

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
 Data File : BF113044.D
 Acq On : 13 Mar 2019 22:42
 Operator : JU/SJ
 Sample : K1693-07 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-031219-B

Manual Integrations
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Quant Time: Mar 14 02:41:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	154981	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	666252	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	384965	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	709186	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	539976	20.00	ng	0.00
87) Perylene-d12	15.27	264	507580	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	167642	16.83	ng	-0.01
7) Phenol-d6	6.36	99	230596	18.43	ng	-0.01
23) Nitrobenzene-d5	7.28	82	131297	11.79	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	96690	23.66	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	362899	11.57	ng	-0.01
79) Terphenyl-d14	12.82	244	392453	14.09	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.03	128	232299	7.023	ng	98
37) 2-Methylnaphthalene	8.72	142	275952	12.918	ng	98
38) 1-Methylnaphthalene	8.82	142	265881	12.849	ng	98
52) Acenaphthene	9.79	154	60761	2.496	ng	99
58) Fluorene	10.30	166	187721	7.476	ng	97
71) Phenanthrene	11.26	178	835057	23.666	ng	99
72) Anthracene	11.31	178	177649	4.810	ng	97
75) Fluoranthene	12.45	202	782572	20.701	ng	96
78) Pyrene	12.67	202	981229	21.555	ng	99
81) Benzo(a)anthracene	13.85	228	368690	9.852	ng	93
83) Chrysene	13.89	228	356761m	9.732	ng	
86) Indeno(1,2,3-cd)pyrene	16.62	276	122525m	3.921	ng	
88) Benzo(b)fluoranthene	14.87	252	344471m	10.492	ng	
89) Benzo(k)fluoranthene	14.89	252	112118m	3.770	ng	
90) Benzo(a)pyrene	15.21	252	274014	9.436	ng	96
92) Benzo(g,h,i)perylene	17.03	276	127673	5.131	ng	96

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

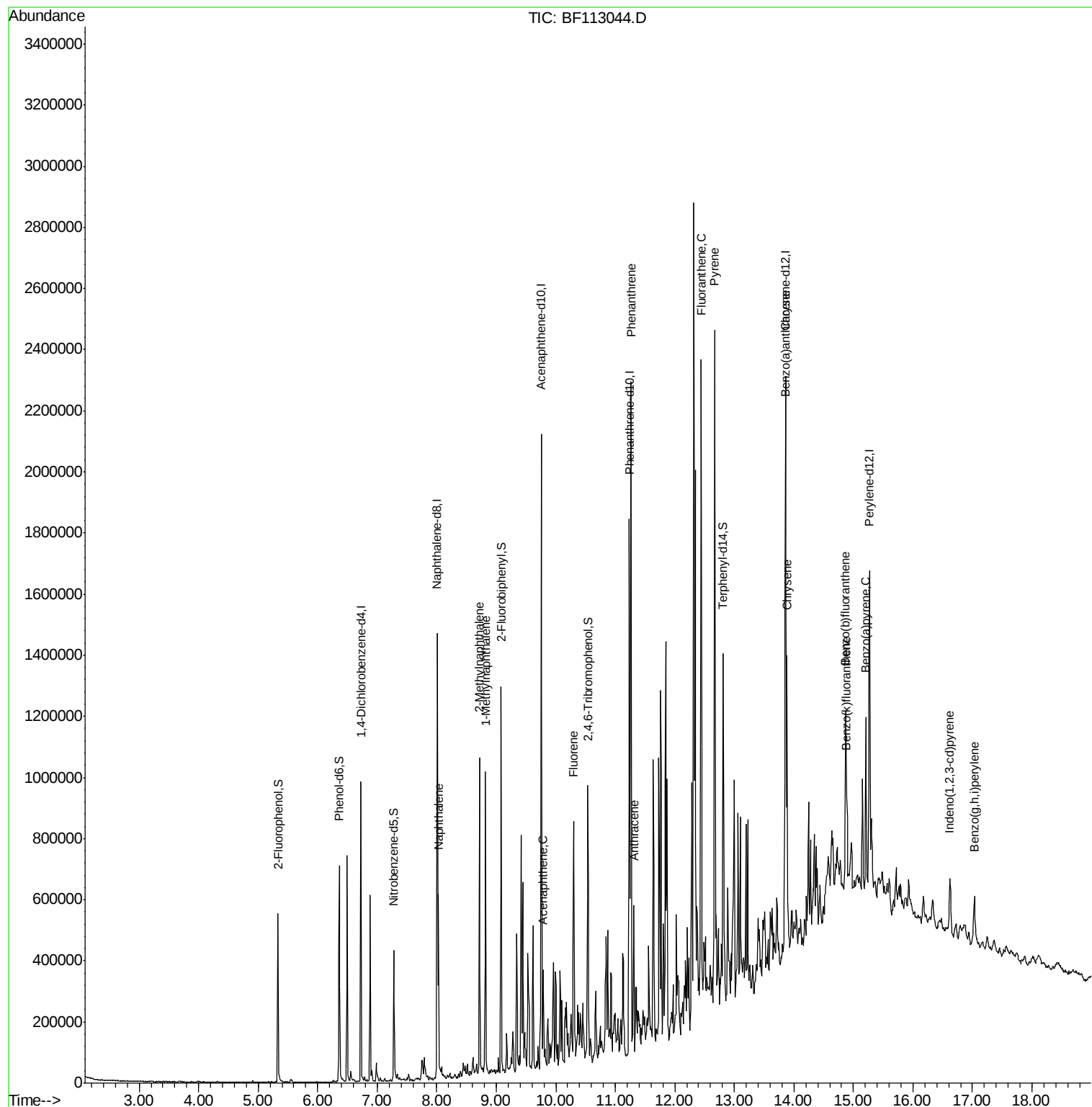
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
Data File : BF113044.D
Acq On : 13 Mar 2019 22:42
Operator : JU/SJ
Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

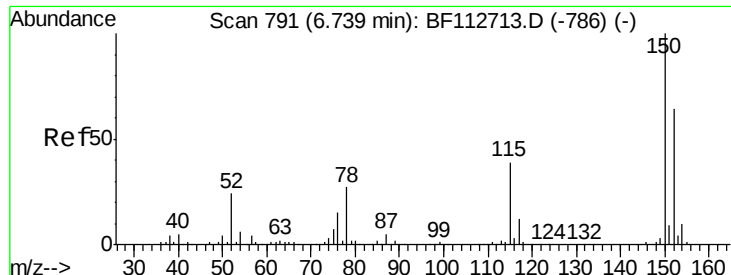
Instrument :
BNA_F
ClientSampleId :
OR-02-031219-B

Quant Time: Mar 14 02:41:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 13 03:42:55 2019
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#1

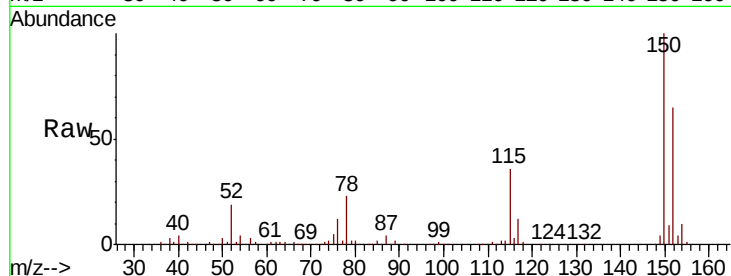
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 22:42

Instrument :
BNA_F
ClientSampleId :
OR-02-031219-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.2	186.2
115	55.4	48.2	72.4

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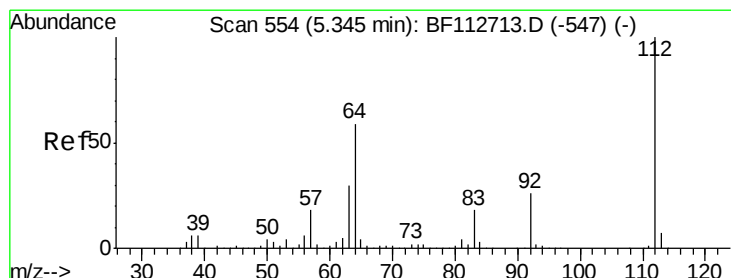
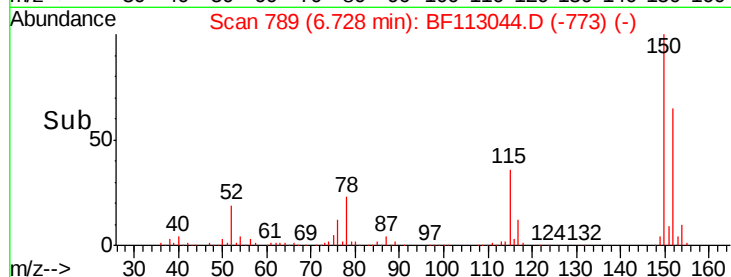
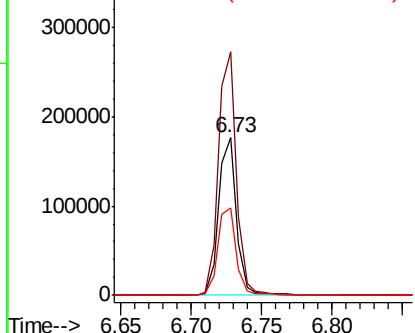


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

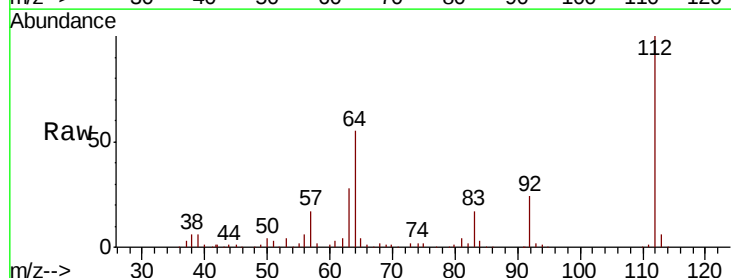
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 16.826 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 22:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	47.6	71.4
63	28.2	24.4	36.6

