

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
 Data File : BF111601.D
 Acq On : 19 Dec 2018 20:20
 Operator : JU/SJ
 Sample : J6403-45
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-B

Manual Integrations
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 12/20/2018 12:42:06 PM

Quant Time: Dec 20 10:34:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	209813	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	782254	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	391152	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	731323	20.00	ng	0.00
76) Chrysene-d12	14.04	240	566865	20.00	ng	0.00
87) Perylene-d12	15.52	264	580881	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1339998	108.86	ng	0.00
7) Phenol-d6	6.52	99	1715577	109.52	ng	0.00
23) Nitrobenzene-d5	7.45	82	1050465	78.17	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	490994	106.24	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1676773	62.48	ng	0.00
79) Terphenyl-d14	12.99	244	1656798	55.43	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.53	94	108116	6.117	ng	95
50) Dimethylphthalate	9.64	163	212646	7.434	ng	97
71) Phenanthrene	11.43	178	169895	4.380	ng	94
75) Fluoranthene	12.62	202	296194	7.542	ng	98
78) Pyrene	12.85	202	313020	7.820	ng	95
81) Benzo(a)anthracene	14.03	228	149370	4.617	ng	95
83) Chrysene	14.07	228	134958	4.245	ng	98
86) Indeno(1,2,3-cd)pyrene	16.98	276	85491m	3.163	ng	
88) Benzo(b)fluoranthene	15.08	252	186666m	5.498	ng	
90) Benzo(a)pyrene	15.44	252	151026m	4.897	ng	
92) Benzo(g,h,i)perylene	17.42	276	85976m	3.260	ng	

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

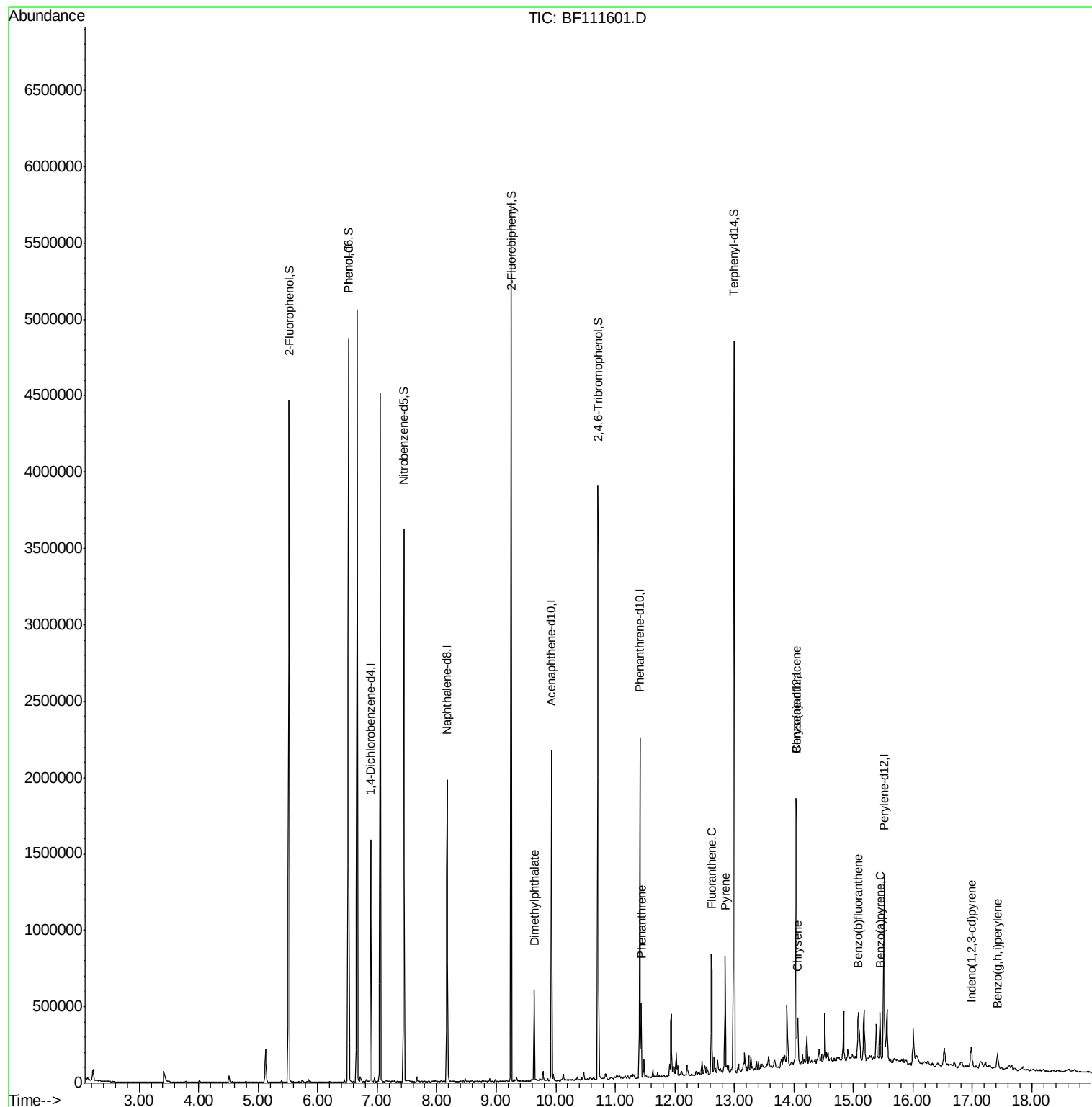
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
Data File : BF111601.D
Acq On : 19 Dec 2018 20:20
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Sample : J6403-45
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ALS Vial : 5 Sample Multiplier: 1

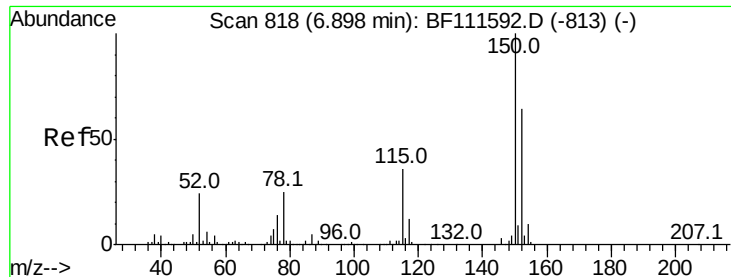
Instrument :
BNA_F
ClientSampleId :
TP-6-B

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Quant Time: Dec 20 10:34:35 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

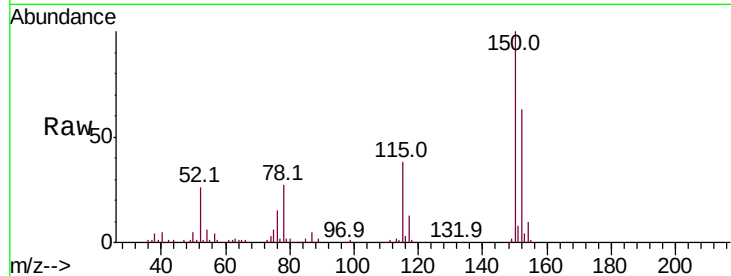
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF111601.D
Acq: 19 Dec 2018 20:20

Instrument :
BNA_F
ClientSampled :
TP-6-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	126.6	189.8
115	60.3	50.7	76.1

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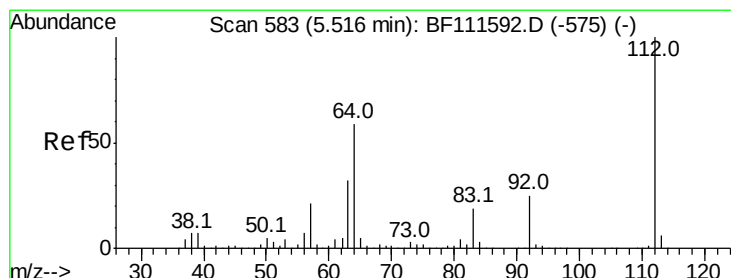
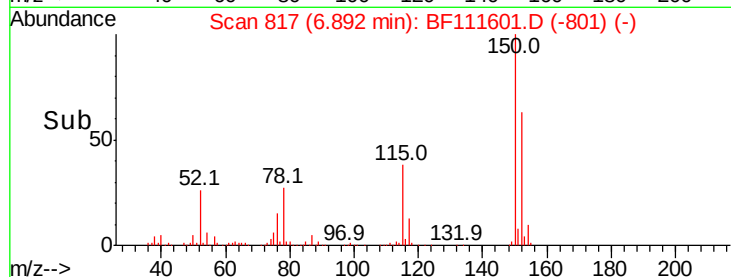
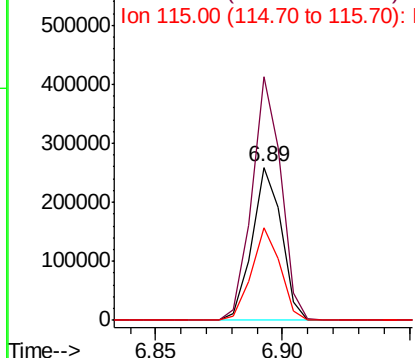


