

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
 Data File : BF111653.D
 Acq On : 20 Dec 2018 21:55
 Operator : JU/SJ
 Sample : J6357-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-09B

Manual Integrations
 APPROVED

Sohil
 12/21/2018 2:46:53 PM

Quant Time: Dec 21 07:12:46 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	222062	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	811903	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	378657	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	579546	20.00	ng	0.00
76) Chrysene-d12	14.05	240	503807	20.00	ng	0.00
87) Perylene-d12	15.52	264	445329	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1617818	124.18	ng	0.01
7) Phenol-d6	6.53	99	2082736	125.62	ng	0.00
23) Nitrobenzene-d5	7.46	82	1324666	94.97	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	441772	98.74	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	2072988	79.80	ng	0.00
79) Terphenyl-d14	13.00	244	1450688	54.61	ng	0.00
Target Compounds						
10) Phenol	6.54	94	135384	7.237	ng	94
50) Dimethylphthalate	9.64	163	158777	5.734	ng	96
71) Phenanthrene	11.44	178	417936	13.598	ng	94
72) Anthracene	11.49	178	72949	2.365	ng	96
75) Fluoranthene	12.62	202	414232	13.309	ng	96
78) Pyrene	12.85	202	470106	13.214	ng	96
81) Benzo(a)anthracene	14.03	228	220493	7.669	ng	99
83) Chrysene	14.07	228	221825	7.850	ng	97
86) Indeno(1,2,3-cd)pyrene	16.99	276	66345	2.762	ng	# 83
88) Benzo(b)fluoranthene	15.09	252	217813m	8.369	ng	
90) Benzo(a)pyrene	15.46	252	152439m	6.447	ng	
92) Benzo(a,h,i)perylene	17.44	276	63829	3.157	ng	# 88

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

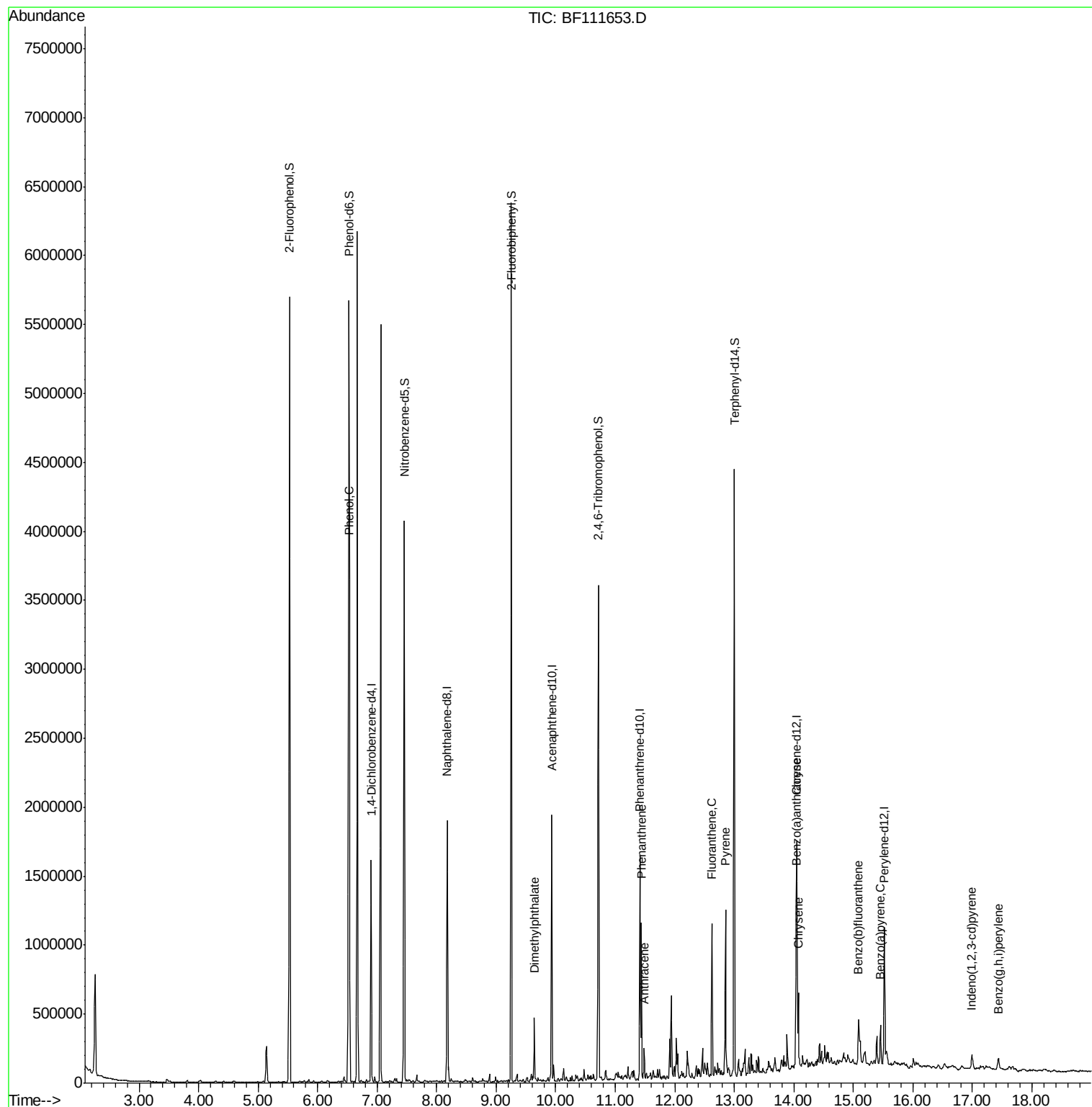
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111653.D
Acq On : 20 Dec 2018 21:55
Operator : JU/SJ
Sample : J6357-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

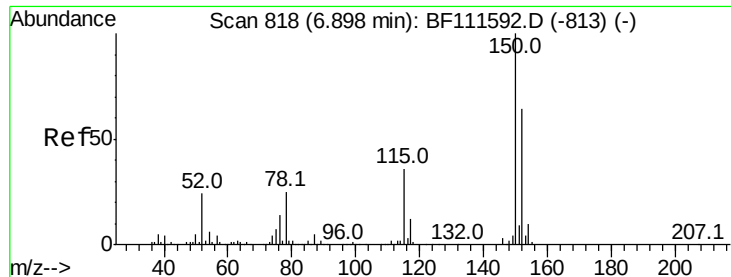
Instrument :
BNA_F
ClientSampleId :
SB-09B

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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

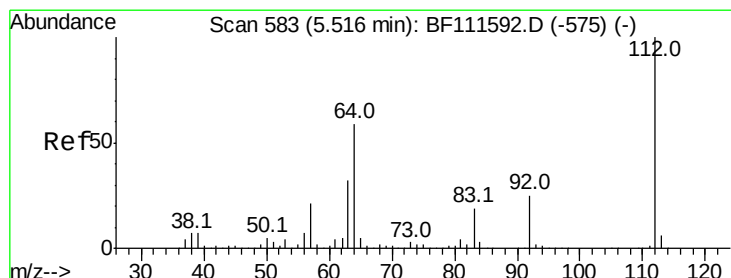
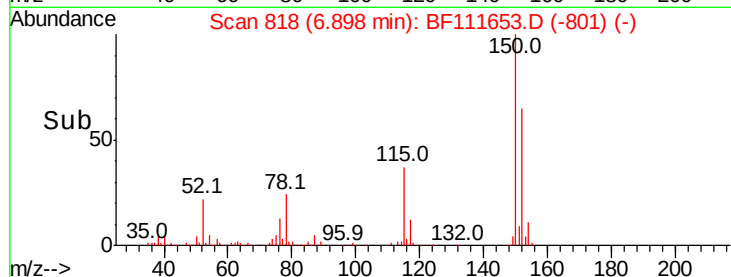
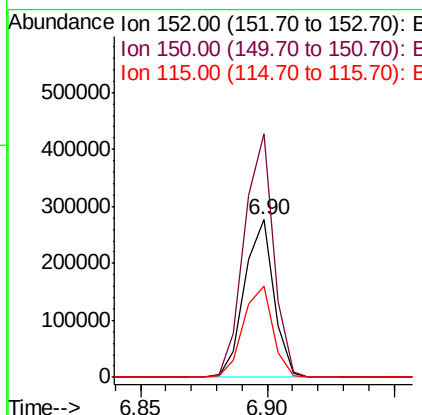
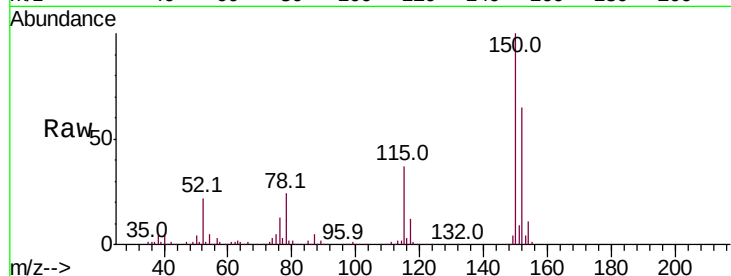
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF111653.D
Acq: 20 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
SB-09B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.6	189.8
115	57.6	50.7	76.1

