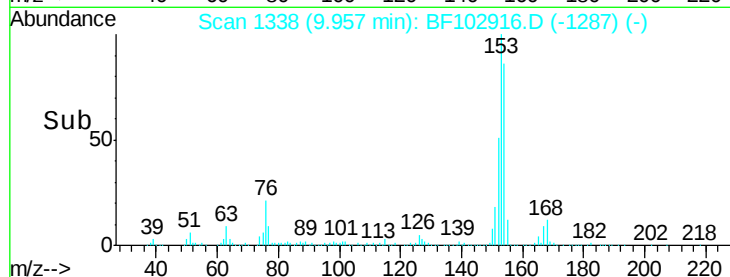
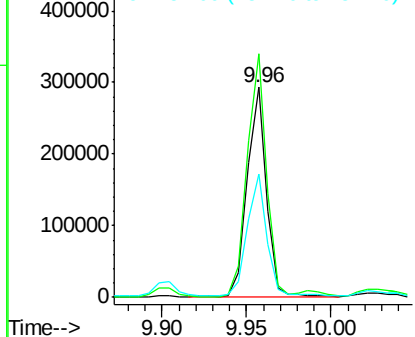
Tot Ion	Ratio	Lower	Upper
154	100		
153	115.9	91.2	136.8
152	58.9	43.8	65.8

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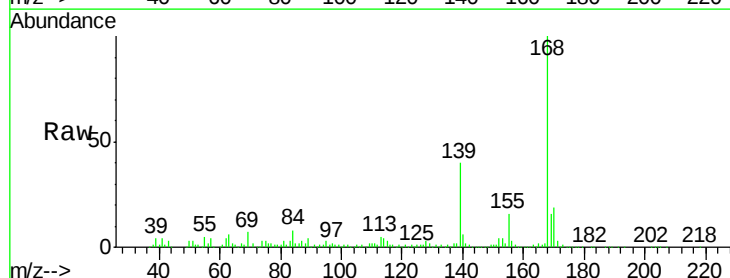


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

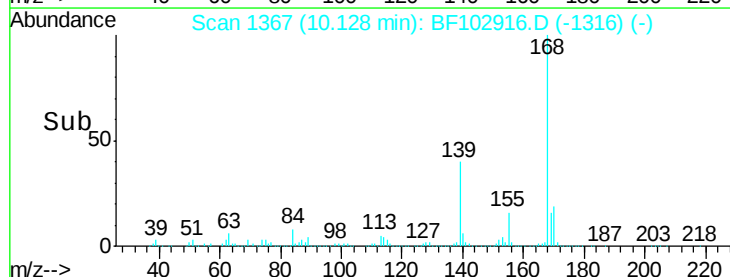
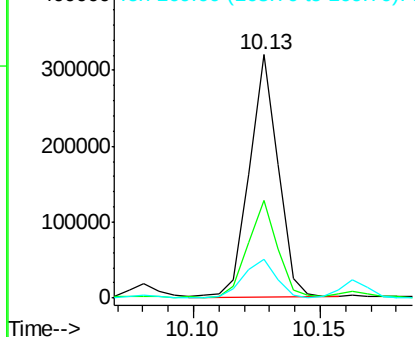


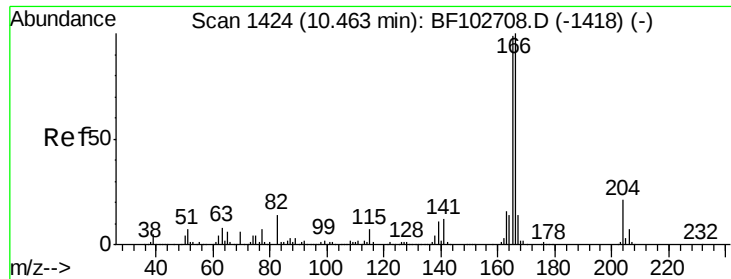
#54
Dibenzofuran
Concen: 9.929 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BF102916.D
Acq: 12 Feb 2018 13:18

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.3	30.1	45.1
169	15.9	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





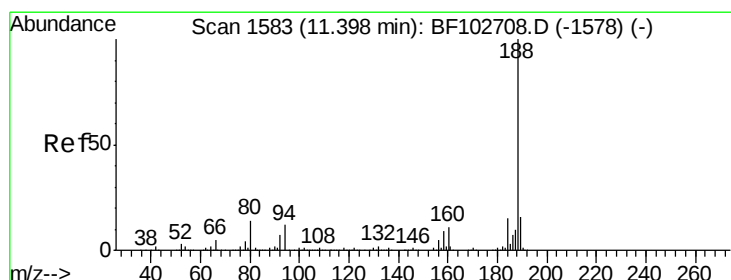
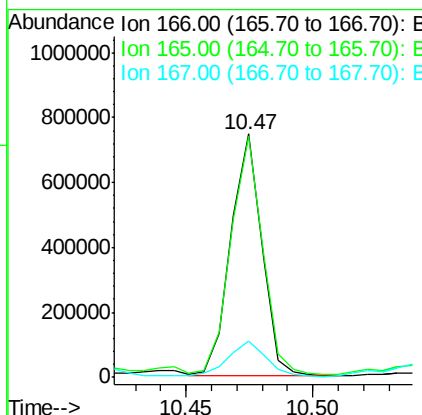
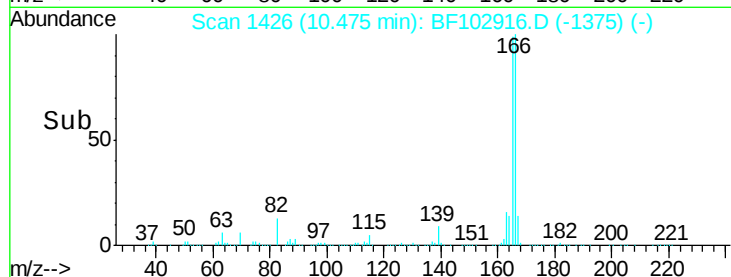
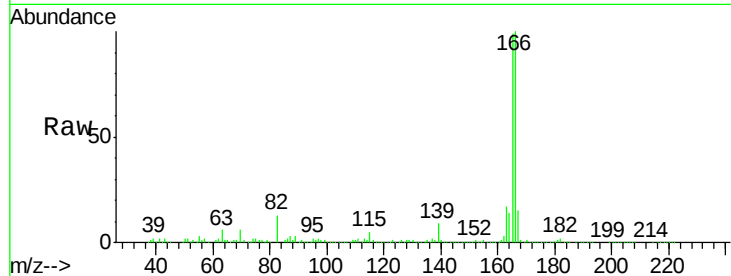
#57
Fluorene
 Concen: 34.687 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: BF102916.D
 Acq: 12 Feb 2018 13:18

