

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113858.D
 Acq On : 19 Apr 2019 15:11
 Operator : JU/SJ
 Sample : K2199-13 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-A

Manual Integrations
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 4/22/2019 7:26:38 PM

Quant Time: Apr 20 00:22:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	158939	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	549281	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	261701	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	538175	20.00	ng	0.02
76) Chrysene-d12	14.38	240	523903m	20.00	ng	0.34
87) Perylene-d12	16.19	264	417445m	20.00	ng	0.68
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	431456	45.14	ng	0.00
7) Phenol-d6	6.52	99	532782	44.70	ng	0.00
23) Nitrobenzene-d5	7.45	82	291892	32.36	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	145221	50.23	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	527514	30.74	ng	0.00
79) Terphenyl-d14	13.12	244	733373	29.35	ng	0.12
Target Compounds						
37) 2-Methylnaphthalene	8.89	142	35757	2.074	ng	Qvalue 98
38) 1-Methylnaphthalene	8.99	142	36371	2.174	ng	96
49) Acenaphthylene	9.80	152	69569	2.744	ng	99
50) Dimethylphthalate	9.65	163	47390	2.588	ng	100
52) Acenaphthene	9.97	154	70708	4.754	ng	95
55) Dibenzofuran	10.14	168	84505	3.793	ng	# 95
58) Fluorene	10.48	166	131691	7.924	ng	98
71) Phenanthrene	11.45	178	925464	33.764	ng	99
72) Anthracene	11.50	178	311253	11.269	ng	98
73) Carbazole	11.65	167	58606	2.337	ng	99
75) Fluoranthene	12.70	202	1507249	51.887	ng	99
78) Pyrene	12.96	202	1414947	38.322	ng	99
81) Benzo(a)anthracene	14.37	228	658327m	21.496	ng	
83) Chrysene	14.41	228	569619m	18.739	ng	
86) Indeno(1,2,3-cd)pyrene	17.74	276	212240m	8.553	ng	
88) Benzo(b)fluoranthene	15.72	252	584583m	22.464	ng	
89) Benzo(k)fluoranthene	15.74	252	146080m	6.163	ng	
90) Benzo(a)pyrene	16.12	252	401370m	17.443	ng	
92) Benzo(g,h,i)perylene	18.20	276	208412m	10.015	ng	

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

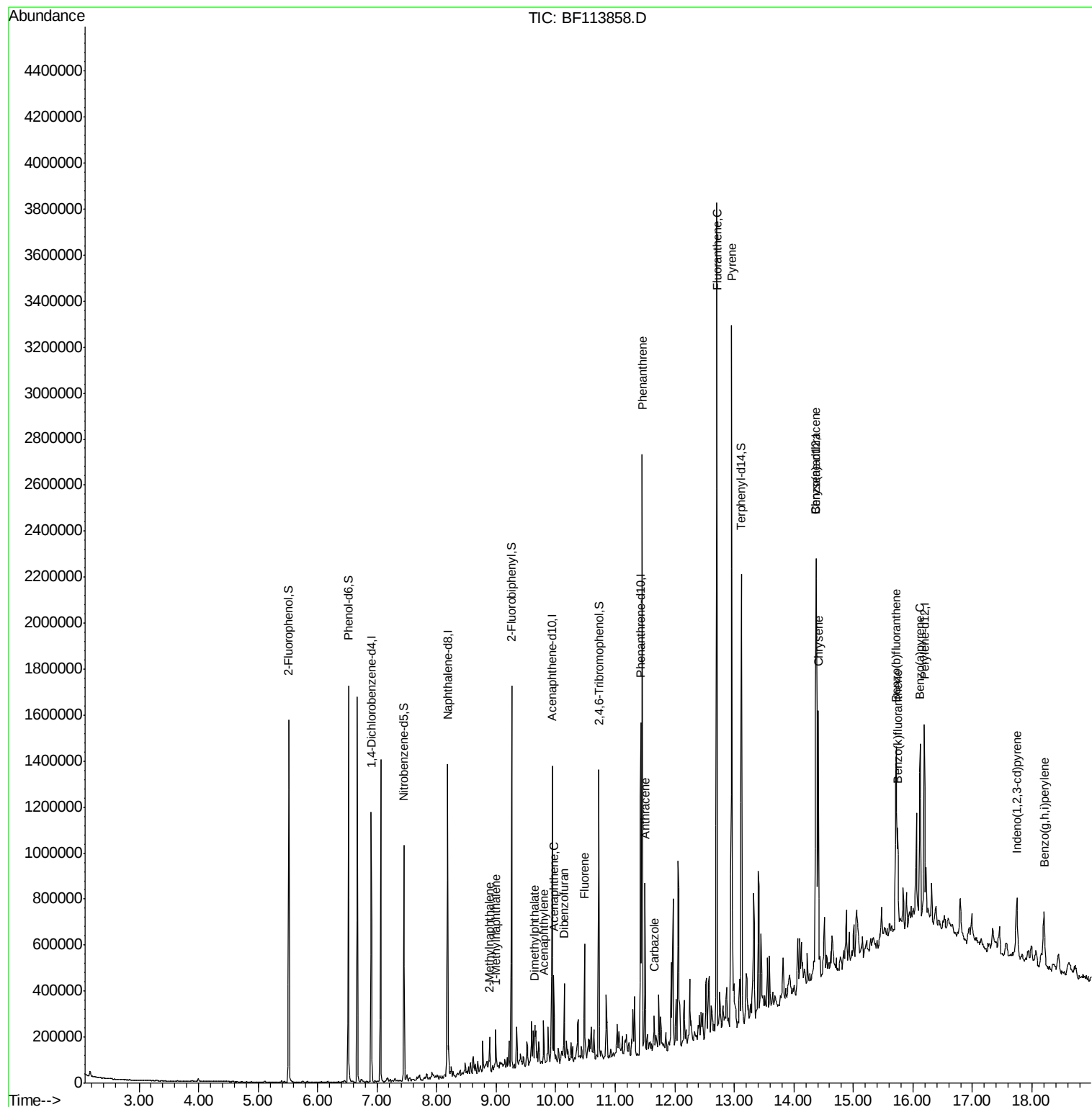
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
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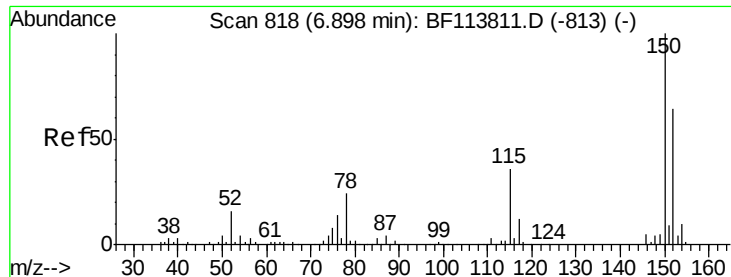
Instrument :
BNA_F
ClientSampleID :
OR-03-041819-A

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
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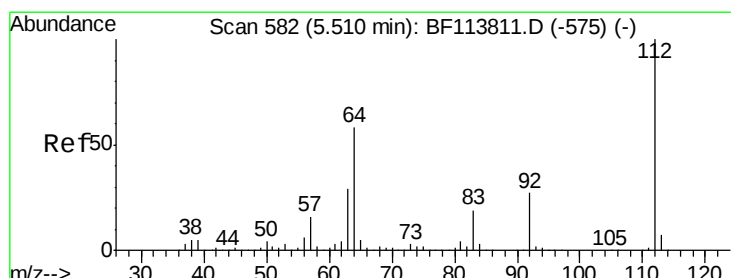
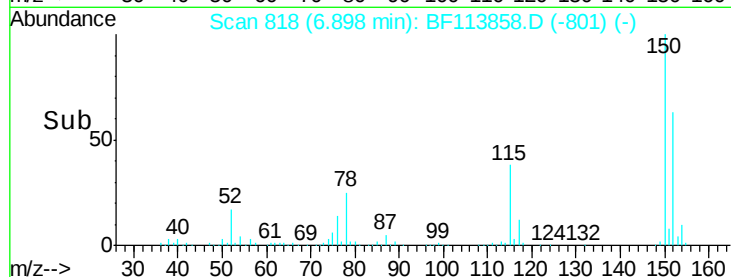
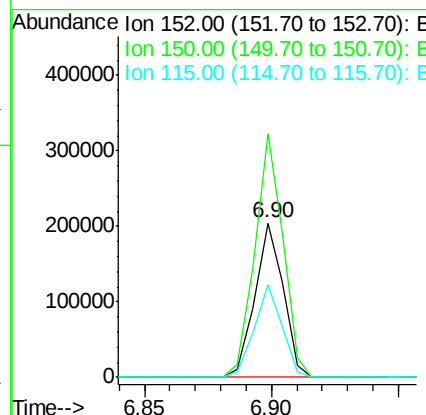
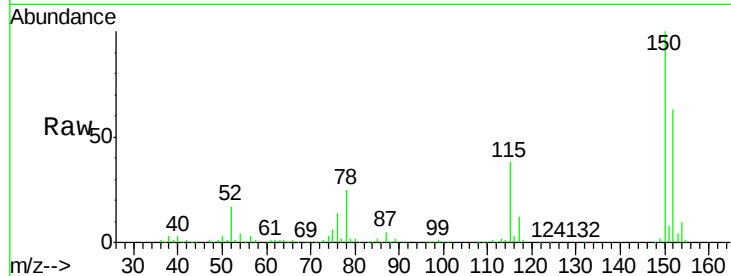
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BF113858.D
 Acq: 19 Apr 2019 15:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.9	188.9
115	59.6	45.9	68.9

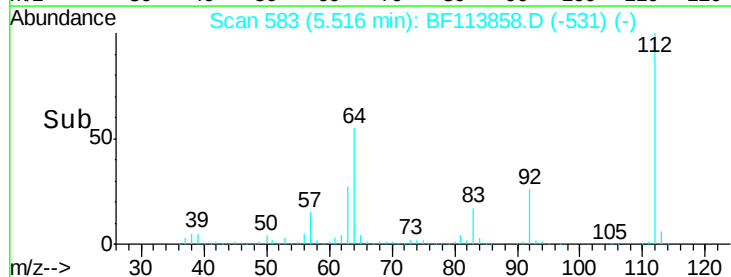
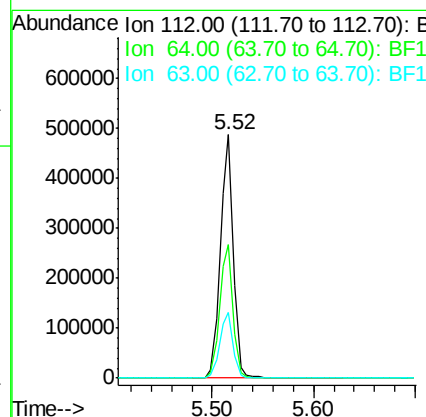
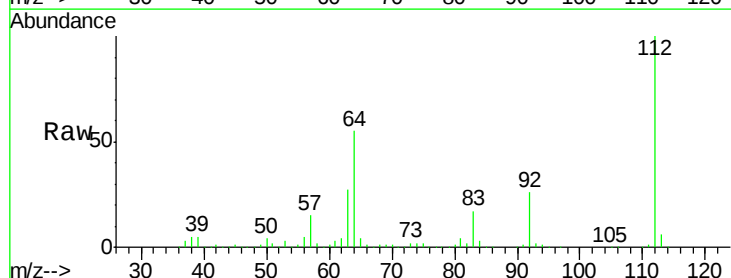
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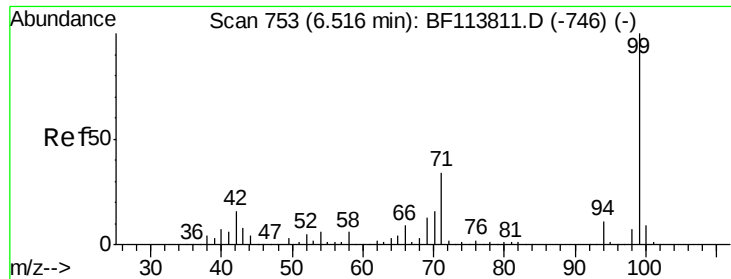
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#5
 2-Fluorophenol
 Concen: 45.138 ng
 RT: 5.52 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: BF113858.D
 Acq: 19 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	46.6	69.8
63	26.9	23.1	34.7





