

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111728.D
 Acq On : 26 Dec 2018 21:57
 Operator : JU/SJ
 Sample : J6386-20
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS008-0612-01

Manual Integrations
 APPROVED

Sohil
 12/27/2018 1:58:25 PM

Quant Time: Dec 27 11:53:49 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	222394	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	757019	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	313019	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	527932	20.00	ng	0.00
76) Chrysene-d12	14.07	240	448251	20.00	ng	0.02
87) Perylene-d12	15.56	264	327573	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1238974	94.96	ng	0.02
7) Phenol-d6	6.54	99	1557226	93.78	ng	0.02
23) Nitrobenzene-d5	7.46	82	984708	75.71	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	342896	92.71	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1602436	74.62	ng	0.00
79) Terphenyl-d14	13.01	244	1359582	57.52	ng	0.01
Target Compounds						
10) Phenol	6.55	94	115456	6.163	ng	99
20) 3+4-Methylphenols	7.30	107	36808	2.517	ng	# 63
49) Acenaphthylene	9.80	152	112531	3.682	ng	97
50) Dimethylphthalate	9.65	163	228024	9.962	ng	98
71) Phenanthrene	11.45	178	436179	15.579	ng	94
72) Anthracene	11.50	178	88015	3.132	ng	97
75) Fluoranthene	12.64	202	356325	12.568	ng	95
78) Pyrene	12.87	202	591185	18.676	ng	96
81) Benzo(a)anthracene	14.06	228	199939m	7.816	ng	
83) Chrysene	14.09	228	232944m	9.265	ng	
86) Indeno(1,2,3-cd)pyrene	17.05	276	66685	3.120	ng	# 83
88) Benzo(b)fluoranthene	15.12	252	137659m	7.190	ng	
89) Benzo(k)fluoranthene	15.13	252	51652m	2.834	ng	
90) Benzo(a)pyrene	15.49	252	130907	7.526	ng	# 92
92) Benzo(a,h,i)perylene	17.50	276	94507	6.355	ng	# 91

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

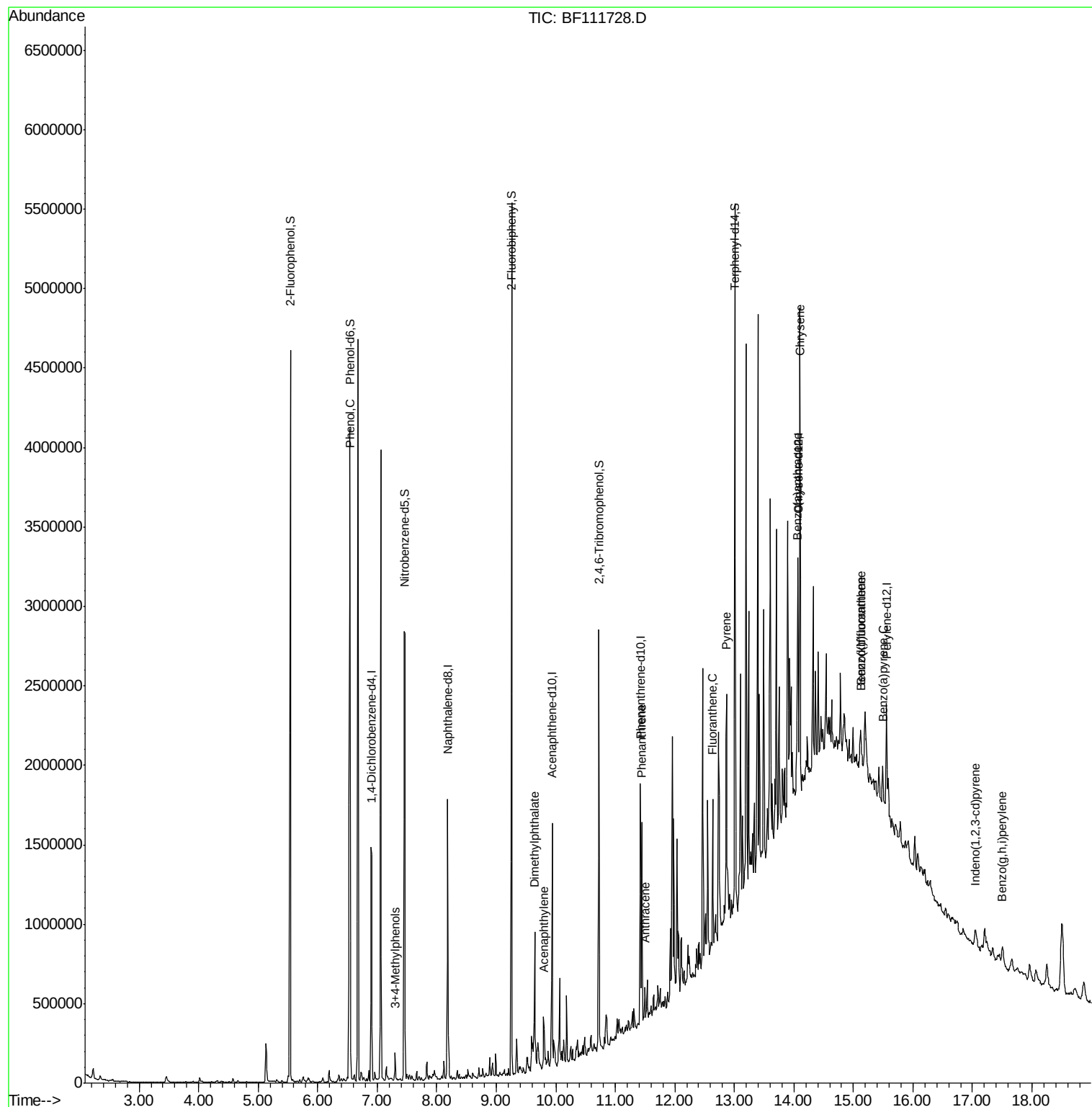
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
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ALS Vial : 10 Sample Multiplier: 1

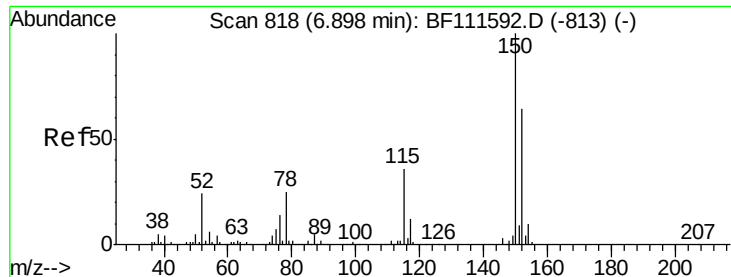
Instrument :
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#1

