

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012419\
 Data File : BF112221.D
 Acq On : 24 Jan 2019 20:56
 Operator : JU/SJ
 Sample : K1223-09 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-U

Manual Integrations
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Quant Time: Jan 25 00:52:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	155390	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	588083	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	253086	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	416016	20.00	ng	0.00
76) Chrysene-d12	14.03	240	282167	20.00	ng	0.00
87) Perylene-d12	15.52	264	203894	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	479010	55.95	ng	0.00
7) Phenol-d6	6.50	99	511158	47.72	ng	0.00
23) Nitrobenzene-d5	7.42	82	305464	35.89	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	122428	44.84	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	578337	33.50	ng	0.00
79) Terphenyl-d14	12.97	244	440488	33.21	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.60	163	58405	3.164	ng	99
71) Phenanthrene	11.41	178	234862	11.218	ng	98
72) Anthracene	11.46	178	45896	2.164	ng	97
75) Fluoranthene	12.60	202	306848	13.881	ng	98
78) Pyrene	12.83	202	272041	14.613	ng	96
81) Benzo(a)anthracene	14.02	228	104736	6.474	ng	99
83) Chrysene	14.06	228	101046	6.601	ng	96
84) Bis(2-ethylhexyl)phthalate	14.00	149	43994	3.759	ng	97
86) Indeno(1,2,3-cd)pyrene	17.01	276	36993	2.619	ng	94
88) Benzo(b)fluoranthene	15.08	252	100449m	8.679	ng	
89) Benzo(k)fluoranthene	15.10	252	31476m	2.810	ng	
90) Benzo(a)pyrene	15.45	252	62847	5.921	ng	# 87
92) Benzo(a,h,i)perylene	17.46	276	35791	3.854	ng	# 93

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

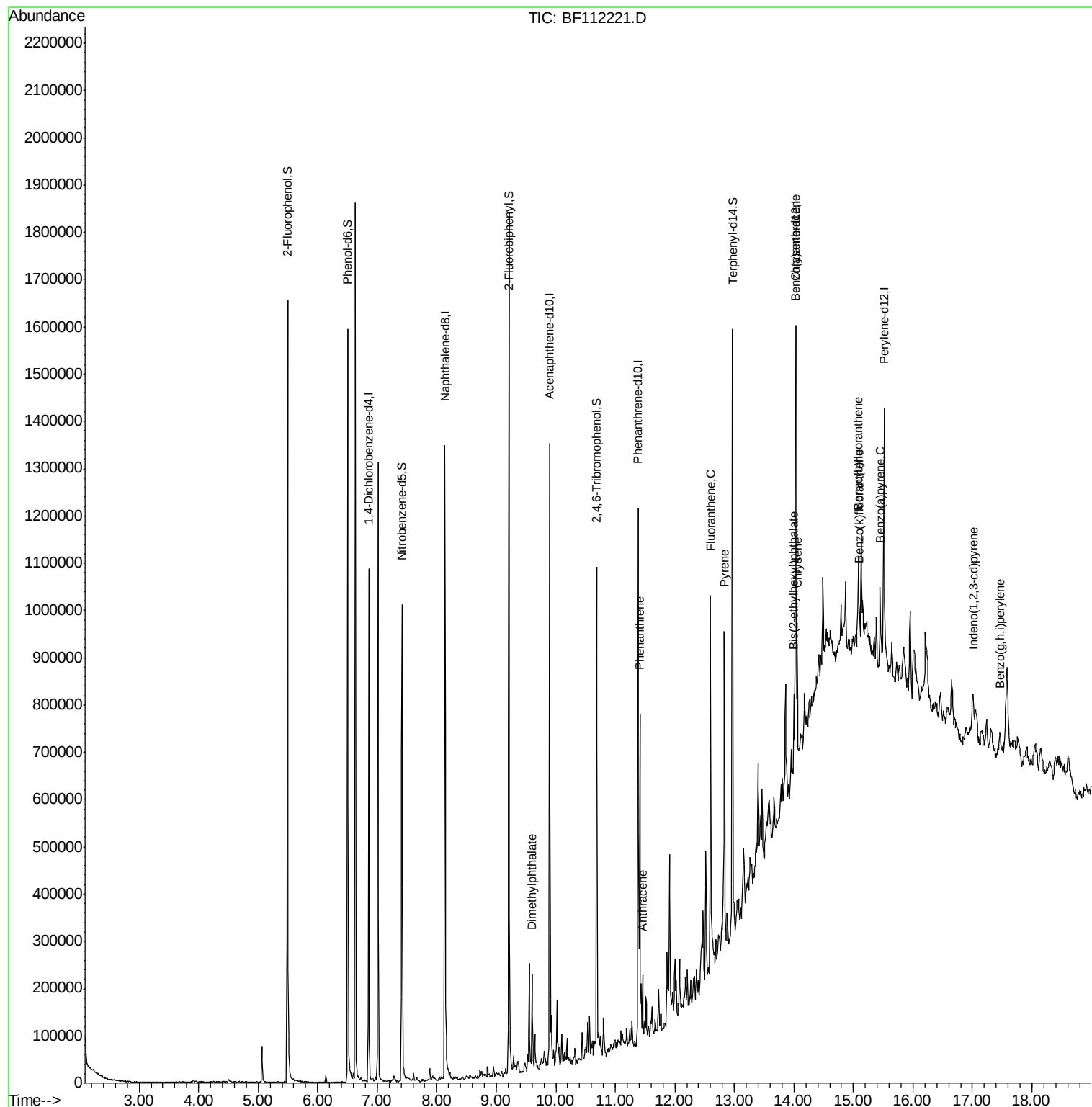
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012419\
Data File : BF112221.D
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Operator : JU/SJ
Sample : K1223-09 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

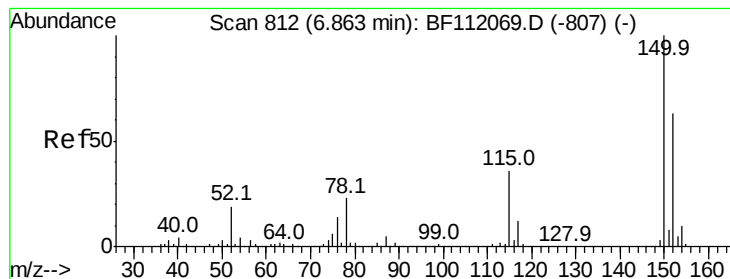
Instrument :
BNA_F
ClientSampled :
TS-U

Quant Time: Jan 25 00:52:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
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#1

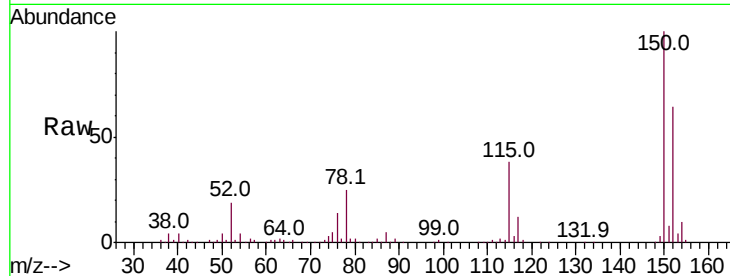
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF112221.D
Acq: 24 Jan 2019 20:56

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	127.4	191.0
115	60.2	45.5	68.3

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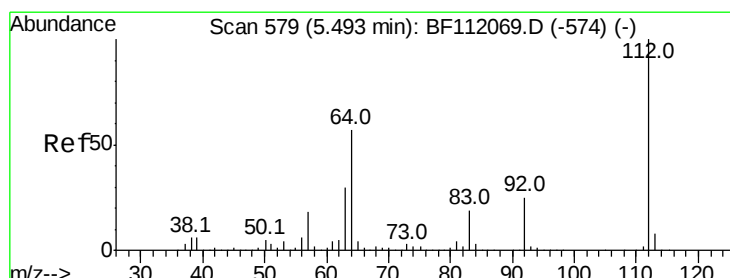
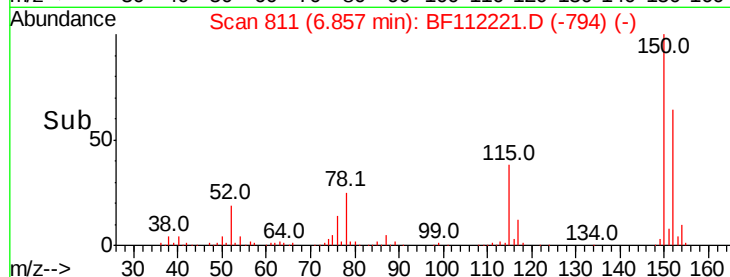
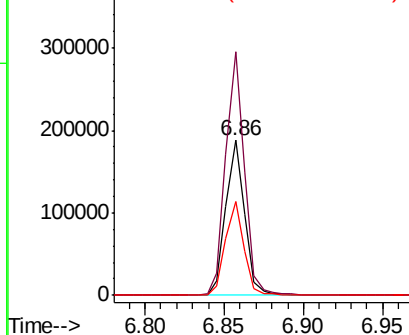