#7

Phenol-d6

Concen: 44.695 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF113858.D

Acq: 19 Apr 2019 15:11

Instrument :

BNA_F

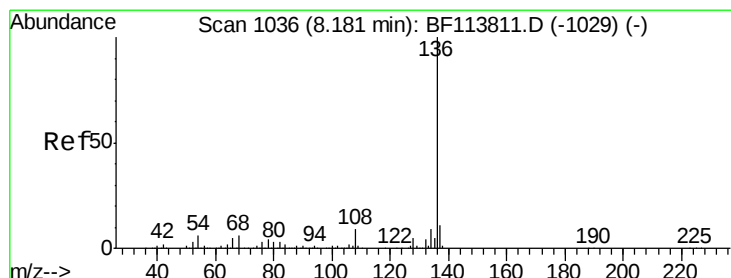
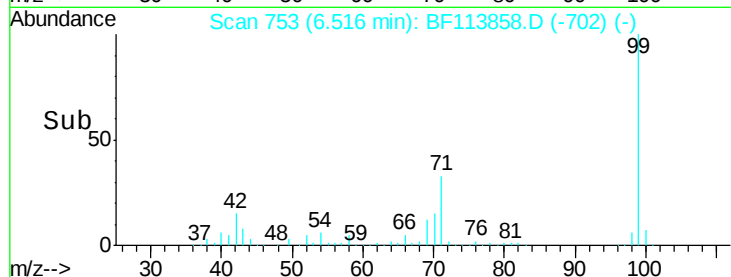
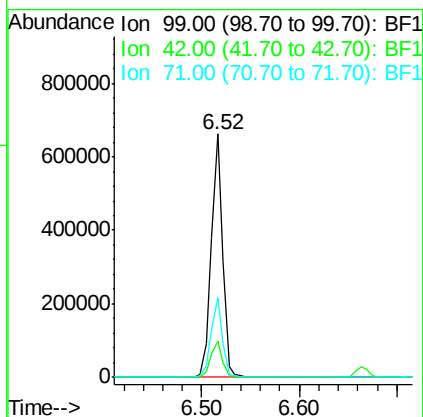
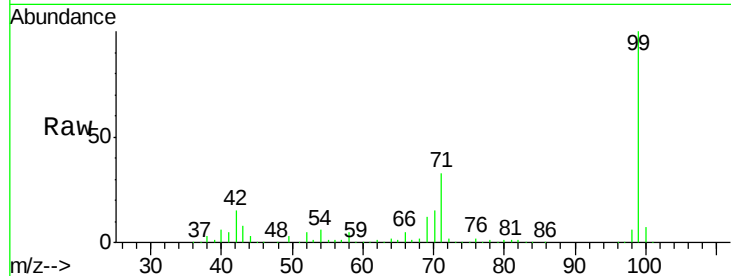
ClientSampleId :

OR-03-041819-A

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	532782		
42	14.9	12.5	18.7	
71	33.0	26.9	40.3	

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#21

Naphthalene-d8

Concen: 20.000 ng

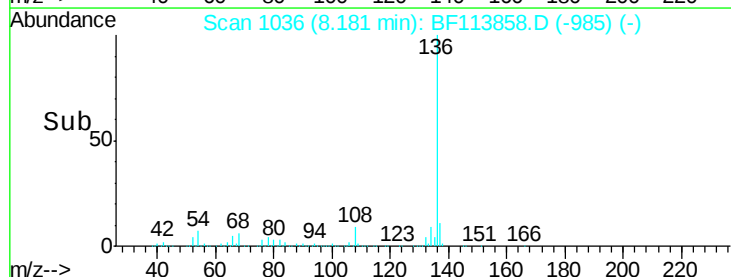
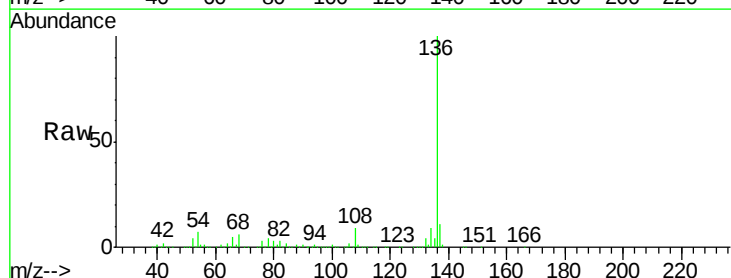
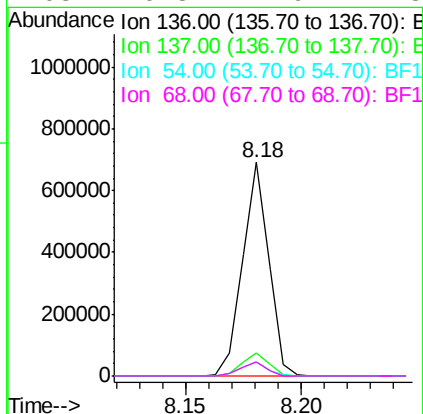
RT: 8.18 min Scan# 1036

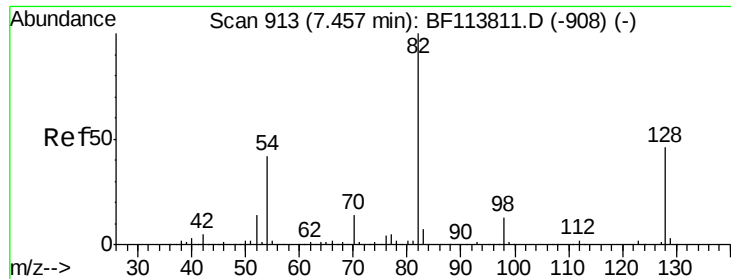
Delta R.T. 0.00 min

Lab File: BF113858.D

Acq: 19 Apr 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	549281		
137	11.0	8.6	12.8	
54	6.6	5.0	7.6	
68	6.3	4.9	7.3	





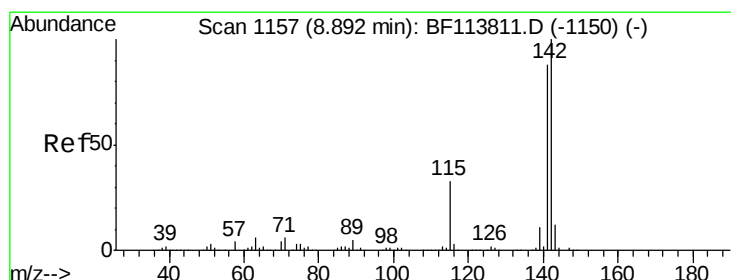
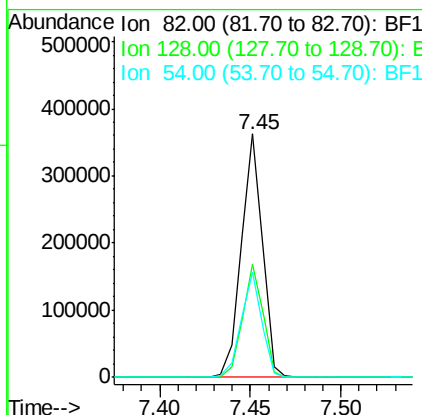
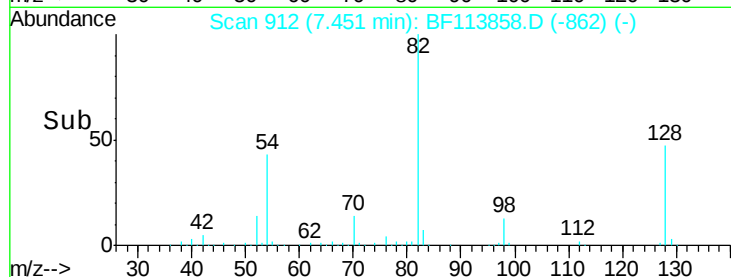
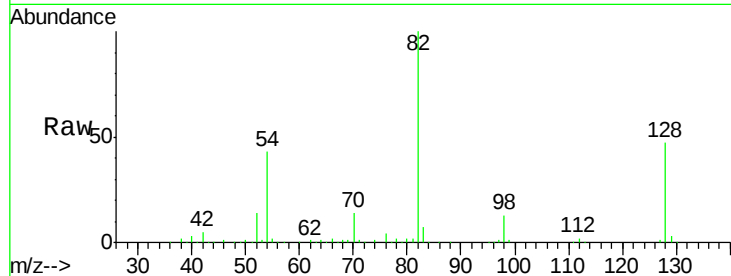
#23
Nitrobenzene-d5
Concen: 32.361 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF113858.D
Acq: 19 Apr 2019 15:11

Instrument :
BNA_F
ClientSampleId :
OR-03-041819-A

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	291892		
128	46.7	36.8	55.2	
54	43.1	33.8	50.6	

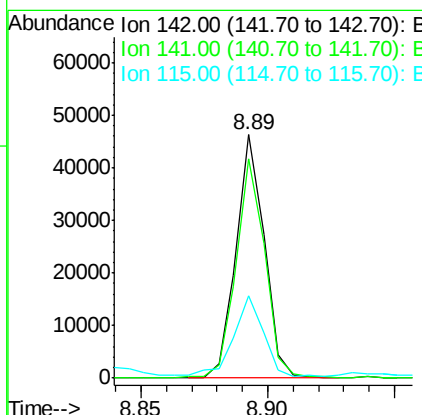
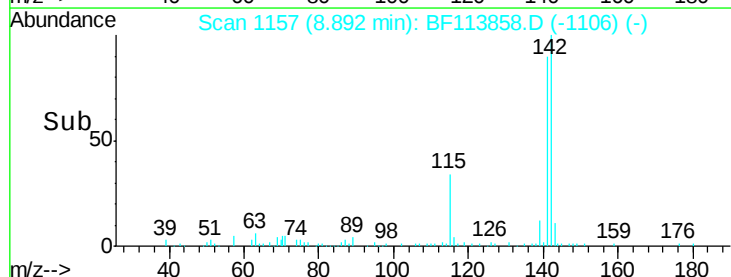
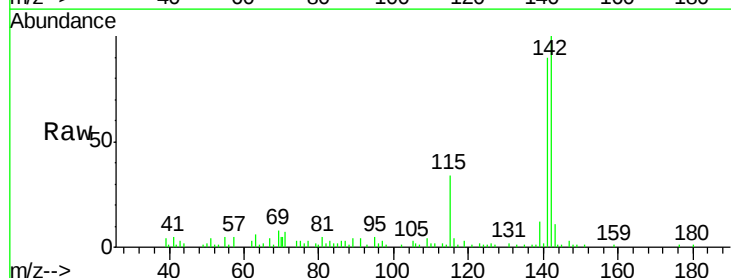
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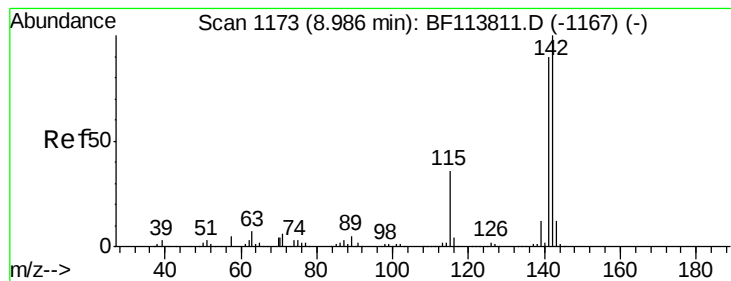
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#37
2-Methylnaphthalene
Concen: 2.074 ng
RT: 8.89 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF113858.D
Acq: 19 Apr 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	35757		
141	90.0	70.4	105.6	
115	33.6	26.3	39.5	





