

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012419\
 Data File : BF112225.D
 Acq On : 24 Jan 2019 22:46
 Operator : JU/SJ
 Sample : K1016-03DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-RO-1-012319DL

Manual Integrations
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 1/25/2019 10:05:33 AM

Quant Time: Jan 25 01:07:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	191664	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	720936	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	285244	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	529683	20.00	ng	0.00
76) Chrysene-d12	14.03	240	335077	20.00	ng	0.00
87) Perylene-d12	15.52	264	260817	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	531438	50.33	ng	0.00
7) Phenol-d6	6.50	99	654954	49.57	ng	0.00
23) Nitrobenzene-d5	7.42	82	371409	35.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	139371	45.29	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	750493	38.57	ng	0.00
79) Terphenyl-d14	12.97	244	627577	39.84	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.60	163	51888	2.494	ng	Qvalue 100
52) Acenaphthene	9.93	154	48614	2.916	ng	98
55) Dibenzofuran	10.10	168	84550	3.354	ng	99
58) Fluorene	10.45	166	139487	7.406	ng	100
71) Phenanthrene	11.42	178	1254588	47.065	ng	99
72) Anthracene	11.46	178	404545	14.981	ng	98
75) Fluoranthene	12.62	202	1572947	55.887	ng	98
78) Pyrene	12.84	202	1242681	56.212	ng	99
81) Benzo(a)anthracene	14.03	228	477660	24.862	ng	100
83) Chrysene	14.06	228	389488	21.425	ng	97
86) Indeno(1,2,3-cd)pyrene	17.02	276	130670	7.791	ng	# 89
88) Benzo(b)fluoranthene	15.09	252	426410m	28.802	ng	
89) Benzo(k)fluoranthene	15.11	252	102153m	7.129	ng	
90) Benzo(a)pyrene	15.45	252	261677	19.273	ng	96
91) Dibenzo(a,h)anthracene	17.02	278	31696	2.628	ng	# 75
92) Benzo(g,h,i)perylene	17.46	276	123547	10.399	ng	95

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

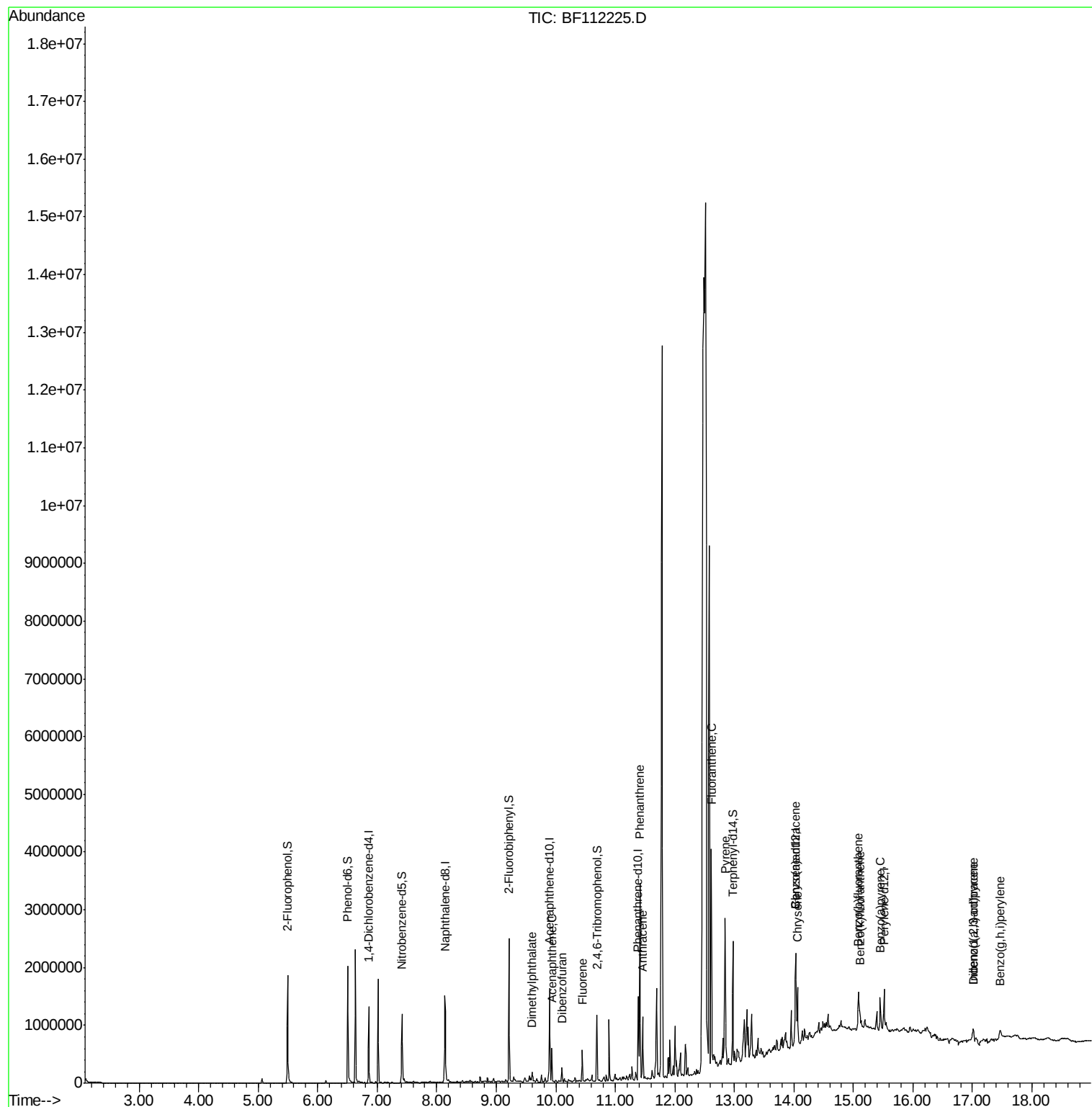
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012419\
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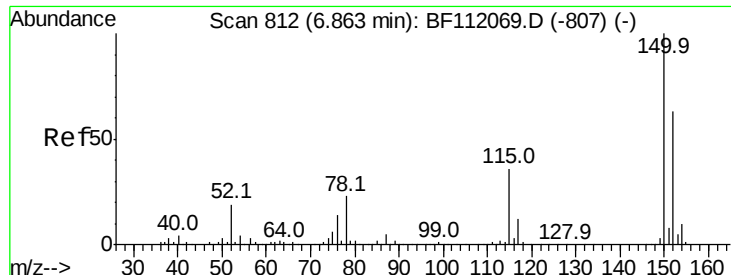
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#1

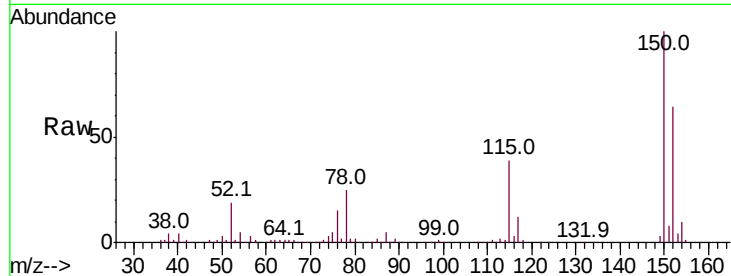
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: BF112225.D
 Acq: 24 Jan 2019 22:46

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-RO-1-012319DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	127.4	191.0
115	61.1	45.5	68.3

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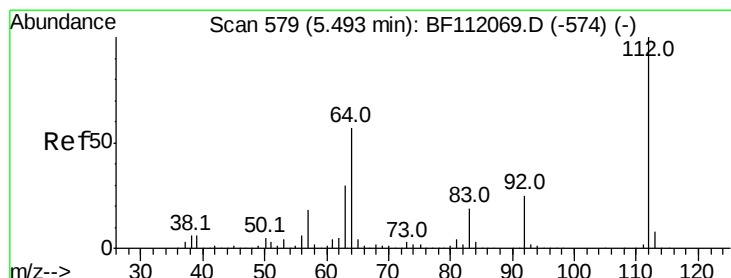
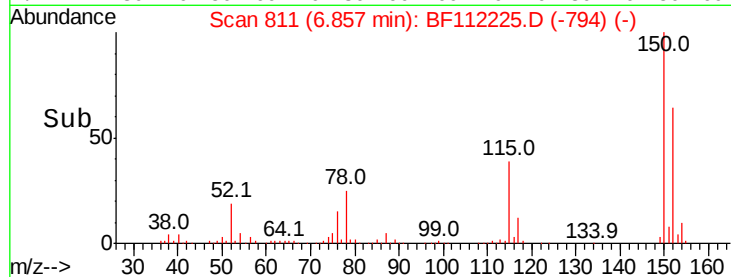
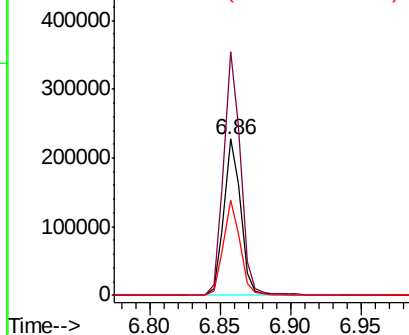


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

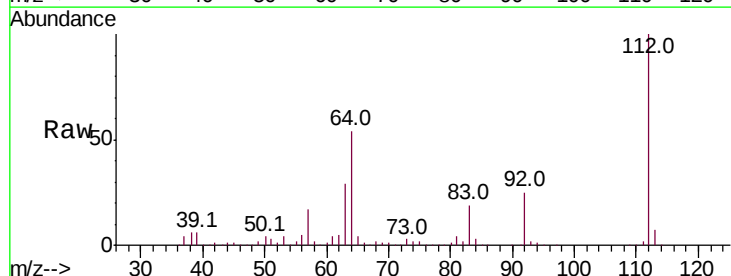
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 50.327 ng
 RT: 5.49 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: BF112225.D
 Acq: 24 Jan 2019 22:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	45.7	68.5
63	29.3	23.6	35.4