Instrument :
 BNA_F
 ClientSampled :
 RO-1-2

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.8	119.8
167	14.9	10.6	16.0

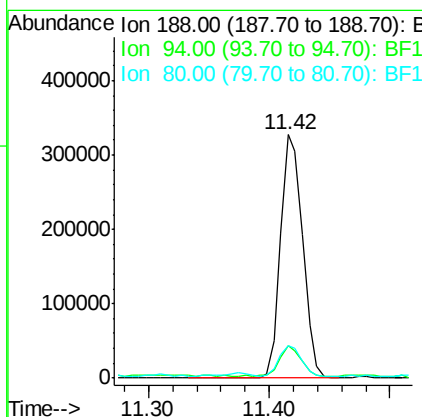
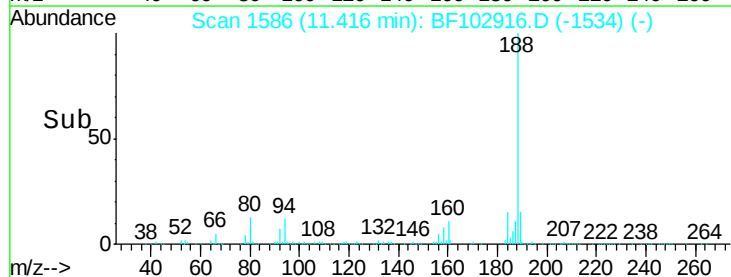
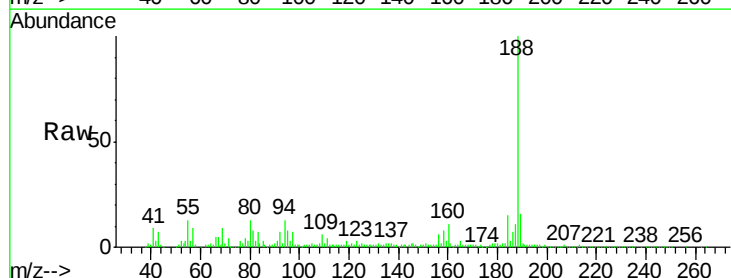
Manual Integrations
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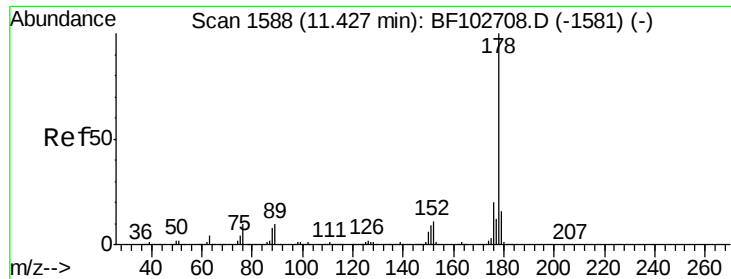
Sohil
 2/13/2018 11:25:28 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: BF102916.D
 Acq: 12 Feb 2018 13:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.2	8.5	12.7#
80	13.4	9.2	13.8





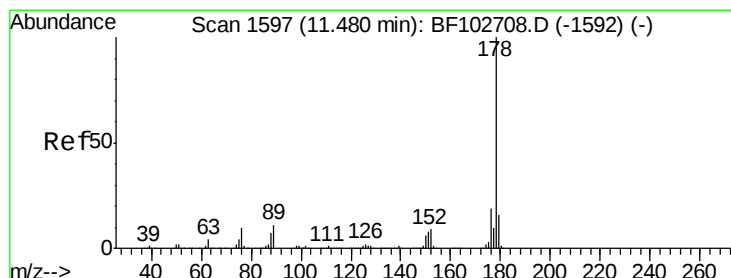
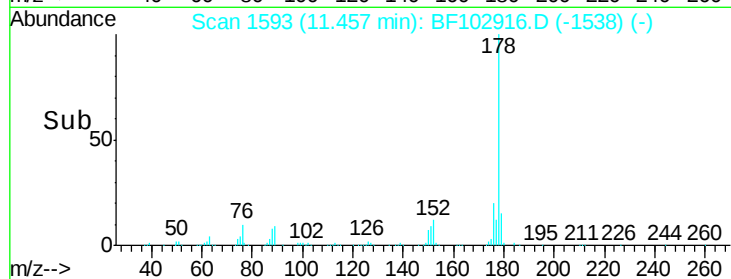
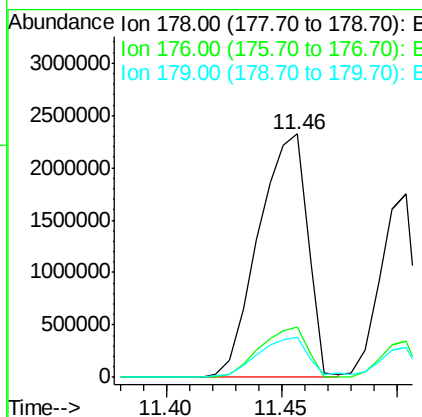
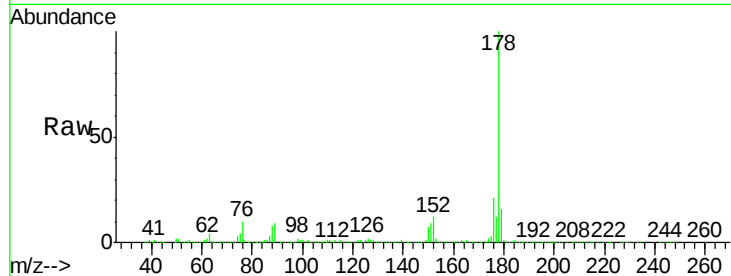
#70
Phenanthrene
Concen: 148.871 ng
RT: 11.46 min Scan# 1593
Delta R.T. 0.02 min
Lab File: BF102916.D
Acq: 12 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
RO-1-2

Tot Ion:178 Resp: 3405585
Ion Ratio Lower Upper
178 100
176 20.5 15.8 23.8
179 16.2 13.0 19.6

