

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
 Data File : BF111950.D
 Acq On : 9 Jan 2019 15:38
 Operator : JU/SJ
 Sample : K1006-03 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-010819-B

Manual Integrations
 APPROVED

Sohil
 1/10/2019 11:45:56 AM

Quant Time: Jan 10 02:44:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	138191	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	512675	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	247903	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	380037	20.00	ng	0.00
76) Chrysene-d12	14.05	240	328623	20.00	ng	0.00
87) Perylene-d12	15.54	264	252121	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	436254	54.01	ng	0.00
7) Phenol-d6	6.52	99	567533	54.51	ng	-0.01
23) Nitrobenzene-d5	7.44	82	353752	36.88	ng	-0.02
42) 2,4,6-Tribromophenol	10.71	330	138177	42.85	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	598648	35.21	ng	-0.01
79) Terphenyl-d14	12.99	244	429937	24.83	ng	0.00
Target Compounds						
10) Phenol	6.53	94	27018	2.388	ng	Qvalue # 76
31) Naphthalene	8.19	128	110560	4.543	ng	98
37) 2-Methylnaphthalene	8.88	142	47889	3.176	ng	96
50) Dimethylphthalate	9.63	163	68148	3.659	ng	99
52) Acenaphthene	9.95	154	32852	2.118	ng	97
58) Fluorene	10.47	166	41795	2.546	ng	98
71) Phenanthrene	11.43	178	263365	12.962	ng	98
72) Anthracene	11.48	178	76964	3.731	ng	96
75) Fluoranthene	12.62	202	183227	8.784	ng	98
78) Pyrene	12.86	202	158886	7.027	ng	96
81) Benzo(a)anthracene	14.04	228	72939	3.857	ng	99
83) Chrysene	14.07	228	62572m	3.470	ng	
88) Benzo(b)fluoranthene	15.10	252	68166m	4.520	ng	
89) Benzo(k)fluoranthene	15.11	252	31682m	2.235	ng	
90) Benzo(a)pyrene	15.47	252	45220	3.410	ng	# 93
92) Benzo(g,h,i)perylene	17.48	276	22389	2.146	ng	96

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

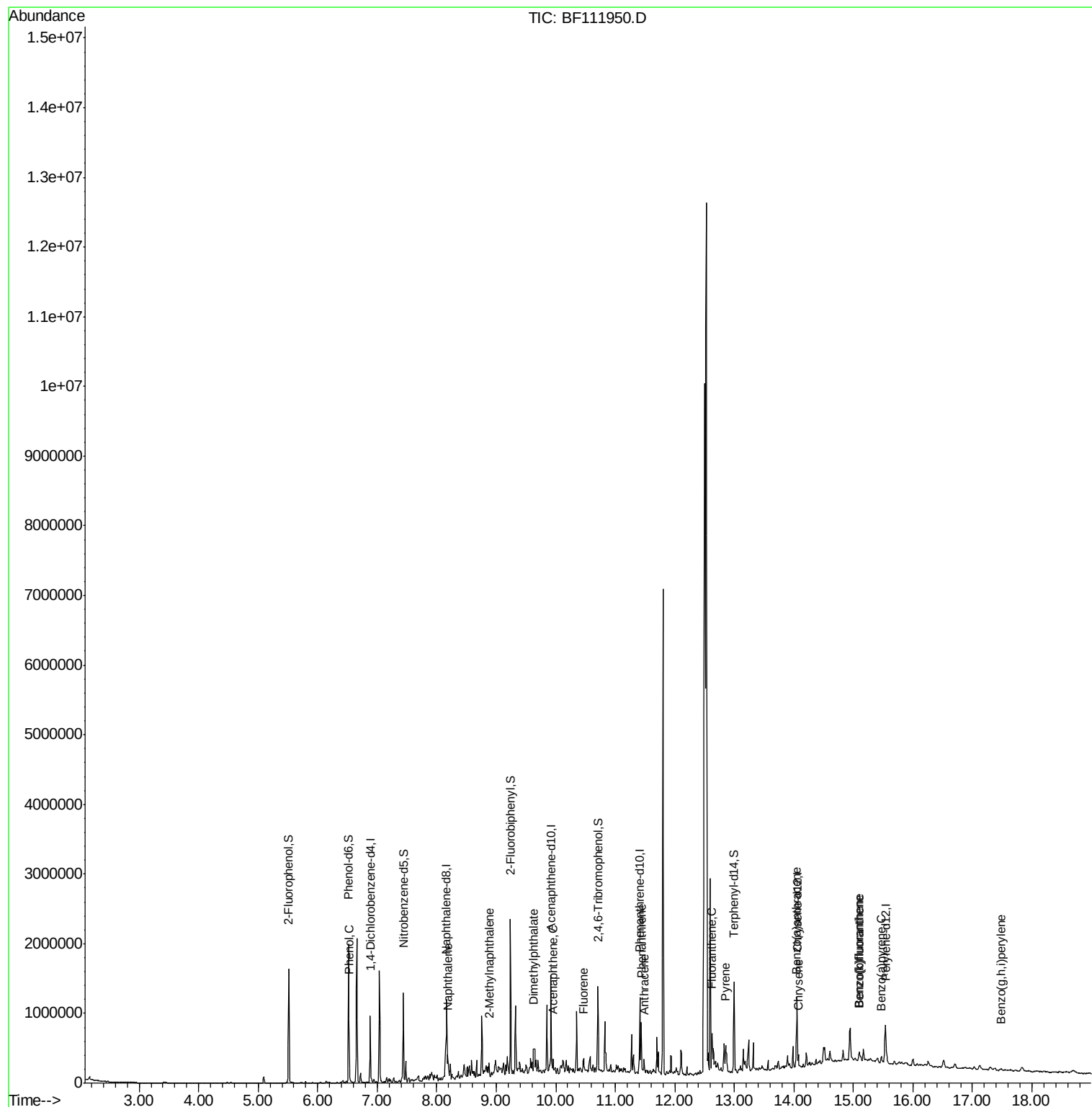
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
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ALS Vial : 4 Sample Multiplier: 1

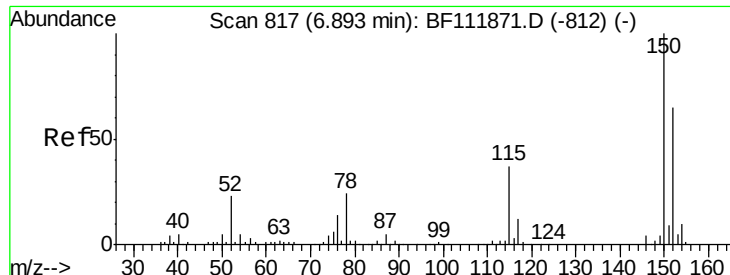
Instrument :
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#1

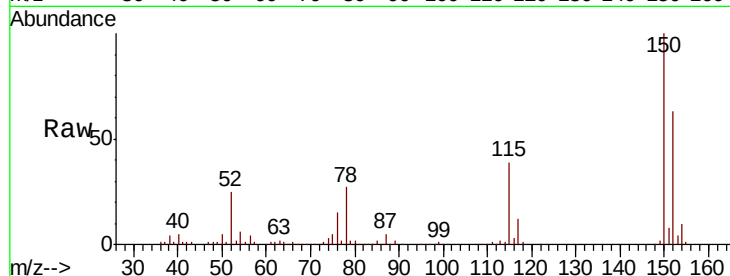
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF111950.D
Acq: 9 Jan 2019 15:38

Instrument :
BNA_F
ClientSampleId :
JC-03-010819-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	122.7	184.1
115	62.2	45.2	67.8

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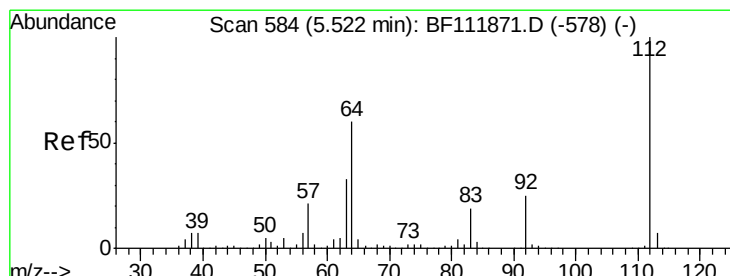
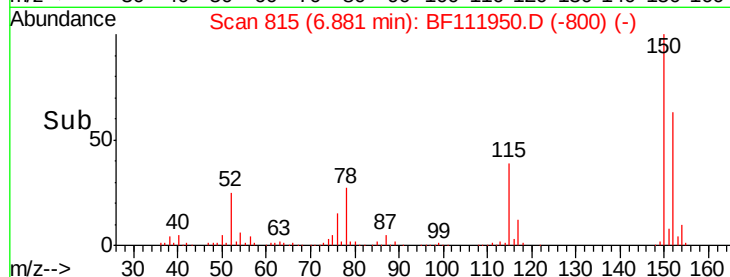
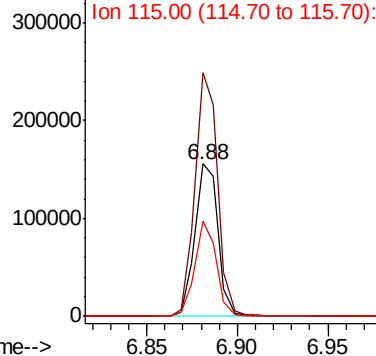


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

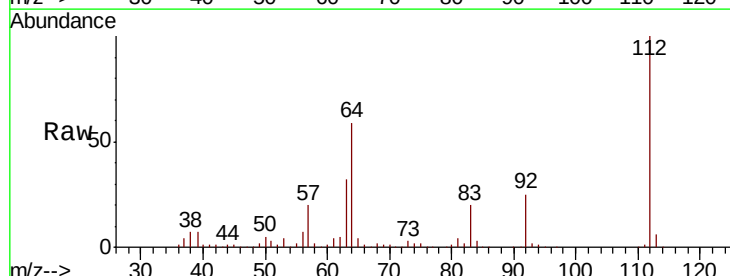
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 54.009 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111950.D
Acq: 9 Jan 2019 15:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	48.3	72.5
63	32.3	26.1	39.1

