

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
 Data File : BF112914.D
 Acq On : 7 Mar 2019 6:38
 Operator : JU/SJ
 Sample : K1705-10RE
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW012-022719RE

Manual Integrations
 APPROVED

Sohil
 3/7/2019 11:03:14 AM

Quant Time: Mar 07 08:09:29 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	362284	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	1279185	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	575783	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	1084966	20.00	ng	0.00
76) Chrysene-d12	13.87	240	951068	20.00	ng	0.00
87) Perylene-d12	15.27	264	836230	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1012439	43.47	ng	0.00
7) Phenol-d6	6.37	99	1260849	43.10	ng	0.00
23) Nitrobenzene-d5	7.29	82	741405	34.68	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	323911	52.99	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1186999	28.32	ng	-0.01
79) Terphenyl-d14	12.82	244	1165659	23.76	ng	0.00

Target Compounds				Qvalue		
50) Dimethylphthalate	9.48	163	94801	2.233	ng	99
52) Acenaphthene	9.79	154	129721	3.563	ng	98
55) Dibenzofuran	9.96	168	151354	2.860	ng	95
58) Fluorene	10.30	166	131901	3.512	ng	97
71) Phenanthrene	11.27	178	1372056	25.417	ng	100
72) Anthracene	11.32	178	429886	7.608	ng	98
73) Carbazole	11.47	167	139185	2.525	ng	97
75) Fluoranthene	12.45	202	1518639	26.258	ng	97
78) Pyrene	12.67	202	1334678	16.647	ng	99
81) Benzo(a)anthracene	13.86	228	801761	12.163	ng	99
83) Chrysene	13.89	228	683822	10.591	ng	96
86) Indeno(1,2,3-cd)pyrene	16.62	276	208669m	3.791	ng	
88) Benzo(b)fluoranthene	14.87	252	675554m	12.490	ng	
89) Benzo(k)fluoranthene	14.90	252	187652m	3.830	ng	
90) Benzo(a)pyrene	15.21	252	432153	9.033	ng	98
92) Benzo(g,h,i)perylene	17.03	276	162870	3.973	ng	96

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

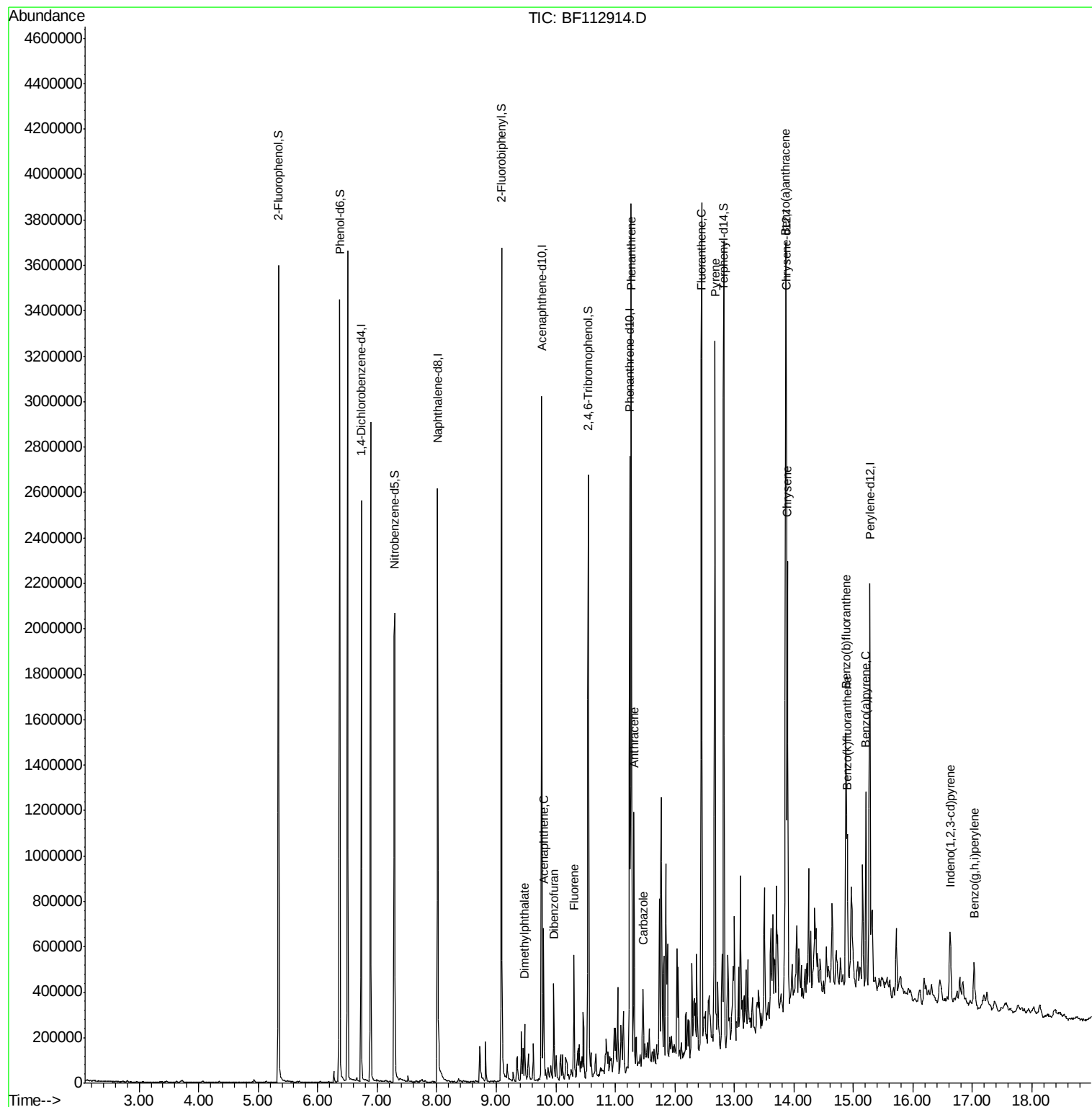
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112914.D
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ALS Vial : 24 Sample Multiplier: 1

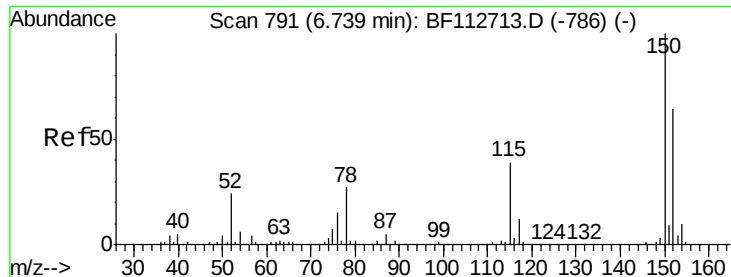
Instrument :
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EXT-027-SW012-022719RE

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#1

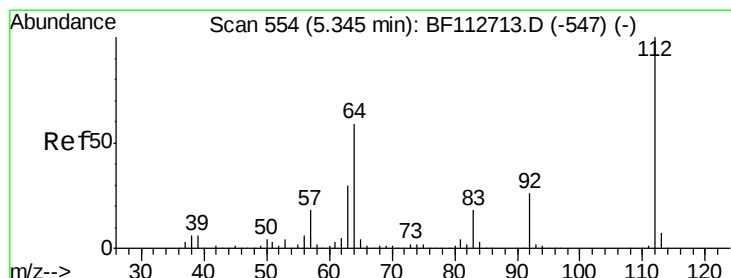
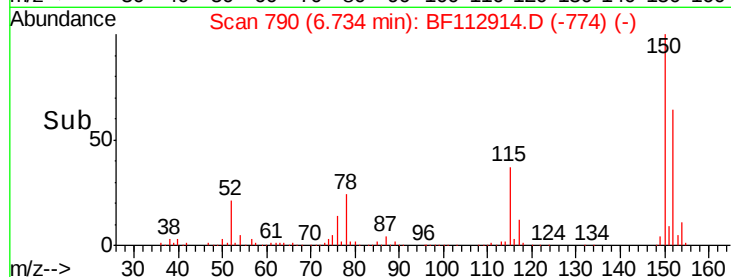
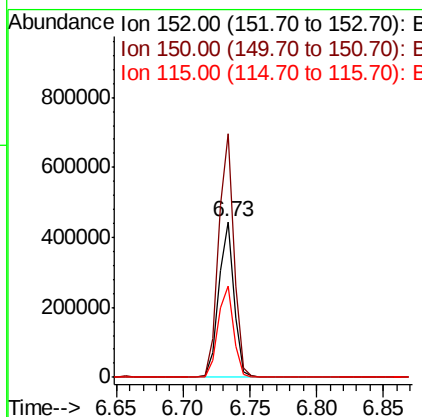
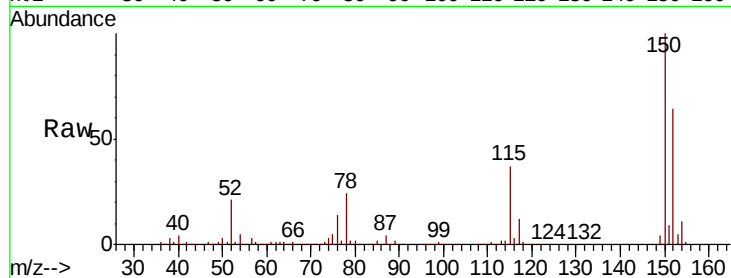
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW012-022719RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.2	186.2
115	58.5	48.2	72.4