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

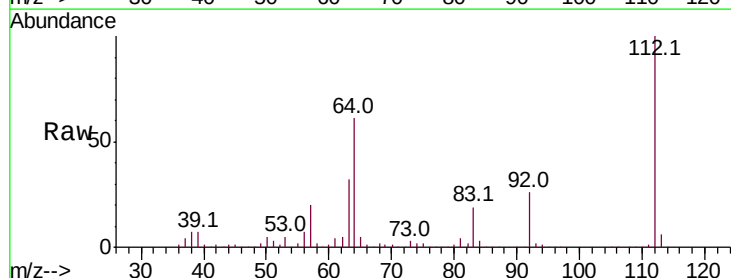
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 108.862 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF111601.D
Acq: 19 Dec 2018 20:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	51.8	77.6
63	32.4	26.8	40.2

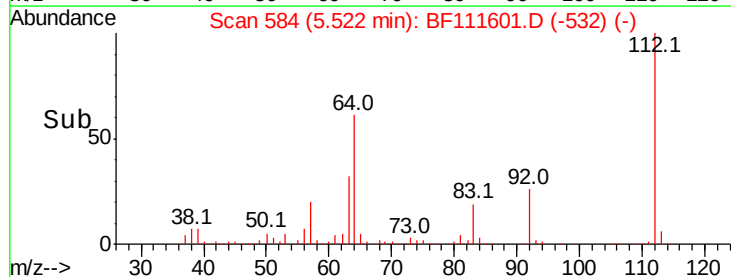
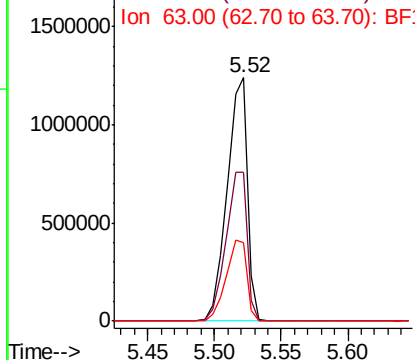


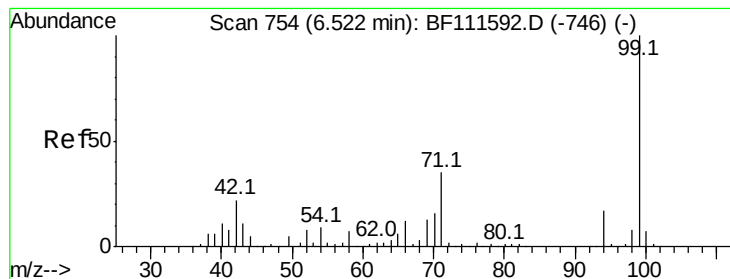
Abundance

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: 109.515 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF111601.D

Acq: 19 Dec 2018 20:20

Instrument :

BNA_F

ClientSampled :

TP-6-B

Tot Ion: 99 Resp: 1715577

Ion Ratio Lower Upper

99 100

42 22.2 17.4 26.0

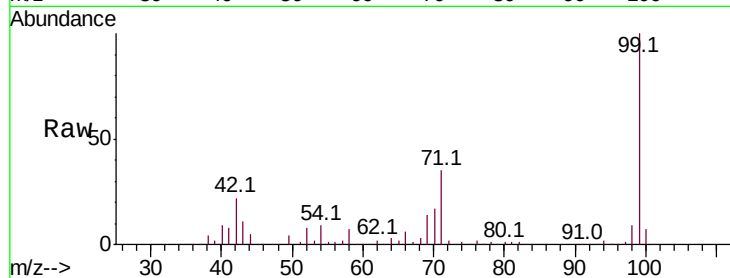
71 35.2 26.1 39.1

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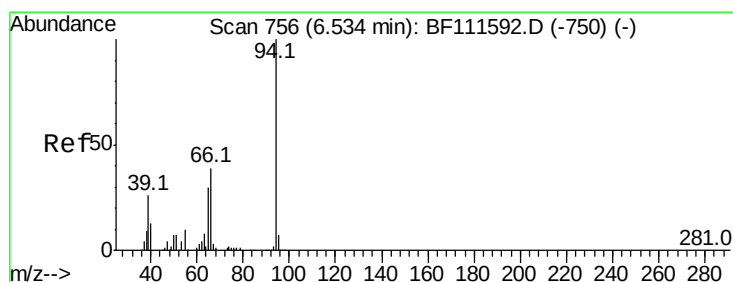
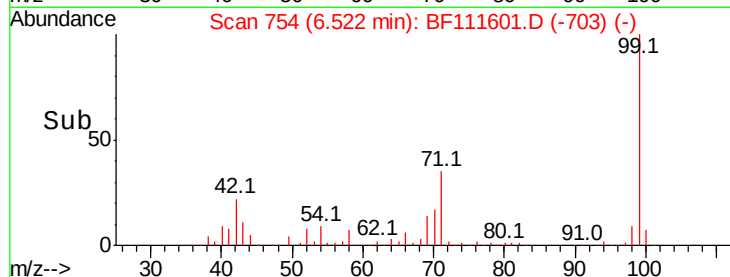
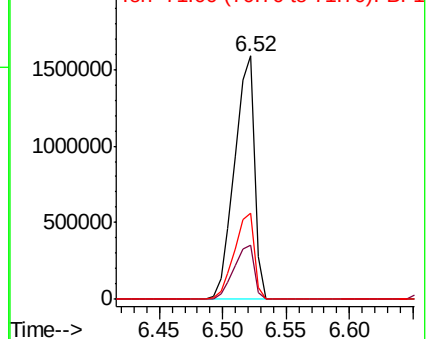
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 6.117 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111601.D

Acq: 19 Dec 2018 20:20

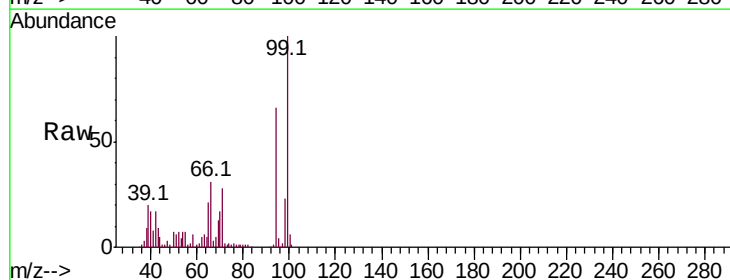
Tgt Ion: 94 Resp: 108116

Ion Ratio Lower Upper

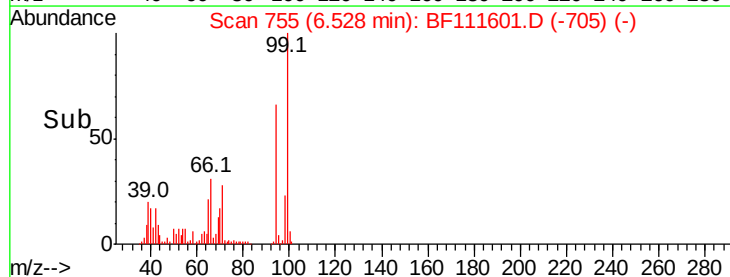
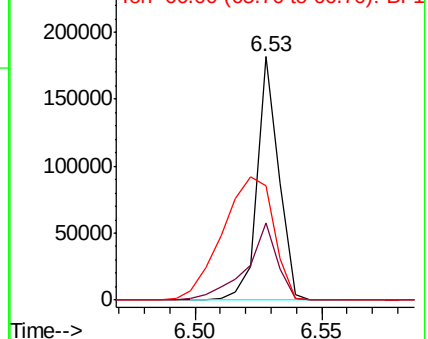
94 100