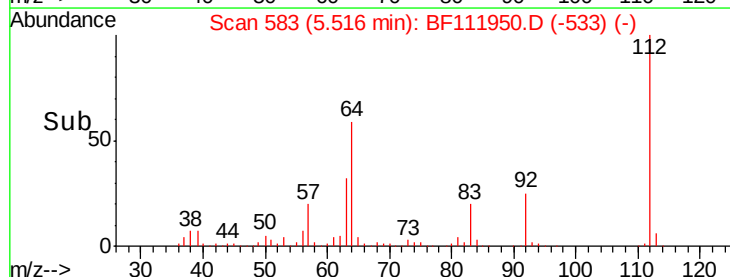
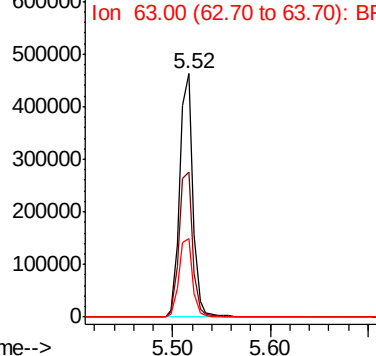


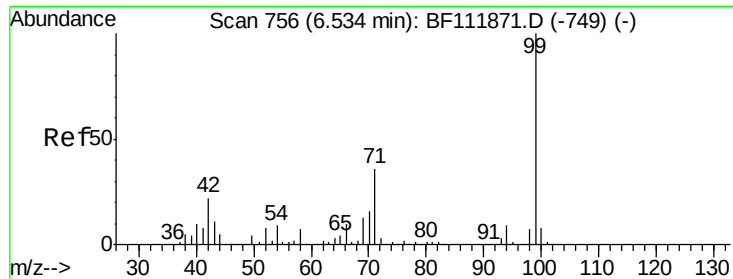
Abundance

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: 54.513 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111950.D

Acq: 9 Jan 2019 15:38

Instrument :

BNA_F

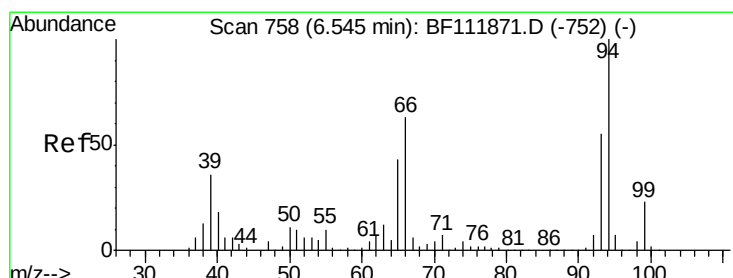
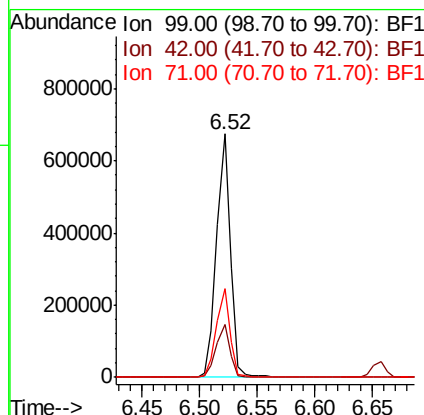
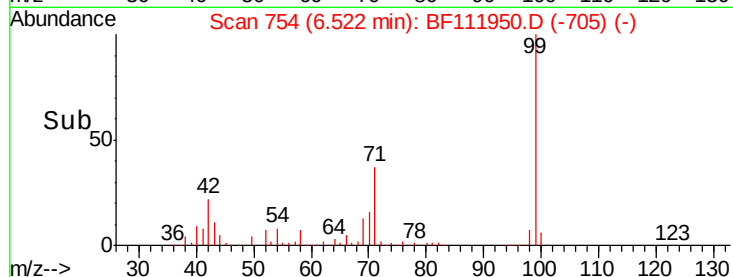
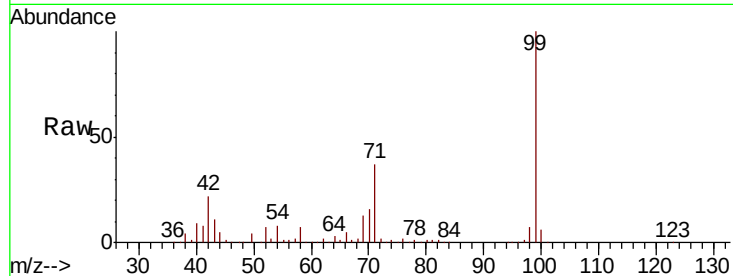
ClientSampleId :

JC-03-010819-B

Tot Ion:	99	Resp:	567533
Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.9	26.9
71	36.7	28.7	43.1

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#10

Phenol

Concen: 2.388 ng

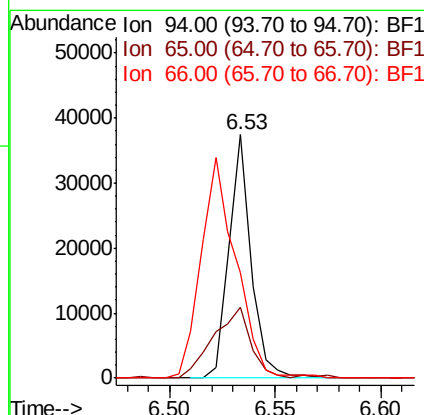
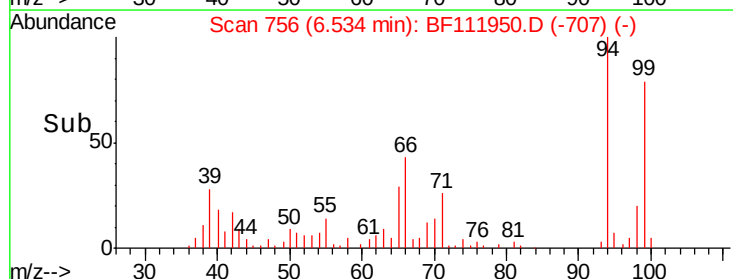
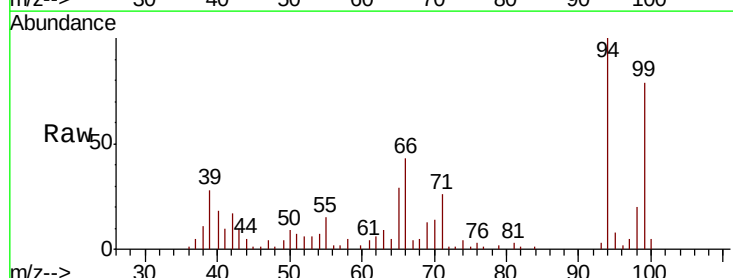
RT: 6.53 min Scan# 756

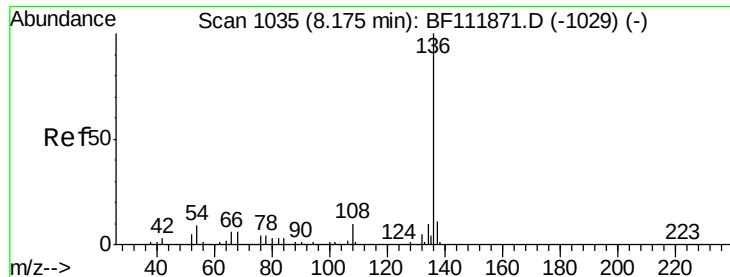
Delta R.T. -0.01 min

Lab File: BF111950.D

Acq: 9 Jan 2019 15:38

Tgt Ion:	94	Resp:	27018
Ion	Ratio	Lower	Upper
94	100		
65	29.0	22.8	62.8
66	43.3	43.3	83.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF111950.D

Acq: 9 Jan 2019 15:38

Instrument :

BNA_F

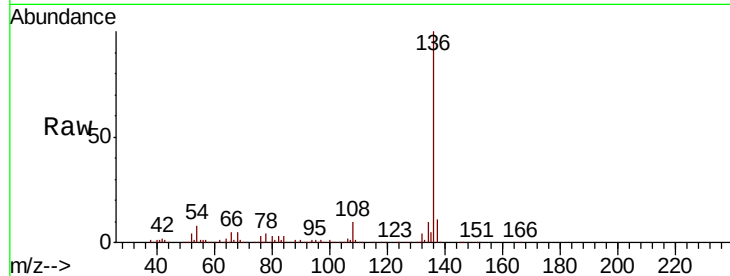
ClientSampleId :

JC-03-010819-B

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	7.6	7.2	10.8
68	4.7	4.4	6.6

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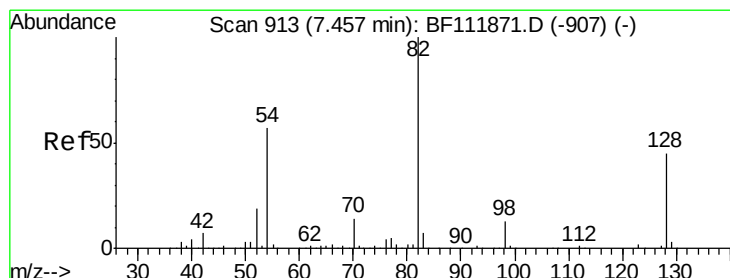
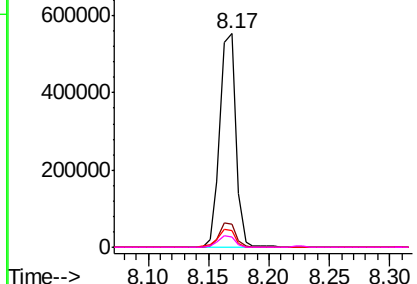
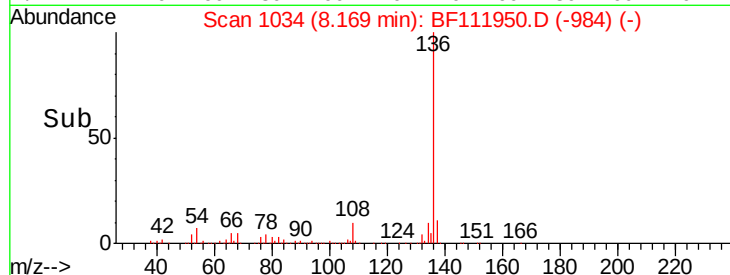
Abundance

