

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
 Data File : BF111615.D
 Acq On : 20 Dec 2018 2:47
 Operator : JU/SJ
 Sample : J6465-06 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EB08_1.5-3.5

Manual Integrations
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Sohil
 12/20/2018 12:42:39 PM

Quant Time: Dec 20 04:44:11 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	6.90	152	198648	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	717349	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	325456	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	547979	20.00	ng	0.00
76) Chrysene-d12	14.04	240	483394	20.00	ng	0.00
87) Perylene-d12	15.52	264	334931	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	228796	19.63	ng	-0.01
7) Phenol-d6	6.51	99	296560	20.00	ng	-0.01
23) Nitrobenzene-d5	7.45	82	157219	12.76	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	63646	16.55	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	337890	15.13	ng	0.00
79) Terphenyl-d14	12.99	244	333538	13.09	ng	0.00
Target Compounds						
71) Phenanthrene	11.44	178	209116m	7.196	ng	Qvalue
72) Anthracene	11.49	178	62594	2.146	ng	96
75) Fluoranthene	12.62	202	367588	12.491	ng	95
78) Pyrene	12.85	202	313656	9.188	ng	97
81) Benzo(a)anthracene	14.04	228	152483	5.527	ng	98
83) Chrysene	14.07	228	144409	5.326	ng	98
86) Indeno(1,2,3-cd)pyrene	17.00	276	74724	3.242	ng	# 86
88) Benzo(b)fluoranthene	15.09	252	177551m	9.070	ng	
89) Benzo(k)fluoranthene	15.12	252	46067m	2.472	ng	
90) Benzo(a)pyrene	15.46	252	117944	6.632	ng	96
92) Benzo(g,h,i)perylene	17.44	276	74837	4.921	ng	# 88

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

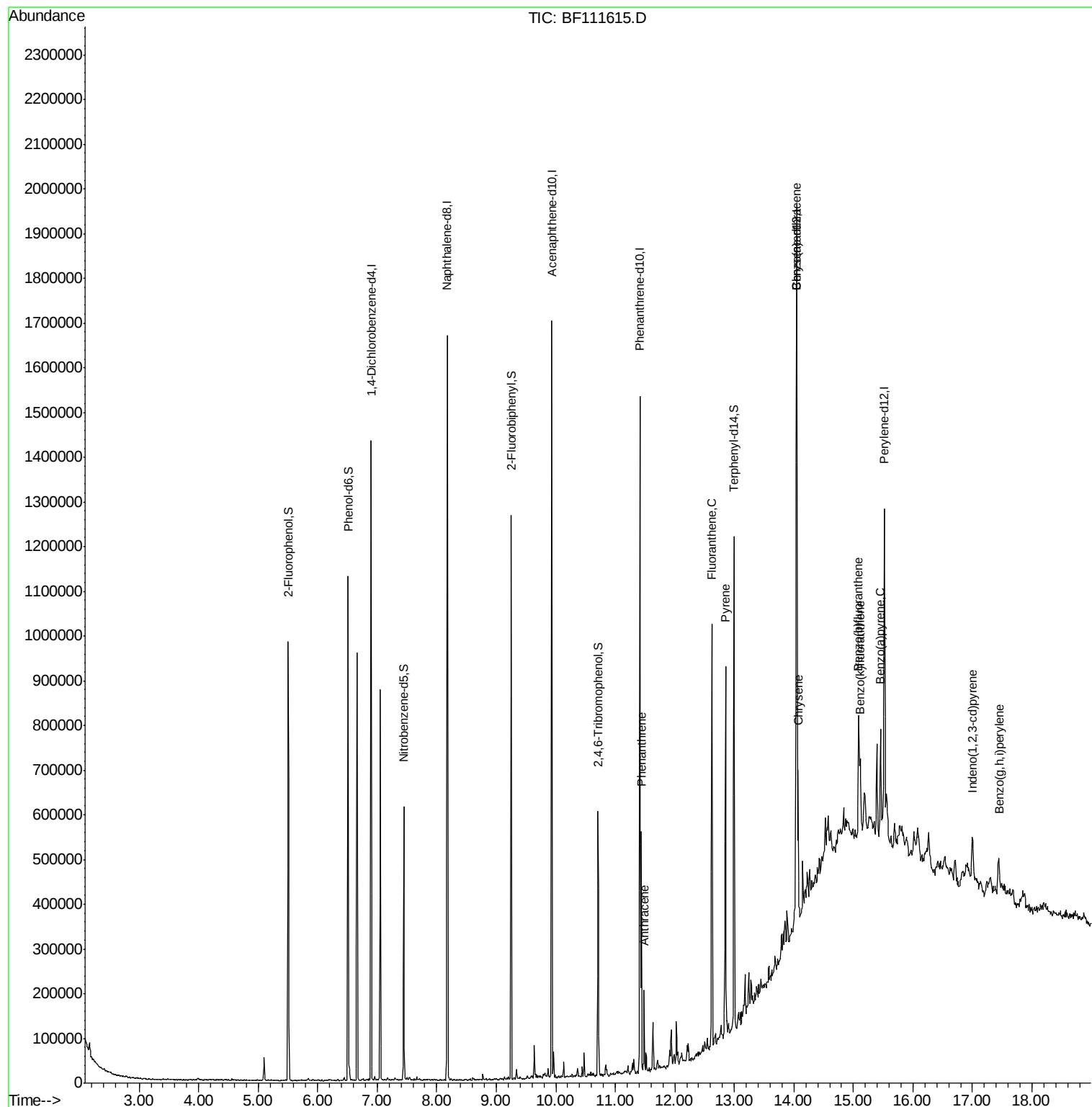
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
Data File : BF111615.D
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Sample : J6465-06 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

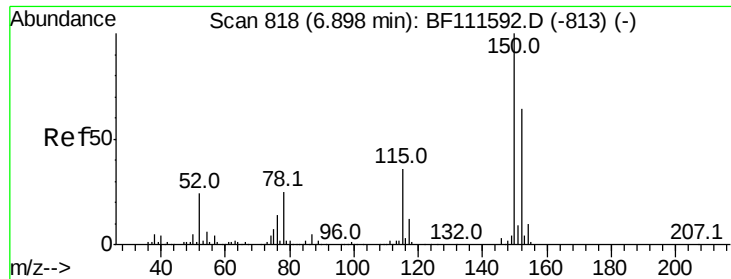
Instrument :
BNA_F
ClientSampleId :
EB08_1.5-3.5

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Quant Time: Dec 20 04:44:11 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

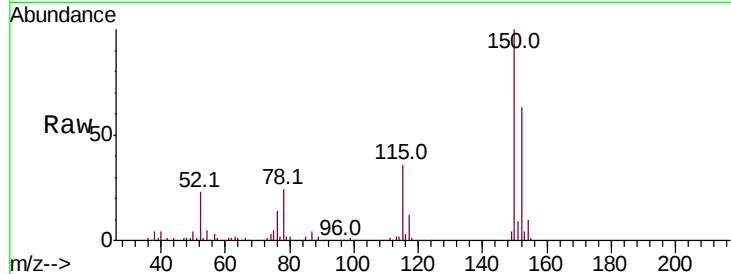
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111615.D
Acq: 20 Dec 2018 2:47

Instrument :
BNA_F
ClientSampleId :
EB08_1.5-3.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	126.6	189.8
115	57.9	50.7	76.1

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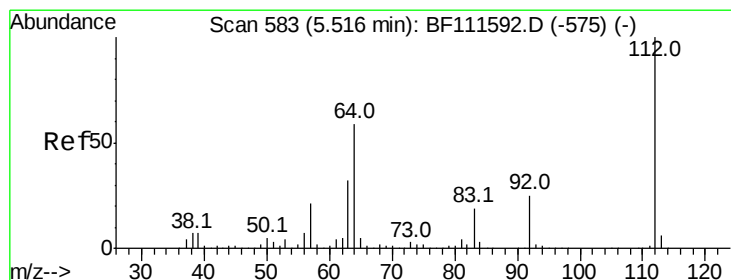
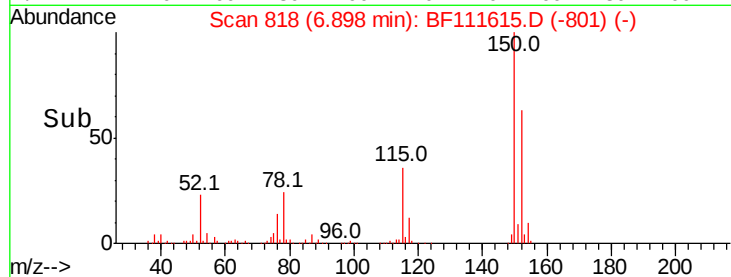
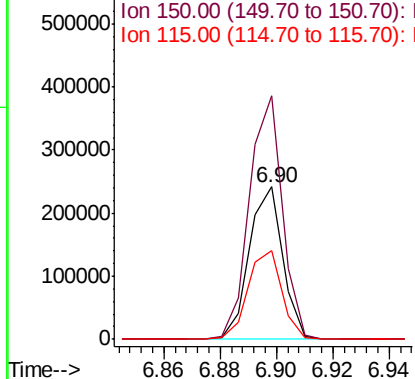