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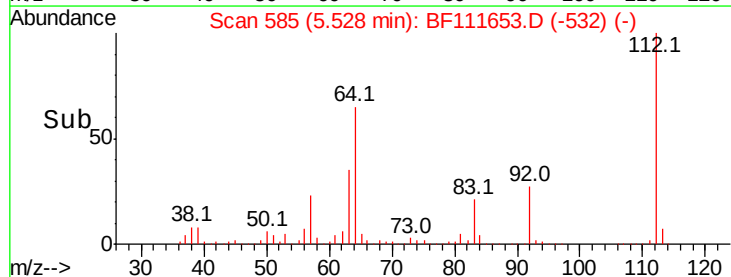
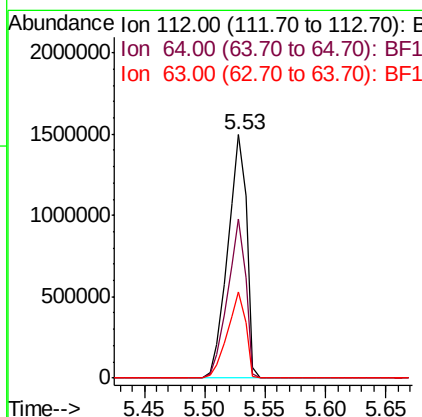
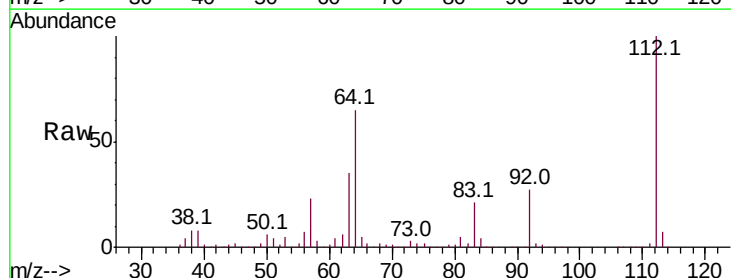
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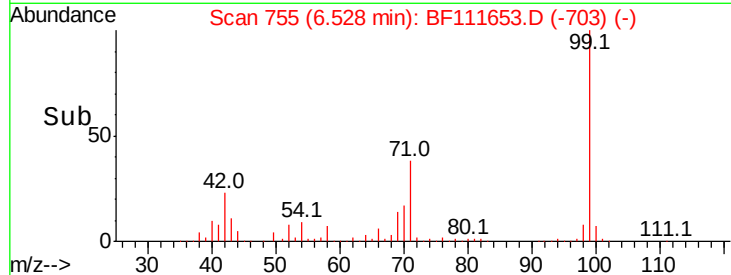
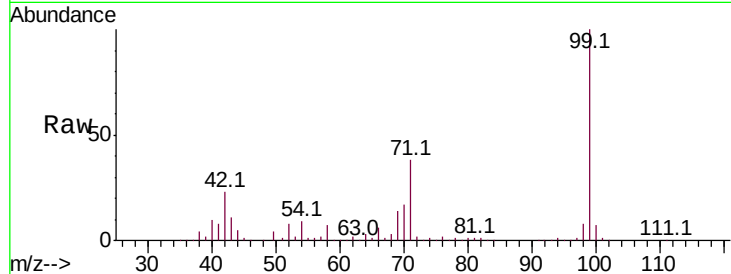
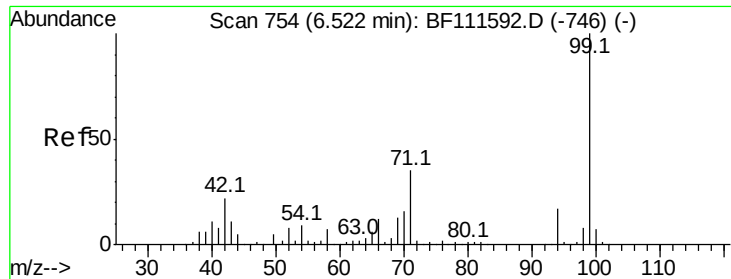


#5

2-Fluorophenol
Concen: 124.183 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF111653.D
Acq: 20 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	51.8	77.6
63	35.3	26.8	40.2





#7

Phenol-d6

Concen: 125.619 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF111653.D

Acq: 20 Dec 2018 21:55

Tot Ion: 99 Resp: 2082736

Ion Ratio Lower Upper

99 100

42 23.4 17.4 26.0

71 38.1 26.1 39.1

Instrument :

BNA_F

ClientSampled :

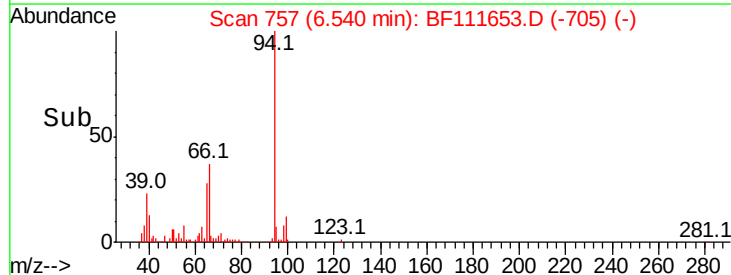
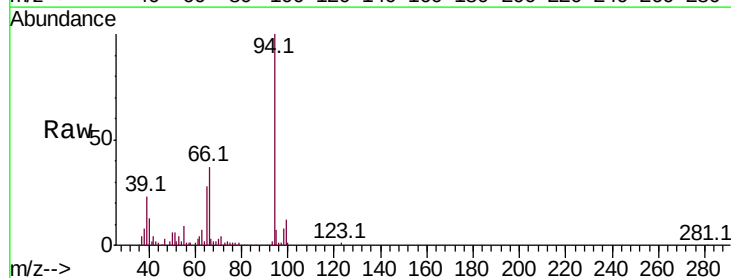
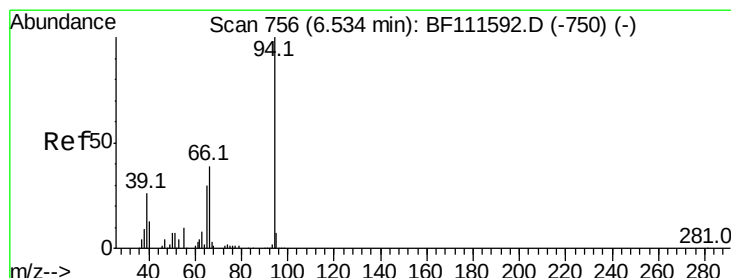
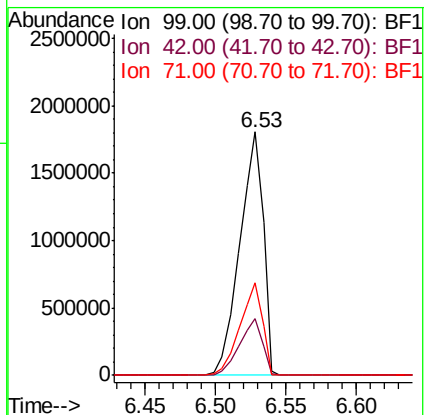
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#10