Abundance

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: 55.951 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF112221.D
Acq: 24 Jan 2019 20:56

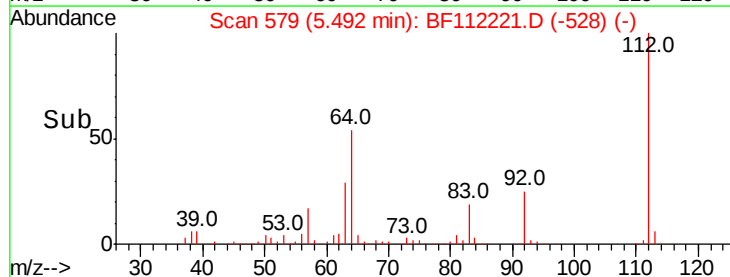
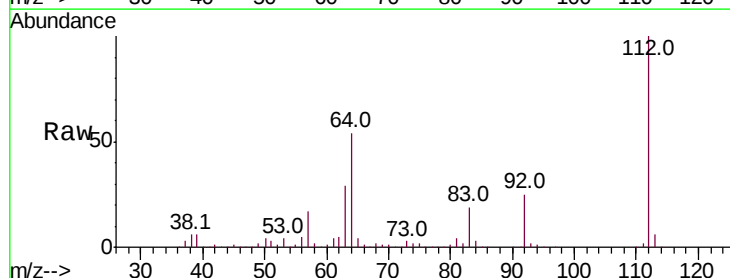
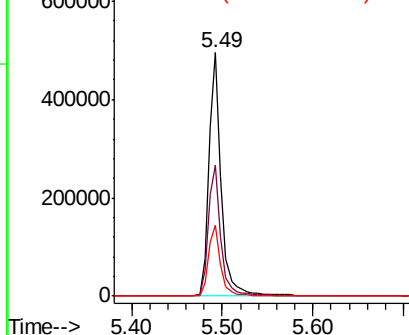
Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	45.7	68.5
63	29.0	23.6	35.4

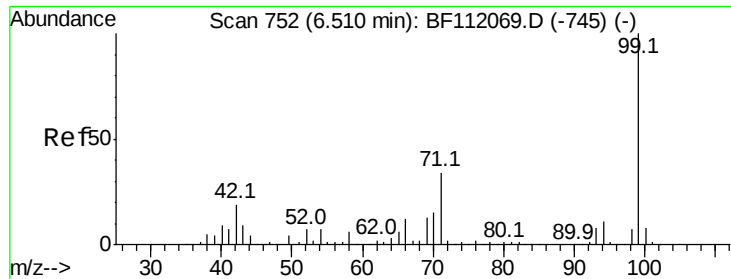
Abundance

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: 47.721 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF112221.D

Acq: 24 Jan 2019 20:56

Instrument :

BNA_F

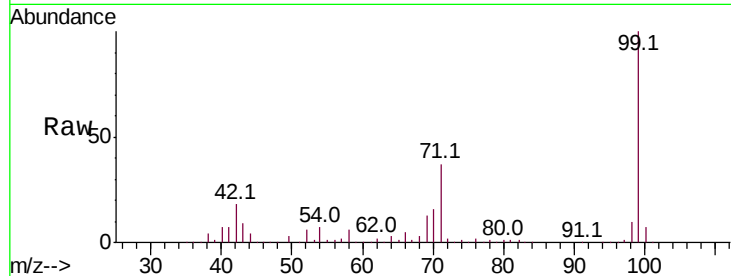
ClientSampled :

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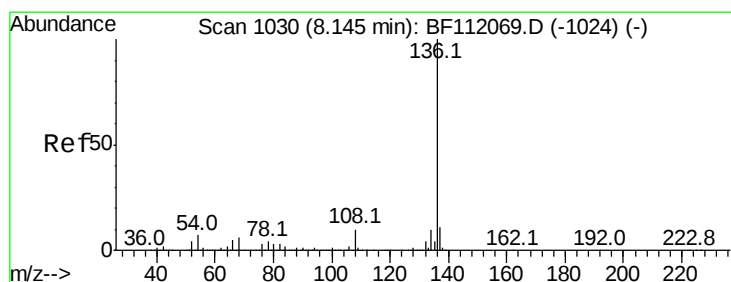
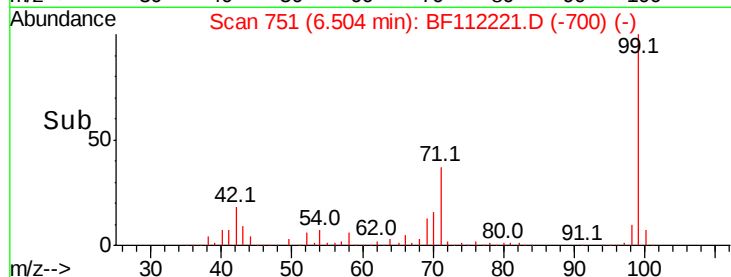
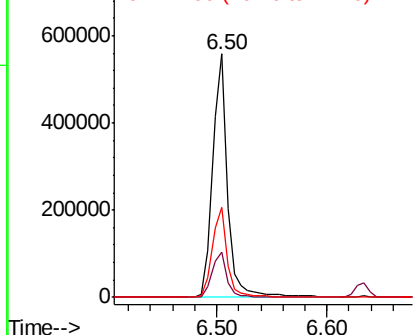
Tot Ion:	99	Resp:	511158
Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.1	22.7
71	37.2	26.9	40.3

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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: 8.14 min Scan# 1029

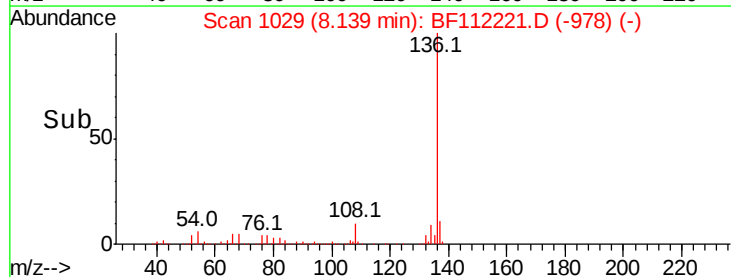
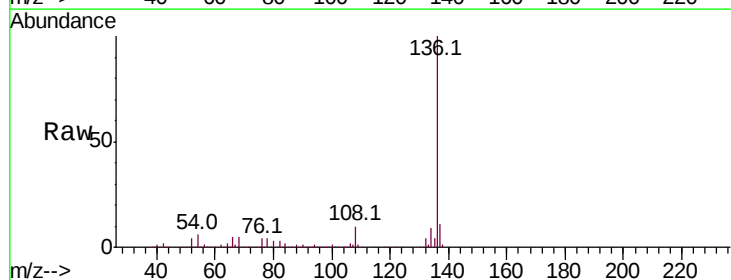
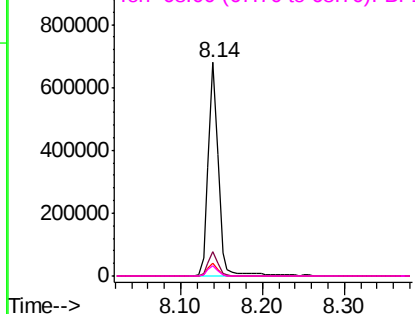
Delta R.T. -0.00 min

Lab File: BF112221.D

Acq: 24 Jan 2019 20:56

Tgt Ion:	136	Resp:	588083
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.2	5.9	8.9
68	4.6	5.1	7.7#

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





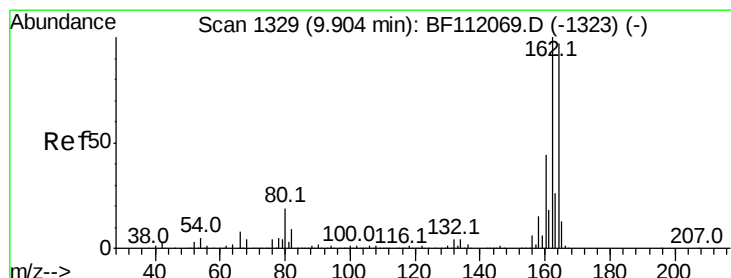
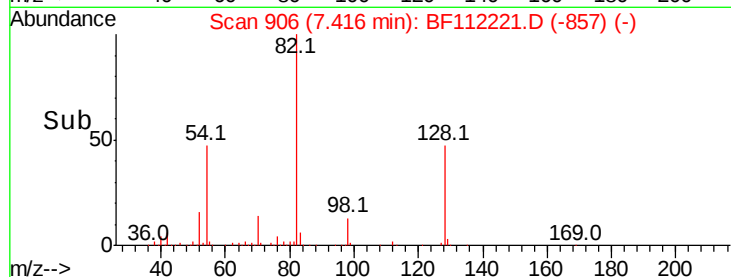
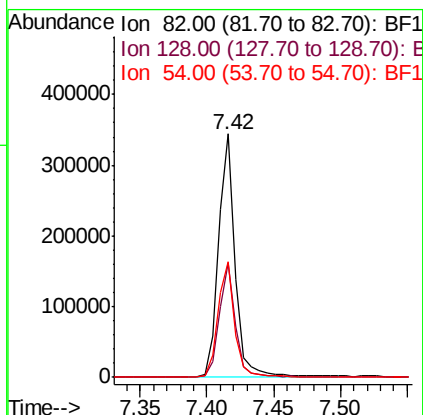
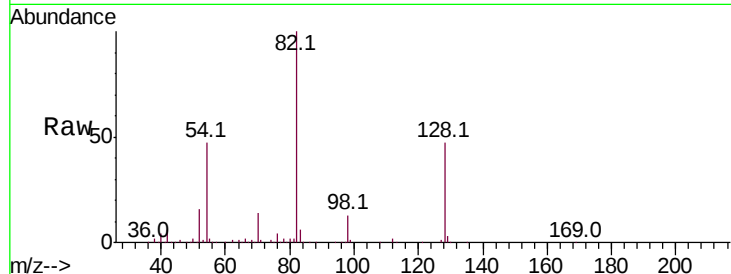
#23
Nitrobenzene-d5
Concen: 35.886 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF112221.D
Acq: 24 Jan 2019 20:56