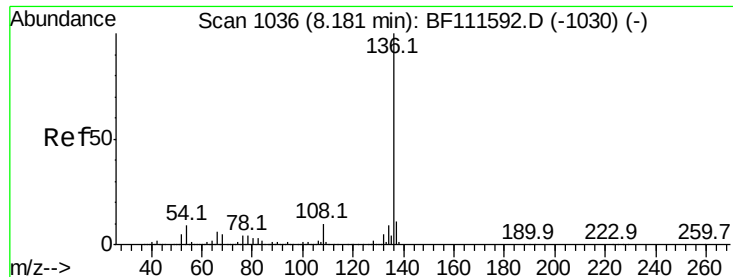
65 31.6 11.7 51.7

66 46.8 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





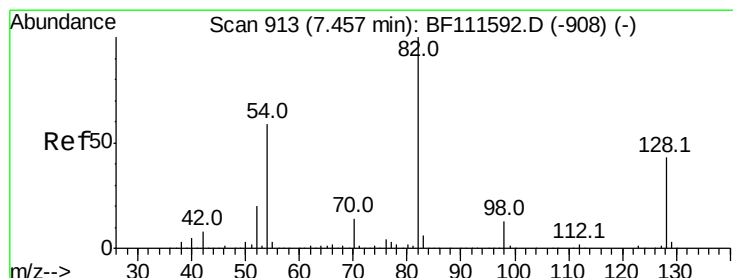
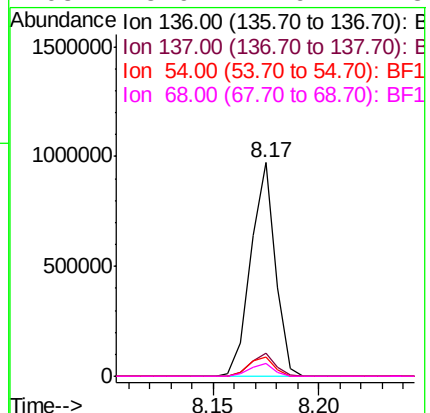
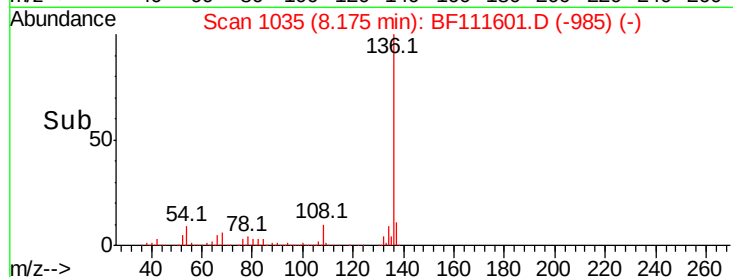
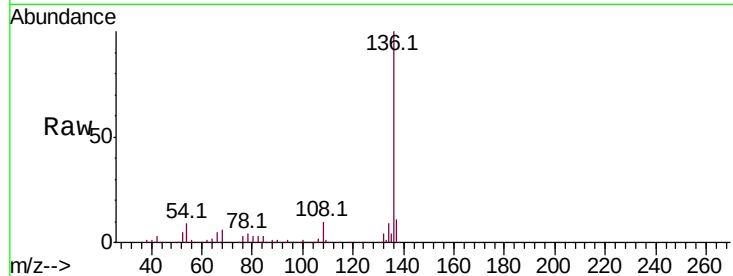
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF111601.D
Acq: 19 Dec 2018 20:20

Instrument :
BNA_F
ClientSampled :
TP-6-B

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	9.1	13.7	
54	9.1	7.7	11.5	
68	5.9	4.9	7.3	

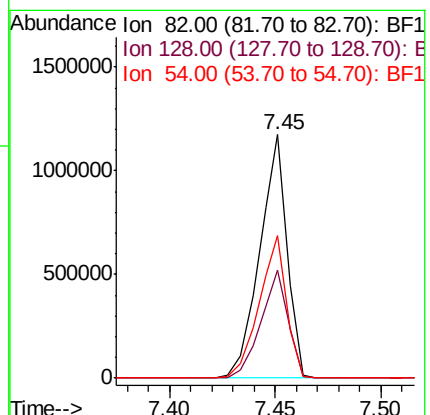
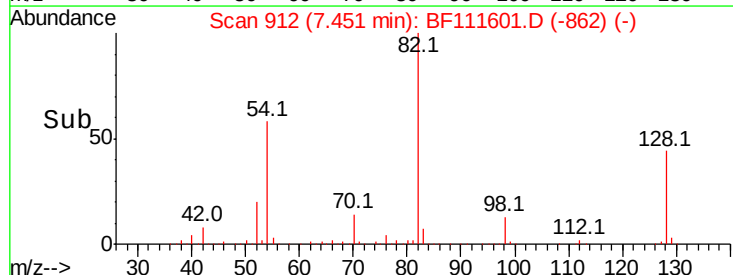
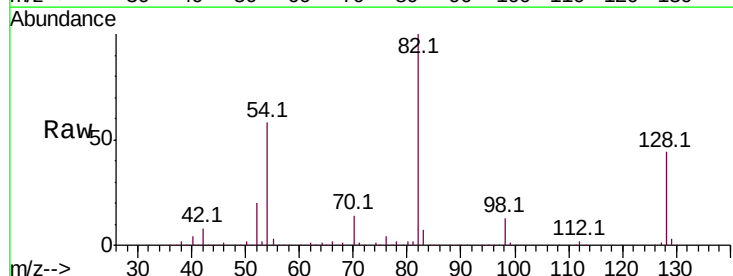
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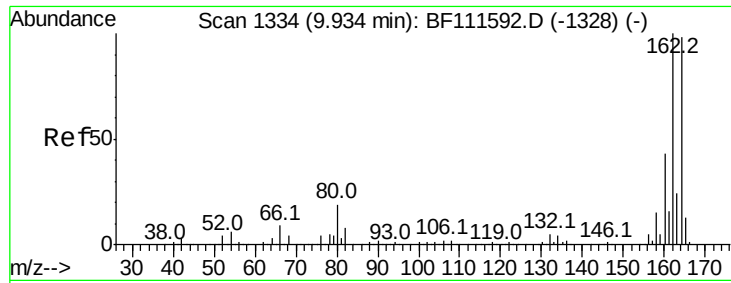
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#23
Nitrobenzene-d5
Concen: 78.165 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF111601.D
Acq: 19 Dec 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.2	37.4	56.2	
54	58.4	47.6	71.4	





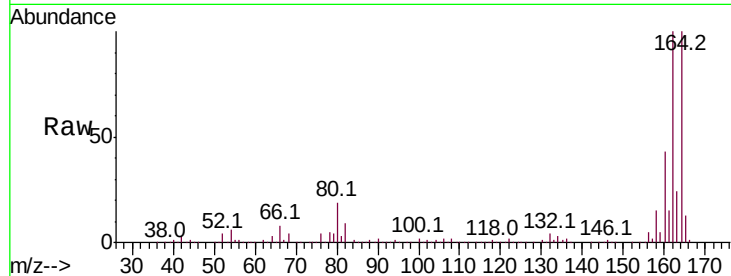
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF111601.D
Acq: 19 Dec 2018 20:20

Instrument :
BNA_F
ClientSampleId :
TP-6-B

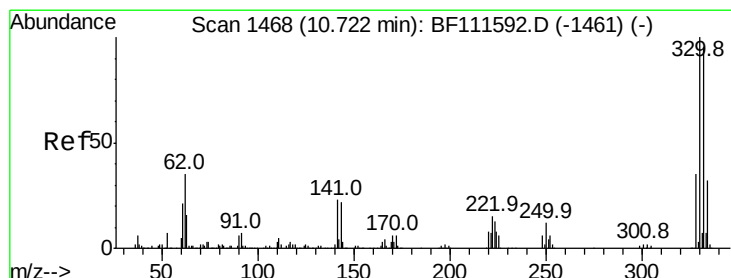
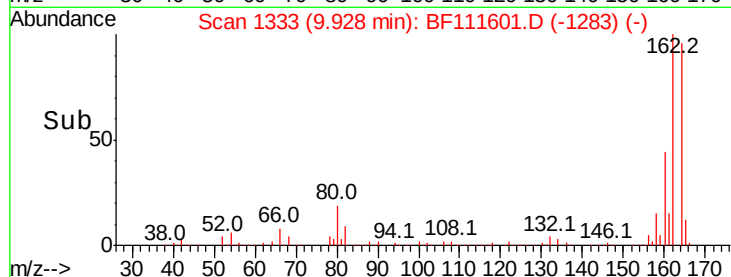
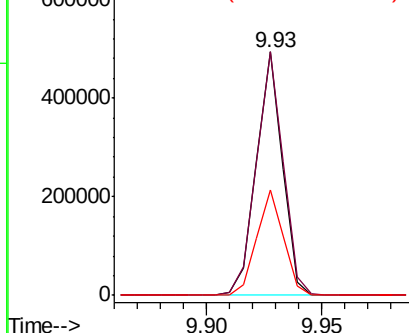
Tot Ion	Ratio	Resp	Lower	Upper
164	100	391152		
162	99.9	81.4	122.0	
160	43.3	35.7	53.5	