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

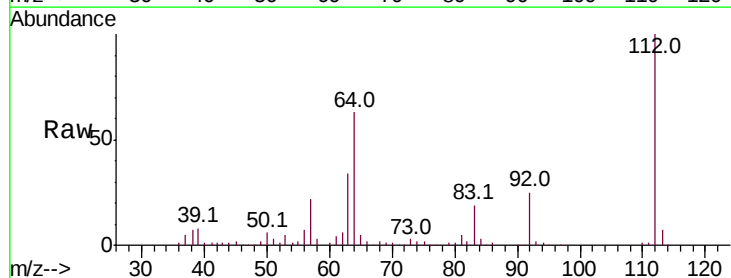
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 19.632 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.01 min
Lab File: BF111615.D
Acq: 20 Dec 2018 2:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	51.8	77.6
63	33.9	26.8	40.2

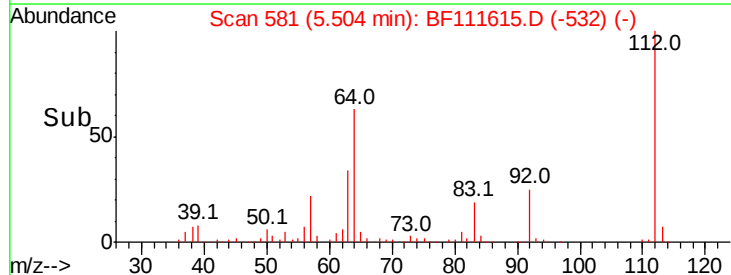
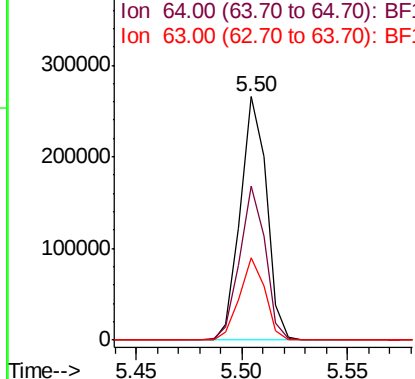


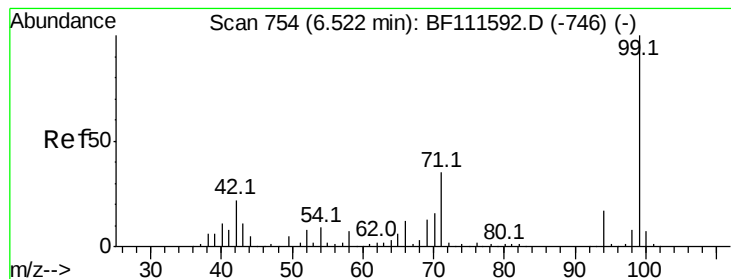
Abundance

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: 19.995 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF111615.D

Acq: 20 Dec 2018 2:47

Instrument :

BNA_F

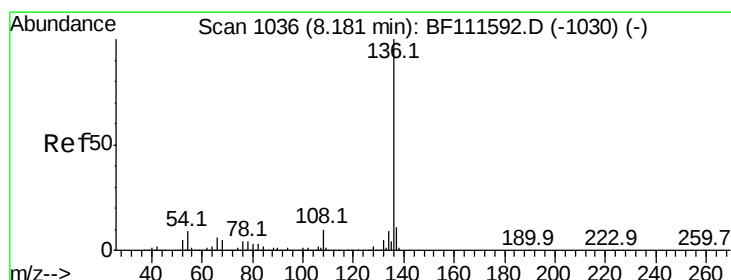
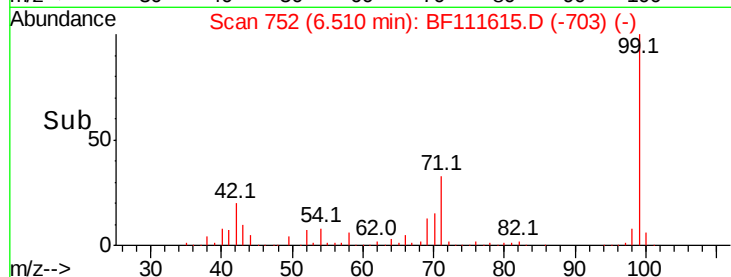
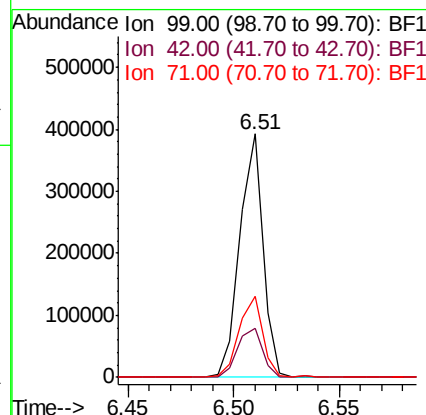
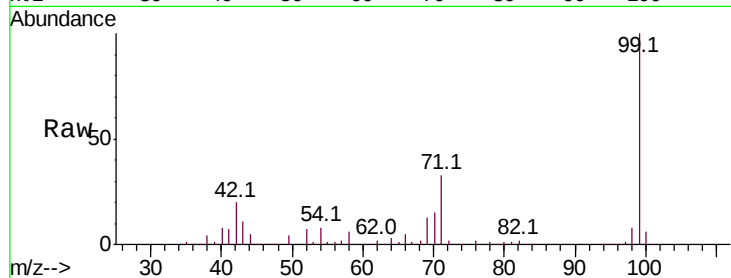
ClientSampled :

EB08_1.5-3.5

Tot Ion	99	Resp	296560
Ion Ratio	Lower	Upper	
99	100		
42	20.4	17.4	26.0
71	33.3	26.1	39.1

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#21

Naphthalene-d8

Concen: 20.000 ng

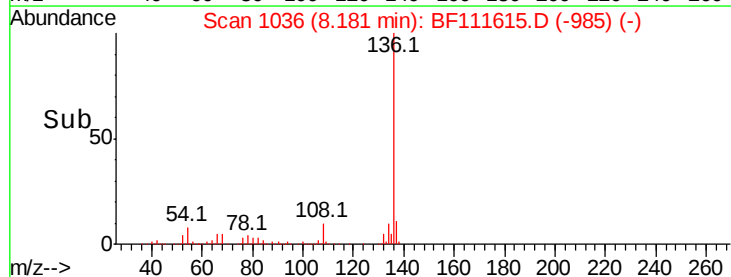
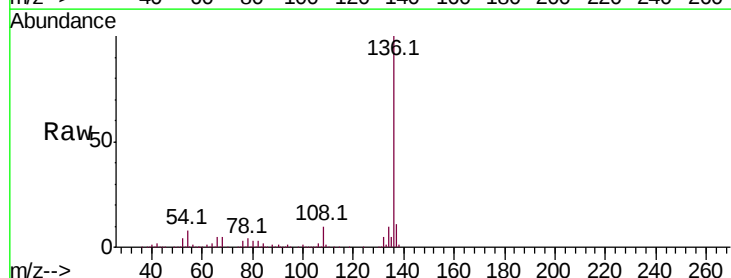
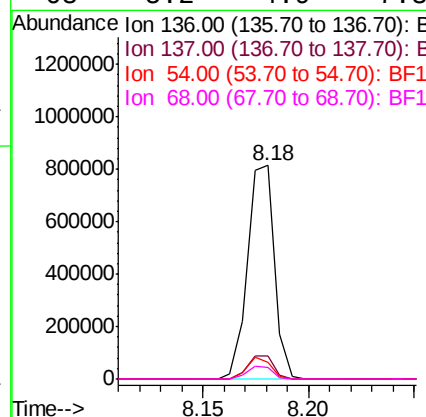
RT: 8.18 min Scan# 1036