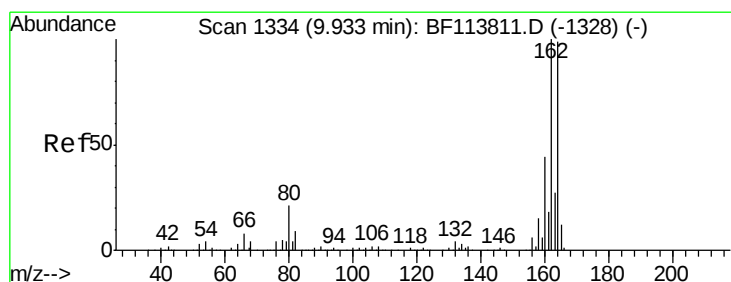
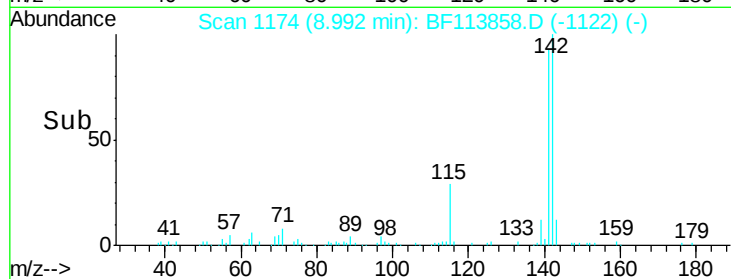
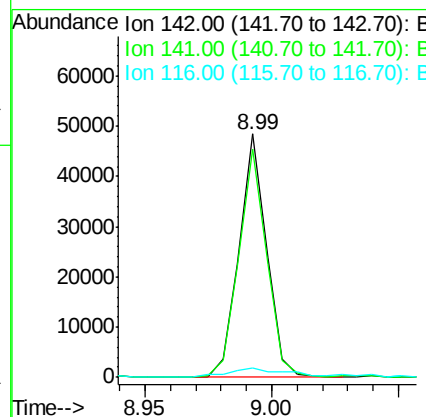
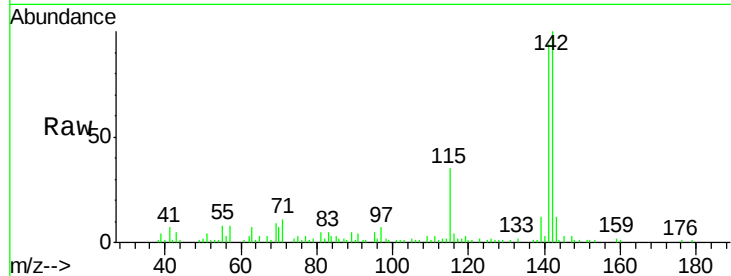
#38
 1-Methylnaphthalene
 Concen: 2.174 ng
 RT: 8.99 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: BF113858.D
 Acq: 19 Apr 2019 15:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-A

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.0	72.3	108.5
116	4.0	3.0	4.4

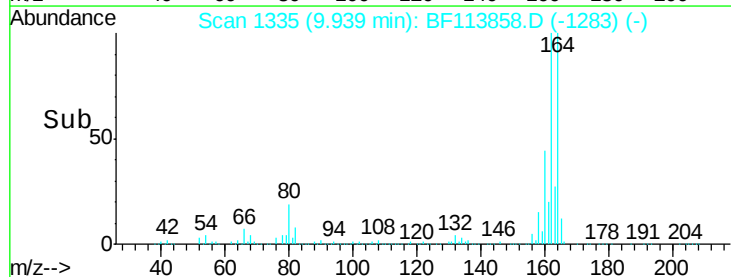
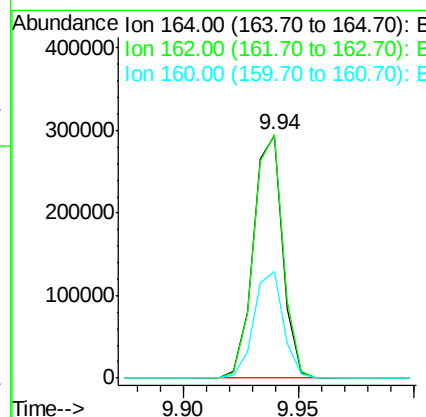
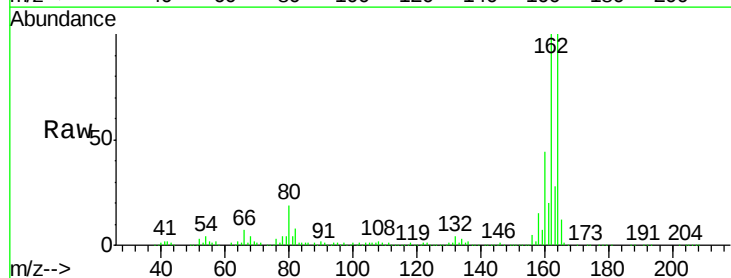
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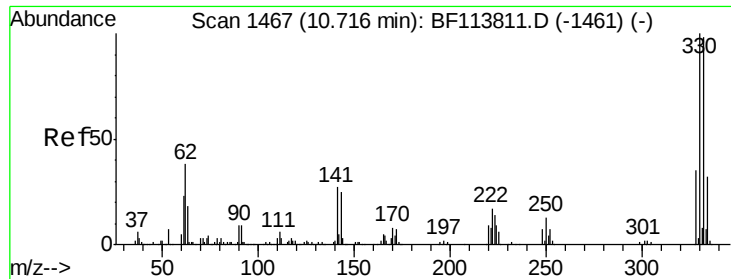
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: BF113858.D
 Acq: 19 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.1	121.7
160	43.7	35.8	53.6





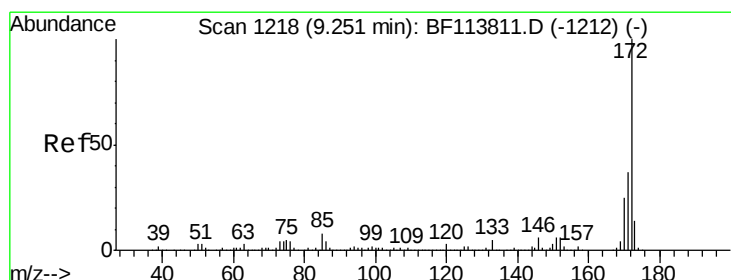
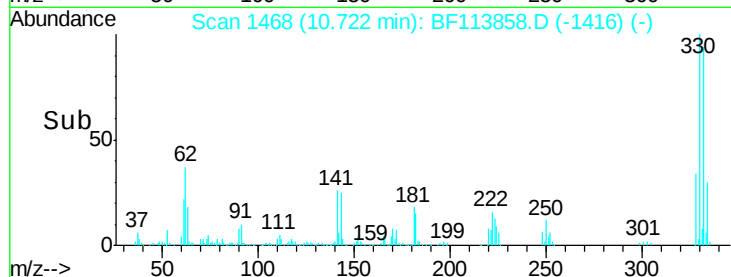
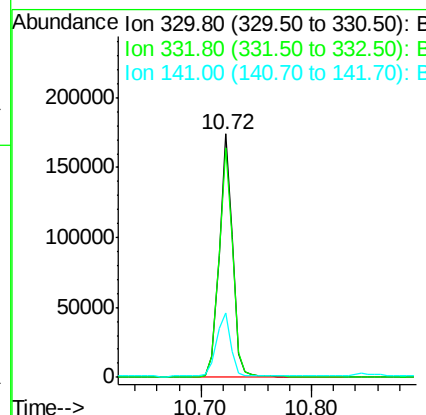
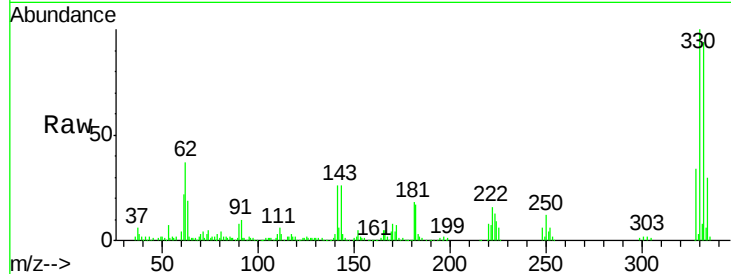
#42
 2,4,6-Tribromophenol
 Concen: 50.227 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.01 min
 Lab File: BF113858.D
 Acq: 19 Apr 2019 15:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-A

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	145221		
332	97.2	77.5	116.3	
141	26.7	22.2	33.2	

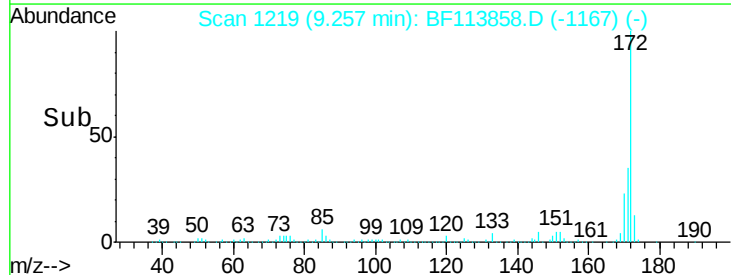
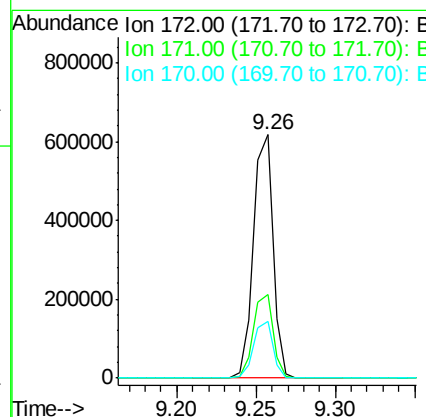
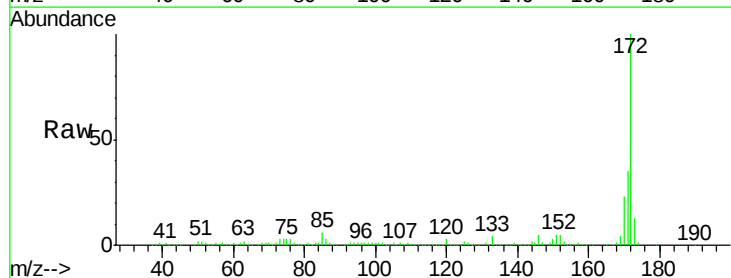
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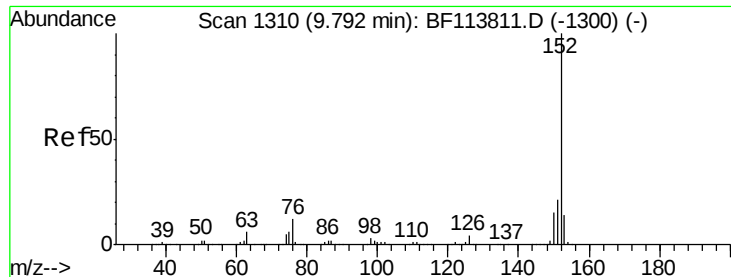
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#45
 2-Fluorobiphenyl
 Concen: 30.740 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: BF113858.D
 Acq: 19 Apr 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	527514		
171	34.6	29.4	44.0	
170	23.2	19.9	29.9	