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.8	56.8
54	47.4	39.7	59.5

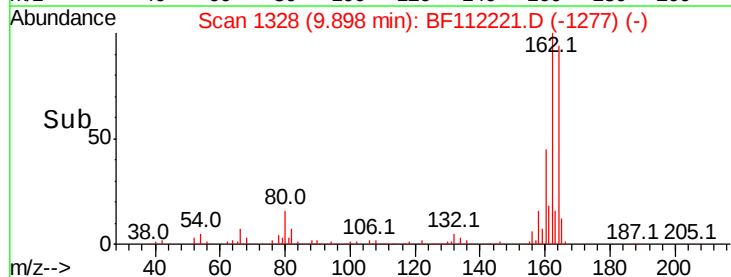
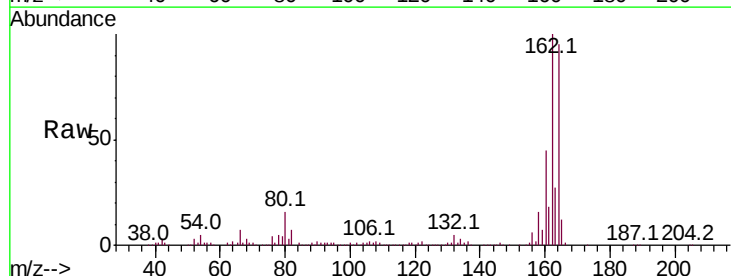
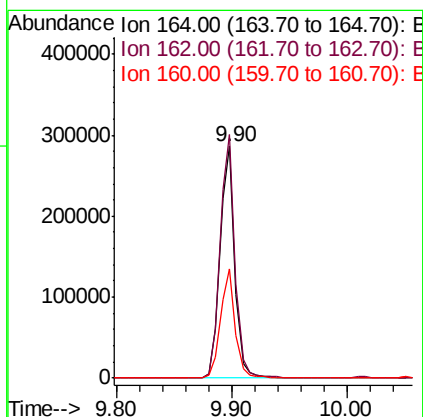
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF112221.D
Acq: 24 Jan 2019 20:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.2	123.4
160	47.2	36.2	54.4





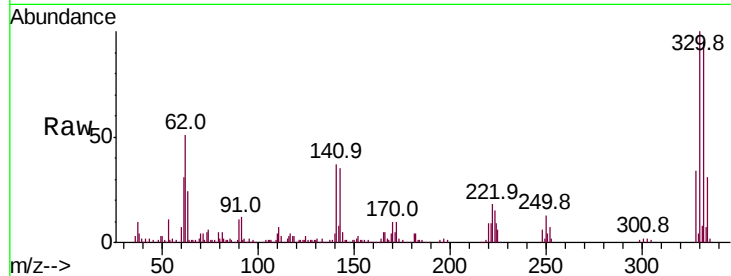
#42
 2,4,6-Tribromophenol
 Concen: 44.841 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF112221.D
 Acq: 24 Jan 2019 20:56

Instrument :
 BNA_F
 ClientSampled :
 TS-U

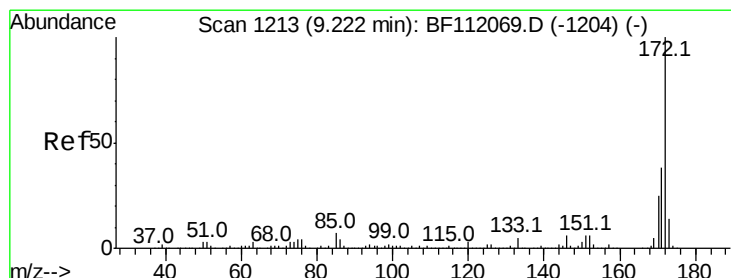
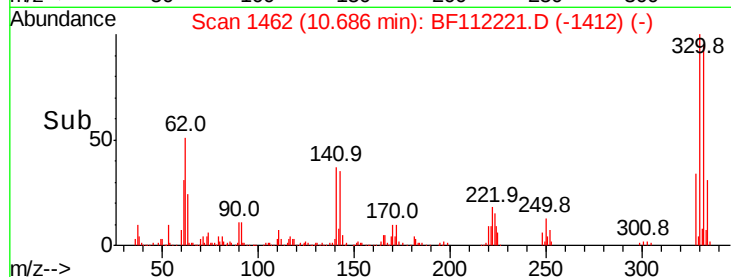
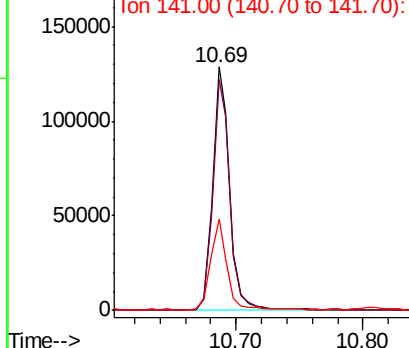
Tot Ion	Ratio	Resp	Lower	Upper
330	100	122428		
332	95.2	76.6	114.8	
141	34.7	24.3	36.5	

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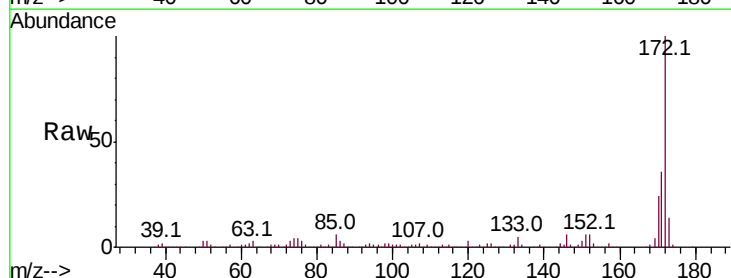


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

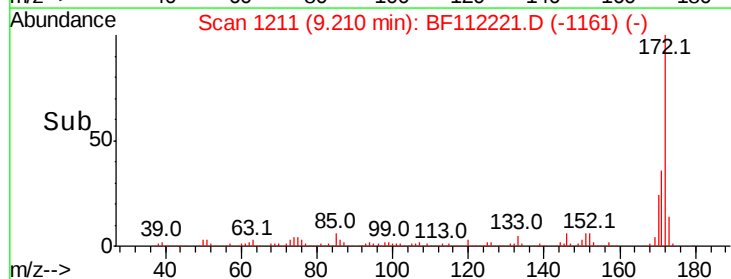
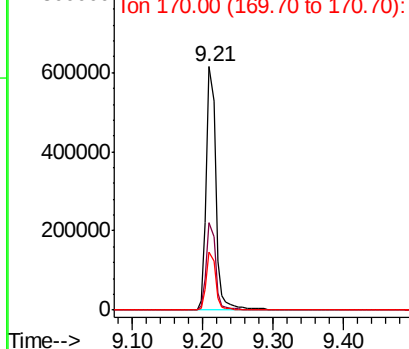


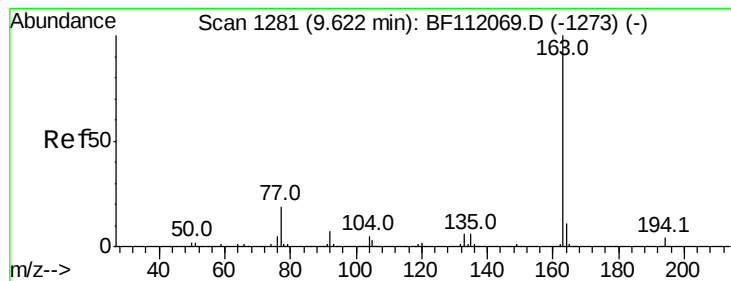
#45
 2-Fluorobiphenyl
 Concen: 33.503 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF112221.D
 Acq: 24 Jan 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	578337		
171	35.8	30.5	45.7	
170	23.7	20.2	30.4	



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: 3.164 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF112221.D

Acq: 24 Jan 2019 20:56

Instrument :

