

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030819\
 Data File : BF112952.D
 Acq On : 8 Mar 2019 22:56
 Operator : JU/SJ
 Sample : K1693-03RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-030719-BRE

Manual Integrations
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 3/11/2019 9:32:25 AM

Quant Time: Mar 09 00:26:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	196231	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	743408	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	353533	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	646133	20.00	ng	0.00
76) Chrysene-d12	13.86	240	492038	20.00	ng	-0.01
87) Perylene-d12	15.27	264	502914	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	577382	45.77	ng	-0.01
7) Phenol-d6	6.36	99	768654	48.51	ng	0.00
23) Nitrobenzene-d5	7.29	82	439915	35.41	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	210847	56.18	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	840140	33.31	ng	-0.01
79) Terphenyl-d14	12.82	244	720543	28.39	ng	-0.01
Target Compounds						
37) 2-Methylnaphthalene	8.72	142	53448	2.242	ng	99
49) Acenaphthylene	9.62	152	88446	2.314	ng	99
50) Dimethylphthalate	9.48	163	63715	2.444	ng	# 97
71) Phenanthrene	11.26	178	217378	6.762	ng	97
75) Fluoranthene	12.45	202	279474	8.114	ng	97
78) Pyrene	12.67	202	390737	9.420	ng	99
81) Benzo(a)anthracene	13.85	228	152107	4.460	ng	# 81
83) Chrysene	13.89	228	165324	4.949	ng	95
86) Indeno(1,2,3-cd)pyrene	16.63	276	63236	2.221	ng	# 92
88) Benzo(b)fluoranthene	14.87	252	158470m	4.872	ng	
89) Benzo(k)fluoranthene	14.89	252	60486m	2.053	ng	
90) Benzo(a)pyrene	15.21	252	135641	4.714	ng	97
92) Benzo(g,h,i)perylene	17.03	276	70575	2.863	ng	96

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

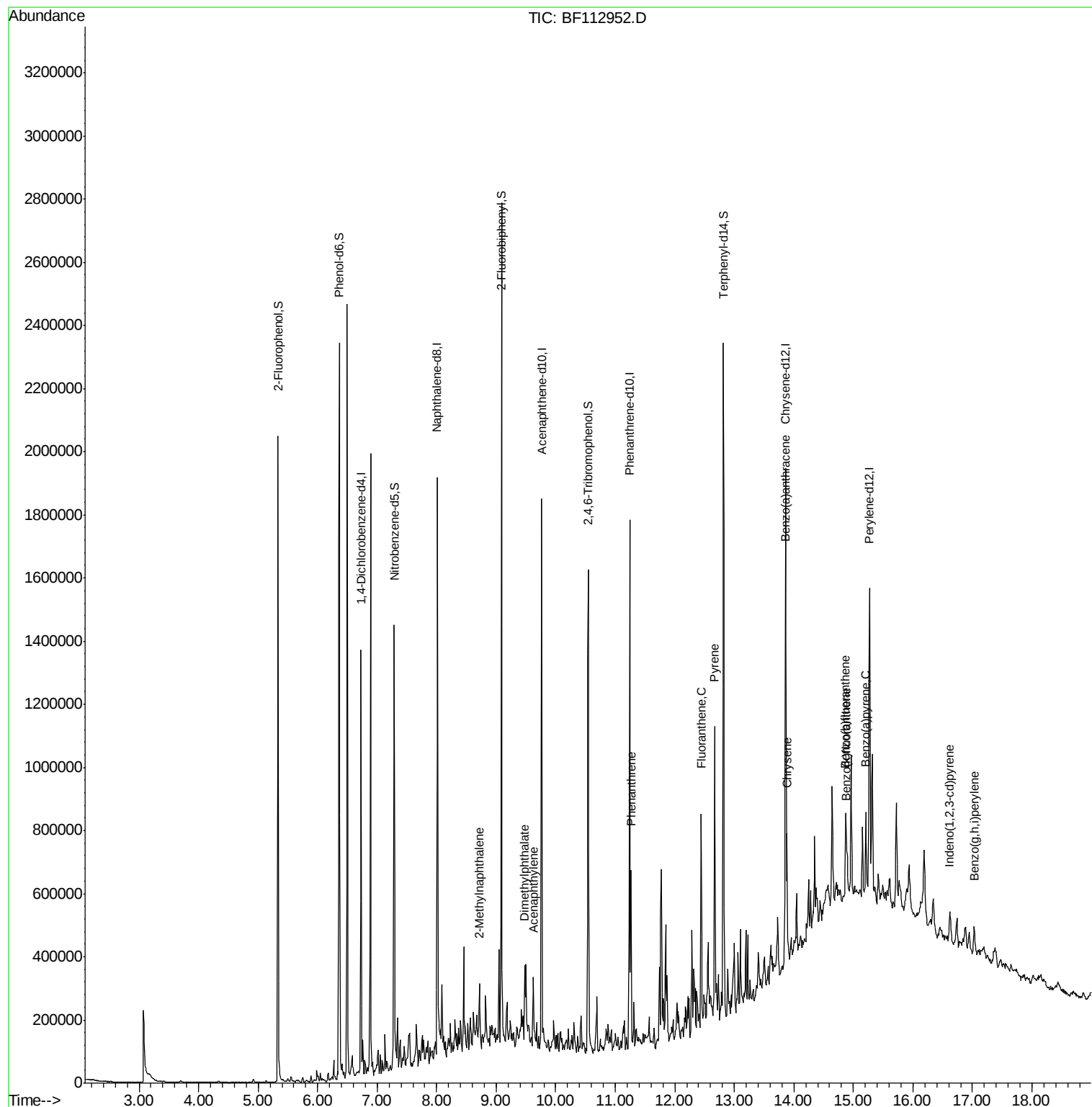
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030819\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.73 min Scan# 789

Delta R.T. -0.01 min

Lab File: BF112952.D

Acq: 8 Mar 2019 22:56

Instrument :

BNA_F

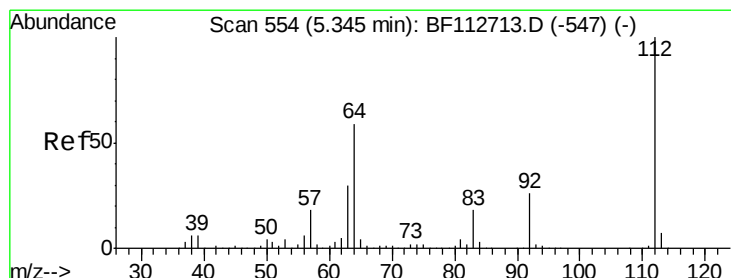
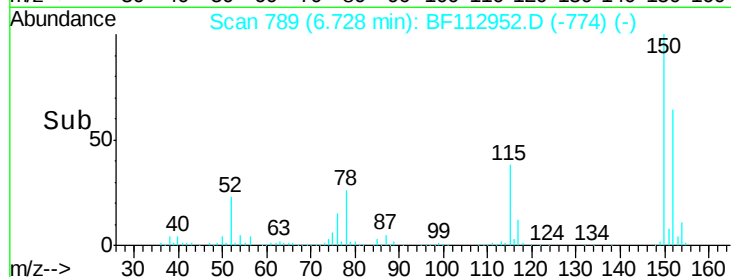
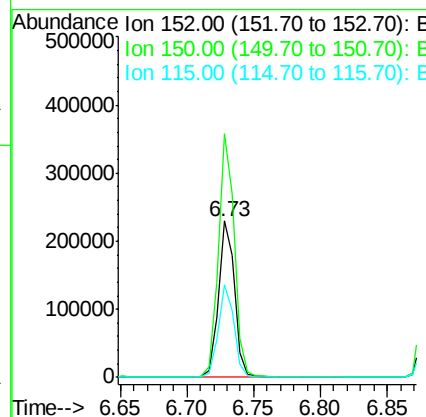
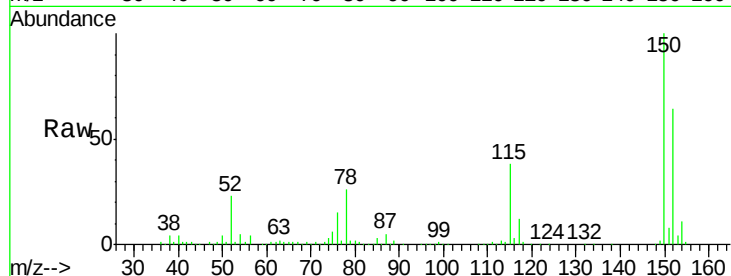
ClientSampleId :

OR-01-030719-BRE

Tgt Ion:	152	Resp:	196231
Ion Ratio	Lower	Upper	
152	100		
150	155.6	124.2	186.2
115	59.3	48.2	72.4