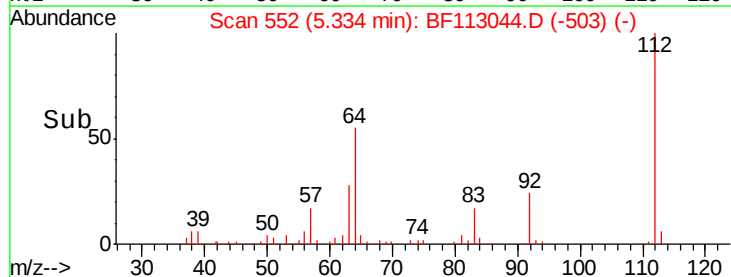
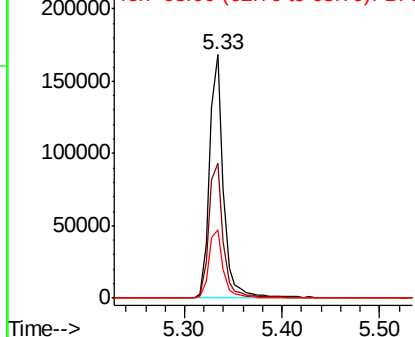


Abundance

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: 18.425 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113044.D

Acq: 13 Mar 2019 22:42

Instrument :

BNA_F

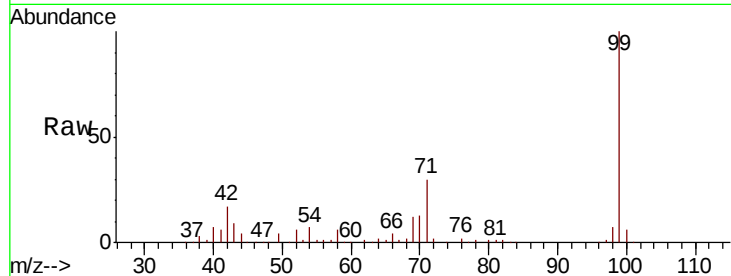
ClientSampleId :

OR-02-031219-B

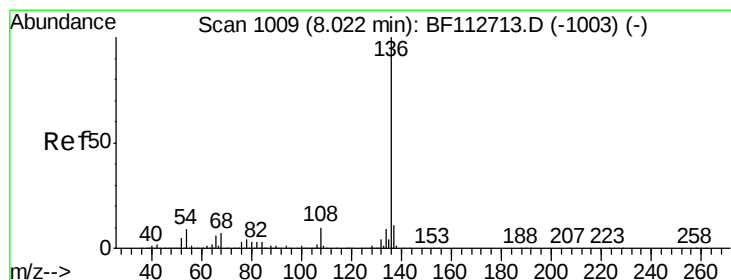
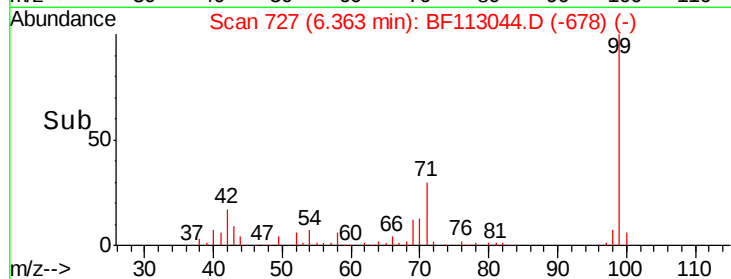
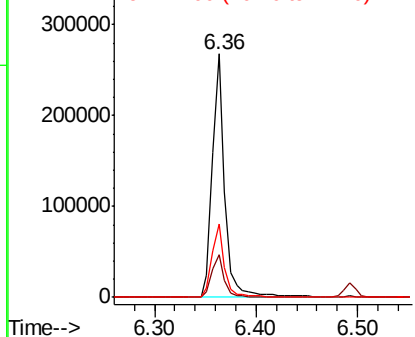
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		230596		
42	17.5	16.3	24.5		
71	29.9	26.2	39.4		

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

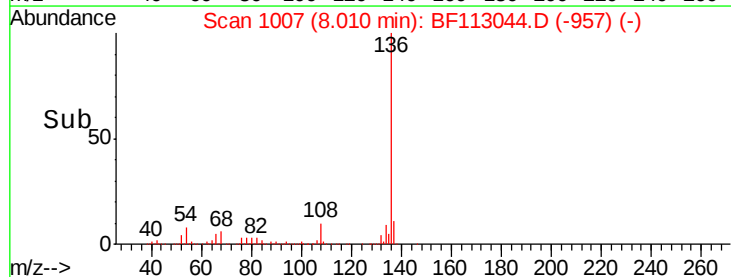
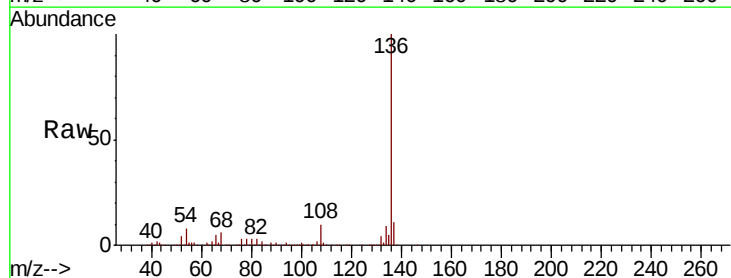
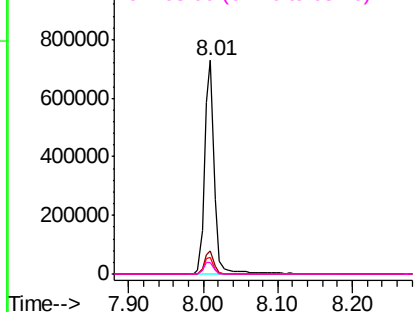
Delta R.T. -0.01 min

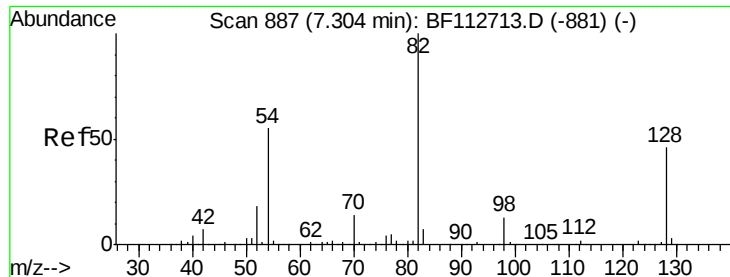
Lab File: BF113044.D

Acq: 13 Mar 2019 22:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		666252		
137	11.0	8.9	13.3		
54	7.5	7.3	10.9		
68	5.7	5.4	8.2		

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





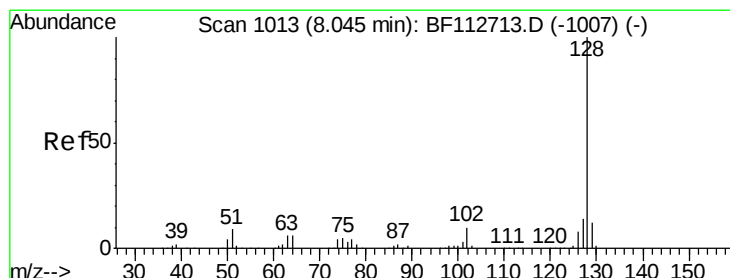
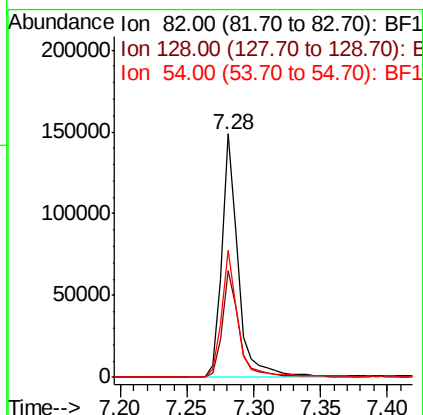
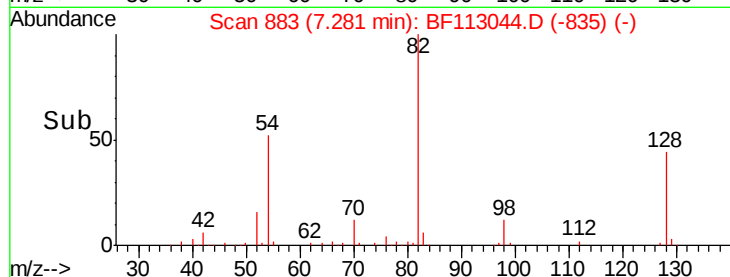
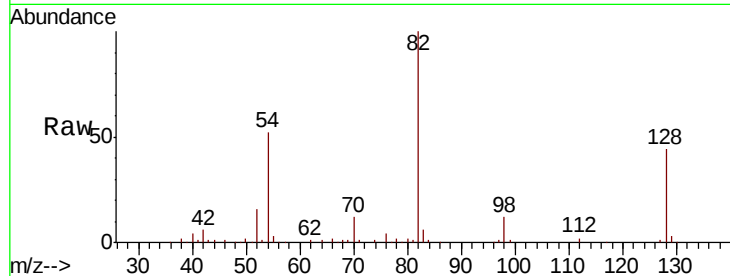
#23
Nitrobenzene-d5
Concen: 11.792 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113044.D
Acq: 13 Mar 2019 22:42

Instrument :
BNA_F
ClientSampleId :
OR-02-031219-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.3	54.5
54	52.2	43.7	65.5