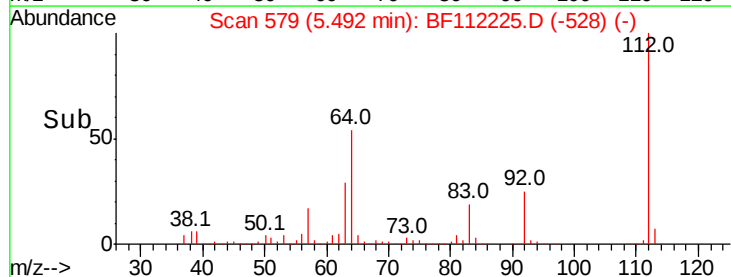
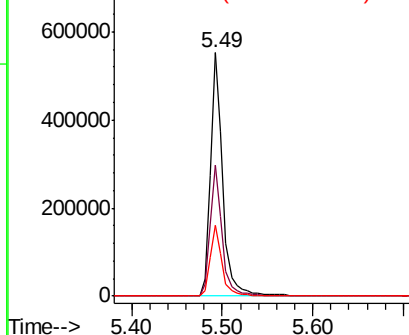


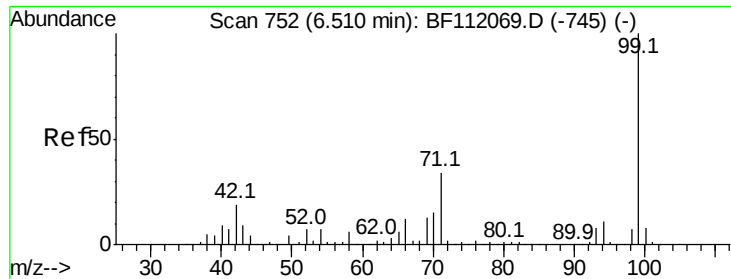
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 49.573 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF112225.D

Acq: 24 Jan 2019 22:46

Instrument :

BNA_F

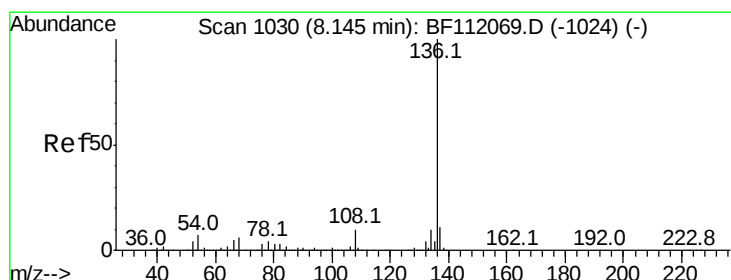
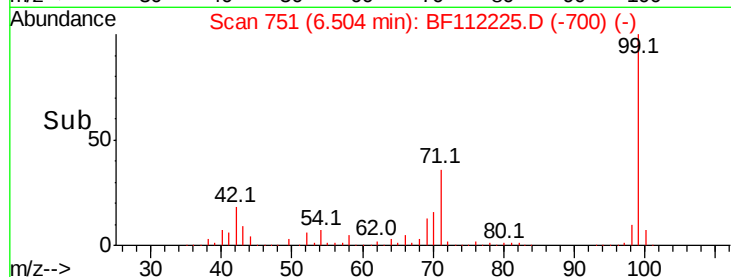
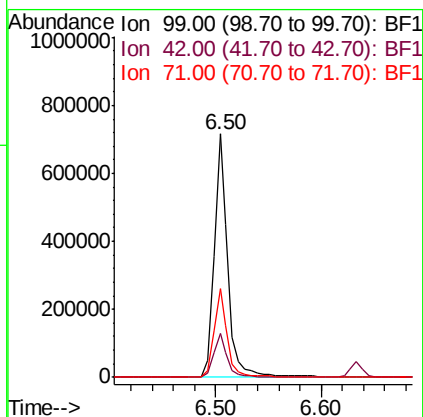
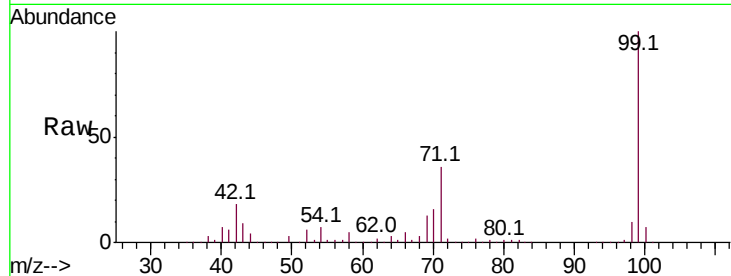
ClientSampleId :

TR-05-RO-1-012319DL

Tot Ion:	99	Resp:	654954
Ion Ratio	Lower	Upper	
99	100		
42	18.2	15.1	22.7
71	36.2	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

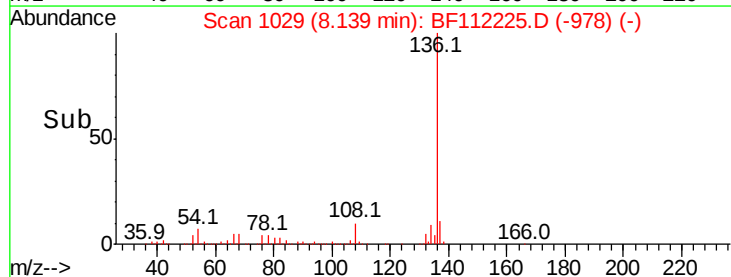
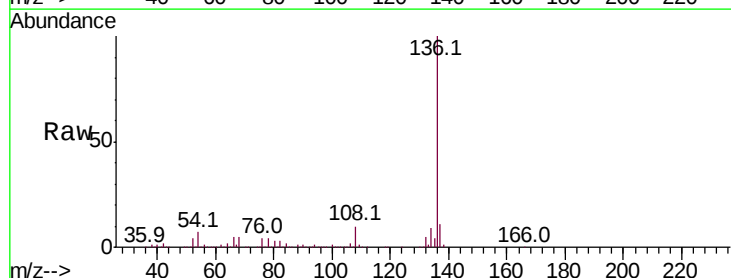
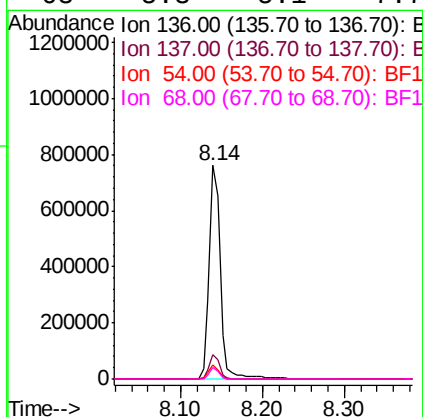
RT: 8.14 min Scan# 1029

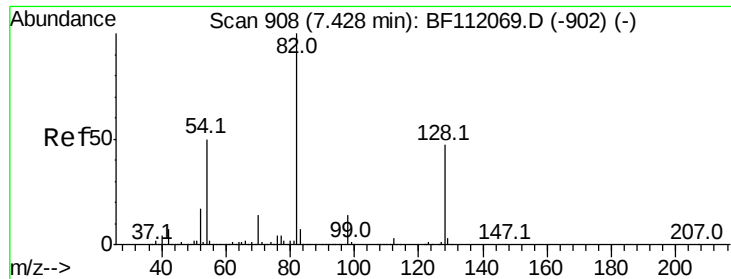
Delta R.T. 0.00 min

Lab File: BF112225.D

Acq: 24 Jan 2019 22:46

Tgt Ion:	136	Resp:	720936
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	6.8	5.9	8.9
68	5.3	5.1	7.7





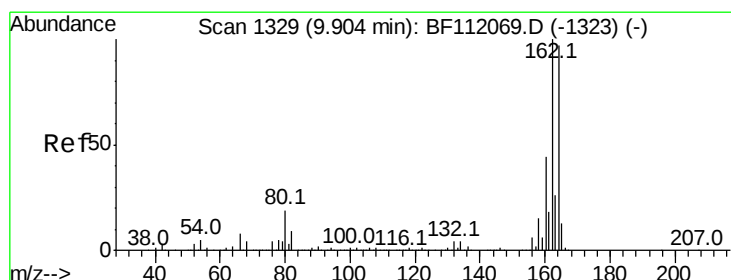
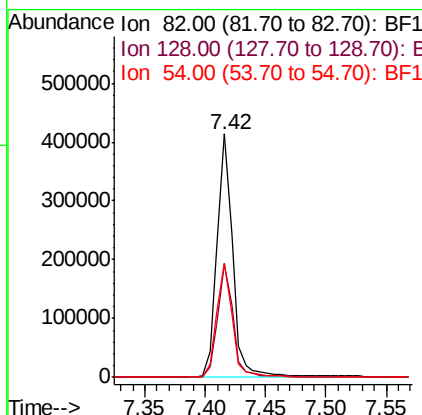
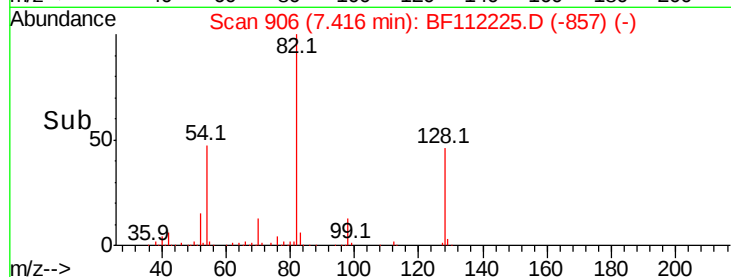
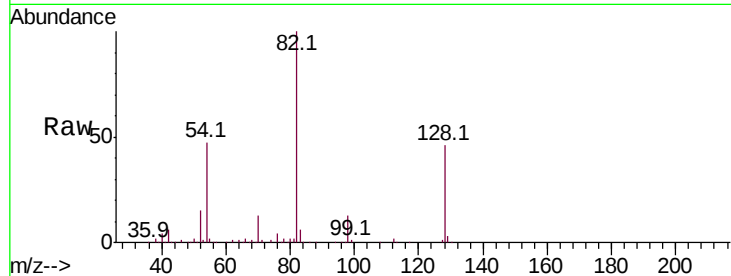
#23
Nitrobenzene-d5
Concen: 35.593 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF112225.D
Acq: 24 Jan 2019 22:46

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-1-012319DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.8	56.8
54	47.0	39.7	59.5