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#5

2-Fluorophenol

Concen: 45.770 ng

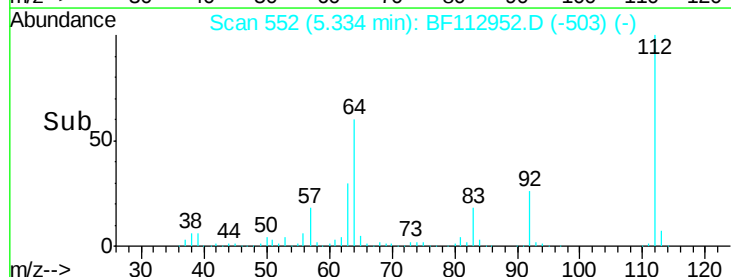
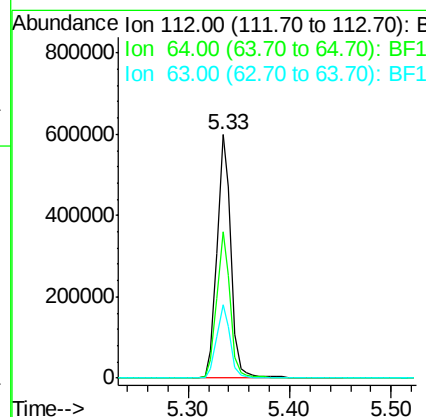
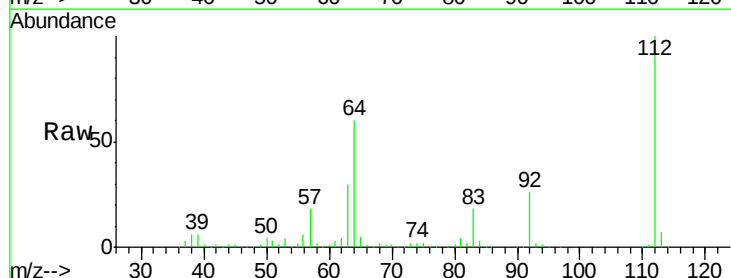
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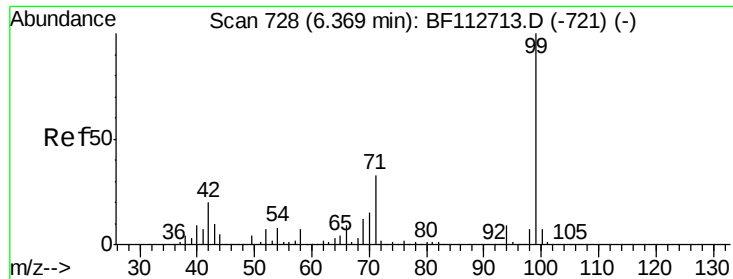
Delta R.T. -0.01 min

Lab File: BF112952.D

Acq: 8 Mar 2019 22:56

Tgt Ion:	112	Resp:	577382
Ion Ratio	Lower	Upper	
112	100		
64	60.1	47.6	71.4
63	30.1	24.4	36.6





#7

Phenol-d6

Concen: 48.506 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112952.D

Acq: 8 Mar 2019 22:56

Instrument :

BNA_F

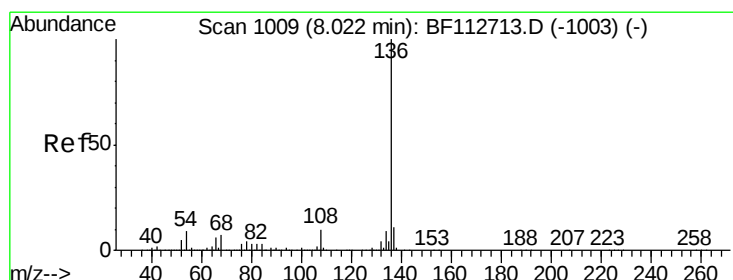
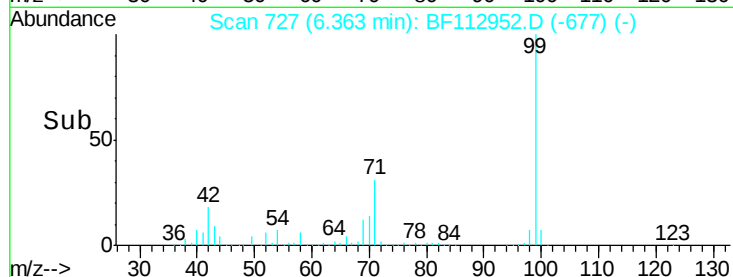
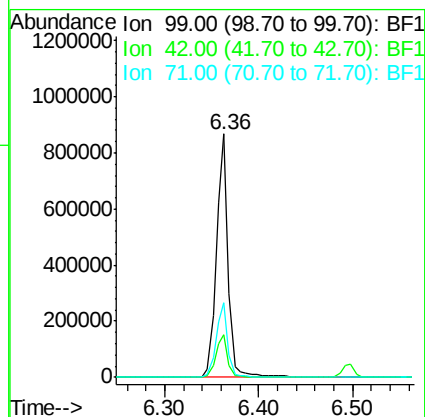
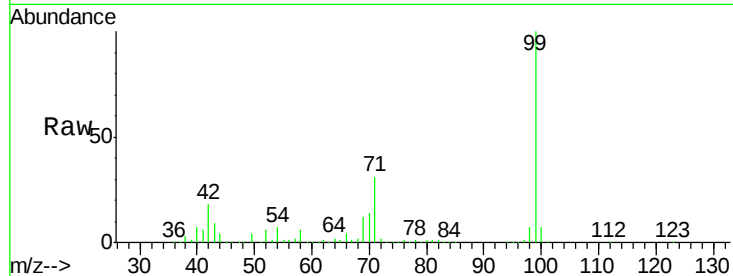
ClientSampleId :

OR-01-030719-BRE

Tgt Ion:	99	Resp:	768654
Ion Ratio	Lower	Upper	
99	100		
42	17.6	16.3	24.5
71	30.5	26.2	39.4

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#21

Naphthalene-d8

Concen: 20.000 ng

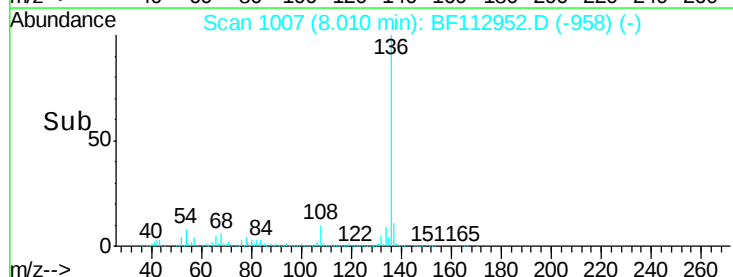
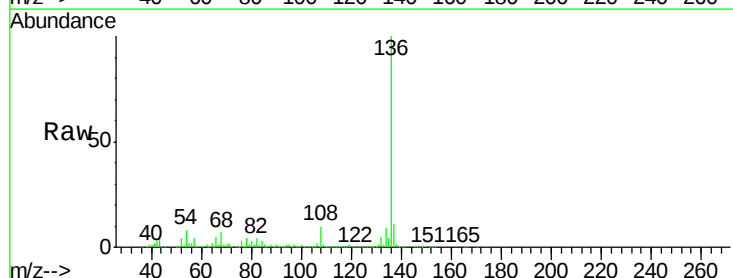
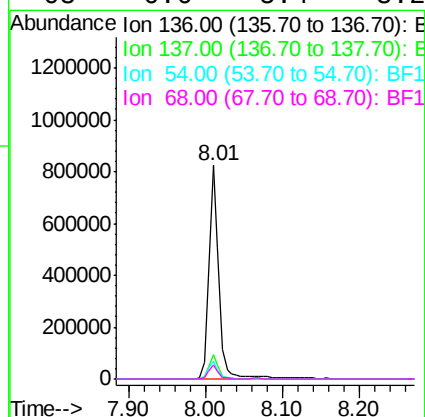
RT: 8.01 min Scan# 1007

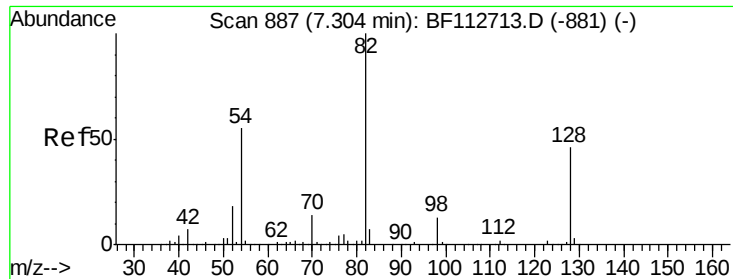
Delta R.T. -0.01 min

Lab File: BF112952.D

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Tgt Ion:	136	Resp:	743408
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	8.4	7.3	10.9
68	6.6	5.4	8.2