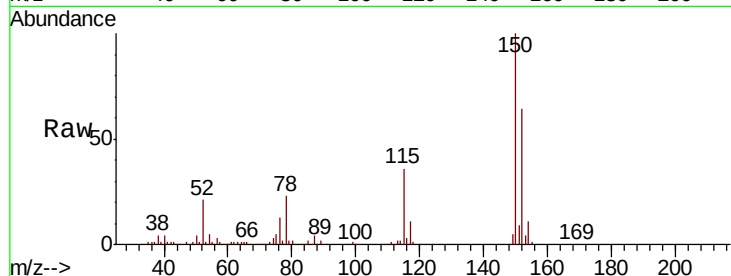
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111728.D
Acq: 26 Dec 2018 21:57

Instrument :
BNA_F
ClientSampleId :
P001-SS008-0612-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	126.6	189.8
115	56.8	50.7	76.1

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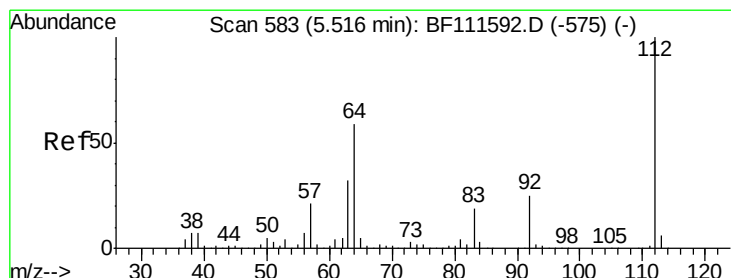
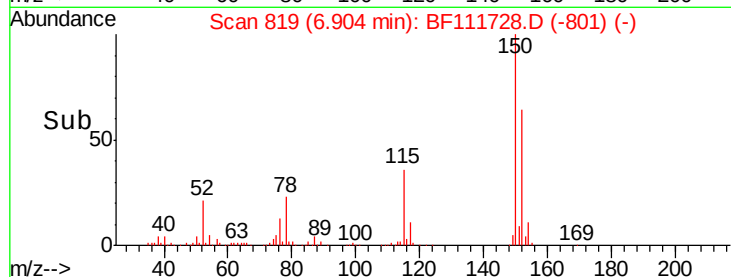
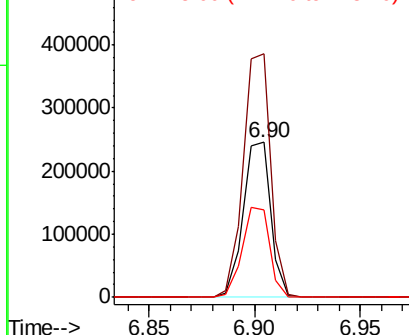


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

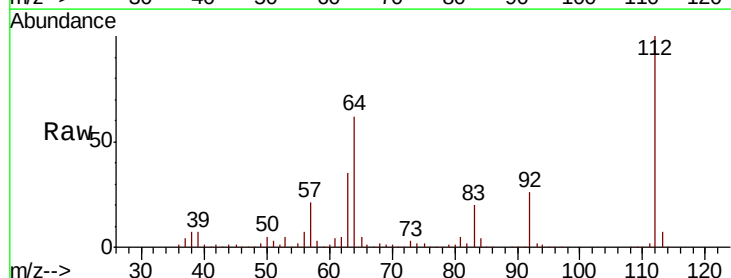
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.961 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111728.D
Acq: 26 Dec 2018 21:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	51.8	77.6
63	34.5	26.8	40.2

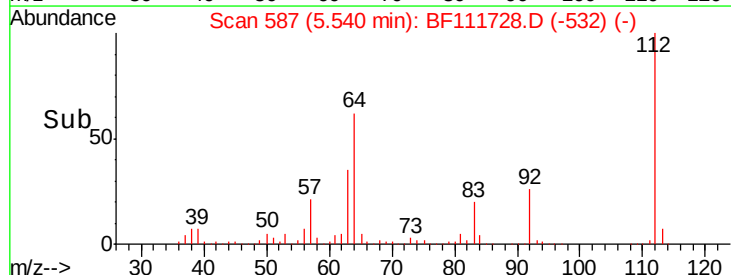
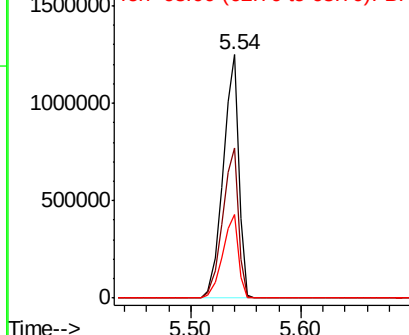


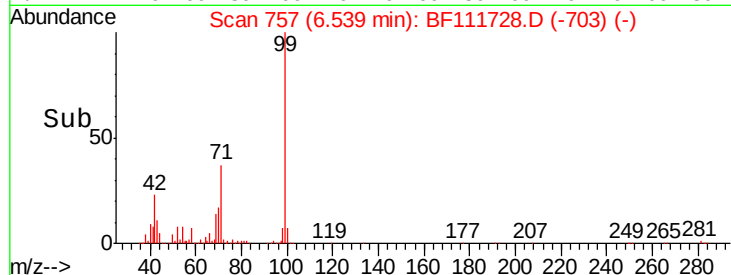
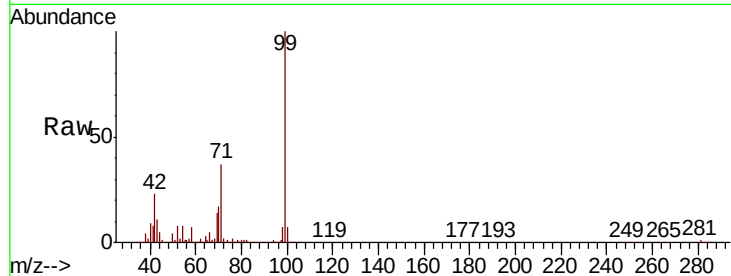
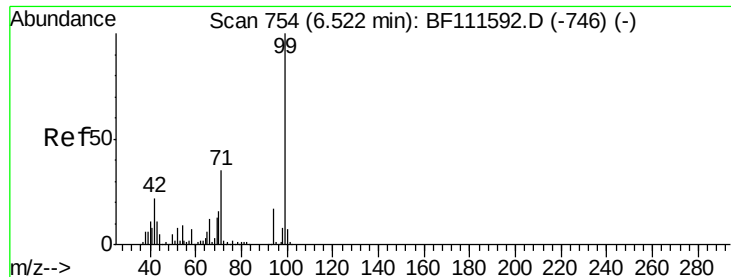
Abundance