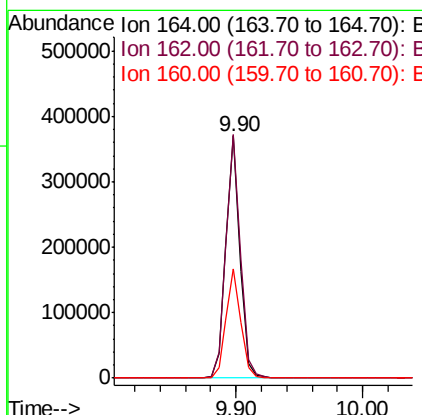
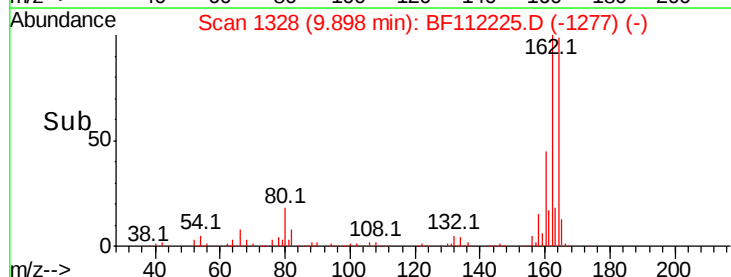
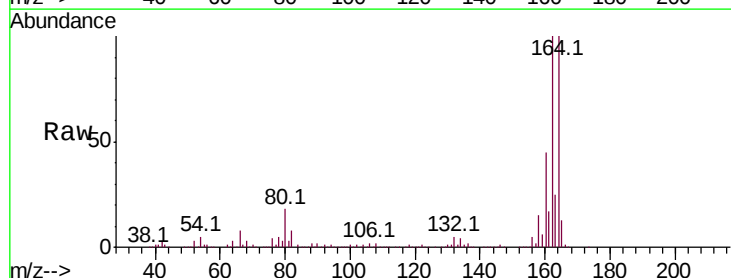
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF112225.D
Acq: 24 Jan 2019 22:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.5	82.2	123.4
160	44.9	36.2	54.4





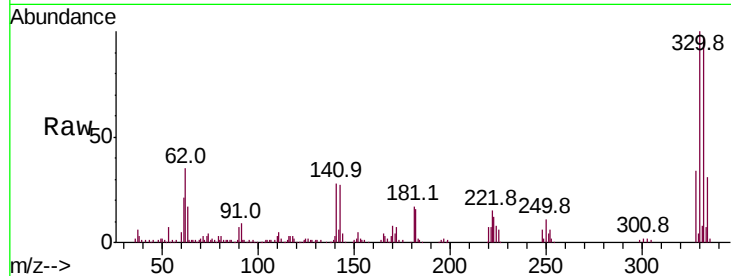
#42
 2,4,6-Tribromophenol
 Concen: 45.292 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: BF112225.D
 Acq: 24 Jan 2019 22:46

Instrument :
 BNA_F
 ClientSampleID :
 TR-05-RO-1-012319DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	114.8
141	31.9	24.3	36.5

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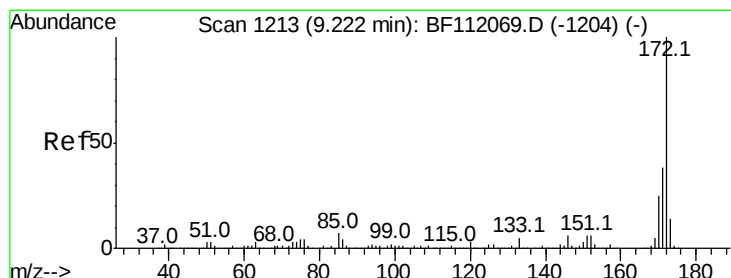
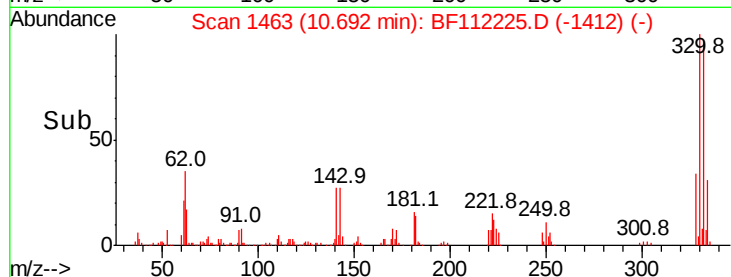
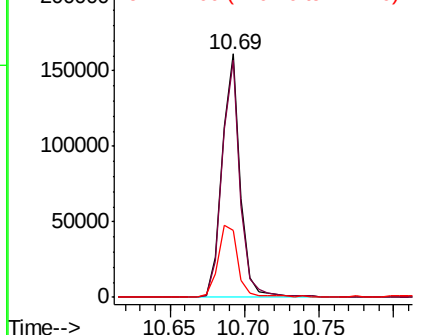


Abundance

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



#45
 2-Fluorobiphenyl
 Concen: 38.574 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: BF112225.D
 Acq: 24 Jan 2019 22:46

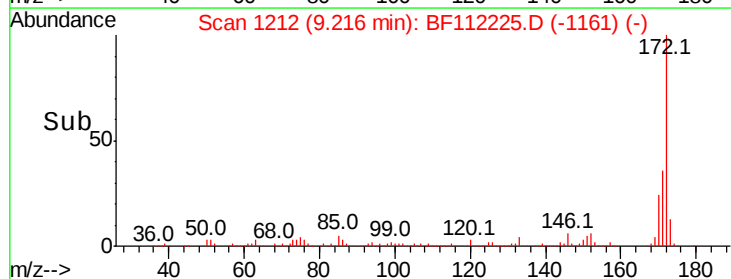
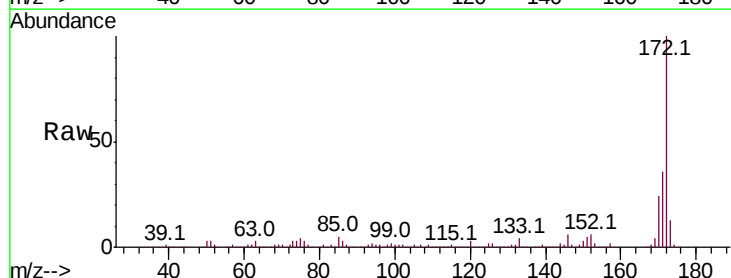
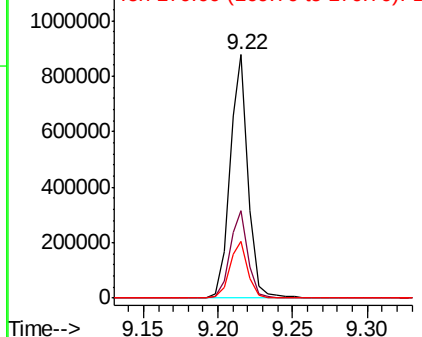
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.5	45.7
170	23.6	20.2	30.4

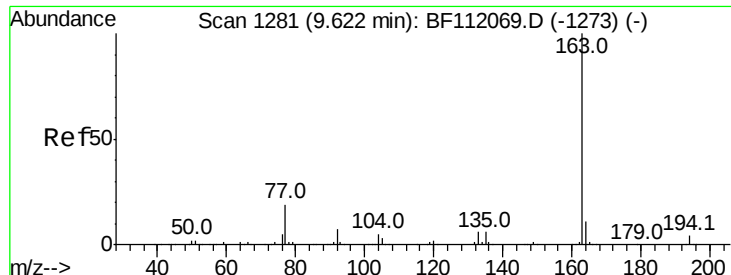
Abundance

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





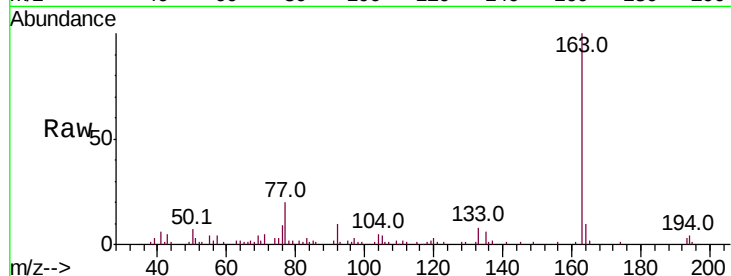
#50
Dimethylphthalate
Concen: 2.494 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF112225.D
Acq: 24 Jan 2019 22:46

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-1-012319DL

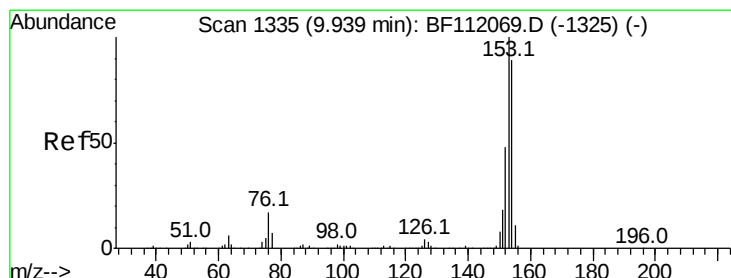
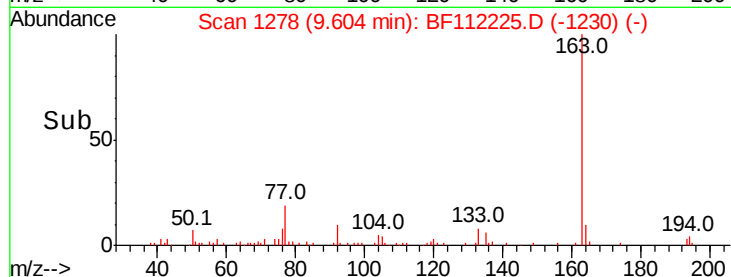
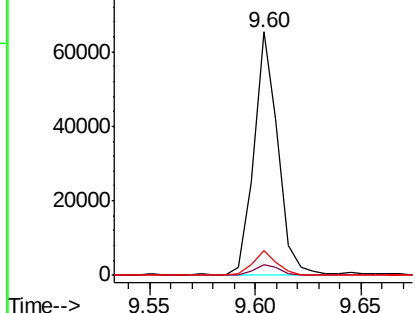
Tot Ion:	163	Resp:	51888
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.3	4.9
164	10.4	8.5	12.7