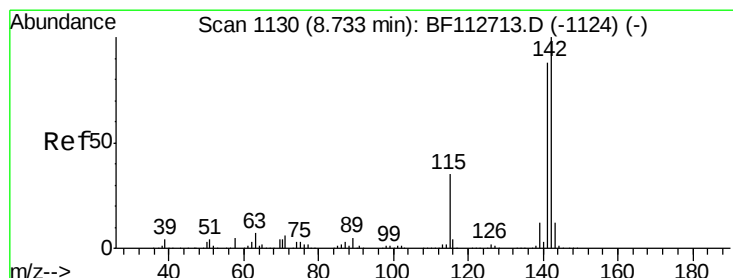
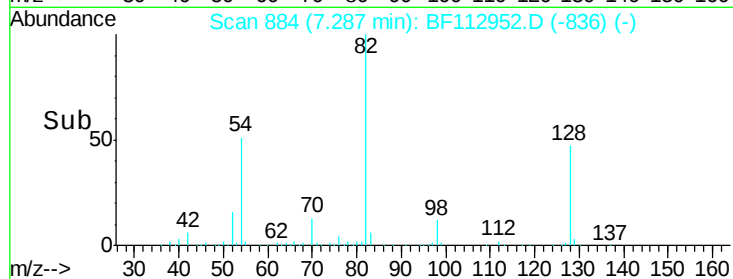
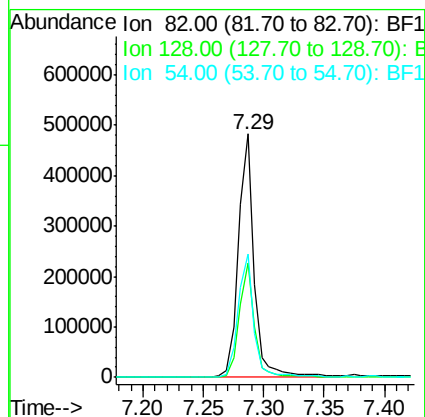
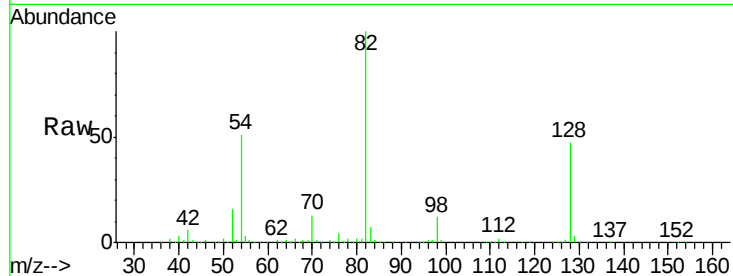
#23
Nitrobenzene-d5
Concen: 35.409 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112952.D
Acq: 8 Mar 2019 22:56

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.3	54.5
54	50.6	43.7	65.5

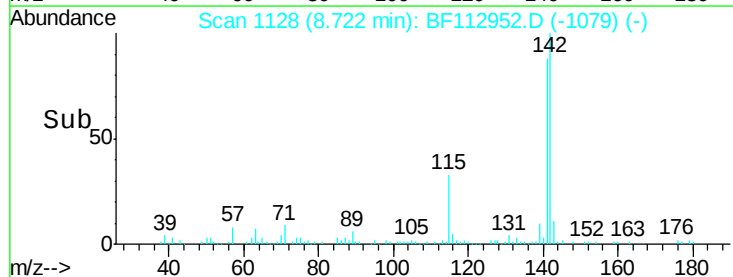
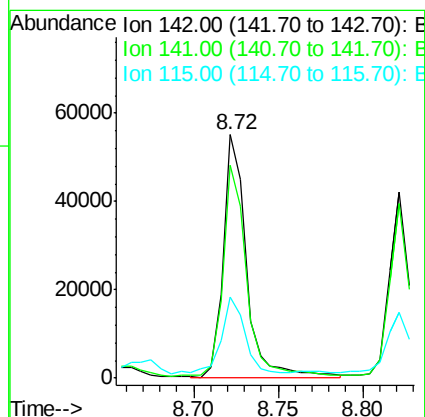
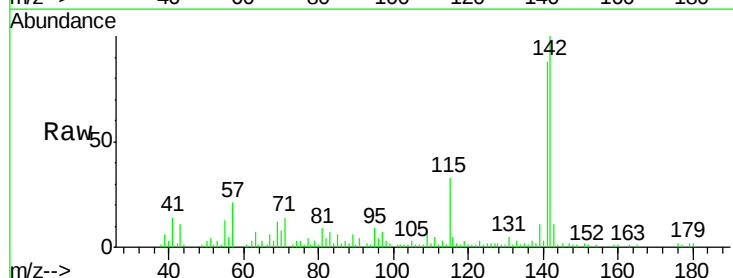
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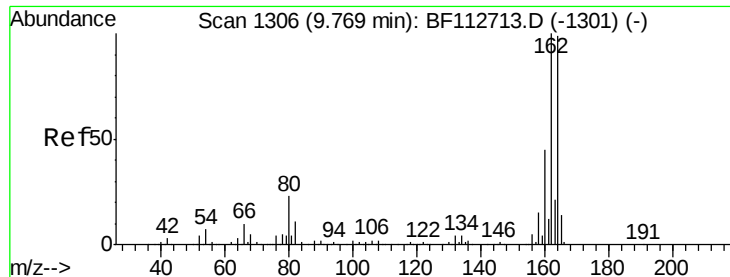
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#37
2-Methylnaphthalene
Concen: 2.242 ng
RT: 8.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF112952.D
Acq: 8 Mar 2019 22:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.3	105.5
115	33.2	27.8	41.6





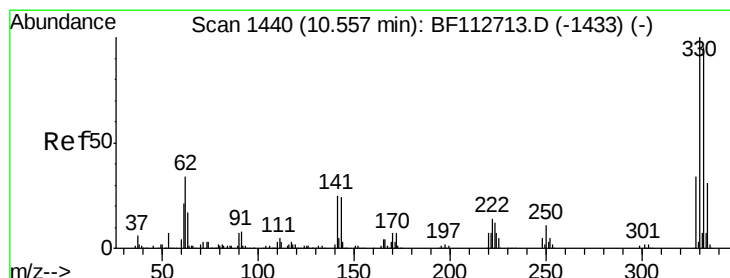
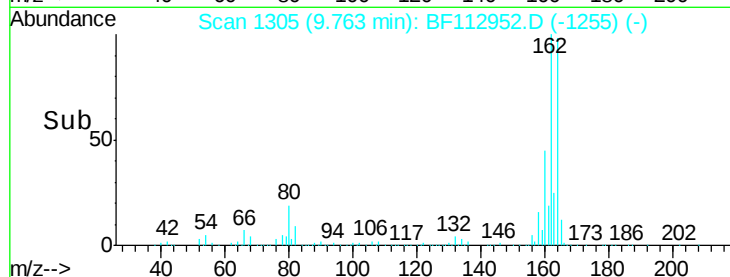
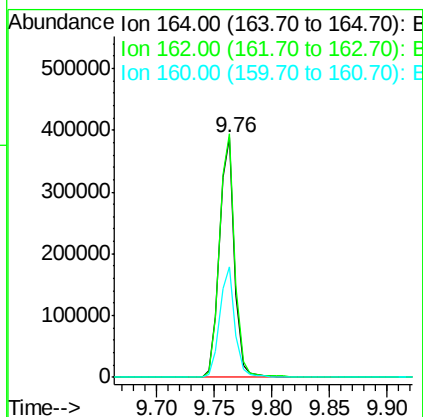
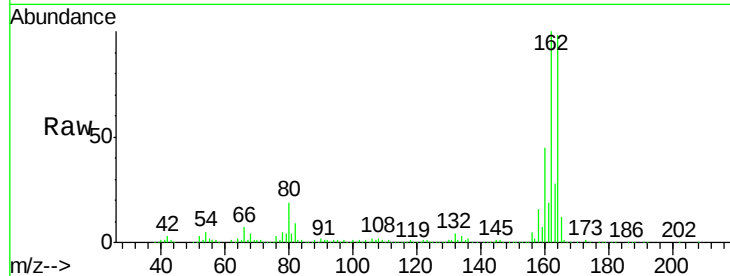
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112952.D
Acq: 8 Mar 2019 22:56

Instrument :
BNA_F
ClientSampleId :
OR-01-030719-BRE

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	353533		
162	101.7	80.6	120.8	
160	46.0	36.0	54.0	

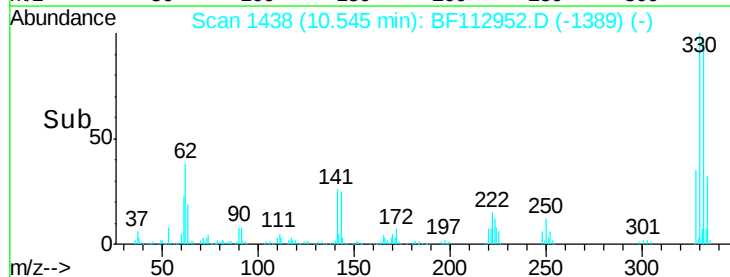
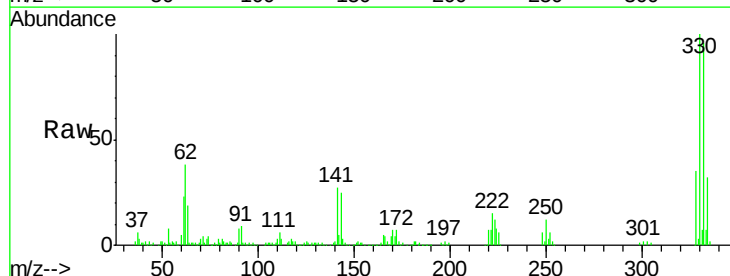
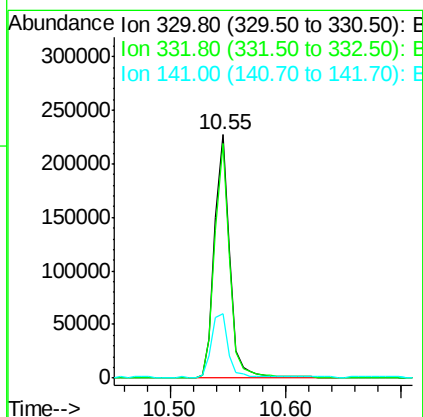
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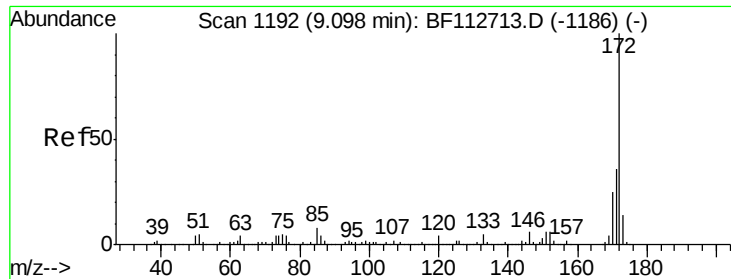
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#42
2,4,6-Tribromophenol
Concen: 56.178 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF112952.D
Acq: 8 Mar 2019 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	210847		
332	95.5	76.2	114.4	
141	29.7	27.0	40.6	