Manual Integrations
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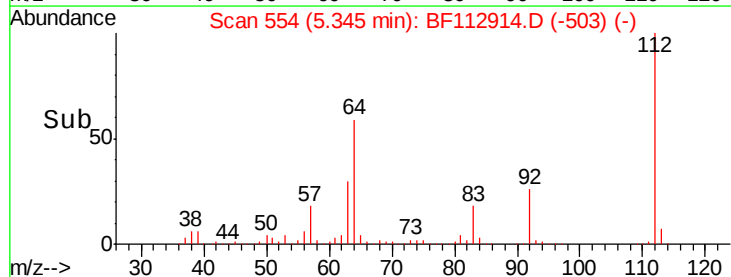
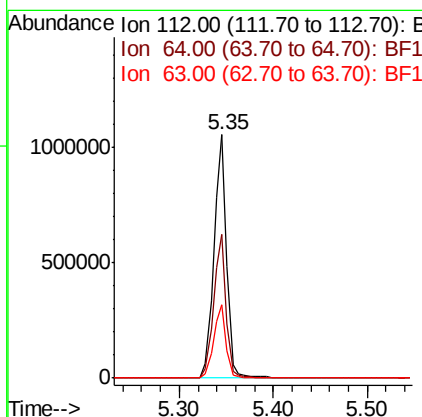
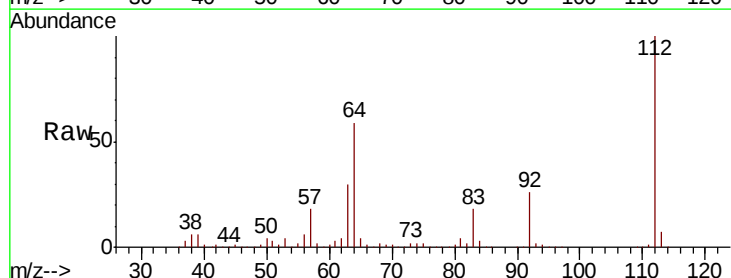
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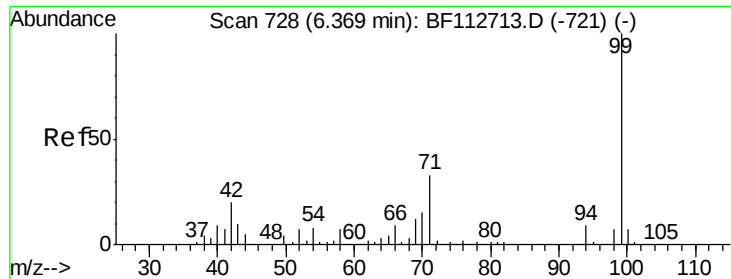


#5

2-Fluorophenol
Concen: 43.471 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.6	71.4
63	29.9	24.4	36.6





#7

Phenol-d6

Concen: 43.097 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW012-022719RE

Tot Ion: 99 Resp: 1260849

Ion Ratio Lower Upper

99 100

42 18.5 16.3 24.5

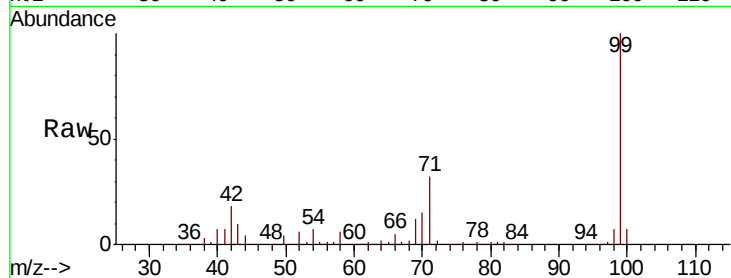
71 31.9 26.2 39.4

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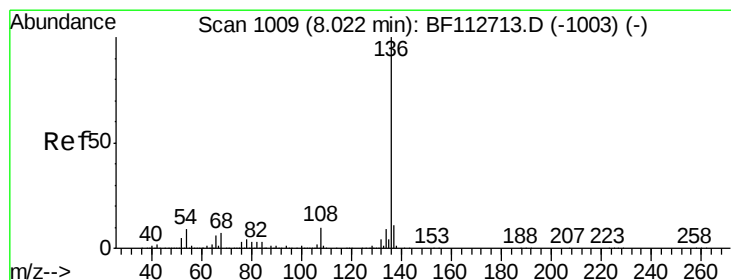
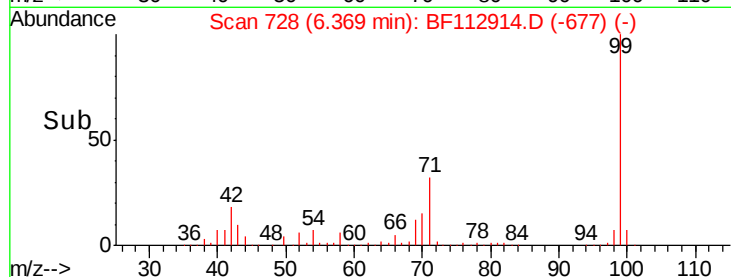
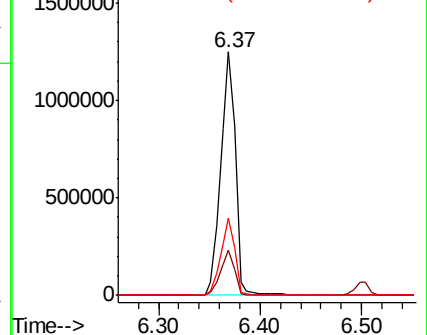
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Tgt Ion:136 Resp: 1279185

Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.8 7.3 10.9

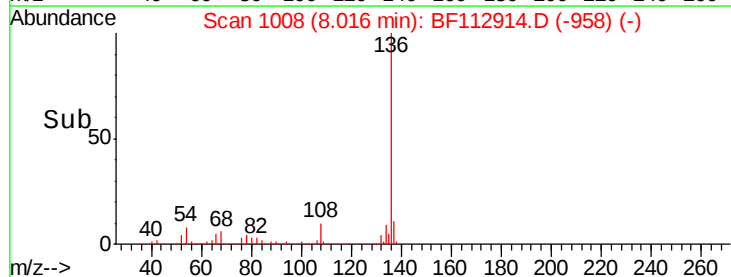
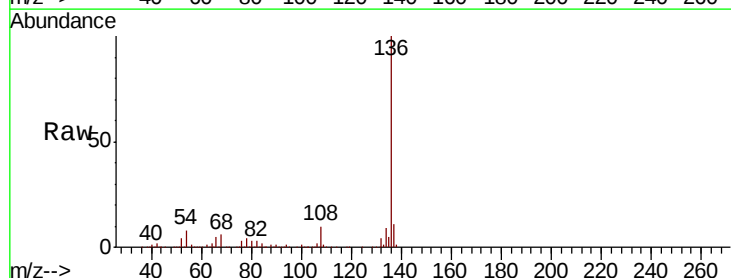
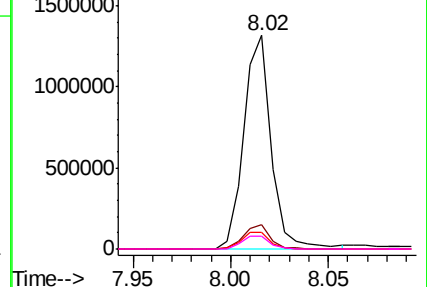
68 6.0 5.4 8.2

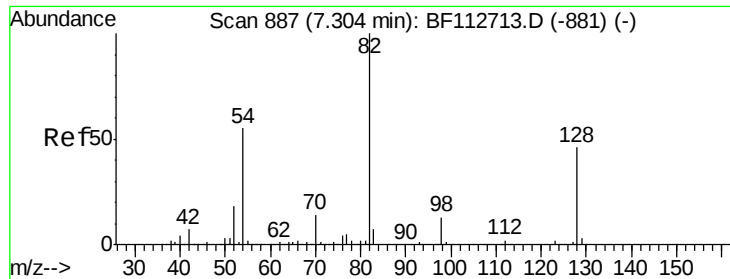
Abundance Ion 136.00 (135.70 to 136.70): E

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





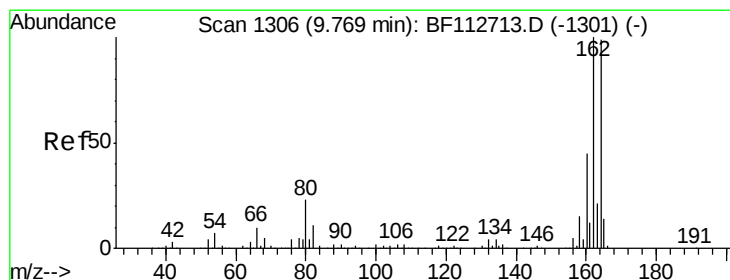
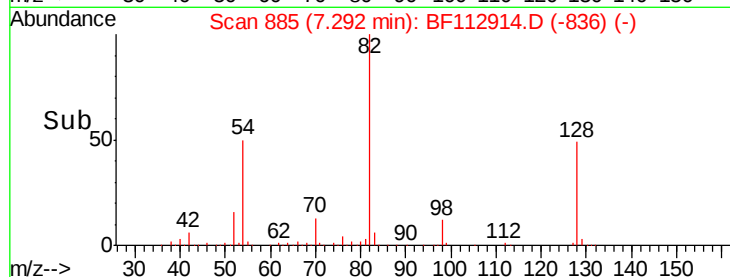
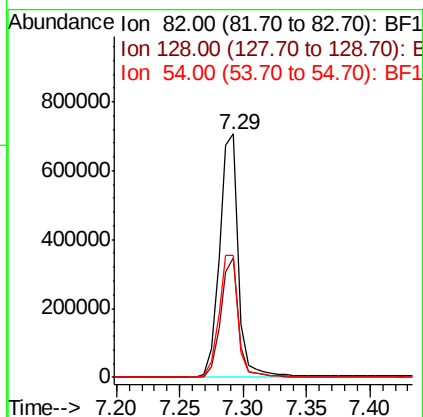
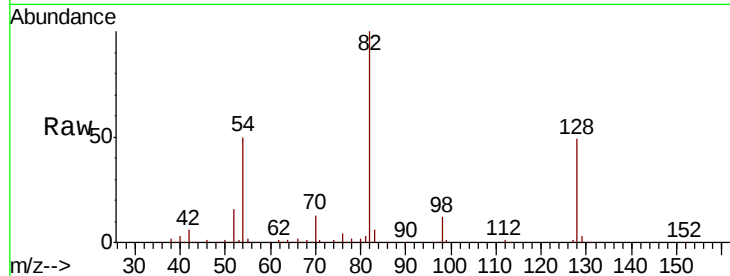
#23
Nitrobenzene-d5
Concen: 34.682 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW012-022719RE