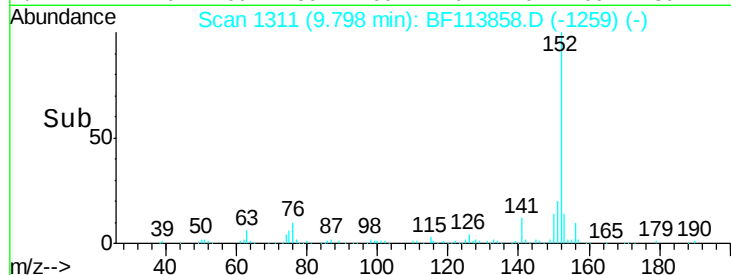
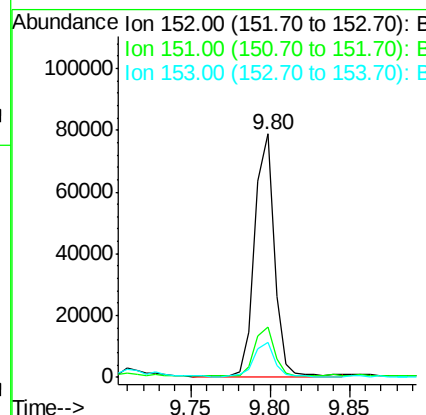
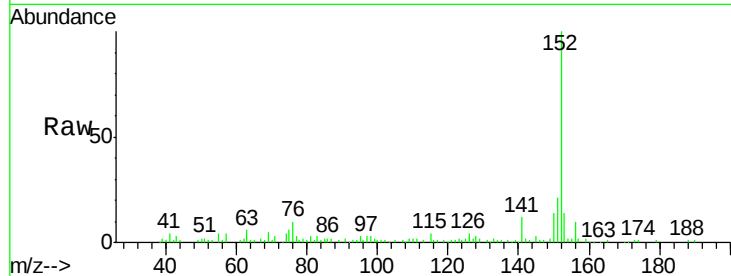
#49
Acenaphthylene
Concen: 2.744 ng
RT: 9.80 min Scan# 1311
Delta R.T. 0.01 min
Lab File: BF113858.D
Acq: 19 Apr 2019 15:11

Instrument :
BNA_F
ClientSampleId :
OR-03-041819-A

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	69569		
151	20.8		17.0	25.4
153	14.2		11.0	16.6

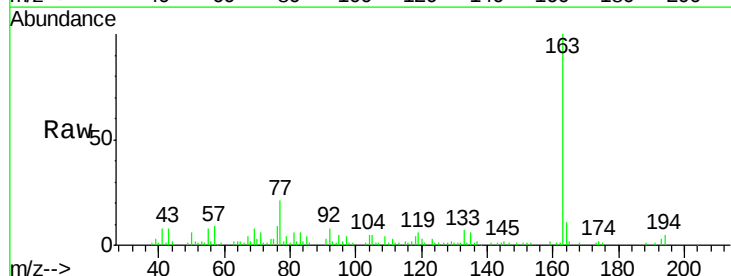
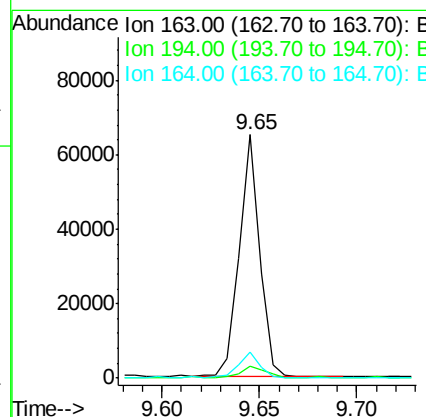
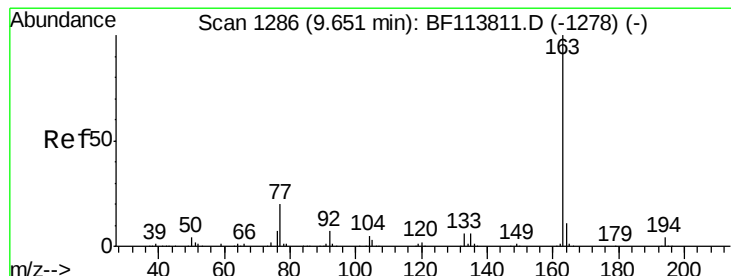
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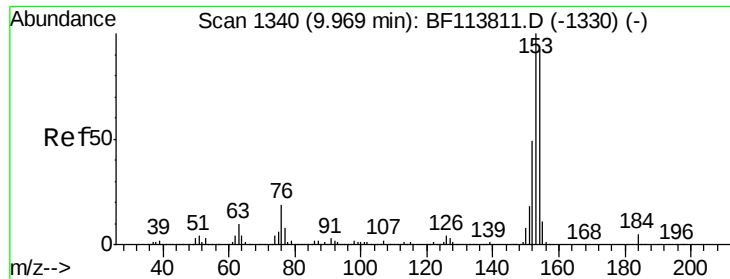
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#50
Dimethylphthalate
Concen: 2.588 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF113858.D
Acq: 19 Apr 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	47390		
194	4.8		3.4	5.2
164	10.6		8.5	12.7





#52

Acenaphthene

Concen: 4.754 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BF113858.D

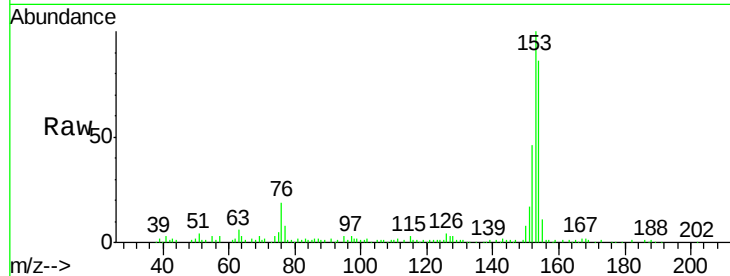
Acq: 19 Apr 2019 15:11

Instrument :

BNA_F

ClientSampleId :

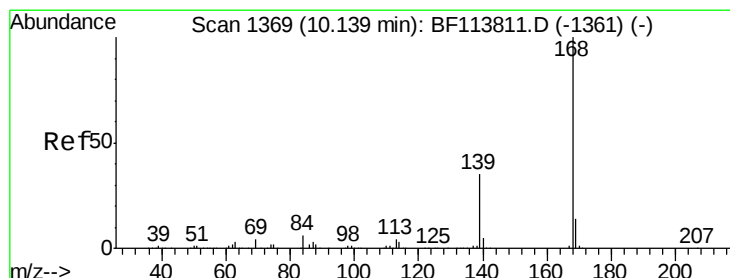
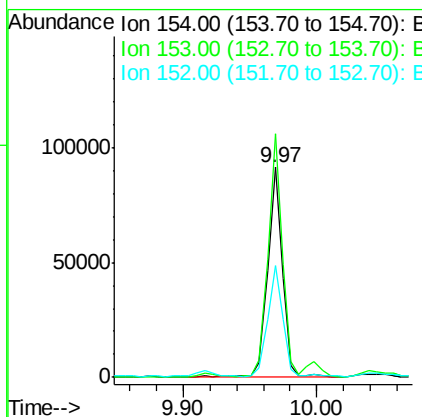
OR-03-041819-A



Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	116.0	70708	87.2	130.8
152	53.4		42.3	63.5

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#55

Dibenzofuran

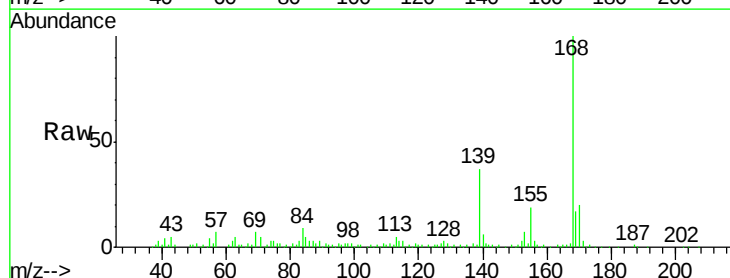
Concen: 3.793 ng

RT: 10.14 min Scan# 1369

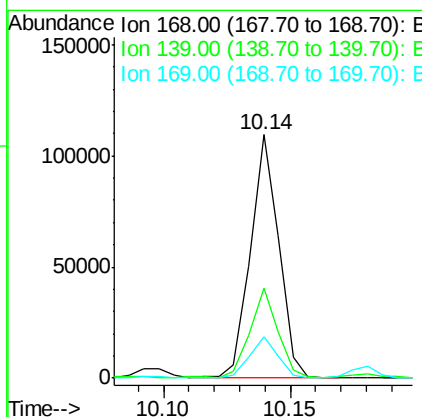
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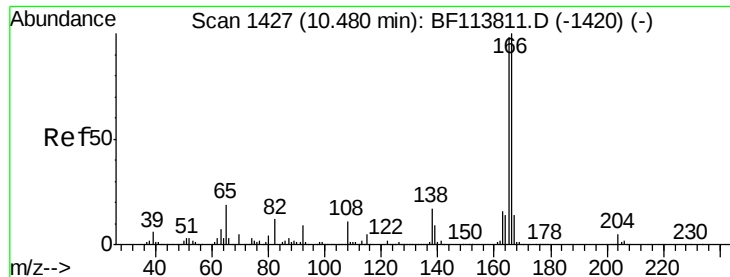
Lab File: BF113858.D

Acq: 19 Apr 2019 15:11



Tgt Ion	Ratio	Resp	Lower	Upper
168	100	84505		
139	37.1		27.8	41.6
169	16.9		11.0	16.6#





#58

Fluorene

Concen: 7.924 ng

RT: 10.48 min Scan# 1427

Delta R.T. 0.00 min

Lab File: BF113858.D

Acq: 19 Apr 2019 15:11

Instrument :