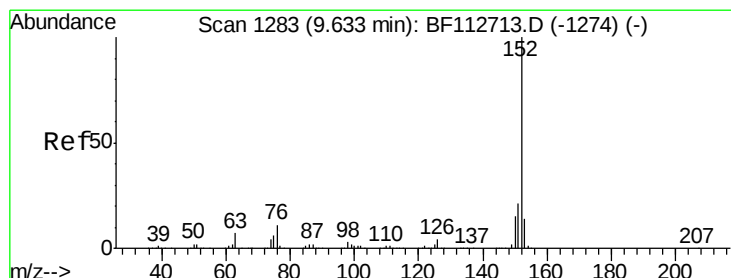
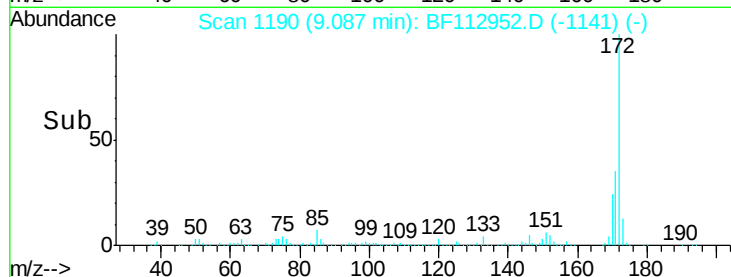
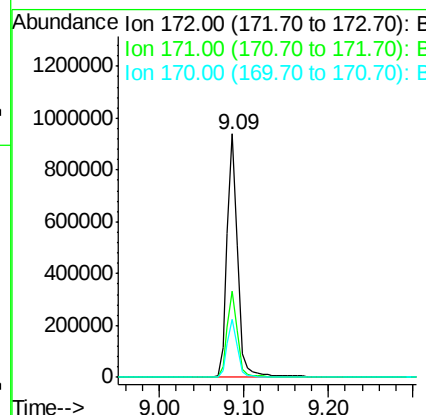
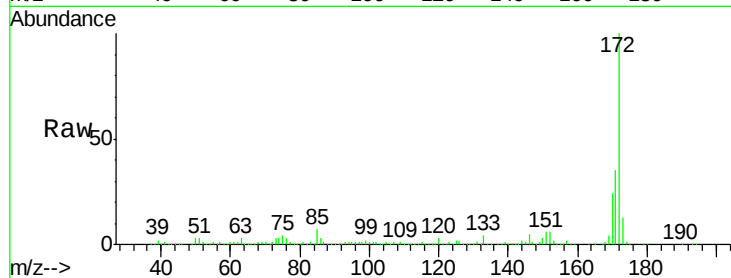
#45
 2-Fluorobiphenyl
 Concen: 33.309 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112952.D
 Acq: 8 Mar 2019 22:56

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-030719-BRE

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	840140		
171	35.2	29.0	43.4	
170	24.1	20.0	30.0	

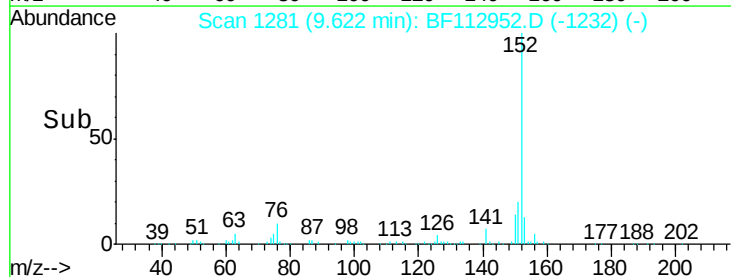
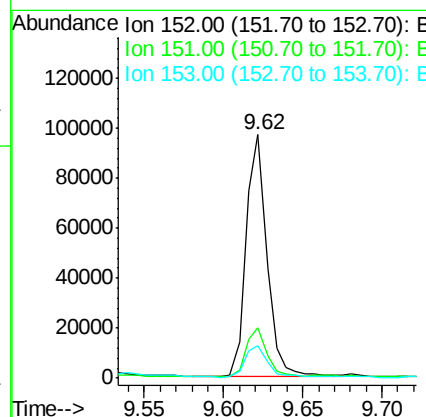
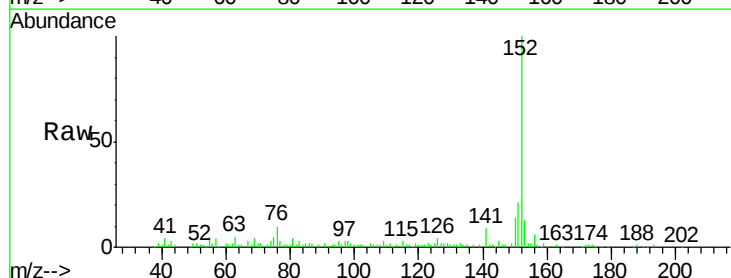
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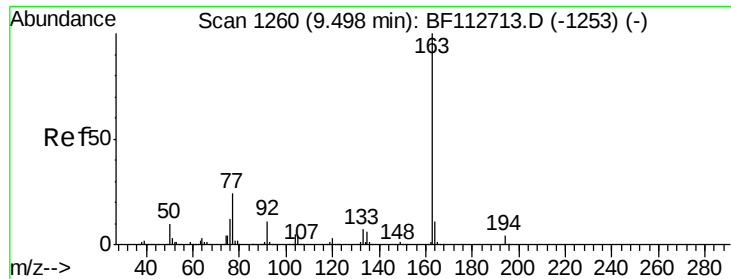
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#49
 Acenaphthylene
 Concen: 2.314 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: BF112952.D
 Acq: 8 Mar 2019 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	88446		
151	20.8	16.9	25.3	
153	13.4	11.0	16.6	





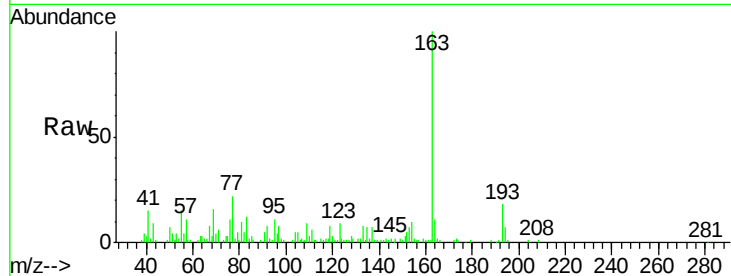
#50
Dimethylphthalate
Concen: 2.444 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112952.D
Acq: 8 Mar 2019 22:56

Instrument :
BNA_F
ClientSampleId :
OR-01-030719-BRE

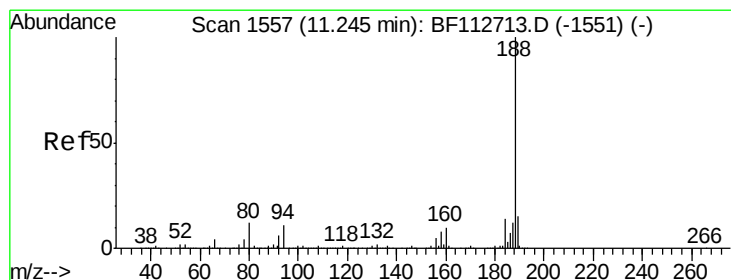
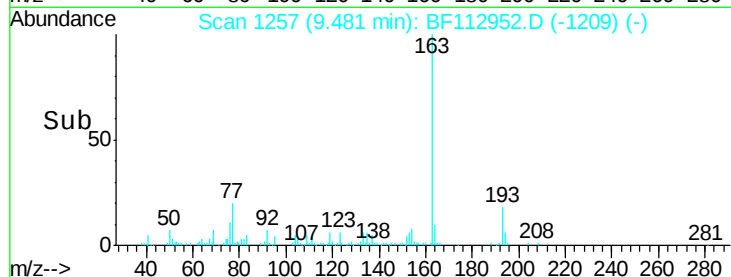
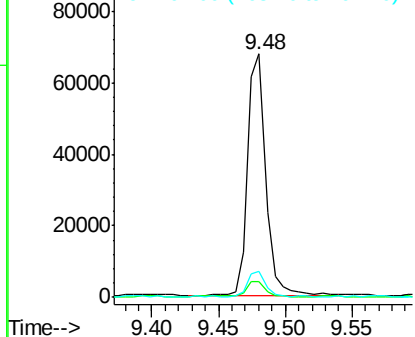
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	63715		
194	6.6	3.0	4.4#	
164	10.7	8.4	12.6	

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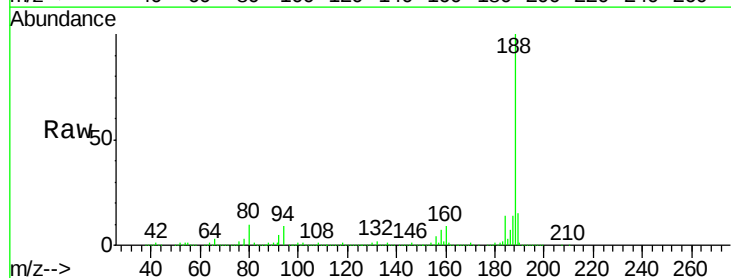