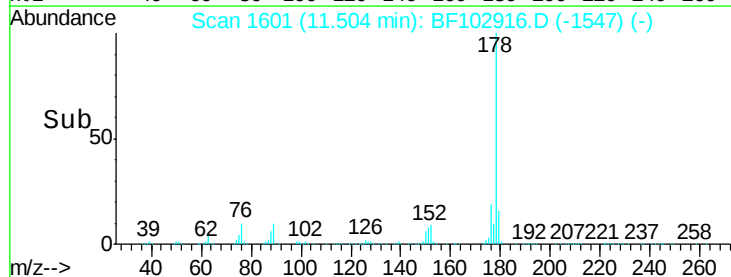
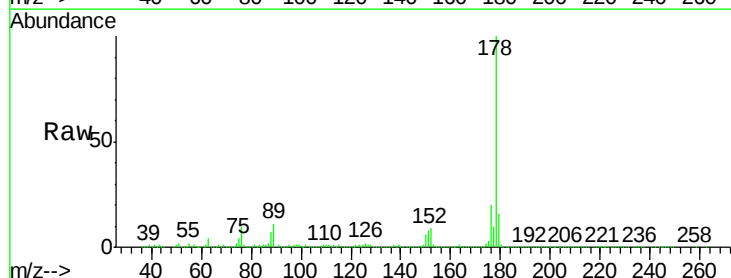
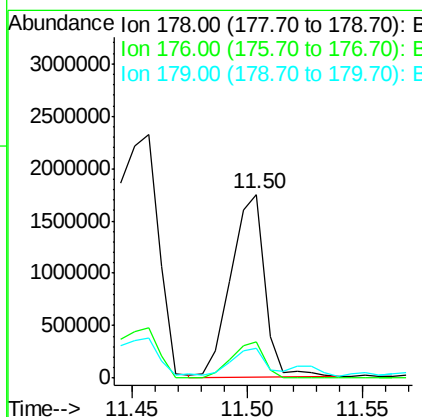
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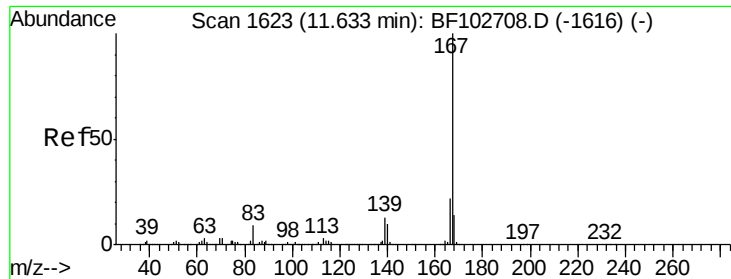
Sohil
2/13/2018 11:25:28 AM



#71
Anthracene
Concen: 76.757 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.02 min
Lab File: BF102916.D
Acq: 12 Feb 2018 13:18

Tgt Ion:178 Resp: 1785915
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 16.0 12.6 19.0





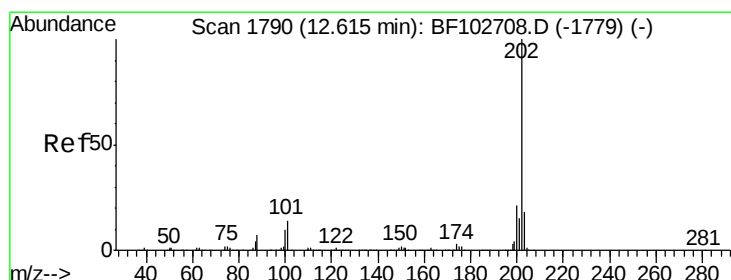
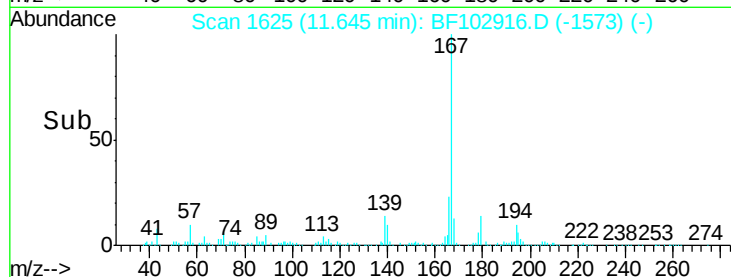
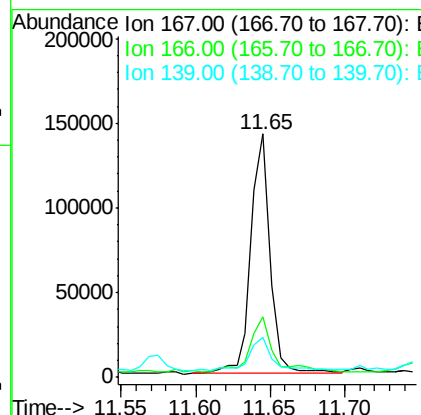
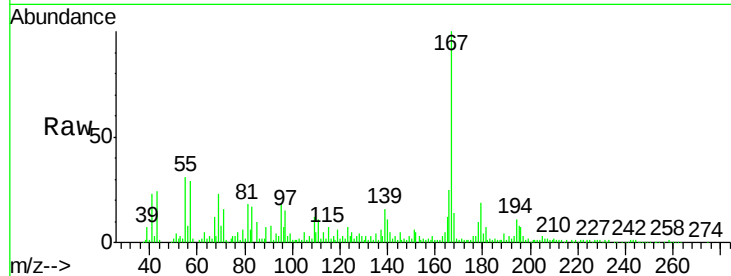
#72
 Carbazole
 Concen: 5.544 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. 0.01 min
 Lab File: BF102916.D
 Acq: 12 Feb 2018 13:18

Instrument :
 BNA_F
 ClientSampled :
 RO-1-2

Tot Ion	Ratio	Lower	Upper
167	100		
166	25.0	17.6	26.4
139	16.4	10.9	16.3

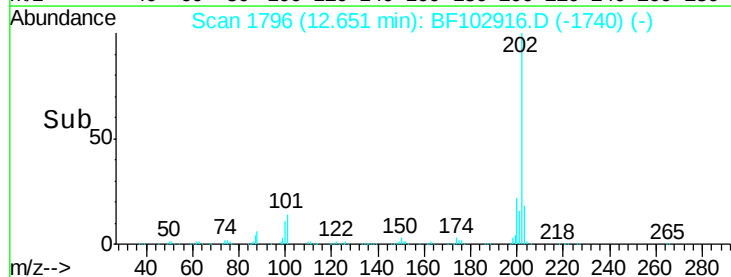
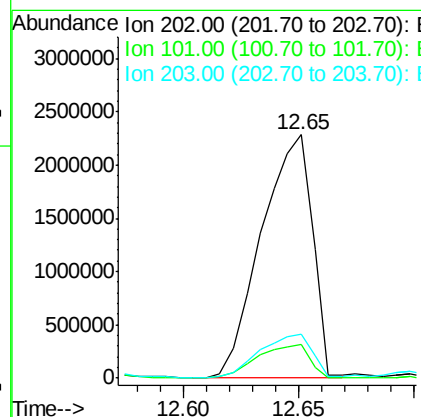
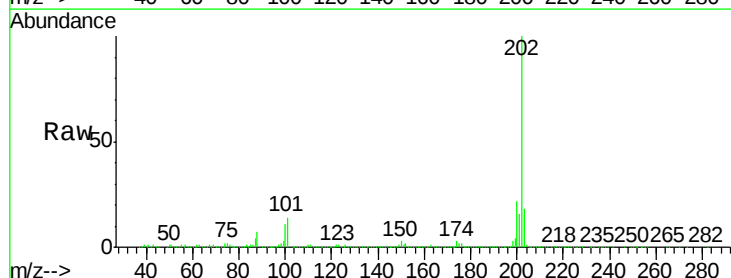
Manual Integrations
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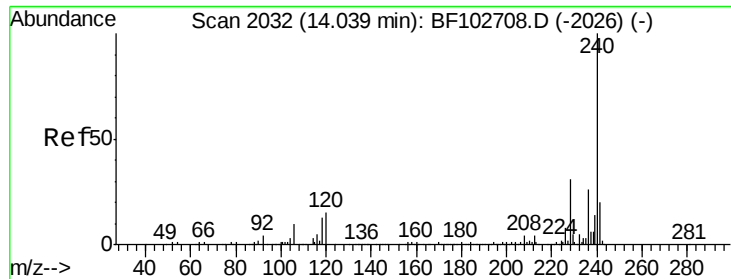
Sohil
 2/13/2018 11:25:28 AM