BNA_F

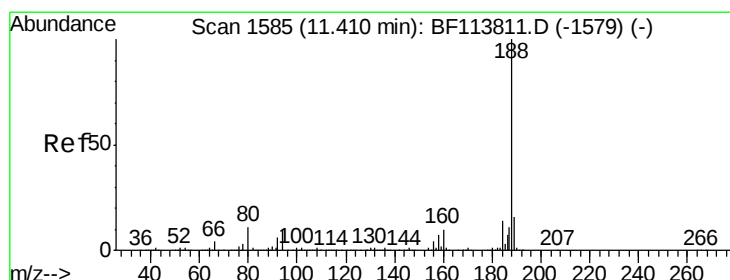
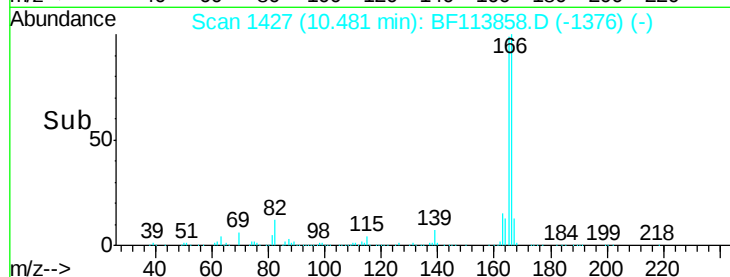
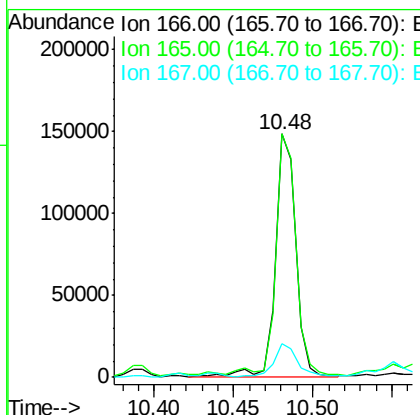
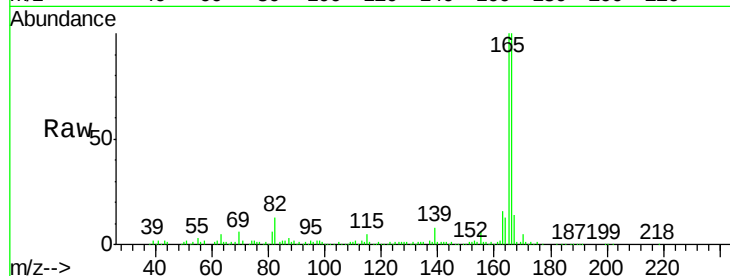
ClientSampleId :

OR-03-041819-A

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	131691		
165	100.2	78.4	117.6	
167	14.0	10.9	16.3	

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#64

Phenanthrene-d10

Concen: 20.000 ng

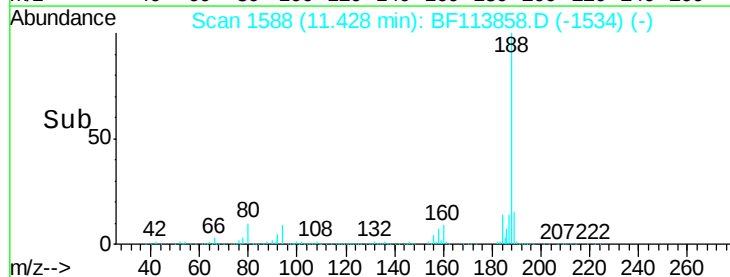
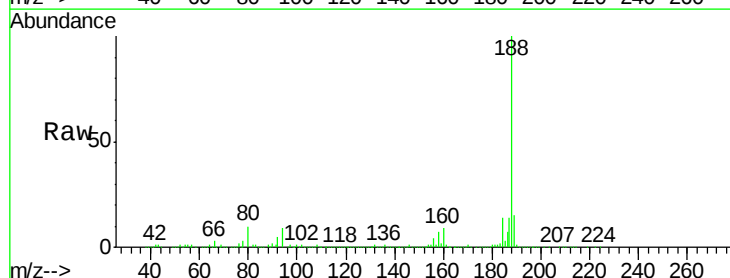
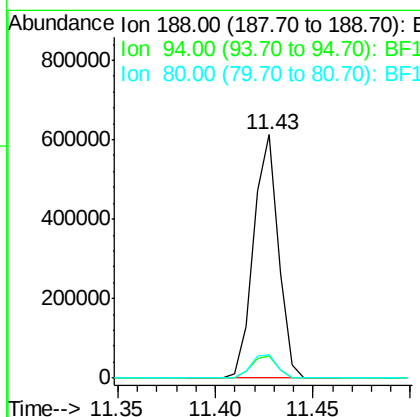
RT: 11.43 min Scan# 1588

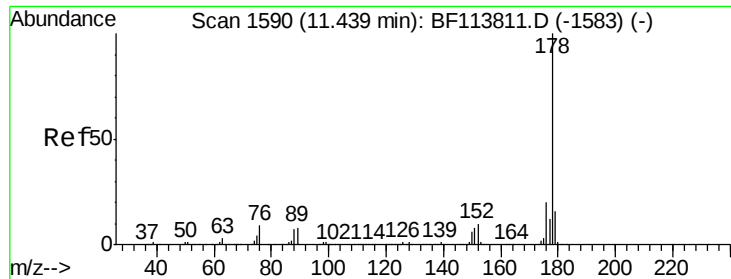
Delta R.T. 0.02 min

Lab File: BF113858.D

Acq: 19 Apr 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	538175		
94	8.9	8.2	12.4	
80	9.8	9.0	13.6	





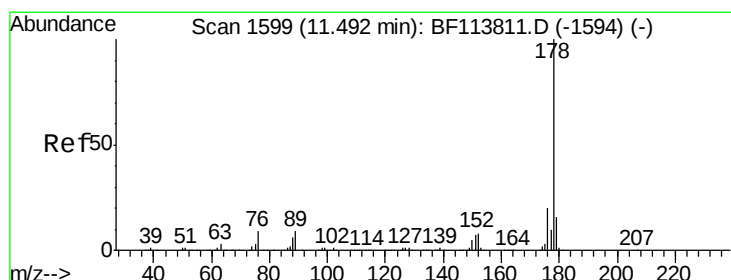
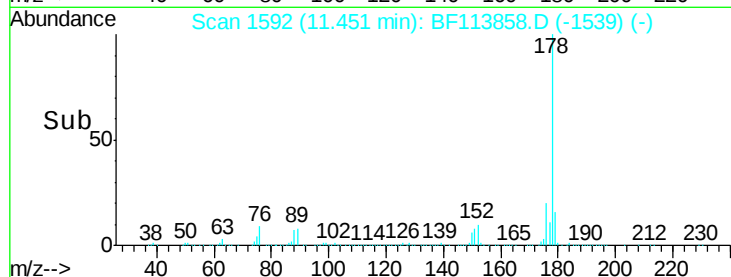
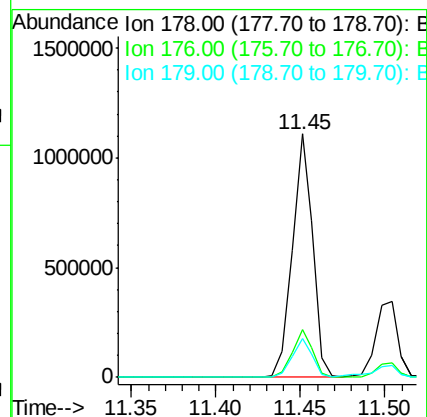
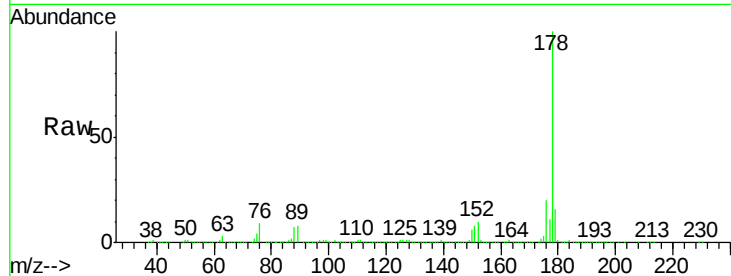
#71
Phenanthrene
Concen: 33.764 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BF113858.D
Acq: 19 Apr 2019 15:11

Instrument :
BNA_F
ClientSampleId :
OR-03-041819-A

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.1	24.1
179	16.1	12.8	19.2

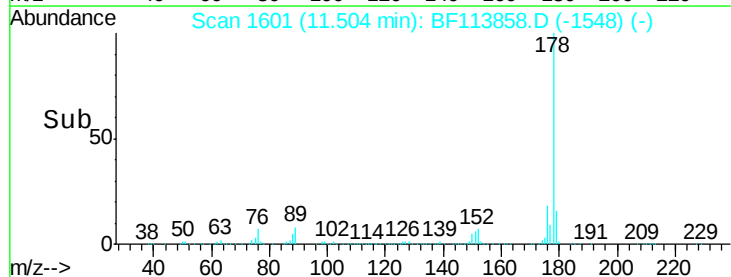
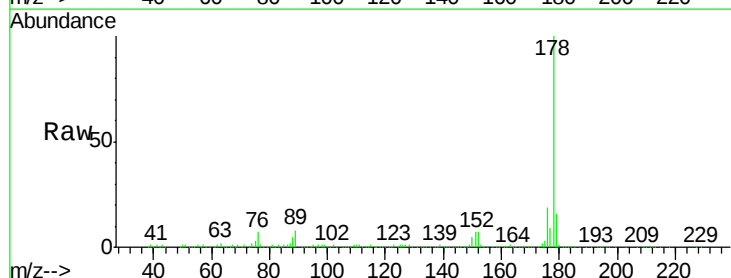
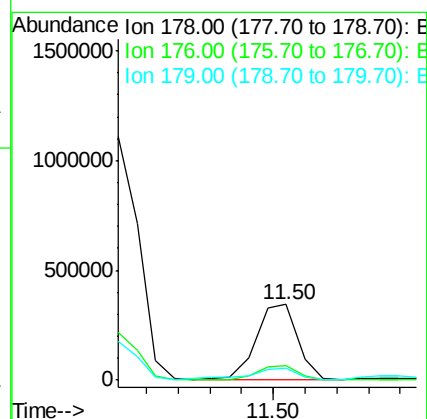
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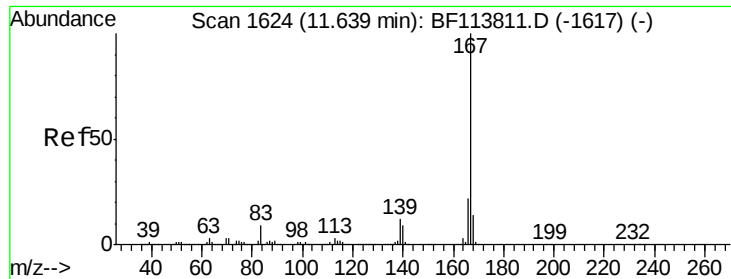
Sohil
4/22/2019 7:26:38 PM



#72
Anthracene
Concen: 11.269 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF113858.D
Acq: 19 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.7	23.5
179	15.8	13.0	19.4





#73

Carbazole

Concen: 2.337 ng

RT: 11.65 min Scan# 1626

Delta R.T. 0.01 min

Lab File: BF113858.D

Acq: 19 Apr 2019 15:11

Instrument :

BNA_F

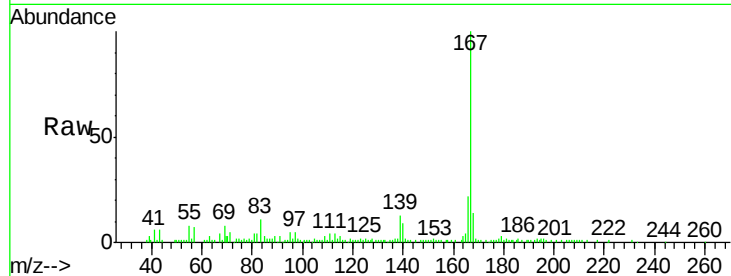
ClientSampleId :