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

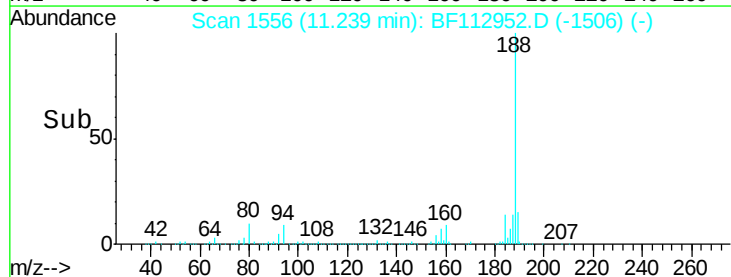
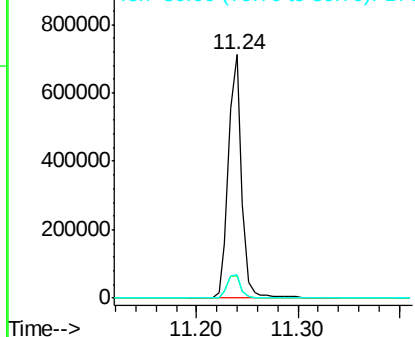


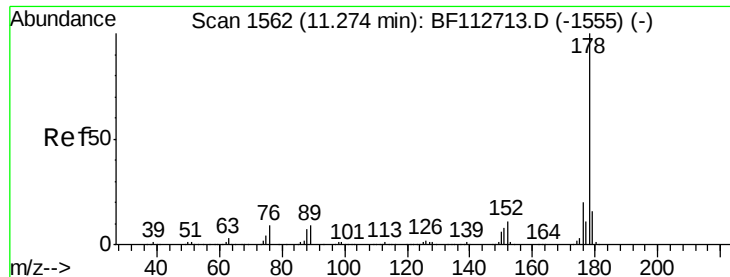
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112952.D
Acq: 8 Mar 2019 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	646133		
94	9.3	9.0	13.4	
80	9.7	9.2	13.8	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





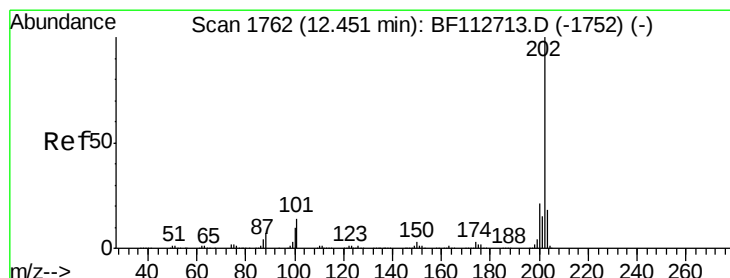
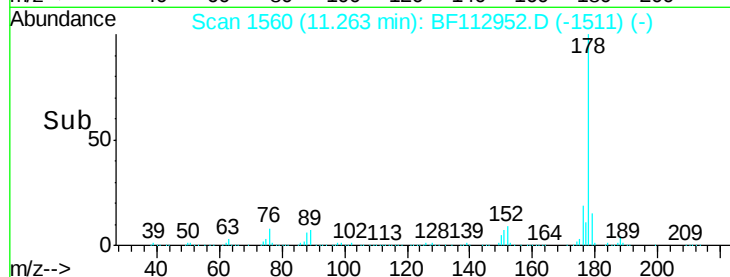
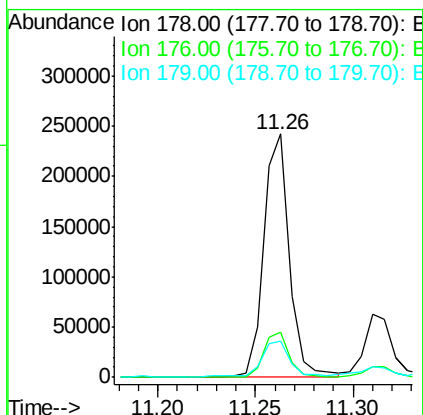
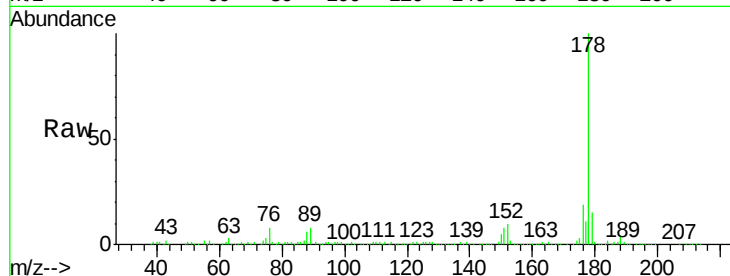
#71
Phenanthrene
Concen: 6.762 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112952.D
Acq: 8 Mar 2019 22:56

Instrument :
BNA_F
ClientSampleId :
OR-01-030719-BRE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.3	24.5
179	15.1	12.7	19.1

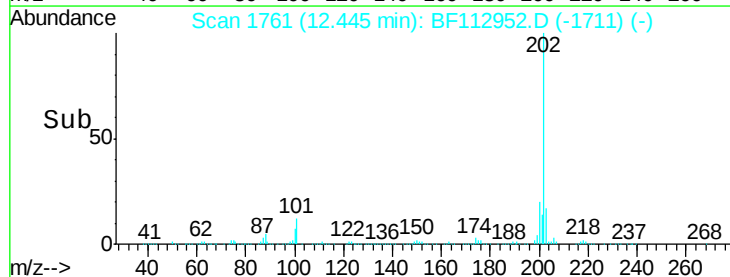
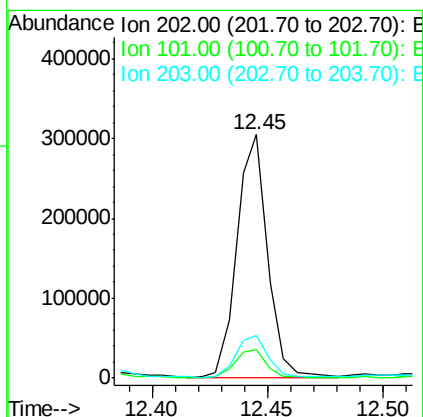
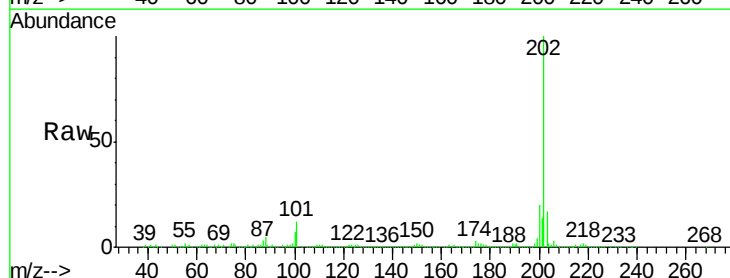
Manual Integrations
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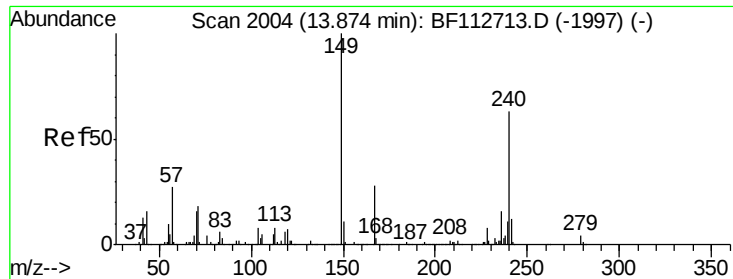
Sohil
3/11/2019 9:32:25 AM



#75
Fluoranthene
Concen: 8.114 ng
RT: 12.45 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF112952.D
Acq: 8 Mar 2019 22:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	33.8
203	17.5	0.0	38.4





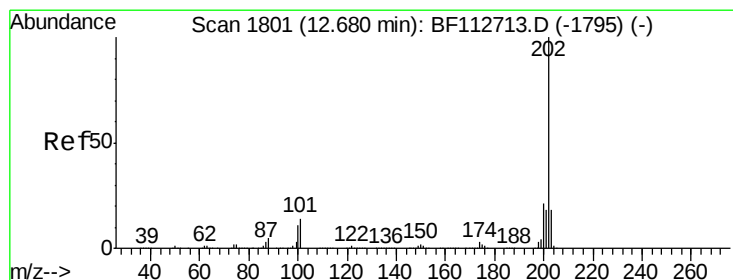
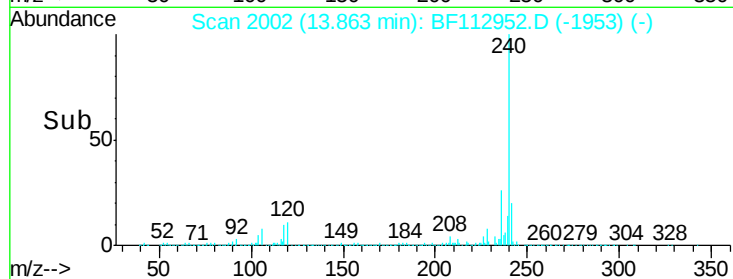
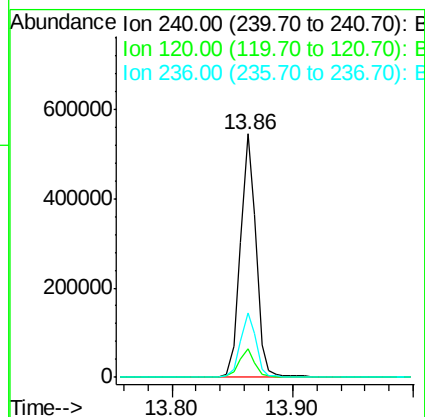
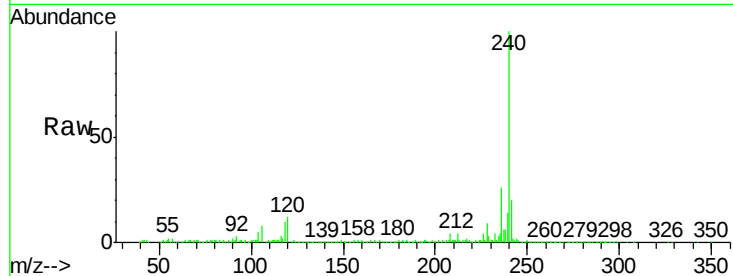
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF112952.D
Acq: 8 Mar 2019 22:56