#74
 Fluoranthene
 Concen: 151.267 ng
 RT: 12.65 min Scan# 1796
 Delta R.T. 0.03 min
 Lab File: BF102916.D
 Acq: 12 Feb 2018 13:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.02 min

Lab File: BF102916.D

Acq: 12 Feb 2018 13:18

Instrument :

BNA_F

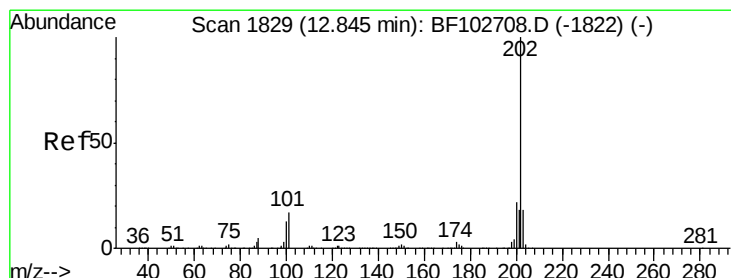
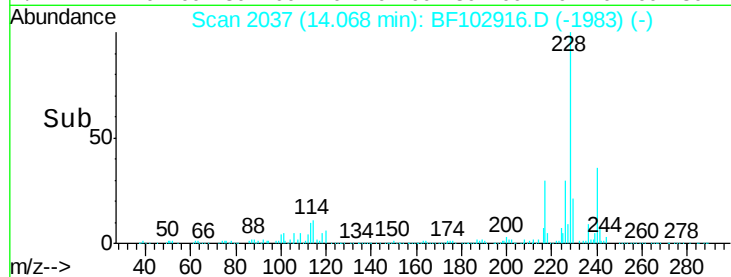
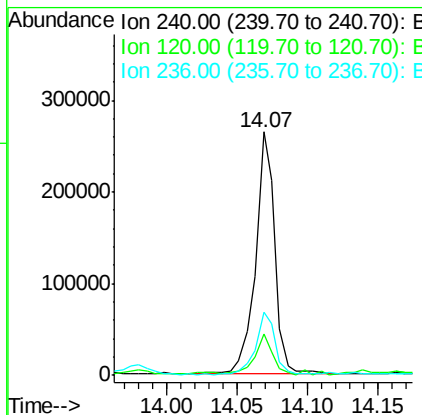
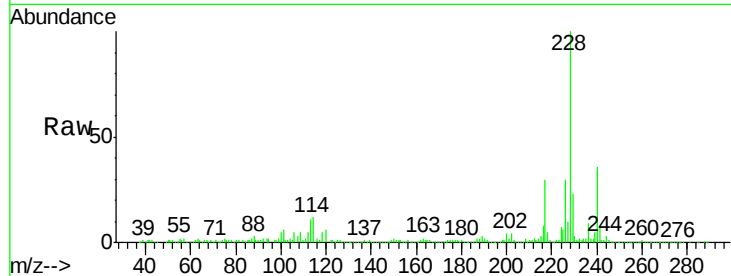
ClientSampleId :

RO-1-2

Tot Ion	Ratio	Resp	Lower	Upper
240	100	255046		
120	16.8	9.5	14.3#	
236	26.1	20.7	31.1	

Manual Integrations
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#77

Pyrene

Concen: 165.581 ng

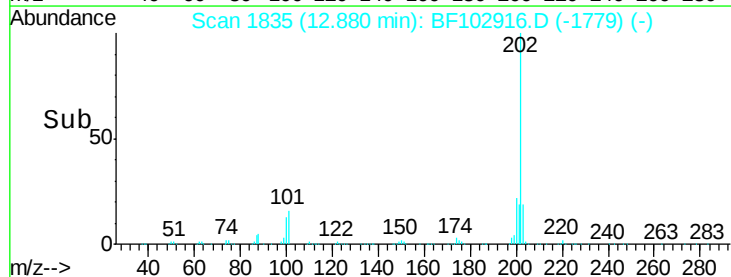
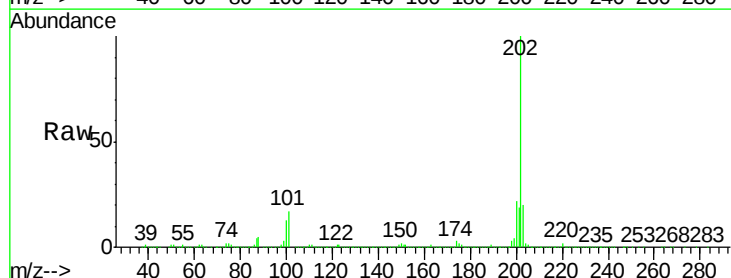
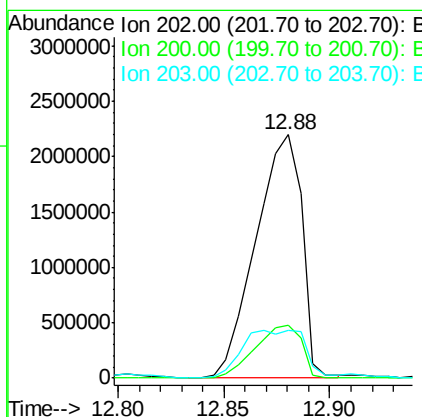
RT: 12.88 min Scan# 1835