OR-03-041819-A

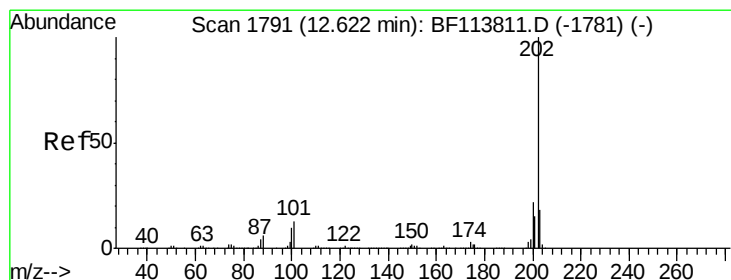
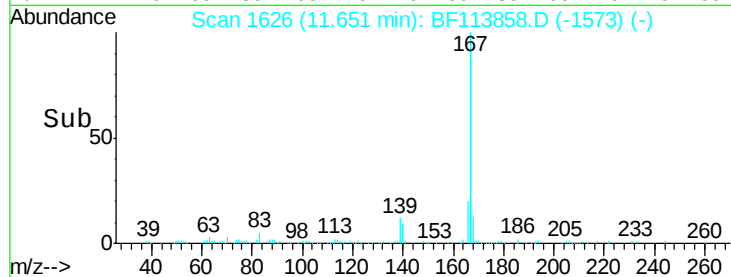
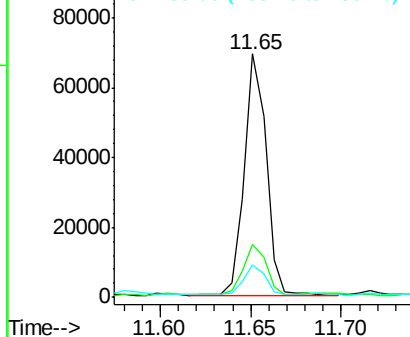
Tgt Ion:	167	Resp:	58606
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.7	26.5
139	13.2	10.0	15.0

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 51.887 ng

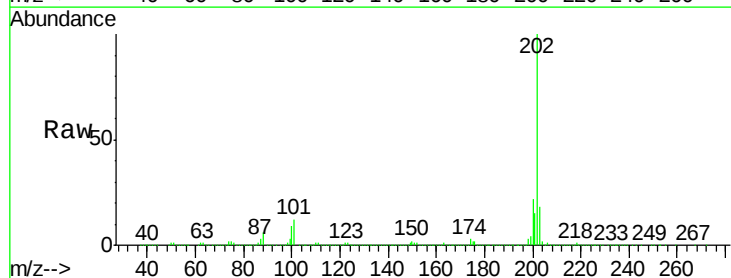
RT: 12.70 min Scan# 1805

Delta R.T. 0.08 min

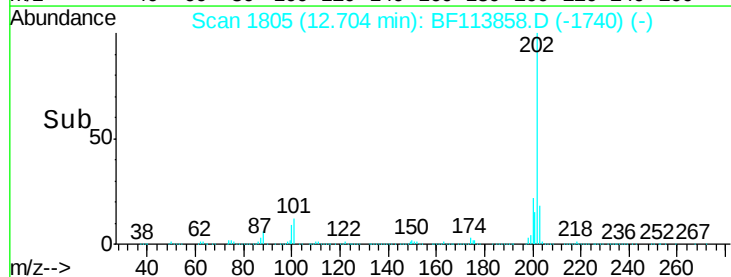
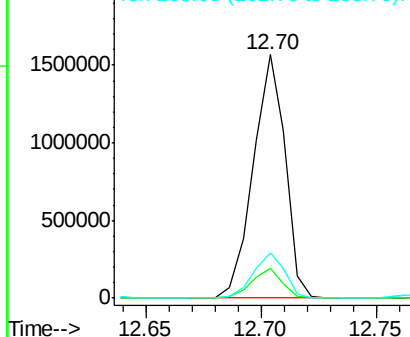
Lab File: BF113858.D

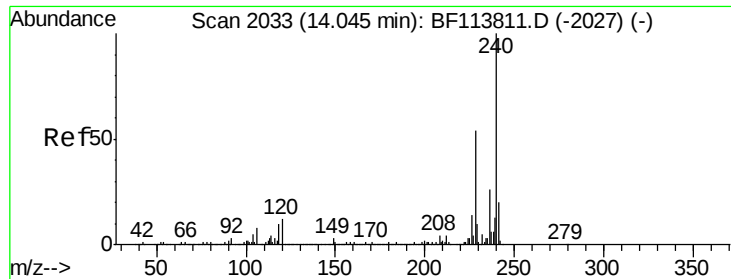
Acq: 19 Apr 2019 15:11

Tgt Ion:	202	Resp:	1507249
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	32.9
203	18.3	0.0	38.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





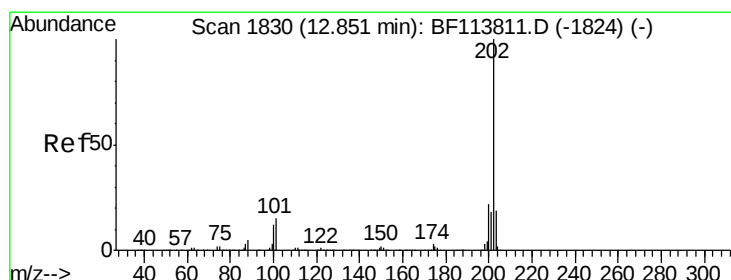
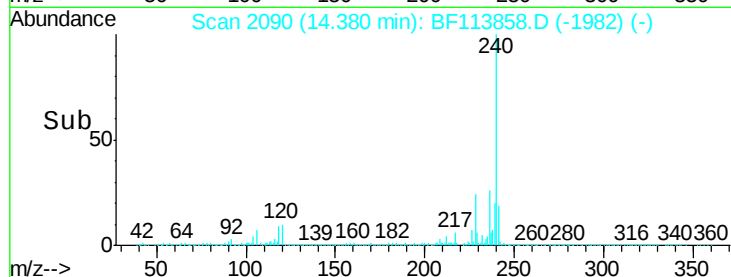
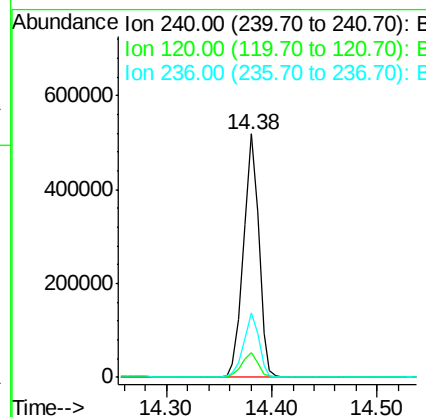
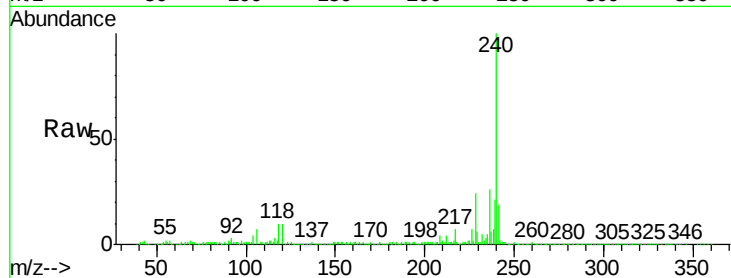
#76
Chrysene-d12
Concen: 20.000 ng m
RT: 14.38 min Scan# 2090
Delta R.T. 0.34 min
Lab File: BF113858.D
Acq: 19 Apr 2019 15:11

Instrument :
BNA_F
ClientSampleId :
OR-03-041819-A

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.3	13.9
236	26.4	21.2	31.8

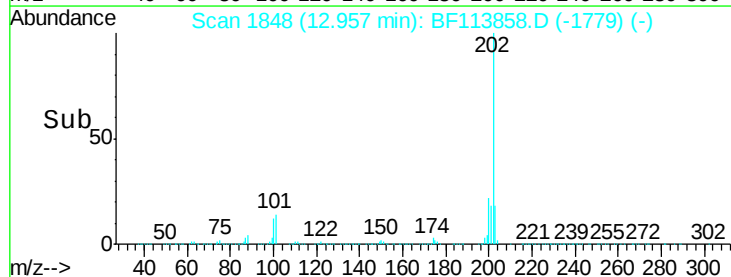
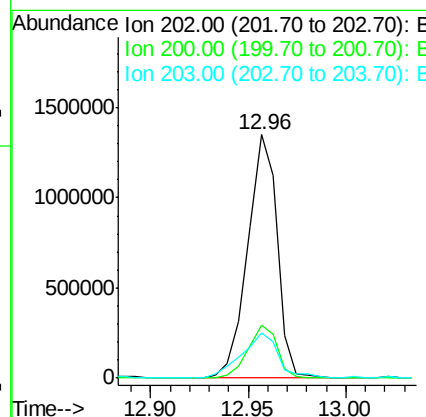
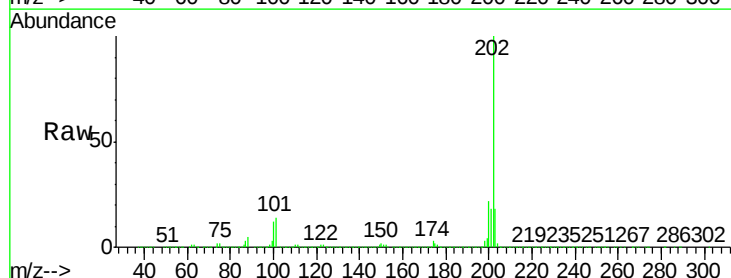
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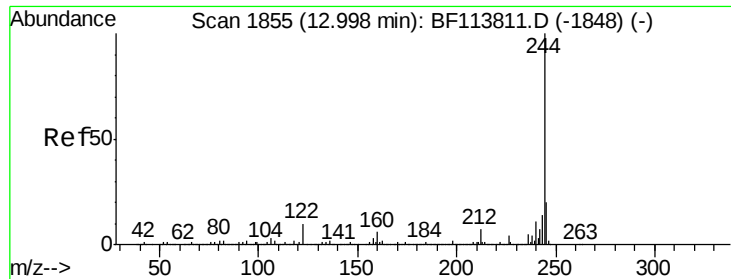
Sohil
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#78
Pyrene
Concen: 38.322 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.11 min
Lab File: BF113858.D
Acq: 19 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.7	26.5
203	18.4	15.0	22.6