Tot Ion	82	Resp	741405
Ion Ratio	100	Lower	Upper
128	49.0	36.3	54.5
54	50.2	43.7	65.5

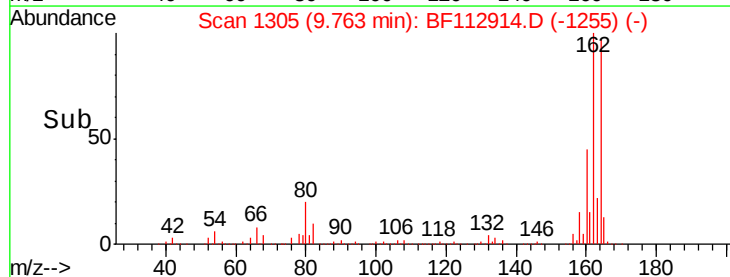
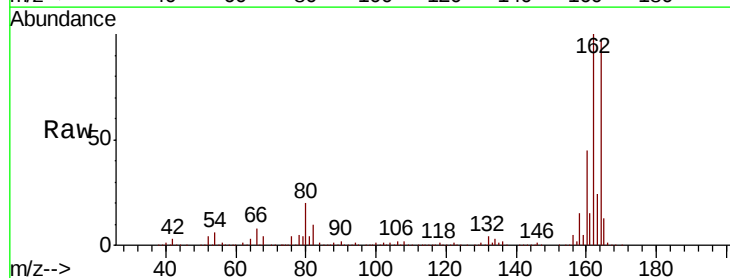
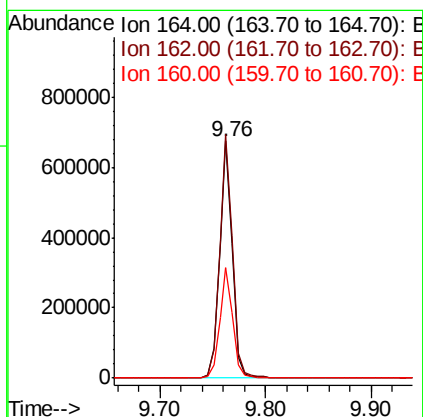
Manual Integrations
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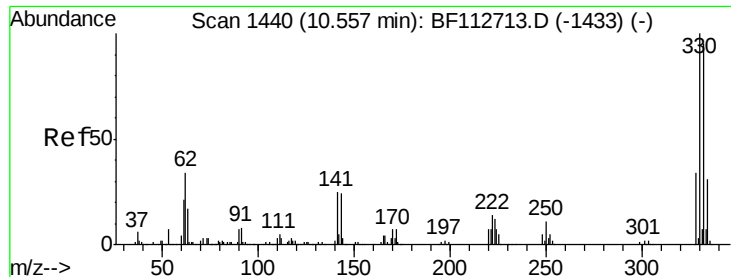
Sohil
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

Tgt Ion	164	Resp	575783
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	102.8	80.6	120.8
160	46.6	36.0	54.0





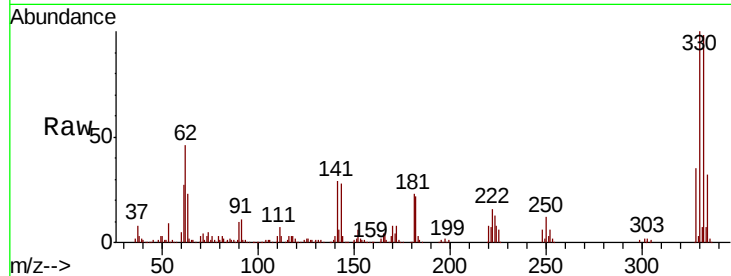
#42
 2,4,6-Tribromophenol
 Concen: 52.990 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112914.D
 Acq: 7 Mar 2019 6:38

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW012-022719RE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	323911		
332	96.6	76.2	114.4	
141	28.9	27.0	40.6	

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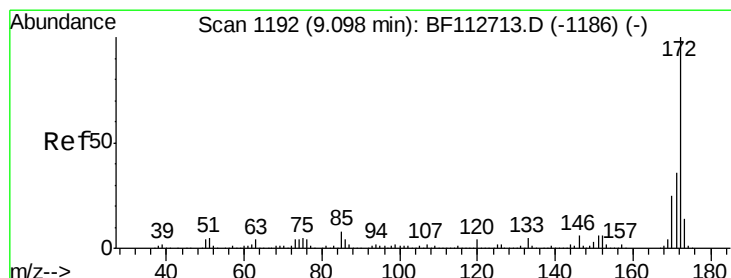
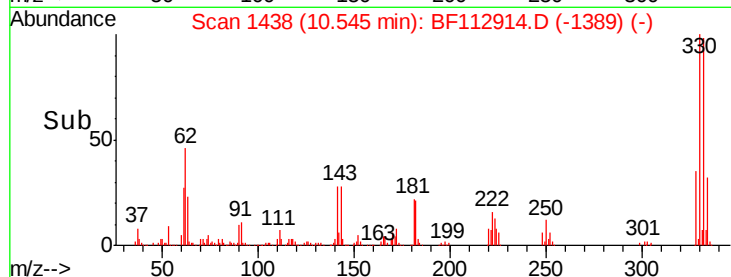
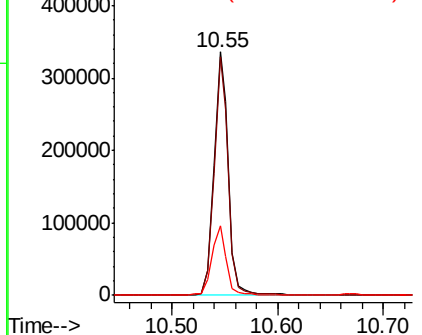


Abundance

Ion 329.80 (329.50 to 330.50): E

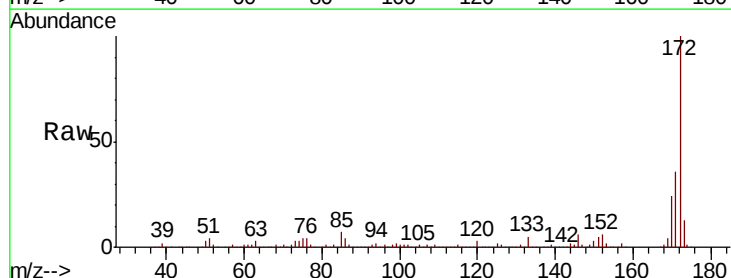
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 28.316 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112914.D
 Acq: 7 Mar 2019 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1186999		
171	36.0	29.0	43.4	
170	24.1	20.0	30.0	

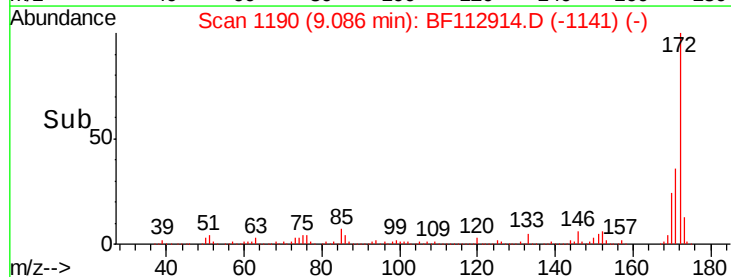
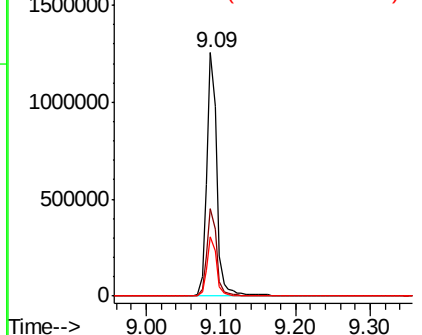


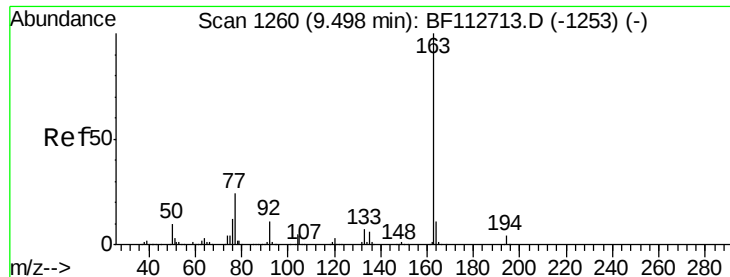
Abundance

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: 2.233 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Instrument :

BNA_F

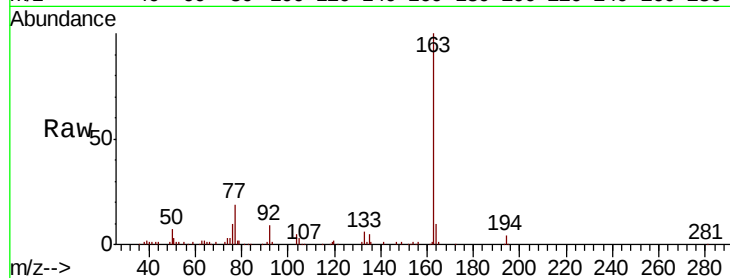
ClientSampleId :

EXT-027-SW012-022719RE

Tot Ion:	163	Resp:	94801
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.4
164	9.9	8.4	12.6