Instrument :
BNA_F
ClientSampleId :
OR-01-030719-BRE

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	492038		
120	11.6	8.9	13.3	
236	26.3	20.7	31.1	

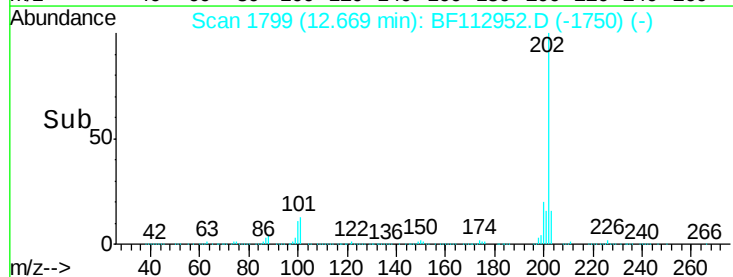
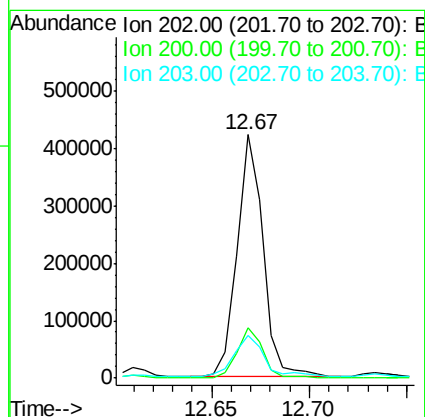
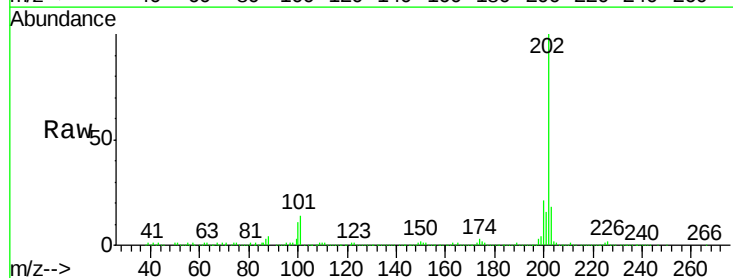
Manual Integrations
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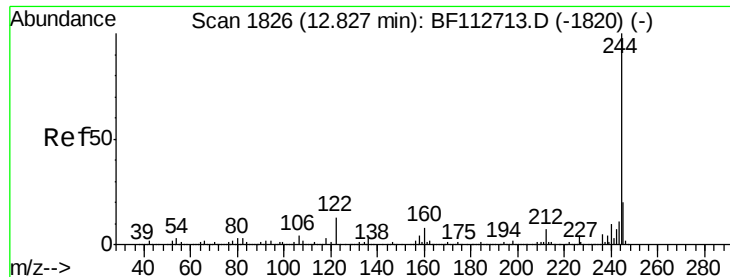
Sohil
3/11/2019 9:32:25 AM



#78
Pyrene
Concen: 9.420 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112952.D
Acq: 8 Mar 2019 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	390737		
200	20.6	17.0	25.4	
203	17.7	14.4	21.6	





#79

Terphenyl-d14

Concen: 28.387 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF112952.D

Acq: 8 Mar 2019 22:56

Instrument :

BNA_F

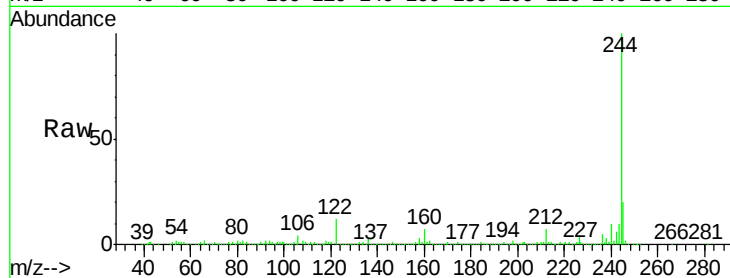
ClientSampleId :

OR-01-030719-BRE

Tgt Ion:	244	Resp:	720543
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.6	8.4
122	11.6	10.5	15.7

Manual Integrations
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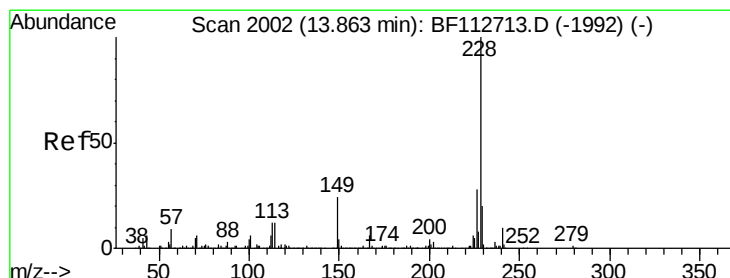
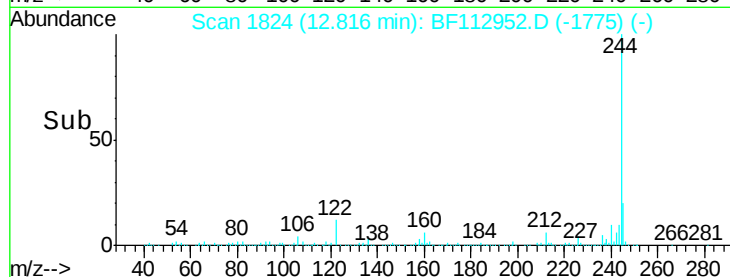
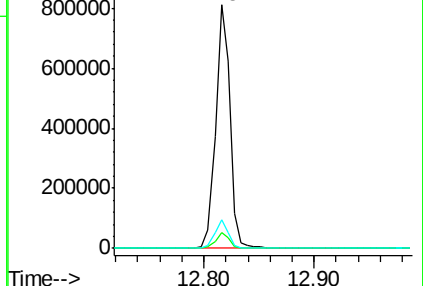
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.460 ng

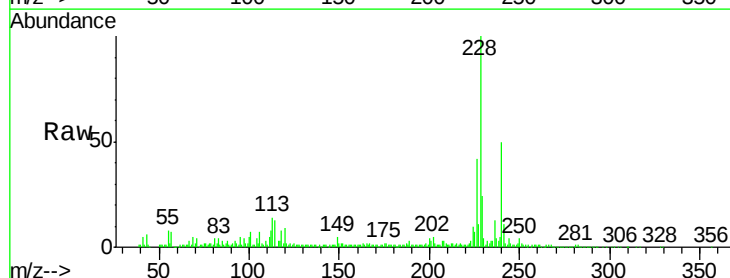
RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF112952.D

Acq: 8 Mar 2019 22:56

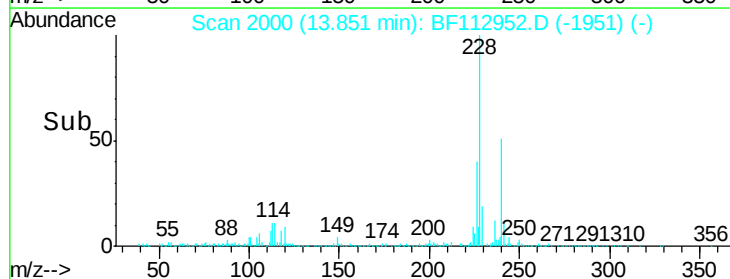
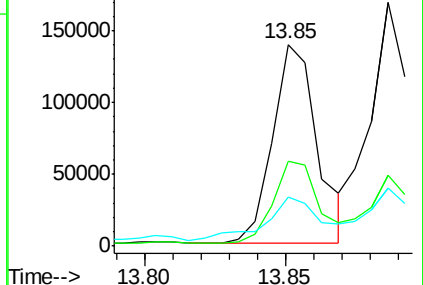
Tgt Ion:	228	Resp:	152107
Ion Ratio	Lower	Upper	
228	100		
226	41.9	22.2	33.4#
229	24.0	16.0	24.0#