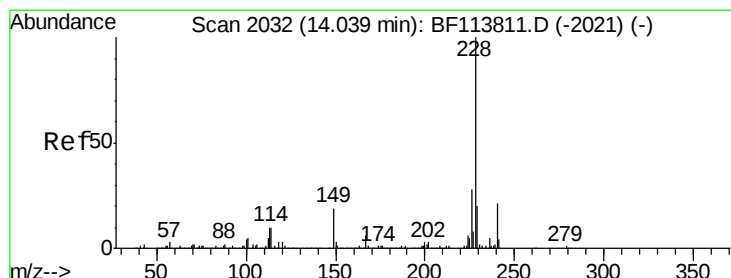
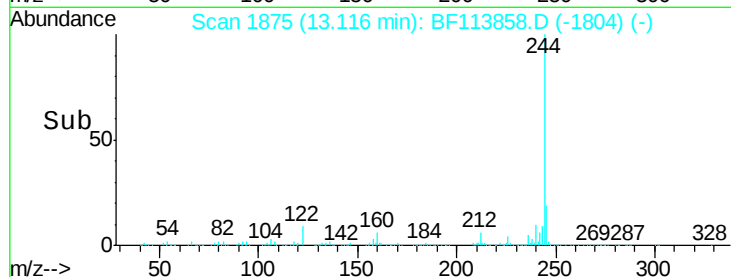
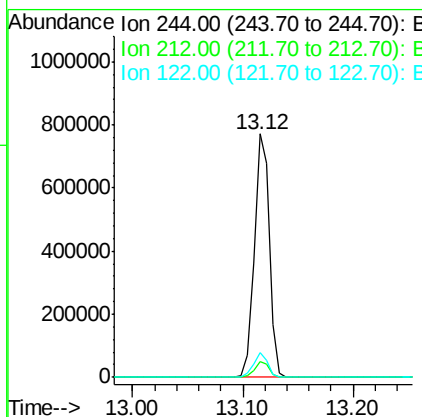
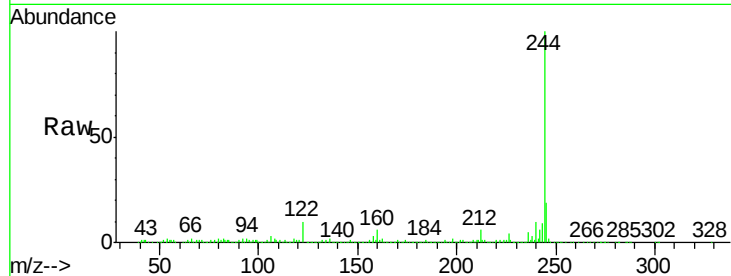
#79
 Terphenyl-d14
 Concen: 29.354 ng
 RT: 13.12 min Scan# 1875
 Delta R.T. 0.12 min
 Lab File: BF113858.D
 Acq: 19 Apr 2019 15:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-A

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.3	5.4	8.2
122	10.0	7.6	11.4

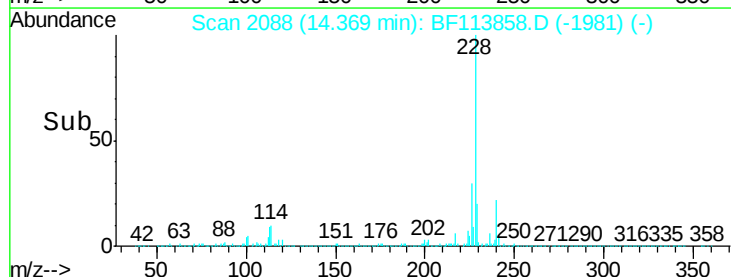
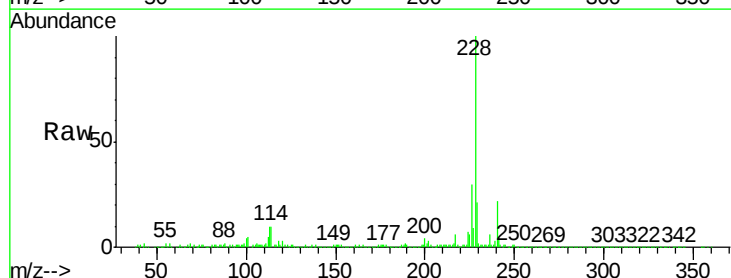
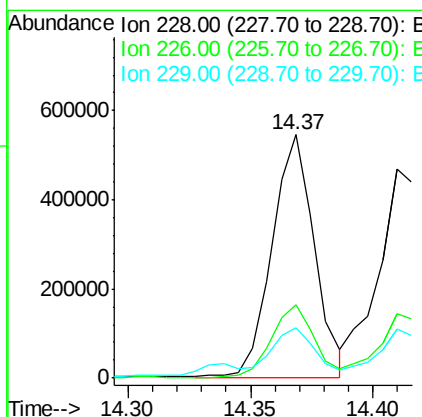
Manual Integrations
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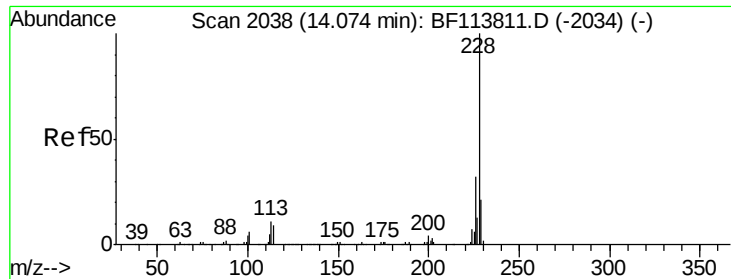
Sohil
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#81
 Benzo(a)anthracene
 Concen: 21.496 ng m
 RT: 14.37 min Scan# 2088
 Delta R.T. 0.33 min
 Lab File: BF113858.D
 Acq: 19 Apr 2019 15:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.0	22.2	33.2
229	20.7	16.0	24.0





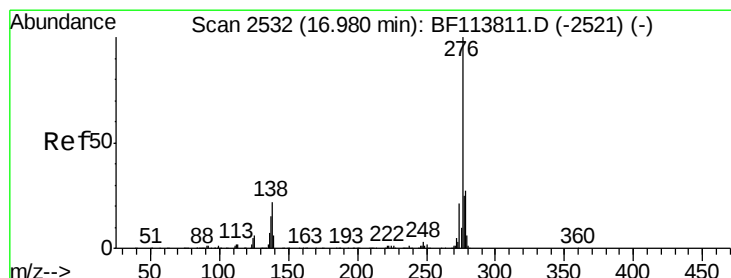
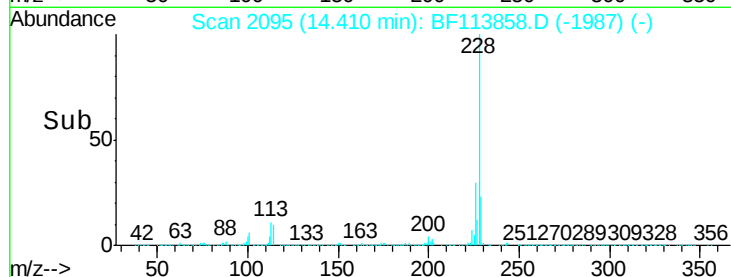
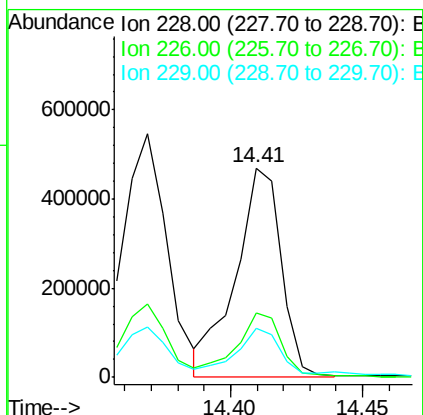
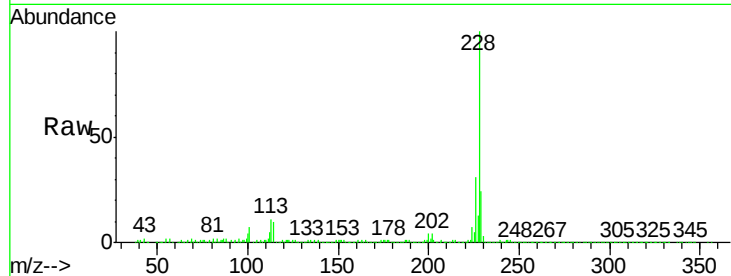
#83
Chrysene
Concen: 18.739 ng m
RT: 14.41 min Scan# 2095
Delta R.T. 0.34 min
Lab File: BF113858.D
Acq: 19 Apr 2019 15:11

Instrument :
BNA_F
ClientSampleId :
OR-03-041819-A

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	569619		
226	30.7	25.2	37.8	
229	23.7	16.7	25.1	

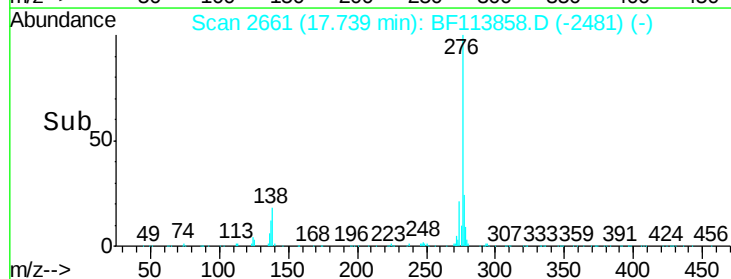
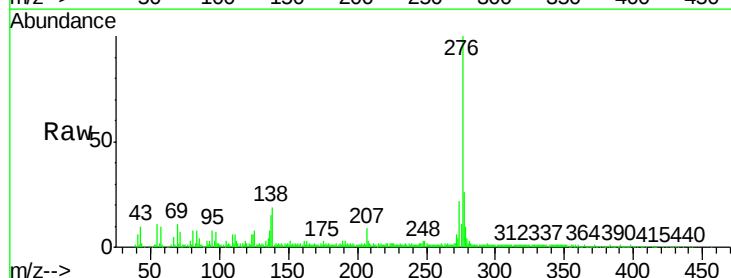
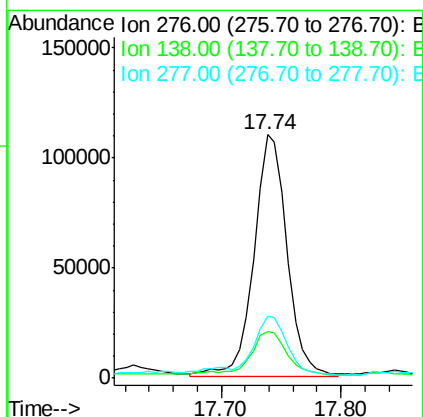
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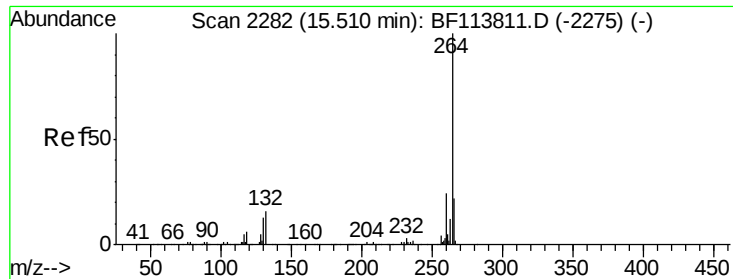
Sohil
4/22/2019 7:26:38 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 8.553 ng m
RT: 17.74 min Scan# 2661
Delta R.T. 0.76 min
Lab File: BF113858.D
Acq: 19 Apr 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	212240		
138	0.3	19.6	29.4#	
277	0.0	20.2	30.4#	





#87

Perylene-d12

Concen: 20.000 ng m

RT: 16.19 min Scan# 2398

Delta R.T. 0.68 min

Lab File: BF113858.D

Acq: 19 Apr 2019 15:11

Instrument :