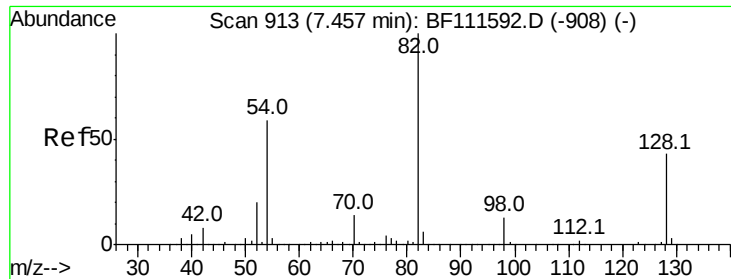
Delta R.T. -0.00 min

Lab File: BF111615.D

Acq: 20 Dec 2018 2:47

Tgt Ion	136	Resp	717349
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.1	13.7
54	8.0	7.7	11.5
68	5.2	4.9	7.3





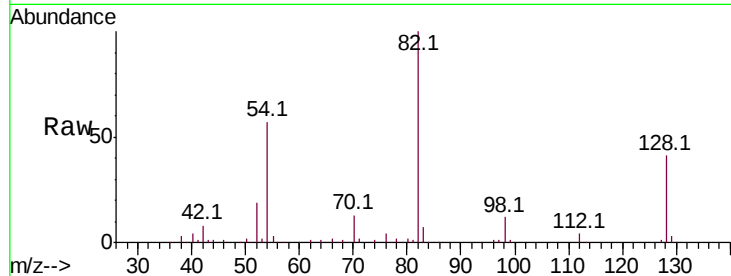
#23
Nitrobenzene-d5
Concen: 12.757 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF111615.D
Acq: 20 Dec 2018 2:47

Instrument :
BNA_F
ClientSampleId :
EB08_1.5-3.5

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.2	37.4	56.2
54	56.9	47.6	71.4

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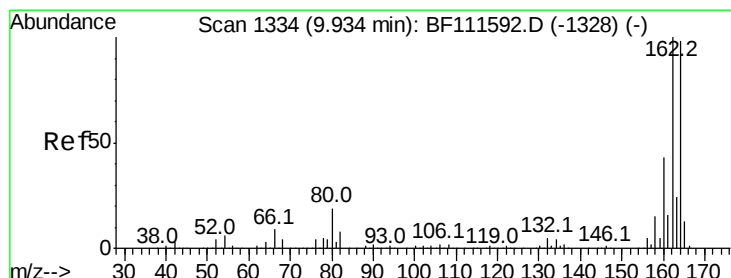
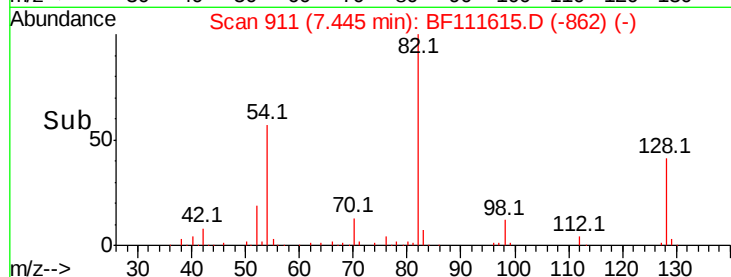
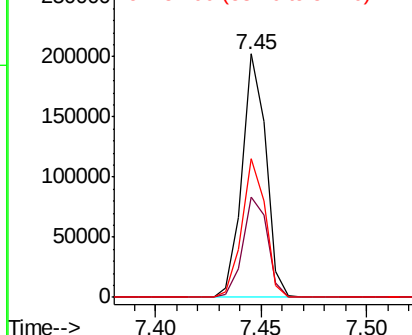


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF111615.D
Acq: 20 Dec 2018 2:47

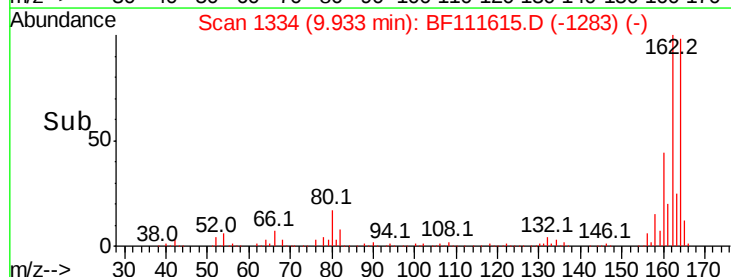
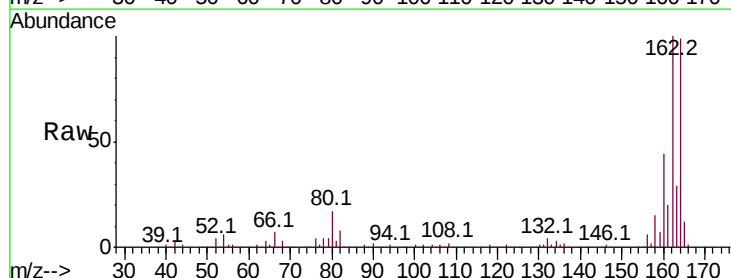
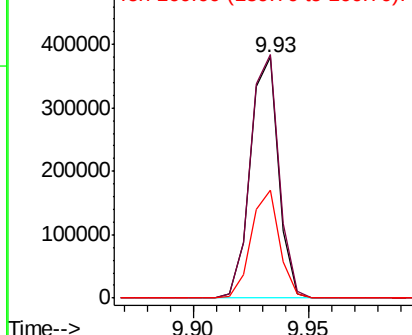
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.4	122.0
160	44.8	35.7	53.5

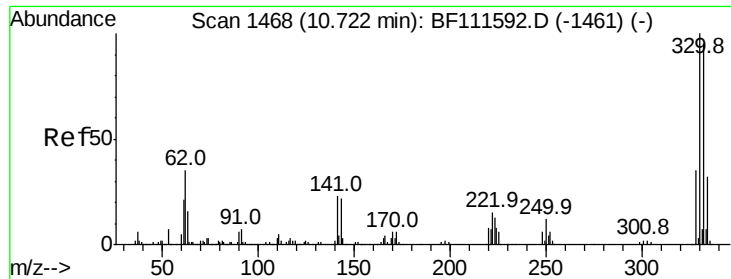
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





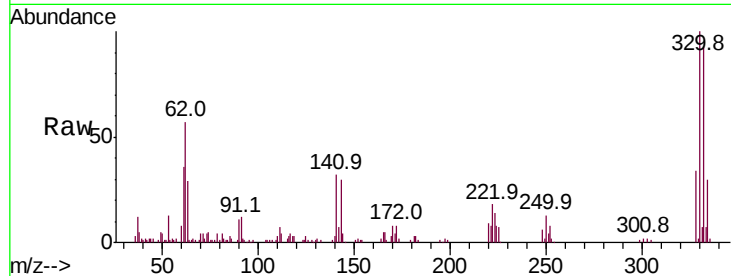
#42
 2,4,6-Tribromophenol
 Concen: 16.551 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF111615.D
 Acq: 20 Dec 2018 2:47

Instrument :
 BNA_F
 ClientSampled :
 EB08_1.5-3.5

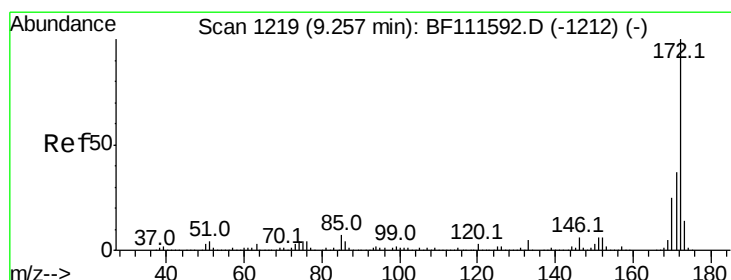
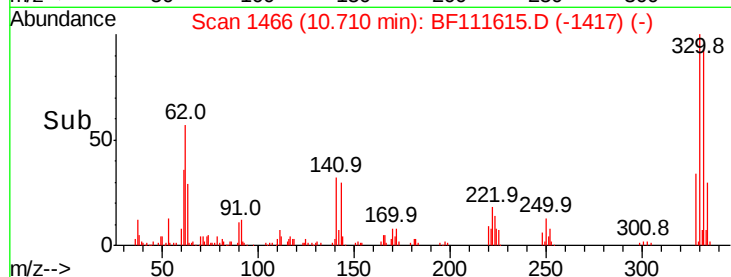
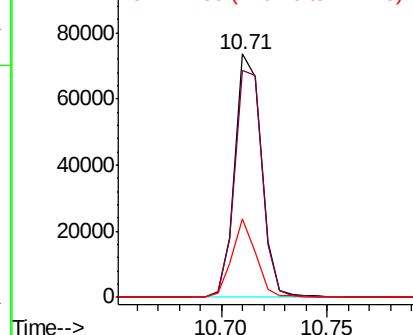
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.0	114.0
141	29.1	31.0	46.6#