BNA_F

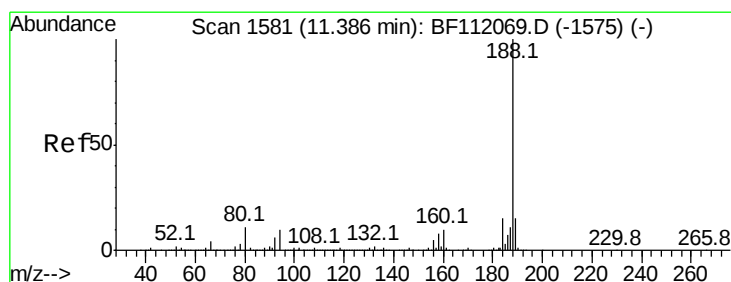
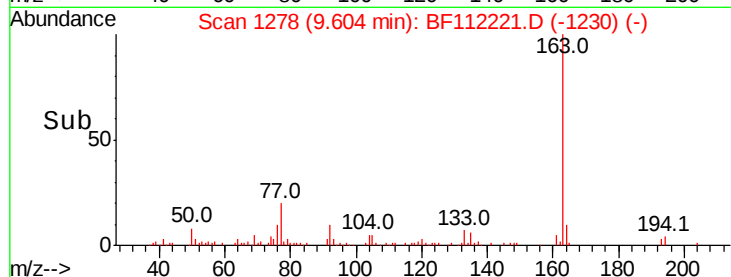
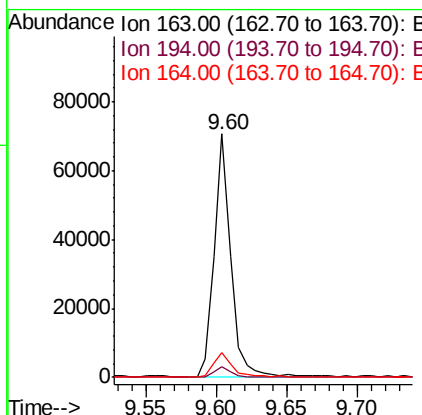
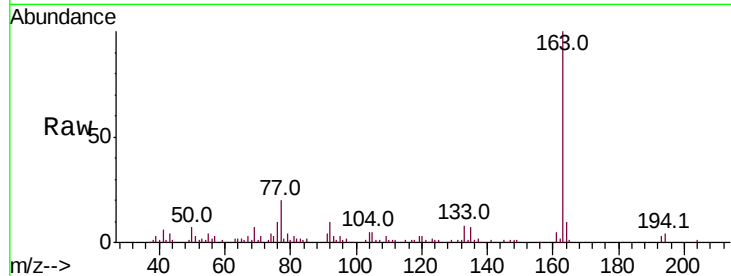
ClientSampleId :

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Tot Ion:	163	Resp:	58405
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.3	4.9
164	10.3	8.5	12.7

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#64

Phenanthrene-d10

Concen: 20.000 ng

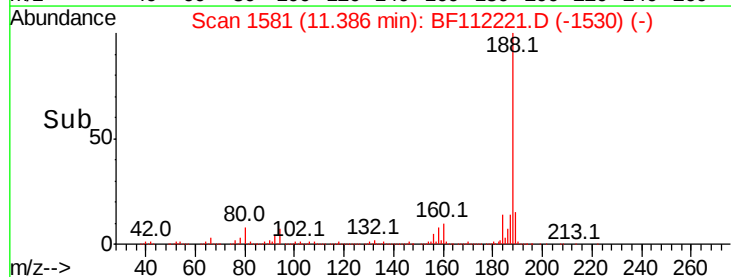
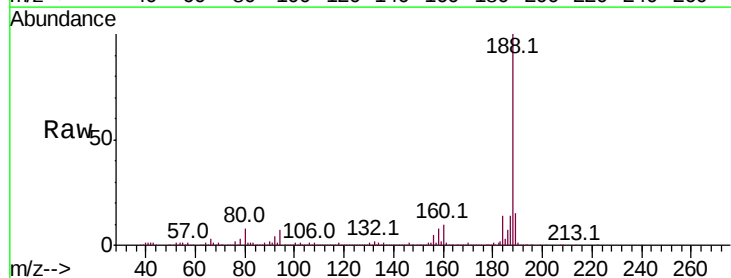
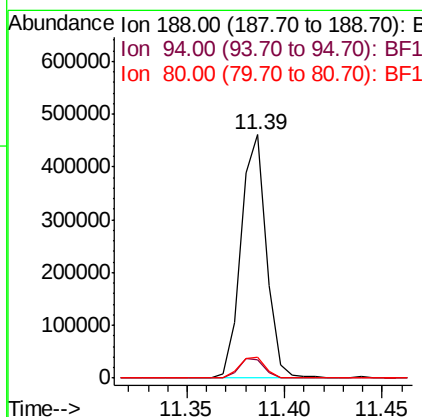
RT: 11.39 min Scan# 1581

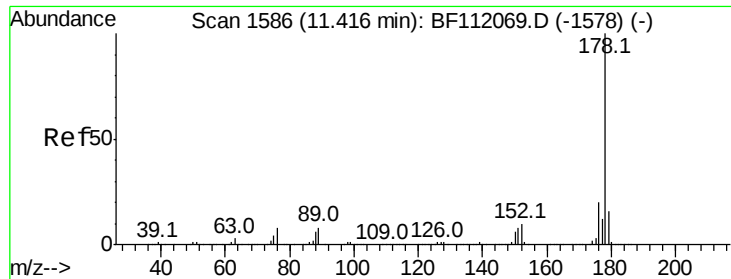
Delta R.T. -0.00 min

Lab File: BF112221.D

Acq: 24 Jan 2019 20:56

Tgt Ion:	188	Resp:	416016
Ion Ratio	Lower	Upper	
188	100		
94	7.3	8.2	12.2#
80	8.4	8.9	13.3#





#71

Phenanthrene

Concen: 11.218 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF112221.D

Acq: 24 Jan 2019 20:56

Instrument :

BNA_F

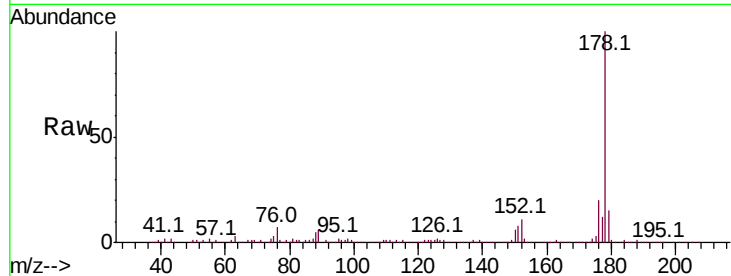
ClientSampled :

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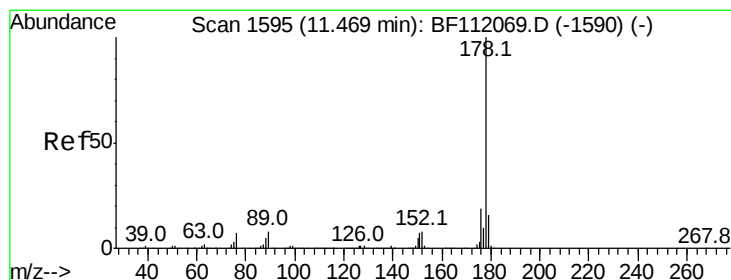
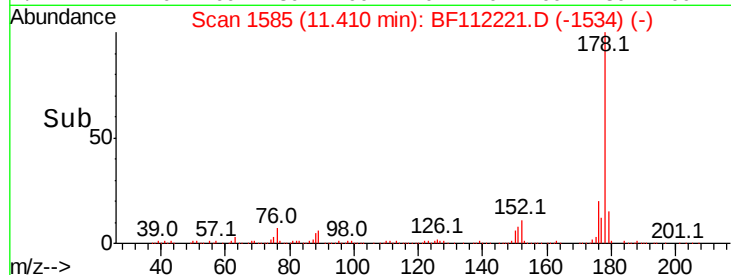
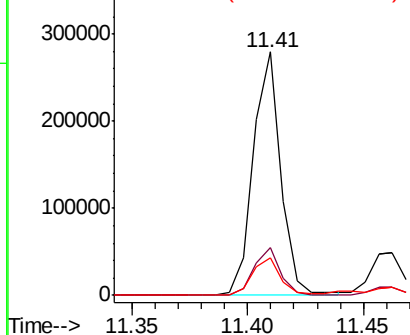
Tot Ion:	178	Resp:	234862
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.3	24.5
179	15.2	13.0	19.4

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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