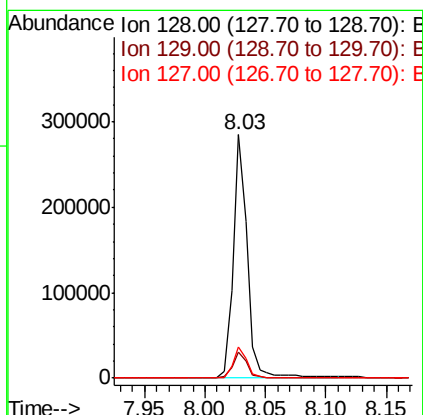
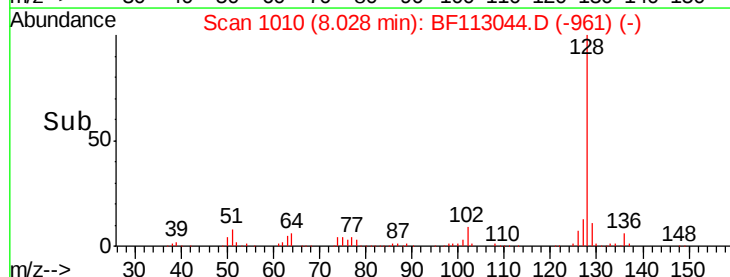
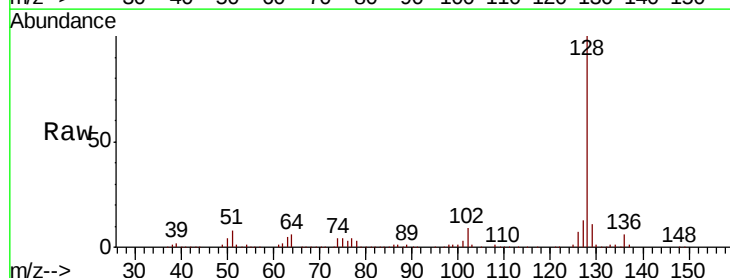
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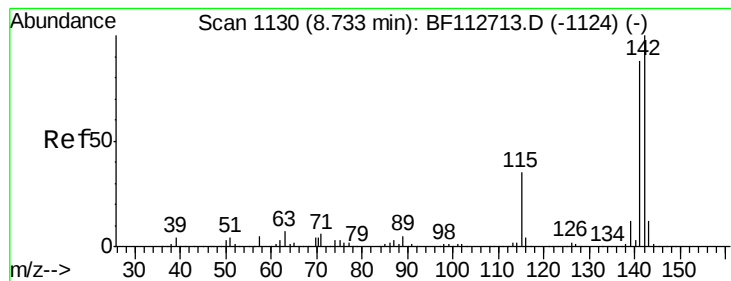
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#31
Naphthalene
Concen: 7.023 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 22:42

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.3	13.9
127	12.8	10.9	16.3





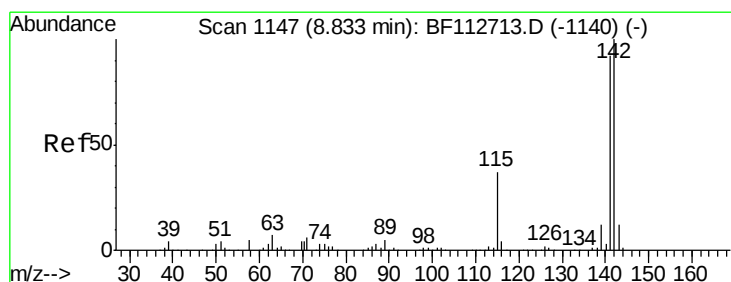
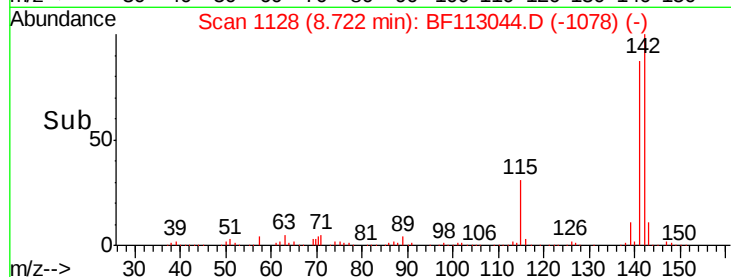
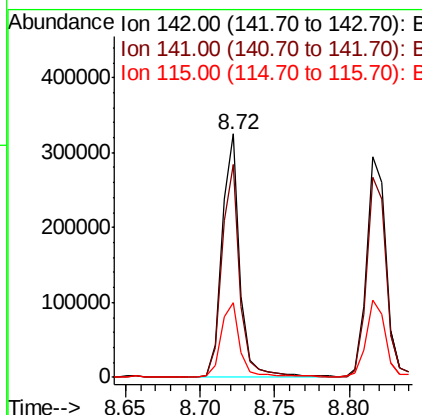
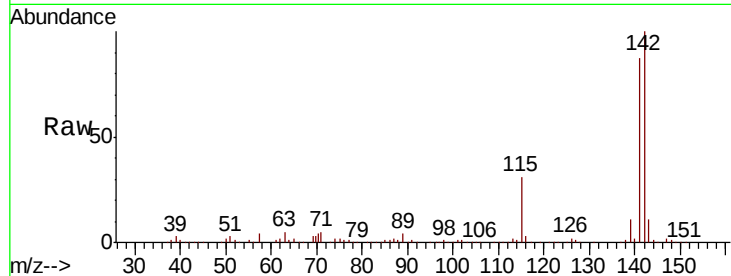
#37
2-Methylnaphthalene
Concen: 12.918 ng
RT: 8.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 22:42

Instrument :
BNA_F
ClientSampleId :
OR-02-031219-B

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.3	105.5
115	30.8	27.8	41.6

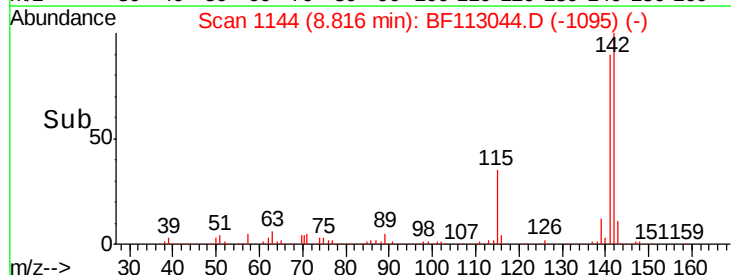
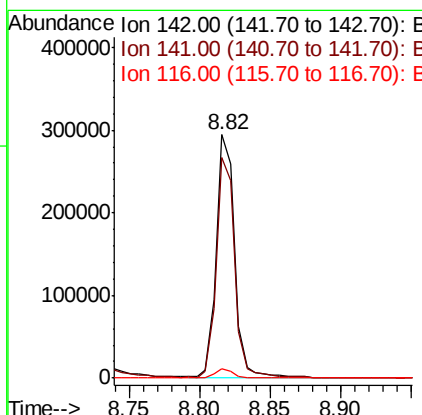
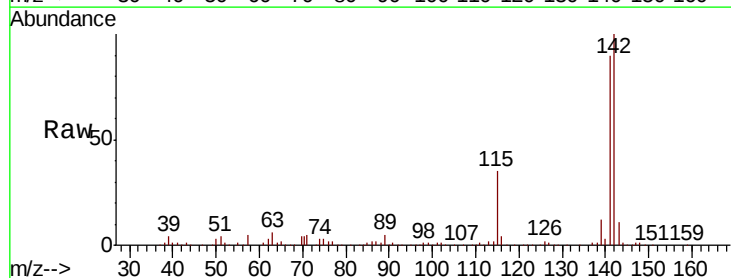
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#38
1-Methylnaphthalene
Concen: 12.849 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 22:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.5	73.7	110.5
116	3.7	3.1	4.7





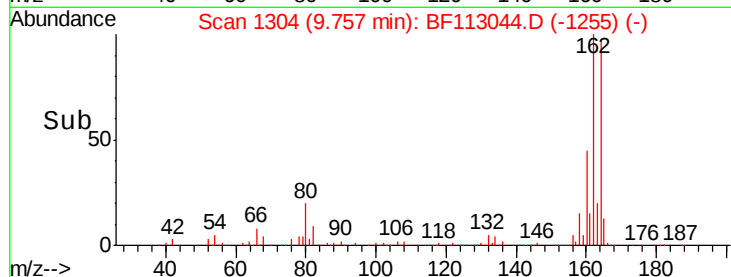
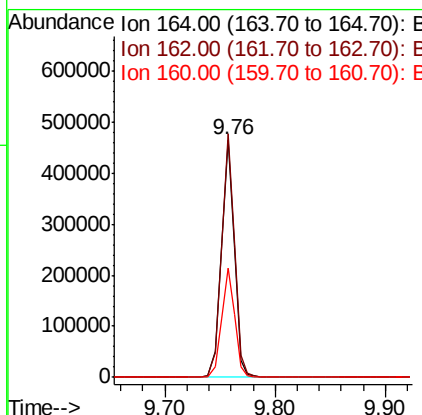
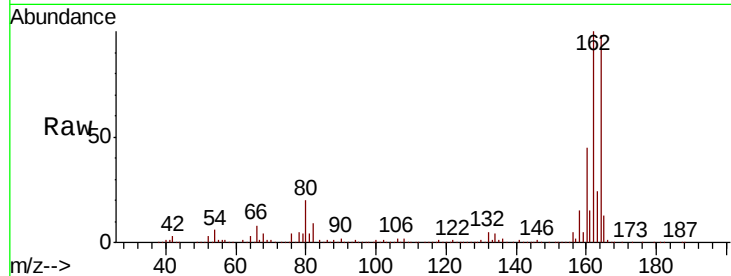
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 22:42

Instrument :
BNA_F
ClientSampleId :
OR-02-031219-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.4	80.6	120.8	
160	46.1	36.0	54.0	