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: 93.783 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111728.D

Acq: 26 Dec 2018 21:57

Tot Ion: 99 Resp: 1557226

Ion Ratio Lower Upper

99 100

42 22.6 17.4 26.0

71 37.2 26.1 39.1

Instrument :

BNA_F

ClientSampleId :

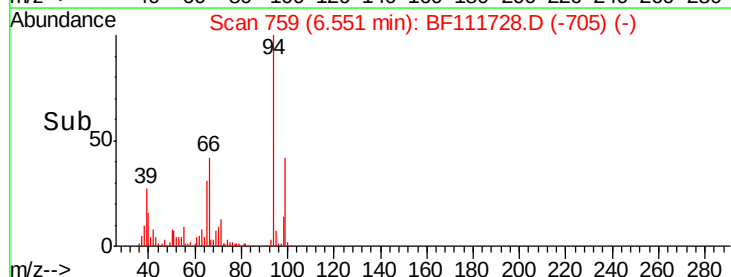
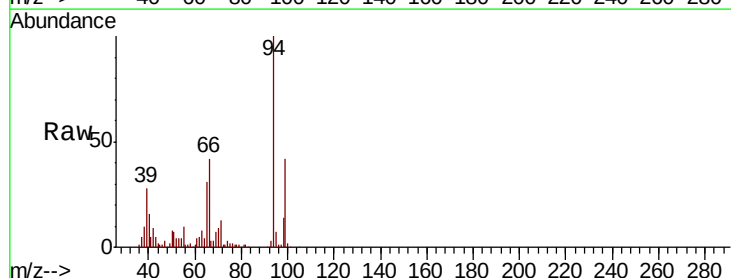
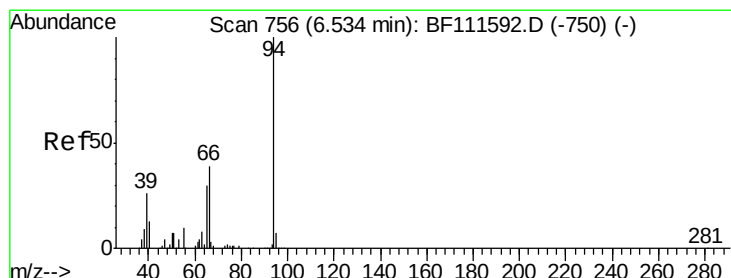
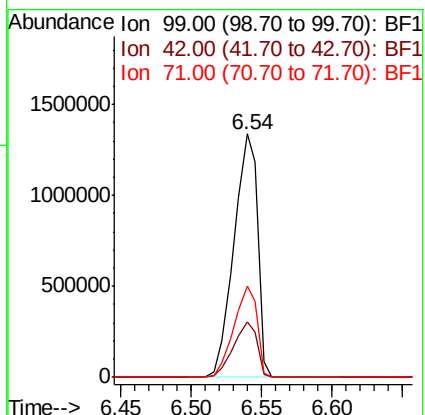
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#10

Phenol

Concen: 6.163 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.02 min

Lab File: BF111728.D

Acq: 26 Dec 2018 21:57

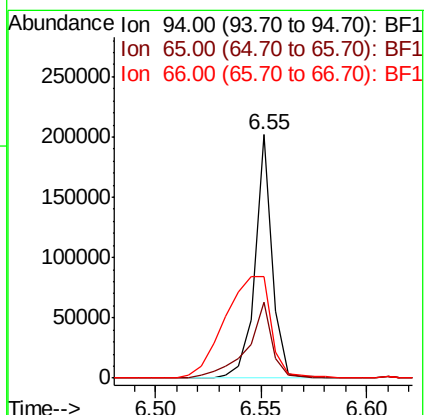
Tgt Ion: 94 Resp: 115456

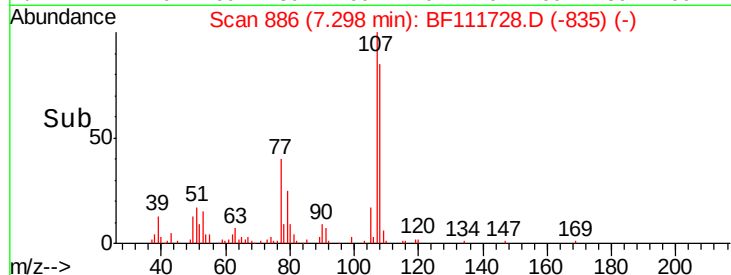
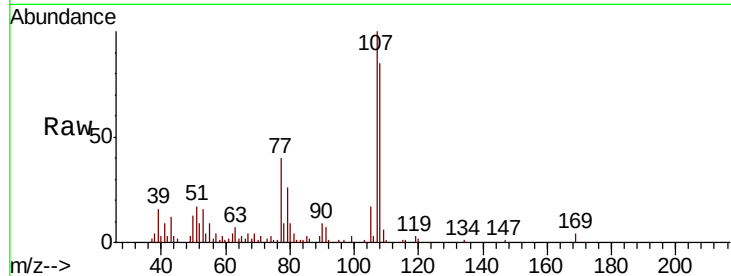
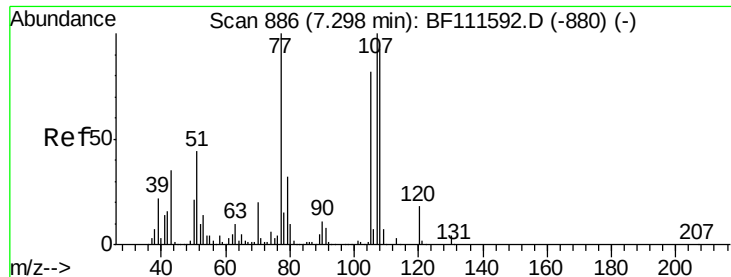
Ion Ratio Lower Upper

94 100

65 31.4 11.7 51.7

66 41.9 21.0 61.0





#20

3+4-Methylphenols

Concen: 2.517 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.00 min

Lab File: BF111728.D

Acq: 26 Dec 2018 21:57

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100			
108	108	84.7	72.1	112.1	
77	77	40.3	94.1	134.1	
79	79	25.7	9.8	49.8	

Instrument :