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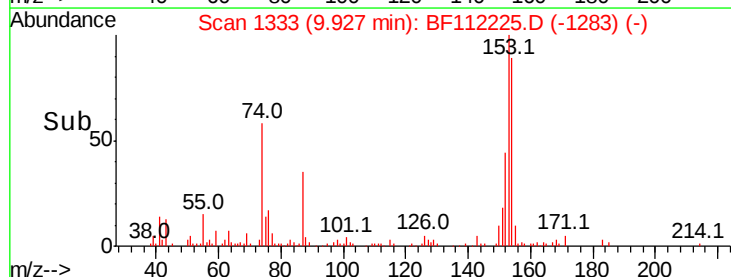
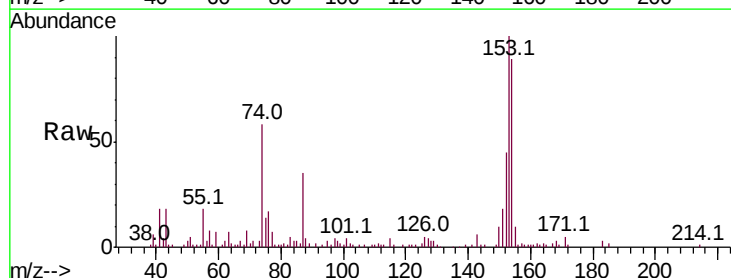
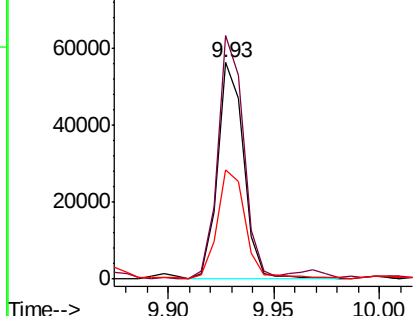
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

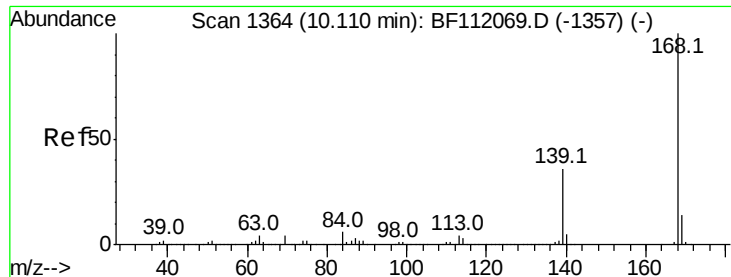


#52
Acenaphthene
Concen: 2.916 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF112225.D
Acq: 24 Jan 2019 22:46

Tgt Ion:	154	Resp:	48614
Ion Ratio	Lower	Upper	
154	100		
153	112.4	89.8	134.6
152	50.1	43.5	65.3

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





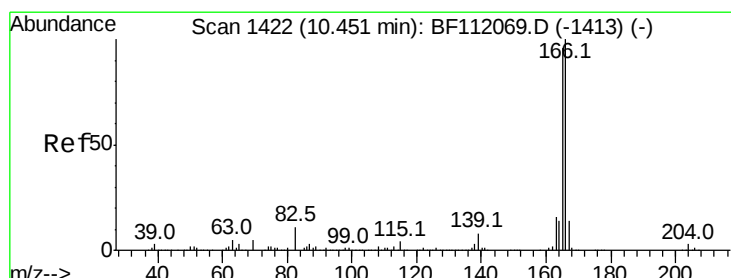
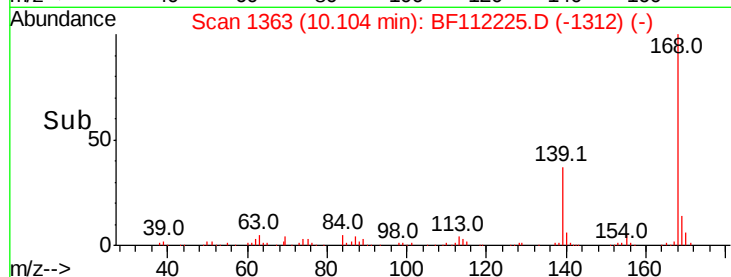
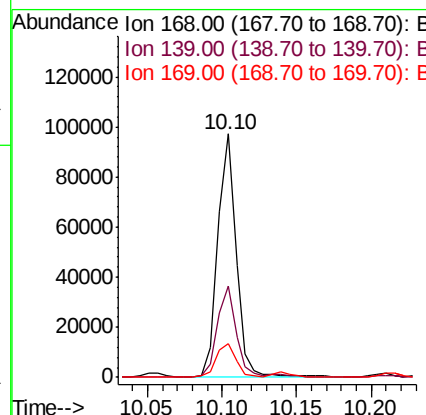
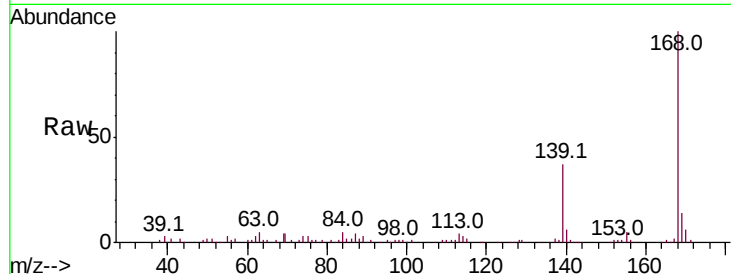
#55
Dibenzenofuran
Concen: 3.354 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BF112225.D
Acq: 24 Jan 2019 22:46

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-1-012319DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.2	43.8
169	13.8	11.4	17.0

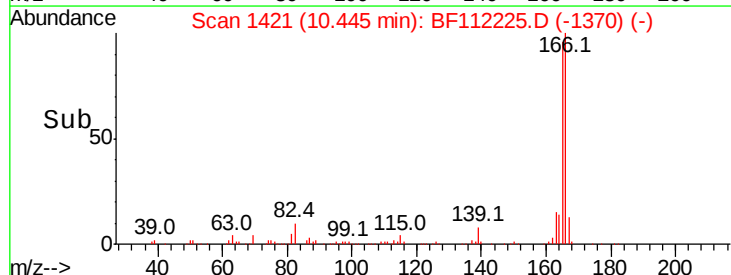
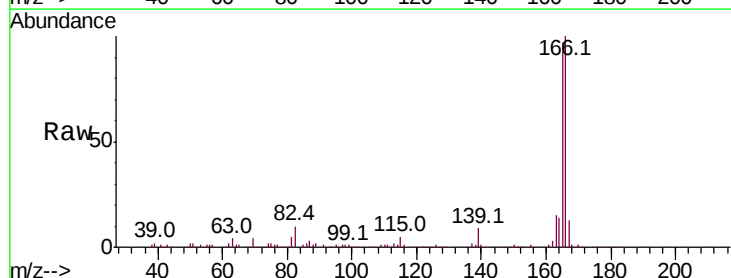
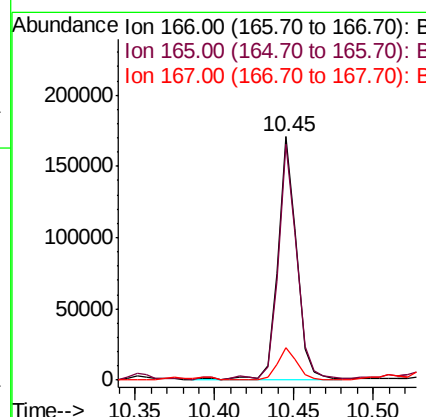
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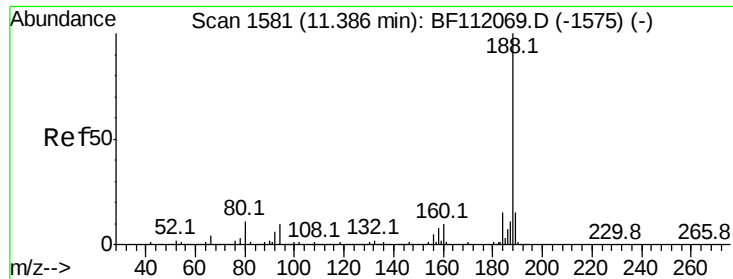
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#58
Fluorene
Concen: 7.406 ng
RT: 10.45 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BF112225.D
Acq: 24 Jan 2019 22:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.7	77.1	115.7
167	13.3	11.3	16.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BF112225.D

Acq: 24 Jan 2019 22:46

Instrument :

BNA_F

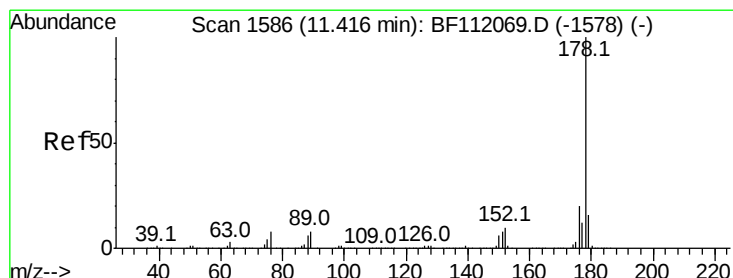
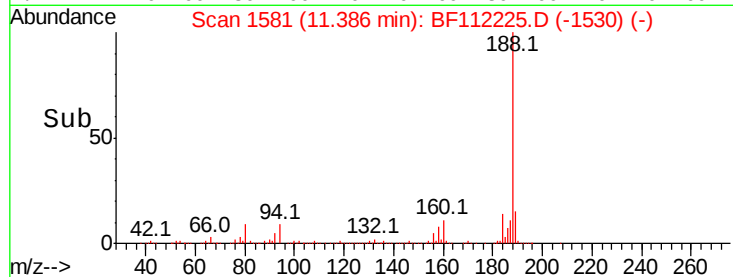
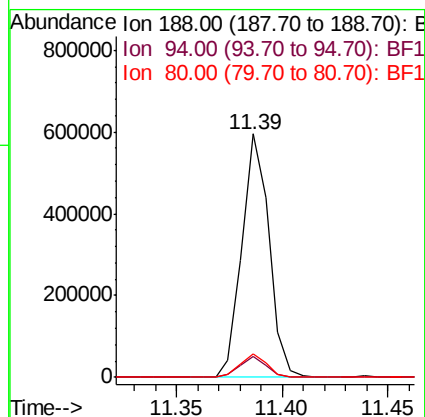
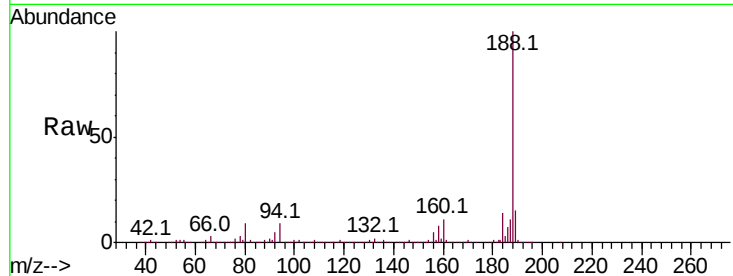
ClientSampleId :