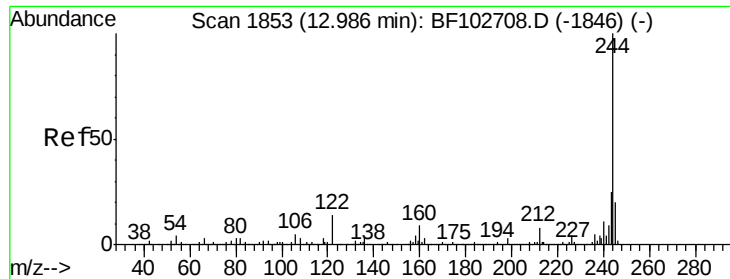
Delta R.T. 0.03 min

Lab File: BF102916.D

Acq: 12 Feb 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	3311558		
200	21.9	17.4	26.2	
203	19.7	14.3	21.5	





#78

Terphenyl-d14

Concen: 76.072 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF102916.D

Acq: 12 Feb 2018 13:18

Instrument :

BNA_F

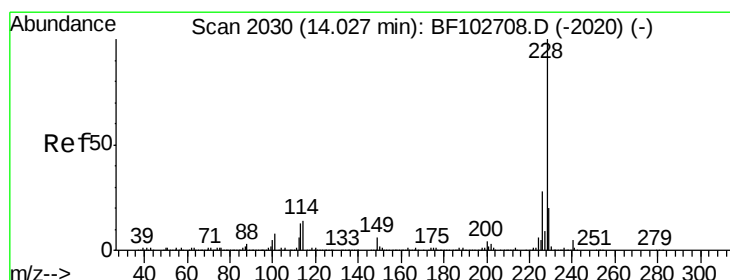
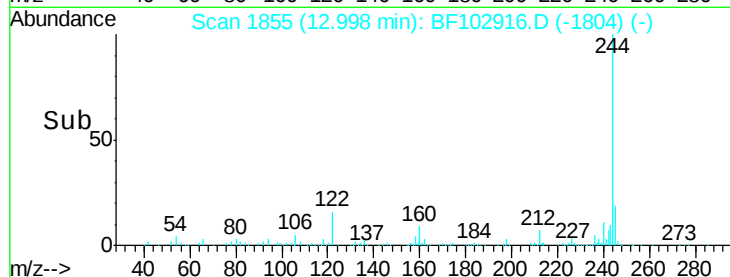
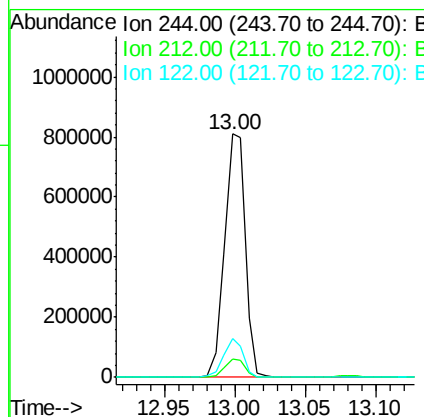
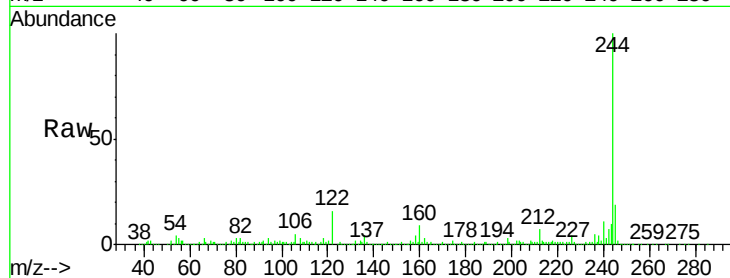
ClientSampled :

RO-1-2

Tot Ion:	244	Resp:	819417
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.4	8.0
122	15.8	11.0	16.4

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Sohil
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#80

Benzo(a)anthracene

Concen: 128.027 ng

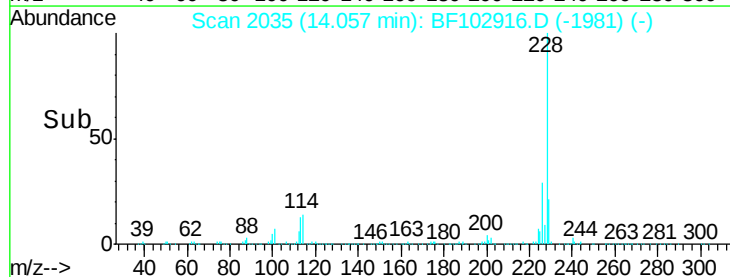
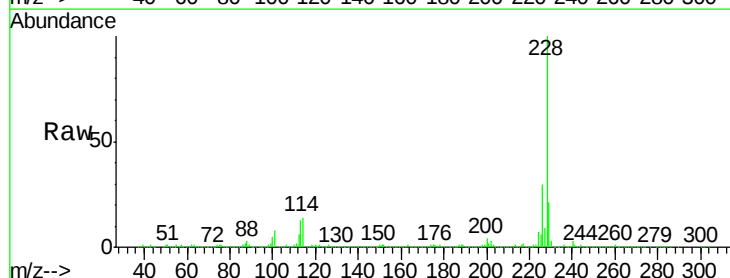
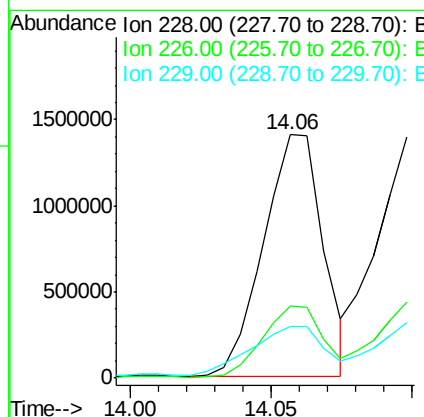
RT: 14.06 min Scan# 2035

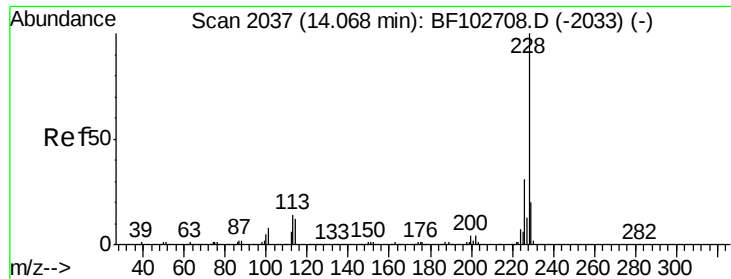
Delta R.T. 0.02 min

Lab File: BF102916.D

Acq: 12 Feb 2018 13:18

Tgt Ion:	228	Resp:	2053555
Ion Ratio	Lower	Upper	
228	100		
226	29.7	22.6	33.8
229	21.4	15.8	23.6





#82

Chrysene

Concen: 108.910 ng

RT: 14.10 min Scan# 2042

Delta R.T. 0.02 min

Lab File: BF102916.D

Acq: 12 Feb 2018 13:18

Instrument :