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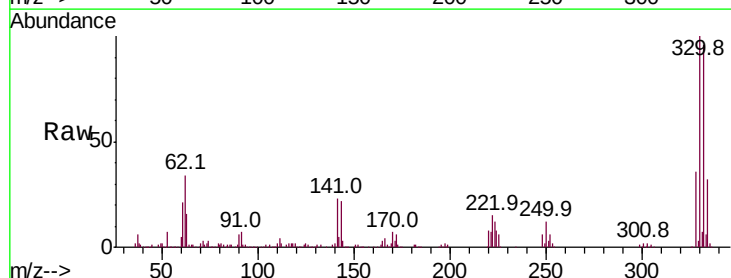


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

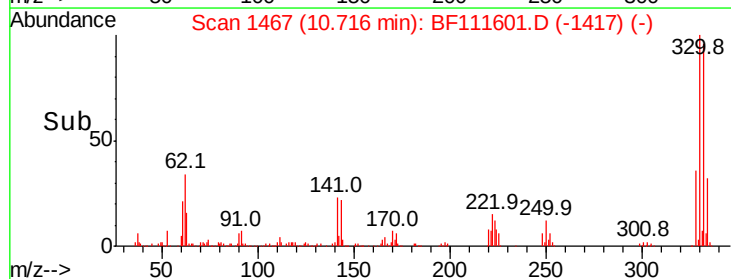
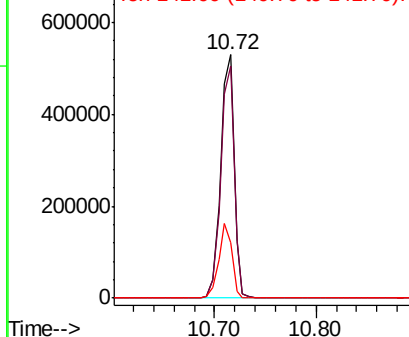


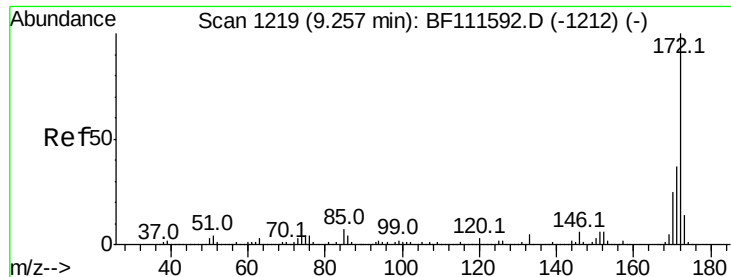
#42
2,4,6-Tribromophenol
Concen: 106.235 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF111601.D
Acq: 19 Dec 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	490994		
332	95.5	76.0	114.0	
141	30.0	31.0	46.6#	



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: 62.483 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF111601.D

Acq: 19 Dec 2018 20:20

Instrument :

BNA_F

ClientSampled :

TP-6-B

Tot Ion:172 Resp: 1676773

Ion Ratio Lower Upper

172 100

171 36.5 33.0 49.4

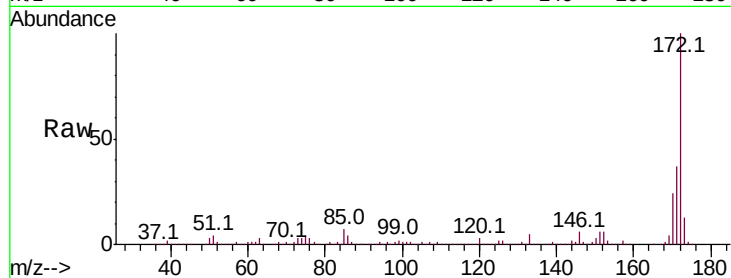
170 24.5 22.3 33.5

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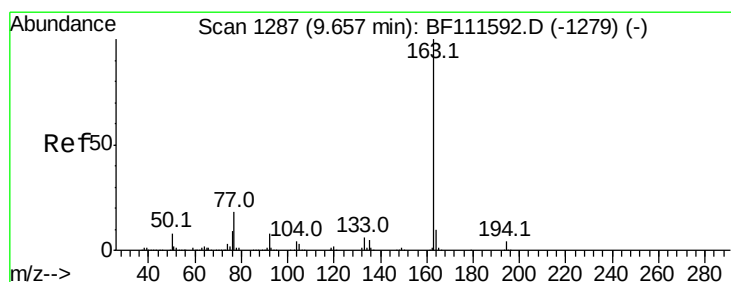
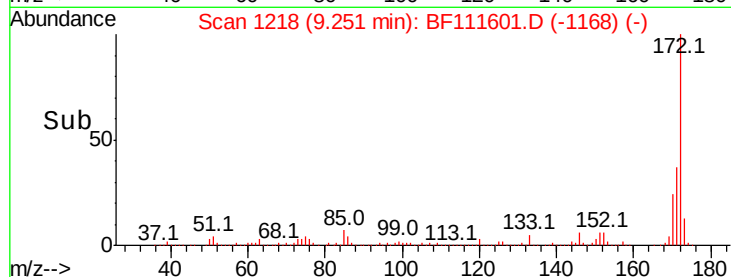
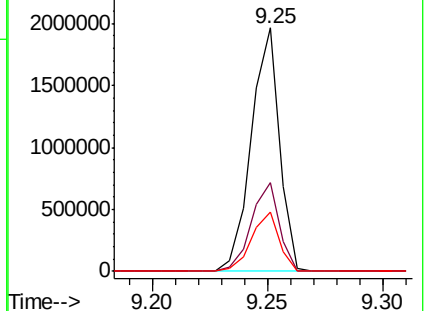
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

Dimethylphthalate

Concen: 7.434 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF111601.D

Acq: 19 Dec 2018 20:20

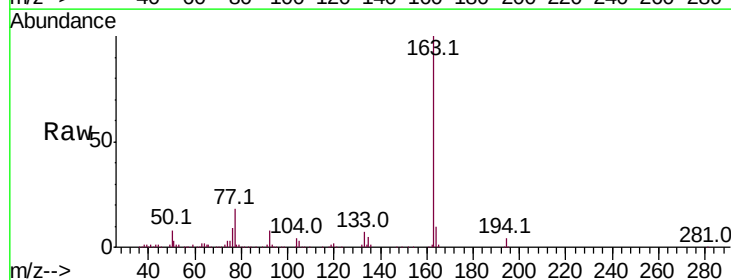
Tgt Ion:163 Resp: 212646

Ion Ratio Lower Upper

163 100

194 4.3 3.0 4.6

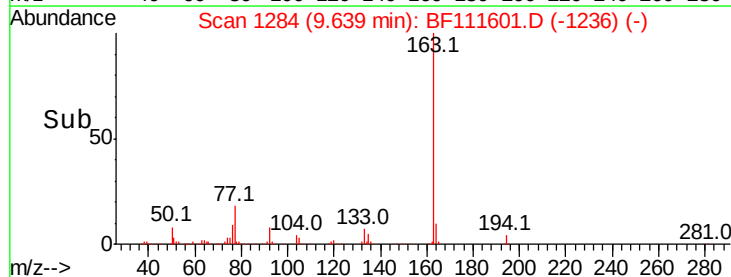
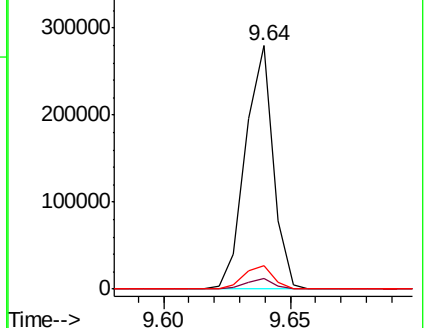
164 9.7 8.9 13.3

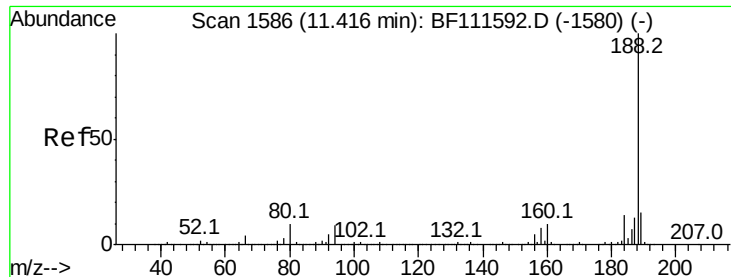


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF111601.D

Acq: 19 Dec 2018 20:20

Instrument :