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: 36.878 ng

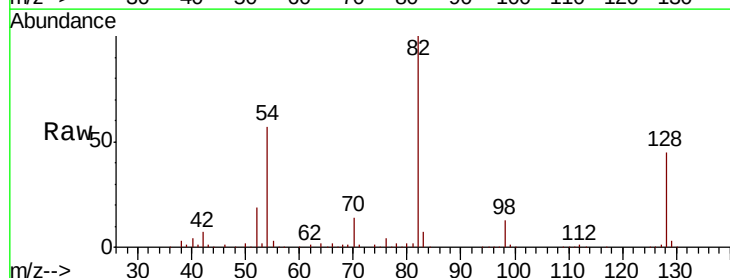
RT: 7.44 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF111950.D

Acq: 9 Jan 2019 15:38

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.7	53.5
54	57.2	45.8	68.8

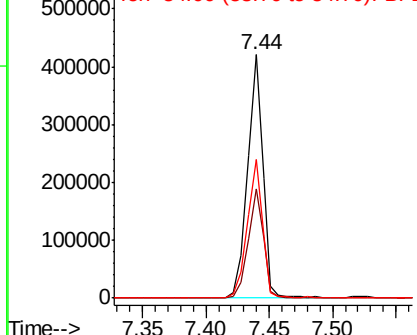
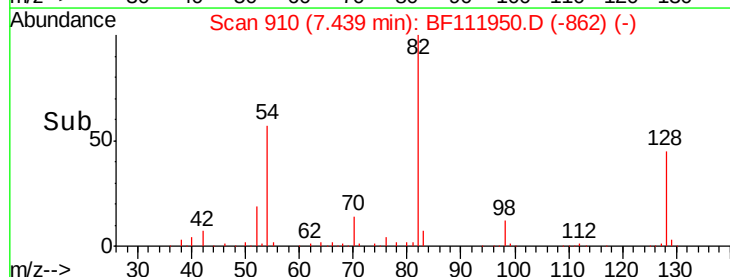


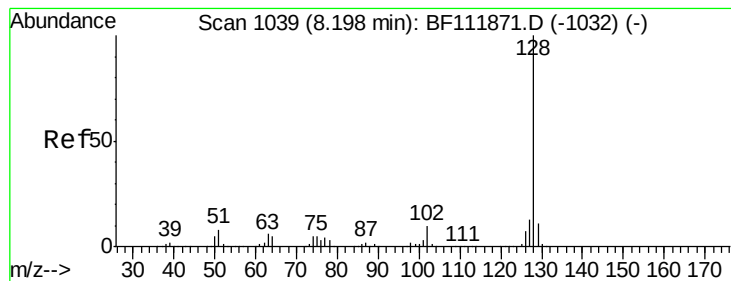
Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#31

Naphthalene

Concen: 4.543 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF111950.D

Acq: 9 Jan 2019 15:38

Instrument :

BNA_F

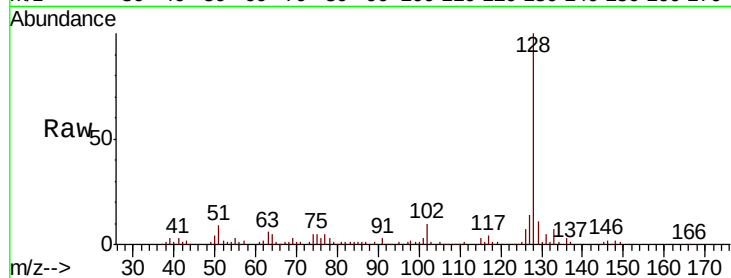
ClientSampleId :

JC-03-010819-B

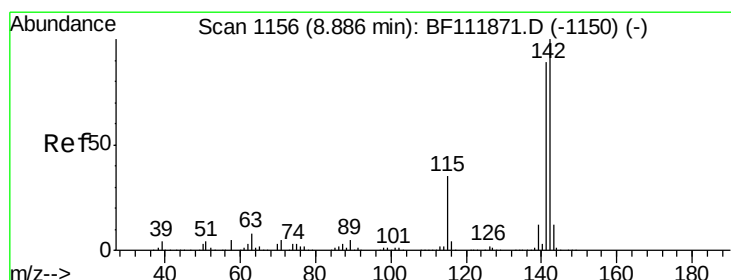
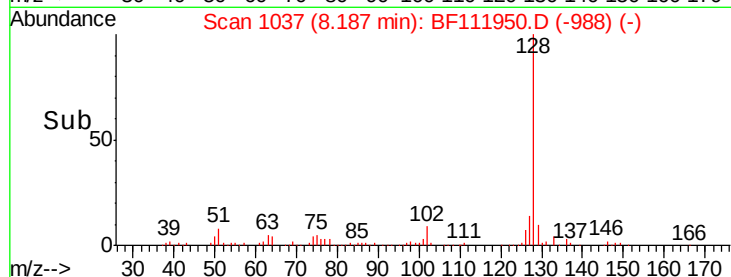
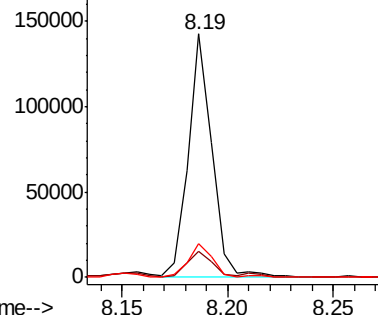
Tot Ion:	128	Resp:	110560
Ion Ratio	Lower	Upper	
128	100		
129	10.6	9.0	13.4
127	14.1	10.7	16.1

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 3.176 ng

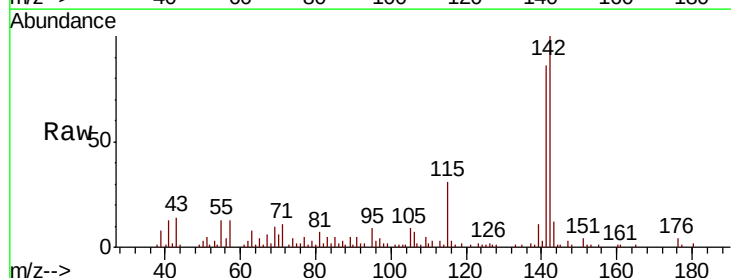
RT: 8.88 min Scan# 1155

Delta R.T. -0.01 min

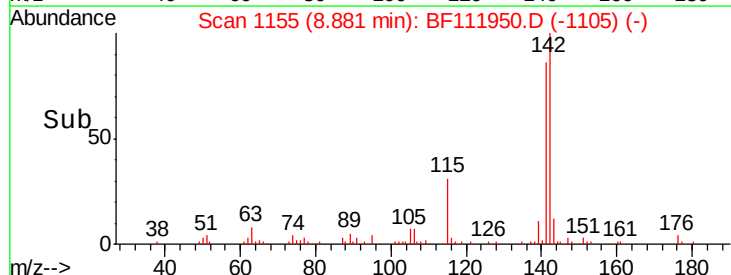
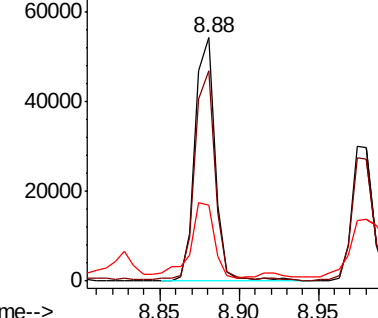
Lab File: BF111950.D

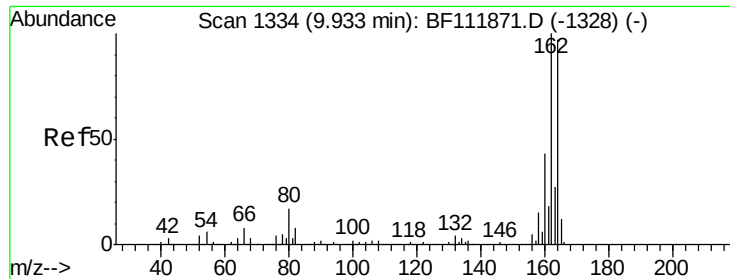
Acq: 9 Jan 2019 15:38

Tgt Ion:	142	Resp:	47889
Ion Ratio	Lower	Upper	
142	100		
141	86.4	71.4	107.2
115	31.0	28.3	42.5



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





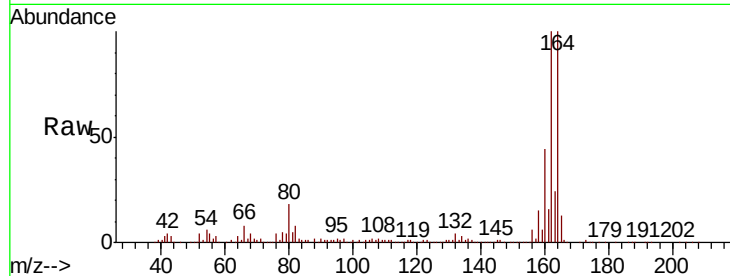
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF111950.D
Acq: 9 Jan 2019 15:38

Instrument :
BNA_F
ClientSampleId :
JC-03-010819-B

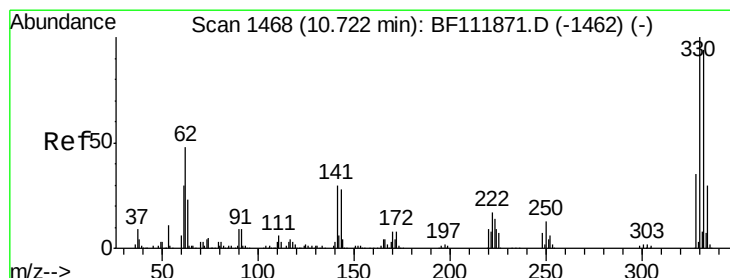
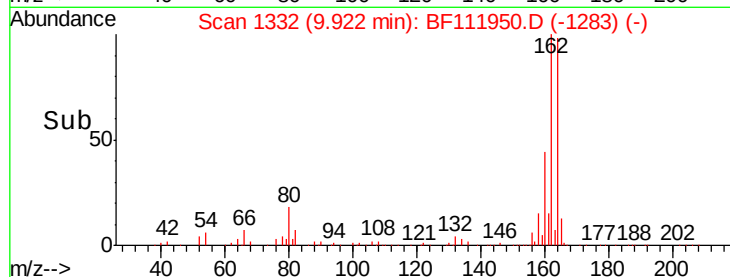
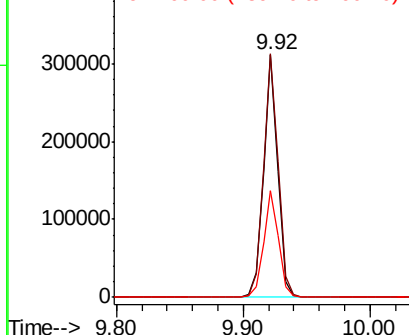
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.3	82.2	123.2	
160	44.1	35.5	53.3	