BNA_F

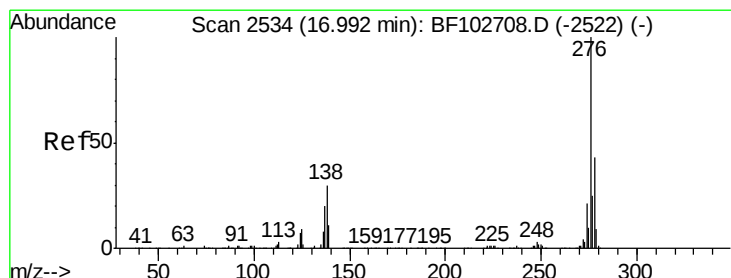
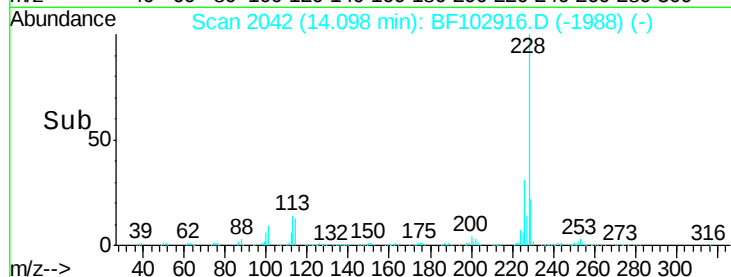
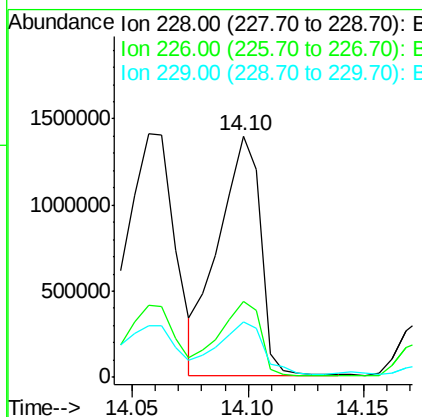
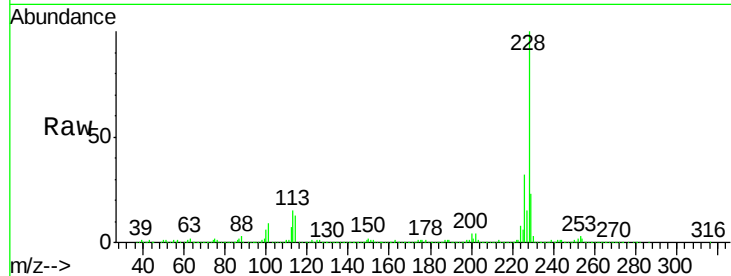
ClientSampled :

RO-1-2

Tot Ion:	228	Resp:	1760981
Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	22.9	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 59.536 ng

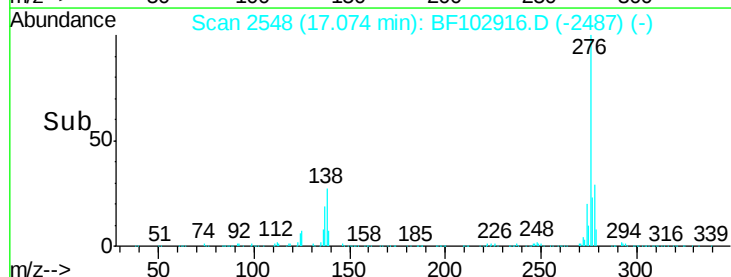
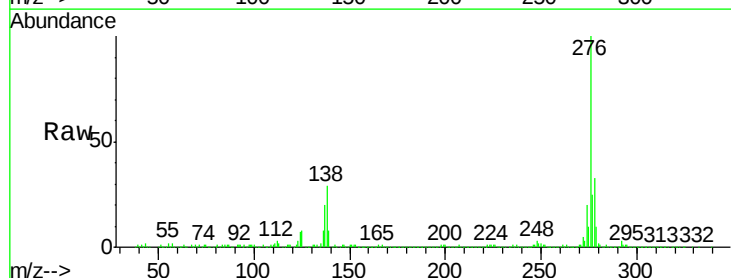
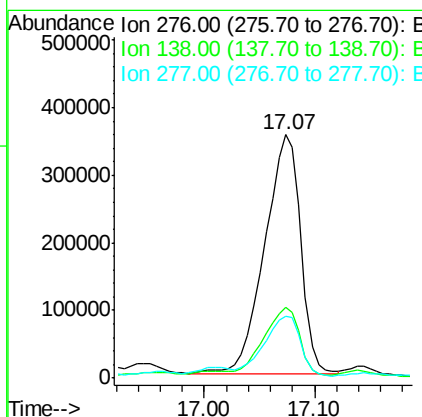
RT: 17.07 min Scan# 2548

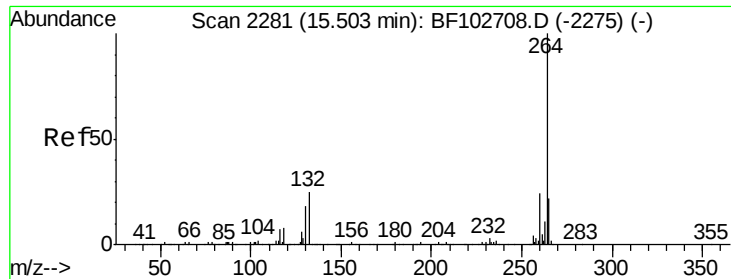
Delta R.T. 0.06 min

Lab File: BF102916.D

Acq: 12 Feb 2018 13:18

Tgt Ion:	276	Resp:	798394
Ion	Ratio	Lower	Upper
276	100		
138	28.0	25.0	37.6
277	25.3	20.1	30.1