BNA_F

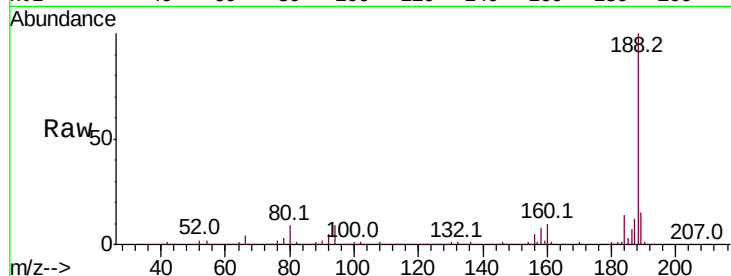
ClientSampleId :

TP-6-B

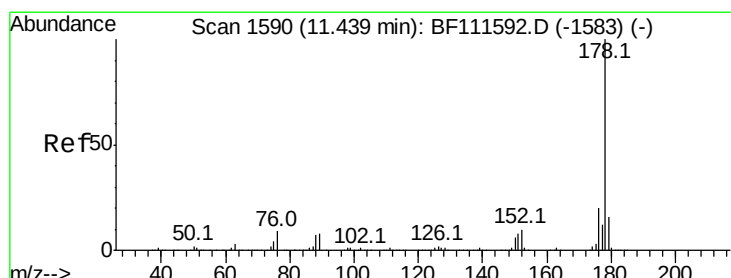
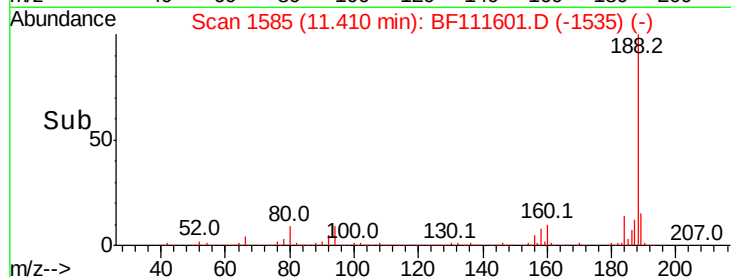
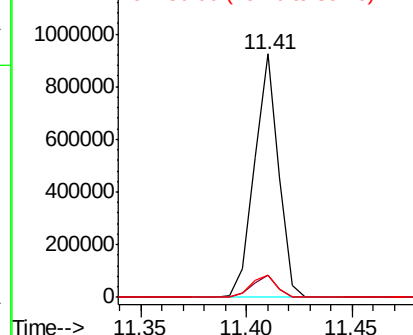
Tot Ion:	188	Resp:	731323
Ion Ratio	Lower	Upper	
188	100		
94	9.0	9.6	14.4#
80	9.3	9.8	14.6#

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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: 4.380 ng

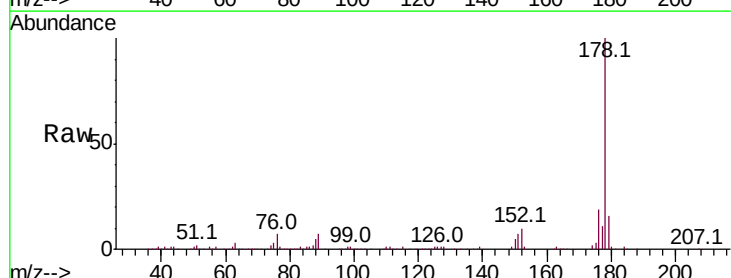
RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

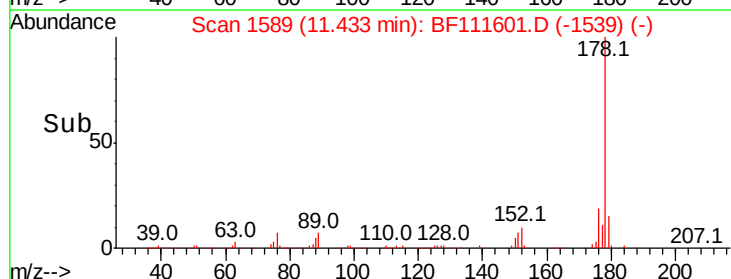
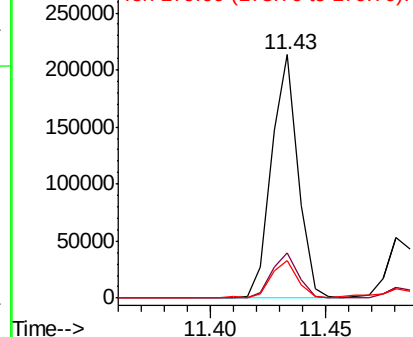
Lab File: BF111601.D

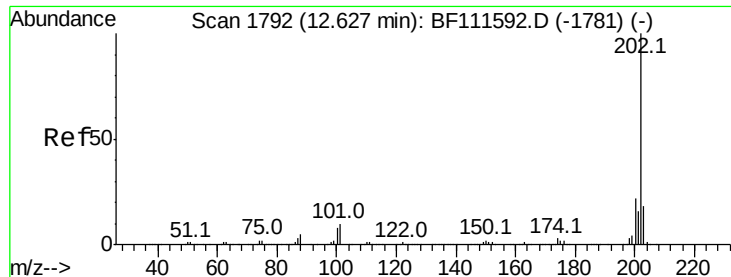
Acq: 19 Dec 2018 20:20

Tgt Ion:	178	Resp:	169895
Ion Ratio	Lower	Upper	
178	100		
176	18.8	18.1	27.1
179	15.6	14.0	21.0



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: 7.542 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF111601.D

Acq: 19 Dec 2018 20:20

Instrument :

BNA_F

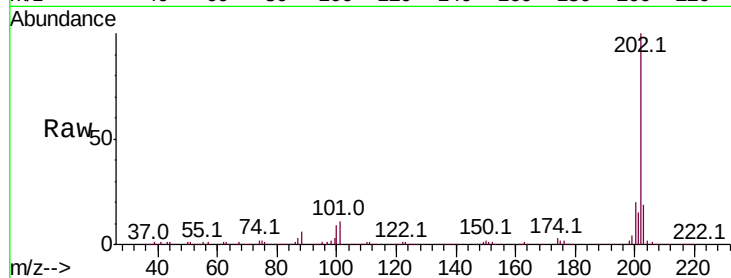
ClientSampleId :

TP-6-B

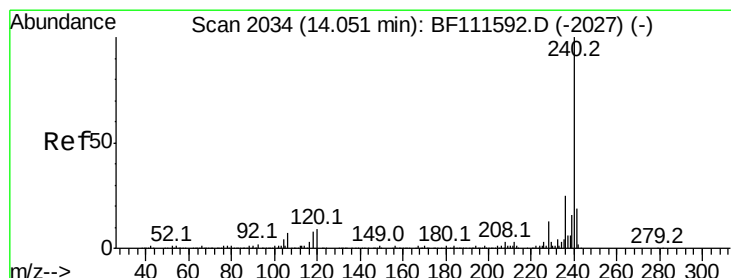
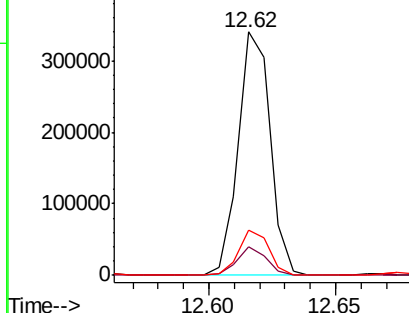
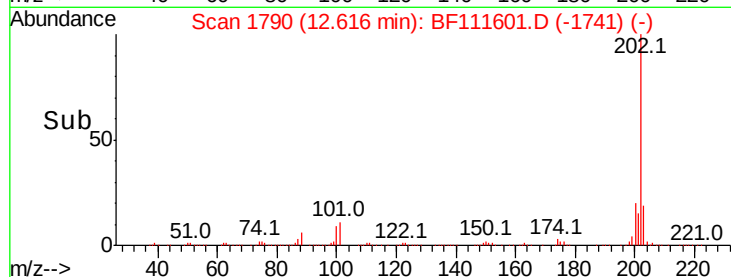
Tot Ion	Ratio	Resp	Lower	Upper
202	100	296194		
101	11.5	0.0	33.8	
203	18.6	0.0	38.6	