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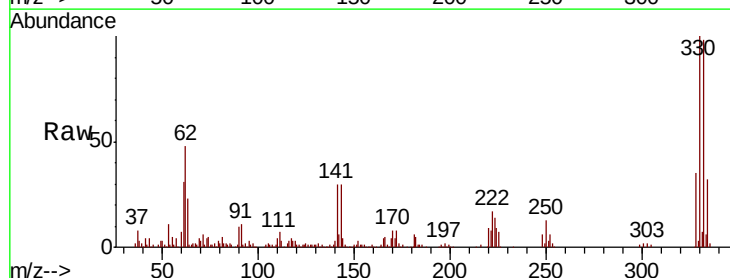


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

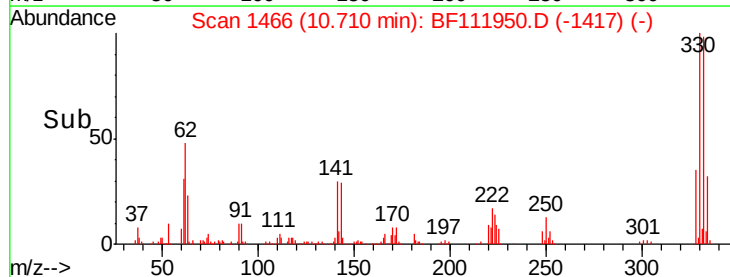
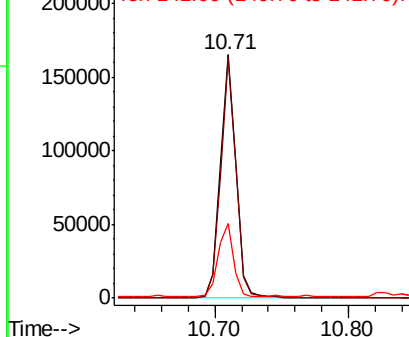


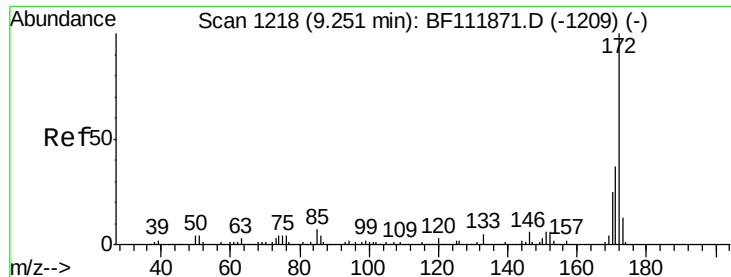
#42
2,4,6-Tribromophenol
Concen: 42.853 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF111950.D
Acq: 9 Jan 2019 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	76.9	115.3	
141	29.4	23.7	35.5	



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





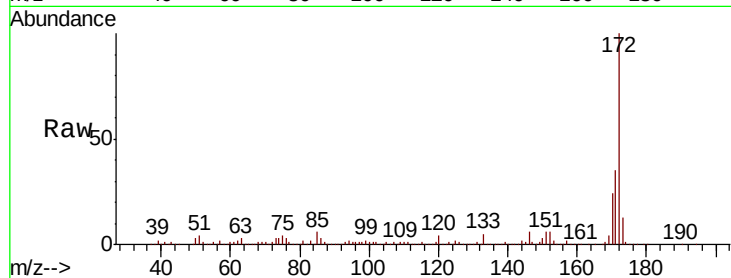
#45
2-Fluorobiphenyl
Concen: 35.213 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF111950.D
Acq: 9 Jan 2019 15:38

Instrument :
BNA_F
ClientSampleId :
JC-03-010819-B

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.6	29.6	44.4	
170	23.7	19.8	29.8	

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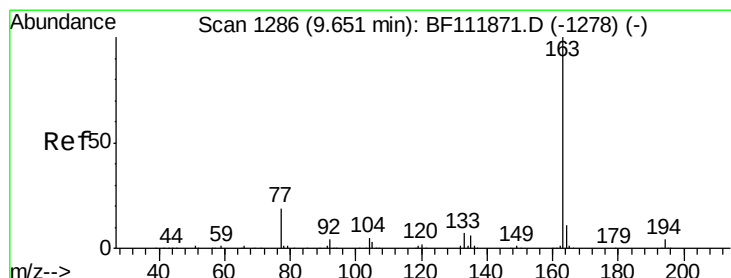
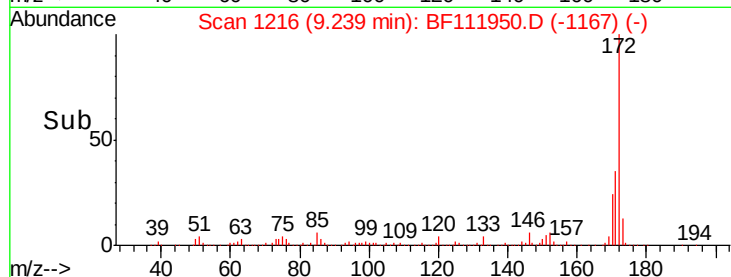
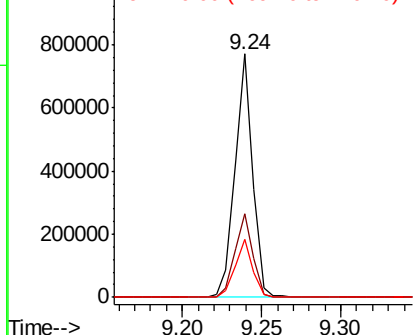


Abundance

Ion 172.00 (171.70 to 172.70): E

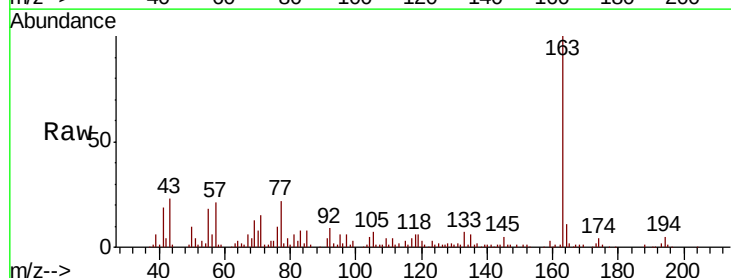
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 3.659 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF111950.D
Acq: 9 Jan 2019 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.5	3.4	5.2	
164	10.9	8.5	12.7	

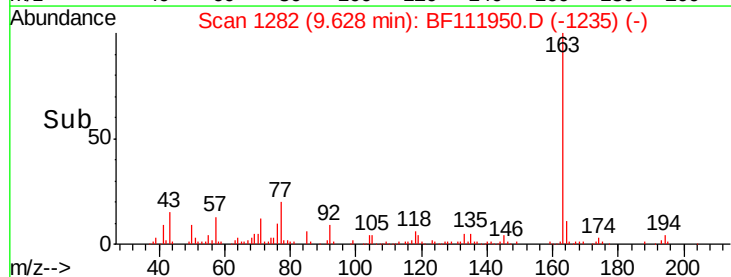
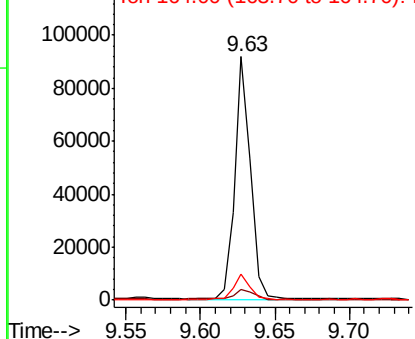


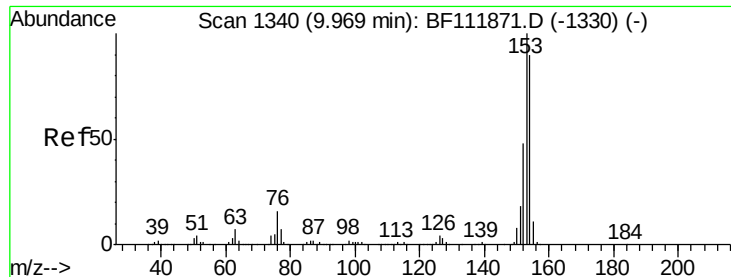
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 2.118 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF111950.D

Acq: 9 Jan 2019 15:38

Instrument :

BNA_F

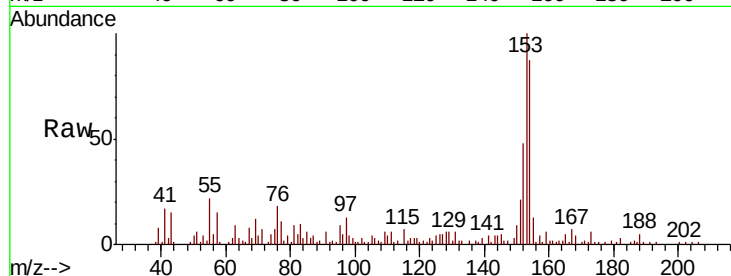
ClientSampleId :