TR-05-RO-1-012319DL

Tot Ion:	188	Resp:	529683
Ion Ratio	Lower	Upper	
188	100		
94	8.8	8.2	12.2
80	9.4	8.9	13.3

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#71

Phenanthrene

Concen: 47.065 ng

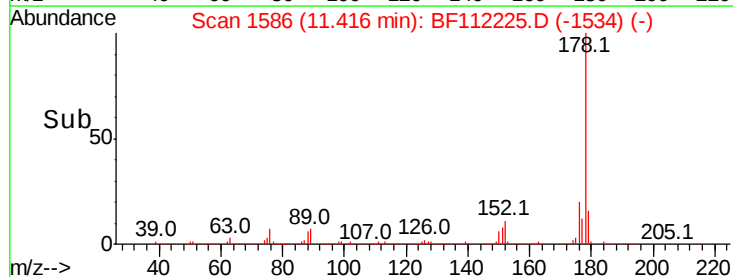
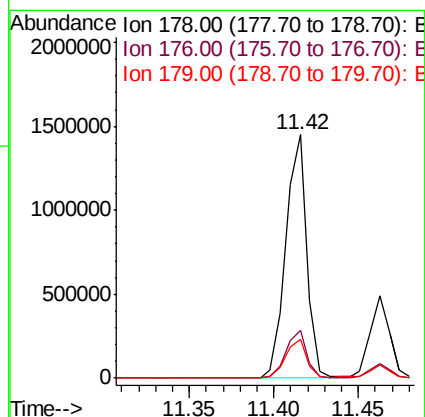
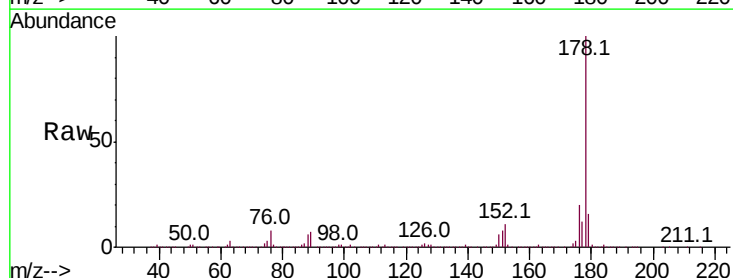
RT: 11.42 min Scan# 1586

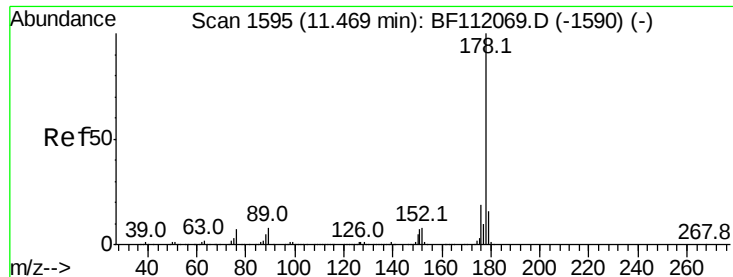
Delta R.T. 0.01 min

Lab File: BF112225.D

Acq: 24 Jan 2019 22:46

Tgt Ion:	178	Resp:	1254588
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.3	24.5
179	15.8	13.0	19.4





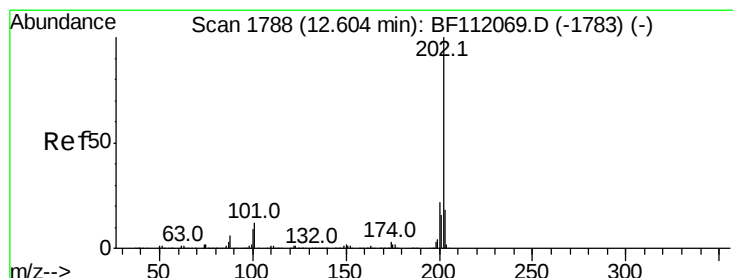
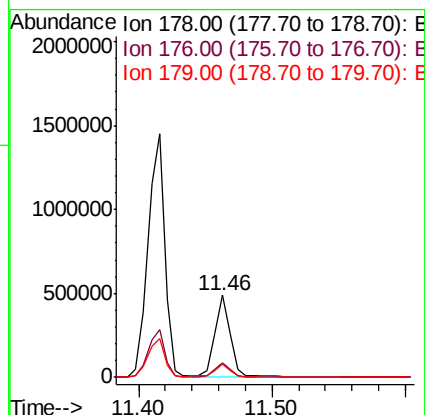
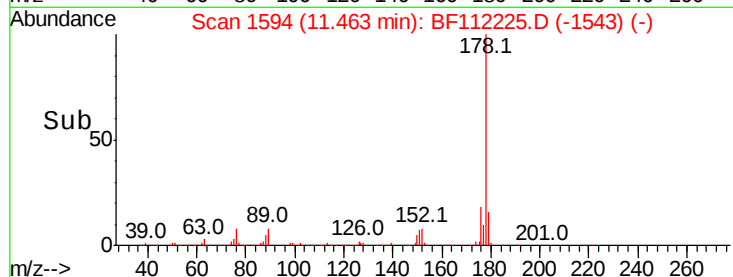
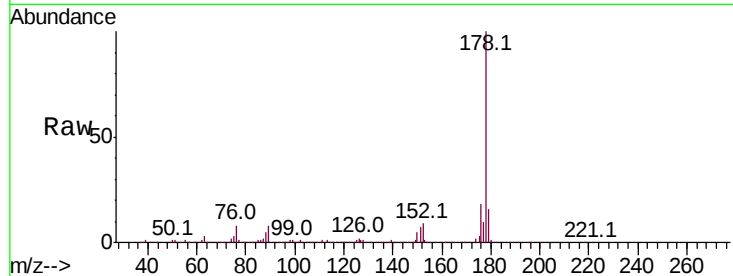
#72
 Anthracene
 Concen: 14.981 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: BF112225.D
 Acq: 24 Jan 2019 22:46

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-RO-1-012319DL

Tot Ion:	178	Resp:	404545
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.5	23.3
179	15.8	12.8	19.2

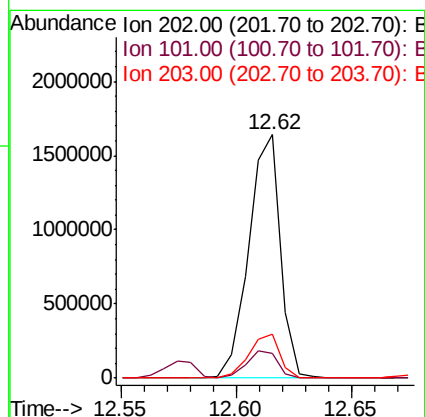
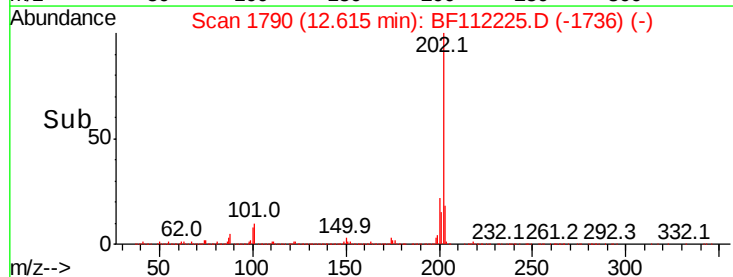
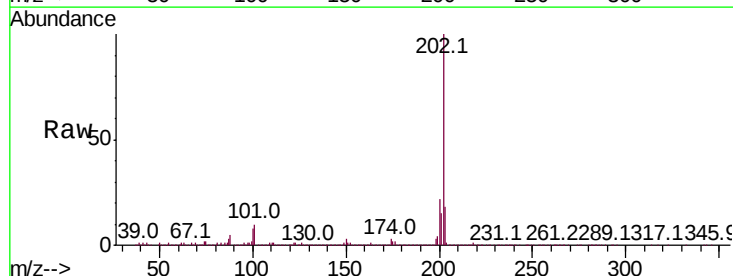
Manual Integrations
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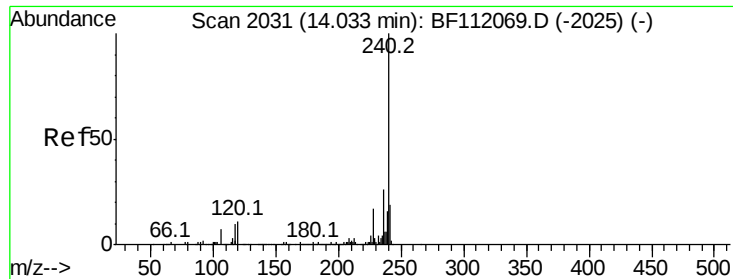
Sohil
 1/25/2019 10:05:33 AM



#75
 Fluoranthene
 Concen: 55.887 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. 0.02 min
 Lab File: BF112225.D
 Acq: 24 Jan 2019 22:46

Tgt Ion:	202	Resp:	1572947
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	31.8
203	17.9	0.0	38.4