Phenol

Concen: 7.237 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.01 min

Lab File: BF111653.D

Acq: 20 Dec 2018 21:55

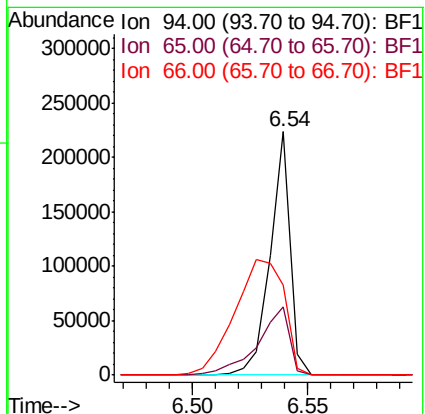
Tgt Ion: 94 Resp: 135384

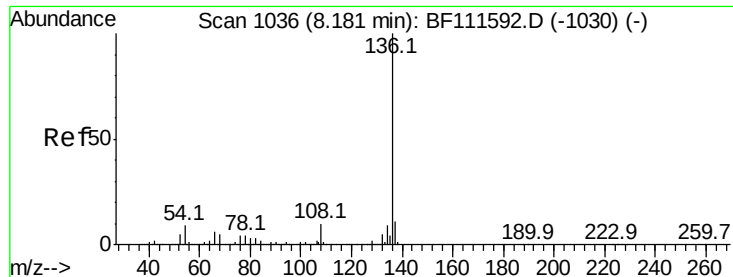
Ion Ratio Lower Upper

94 100

65 28.0 11.7 51.7

66 37.2 21.0 61.0





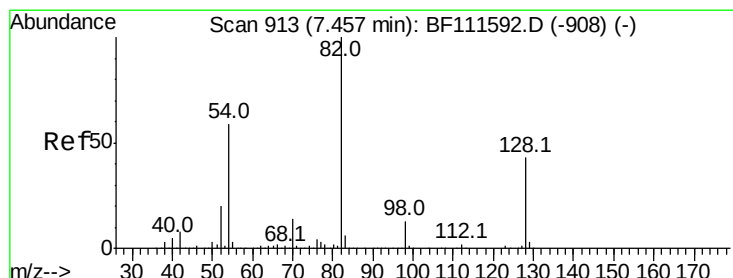
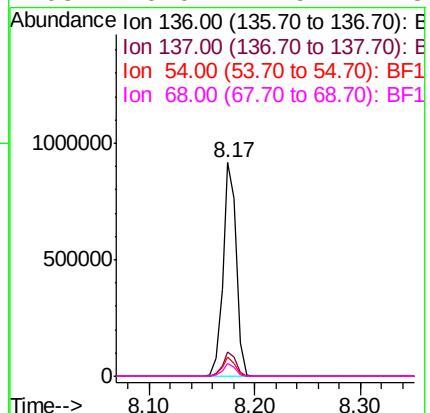
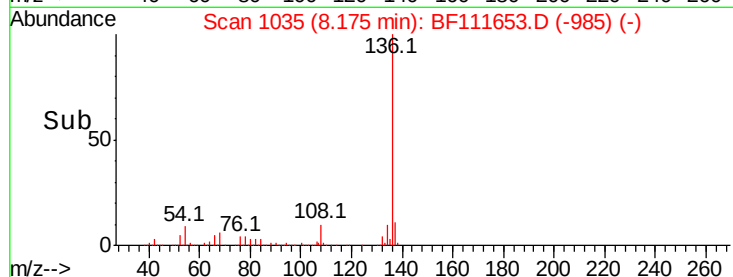
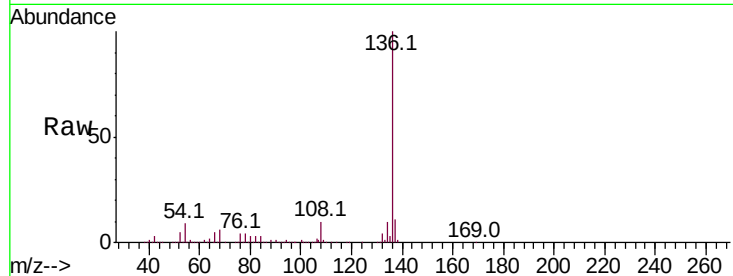
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF111653.D
Acq: 20 Dec 2018 21:55

Instrument :
BNA_F
ClientSampled :
SB-09B

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.5	9.1	13.7	
54	9.2	7.7	11.5	
68	6.0	4.9	7.3	

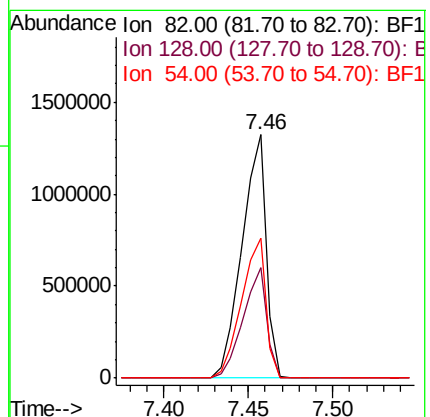
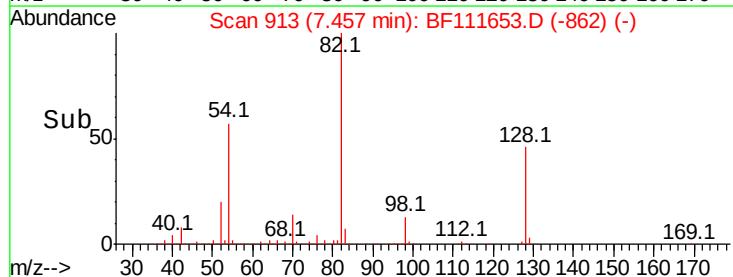
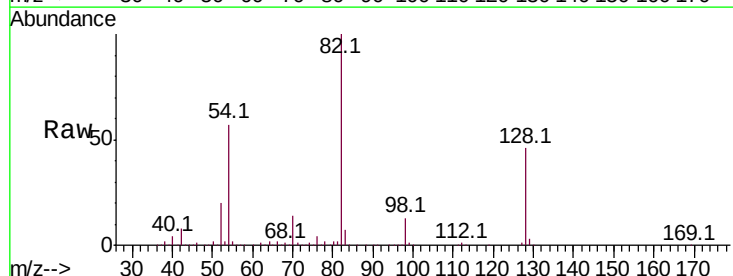
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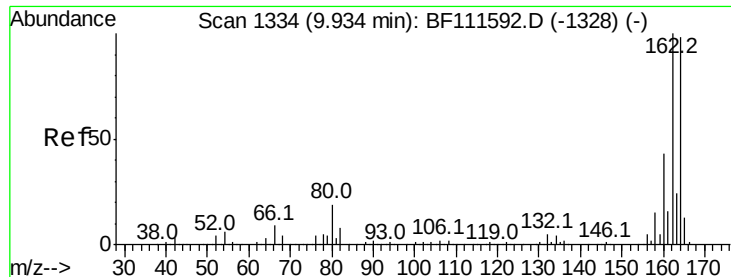
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#23
Nitrobenzene-d5
Concen: 94.969 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.00 min
Lab File: BF111653.D
Acq: 20 Dec 2018 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.5	37.4	56.2	
54	57.3	47.6	71.4	





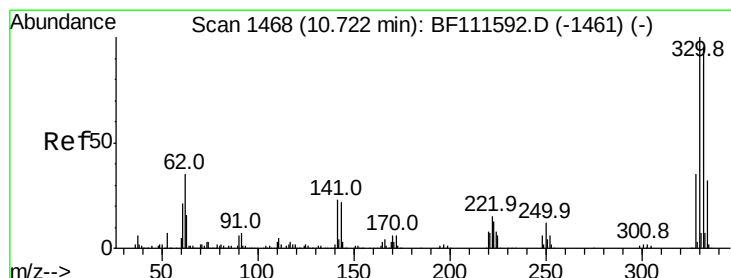
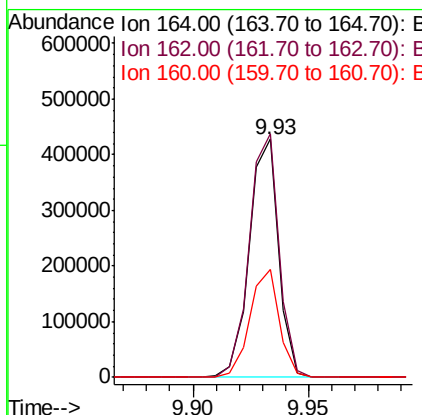
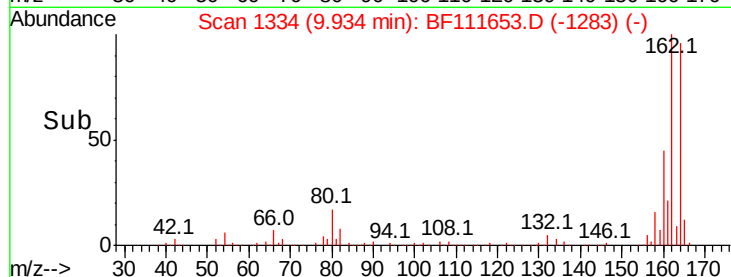
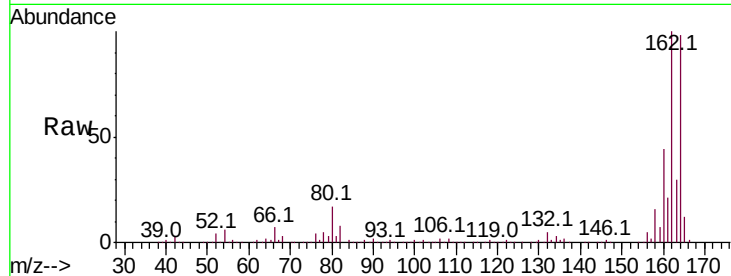
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF111653.D
Acq: 20 Dec 2018 21:55

Instrument :
BNA_F
ClientSampled :
SB-09B

Tot Ion	Ratio	Resp	Lower	Upper
164	100	378657		
162	102.3	81.4	122.0	
160	45.5	35.7	53.5	