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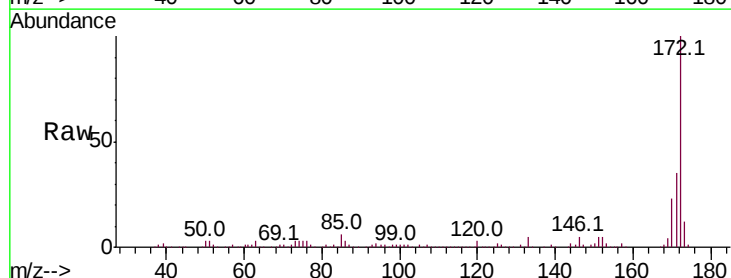


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

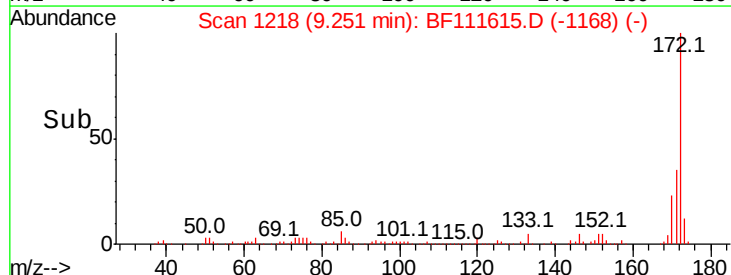
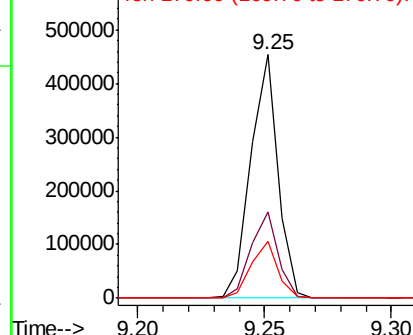


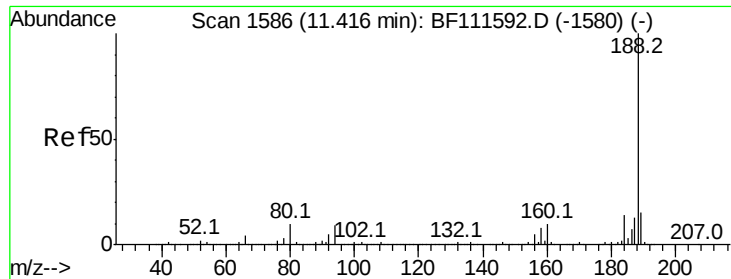
#45
 2-Fluorobiphenyl
 Concen: 15.133 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF111615.D
 Acq: 20 Dec 2018 2:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	33.0	49.4
170	23.2	22.3	33.5



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





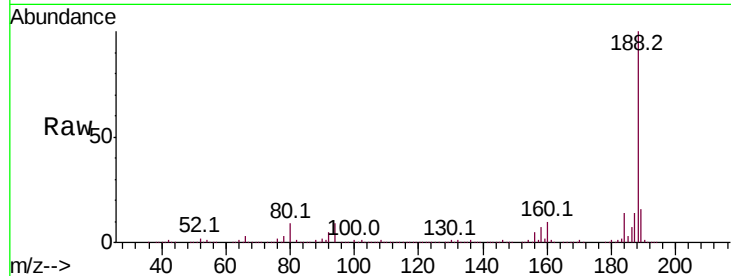
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF111615.D
Acq: 20 Dec 2018 2:47

Instrument :
BNA_F
ClientSampleId :
EB08_1.5-3.5

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.8	9.6	14.4#
80	8.9	9.8	14.6#

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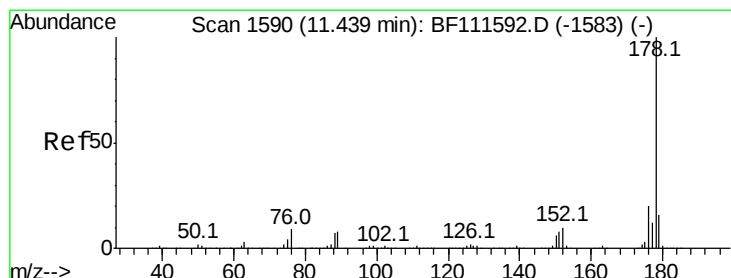
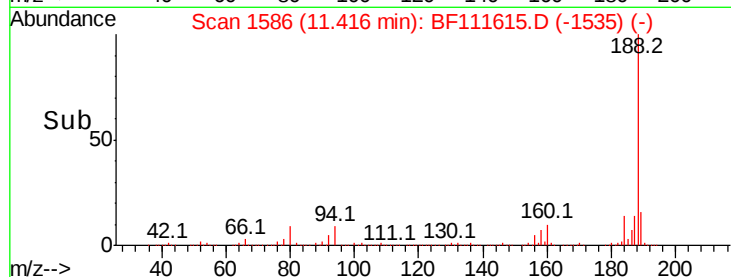
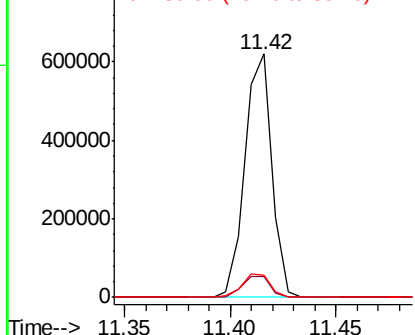


Abundance

Ion 188.00 (187.70 to 188.70): E

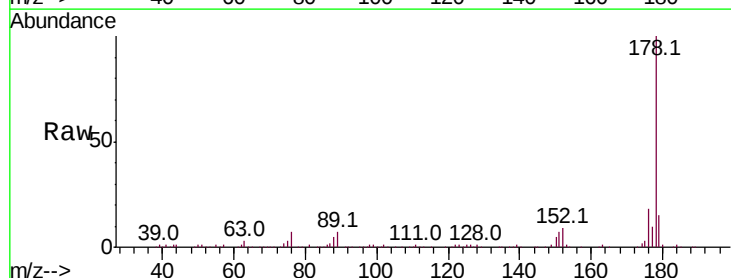
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71
Phenanthrene
Concen: 7.196 ng m
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF111615.D
Acq: 20 Dec 2018 2:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	17.9	18.1	27.1#
179	15.1	14.0	21.0

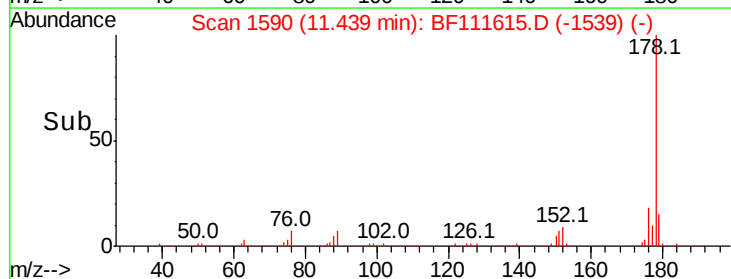
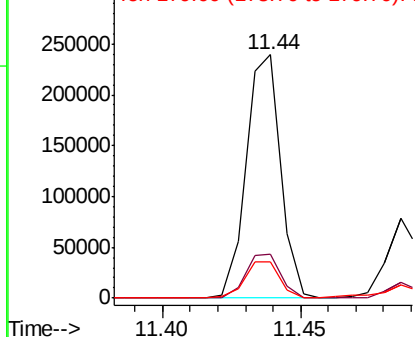