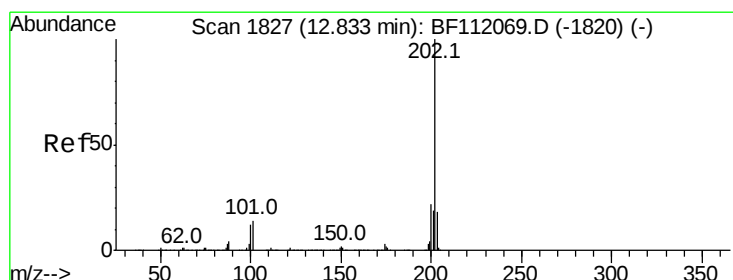
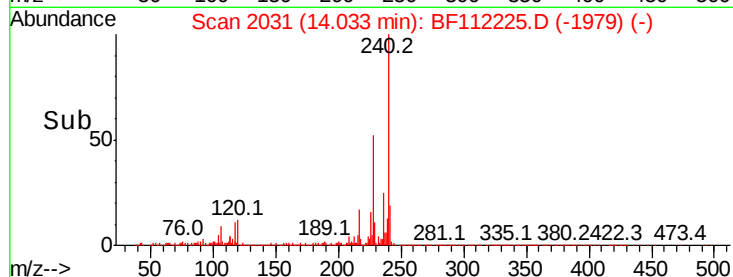
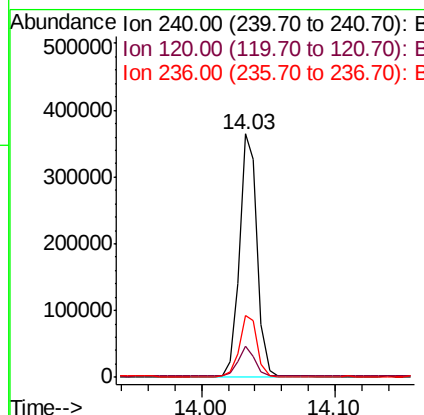
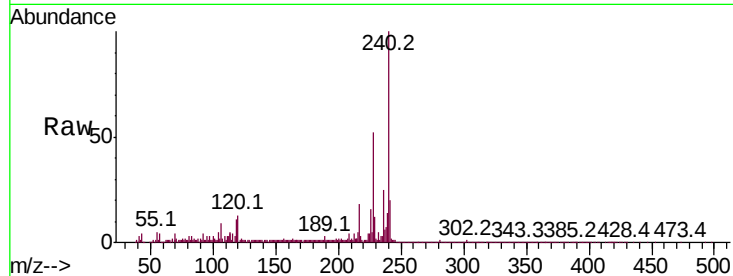
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BF112225.D
Acq: 24 Jan 2019 22:46

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-1-012319DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.0	13.6
236	25.4	20.7	31.1

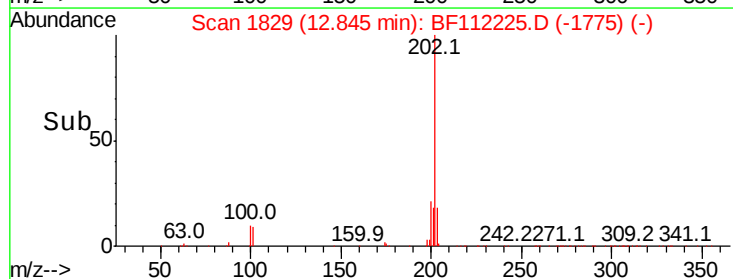
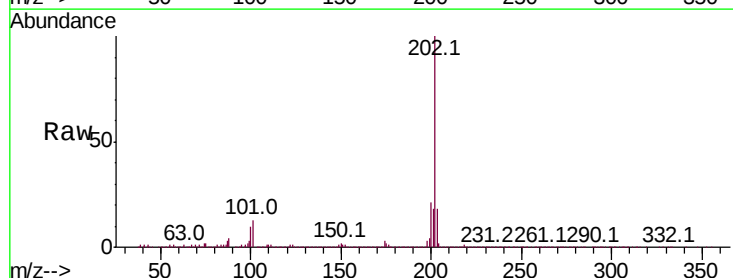
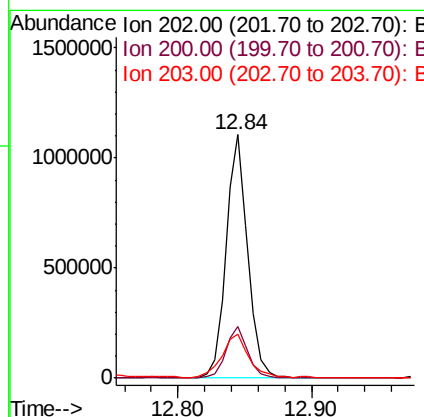
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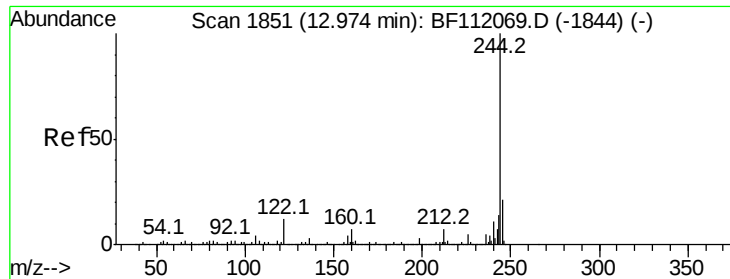
Sohil
1/25/2019 10:05:33 AM



#78
Pyrene
Concen: 56.212 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.02 min
Lab File: BF112225.D
Acq: 24 Jan 2019 22:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	18.0	14.6	22.0





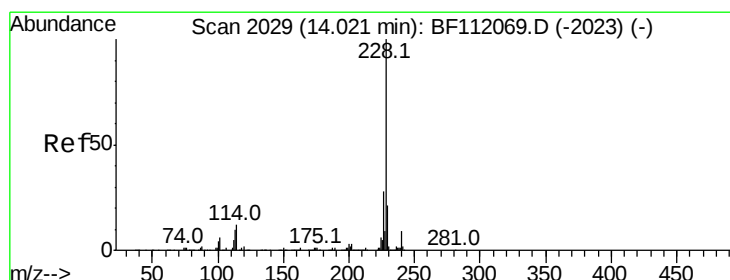
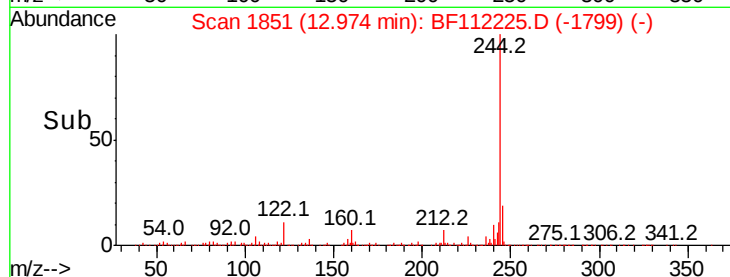
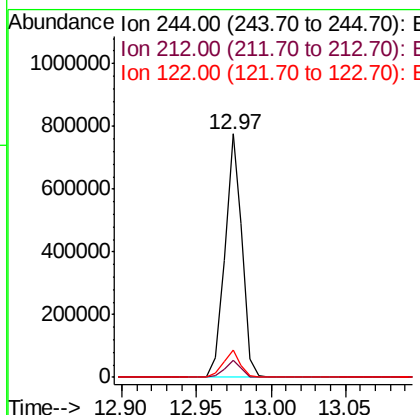
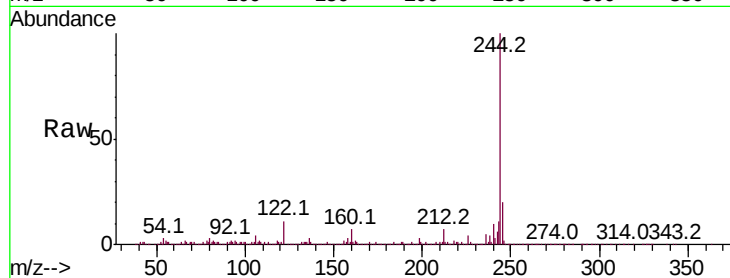
#79
 Terphenyl-d14
 Concen: 39.844 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. 0.01 min
 Lab File: BF112225.D
 Acq: 24 Jan 2019 22:46

Instrument :
 BNA_F
 ClientSampleID :
 TR-05-RO-1-012319DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	11.2	9.8	14.6

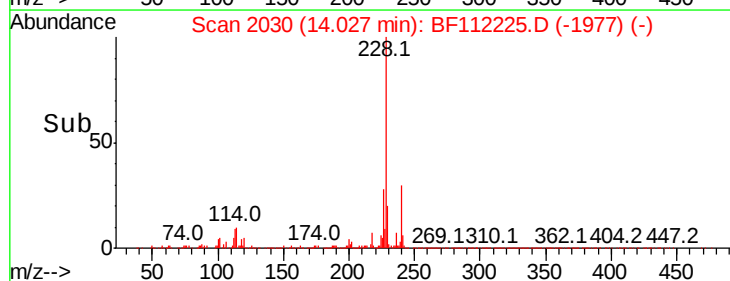
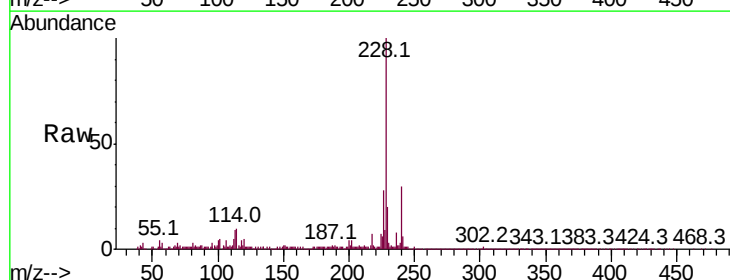
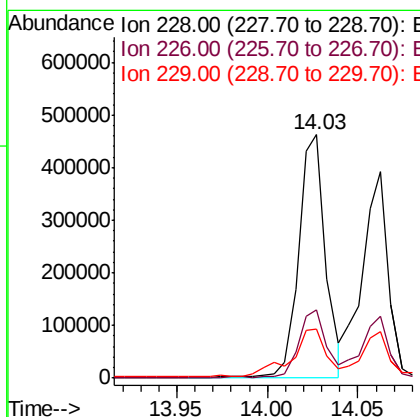
Manual Integrations
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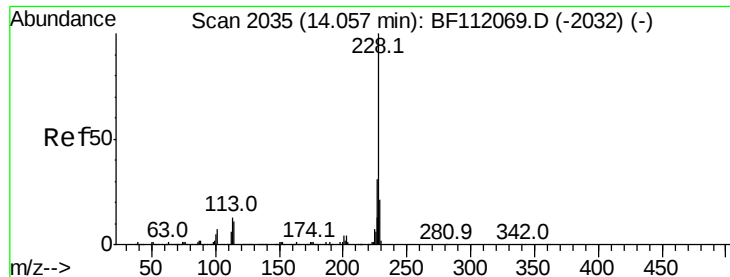
Sohil
 1/25/2019 10:05:33 AM