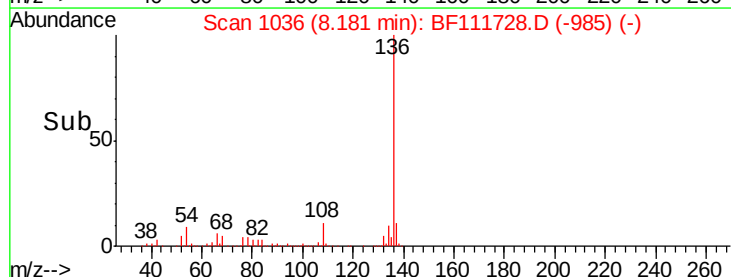
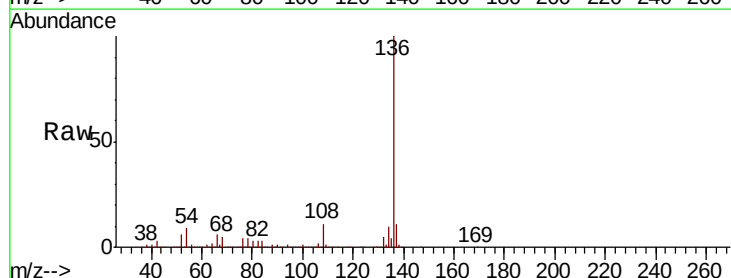
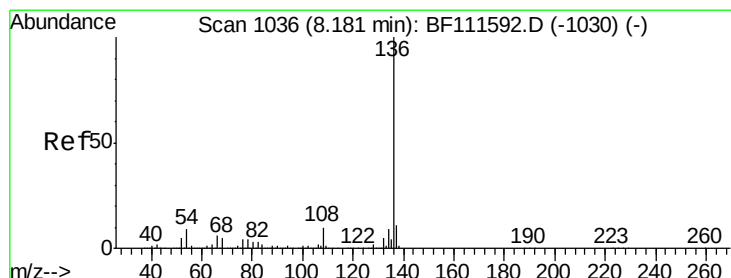
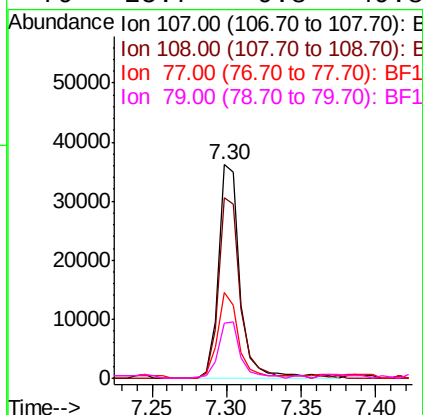
BNA_F

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

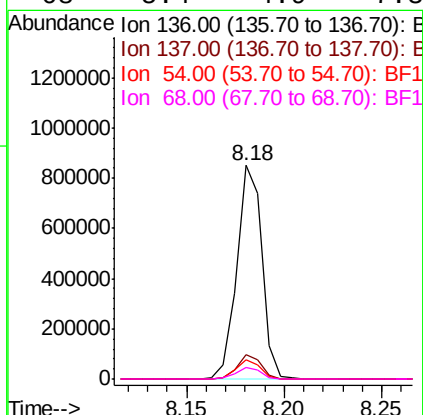
RT: 8.18 min Scan# 1036

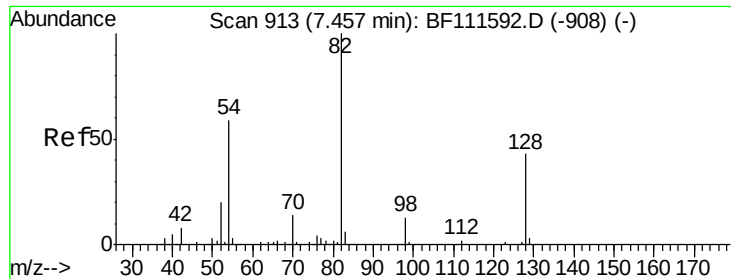
Delta R.T. -0.00 min

Lab File: BF111728.D

Acq: 26 Dec 2018 21:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	136	100			
137	137	11.2	9.1	13.7	
54	54	9.0	7.7	11.5	
68	68	5.4	4.9	7.3	





#23

Nitrobenzene-d5

Concen: 75.715 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF111728.D

Acq: 26 Dec 2018 21:57

Instrument :

BNA_F

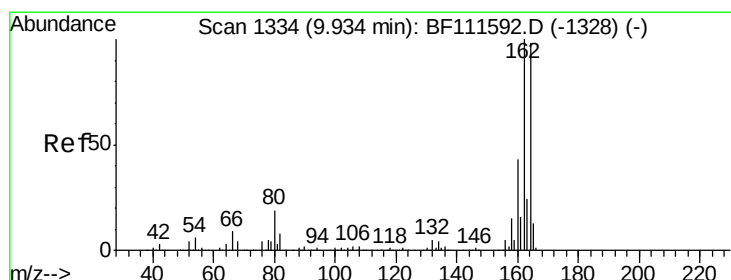
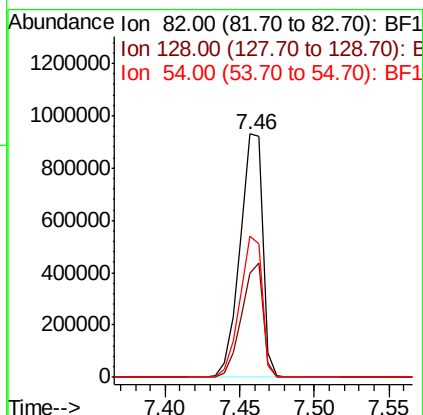
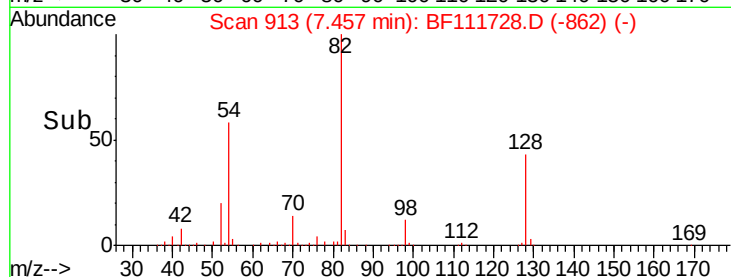
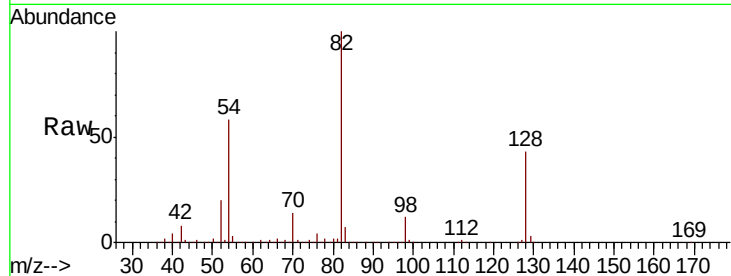
ClientSampleId :