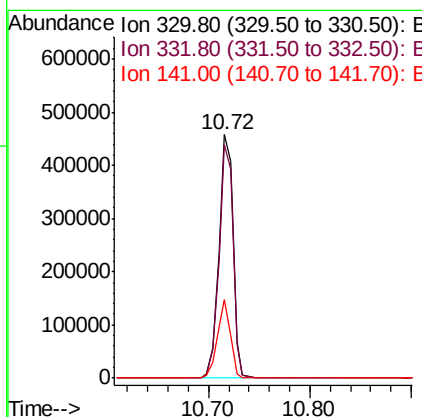
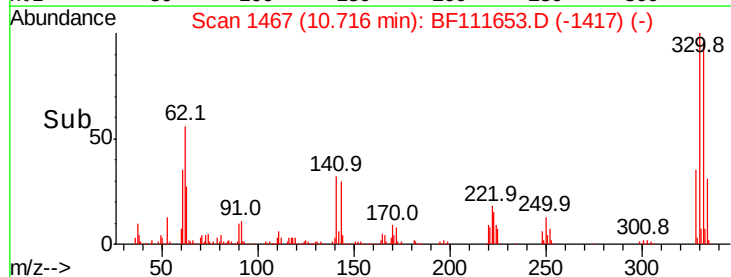
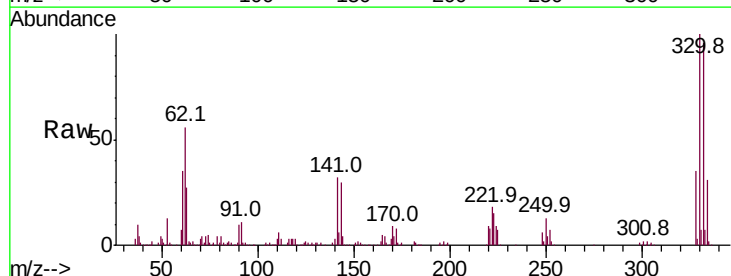
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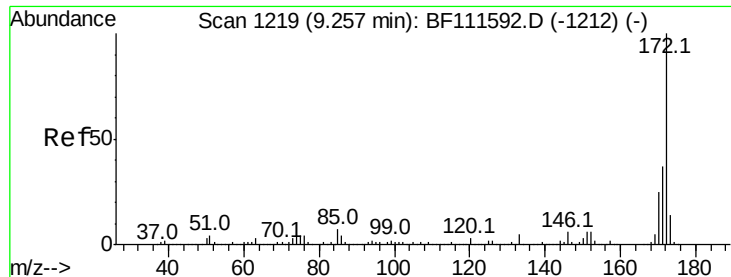
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#42
2,4,6-Tribromophenol
Concen: 98.739 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF111653.D
Acq: 20 Dec 2018 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	441772		
332	95.4	76.0	114.0	
141	30.2	31.0	46.6	





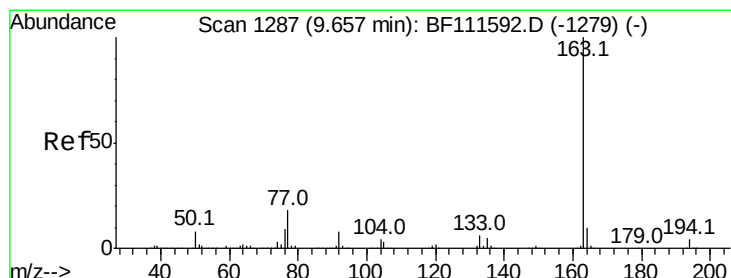
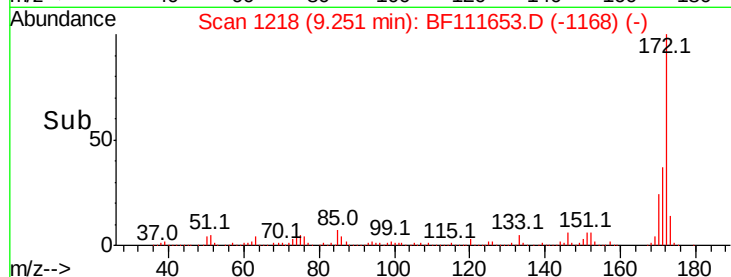
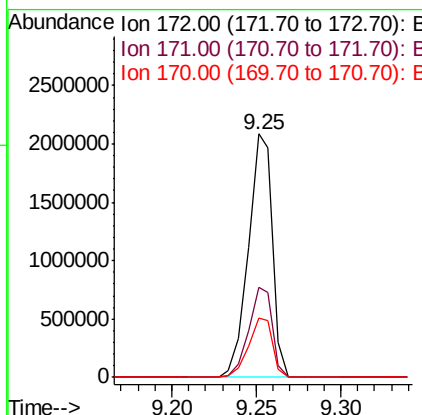
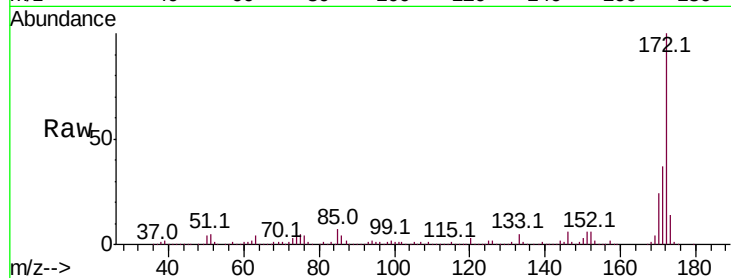
#45
2-Fluorobiphenyl
Concen: 79.796 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111653.D
Acq: 20 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
SB-09B

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	33.0	49.4
170	24.4	22.3	33.5

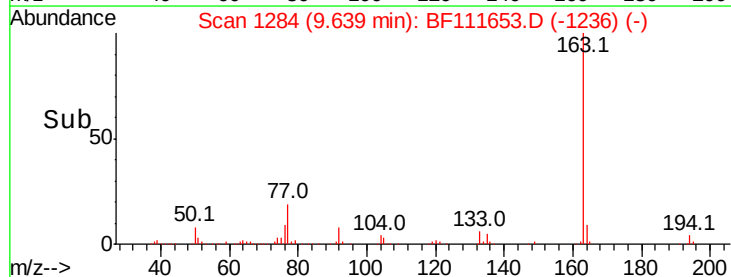
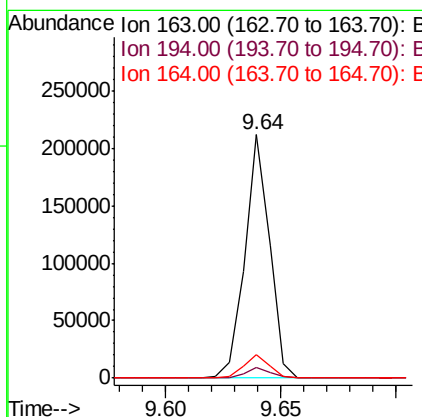
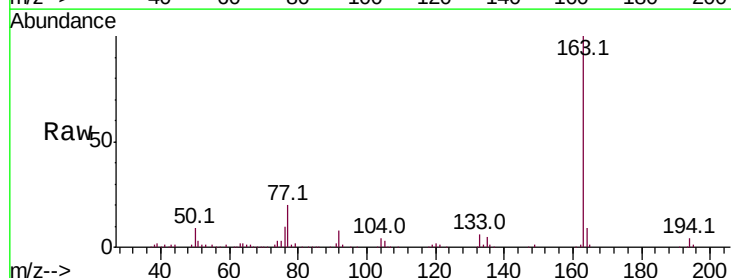
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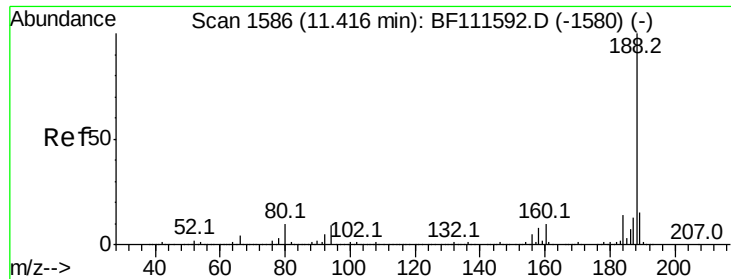
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#50
Dimethylphthalate
Concen: 5.734 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111653.D
Acq: 20 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.6
164	9.4	8.9	13.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF111653.D

Acq: 20 Dec 2018 21:55

Instrument :