#81
 Benzo(a)anthracene
 Concen: 24.862 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.01 min
 Lab File: BF112225.D
 Acq: 24 Jan 2019 22:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	34.0
229	20.3	16.5	24.7





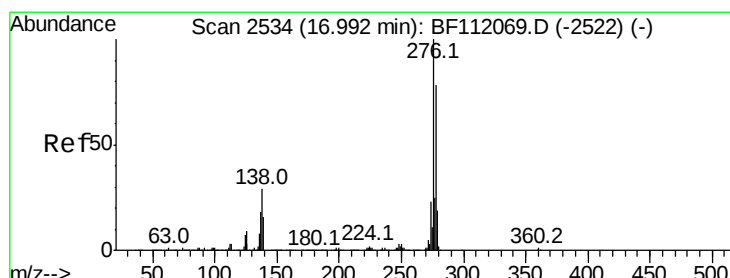
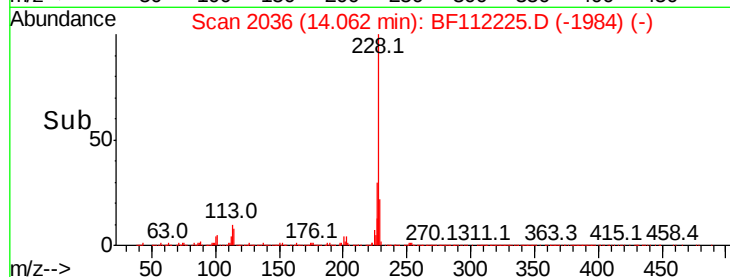
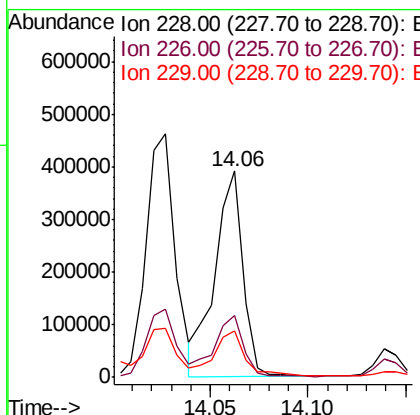
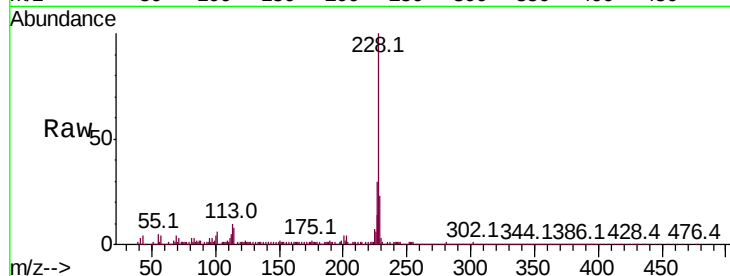
#83
Chrysene
Concen: 21.425 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BF112225.D
Acq: 24 Jan 2019 22:46

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-1-012319DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	22.7	16.6	24.8

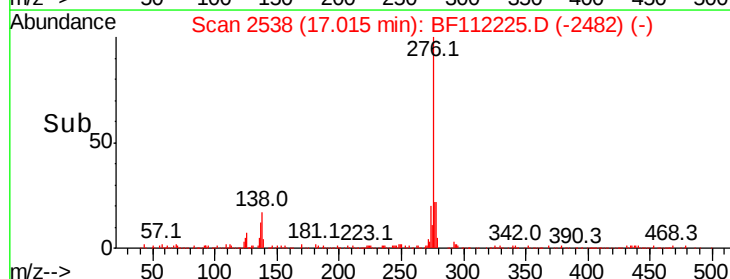
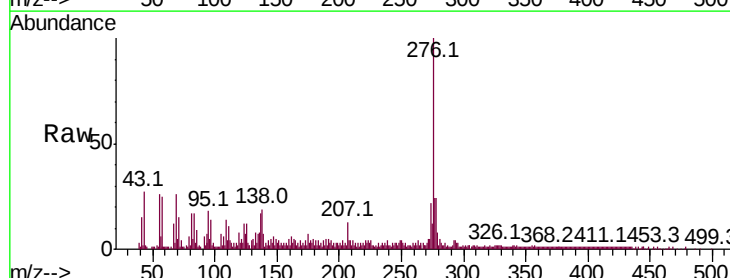
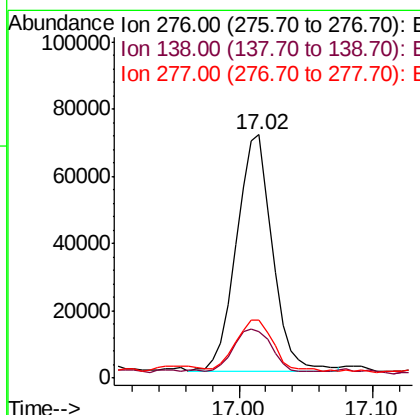
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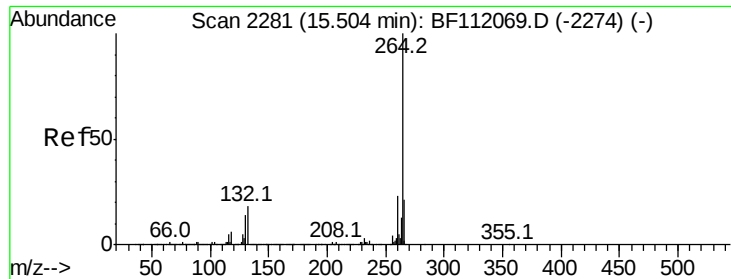
Sohil
1/25/2019 10:05:33 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 7.791 ng
RT: 17.02 min Scan# 2538
Delta R.T. 0.03 min
Lab File: BF112225.D
Acq: 24 Jan 2019 22:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.6	22.6	34.0#
277	23.2	20.3	30.5





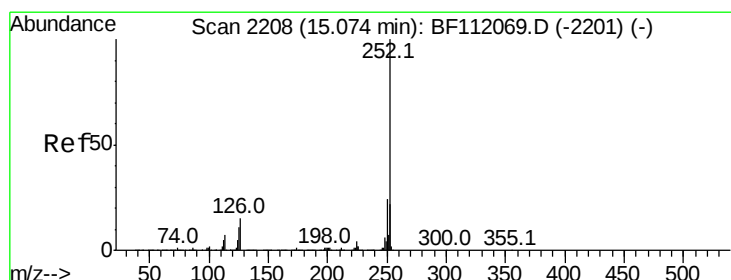
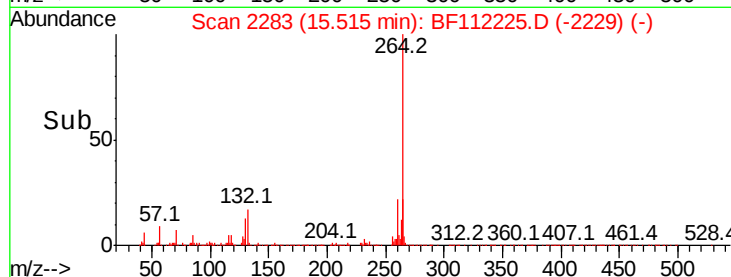
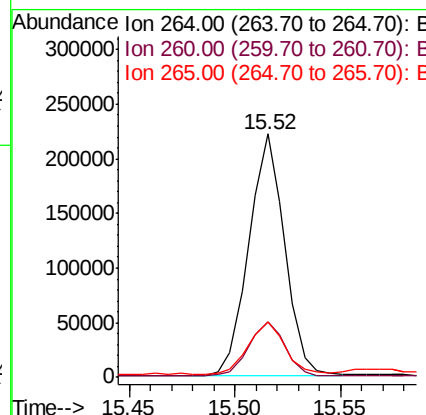
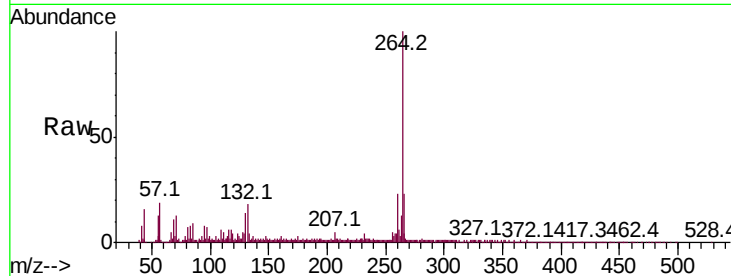
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.02 min
Lab File: BF112225.D
Acq: 24 Jan 2019 22:46

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-1-012319DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.2	27.2
265	22.9	17.0	25.4

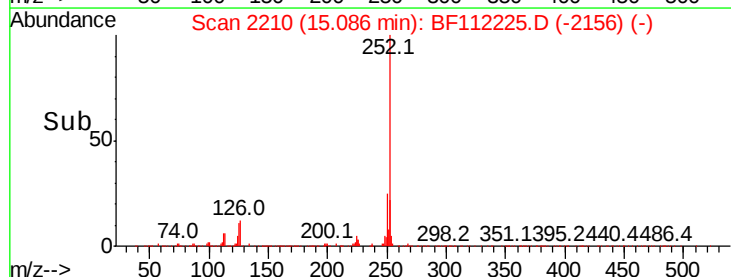
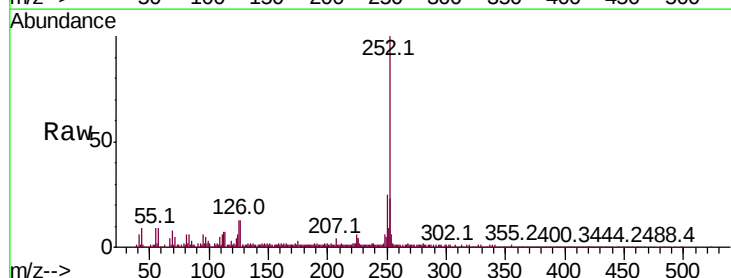
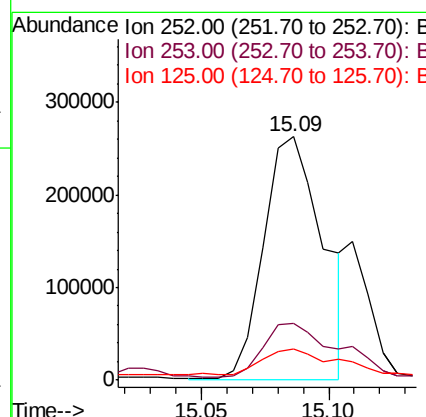
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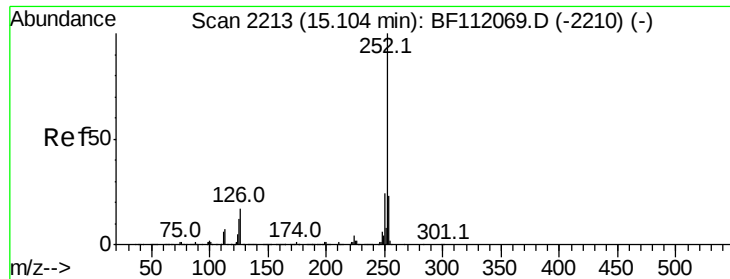
Sohil
1/25/2019 10:05:33 AM