JC-03-010819-B

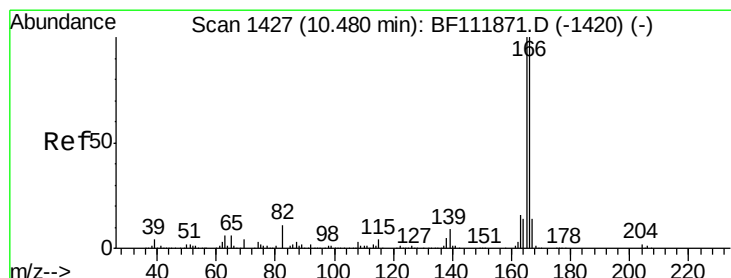
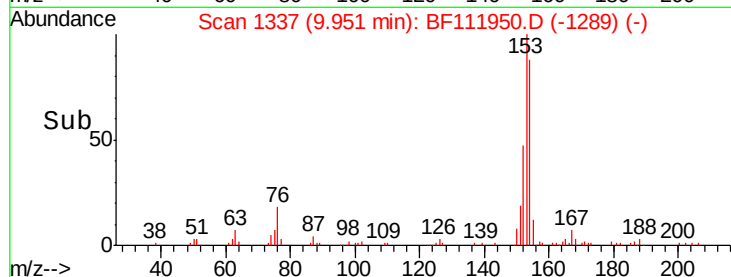
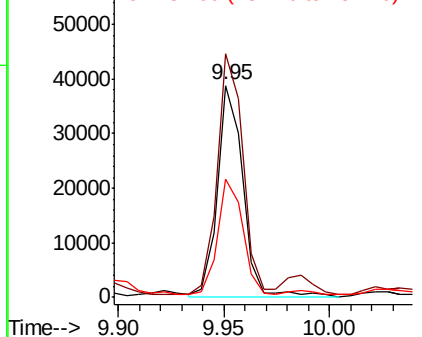
Tot Ion:	154	Resp:	32852
Ion Ratio	Lower	Upper	
154	100		
153	114.9	89.4	134.0
152	55.5	43.1	64.7

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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



#58

Fluorene

Concen: 2.546 ng

RT: 10.47 min Scan# 1425

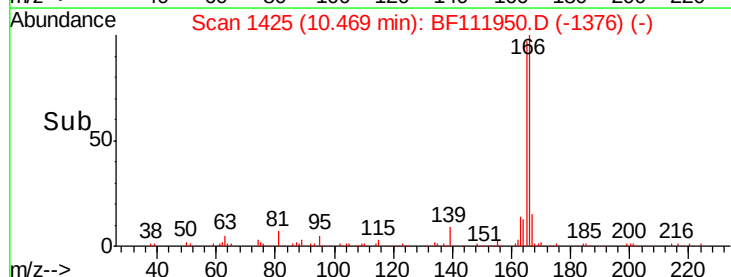
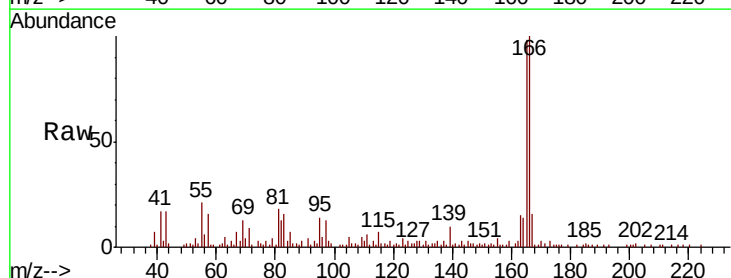
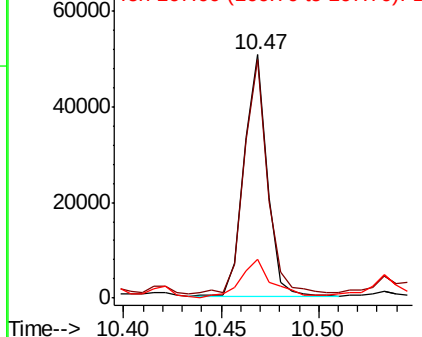
Delta R.T. -0.01 min

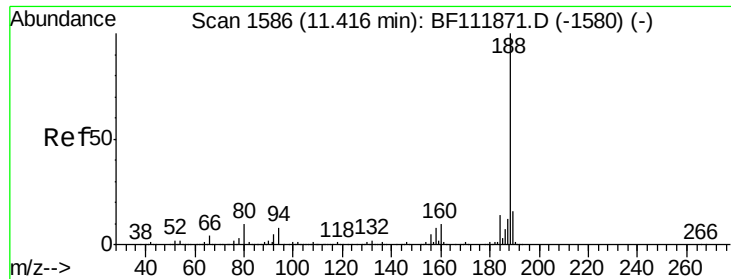
Lab File: BF111950.D

Acq: 9 Jan 2019 15:38

Tgt Ion:	166	Resp:	41795
Ion Ratio	Lower	Upper	
166	100		
165	97.8	79.7	119.5
167	15.7	11.1	16.7

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: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF111950.D

Acq: 9 Jan 2019 15:38

Instrument :

BNA_F

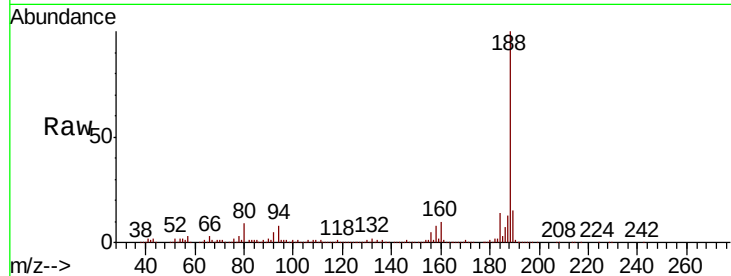
ClientSampleId :

JC-03-010819-B

Tot Ion:	188	Resp:	380037
Ion Ratio	Lower	Upper	
188	100		
94	8.0	6.6	10.0
80	8.7	7.7	11.5

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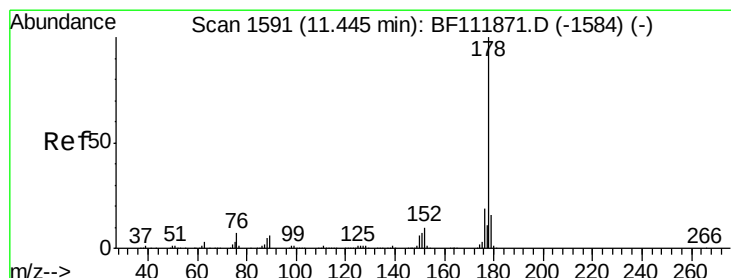
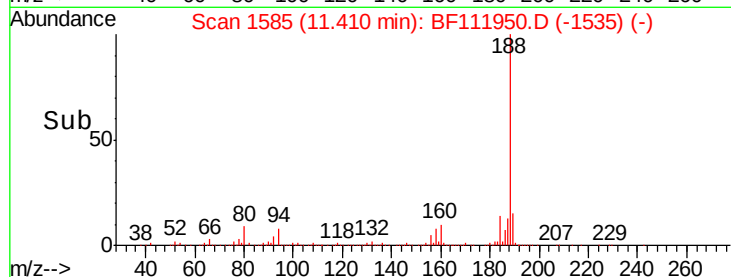
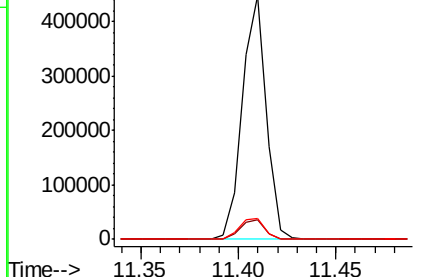
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 12.962 ng

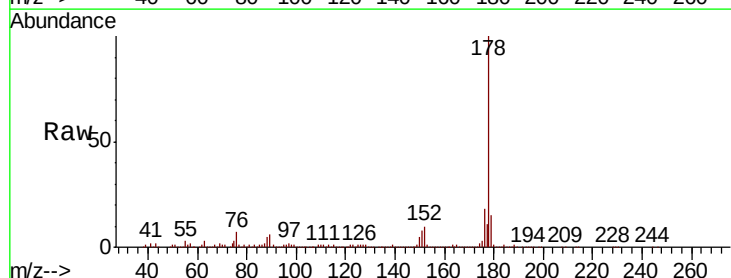
RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF111950.D

Acq: 9 Jan 2019 15:38

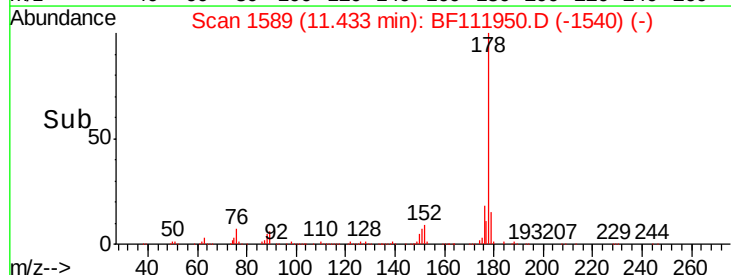
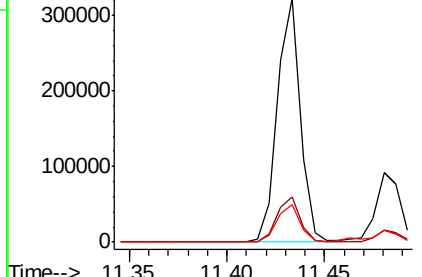
Tgt Ion:	178	Resp:	263365
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.6	23.4
179	15.4	12.6	18.8

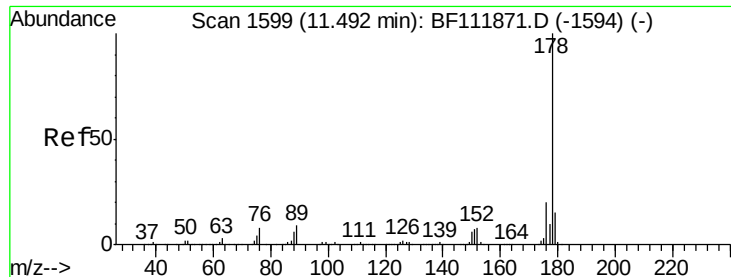


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.731 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF111950.D

Acq: 9 Jan 2019 15:38

Instrument :

BNA_F

ClientSampleId :