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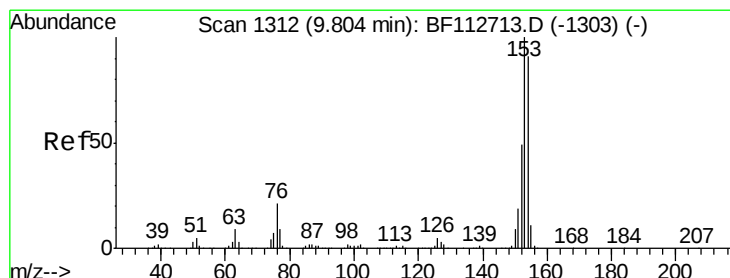
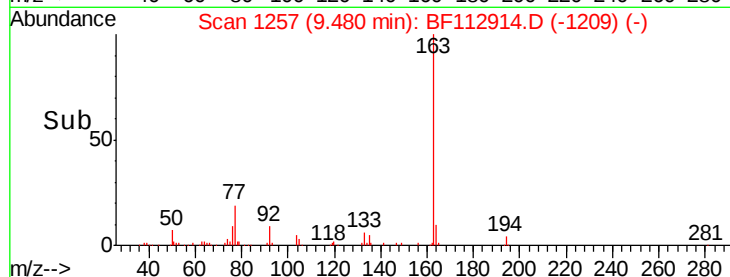
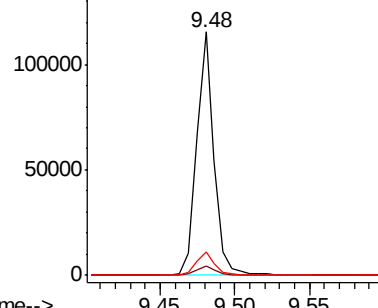


Abundance

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



#52

Acenaphthene

Concen: 3.563 ng

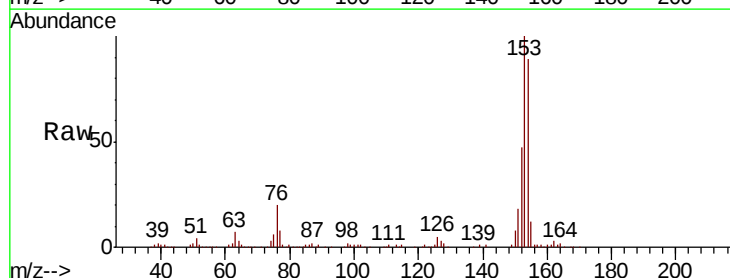
RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Tgt Ion:	154	Resp:	129721
Ion Ratio	Lower	Upper	
154	100		
153	112.0	87.8	131.8
152	52.9	43.0	64.6

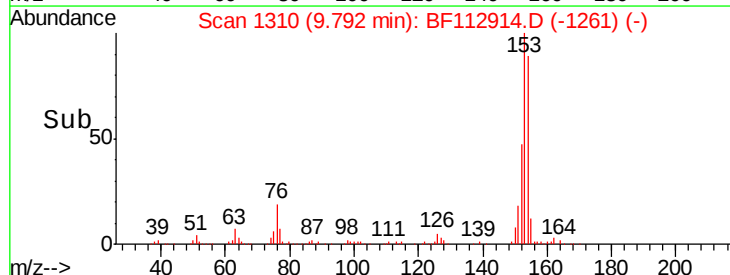
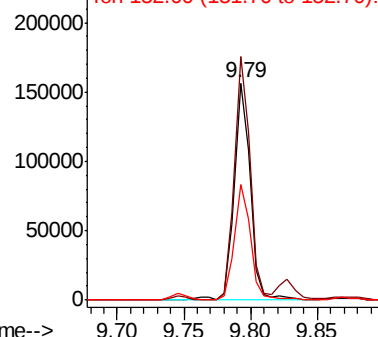


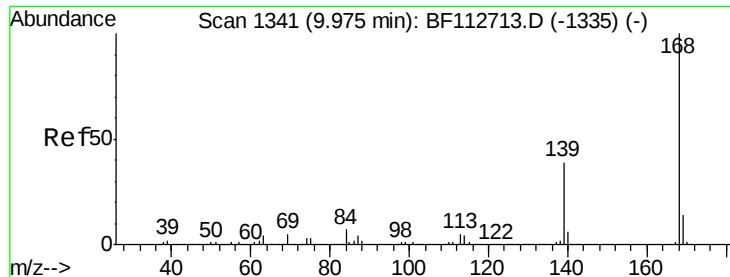
Abundance

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

Dibenzofuran

Concen: 2.860 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Instrument :

BNA_F

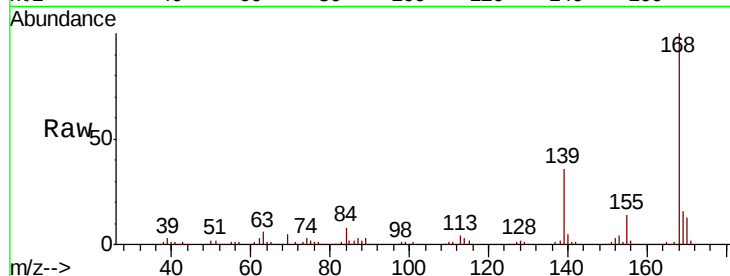
ClientSampleId :

EXT-027-SW012-022719RE

Tot Ion:	168	Resp:	151354
Ion Ratio	Lower	Upper	
168	100		
139	36.0	31.3	46.9
169	16.1	11.3	16.9

Manual Integrations
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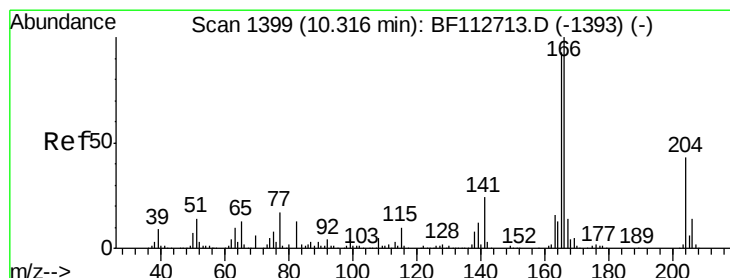
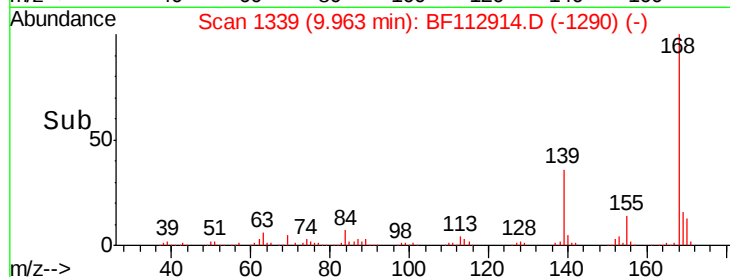
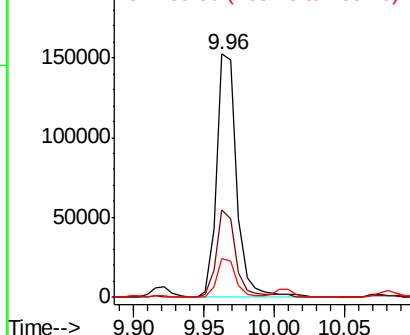


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58

Fluorene

Concen: 3.512 ng

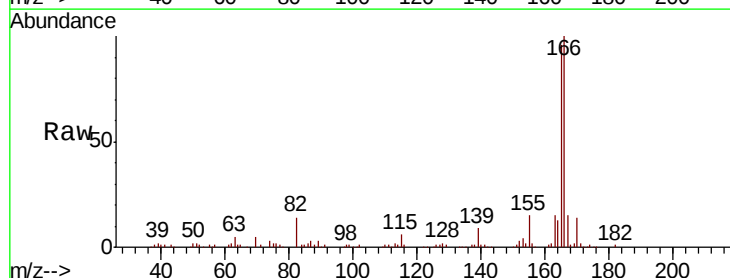
RT: 10.30 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Tgt Ion:	166	Resp:	131901
Ion Ratio	Lower	Upper	
166	100		
165	96.1	74.7	112.1
167	15.5	11.0	16.6

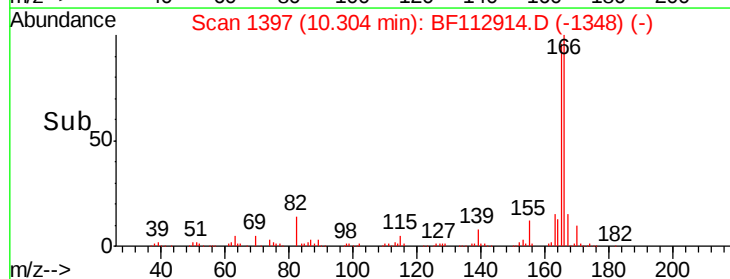
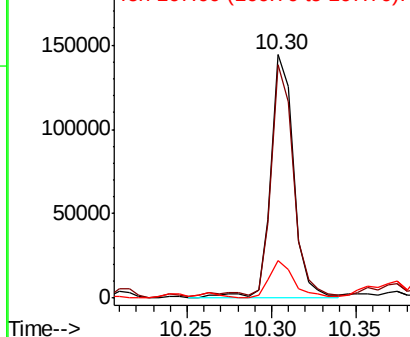


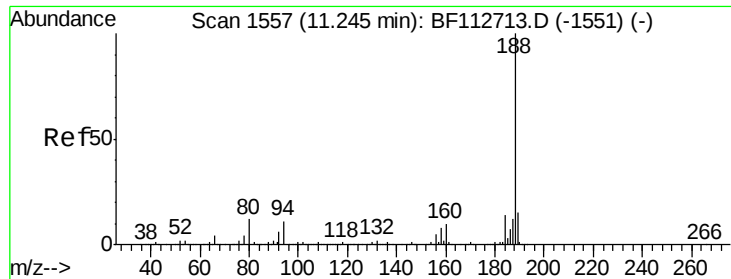
Abundance

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





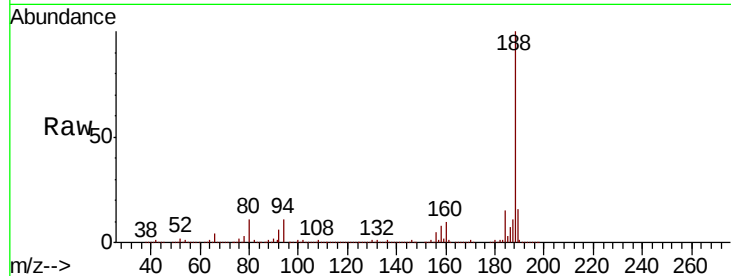
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW012-022719RE