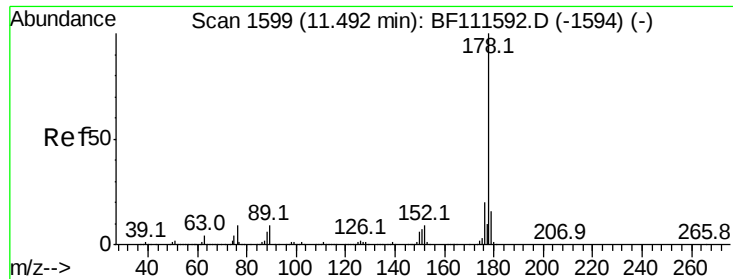
Abundance

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





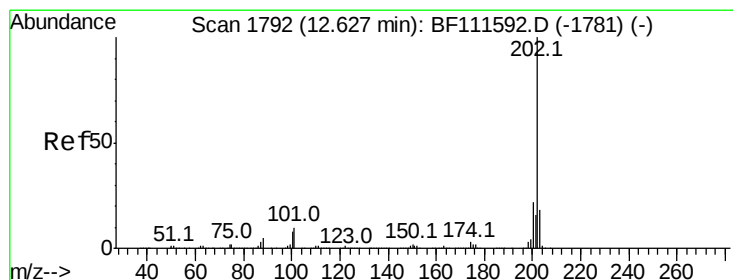
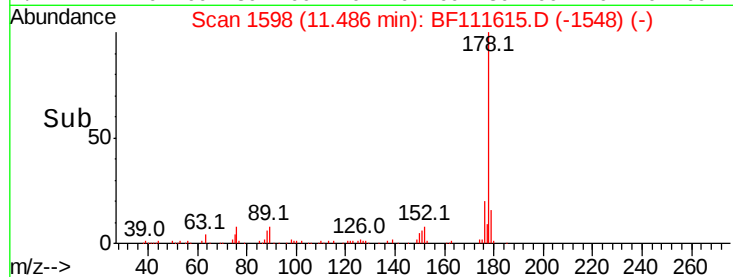
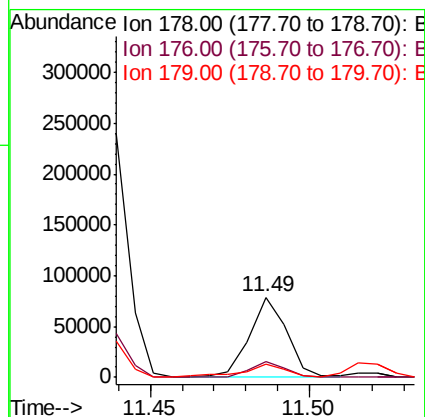
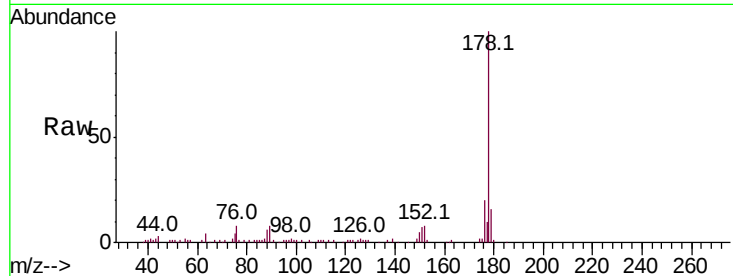
#72
 Anthracene
 Concen: 2.146 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF111615.D
 Acq: 20 Dec 2018 2:47

Instrument :
 BNA_F
 ClientSampleId :
 EB08_1.5-3.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	17.2	25.8
179	16.0	13.8	20.8

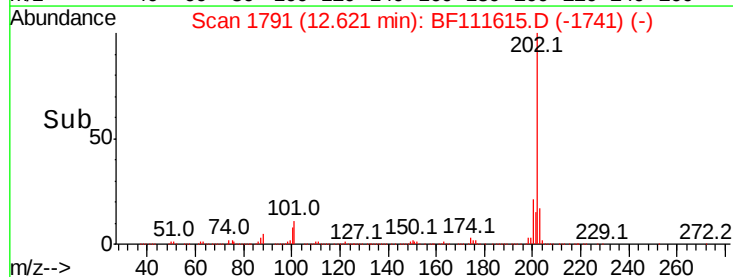
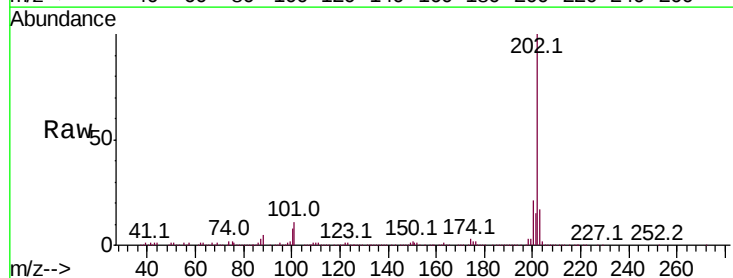
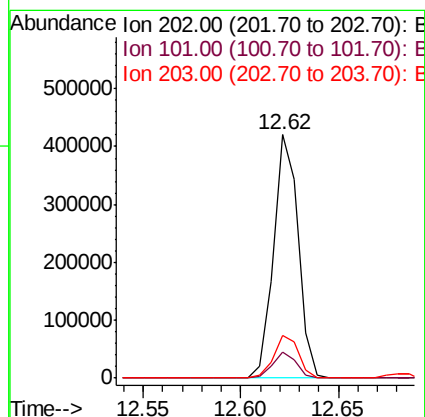
Manual Integrations
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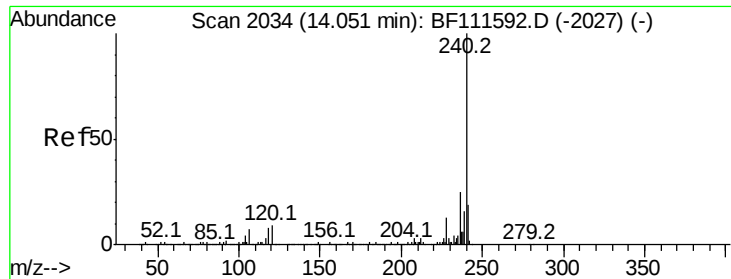
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#75
 Fluoranthene
 Concen: 12.491 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: BF111615.D
 Acq: 20 Dec 2018 2:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	33.8
203	17.4	0.0	38.6





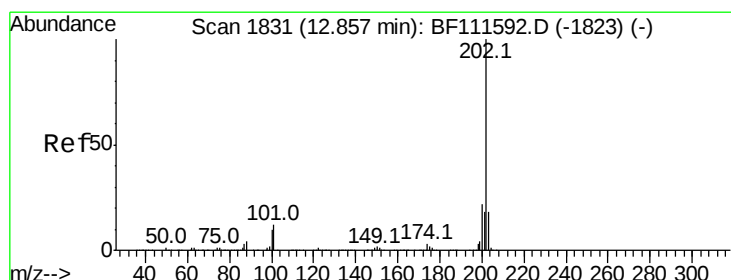
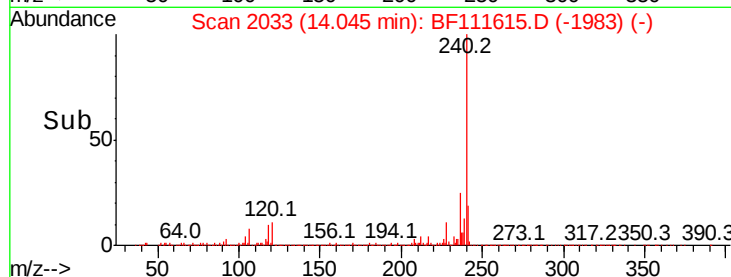
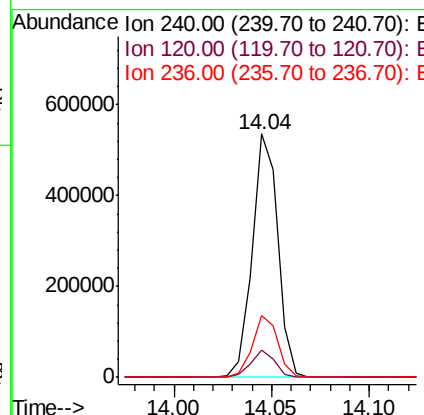
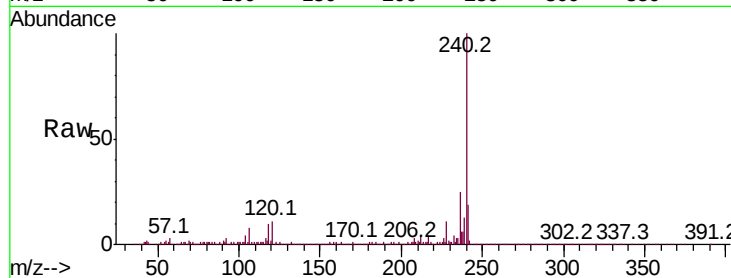
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF111615.D
Acq: 20 Dec 2018 2:47

Instrument :
BNA_F
ClientSampleId :
EB08_1.5-3.5

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.0	12.2	18.2	#
236	25.4	20.2	30.2	