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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

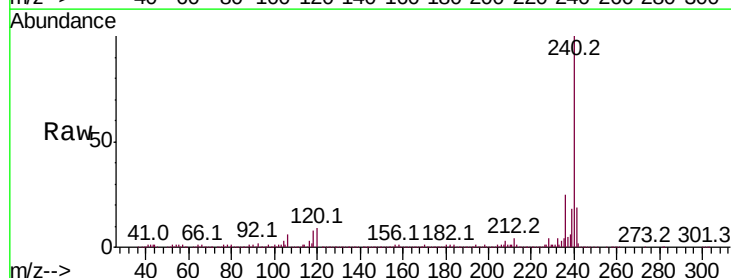
RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

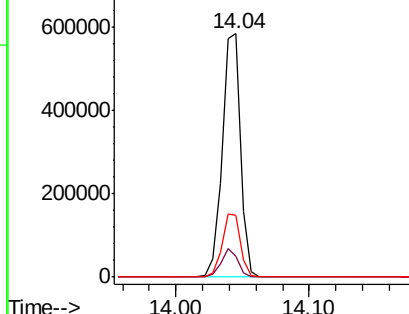
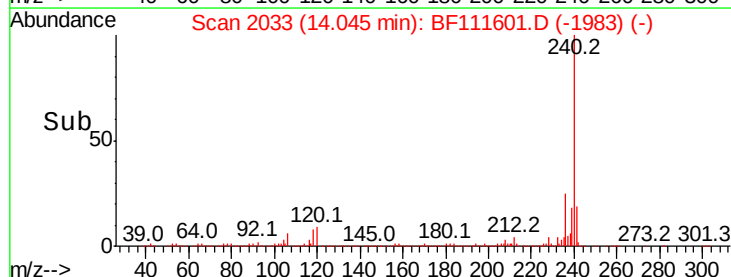
Lab File: BF111601.D

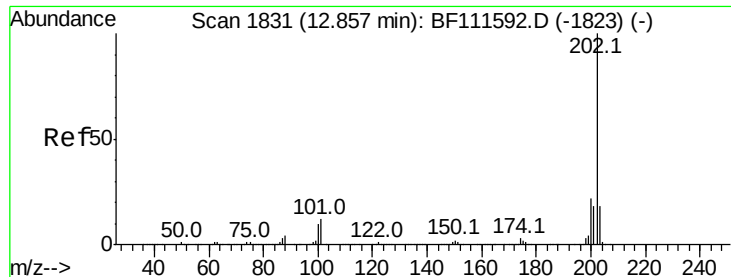
Acq: 19 Dec 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	566865		
120	8.7	12.2	18.2#	
236	25.5	20.2	30.2	



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





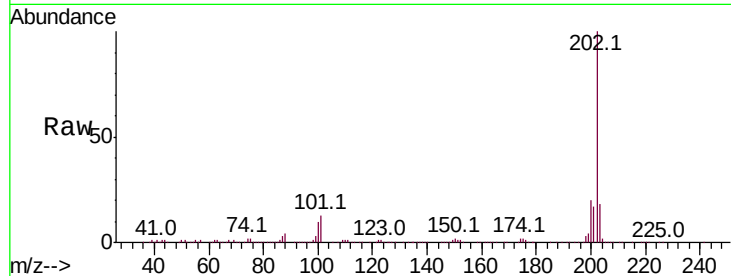
#78
Pvrene
Concen: 7.820 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF111601.D
Acq: 19 Dec 2018 20:20

Instrument :
BNA_F
ClientSampleId :
TP-6-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.2	19.0	28.4
203	17.7	15.2	22.8

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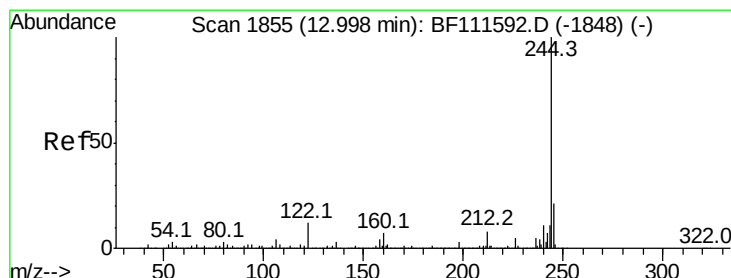
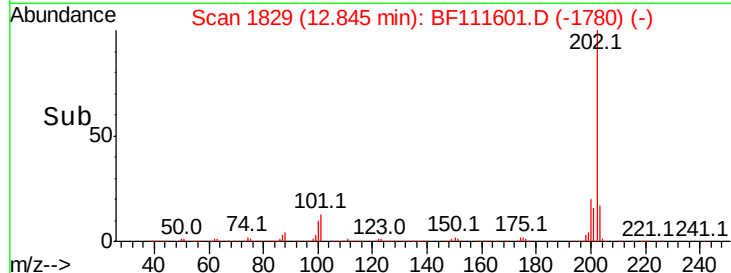
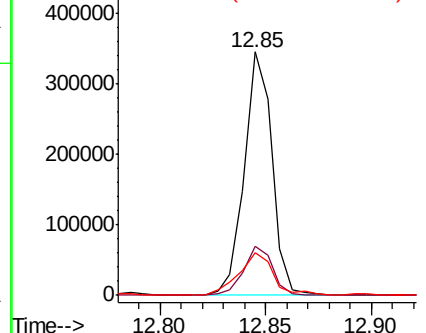


Abundance

Ion 202.00 (201.70 to 202.70): E

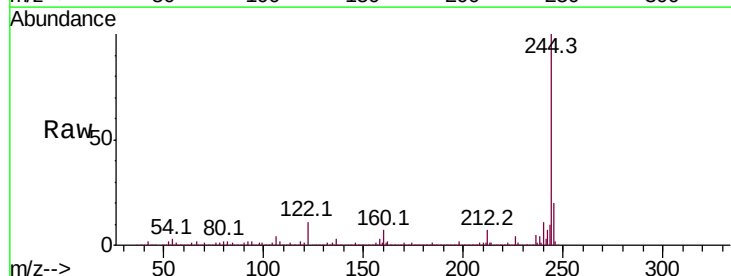
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 55.427 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF111601.D
Acq: 19 Dec 2018 20:20

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.7	8.5
122	11.5	13.1	19.7#

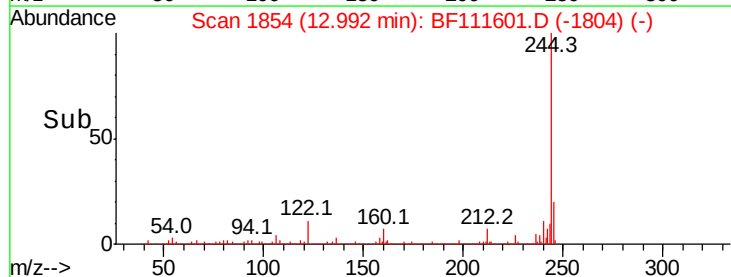
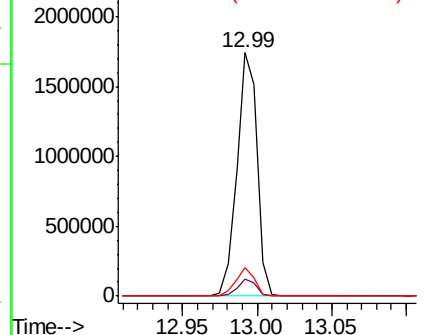