#88
Benzo(b)fluoranthene
Concen: 28.802 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.02 min
Lab File: BF112225.D
Acq: 24 Jan 2019 22:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	12.7	8.7	13.1





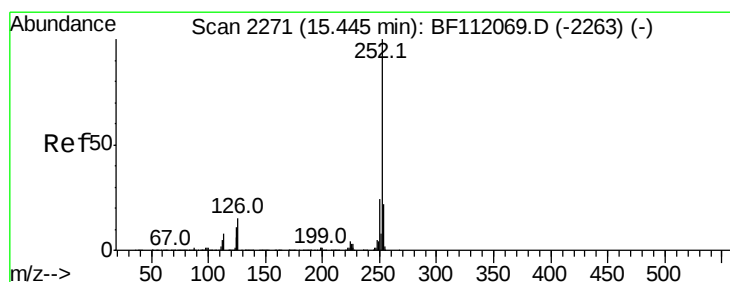
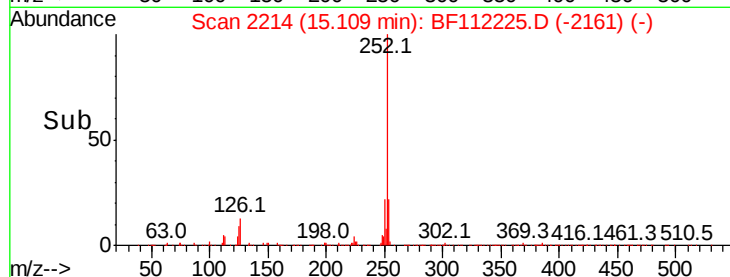
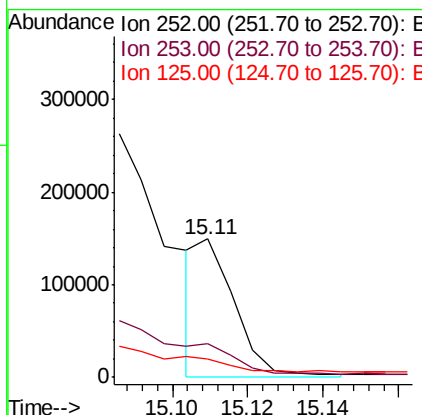
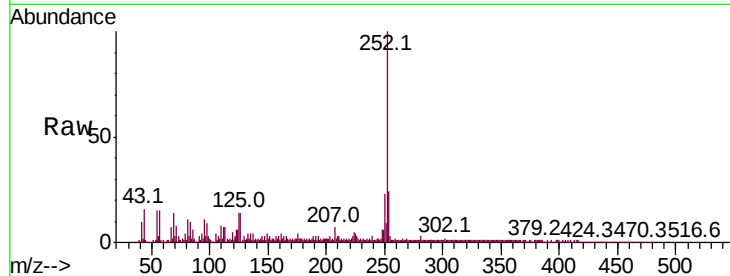
#89
Benzo(k)fluoranthene
Concen: 7.129 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF112225.D
Acq: 24 Jan 2019 22:46

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-1-012319DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	13.5	9.1	13.7

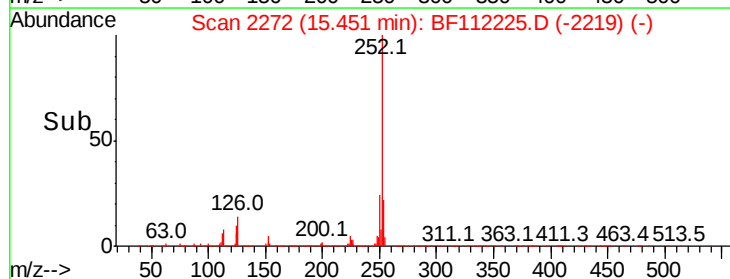
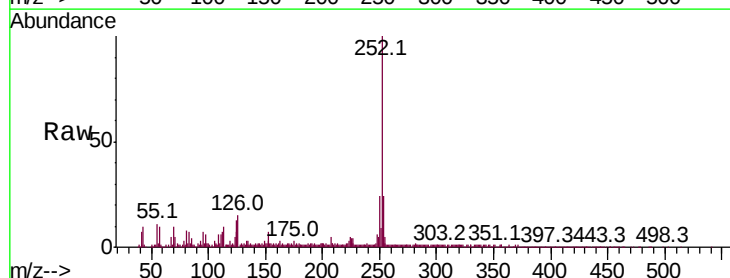
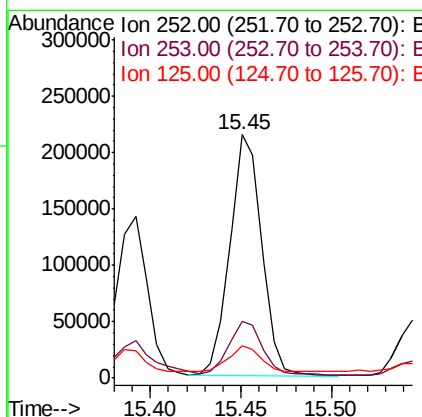
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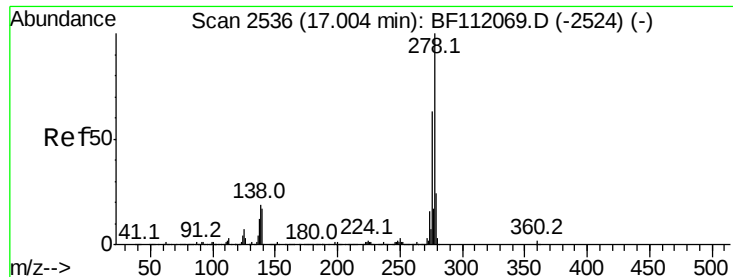
Sohil
1/25/2019 10:05:33 AM



#90
Benzo(a)pyrene
Concen: 19.273 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF112225.D
Acq: 24 Jan 2019 22:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	13.2	9.0	13.4





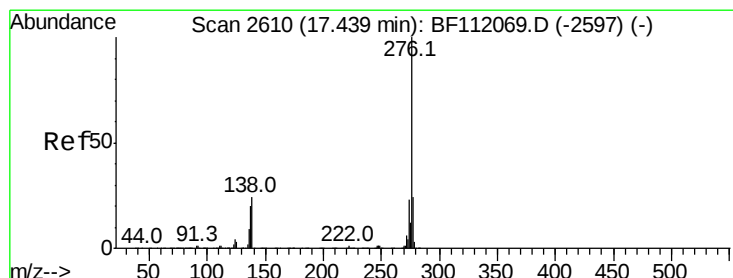
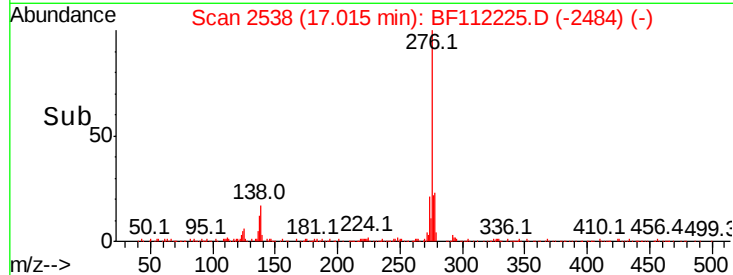
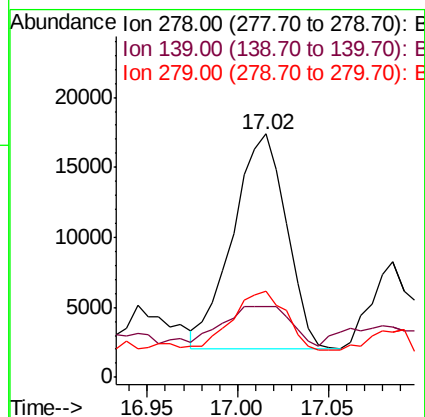
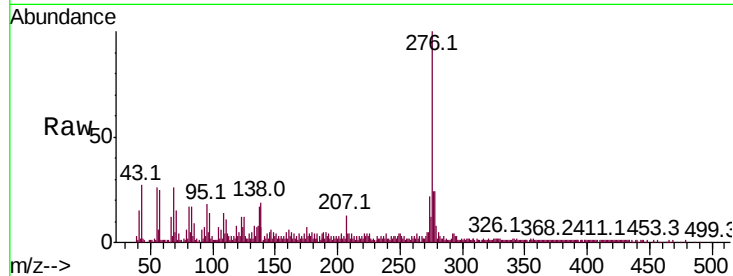
#91
Dibenzo(a,h)anthracene
Concen: 2.628 ng
RT: 17.02 min Scan# 2538
Delta R.T. 0.02 min
Lab File: BF112225.D
Acq: 24 Jan 2019 22:46

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-1-012319DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.3	13.7	20.5#
279	35.2	19.0	28.6#

Manual Integrations
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1/25/2019 10:05:33 AM



#92
Benzo(g,h,i)perylene
Concen: 10.399 ng
RT: 17.46 min Scan# 2614
Delta R.T. 0.04 min
Lab File: BF112225.D
Acq: 24 Jan 2019 22:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.3	19.4	29.0
138	24.7	19.1	28.7