#72

Anthracene

Concen: 2.164 ng

RT: 11.46 min Scan# 1594

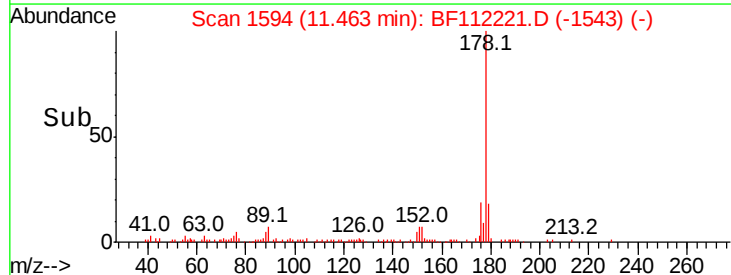
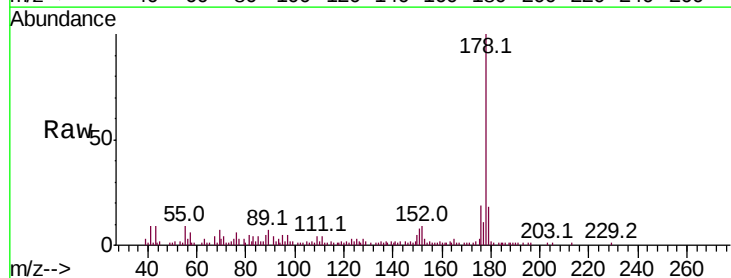
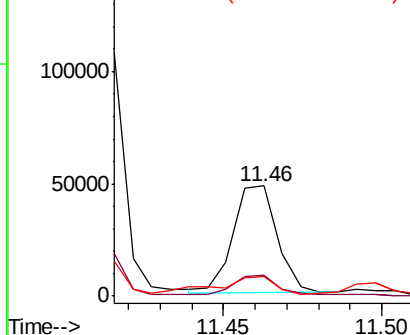
Delta R.T. -0.00 min

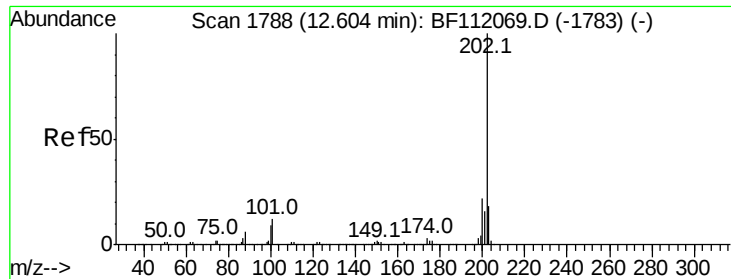
Lab File: BF112221.D

Acq: 24 Jan 2019 20:56

Tgt Ion:	178	Resp:	45896
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.5	23.3
179	18.1	12.8	19.2

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: 13.881 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF112221.D

Acq: 24 Jan 2019 20:56

Instrument :

BNA_F

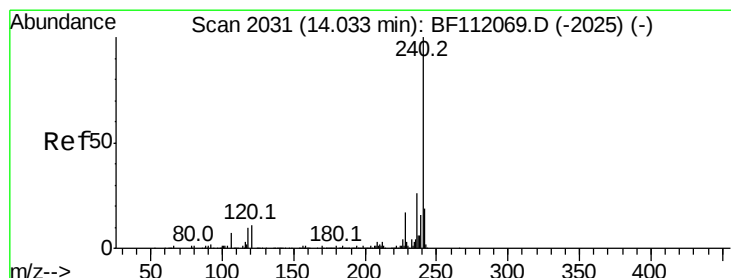
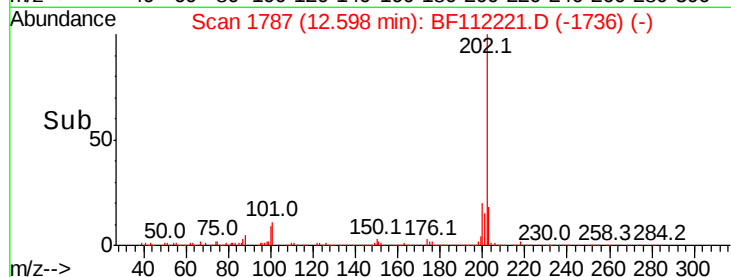
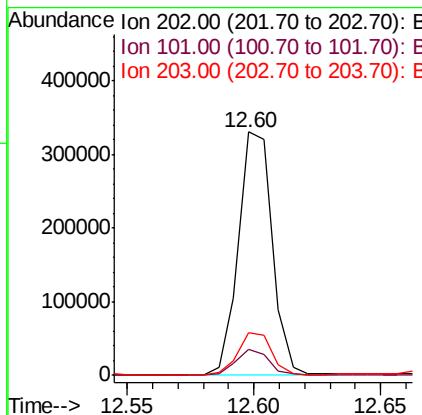
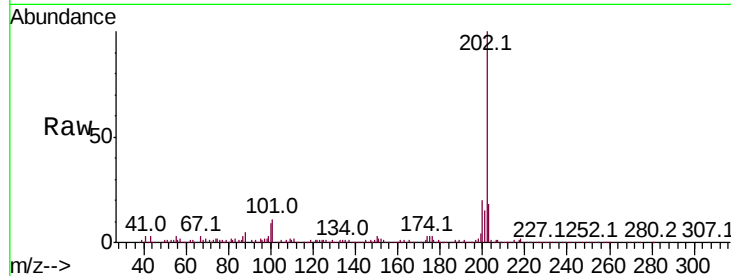
ClientSampleId :

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Tot Ion:	202	Resp:	306848
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	31.8
203	17.7	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

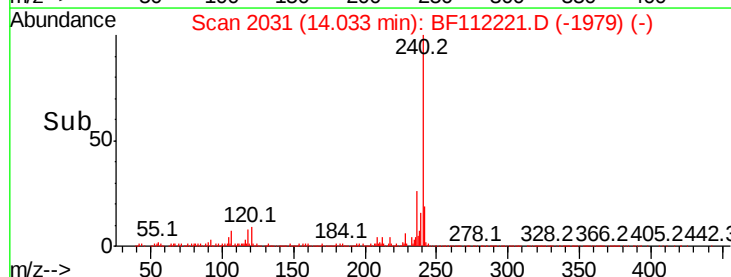
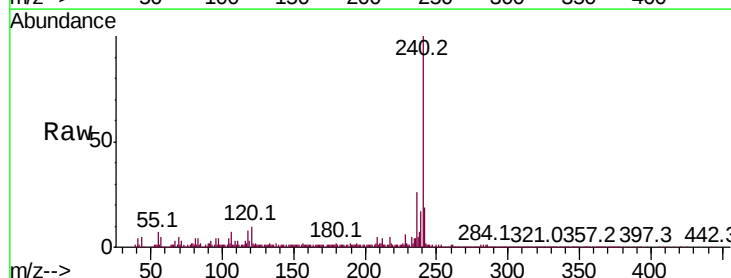
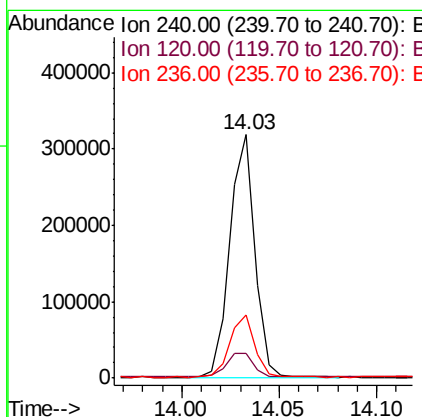
RT: 14.03 min Scan# 2031

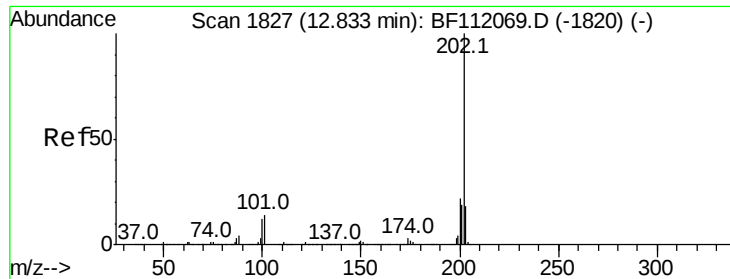
Delta R.T. 0.01 min

Lab File: BF112221.D

Acq: 24 Jan 2019 20:56

Tgt Ion:	240	Resp:	282167
Ion Ratio	Lower	Upper	
240	100		
120	10.0	9.0	13.6
236	26.1	20.7	31.1





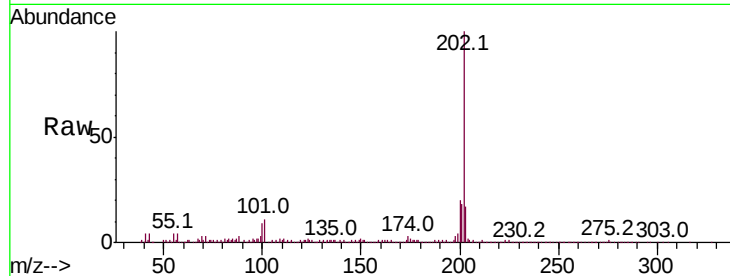
#78
Pvrene
Concen: 14.613 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF112221.D
Acq: 24 Jan 2019 20:56

Instrument :
BNA_F
ClientSampleId :
TS-U

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.6	17.7	26.5
203	17.2	14.6	22.0