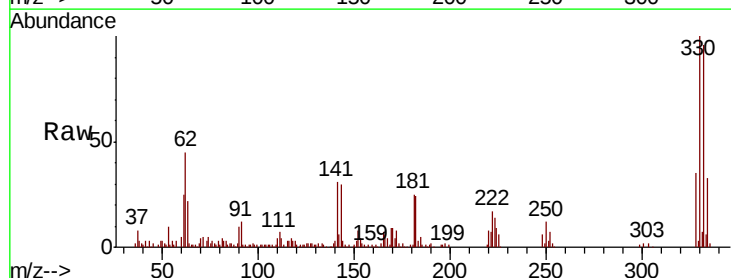
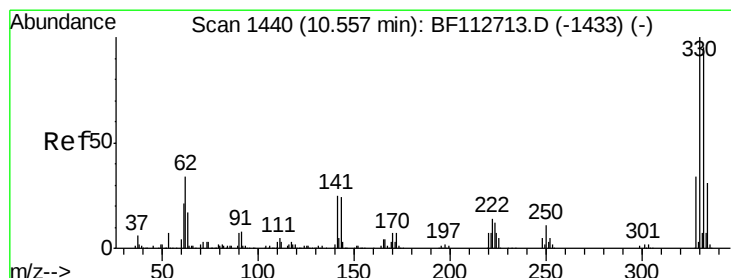
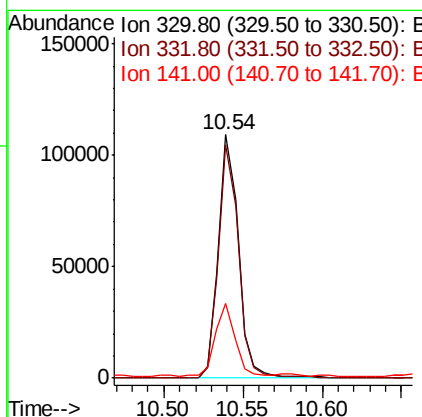
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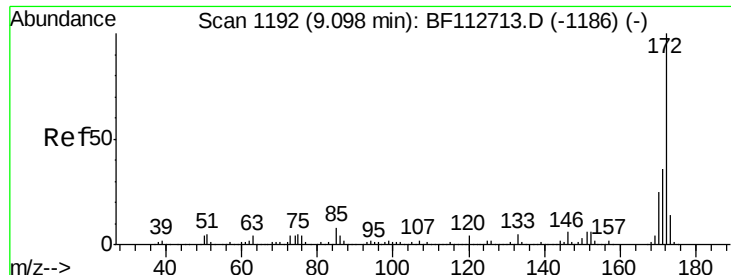
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#42
2,4,6-Tribromophenol
Concen: 23.659 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 22:42

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	76.2	114.4	
141	28.8	27.0	40.6	





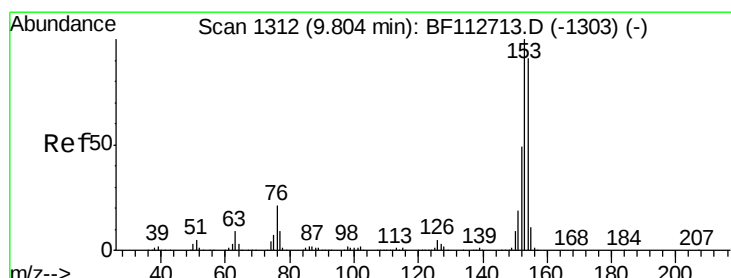
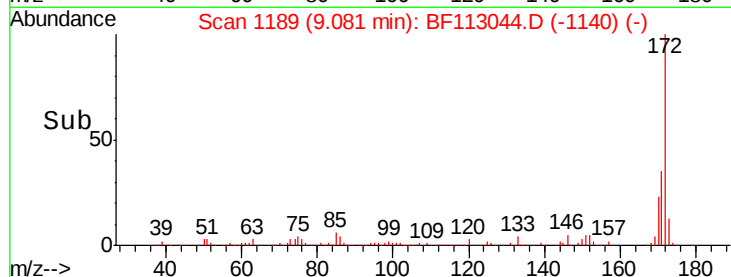
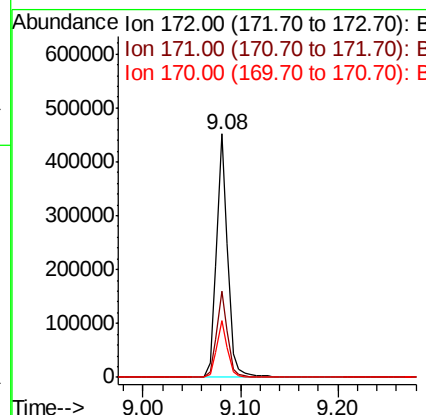
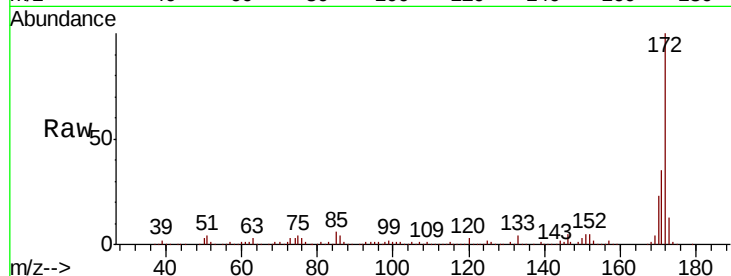
#45
2-Fluorobiphenyl
Concen: 11.571 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 22:42

Instrument :
BNA_F
ClientSampleId :
OR-02-031219-B

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.4
170	23.5	20.0	30.0

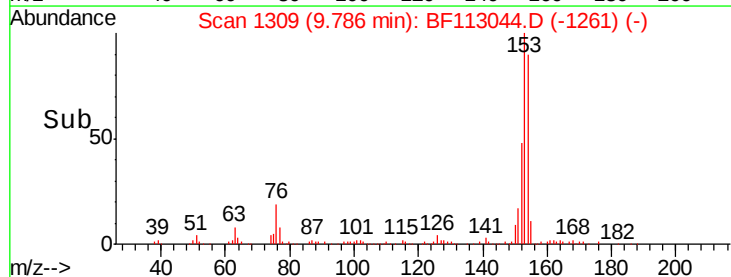
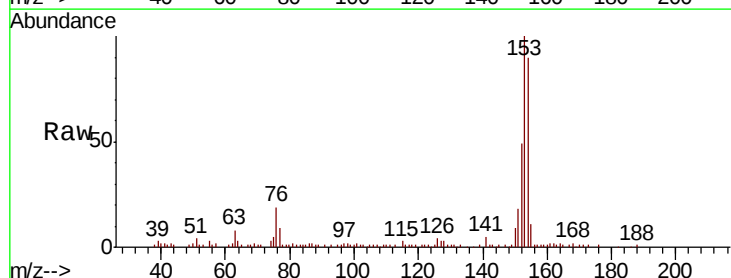
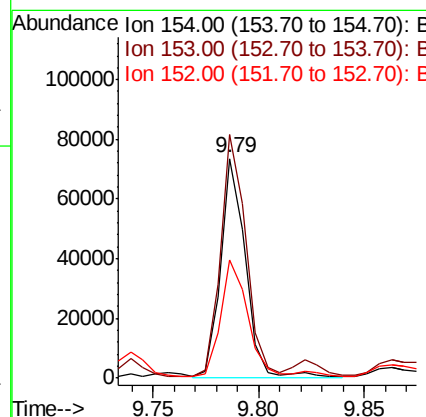
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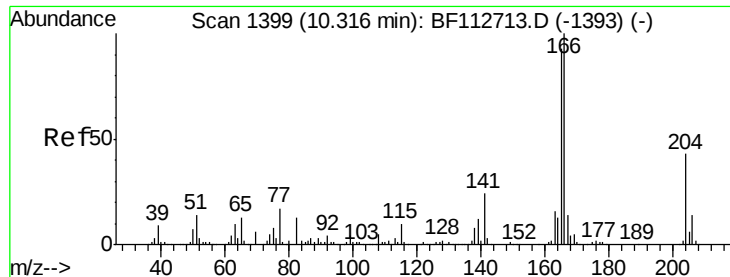
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#52
Acenaphthene
Concen: 2.496 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF113044.D
Acq: 13 Mar 2019 22:42

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.9	87.8	131.8
152	53.8	43.0	64.6





#58

Fluorene

Concen: 7.476 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BF113044.D

Acq: 13 Mar 2019 22:42

Instrument :

BNA_F

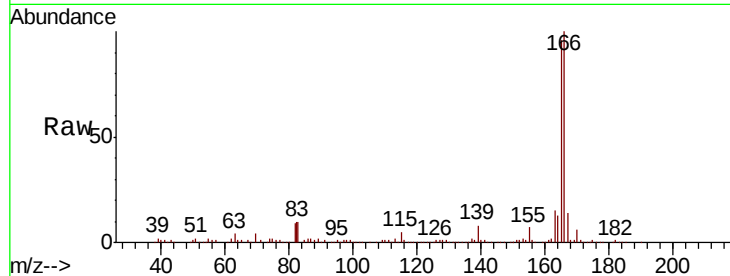
ClientSampleId :

OR-02-031219-B

Tot Ion:	166	Resp:	187721
Ion Ratio	Lower	Upper	
166	100		
165	96.5	74.7	112.1
167	13.6	11.0	16.6

Manual Integrations
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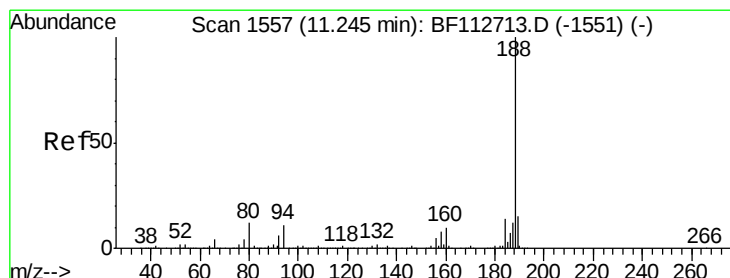
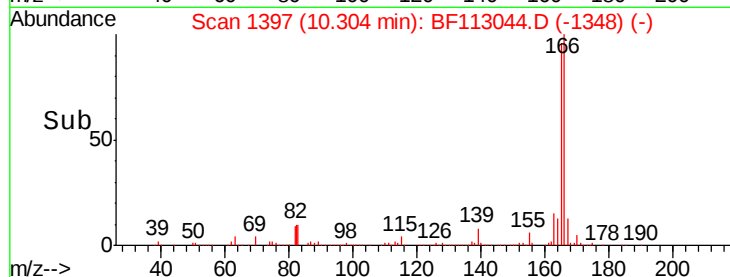
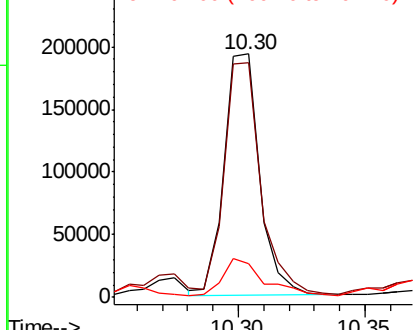