JC-03-010819-B

Tot Ion:178 Resp: 76964

Ion Ratio Lower Upper

178 100

176 17.7 15.7 23.5

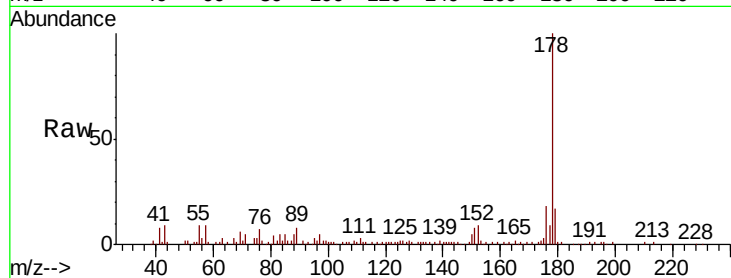
179 17.2 12.4 18.6

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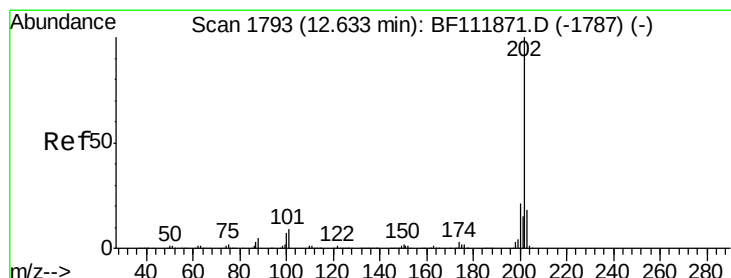
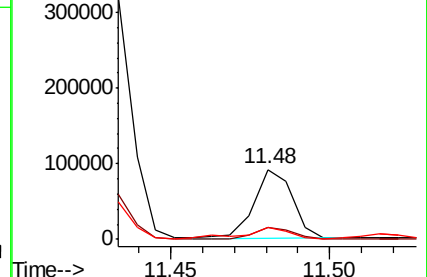
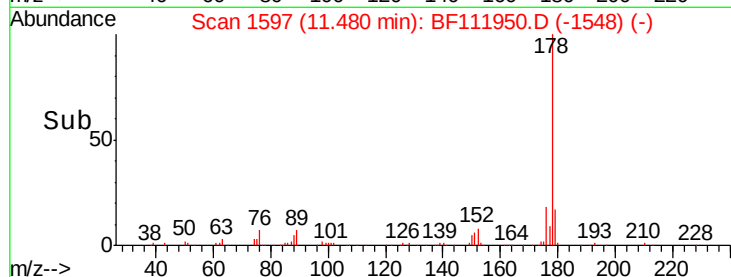
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 8.784 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF111950.D

Acq: 9 Jan 2019 15:38

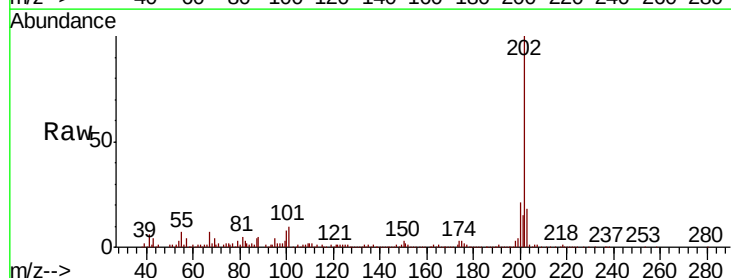
Tgt Ion:202 Resp: 183227

Ion Ratio Lower Upper

202 100

101 10.4 0.0 29.3

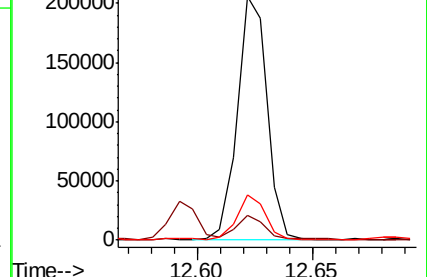
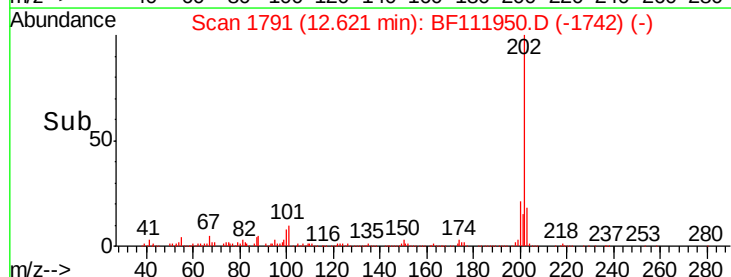
203 18.4 0.0 37.6

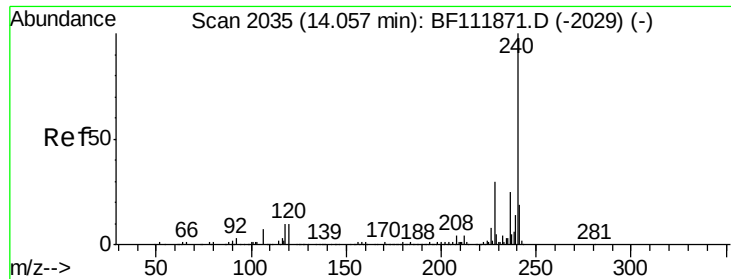


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





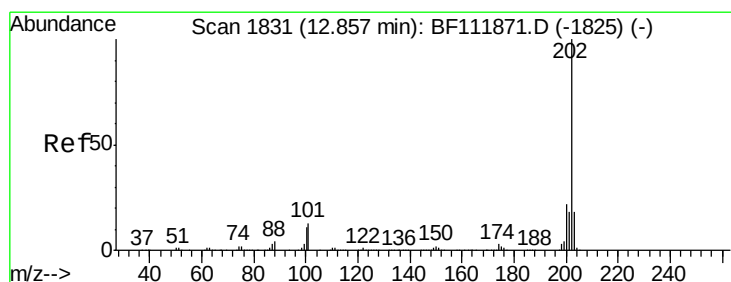
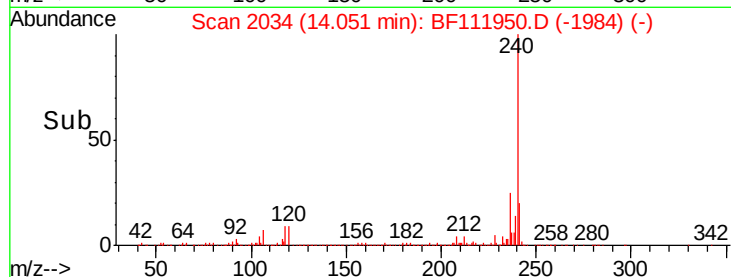
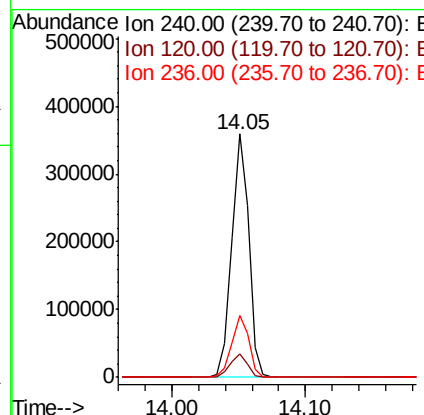
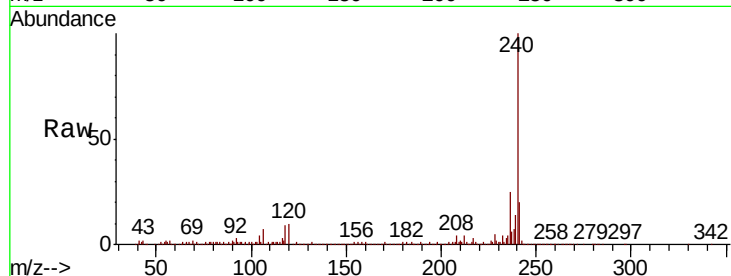
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF111950.D
Acq: 9 Jan 2019 15:38

Instrument :
BNA_F
ClientSampleId :
JC-03-010819-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.2	12.2
236	25.4	20.2	30.4

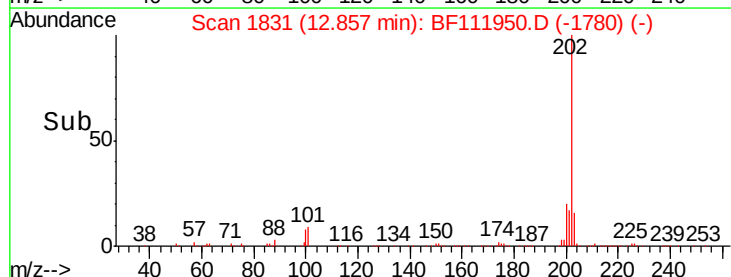
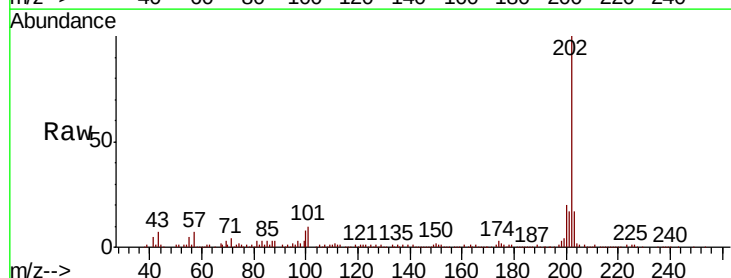
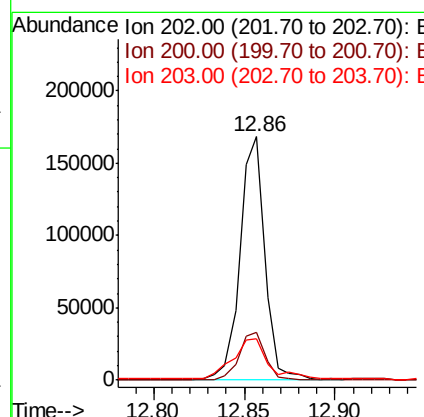
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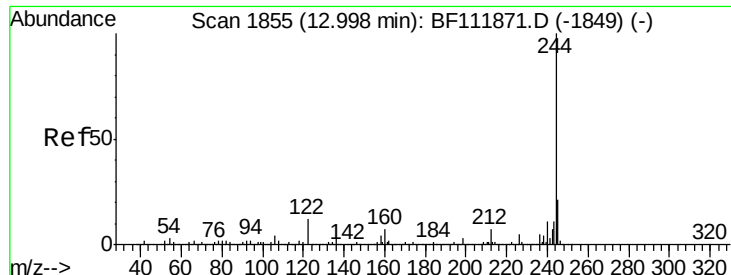
Sohil
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#78
Pyrene
Concen: 7.027 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF111950.D
Acq: 9 Jan 2019 15:38