P001-SS008-0612-01

Tot Ion:	82	Resp:	984708
Ion Ratio	Lower	Upper	
82	100		
128	42.6	37.4	56.2
54	57.8	47.6	71.4

Manual Integrations
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#39

Acenaphthene-d10

Concen: 20.000 ng

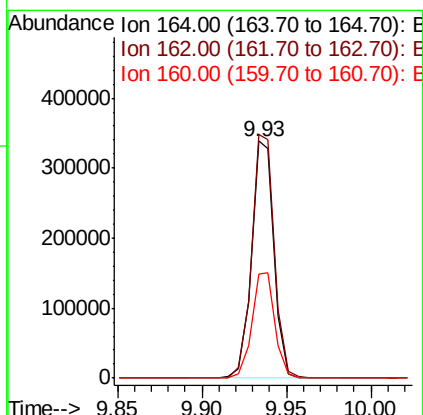
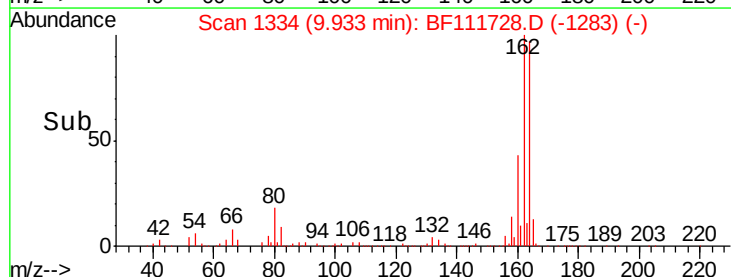
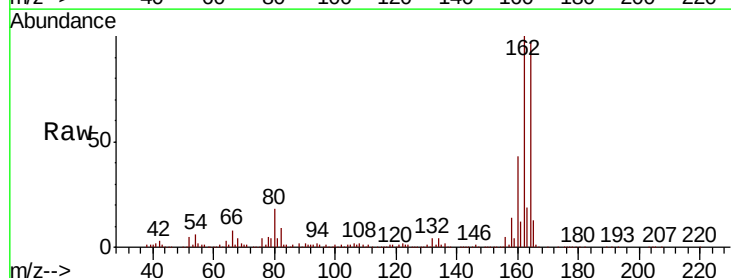
RT: 9.93 min Scan# 1334

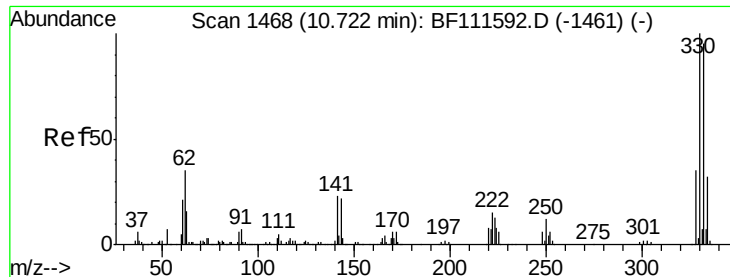
Delta R.T. -0.00 min

Lab File: BF111728.D

Acq: 26 Dec 2018 21:57

Tgt Ion:	164	Resp:	313019
Ion Ratio	Lower	Upper	
164	100		
162	102.7	81.4	122.0
160	43.9	35.7	53.5





#42

2,4,6-Tribromophenol

Concen: 92.711 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF111728.D

Acq: 26 Dec 2018 21:57

Instrument :

BNA_F

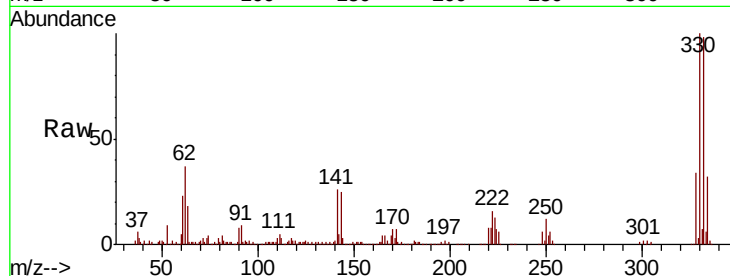
ClientSampleId :

P001-SS008-0612-01

Tot Ion:	330	Resp:	342896
Ion Ratio	Lower	Upper	
330	100		
332	97.4	76.0	114.0
141	30.9	31.0	46.6#

Manual Integrations
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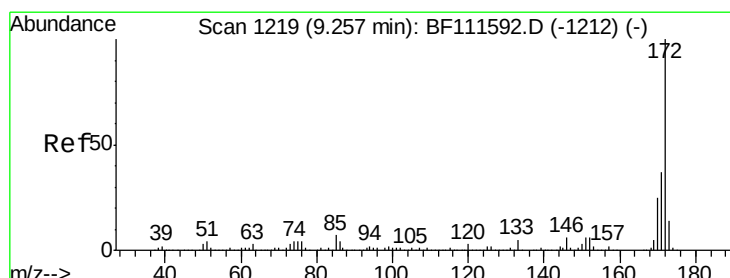
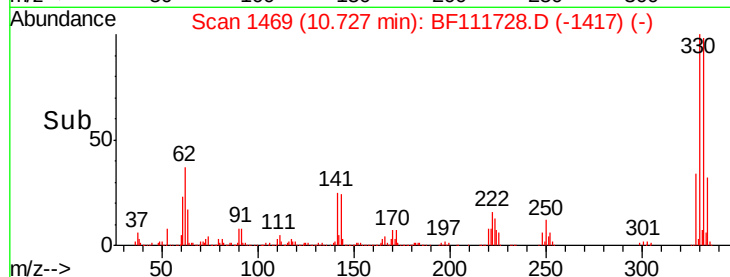
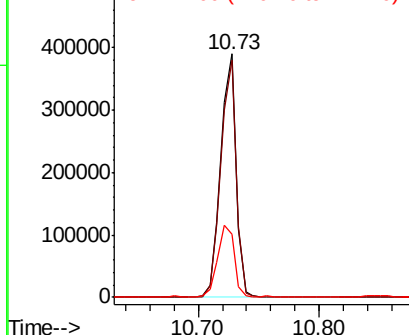


Abundance

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: 74.618 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.00 min