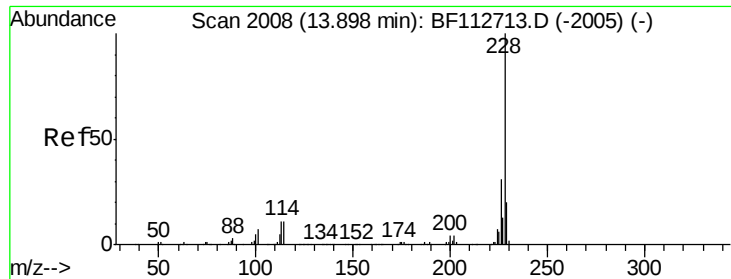


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





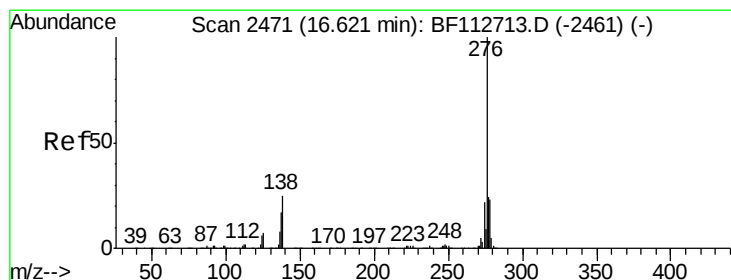
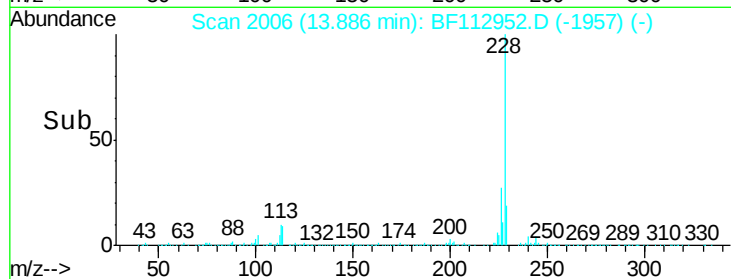
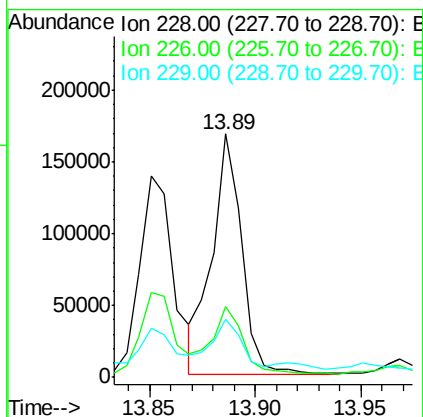
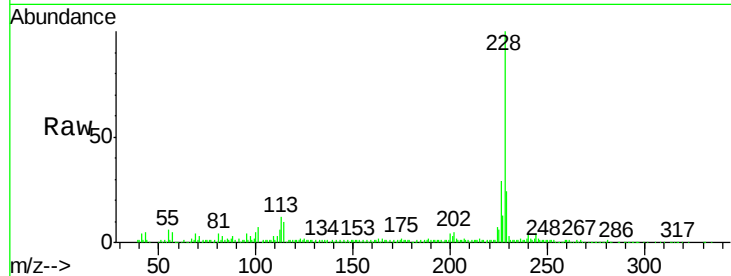
#83
Chrysene
Concen: 4.949 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF112952.D
Acq: 8 Mar 2019 22:56

Instrument :
BNA_F
ClientSampleId :
OR-01-030719-BRE

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	165324		
226	29.3	24.9	37.3	
229	24.1	16.3	24.5	

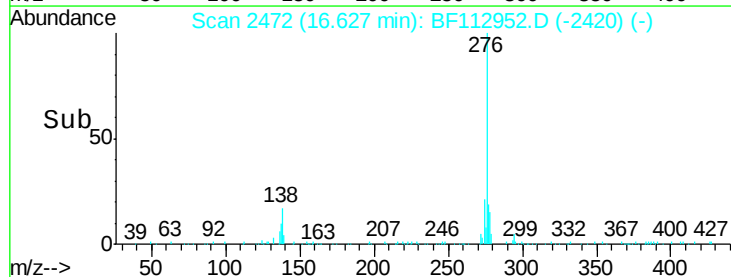
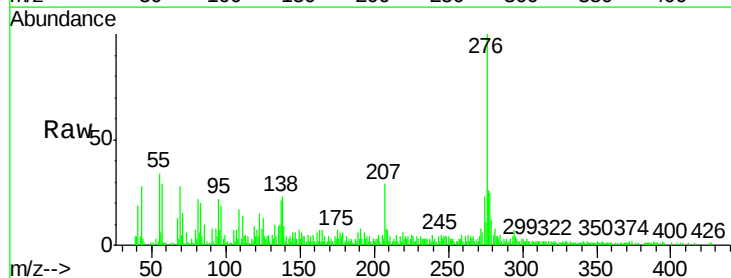
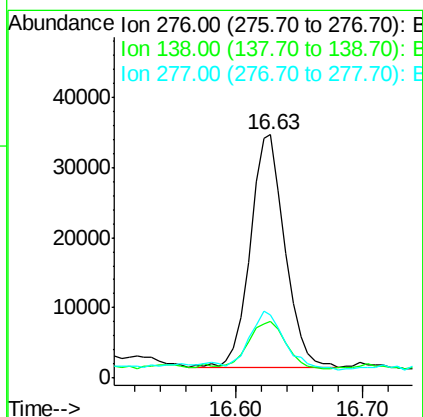
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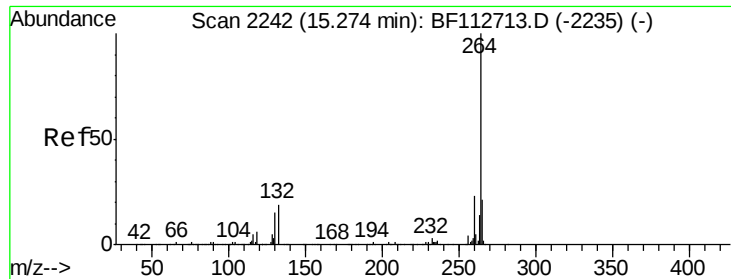
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3/11/2019 9:32:25 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.221 ng
RT: 16.63 min Scan# 2472
Delta R.T. 0.01 min
Lab File: BF112952.D
Acq: 8 Mar 2019 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	63236		
138	22.0	23.2	34.8#	
277	25.4	19.9	29.9	





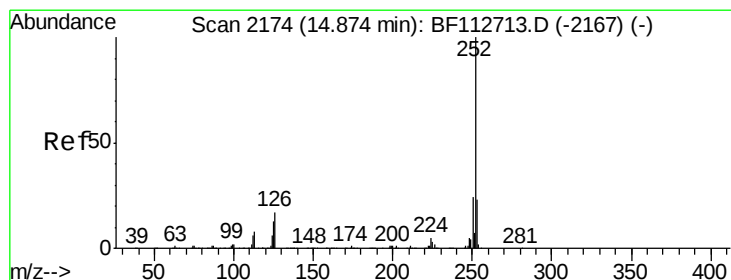
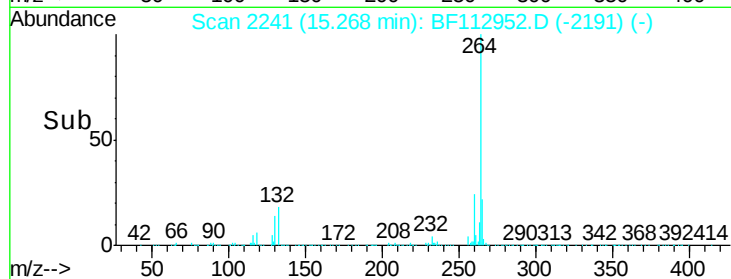
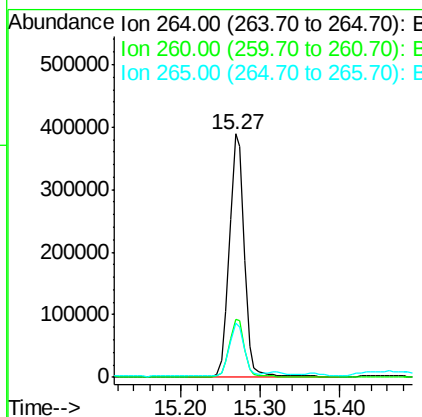
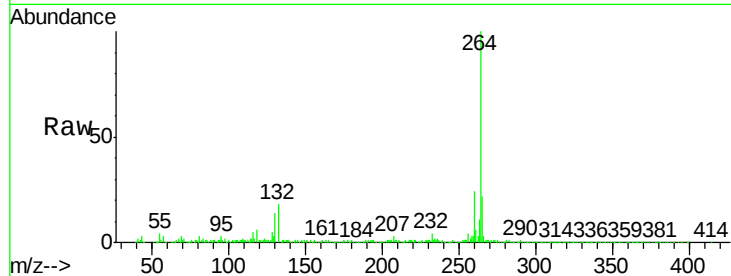
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF112952.D
Acq: 8 Mar 2019 22:56