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.4	26.2
203	16.9	14.6	21.8





#79

Terphenyl-d14

Concen: 24.834 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF111950.D

Acq: 9 Jan 2019 15:38

Instrument :

BNA_F

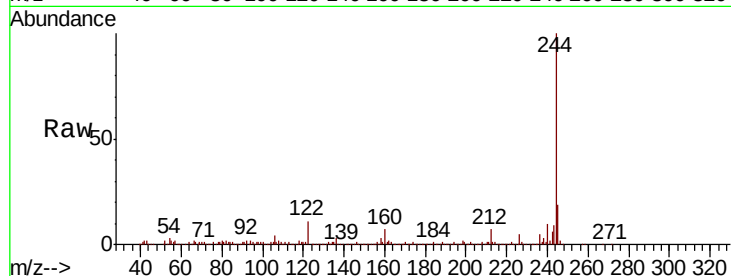
ClientSampleId :

JC-03-010819-B

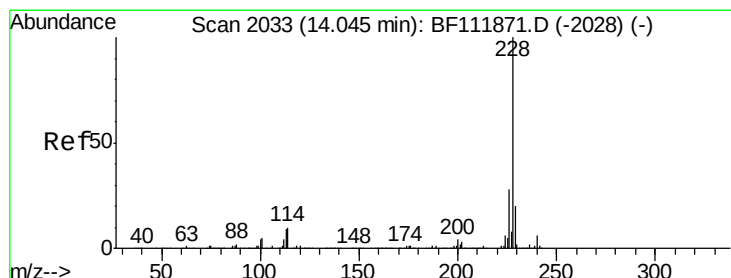
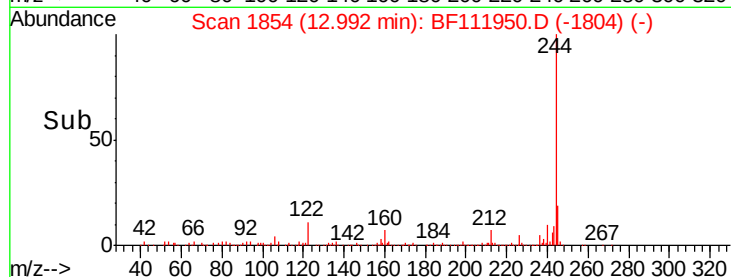
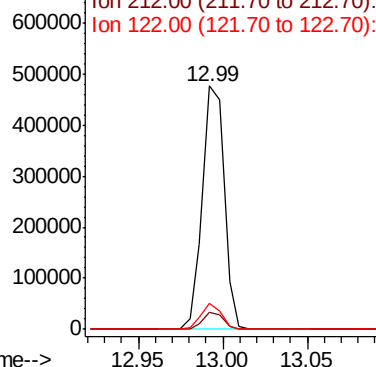
Tot Ion:	244	Resp:	429937
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.8	8.8
122	10.8	9.5	14.3

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.857 ng

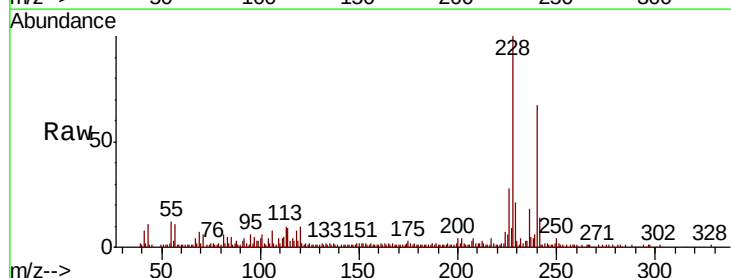
RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

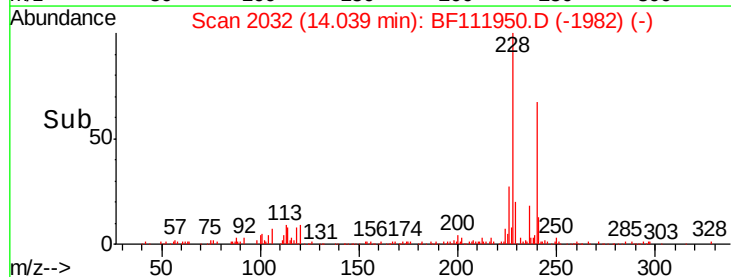
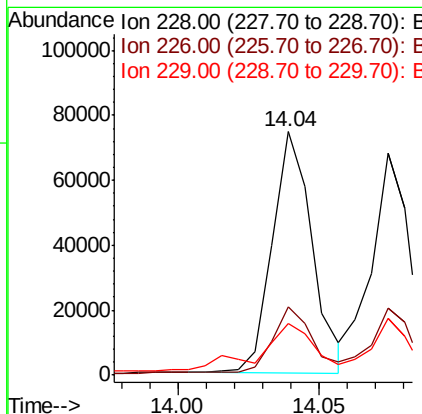
Lab File: BF111950.D

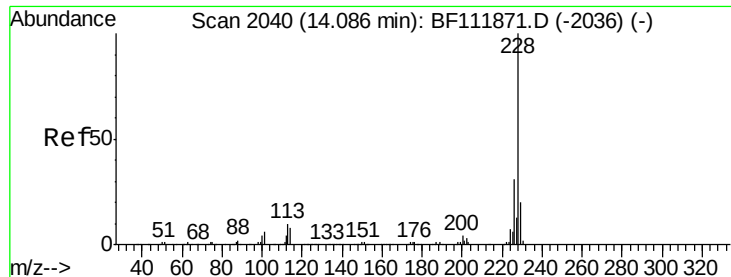
Acq: 9 Jan 2019 15:38

Tgt Ion:	228	Resp:	72939
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.2	33.2
229	21.1	16.2	24.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.470 ng/mL

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF111950.D

Acq: 9 Jan 2019 15:38

Instrument :

BNA_F

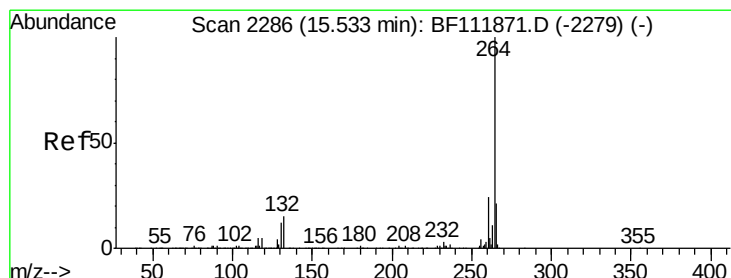
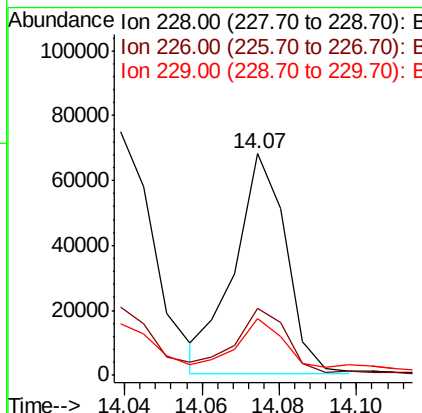
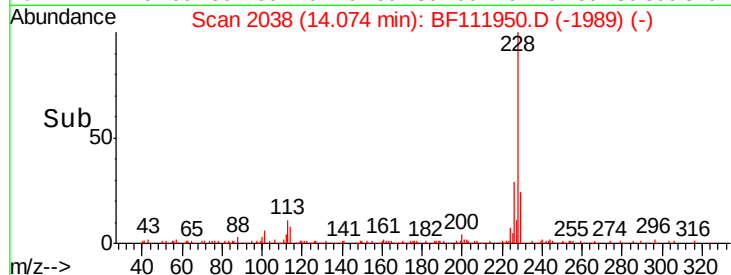
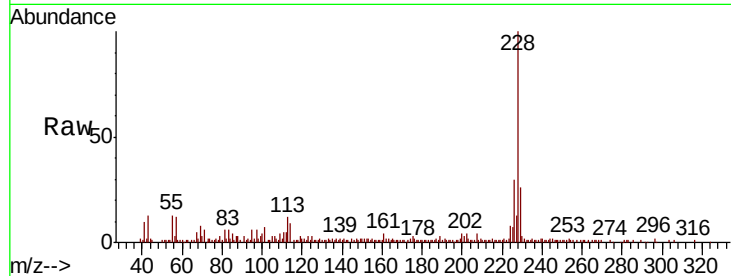
ClientSampleID :

JC-03-010819-B

Tot Ion:	228	Resp:	62572
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.6	37.0
229	25.7	15.7	23.5#

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#87

Perylene-d12

Concen: 20.000 ng

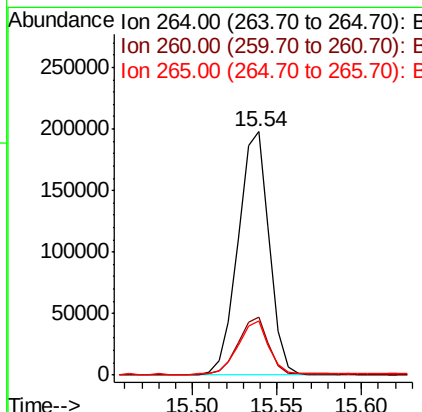
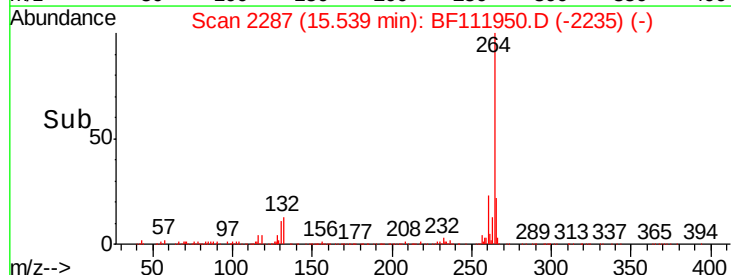
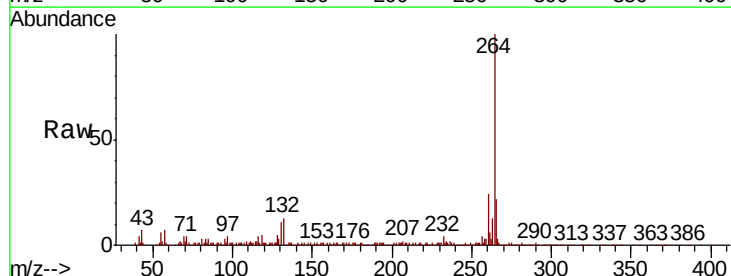
RT: 15.54 min Scan# 2287