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113044.D

Acq: 13 Mar 2019 22:42

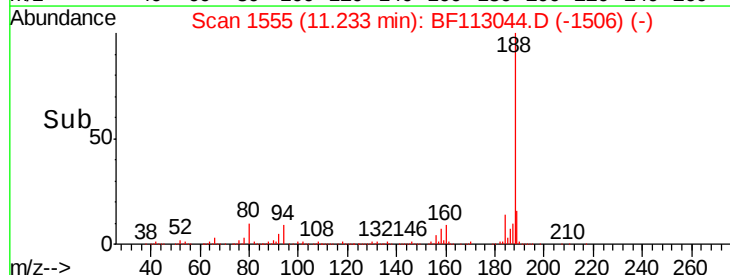
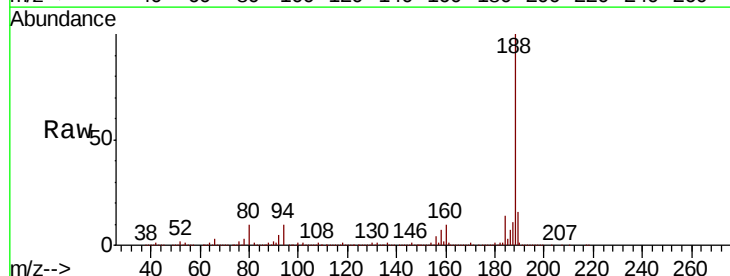
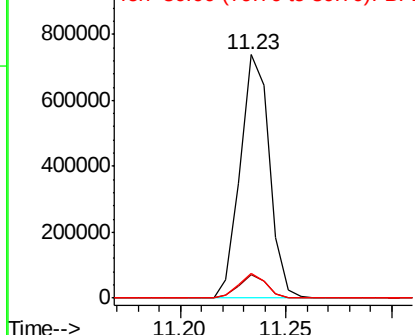
Tgt Ion:	188	Resp:	709186
Ion Ratio	Lower	Upper	
188	100		
94	9.5	9.0	13.4
80	10.1	9.2	13.8

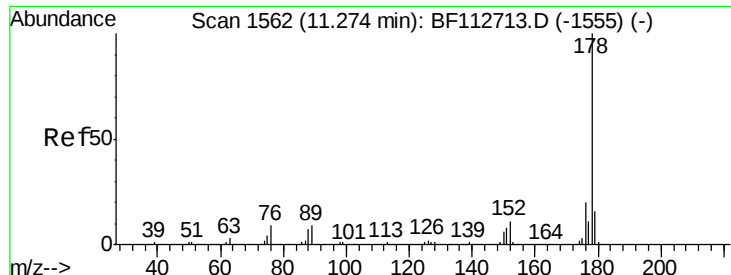
Abundance

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





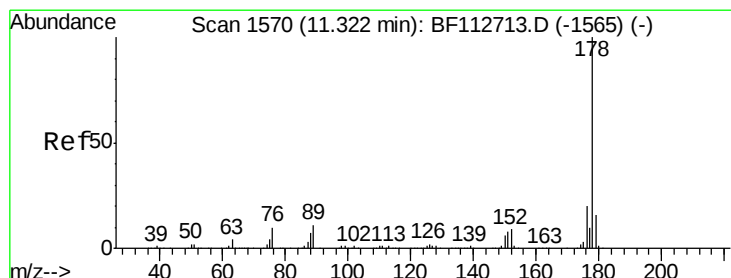
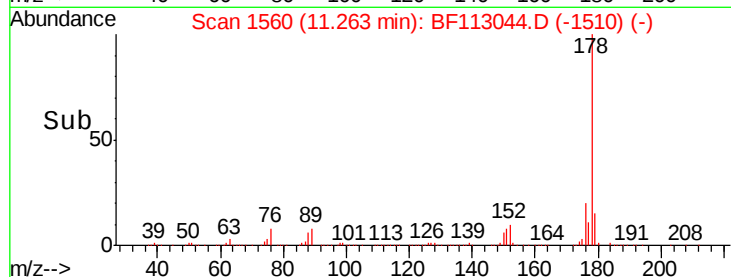
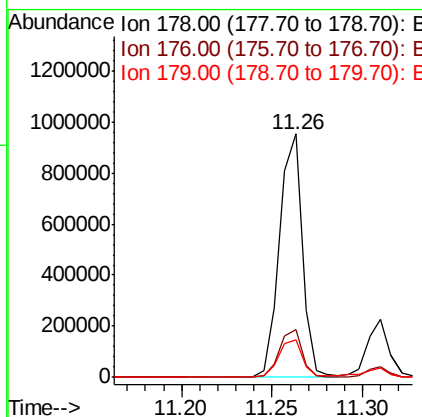
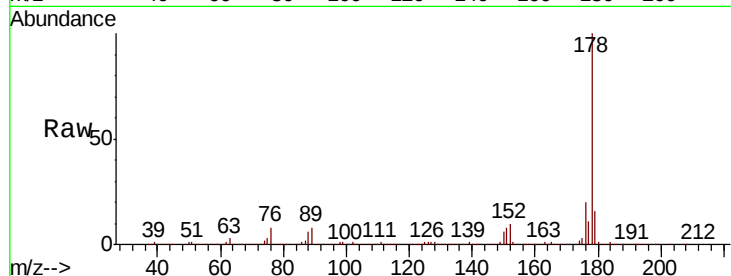
#71
Phenanthrene
Concen: 23.666 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 22:42

Instrument :
BNA_F
ClientSampleId :
OR-02-031219-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.3	24.5
179	15.6	12.7	19.1

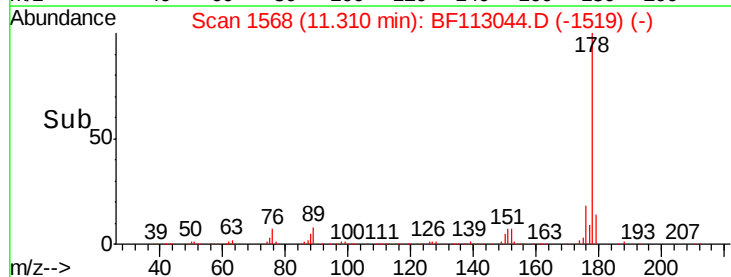
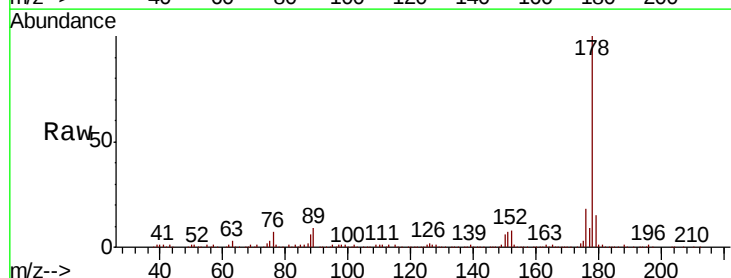
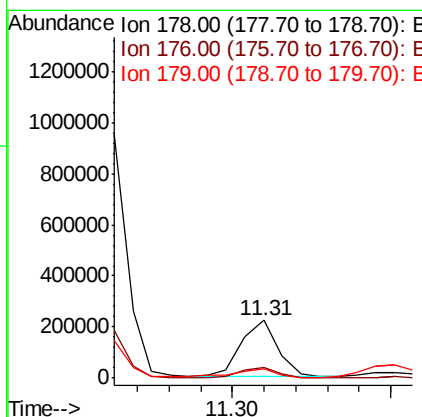
Manual Integrations
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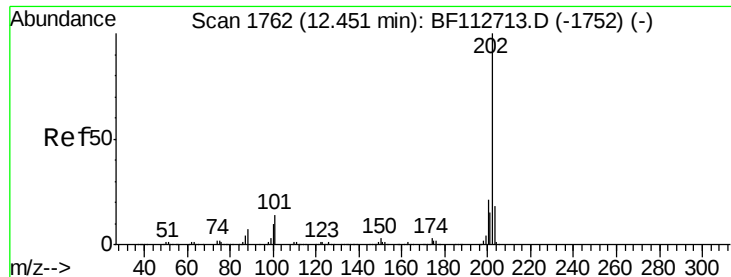
Sohil
3/14/2019 10:50:15 AM



#72
Anthracene
Concen: 4.810 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 22:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.6
179	15.3	13.0	19.6





#75

Fluoranthene

Concen: 20.701 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113044.D

Acq: 13 Mar 2019 22:42

Instrument :