Lab File: BF111728.D

Acq: 26 Dec 2018 21:57

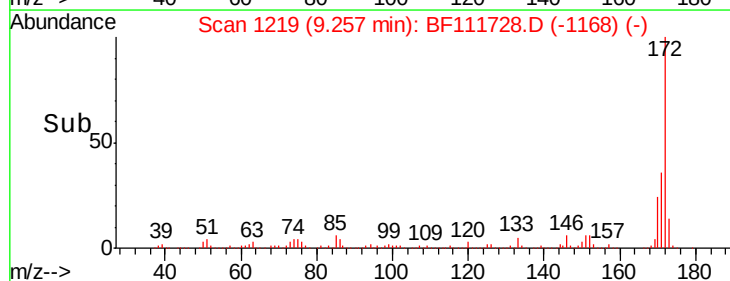
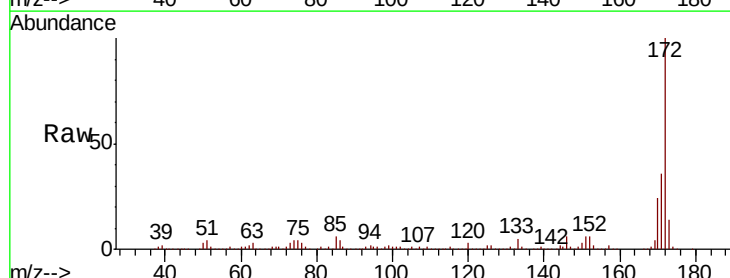
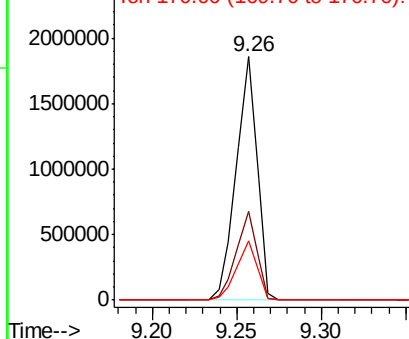
Tgt Ion:	172	Resp:	1602436
Ion Ratio	Lower	Upper	
172	100		
171	36.4	33.0	49.4
170	24.3	22.3	33.5

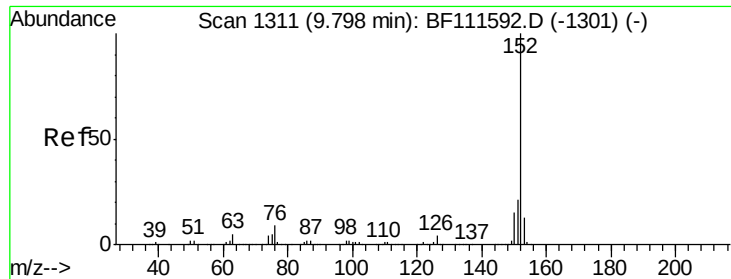
Abundance

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





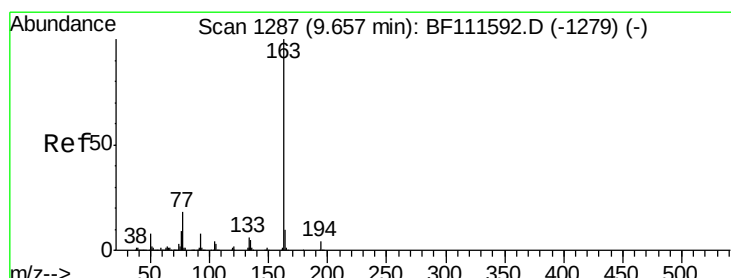
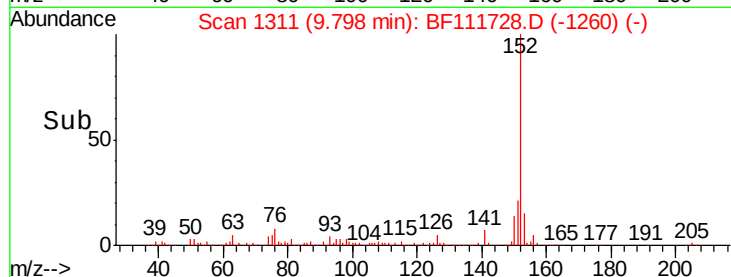
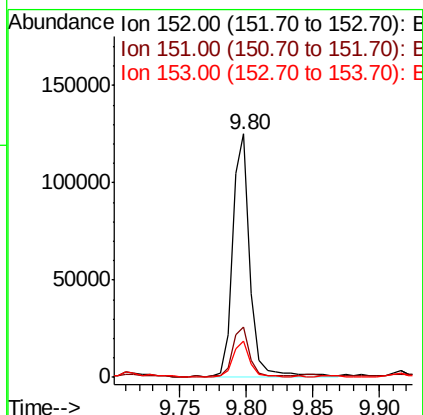
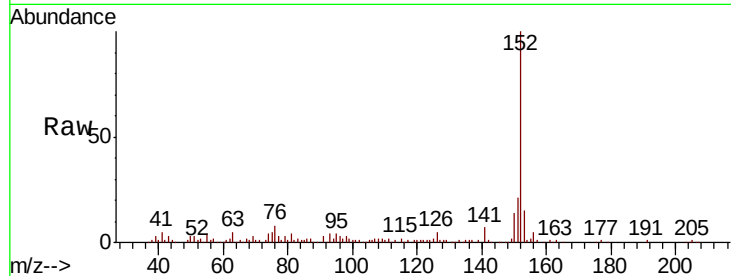
#49
Acenaphthylene
Concen: 3.682 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BF111728.D
Acq: 26 Dec 2018 21:57

Instrument :
BNA_F
ClientSampleId :
P001-SS008-0612-01

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.9	18.0	27.0
153	14.8	12.3	18.5