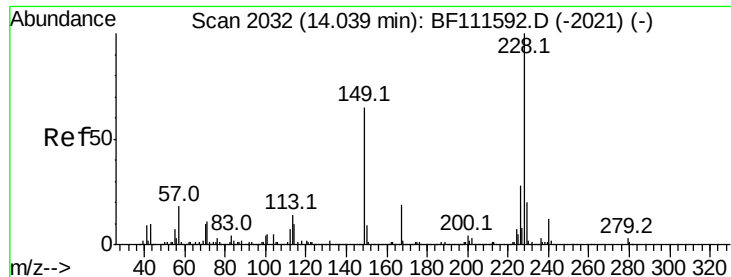
Abundance

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





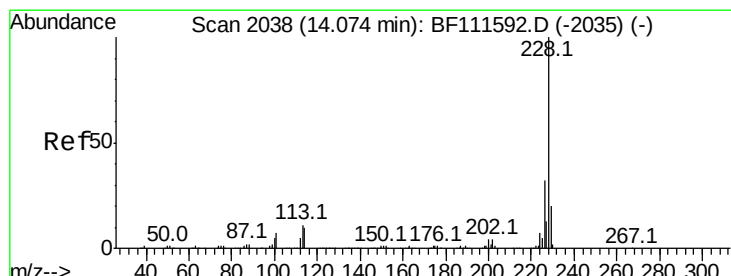
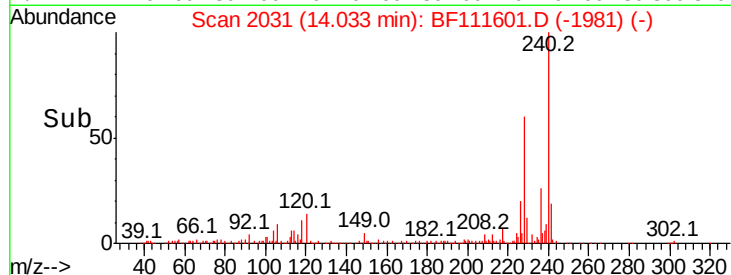
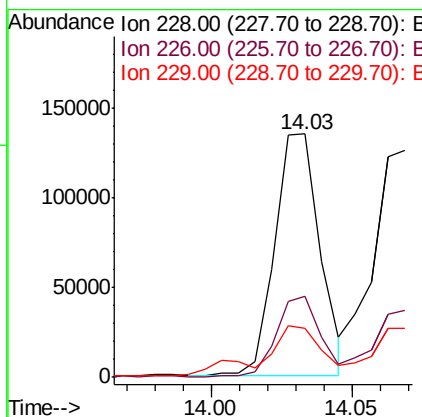
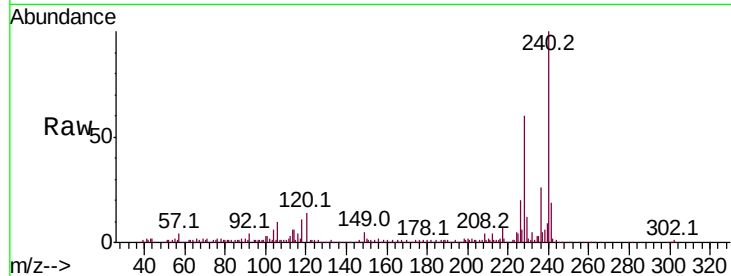
#81
Benzo(a)anthracene
Concen: 4.617 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF111601.D
Acq: 19 Dec 2018 20:20

Instrument :
BNA_F
ClientSampleId :
TP-6-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.1	22.6	34.0
229	20.4	16.3	24.5

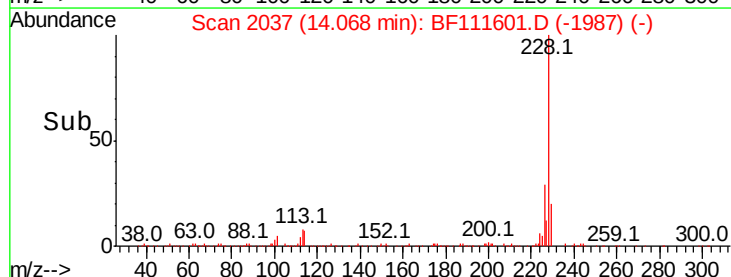
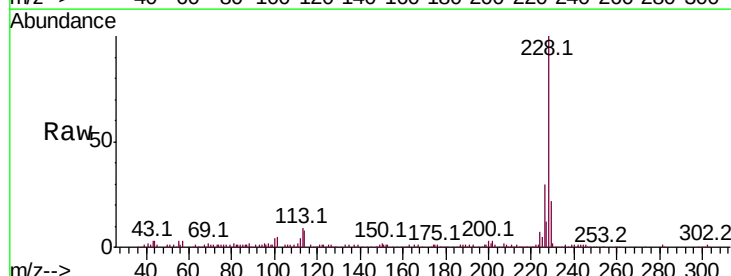
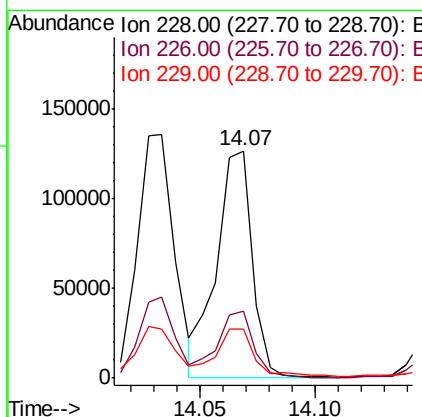
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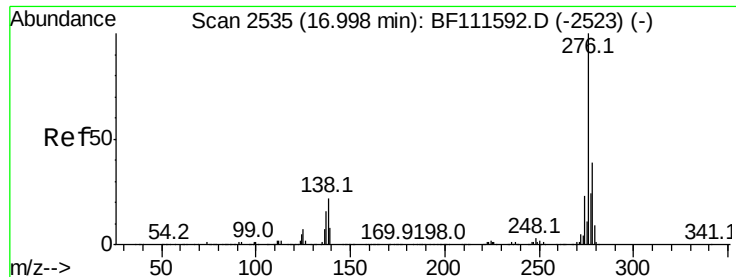
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#83
Chrysene
Concen: 4.245 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF111601.D
Acq: 19 Dec 2018 20:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.3	37.9
229	21.7	17.2	25.8





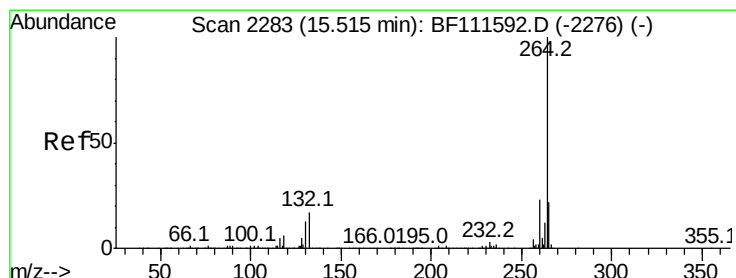
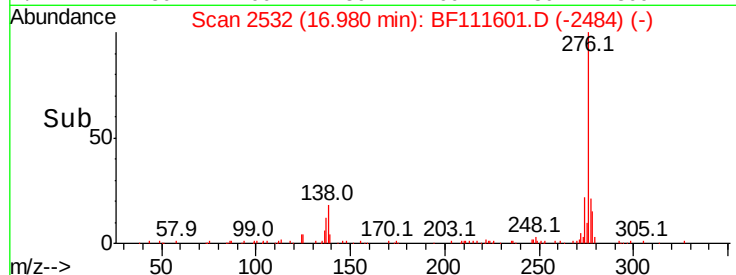
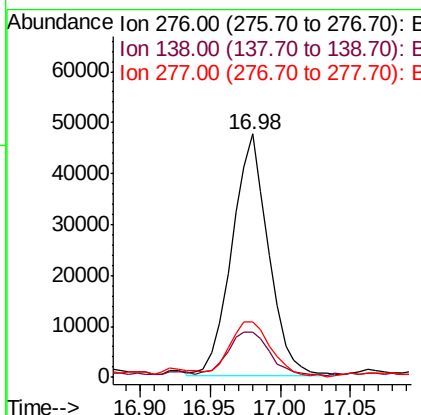
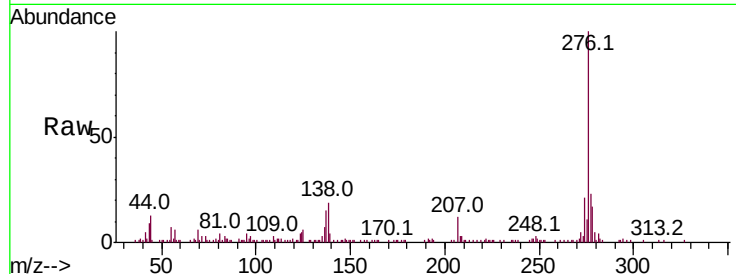
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.163 ng/ml
RT: 16.98 min Scan# 2532
Delta R.T. -0.02 min
Lab File: BF111601.D
Acq: 19 Dec 2018 20:20

Instrument :
BNA_F
ClientSampleId :
TP-6-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.5	27.8	41.6#
277	4.7	20.1	30.1#