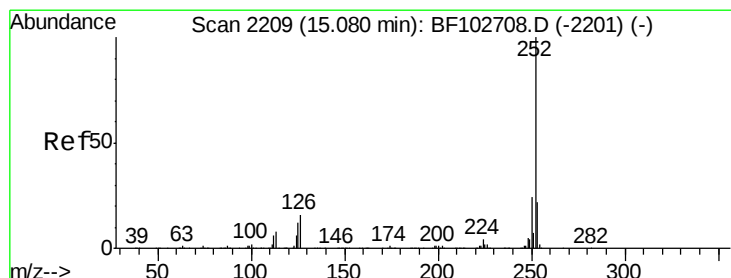
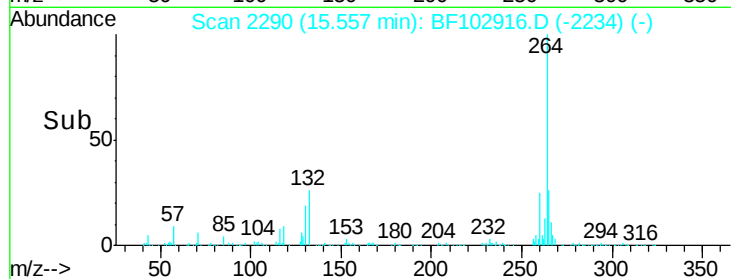
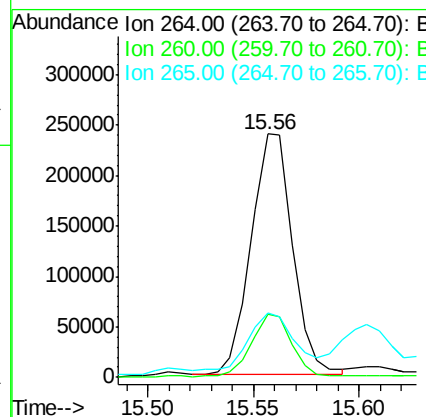
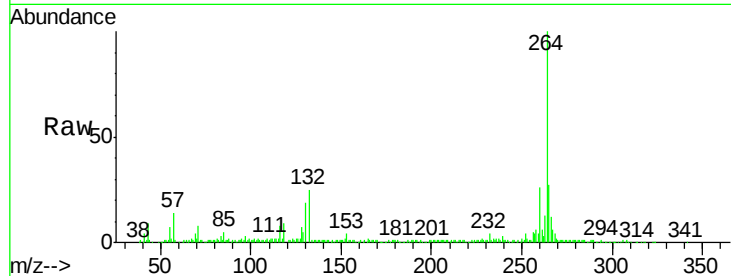
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.03 min
Lab File: BF102916.D
Acq: 12 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
RO-1-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.2	28.8
265	26.6	17.5	26.3#

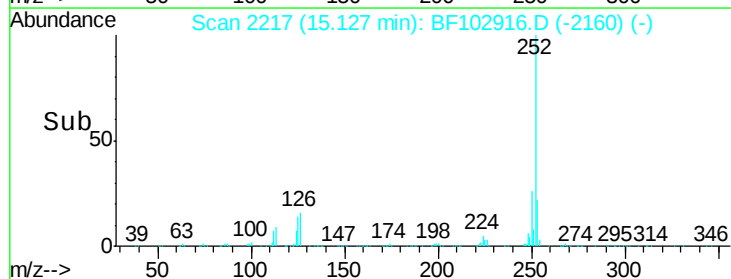
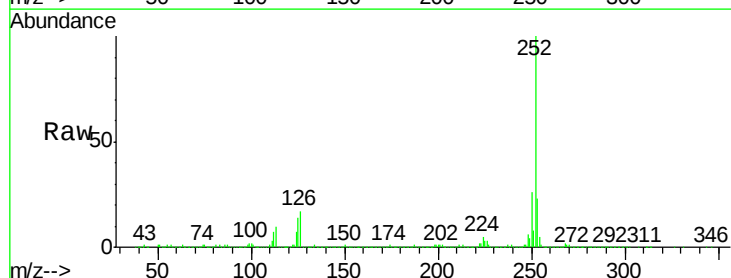
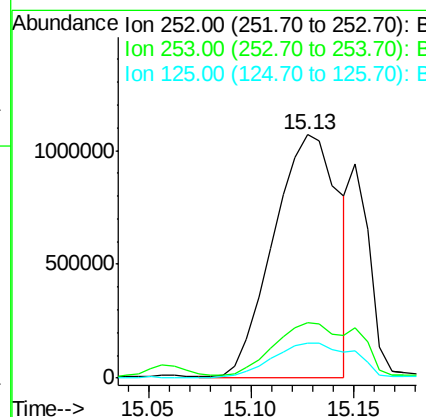
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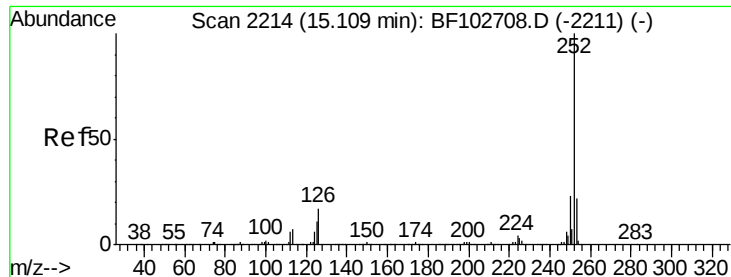
Sohil
2/13/2018 11:25:28 AM



#87
Benzo(b)fluoranthene
Concen: 111.239 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.04 min
Lab File: BF102916.D
Acq: 12 Feb 2018 13:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	14.5	9.0	13.6#





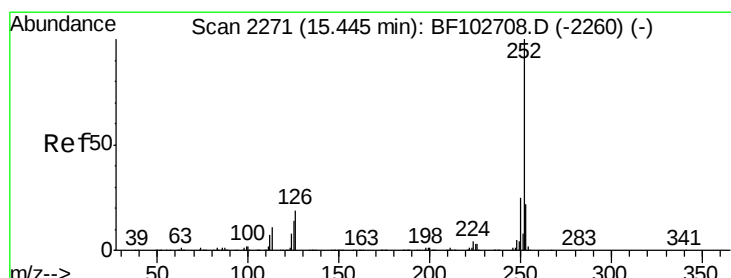
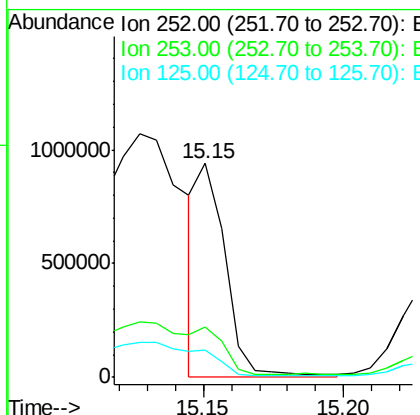
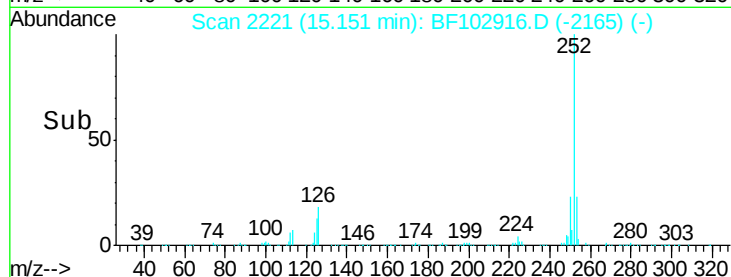
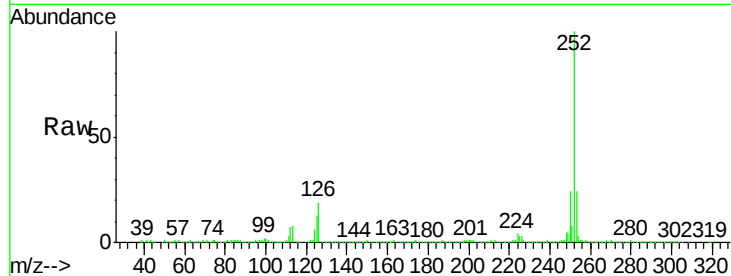
#88
Benzo(k)fluoranthene
Concen: 32.112 ng m
RT: 15.15 min Scan# 2221
Delta R.T. 0.03 min
Lab File: BF102916.D
Acq: 12 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
RO-1-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	13.0	10.2	15.2