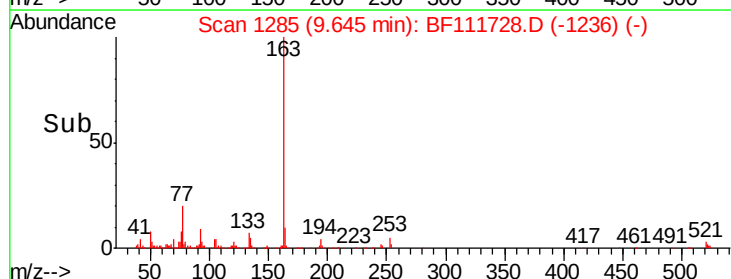
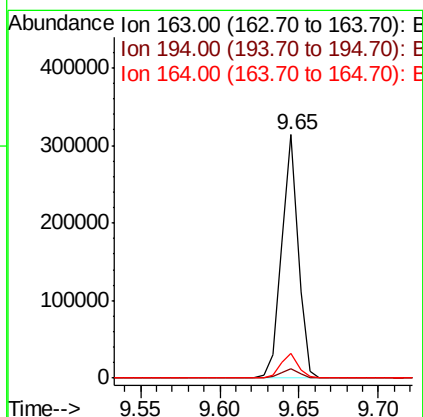
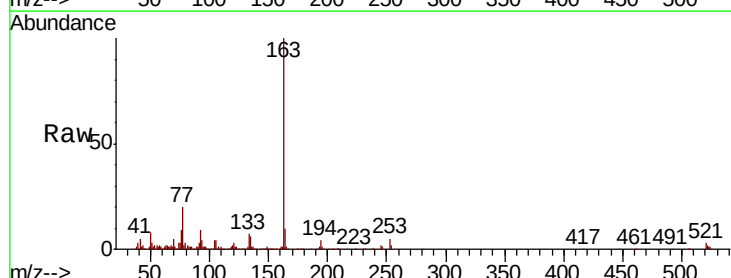
Manual Integrations
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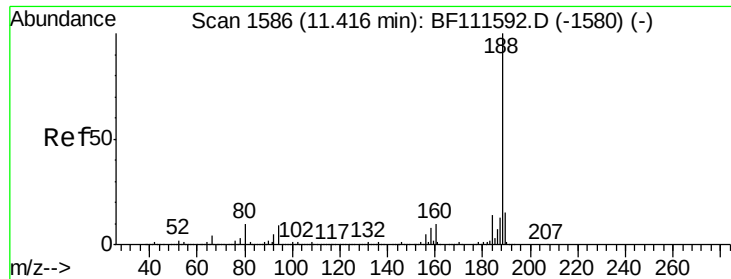
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#50
Dimethylphthalate
Concen: 9.962 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111728.D
Acq: 26 Dec 2018 21:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.0	8.9	13.3





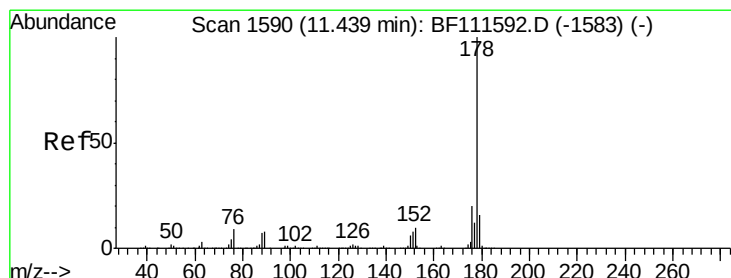
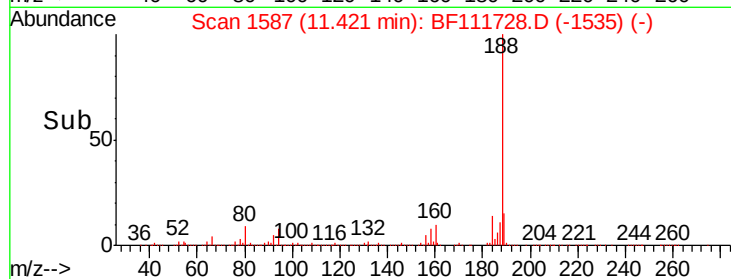
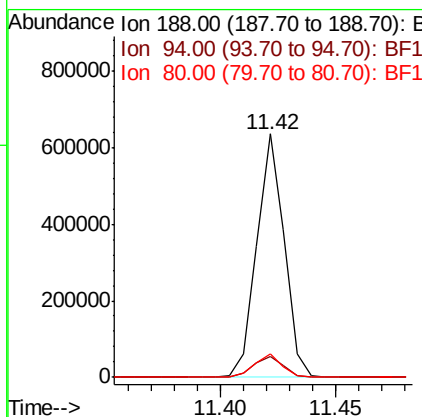
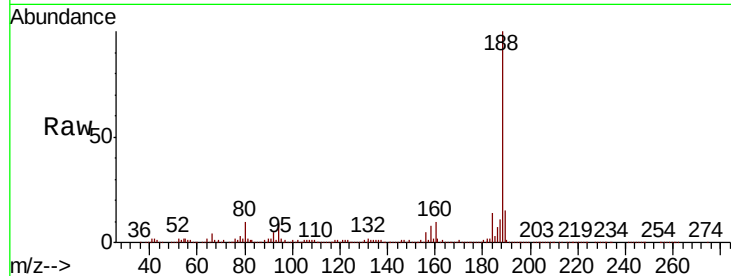
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF111728.D
Acq: 26 Dec 2018 21:57

Instrument :
BNA_F
ClientSampleId :
P001-SS008-0612-01

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.6	9.6	14.4#
80	9.5	9.8	14.6#

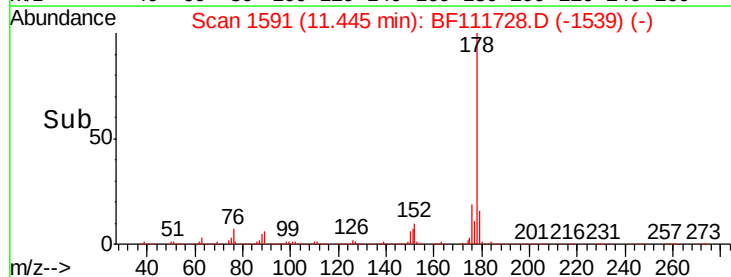
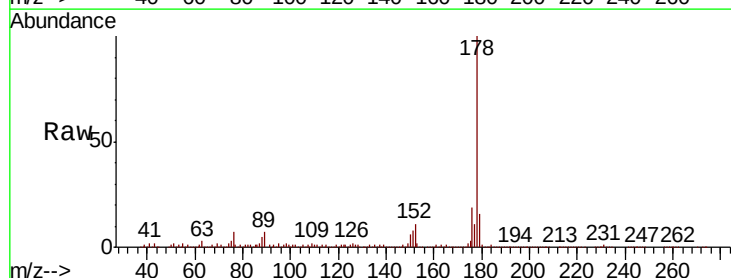
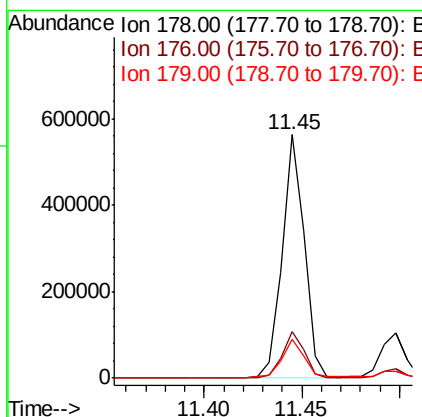
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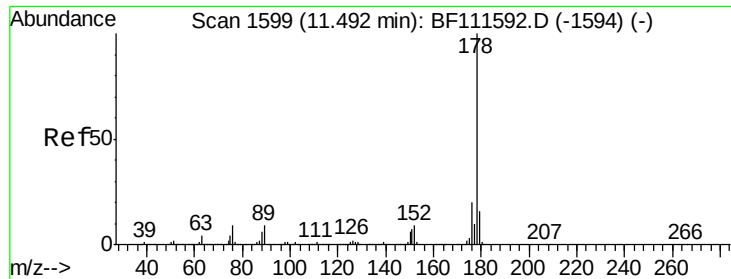
Sohil
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#71
Phenanthrene
Concen: 15.579 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF111728.D
Acq: 26 Dec 2018 21:57