BNA_F

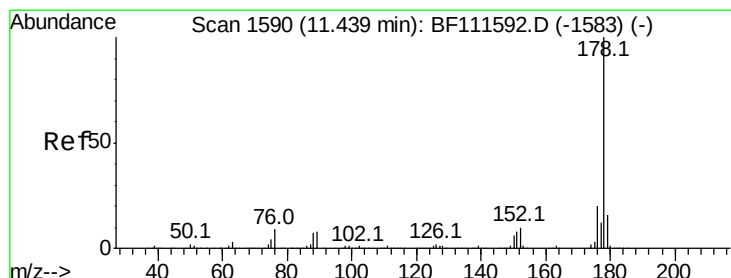
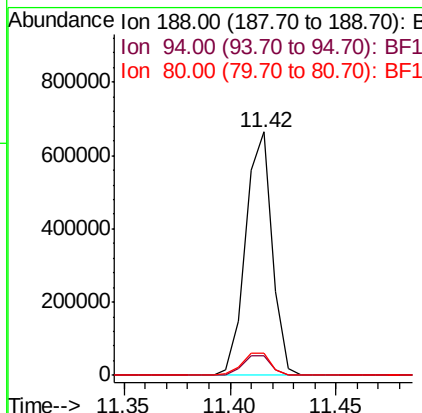
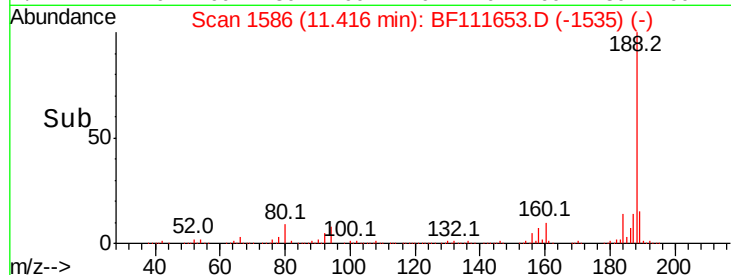
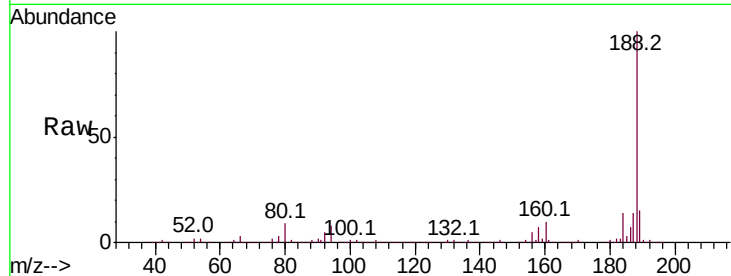
ClientSampleId :

SB-09B

Tot Ion:	188	Resp:	579546
Ion Ratio	Lower	Upper	
188	100		
94	8.0	9.6	14.4#
80	9.0	9.8	14.6#

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#71

Phenanthrene

Concen: 13.598 ng

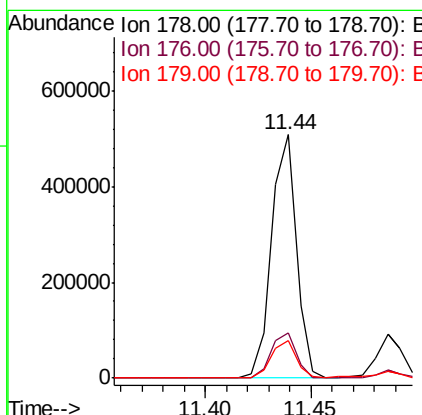
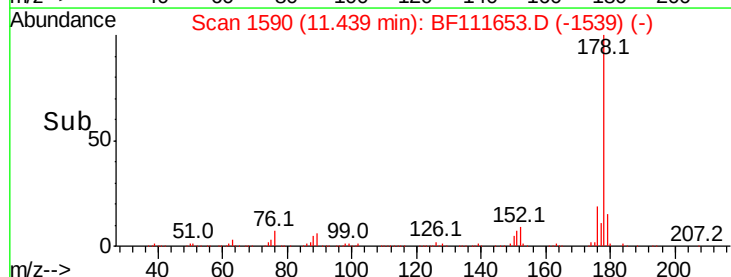
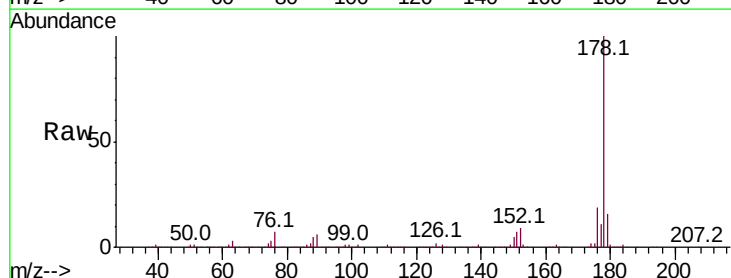
RT: 11.44 min Scan# 1590

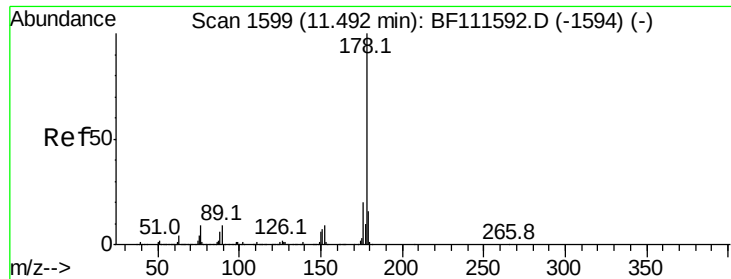
Delta R.T. 0.00 min

Lab File: BF111653.D

Acq: 20 Dec 2018 21:55

Tgt Ion:	178	Resp:	417936
Ion Ratio	Lower	Upper	
178	100		
176	18.8	18.1	27.1
179	15.7	14.0	21.0





#72

Anthracene

Concen: 2.365 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF111653.D

Acq: 20 Dec 2018 21:55

Instrument :

BNA_F

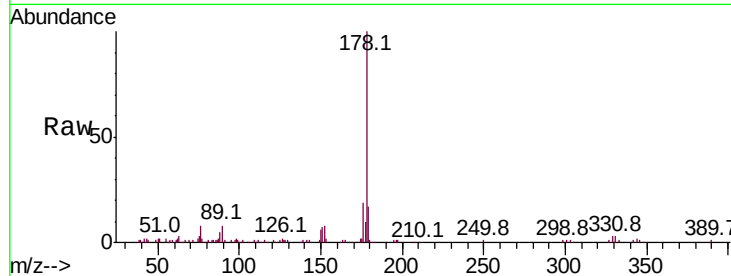
ClientSampleId :

SB-09B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	17.2	25.8
179	16.5	13.8	20.8

Manual Integrations
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Abundance

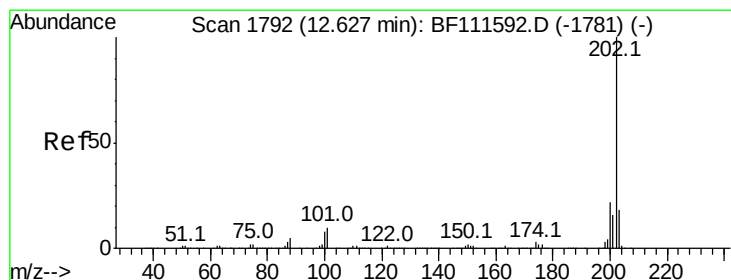
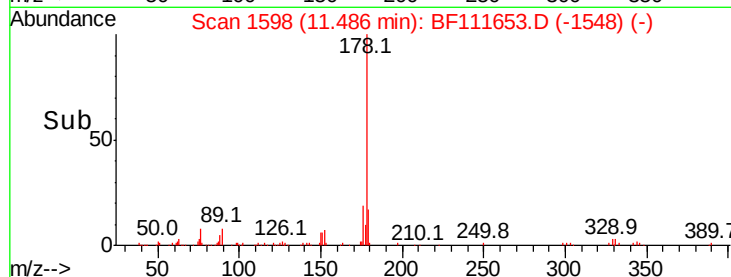
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

11.49

Time-->



#75

Fluoranthene

Concen: 13.309 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF111653.D

Acq: 20 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	33.8
203	17.5	0.0	38.6

Abundance

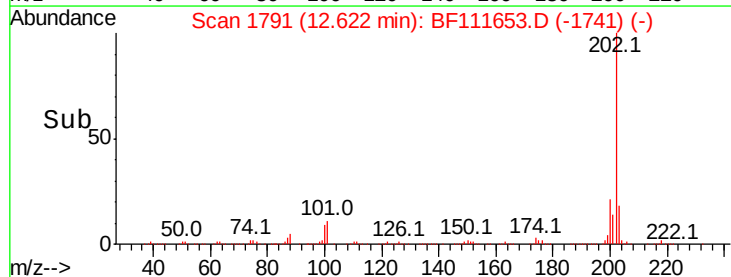
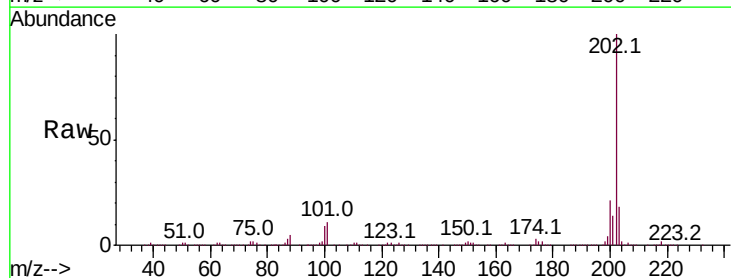
Ion 202.00 (201.70 to 202.70): E