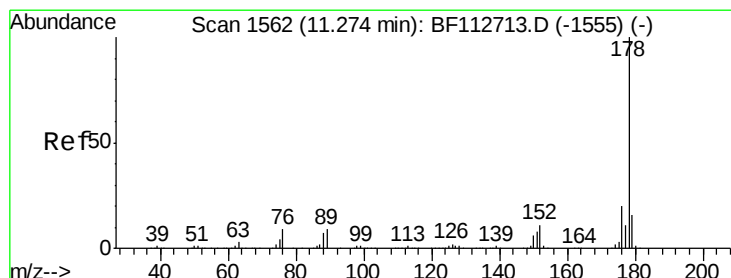
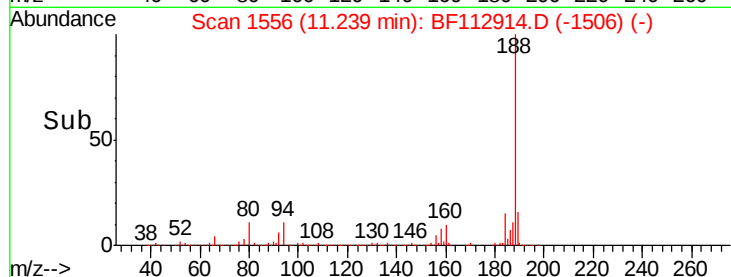
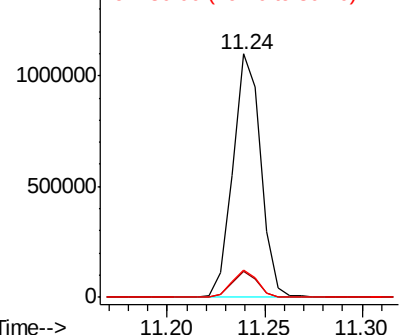
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.0	13.4
80	11.1	9.2	13.8

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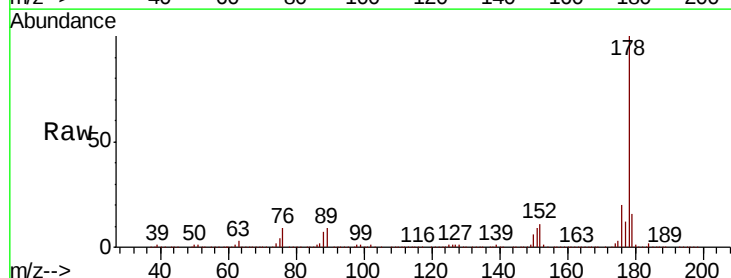


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

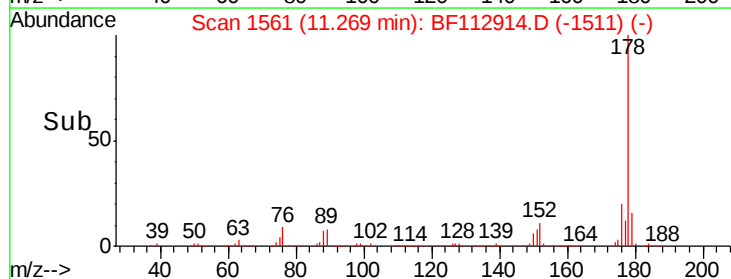
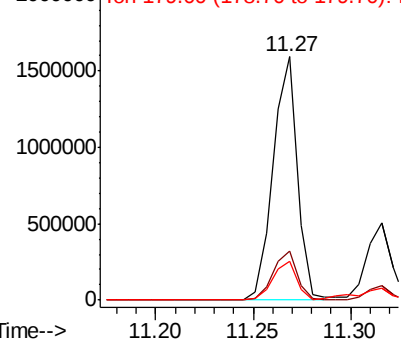


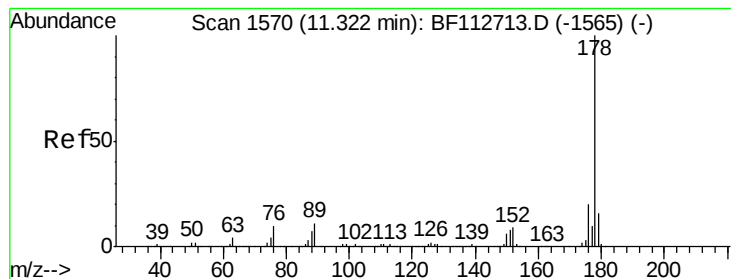
#71
Phenanthrene
Concen: 25.417 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.3	24.5
179	15.8	12.7	19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 7.608 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Instrument :

BNA_F

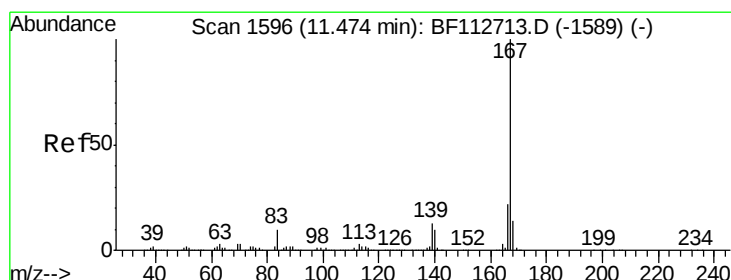
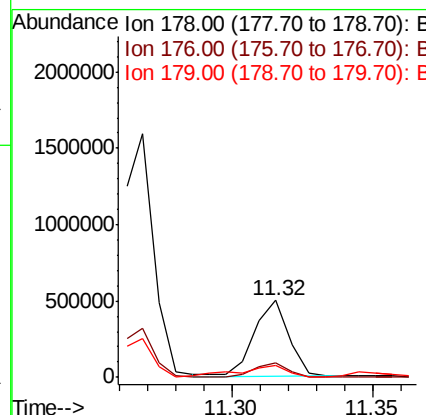
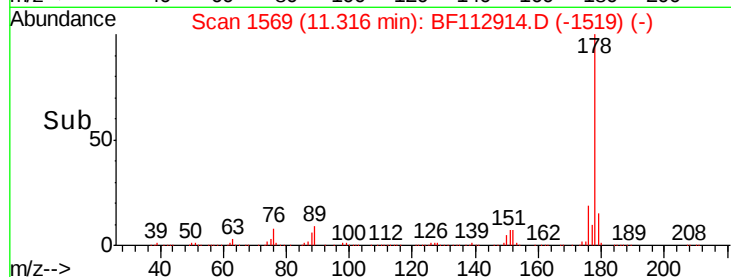
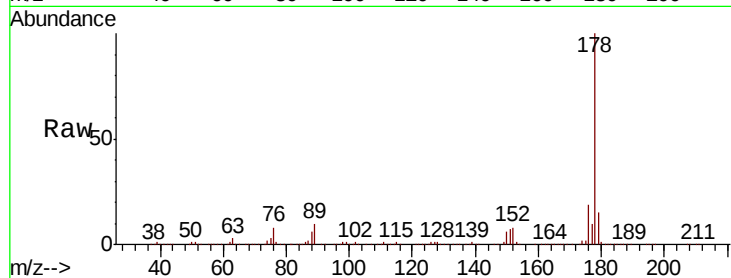
ClientSampleId :

EXT-027-SW012-022719RE

Tot Ion:	178	Resp:	429886
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.8	23.6
179	15.4	13.0	19.6

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#73

Carbazole

Concen: 2.525 ng

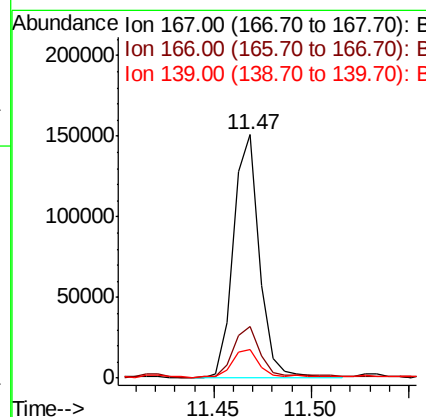
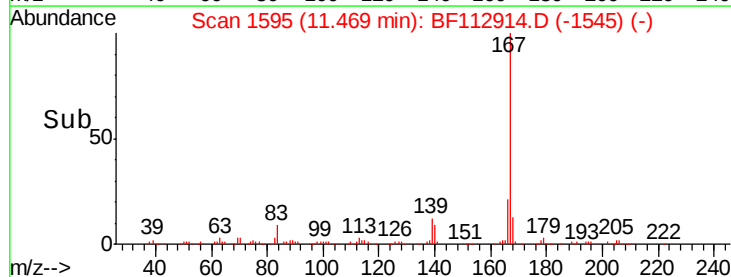
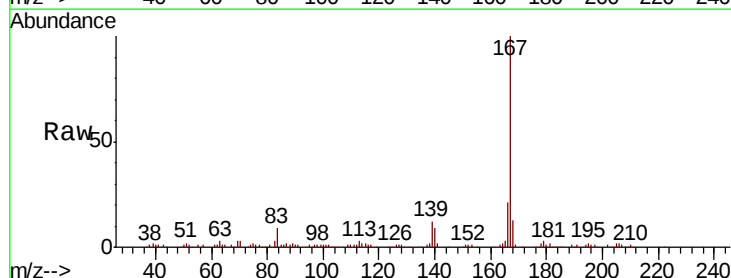
RT: 11.47 min Scan# 1595