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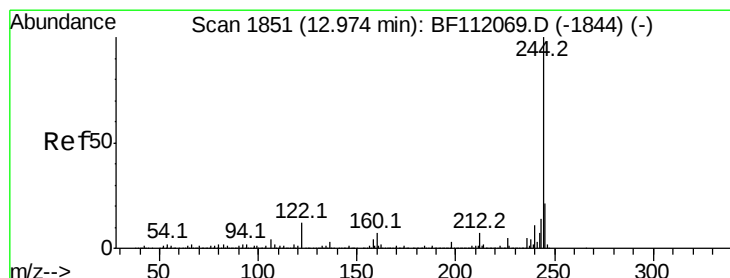
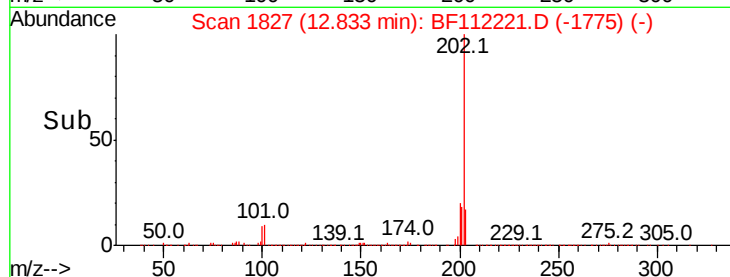
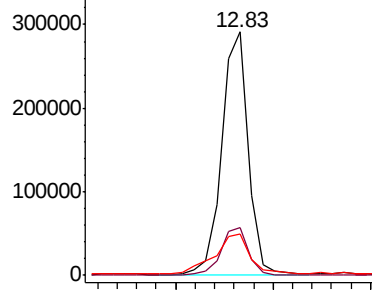


Abundance

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: 33.210 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.00 min
Lab File: BF112221.D
Acq: 24 Jan 2019 20:56

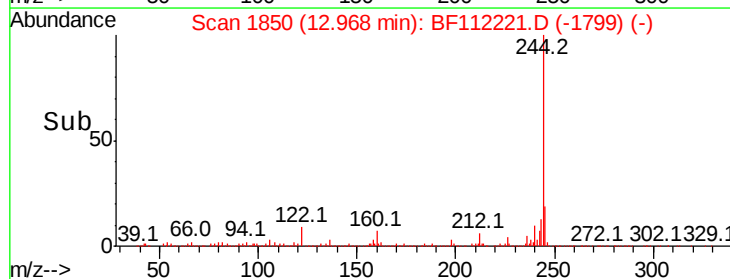
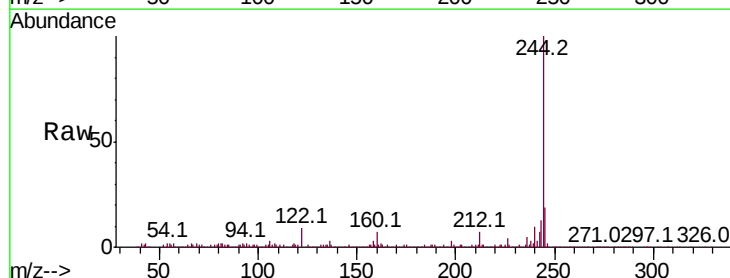
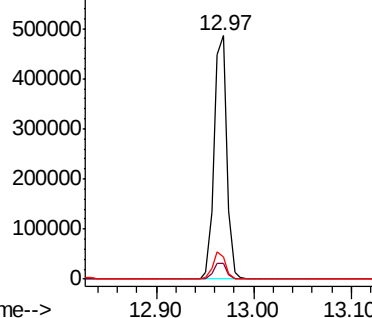
Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.9	8.9
122	9.2	9.8	14.6#

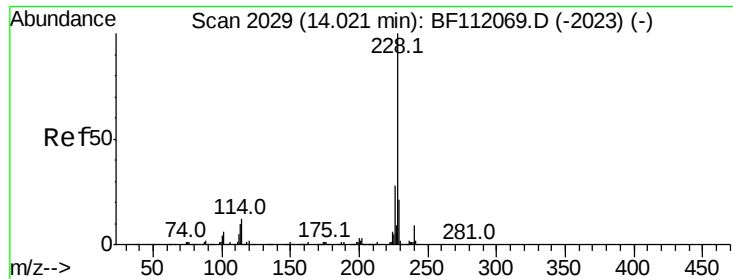
Abundance

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





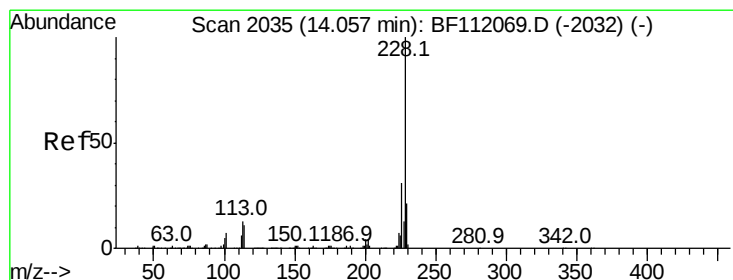
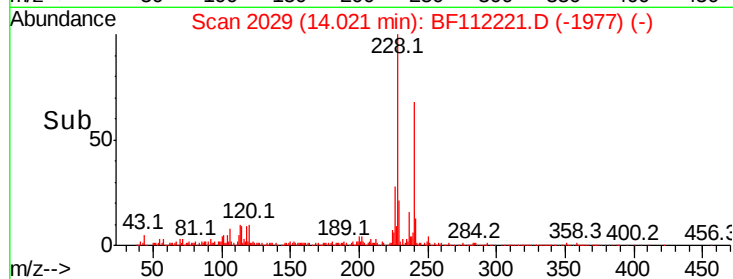
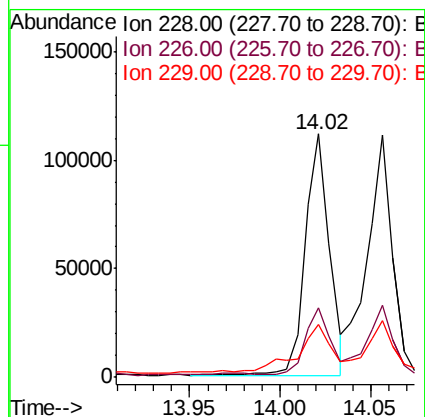
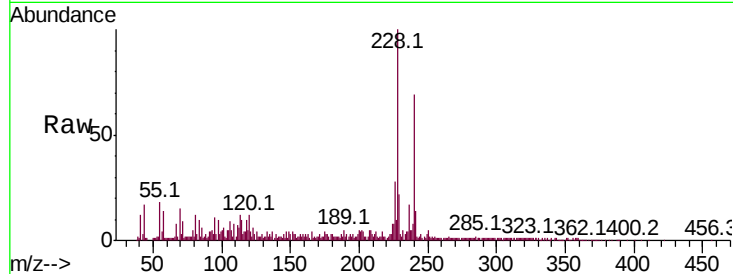
#81
Benzo(a)anthracene
Concen: 6.474 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF112221.D
Acq: 24 Jan 2019 20:56

Instrument :
BNA_F
ClientSampled :
TS-U

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	34.0
229	22.0	16.5	24.7

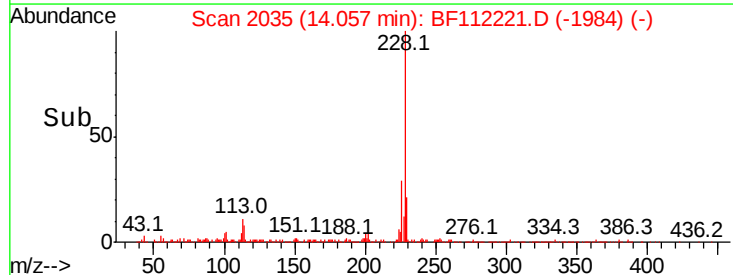
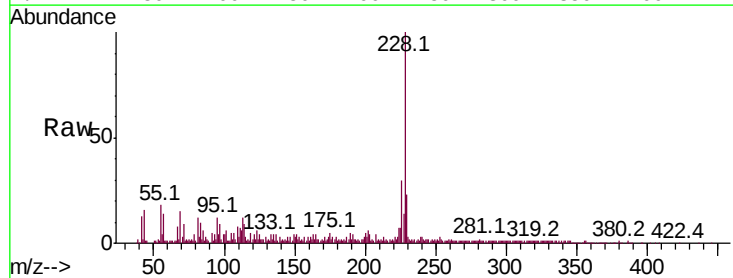
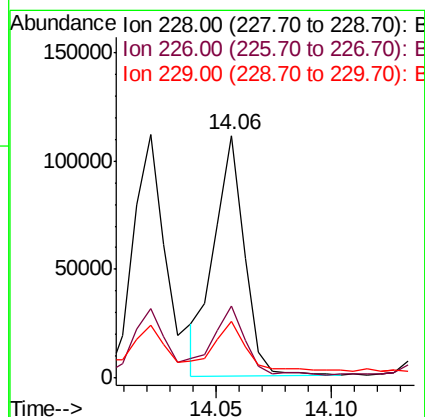
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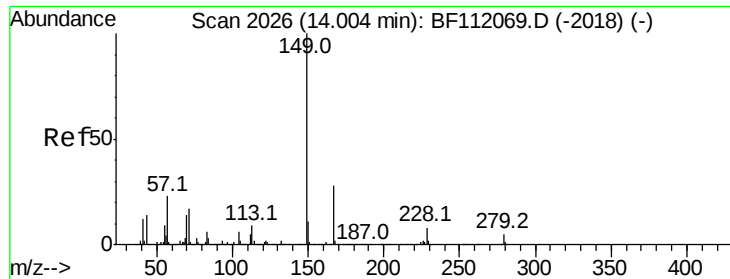
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#83
Chrysene
Concen: 6.601 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF112221.D
Acq: 24 Jan 2019 20:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	23.3	16.6	24.8