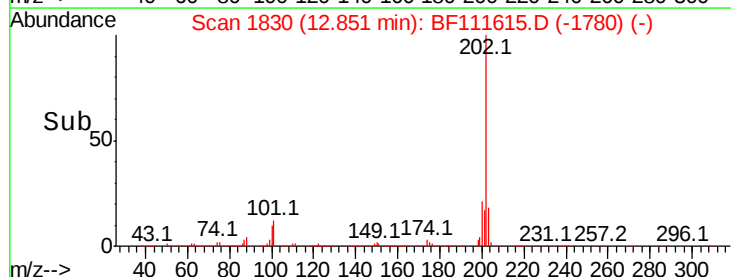
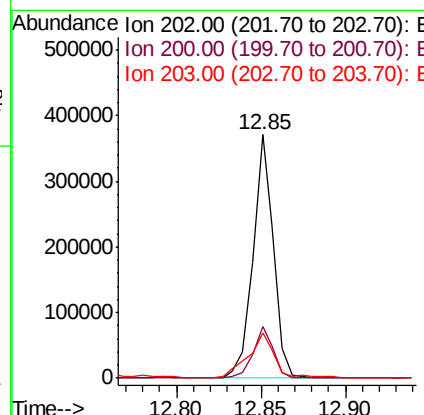
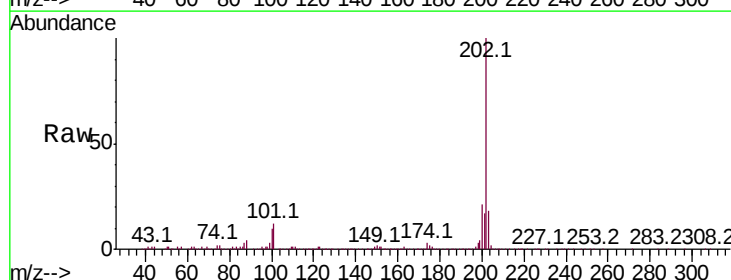
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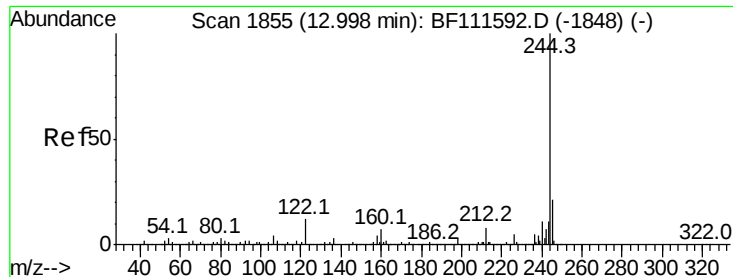
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#78
Pyrene
Concen: 9.188 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF111615.D
Acq: 20 Dec 2018 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.1	19.0	28.4	
203	18.5	15.2	22.8	





#79

Terphenyl-d14

Concen: 13.085 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF111615.D

Acq: 20 Dec 2018 2:47

Instrument :

BNA_F

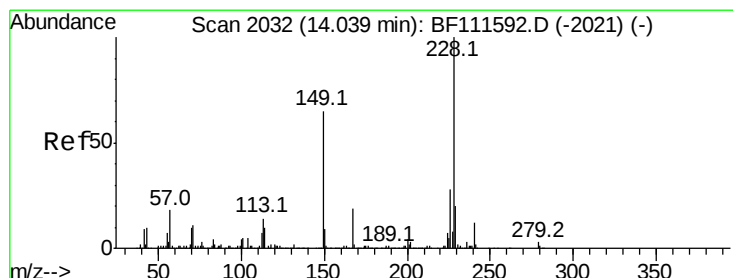
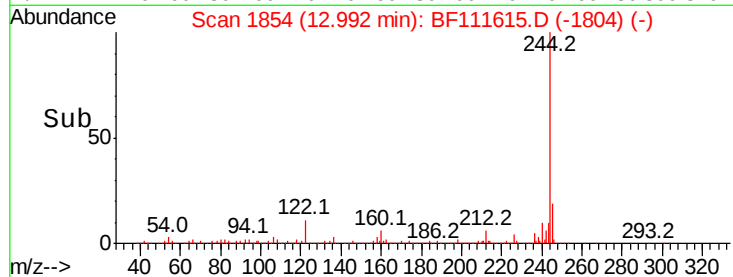
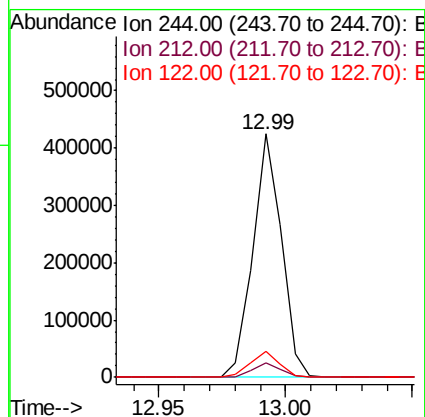
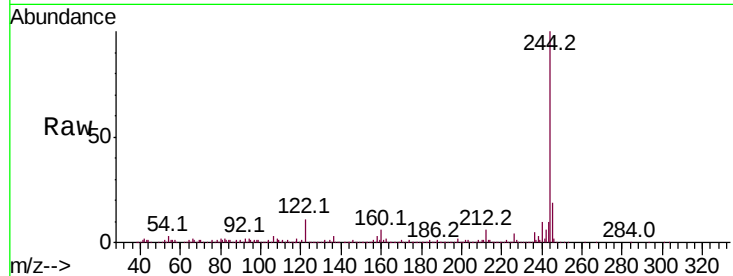
ClientSampleId :

EB08_1.5-3.5

Tot Ion:	244	Resp:	333538
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.7	8.5
122	10.5	13.1	19.7

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#81

Benzo(a)anthracene

Concen: 5.527 ng

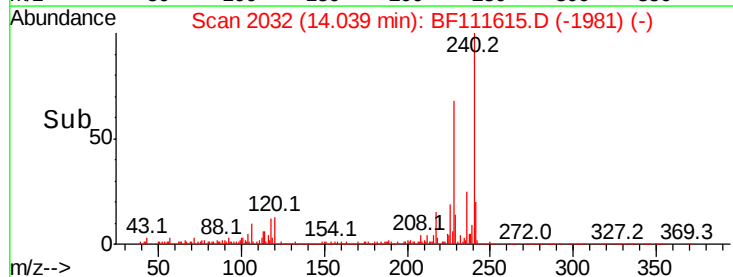
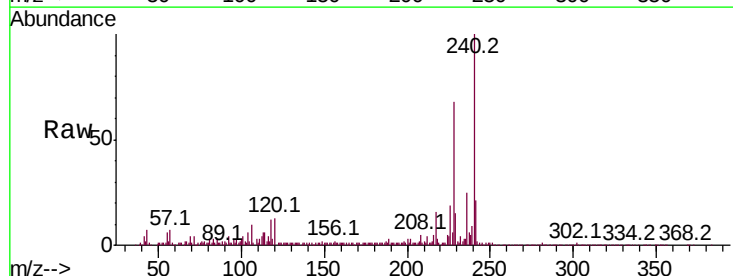
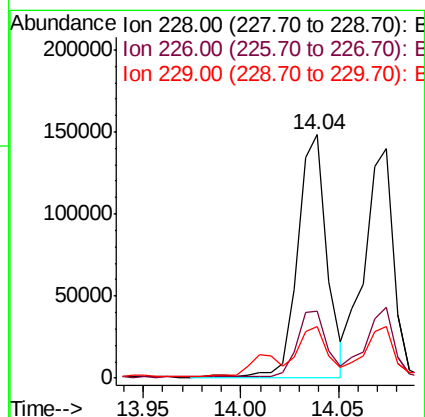
RT: 14.04 min Scan# 2032

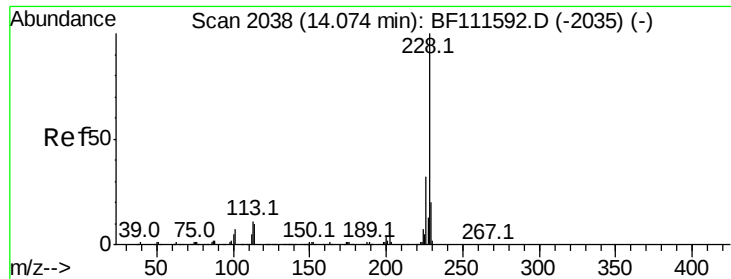
Delta R.T. -0.00 min

Lab File: BF111615.D

Acq: 20 Dec 2018 2:47

Tgt Ion:	228	Resp:	152483
Ion Ratio	Lower	Upper	
228	100		
226	27.6	22.6	34.0
229	21.4	16.3	24.5