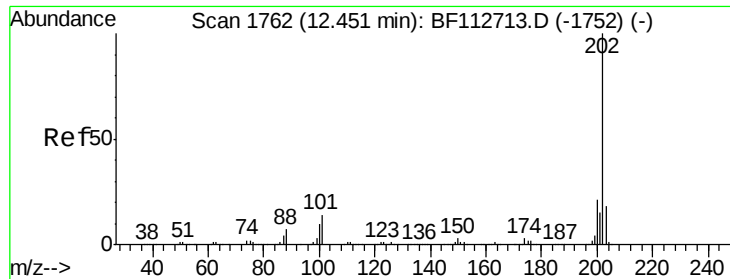
Delta R.T. -0.01 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Tgt Ion:	167	Resp:	139185
Ion Ratio	Lower	Upper	
167	100		
166	21.0	17.5	26.3
139	12.0	10.8	16.2





#75

Fluoranthene

Concen: 26.258 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Instrument :

BNA_F

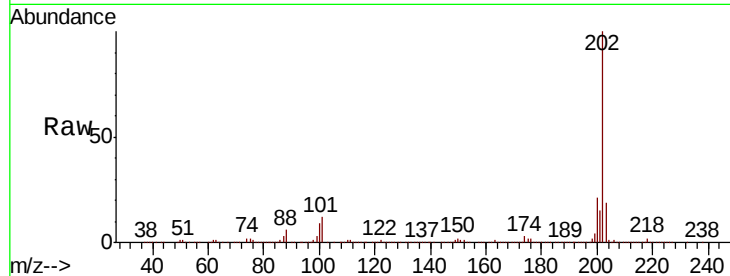
ClientSampleId :

EXT-027-SW012-022719RE

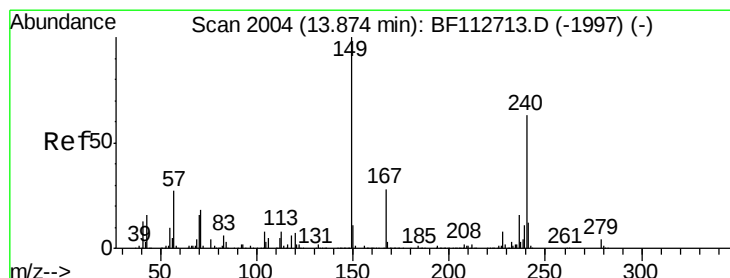
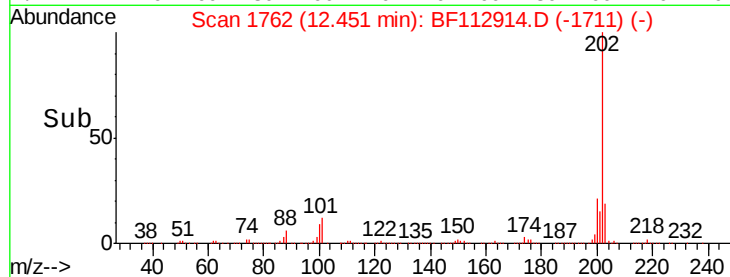
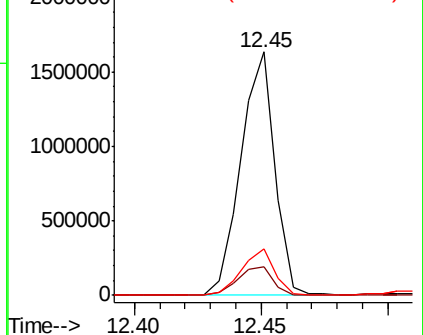
Tot Ion:	202	Resp:	1518639
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	33.8
203	18.9	0.0	38.4

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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

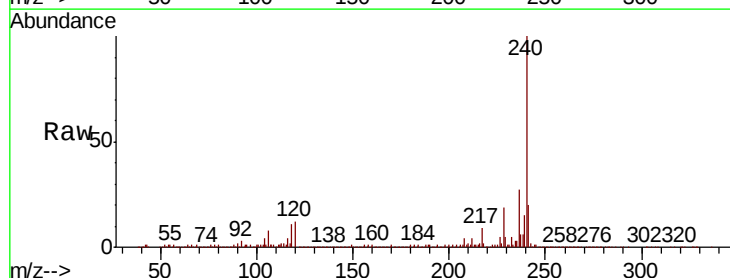
RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

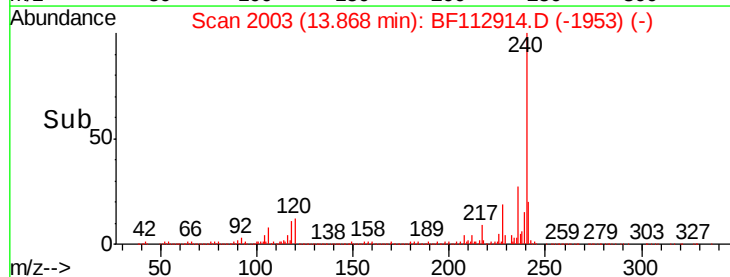
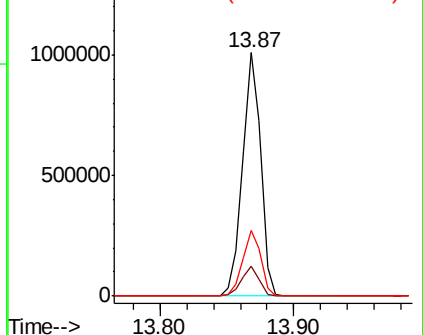
Lab File: BF112914.D

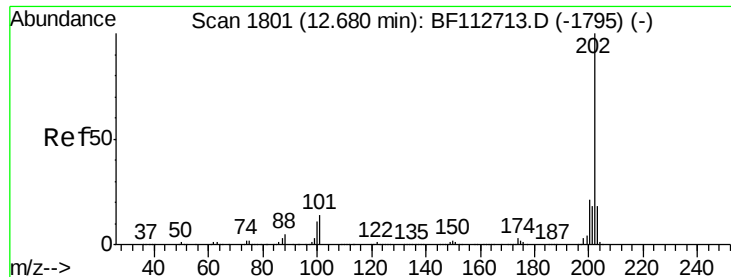
Acq: 7 Mar 2019 6:38

Tgt Ion:	240	Resp:	951068
Ion	Ratio	Lower	Upper
240	100		
120	12.3	8.9	13.3
236	26.8	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





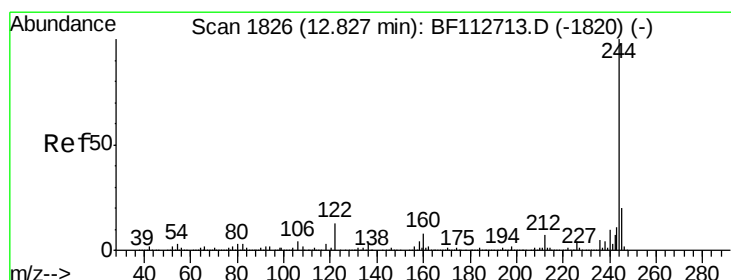
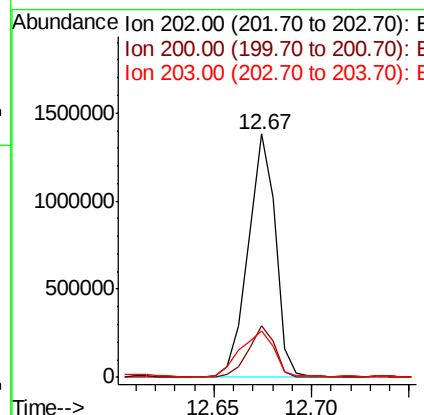
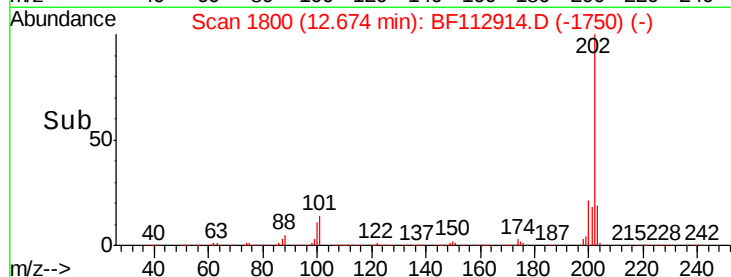
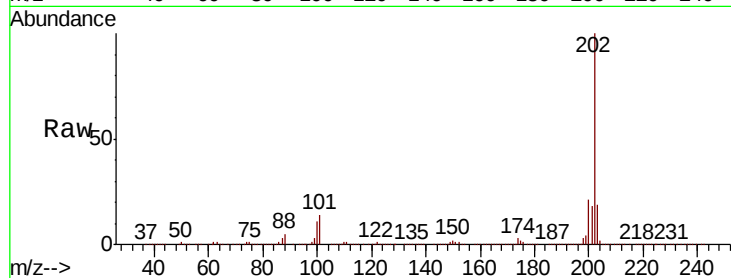
#78
Pvrene
Concen: 16.647 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW012-022719RE