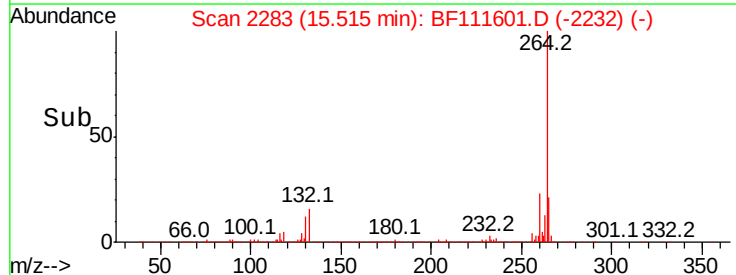
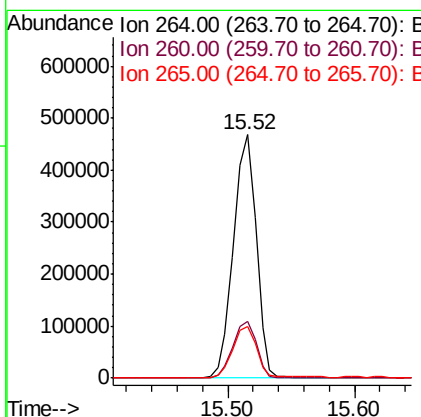
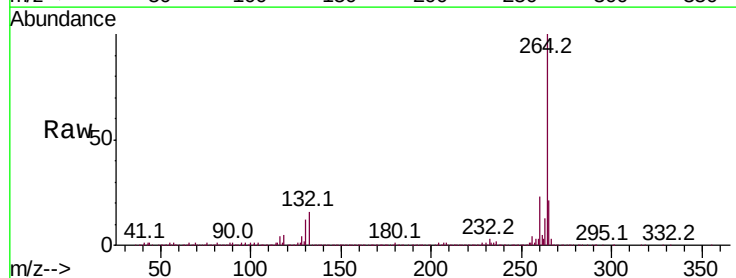
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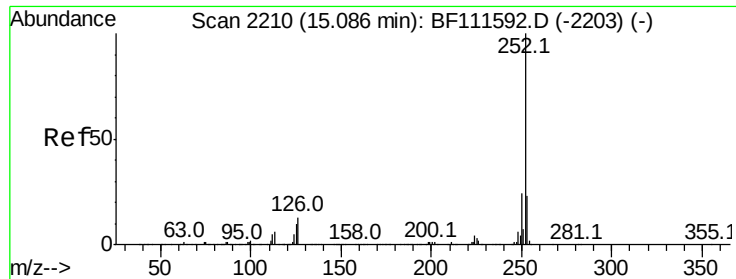
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF111601.D
Acq: 19 Dec 2018 20:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.3	27.5
265	21.4	17.7	26.5





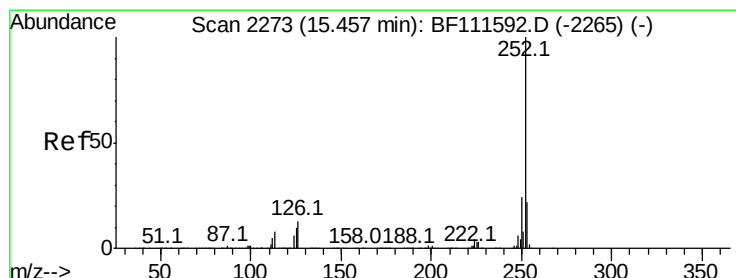
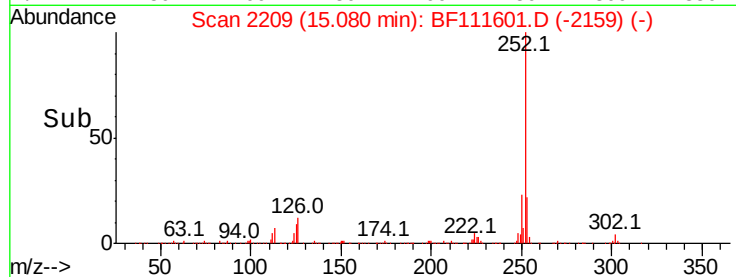
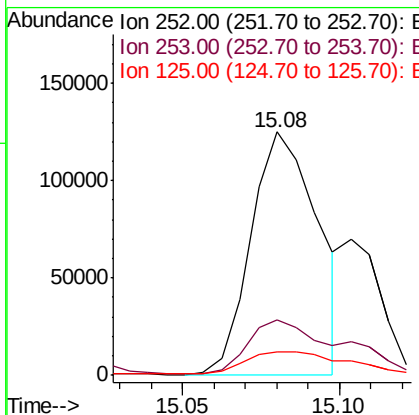
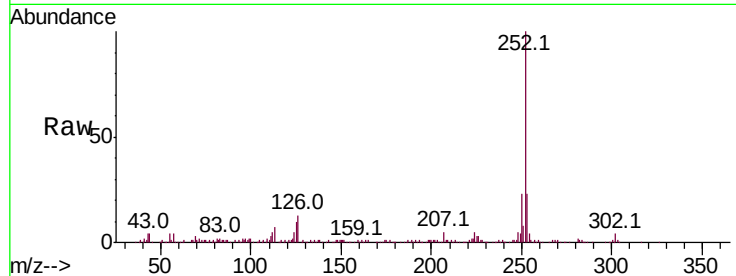
#88
Benzo(b)fluoranthene
Concen: 5.498 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF111601.D
Acq: 19 Dec 2018 20:20

Instrument :
BNA_F
ClientSampleId :
TP-6-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	9.9	10.4	15.6

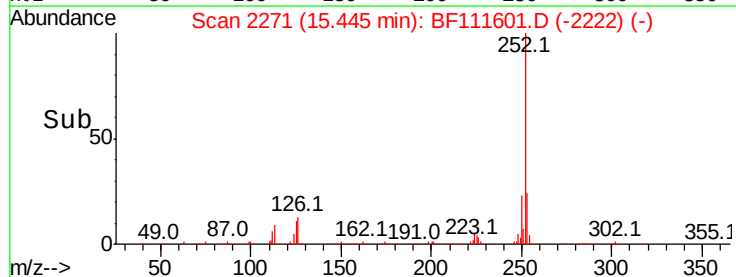
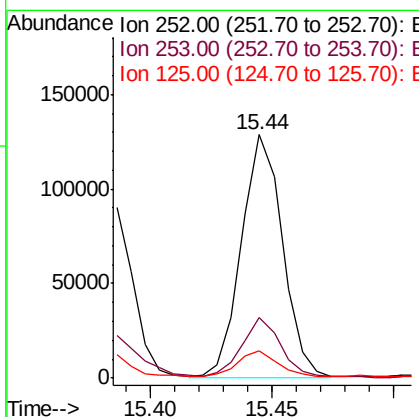
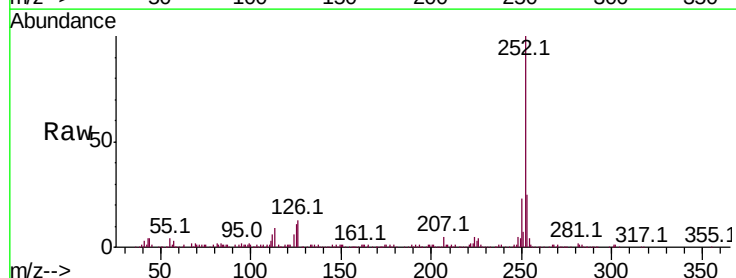
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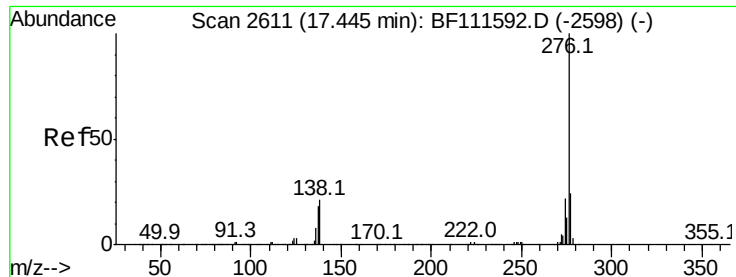
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#90
Benzo(a)pyrene
Concen: 4.897 ng m
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF111601.D
Acq: 19 Dec 2018 20:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.8
125	11.4	12.3	18.5





#92
 Benzo(a,h,i)perylene
 Concen: 3.260 ng/ml
 RT: 17.42 min Scan# 2607
 Delta R.T. -0.02 min
 Lab File: BF111601.D
 Acq: 19 Dec 2018 20:20

Instrument :
 BNA_F
 ClientSampleID :
 TP-6-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.2	28.8
138	17.7	24.9	37.3

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