BNA_F

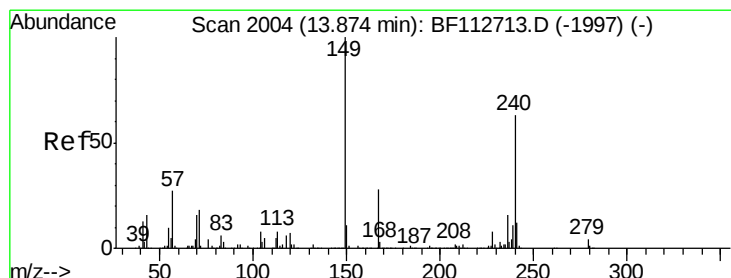
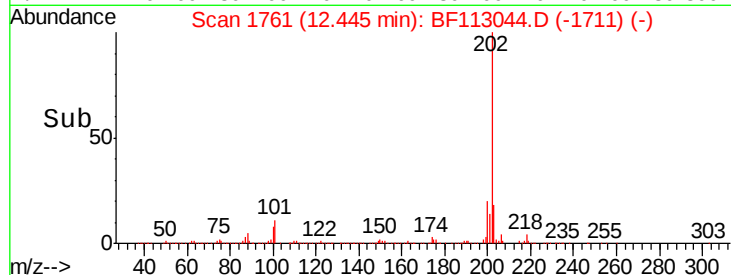
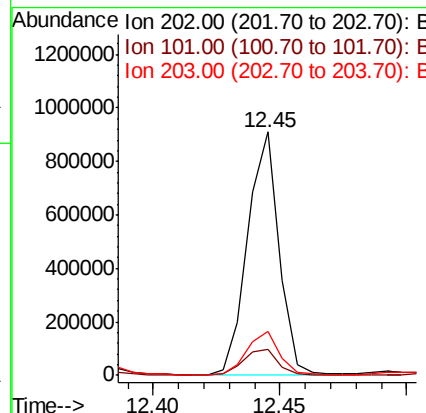
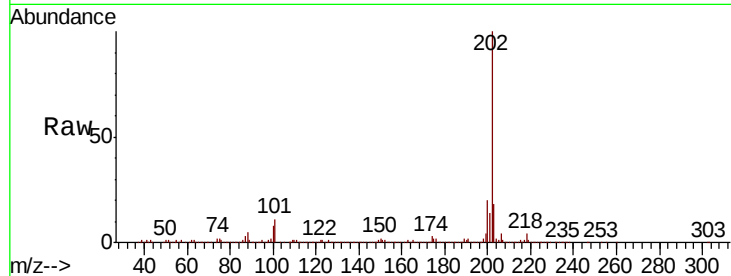
ClientSampleId :

OR-02-031219-B

Tot Ion:	202	Resp:	782572
Ion Ratio		Lower	Upper
202	100		
101	10.6	0.0	33.8
203	18.1	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

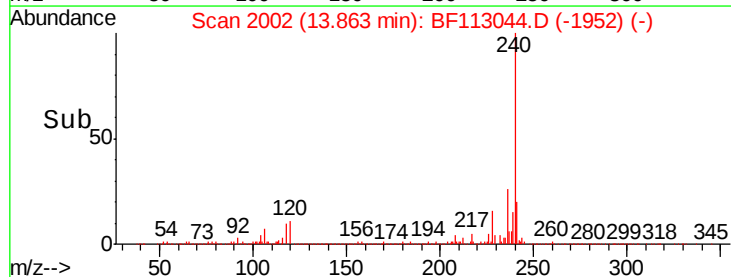
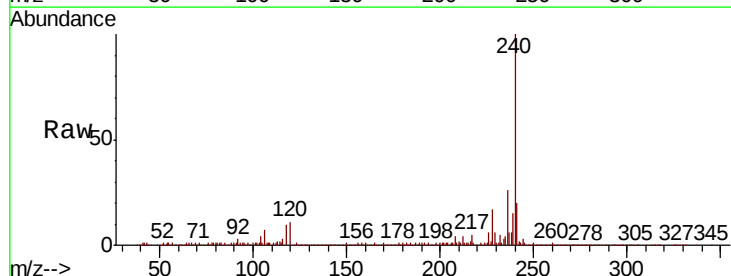
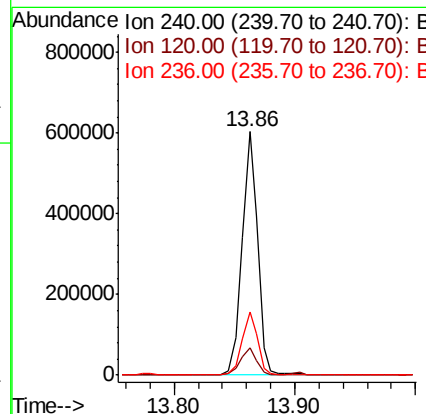
RT: 13.86 min Scan# 2002

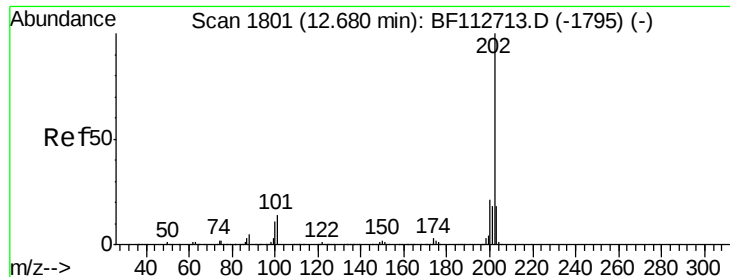
Delta R.T. -0.01 min

Lab File: BF113044.D

Acq: 13 Mar 2019 22:42

Tgt Ion:	240	Resp:	539976
Ion Ratio		Lower	Upper
240	100		
120	11.3	8.9	13.3
236	25.9	20.7	31.1





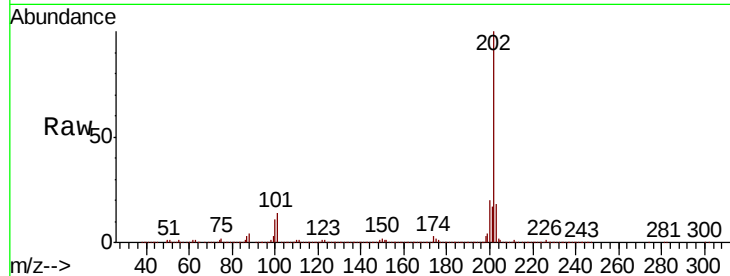
#78
Pvrene
Concen: 21.555 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 22:42

Instrument :
BNA_F
ClientSampleId :
OR-02-031219-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.3	17.0	25.4
203	18.0	14.4	21.6

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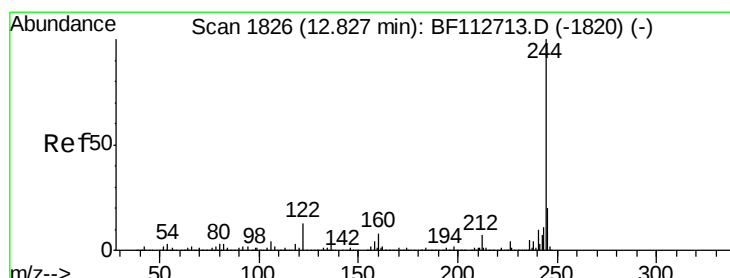
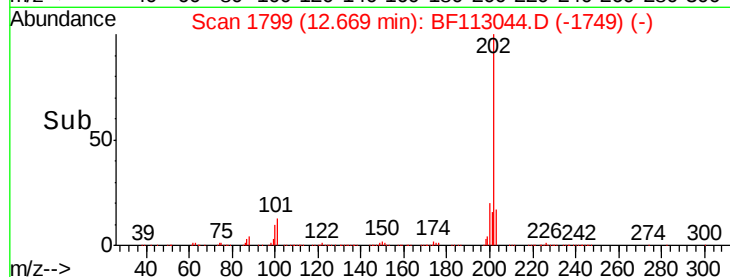
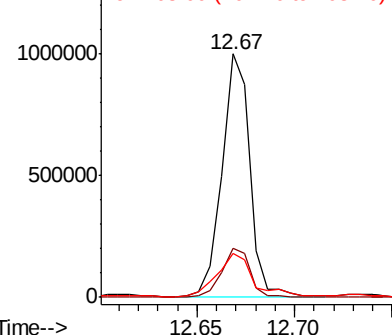


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 14.089 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 22:42

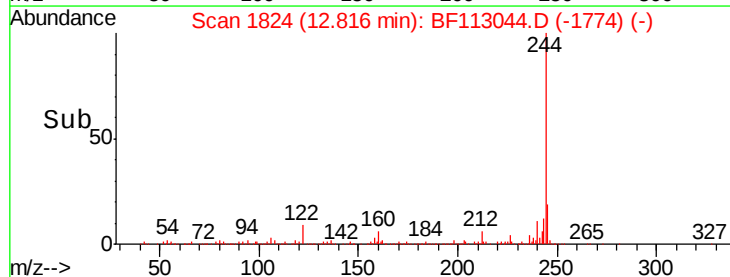
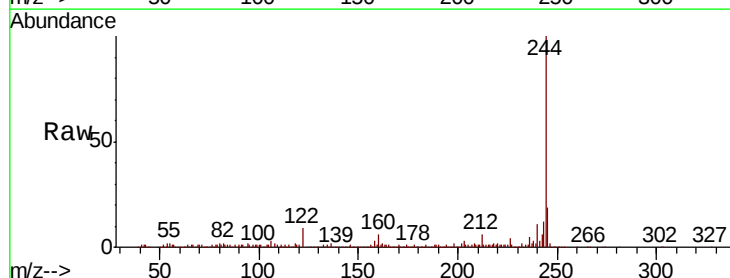
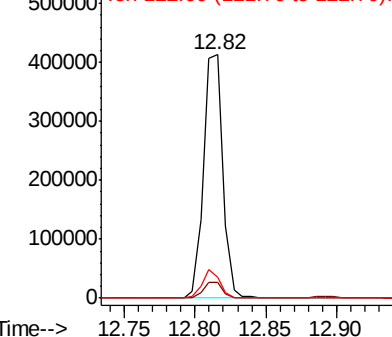
Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.2	5.6	8.4
122	8.8	10.5	15.7#

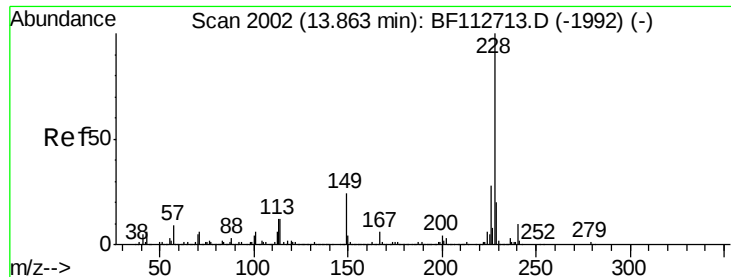
Abundance

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: 9.852 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF113044.D