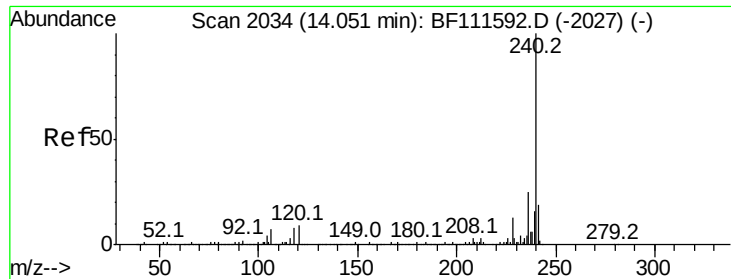
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.62

Time-->





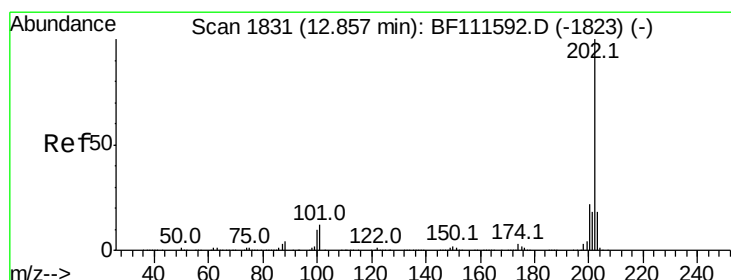
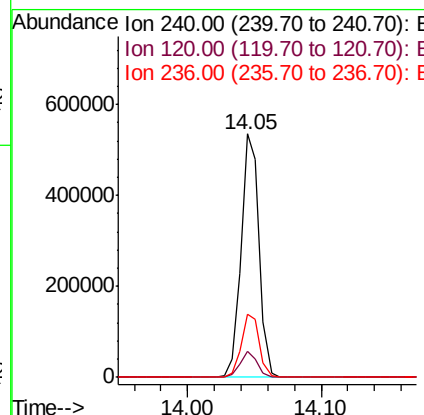
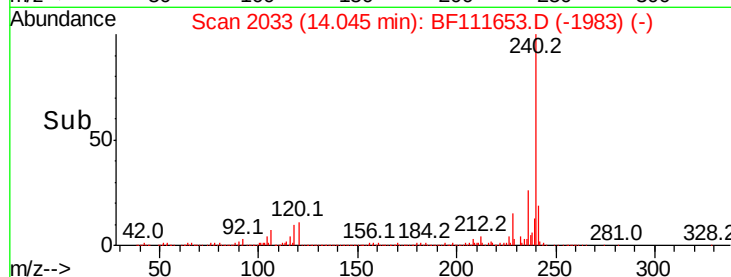
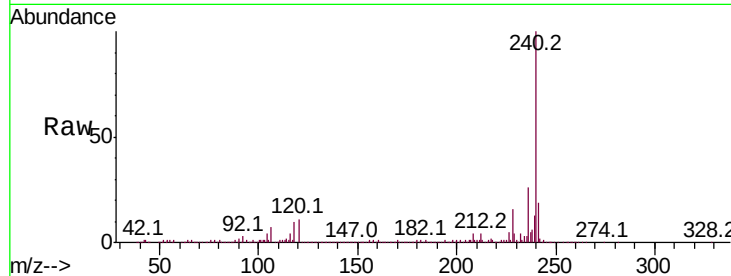
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF111653.D
Acq: 20 Dec 2018 21:55

Instrument :
BNA_F
ClientSampled :
SB-09B

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	12.2	18.2#
236	26.2	20.2	30.2

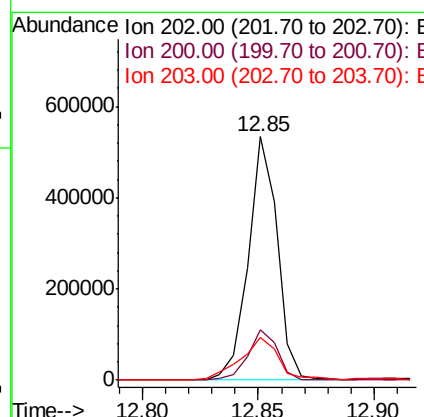
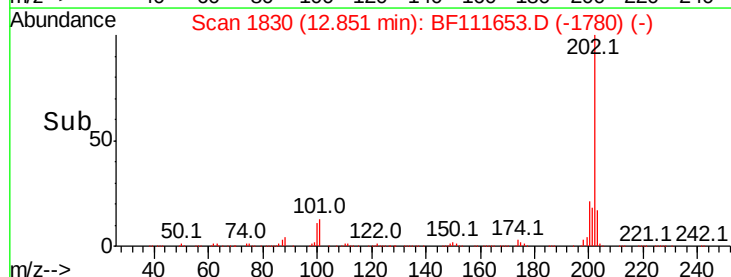
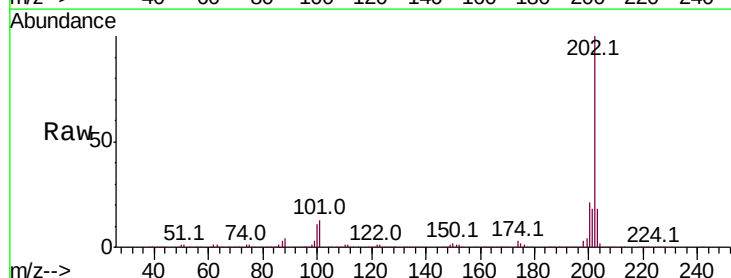
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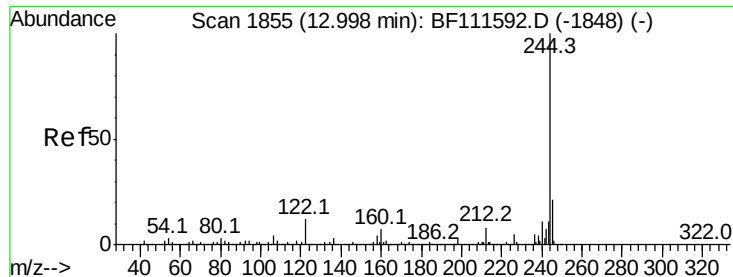
Sohil
12/21/2018 2:46:53 PM



#78
Pyrene
Concen: 13.214 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF111653.D
Acq: 20 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	19.0	28.4
203	17.8	15.2	22.8





#79

Terphenyl-d14

Concen: 54.606 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF111653.D

Acq: 20 Dec 2018 21:55

Instrument :

BNA_F

ClientSampled :

SB-09B

Tot Ion:244 Resp: 1450688

Ion Ratio Lower Upper

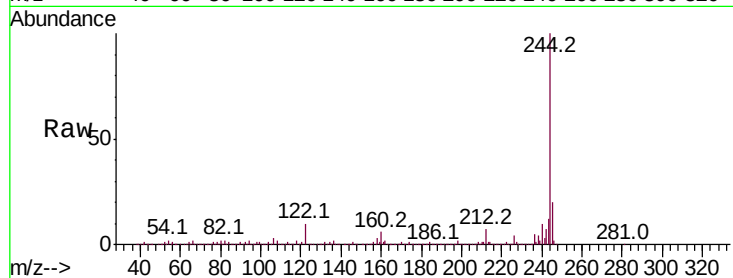
244 100

212 6.7 5.7 8.5

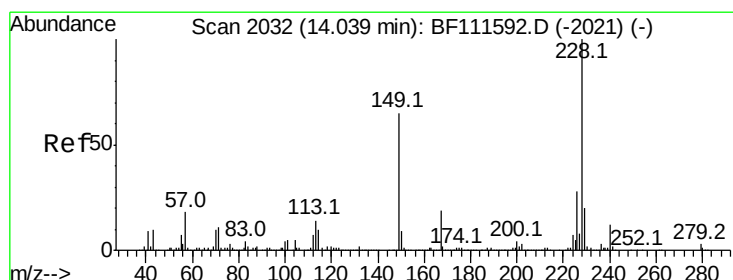
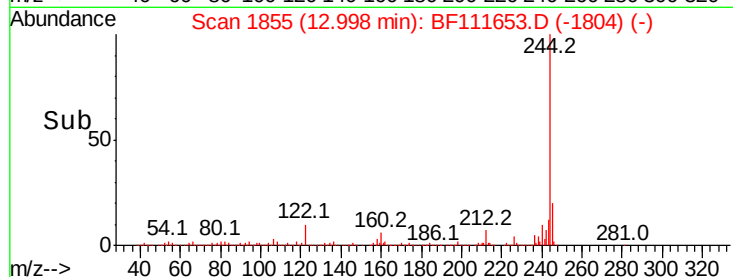
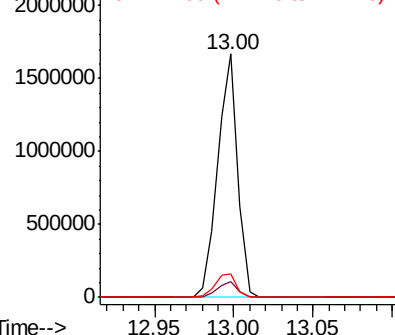
122 9.9 13.1 19.7#