Instrument :
BNA_F
ClientSampleId :
OR-01-030719-BRE

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	22.2	17.2	25.8

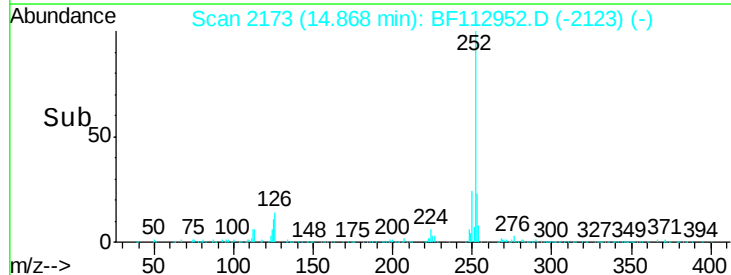
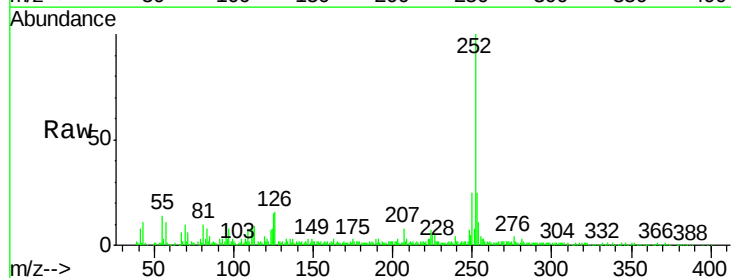
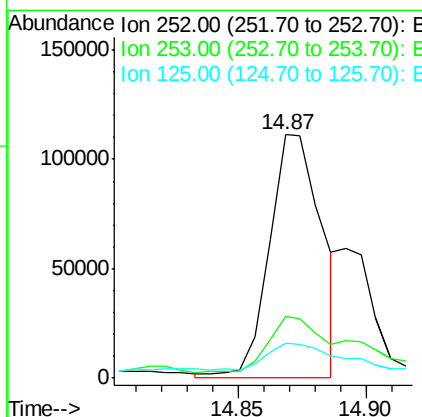
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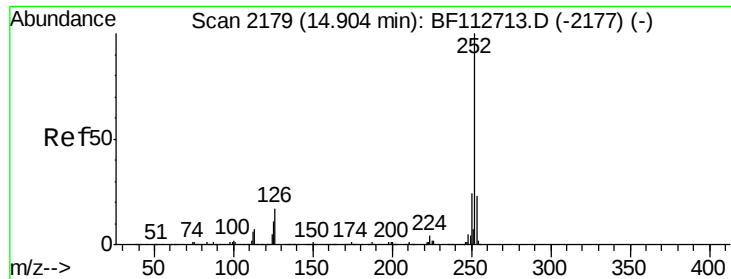
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#88
Benzo(b)fluoranthene
Concen: 4.872 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF112952.D
Acq: 8 Mar 2019 22:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.0	27.0
125	14.6	10.2	15.2





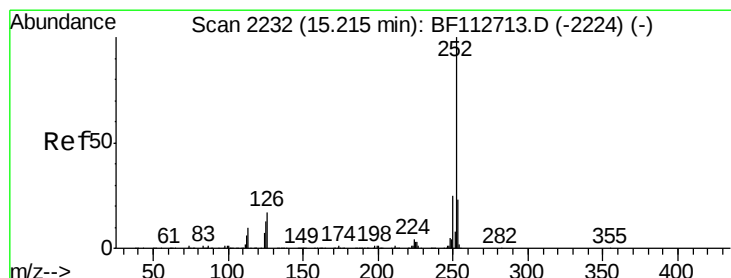
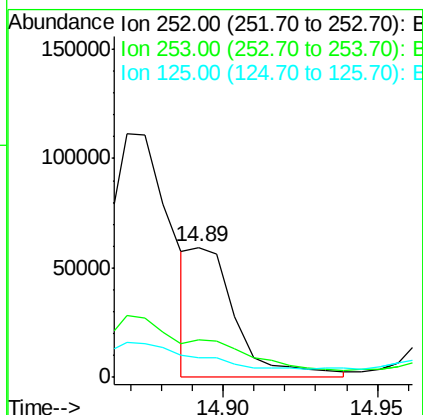
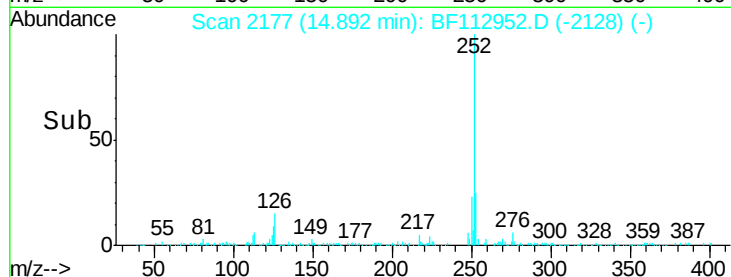
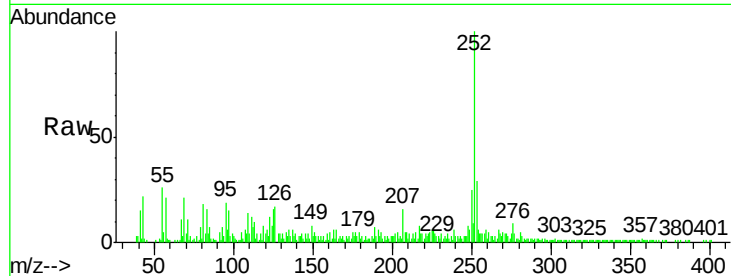
#89
Benzo(k)fluoranthene
Concen: 2.053 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF112952.D
Acq: 8 Mar 2019 22:56

Instrument :
BNA_F
ClientSampleId :
OR-01-030719-BRE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.2	27.2#
125	15.5	9.8	14.6#

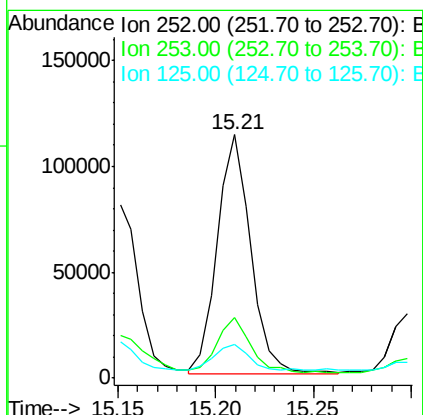
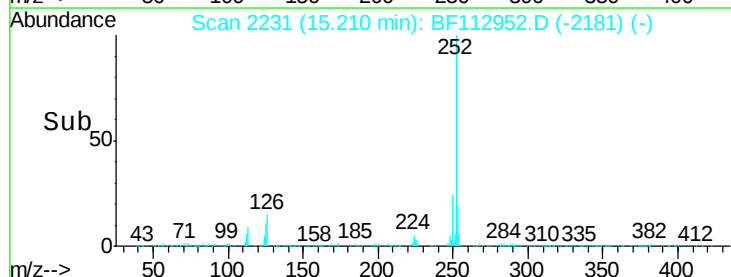
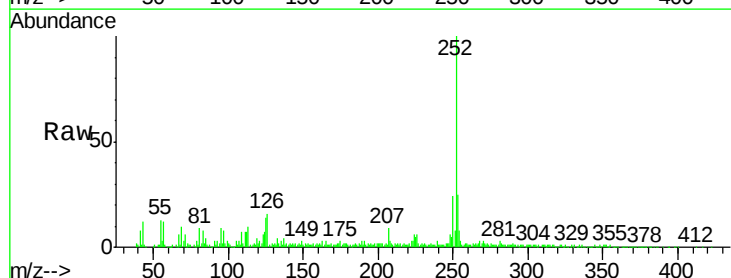
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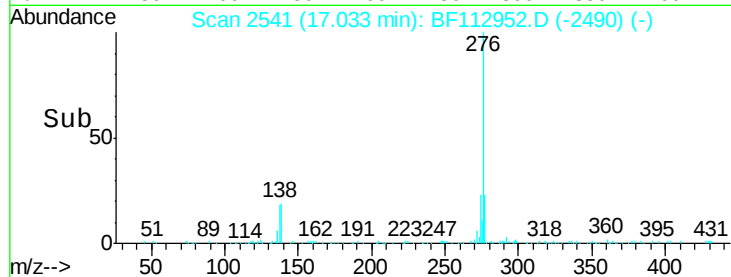
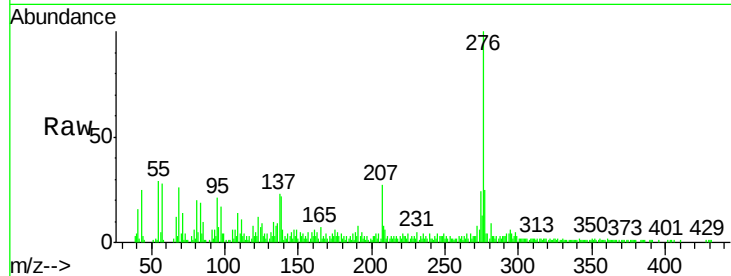
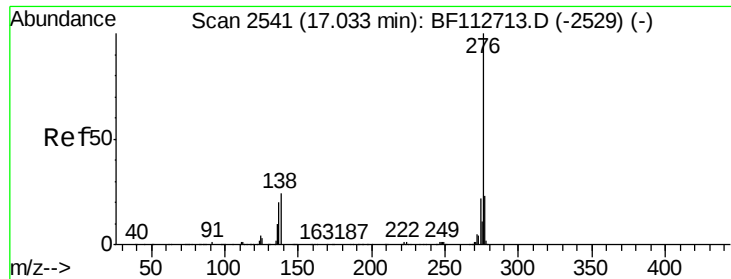
Sohil
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#90
Benzo(a)pyrene
Concen: 4.714 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF112952.D
Acq: 8 Mar 2019 22:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	13.9	10.7	16.1





#92
 Benzo(g,h,i)perylene
 Concen: 2.863 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. 0.00 min
 Lab File: BF112952.D
 Acq: 8 Mar 2019 22:56

Tgt Ion:	276	Resp:	70575
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.6	27.8
138	22.0	19.4	29.0

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-030719-BRE

Manual Integrations
 APPROVED

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