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	19.0	14.4	21.6

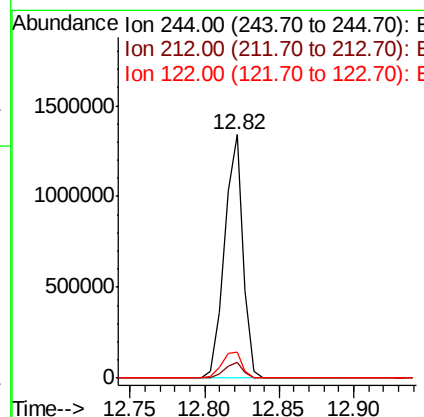
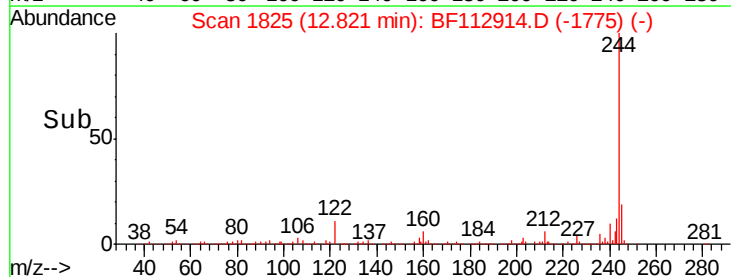
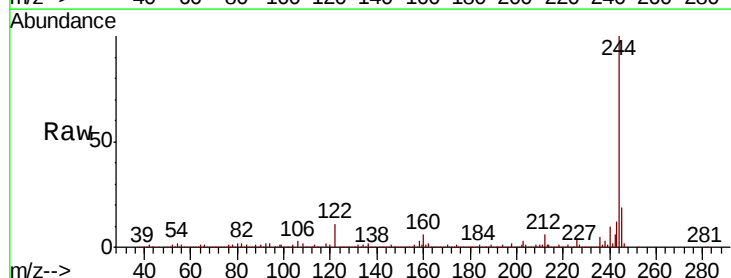
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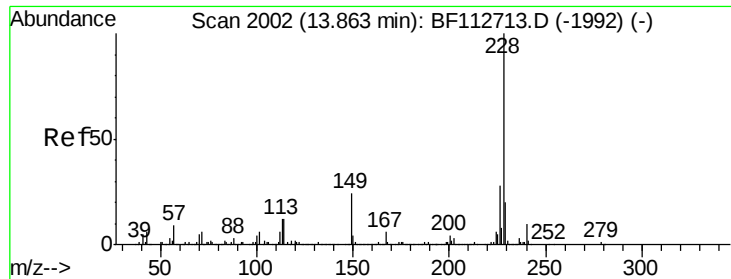
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#79
Terphenyl-d14
Concen: 23.759 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	10.5	10.5	15.7





#81

Benzo(a)anthracene

Concen: 12.163 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Instrument :

BNA_F

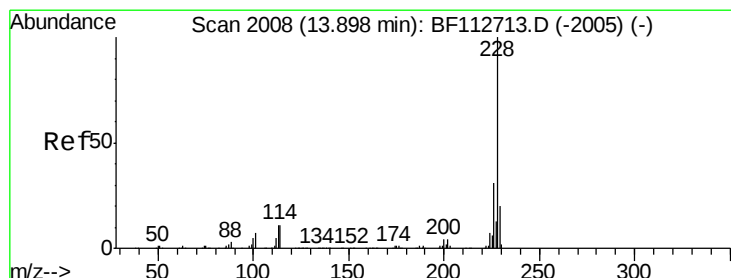
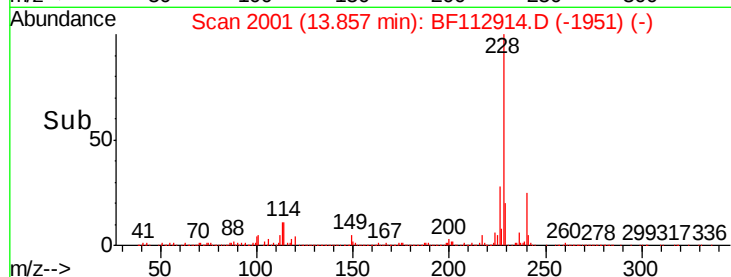
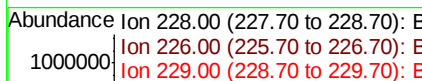
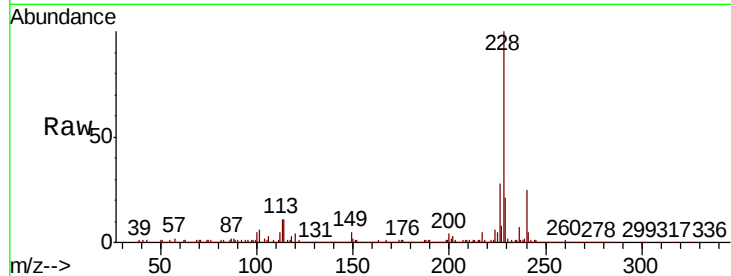
ClientSampleId :

EXT-027-SW012-022719RE

Tot Ion:	228	Resp:	801761
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.2	33.4
229	21.0	16.0	24.0

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#83

Chrysene

Concen: 10.591 ng

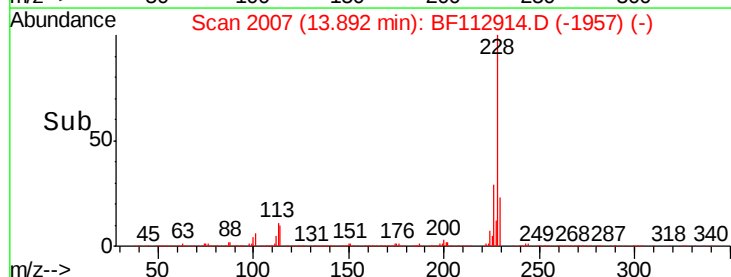
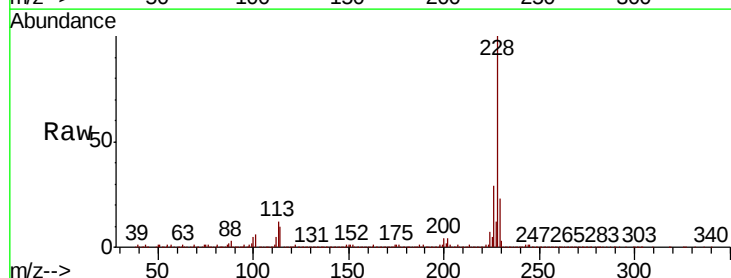
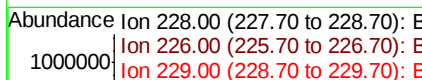
RT: 13.89 min Scan# 2007

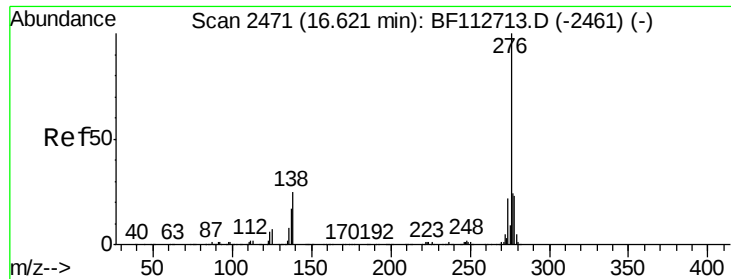
Delta R.T. -0.01 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Tgt Ion:	228	Resp:	683822
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.9	37.3
229	23.4	16.3	24.5





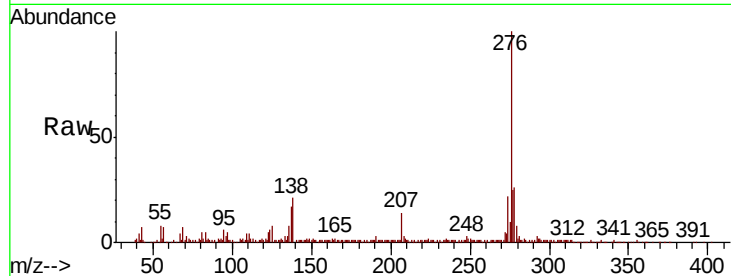
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.791 ng/ml
RT: 16.62 min Scan# 2471
Delta R.T. 0.00 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW012-022719RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.9	23.2	34.8#
277	5.0	19.9	29.9#

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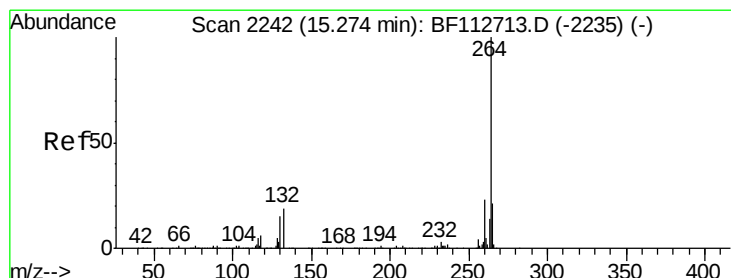
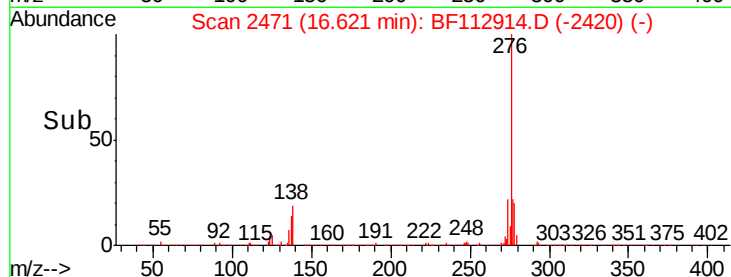
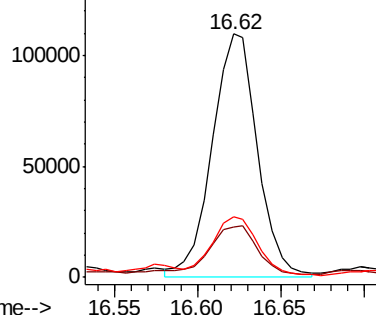


Abundance

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# 2242
Delta R.T. 0.00 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

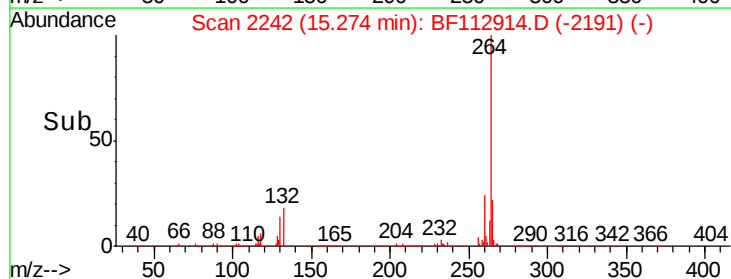
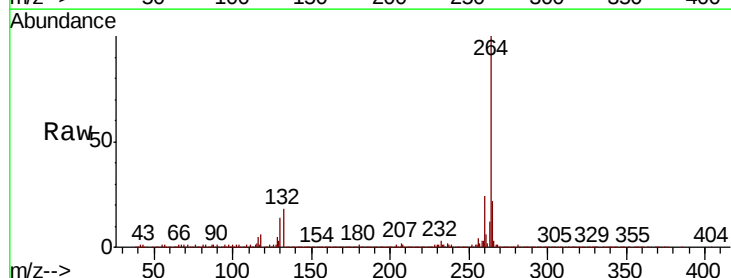
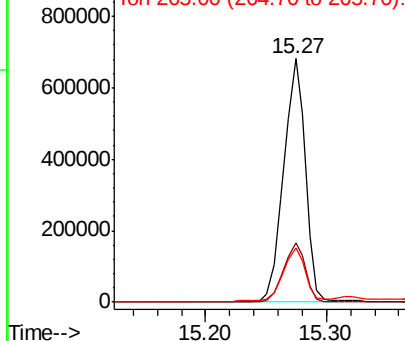
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	22.2	17.2	25.8