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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: 7.669 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF111653.D

Acq: 20 Dec 2018 21:55

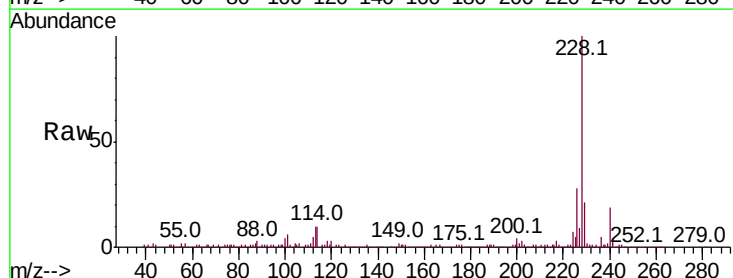
Tgt Ion:228 Resp: 220493

Ion Ratio Lower Upper

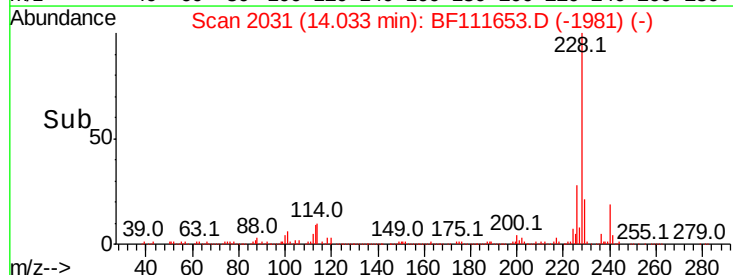
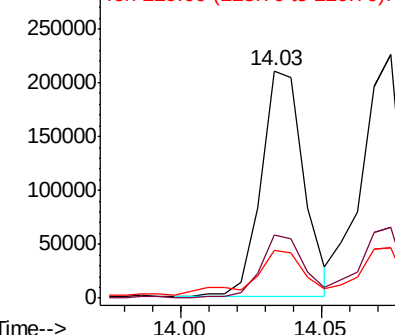
228 100

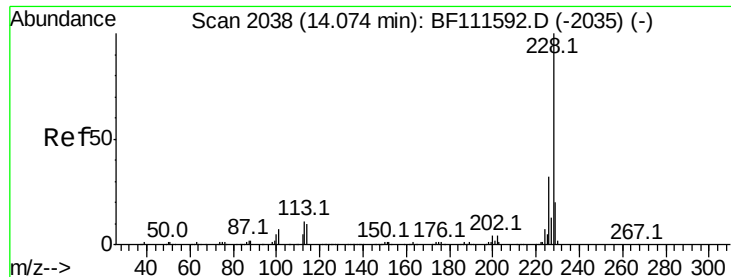
226 27.9 22.6 34.0

229 21.2 16.3 24.5



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





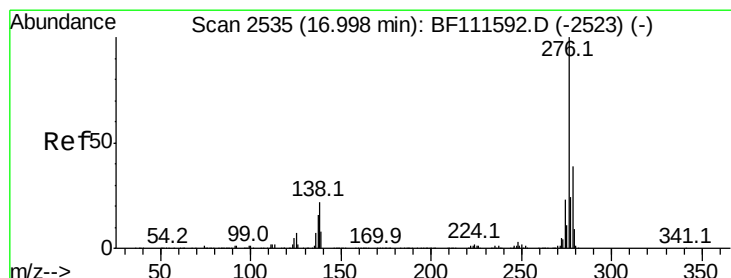
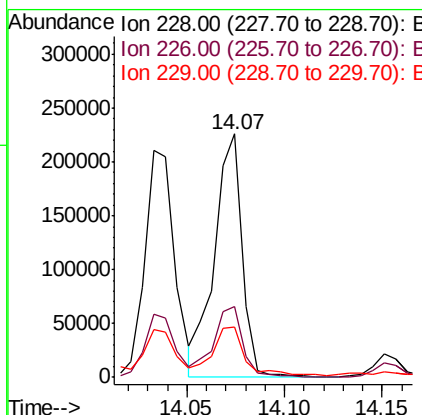
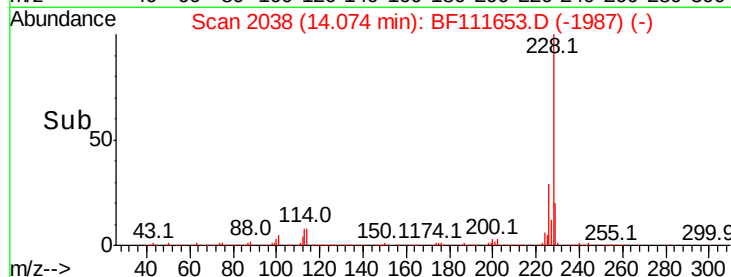
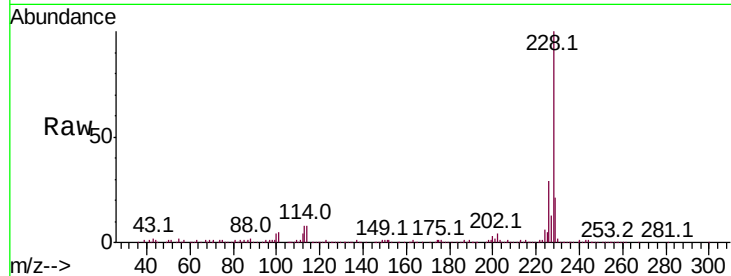
#83
Chrysene
Concen: 7.850 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BF111653.D
Acq: 20 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
SB-09B

Tot Ion:	228	Resp:	221825
Ion Ratio	Lower	Upper	
228	100		
226	29.2	25.3	37.9
229	20.7	17.2	25.8

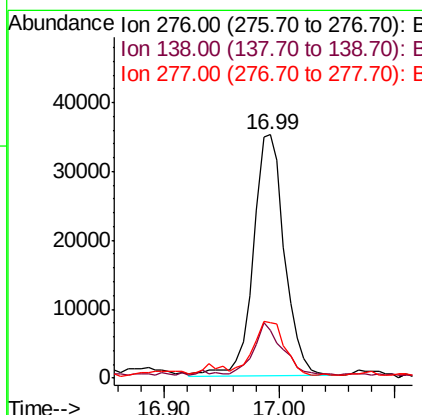
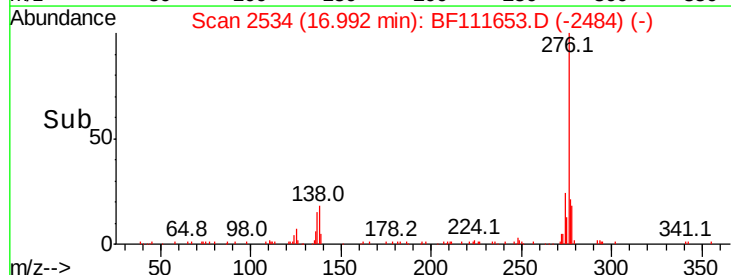
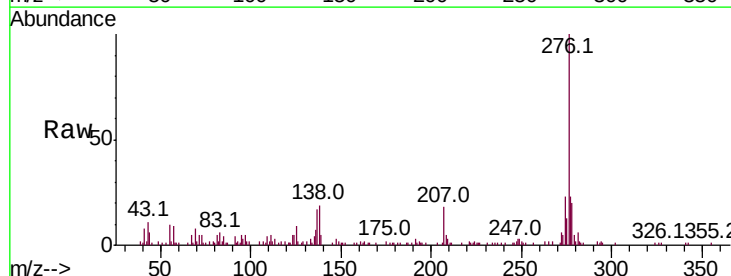
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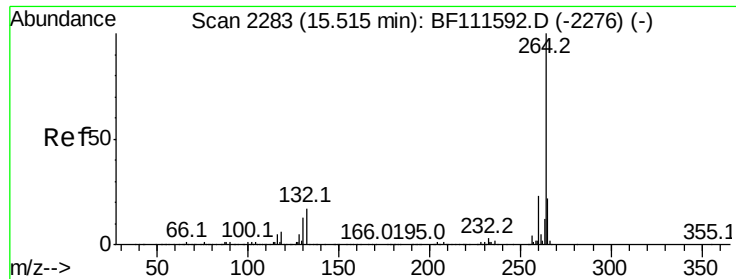
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.762 ng
RT: 16.99 min Scan# 2534
Delta R.T. -0.01 min
Lab File: BF111653.D
Acq: 20 Dec 2018 21:55