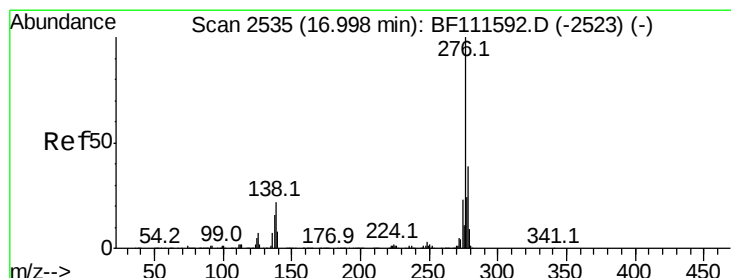
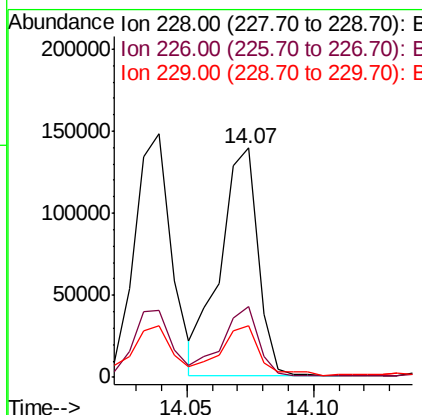
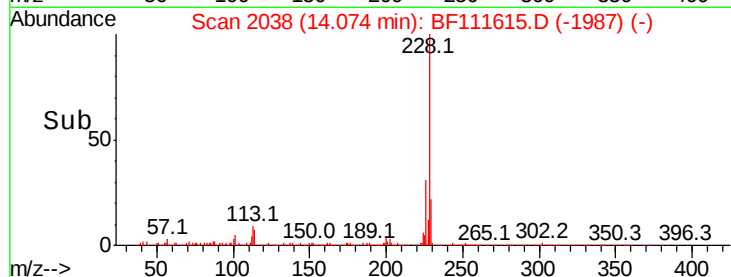
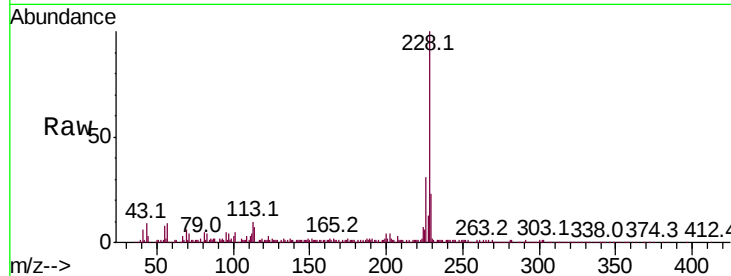
#83
Chrysene
Concen: 5.326 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF111615.D
Acq: 20 Dec 2018 2:47

Instrument :
BNA_F
ClientSampleId :
EB08_1.5-3.5

Tot Ion:	228	Resp:	144409
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.3	37.9
229	22.6	17.2	25.8

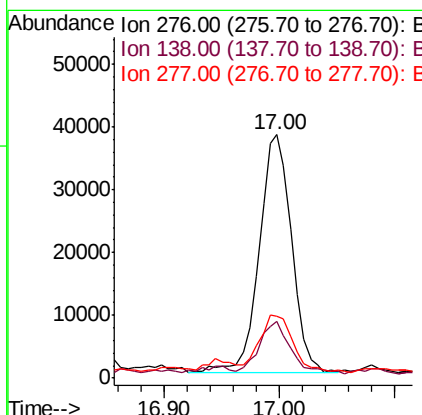
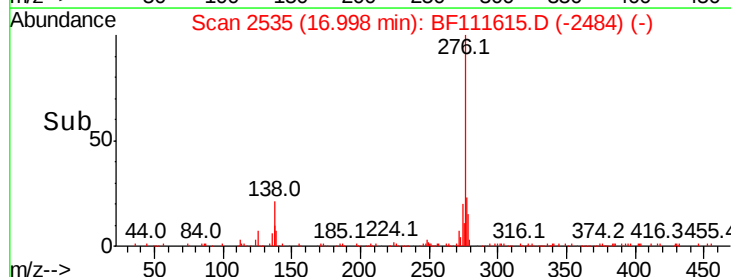
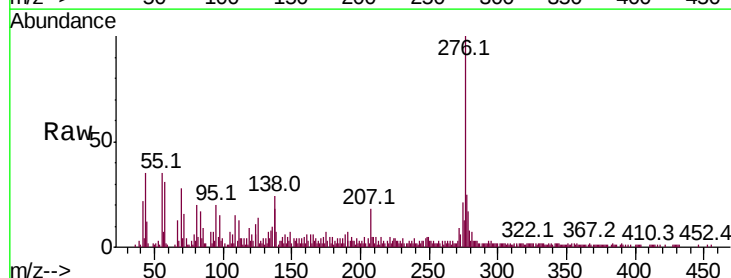
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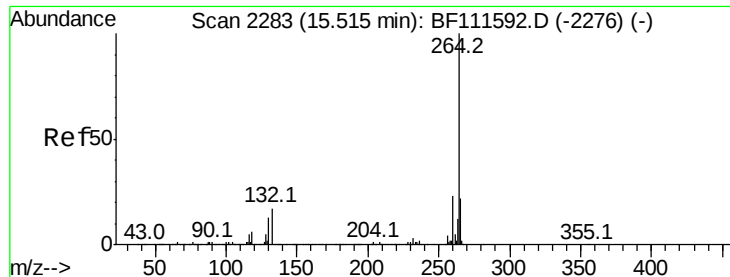
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.242 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.00 min
Lab File: BF111615.D
Acq: 20 Dec 2018 2:47

Tgt Ion:	276	Resp:	74724
Ion Ratio	Lower	Upper	
276	100		
138	20.8	27.8	41.6#
277	24.9	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.01 min

Lab File: BF111615.D

Acq: 20 Dec 2018 2:47

Instrument :

BNA_F

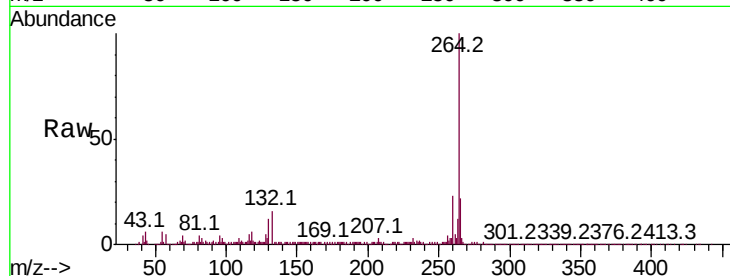
ClientSampleId :

EB08_1.5-3.5

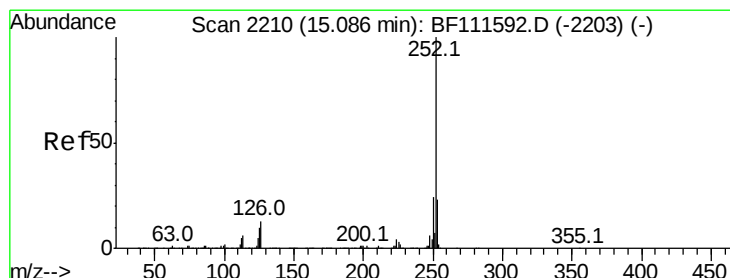
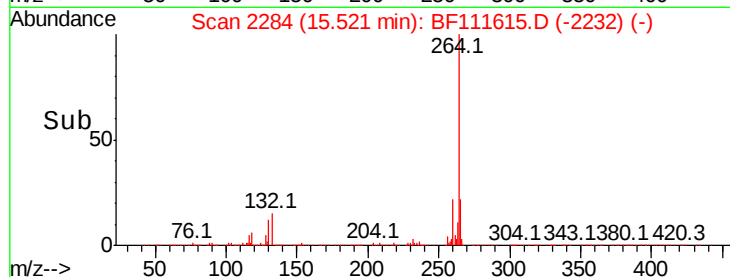
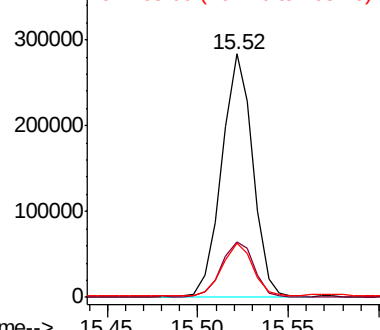
Tot Ion:	264	Resp:	334931
Ion Ratio	Lower	Upper	
264	100		
260	22.7	18.3	27.5
265	22.0	17.7	26.5