Acq: 13 Mar 2019 22:42

Instrument :

BNA_F

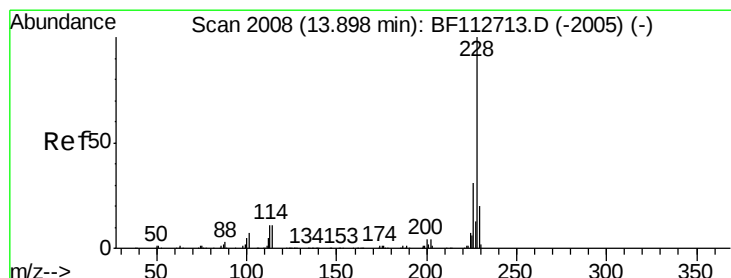
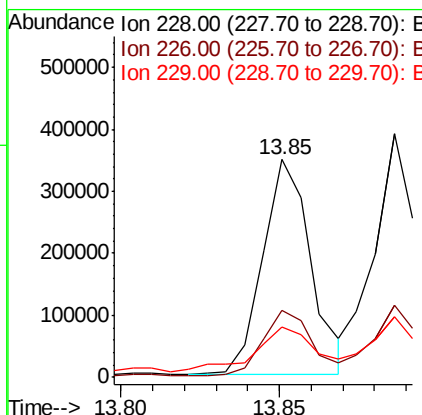
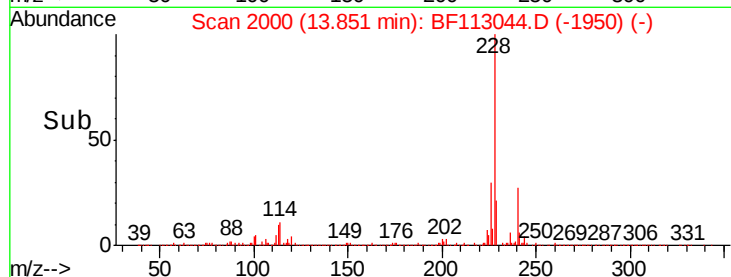
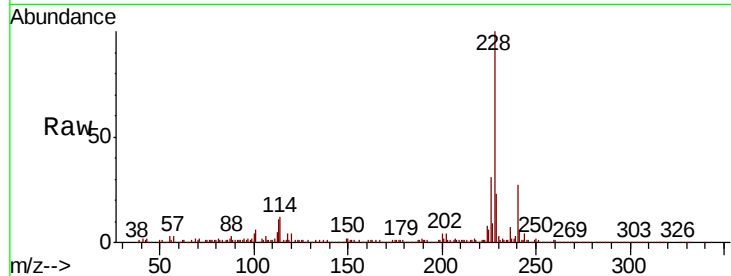
ClientSampleId :

OR-02-031219-B

Tot Ion:	228	Resp:	368690
Ion Ratio	Lower	Upper	
228	100		
226	30.9	22.2	33.4
229	23.4	16.0	24.0

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#83

Chrysene

Concen: 9.732 ng m

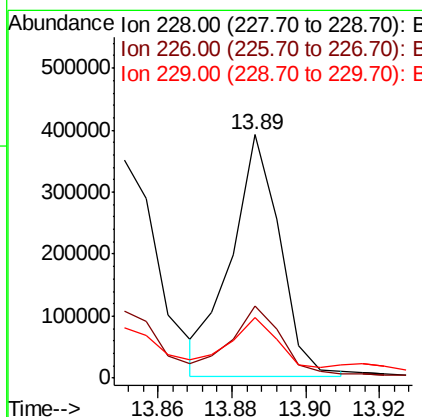
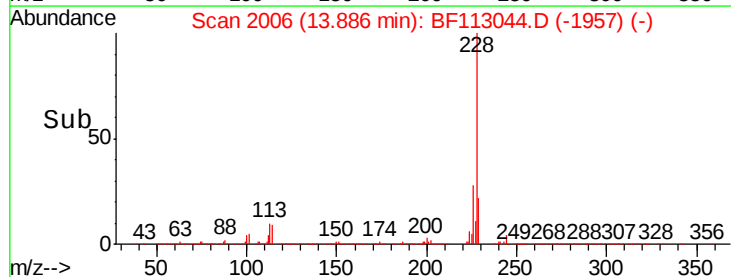
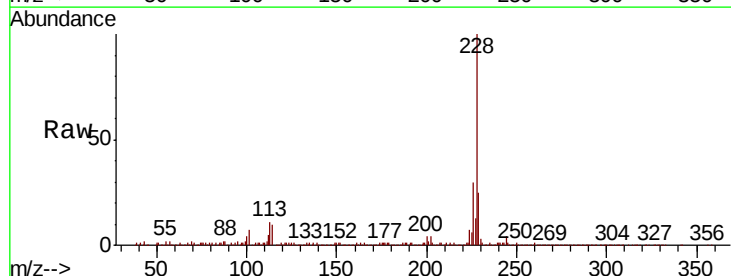
RT: 13.89 min Scan# 2006

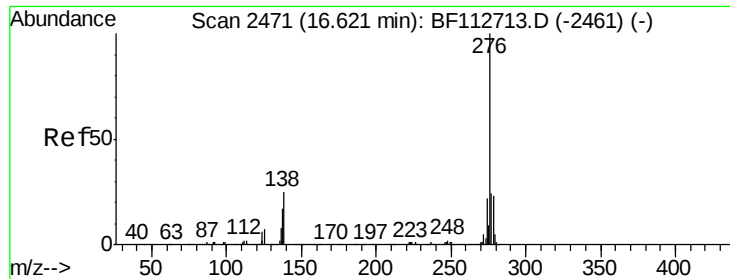
Delta R.T. -0.01 min

Lab File: BF113044.D

Acq: 13 Mar 2019 22:42

Tgt Ion:	228	Resp:	356761
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.9	37.3
229	24.8	16.3	24.5





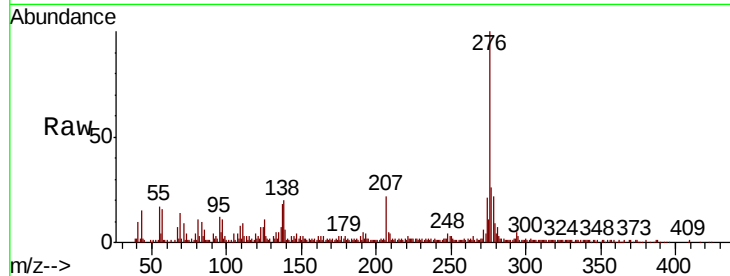
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.921 ng/ml
RT: 16.62 min Scan# 2471
Delta R.T. -0.02 min
Lab File: BF113044.D
Acq: 13 Mar 2019 22:42

Instrument :
BNA_F
ClientSampleId :
OR-02-031219-B

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	4.9	23.2	34.8#
277	4.3	19.9	29.9#

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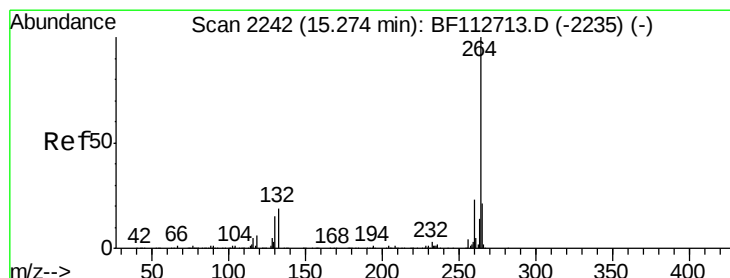
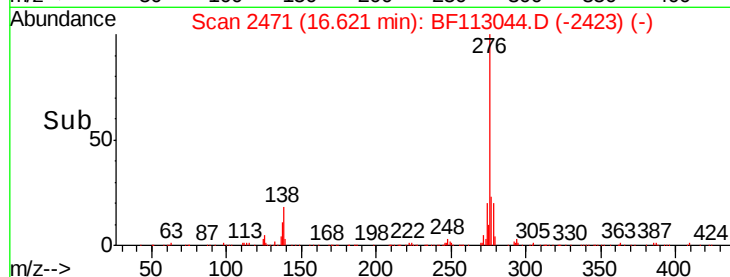
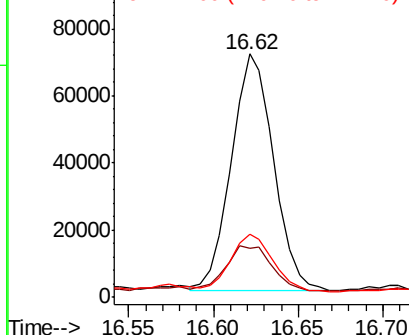


Abundance

Ion 276.00 (275.70 to 276.70): E

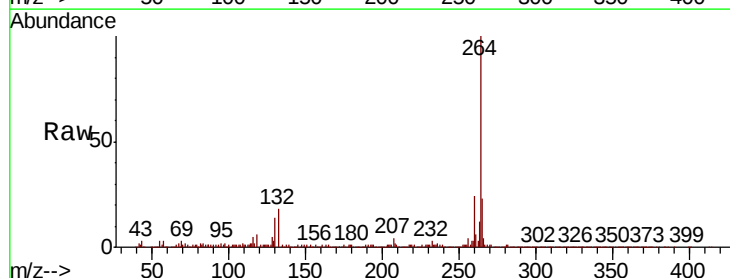
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 22:42

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.9	18.7	28.1
265	23.0	17.2	25.8

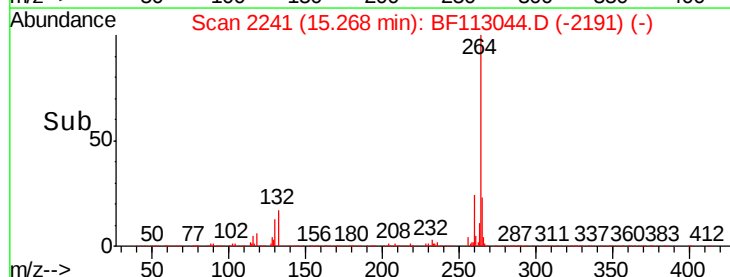
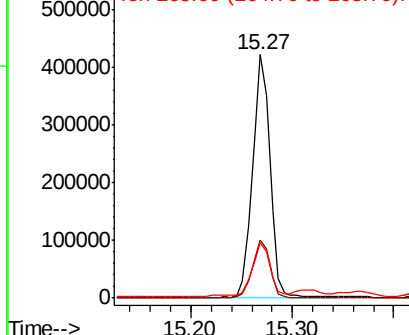