BNA_F

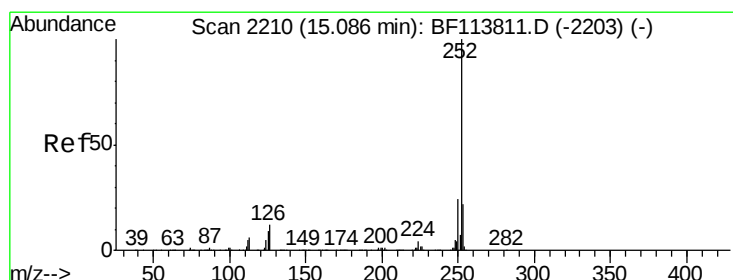
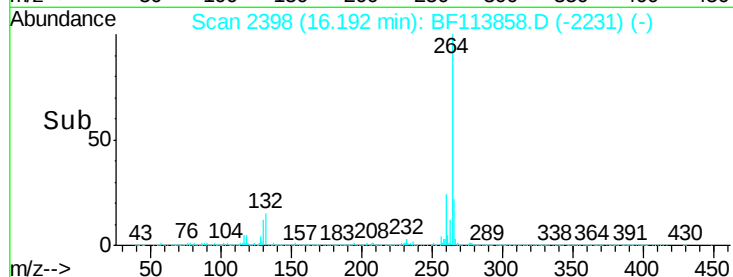
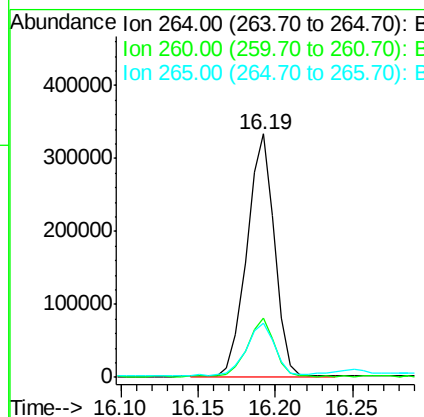
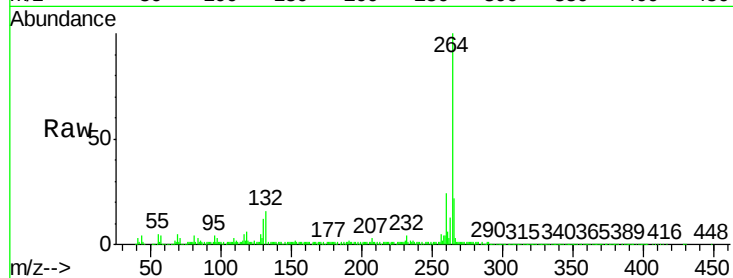
ClientSampleId :

OR-03-041819-A

Tgt Ion:	264	Resp:	417445
Ion Ratio	Lower	Upper	
264	100		
260	24.3	18.9	28.3
265	22.5	17.3	25.9

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#88

Benzo(b)fluoranthene

Concen: 22.464 ng m

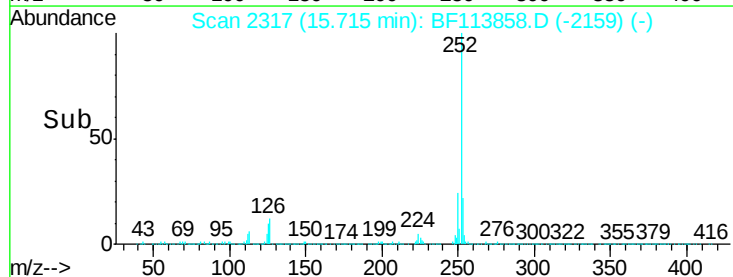
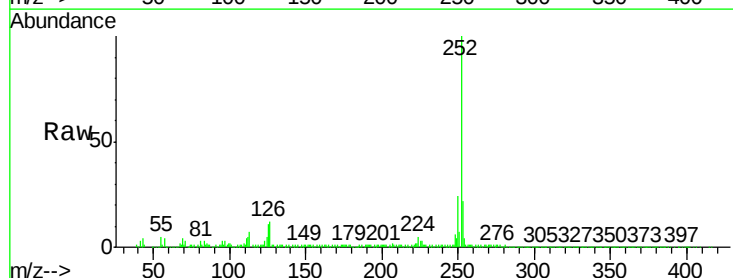
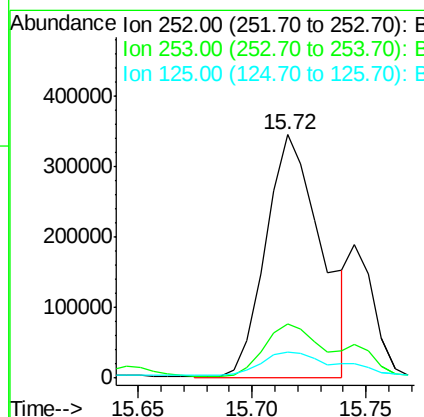
RT: 15.72 min Scan# 2317

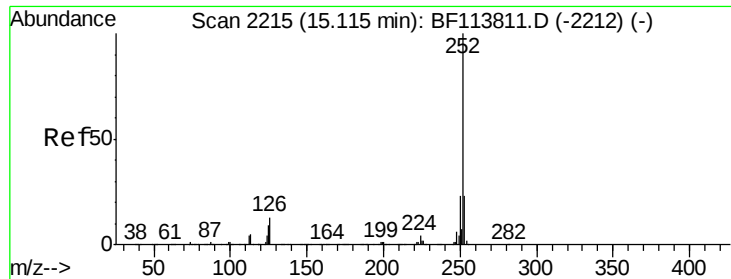
Delta R.T. 0.63 min

Lab File: BF113858.D

Acq: 19 Apr 2019 15:11

Tgt Ion:	252	Resp:	584583
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.8	26.6
125	10.8	7.0	10.6#





#89

Benzo(k)fluoranthene

Concen: 6.163 ng m

RT: 15.74 min Scan# 2322

Delta R.T. 0.63 min

Lab File: BF113858.D

Acq: 19 Apr 2019 15:11

Instrument :

BNA_F

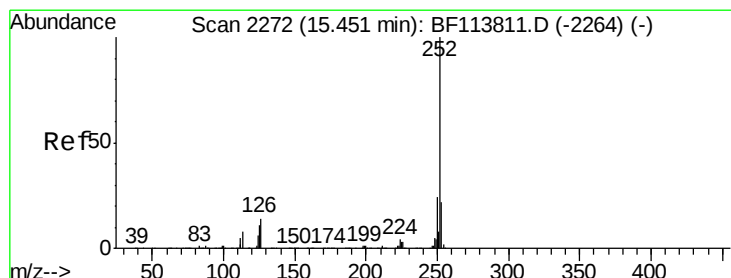
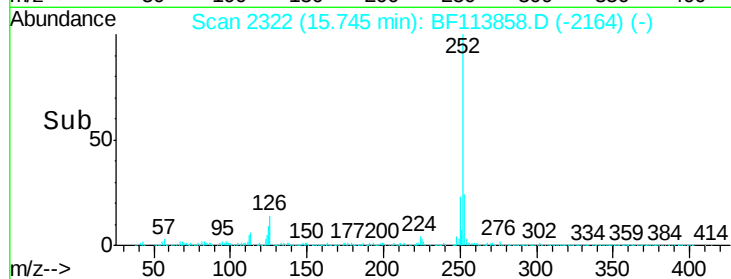
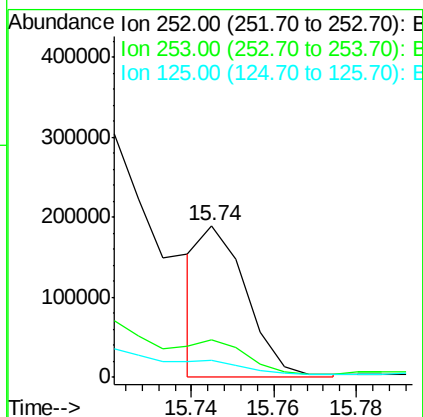
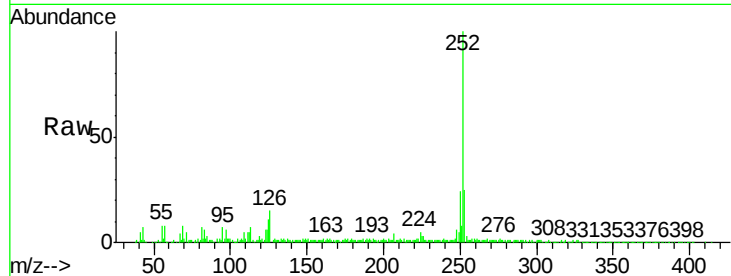
ClientSampleId :

OR-03-041819-A

Tgt Ion:	252	Resp:	146080
Ion Ratio	Lower	Upper	
252	100		
253	25.2	18.2	27.2
125	11.0	7.4	11.2

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#90

Benzo(a)pyrene

Concen: 17.443 ng m

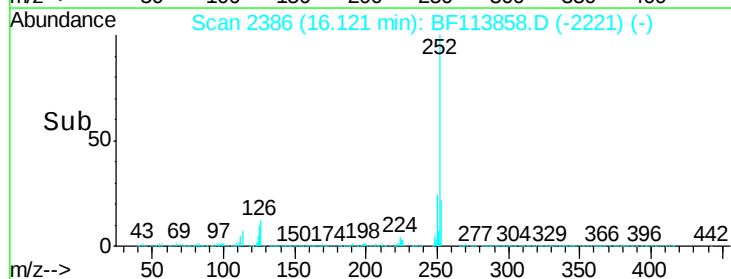
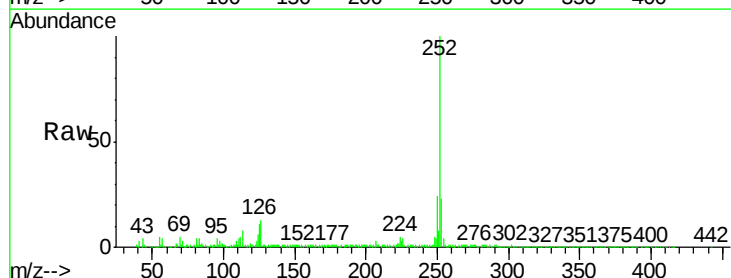
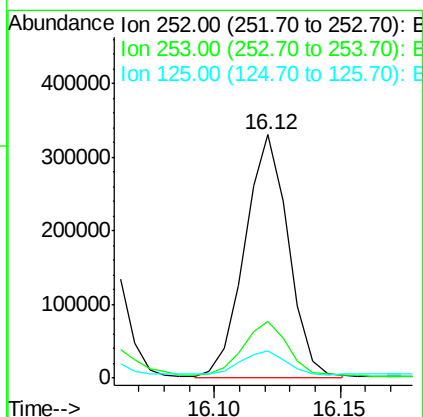
RT: 16.12 min Scan# 2386

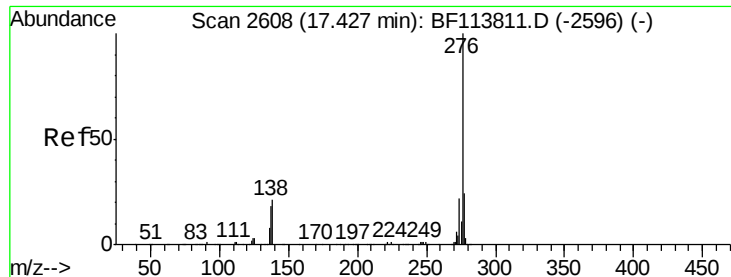
Delta R.T. 0.67 min

Lab File: BF113858.D

Acq: 19 Apr 2019 15:11

Tgt Ion:	252	Resp:	401370
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.5	26.3
125	11.1	8.5	12.7





#92
 Benzo(g,h,i)perylene
 Concen: 10.015 ng m
 RT: 18.20 min Scan# 2740
 Delta R.T. 0.78 min
 Lab File: BF113858.D
 Acq: 19 Apr 2019 15:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-A

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.4
138	21.9	16.6	25.0

Manual Integrations
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 4/22/2019 7:26:38 PM