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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: 9.070 ng m

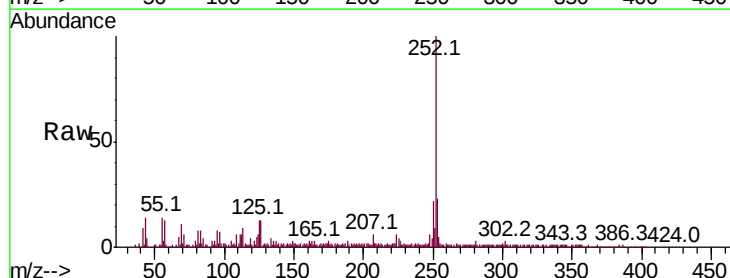
RT: 15.09 min Scan# 2210

Delta R.T. -0.00 min

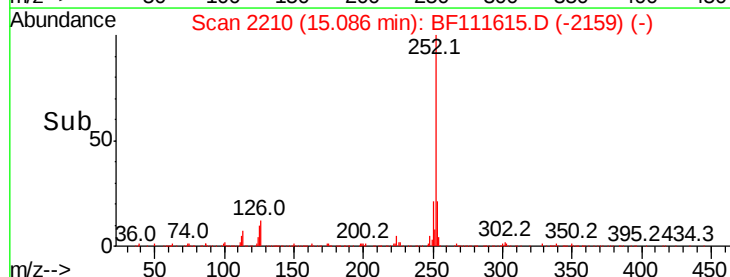
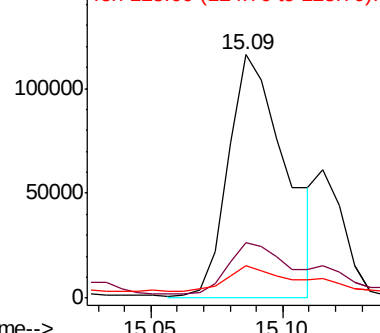
Lab File: BF111615.D

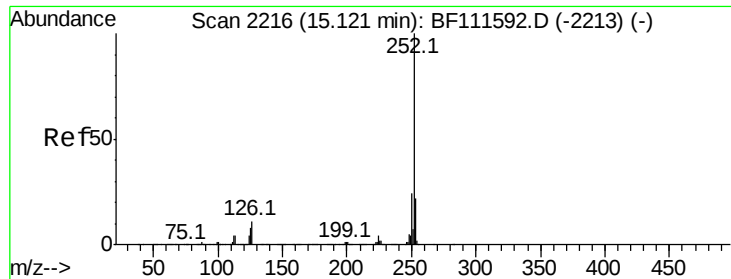
Acq: 20 Dec 2018 2:47

Tgt Ion:	252	Resp:	177551
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.2	27.2
125	13.3	10.4	15.6



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





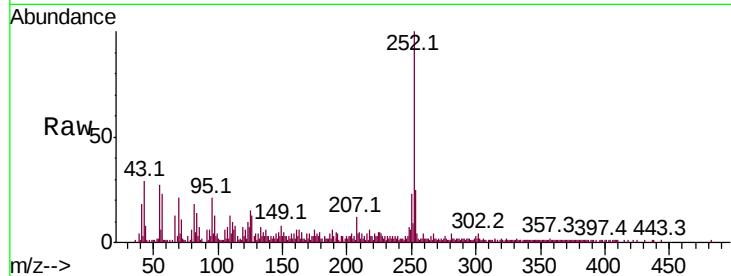
#89
Benzo(k)fluoranthene
Concen: 2.472 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF111615.D
Acq: 20 Dec 2018 2:47

Instrument :
BNA_F
ClientSampleId :
EB08_1.5-3.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.1	27.1
125	14.9	9.8	14.8

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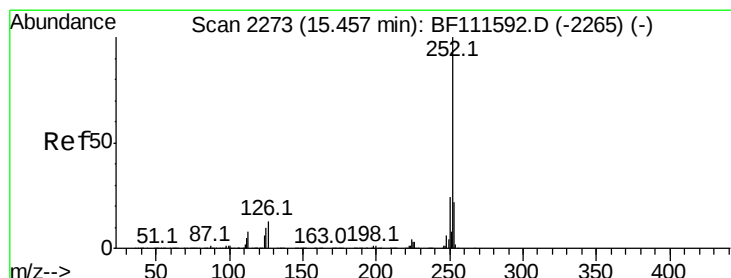
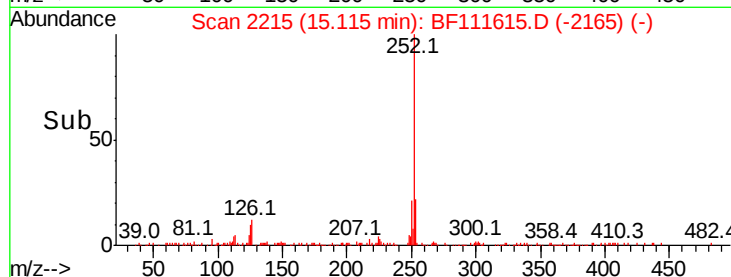
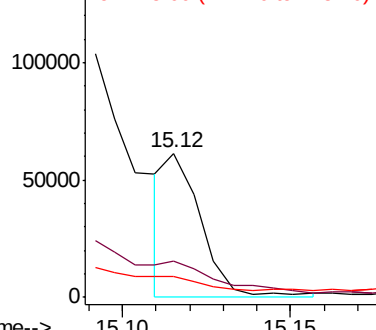


Abundance

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: 6.632 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF111615.D
Acq: 20 Dec 2018 2:47

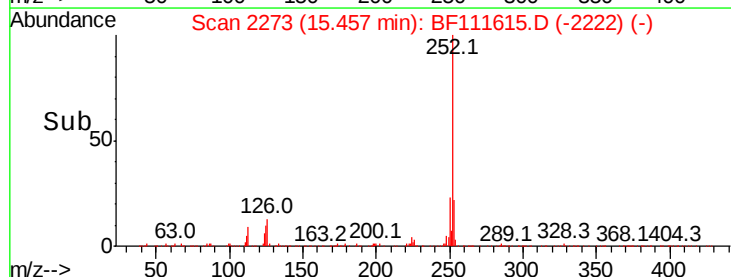
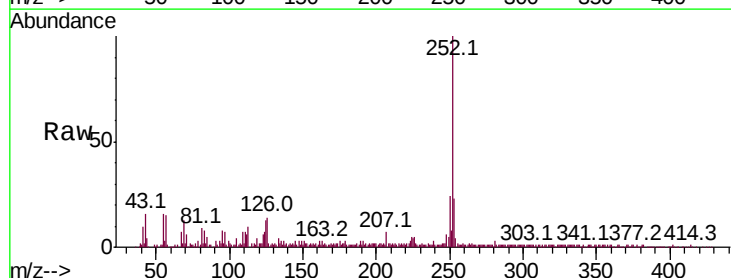
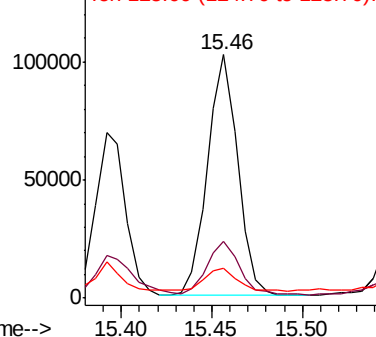
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	12.5	12.3	18.5

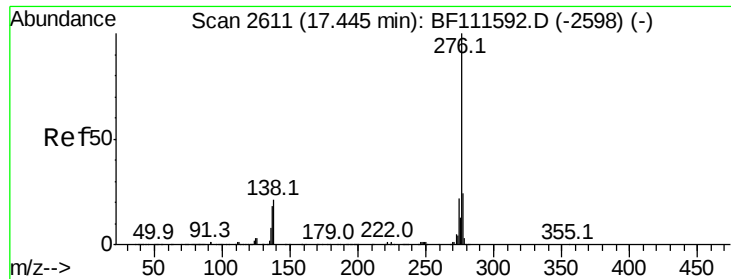
Abundance

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: 4.921 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. -0.01 min
 Lab File: BF111615.D
 Acq: 20 Dec 2018 2:47

Instrument :
 BNA_F
 ClientSampleId :
 EB08_1.5-3.5

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.2	28.8
138	20.8	24.9	37.3#

Manual Integrations
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