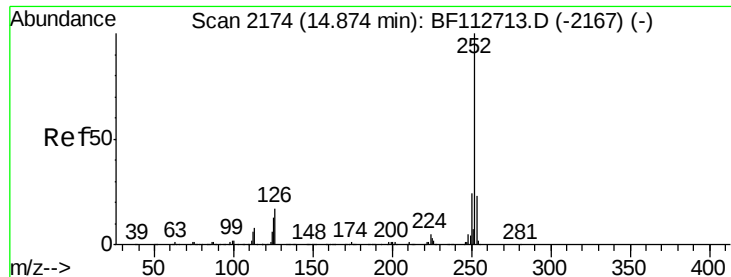
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 10.492 ng m

RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF113044.D

Acq: 13 Mar 2019 22:42

Instrument :

BNA_F

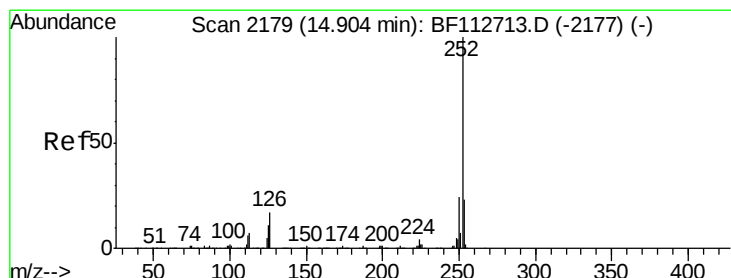
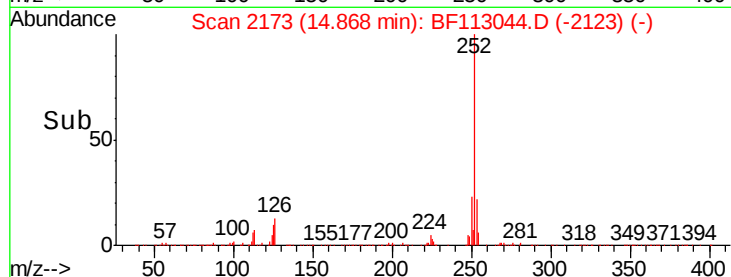
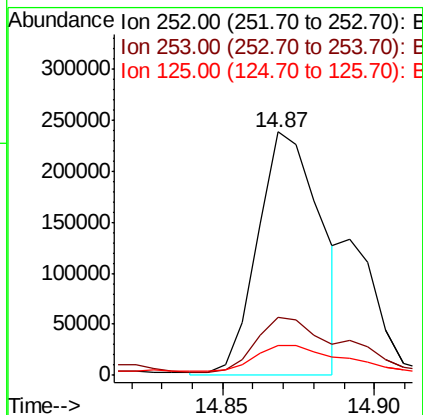
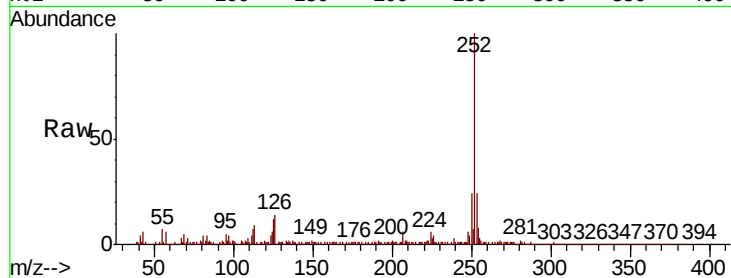
ClientSampleId :

OR-02-031219-B

Tot Ion:	252	Resp:	344471
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.0	27.0
125	12.3	10.2	15.2

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#89

Benzo(k)fluoranthene

Concen: 3.770 ng m

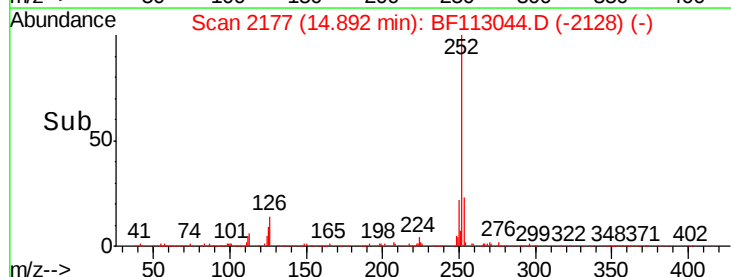
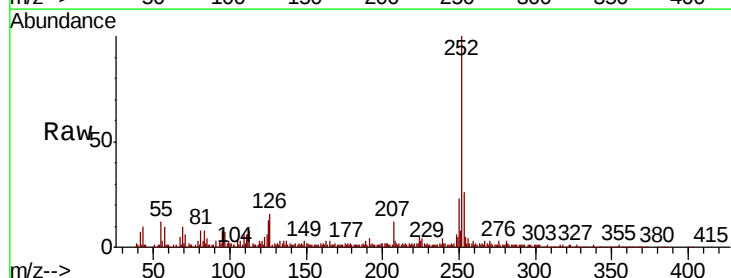
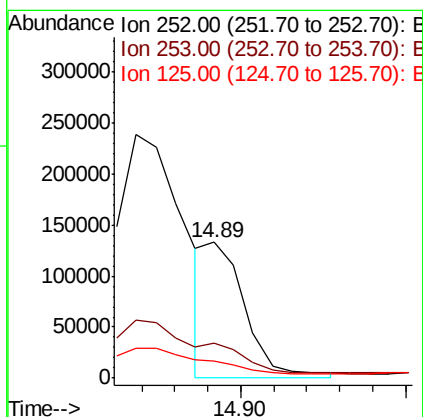
RT: 14.89 min Scan# 2177

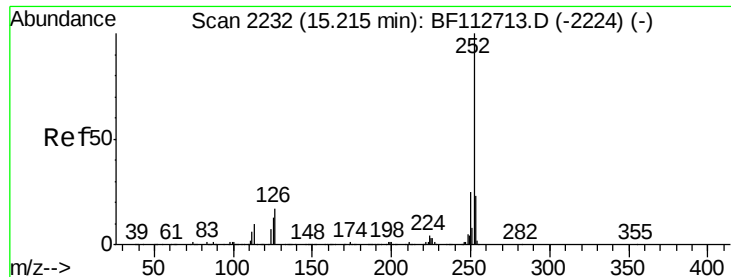
Delta R.T. -0.01 min

Lab File: BF113044.D

Acq: 13 Mar 2019 22:42

Tgt Ion:	252	Resp:	112118
Ion Ratio	Lower	Upper	
252	100		
253	25.8	18.2	27.2
125	12.9	9.8	14.6





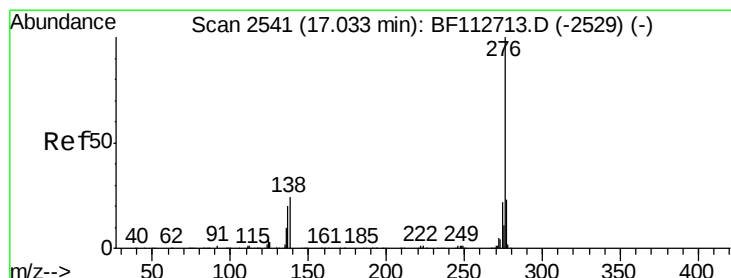
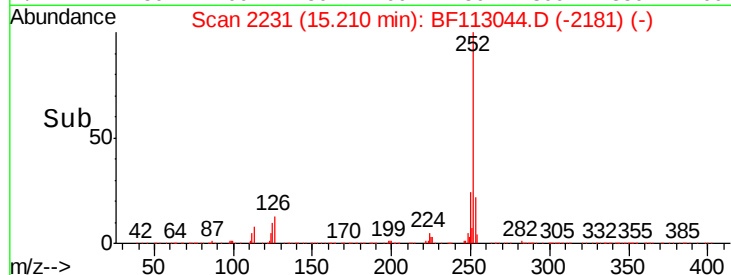
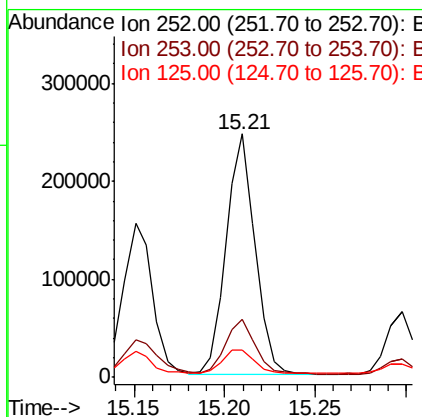
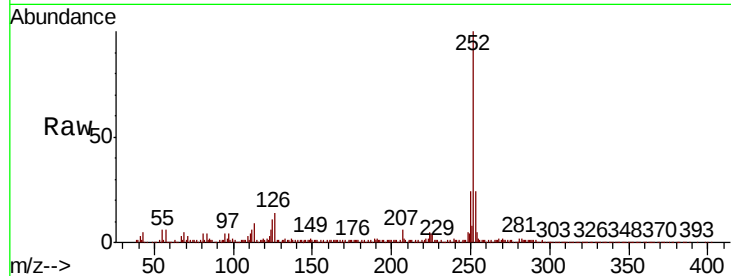
#90
Benzo(a)pyrene
Concen: 9.436 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 22:42

Instrument :
BNA_F
ClientSampleId :
OR-02-031219-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	11.2	10.7	16.1

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 5.131 ng
RT: 17.03 min Scan# 2541
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 22:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	27.8
138	22.2	19.4	29.0