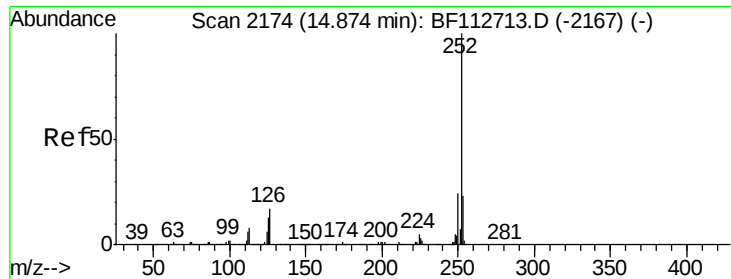
Abundance

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: 12.490 ng m

RT: 14.87 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Instrument :

BNA_F

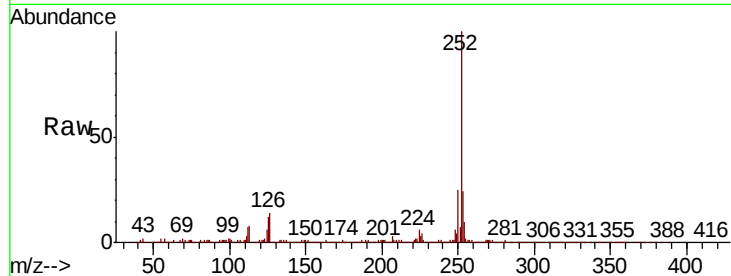
ClientSampleId :

EXT-027-SW012-022719RE

Tot Ion:	252	Resp:	675554
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.0	27.0
125	11.7	10.2	15.2

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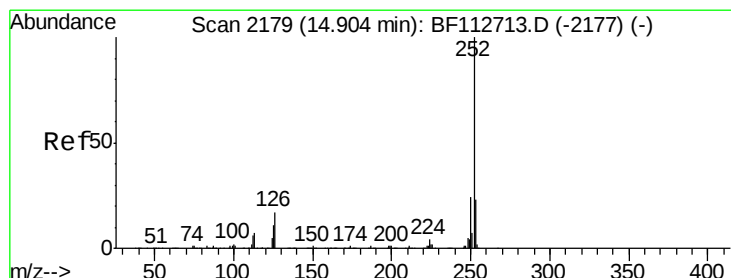
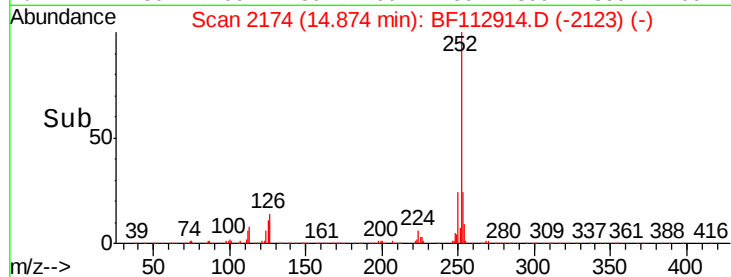
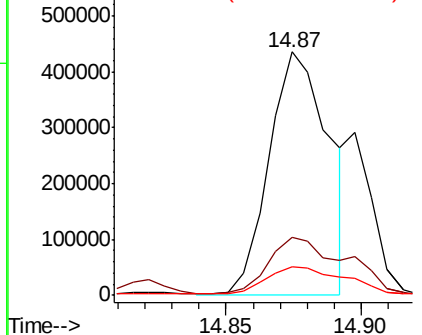


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 3.830 ng m

RT: 14.90 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

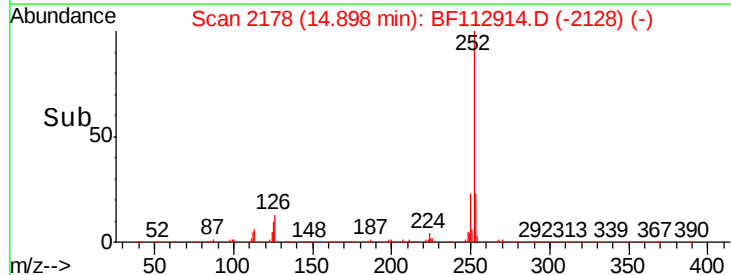
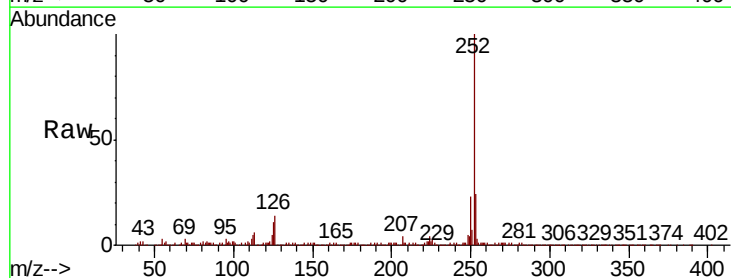
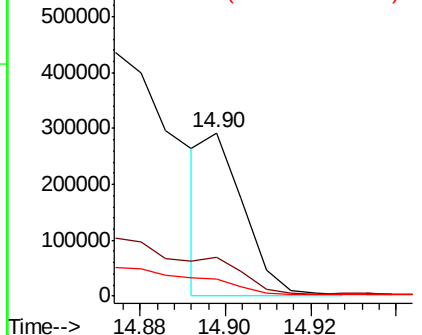
Tgt Ion:	252	Resp:	187652
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.2	27.2
125	10.8	9.8	14.6

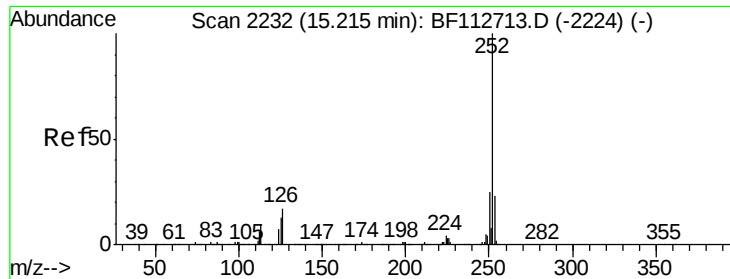
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





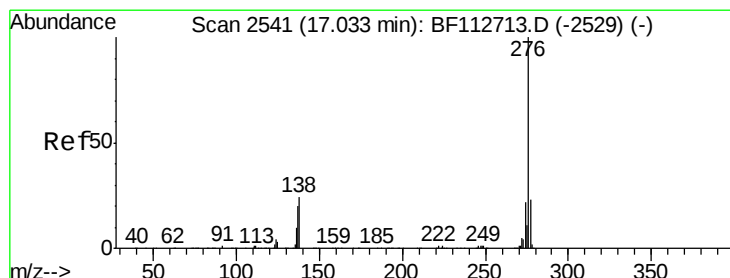
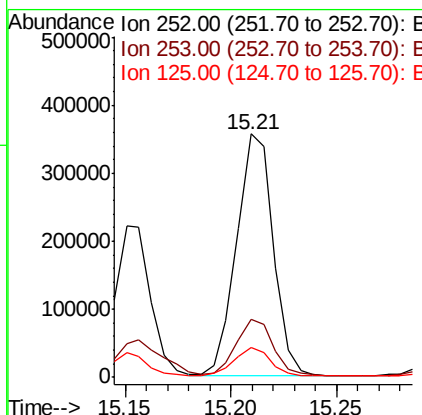
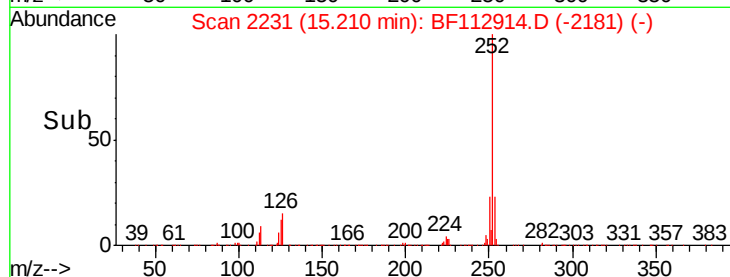
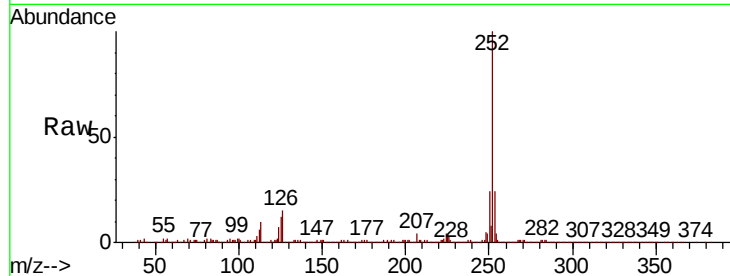
#90
Benzo(a)pyrene
Concen: 9.033 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW012-022719RE

Tot Ion:	252	Resp:	432153
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.0	27.0
125	12.5	10.7	16.1

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#92
Benzo(g,h,i)perylene
Concen: 3.973 ng
RT: 17.03 min Scan# 2540
Delta R.T. -0.01 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

Tgt Ion:	276	Resp:	162870
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.6	27.8
138	21.1	19.4	29.0