Tgt Ion:	276	Resp:	66345
Ion Ratio	Lower	Upper	
276	100		
138	19.6	27.8	41.6#
277	23.1	20.1	30.1





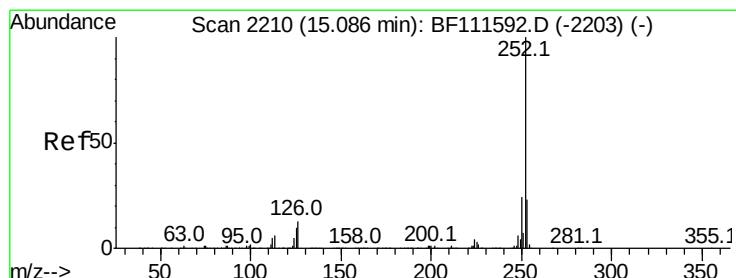
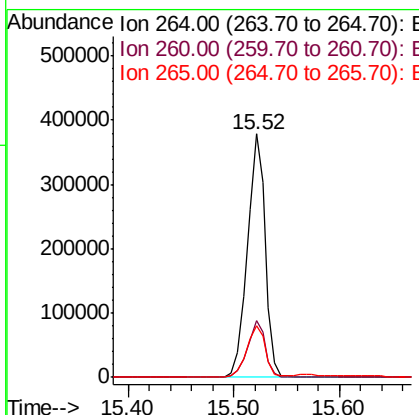
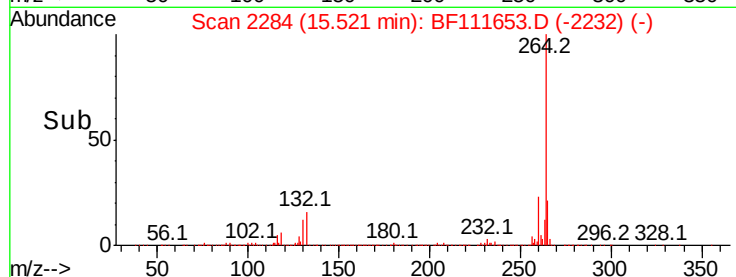
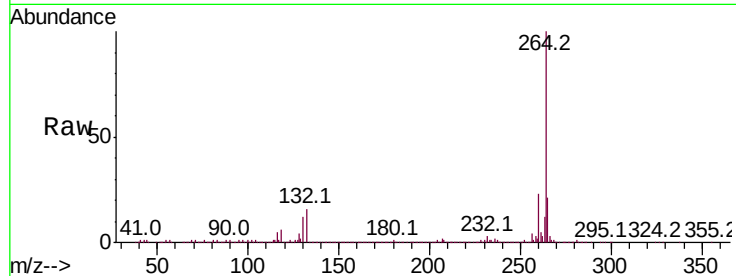
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF111653.D
Acq: 20 Dec 2018 21:55

Instrument :
BNA_F
ClientSampled :
SB-09B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.3	27.5
265	21.3	17.7	26.5

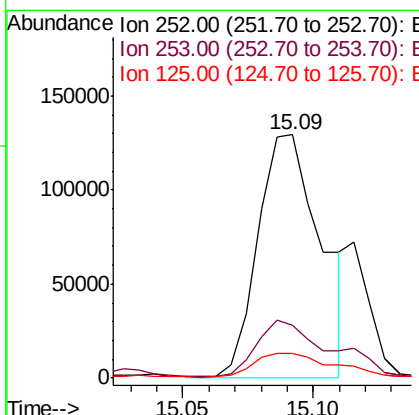
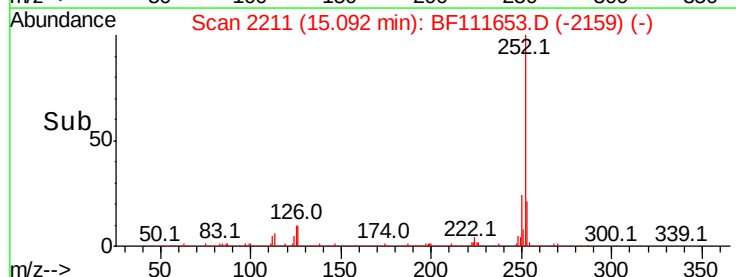
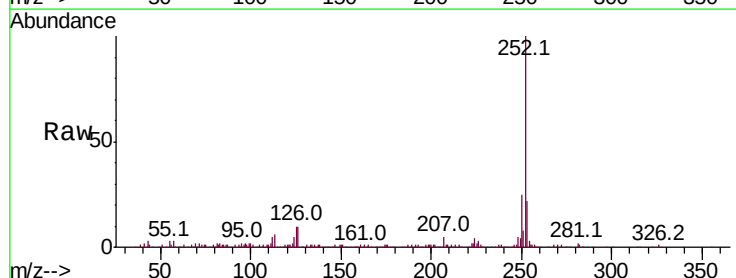
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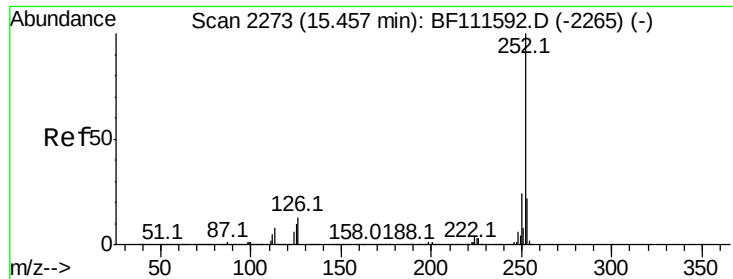
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#88
Benzo(b)fluoranthene
Concen: 8.369 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF111653.D
Acq: 20 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	10.2	10.4	15.6#





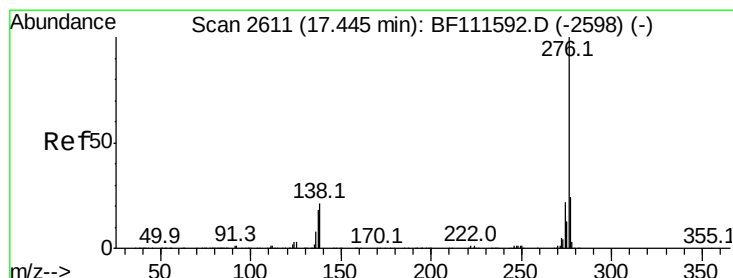
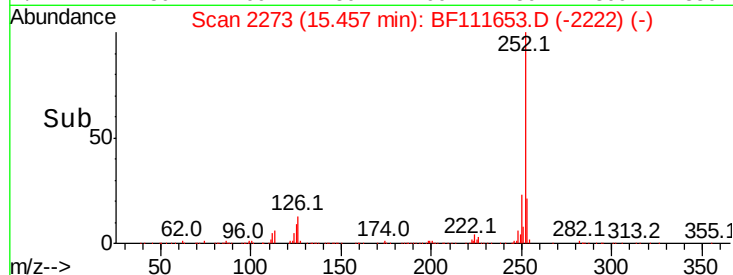
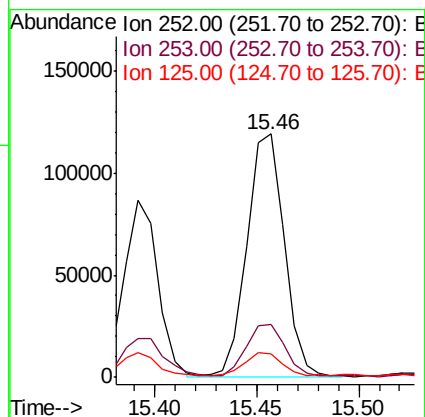
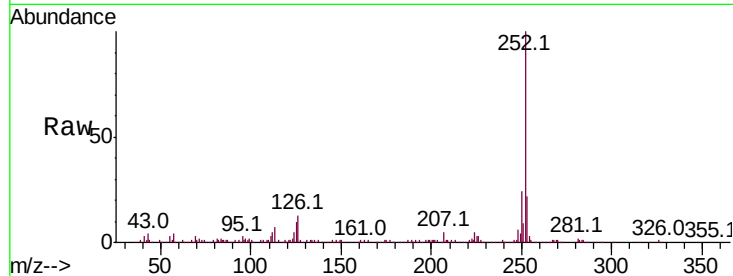
#90
Benzo(a)pyrene
Concen: 6.447 ng m
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF111653.D
Acq: 20 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
SB-09B

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	9.8	12.3	18.5

Manual Integrations
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12/21/2018 2:46:53 PM



#92
Benzo(g,h,i)perylene
Concen: 3.157 ng
RT: 17.44 min Scan# 2610
Delta R.T. -0.01 min
Lab File: BF111653.D
Acq: 20 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.2	28.8
138	19.6	24.9	37.3