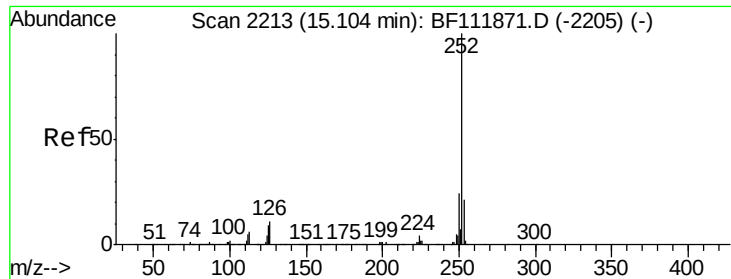
Delta R.T. 0.01 min

Lab File: BF111950.D

Acq: 9 Jan 2019 15:38

Tgt Ion:	264	Resp:	252121
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	22.2	17.1	25.7





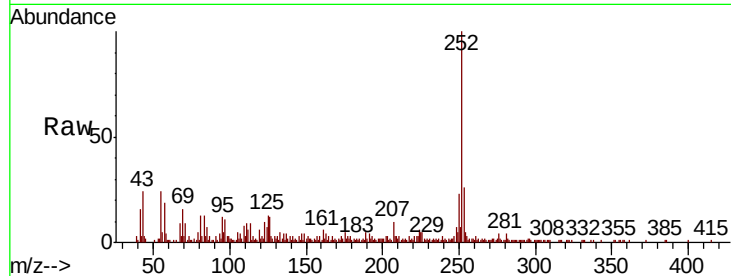
#88
Benzo(b)fluoranthene
Concen: 4.520 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF111950.D
Acq: 9 Jan 2019 15:38

Instrument :
BNA_F
ClientSampleId :
JC-03-010819-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.0	25.6
125	13.4	7.1	10.7

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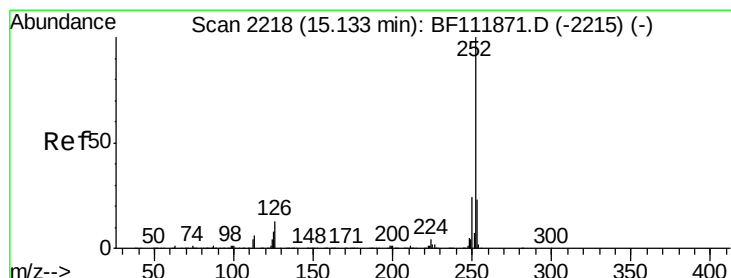
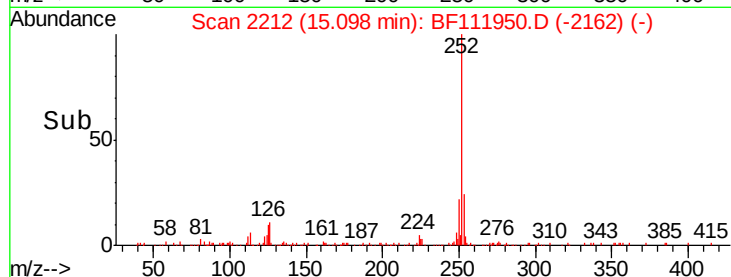
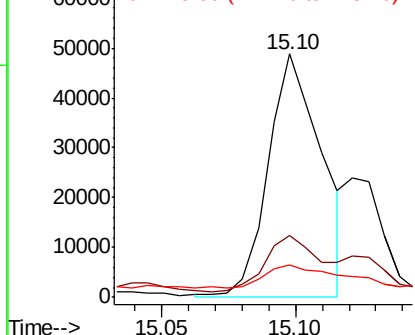


Abundance

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: 2.235 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF111950.D
Acq: 9 Jan 2019 15:38

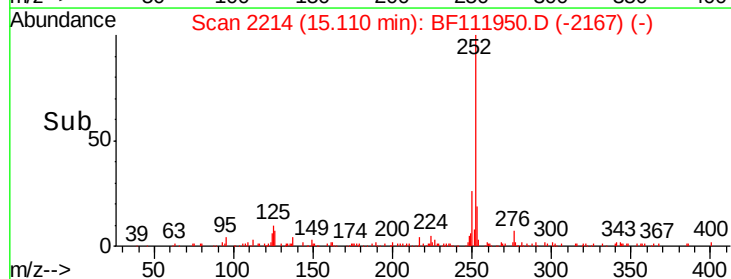
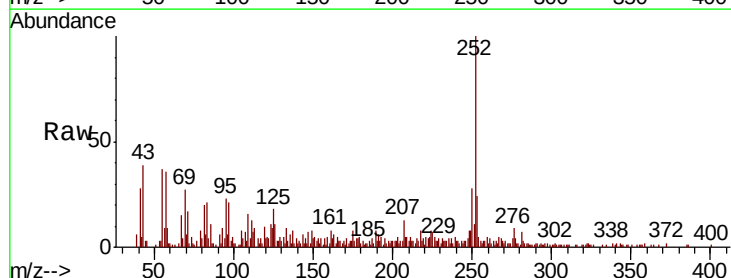
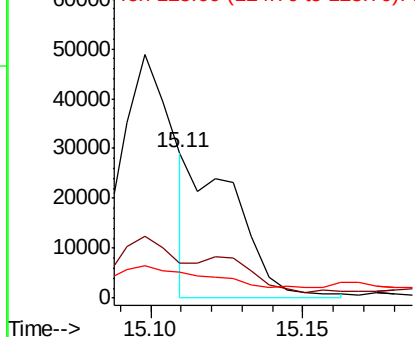
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	17.9	7.0	10.4

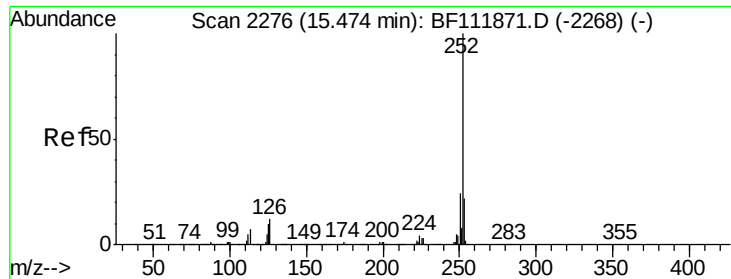
Abundance

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





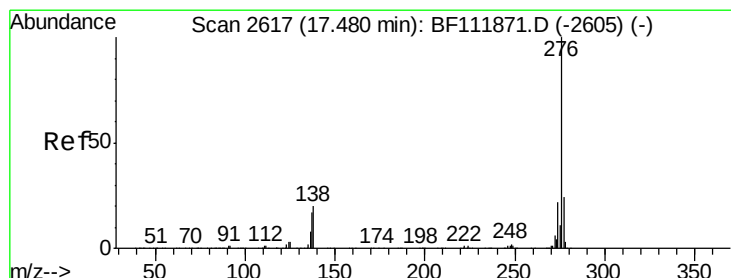
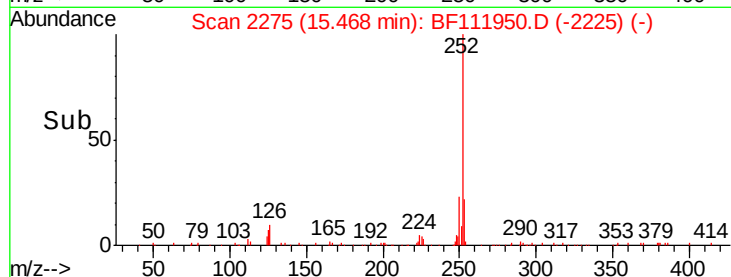
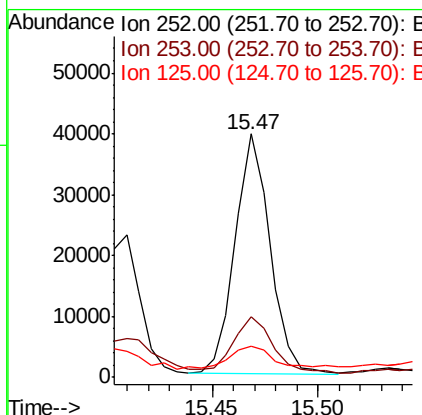
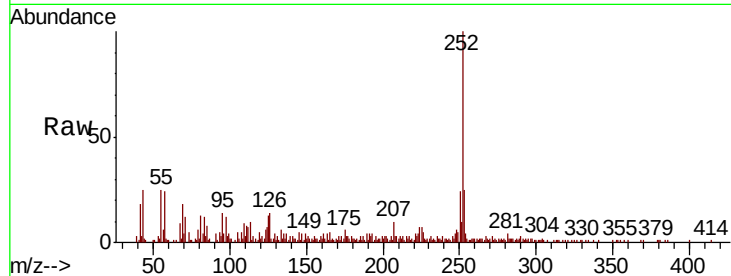
#90
Benzo(a)pyrene
Concen: 3.410 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF111950.D
Acq: 9 Jan 2019 15:38

Instrument :
BNA_F
ClientSampled :
JC-03-010819-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.4	26.2
125	13.0	7.9	11.9

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#92
Benzo(g,h,i)perylene
Concen: 2.146 ng
RT: 17.48 min Scan# 2617
Delta R.T. -0.00 min
Lab File: BF111950.D
Acq: 9 Jan 2019 15:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.6
138	23.4	16.2	24.2