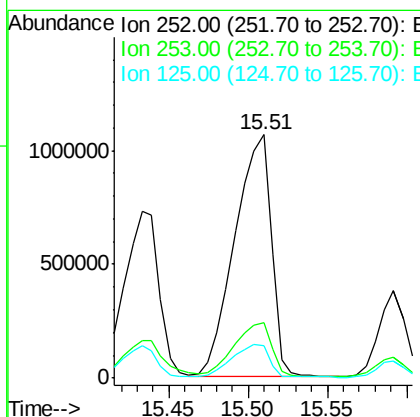
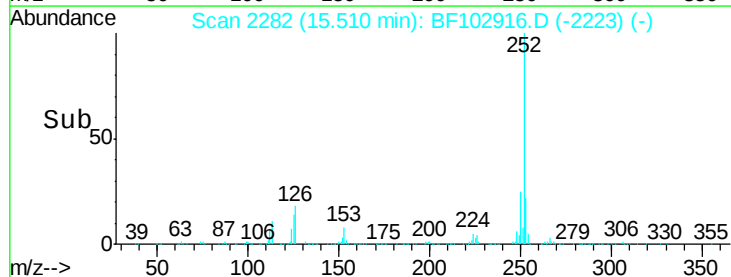
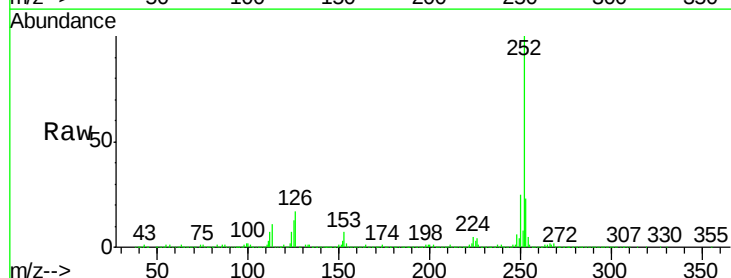
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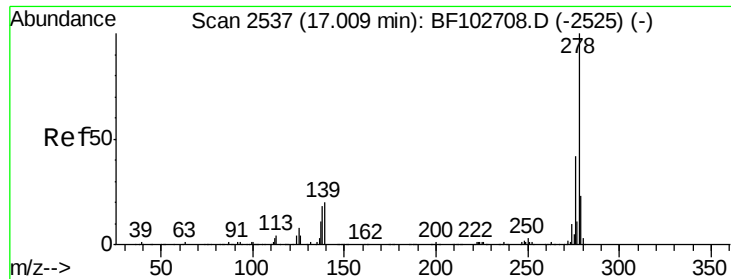
Sohil
2/13/2018 11:25:28 AM



#89
Benzo(a)pyrene
Concen: 89.758 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.05 min
Lab File: BF102916.D
Acq: 12 Feb 2018 13:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	13.2	9.8	14.6





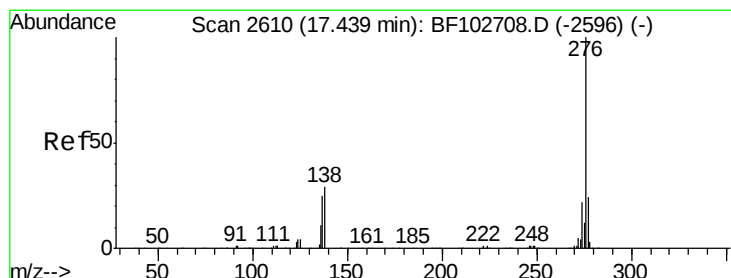
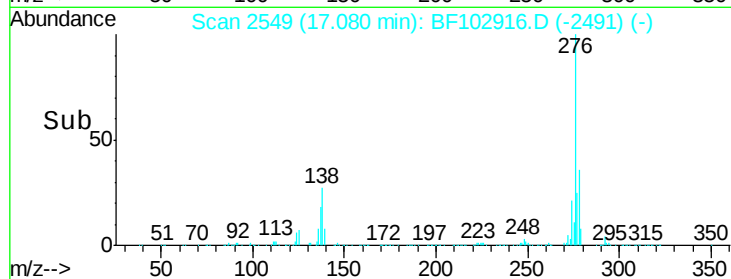
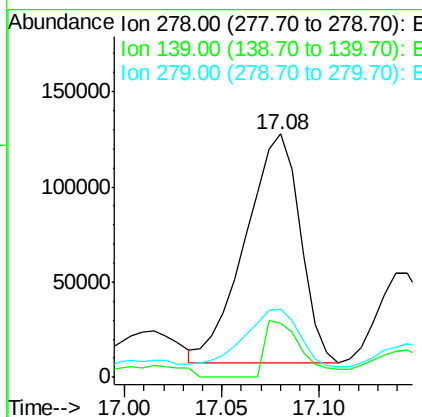
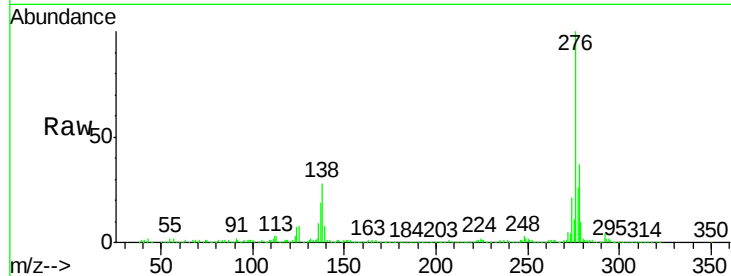
#90
Dibenzo(a,h)anthracene
Concen: 15.071 ng
RT: 17.08 min Scan# 2549
Delta R.T. 0.04 min
Lab File: BF102916.D
Acq: 12 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
RO-1-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.3	15.9	23.9
279	28.0	19.0	28.4

Manual Integrations
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2/13/2018 11:25:28 AM



#91
Benzo(g,h,i)perylene
Concen: 47.786 ng
RT: 17.53 min Scan# 2626
Delta R.T. 0.06 min
Lab File: BF102916.D
Acq: 12 Feb 2018 13:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.9	26.9
138	29.3	21.8	32.8