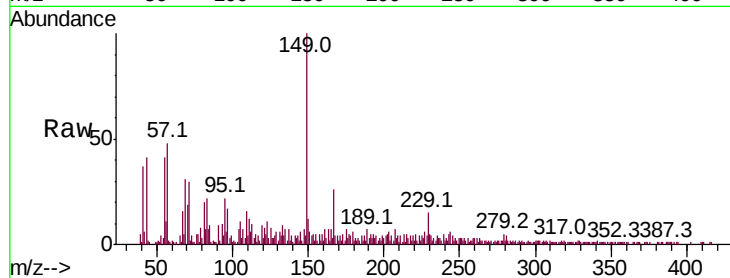
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.759 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF112221.D
Acq: 24 Jan 2019 20:56

Instrument :
BNA_F
ClientSampleId :
TS-U

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.2	22.5	33.7
279	5.4	3.8	5.6

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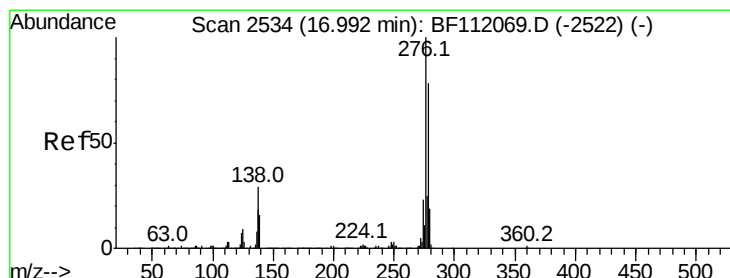
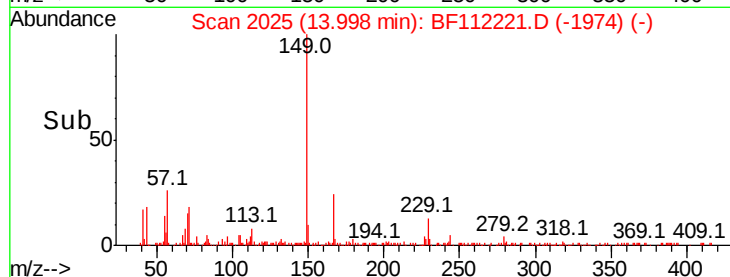
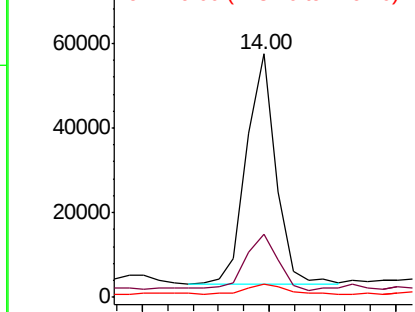


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.619 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.02 min
Lab File: BF112221.D
Acq: 24 Jan 2019 20:56

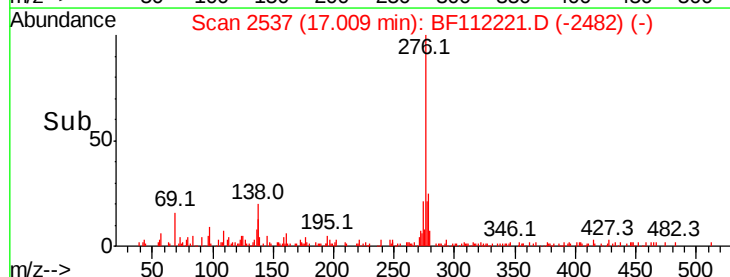
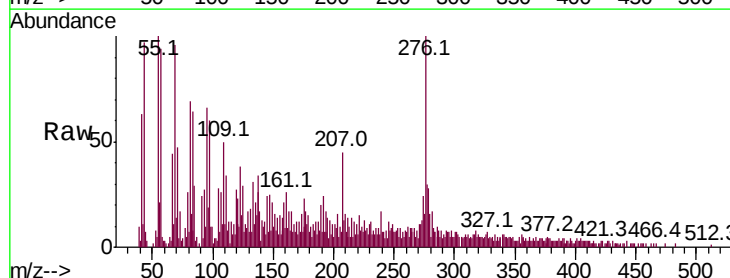
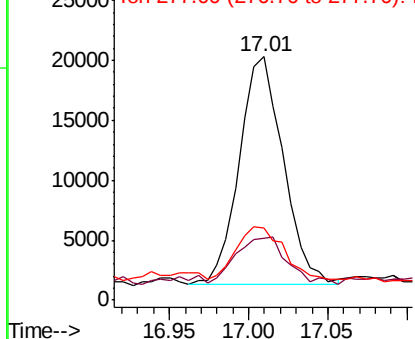
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.6	22.6	34.0
277	27.1	20.3	30.5

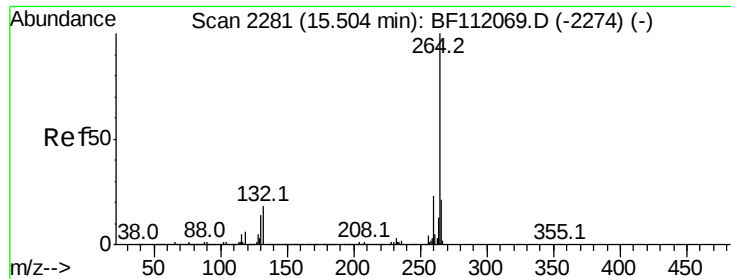
Abundance

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

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.02 min

Lab File: BF112221.D

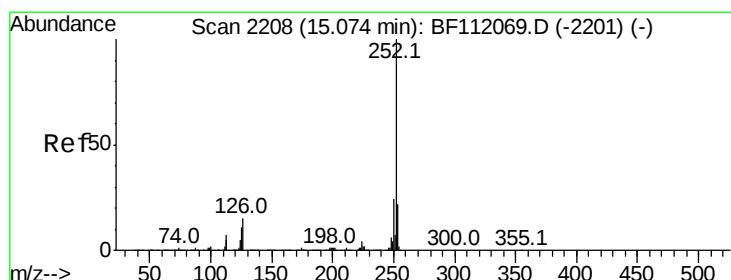
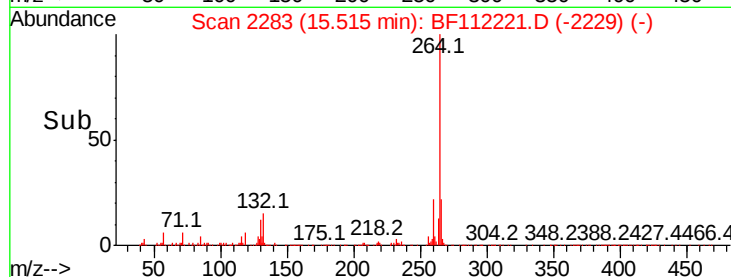
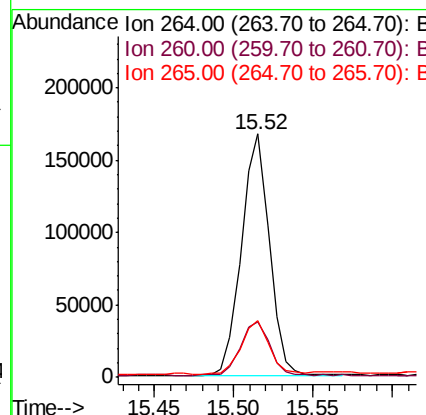
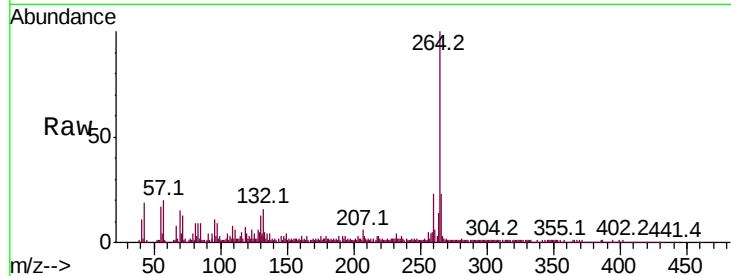
Acq: 24 Jan 2019 20:56

Instrument :
BNA_F
ClientSampled :
TS-U

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.2	27.2
265	23.2	17.0	25.4

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#88

Benzo(b)fluoranthene

Concen: 8.679 ng m

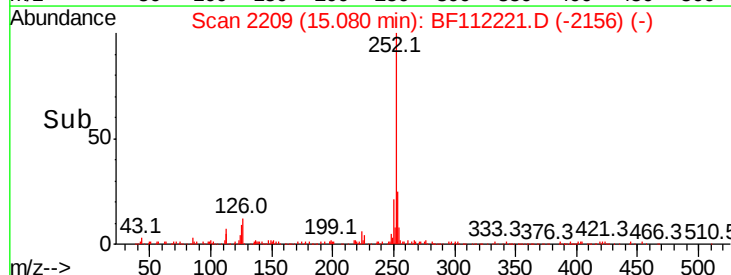
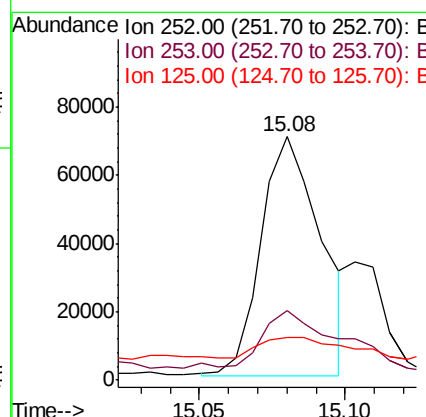
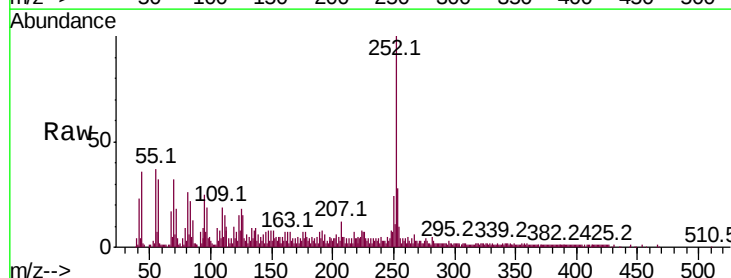
RT: 15.08 min Scan# 2209

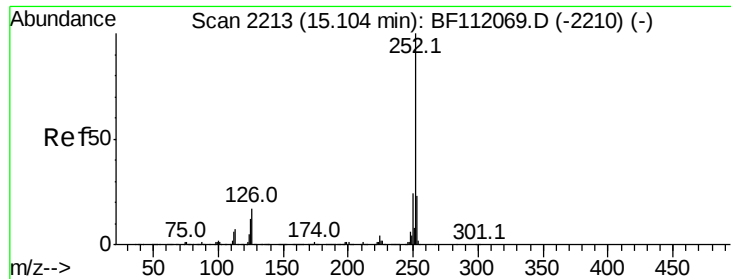
Delta R.T. 0.01 min

Lab File: BF112221.D

Acq: 24 Jan 2019 20:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.0	27.0#
125	17.5	8.7	13.1#





#89

Benzo(k)fluoranthene

Concen: 2.810 ng

RT: 15.10 min Scan# 2213

Delta R.T. 0.01 min

Lab File: BF112221.D

Acq: 24 Jan 2019 20:56

Instrument :

BNA_F

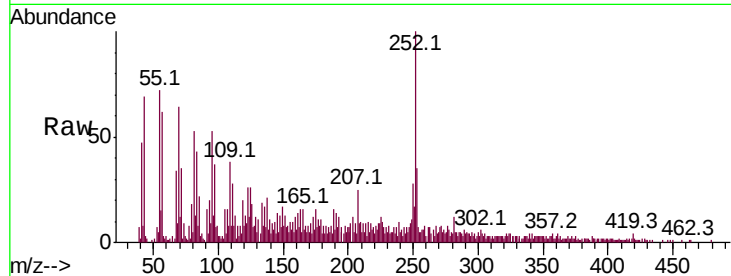
ClientSampled :

TS-U

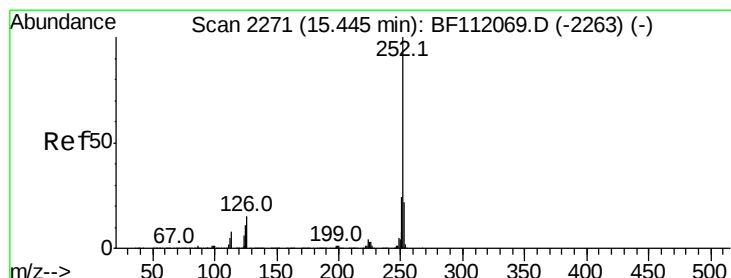
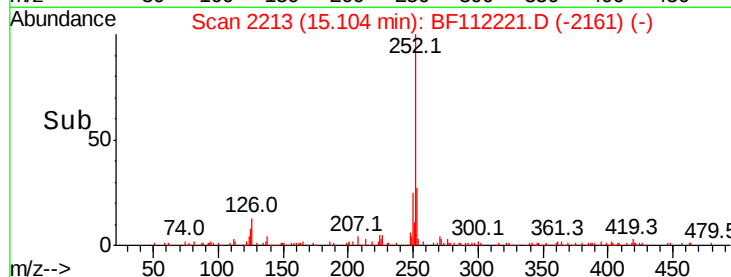
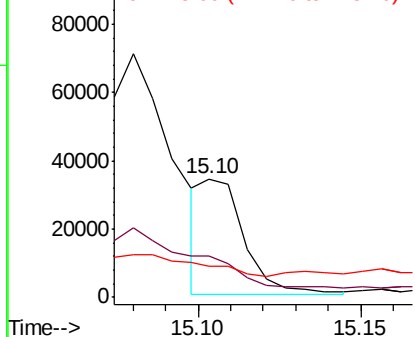
Tot Ion:	252	Resp:	31476
Ion Ratio	Lower	Upper	
252	100		
253	35.3	18.0	27.0#
125	26.0	9.1	13.7#

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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



#90

Benzo(a)pyrene

Concen: 5.921 ng

RT: 15.45 min Scan# 2272

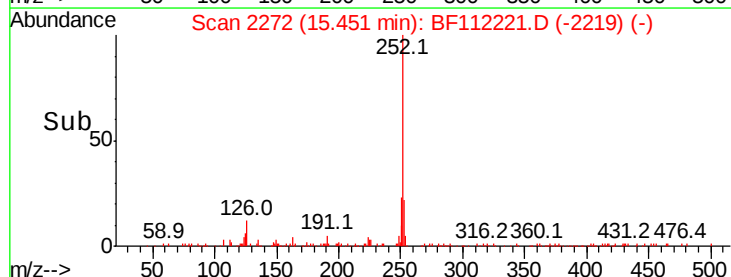
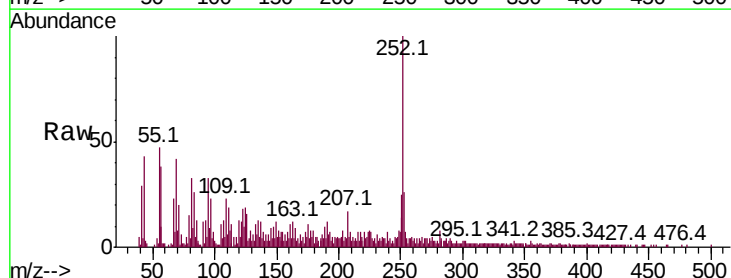
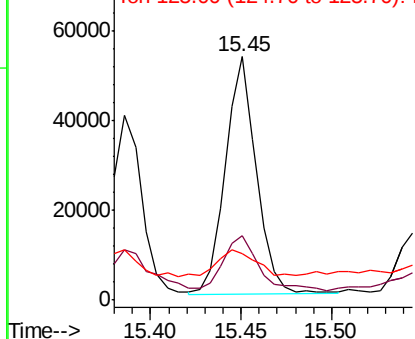
Delta R.T. 0.01 min

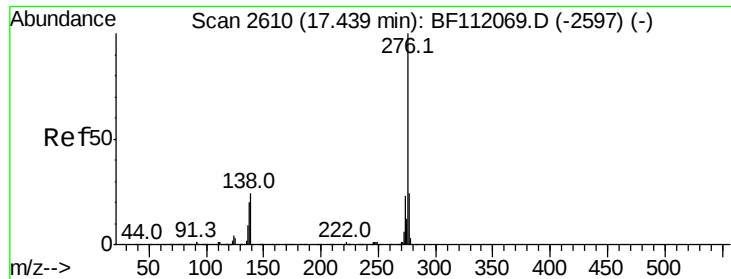
Lab File: BF112221.D

Acq: 24 Jan 2019 20:56

Tgt Ion:	252	Resp:	62847
Ion Ratio	Lower	Upper	
252	100		
253	26.5	17.5	26.3#
125	19.0	9.0	13.4#

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





#92
 Benzo(a,h,i)perylene
 Concen: 3.854 ng
 RT: 17.46 min Scan# 2614
 Delta R.T. 0.04 min
 Lab File: BF112221.D
 Acq: 24 Jan 2019 20:56

Instrument :
 BNA_F
 ClientSampleId :
 TS-U

Tot Ion	Ratio	Lower	Upper
276	100		
277	31.0	19.4	29.0#
138	23.9	19.1	28.7

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