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.9	18.1	27.1
179	16.1	14.0	21.0





#72

Anthracene

Concen: 3.132 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BF111728.D

Acq: 26 Dec 2018 21:57

Instrument :

BNA_F

ClientSampleId :

P001-SS008-0612-01

Tot Ion:178 Resp: 88015

Ion Ratio Lower Upper

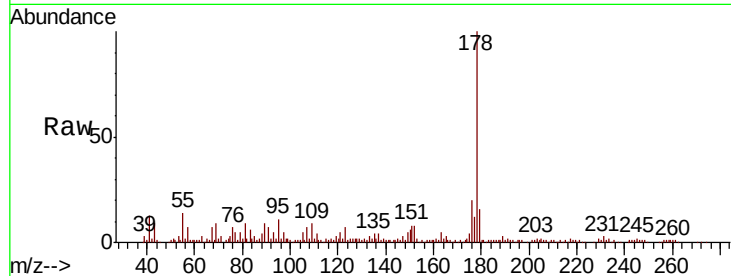
178 100

176 19.7 17.2 25.8

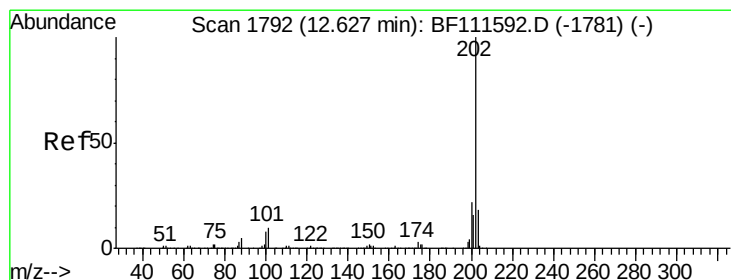
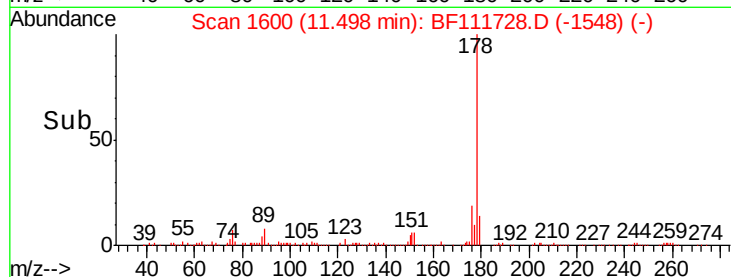
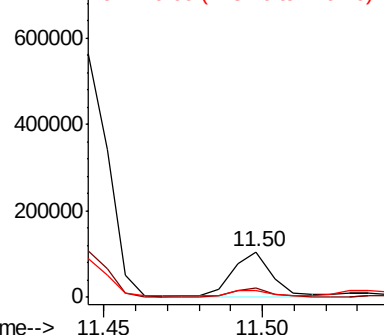
179 16.0 13.8 20.8

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 12.568 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF111728.D

Acq: 26 Dec 2018 21:57

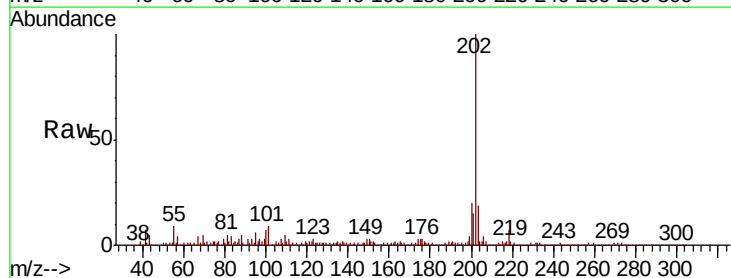
Tgt Ion:202 Resp: 356325

Ion Ratio Lower Upper

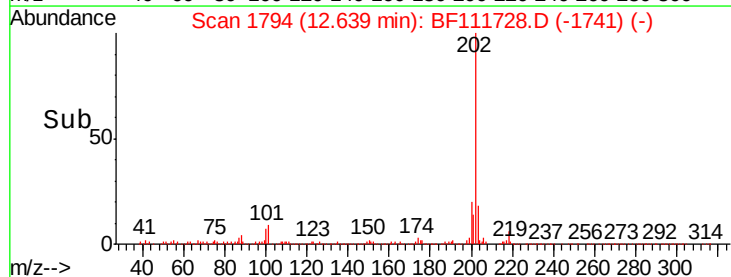
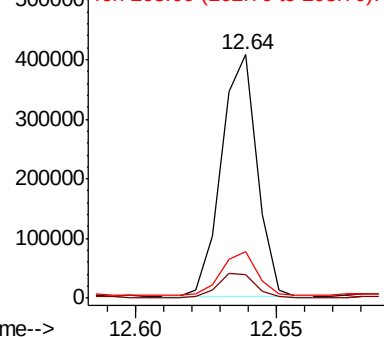
202 100

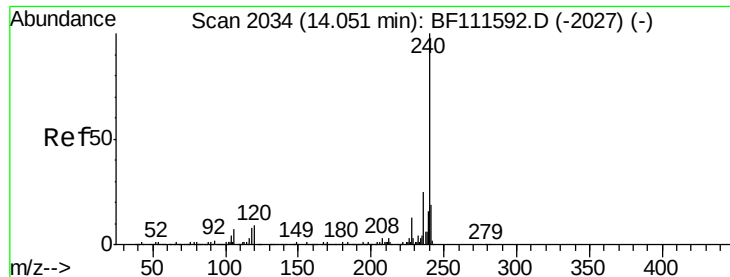
101 9.4 0.0 33.8

203 18.9 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





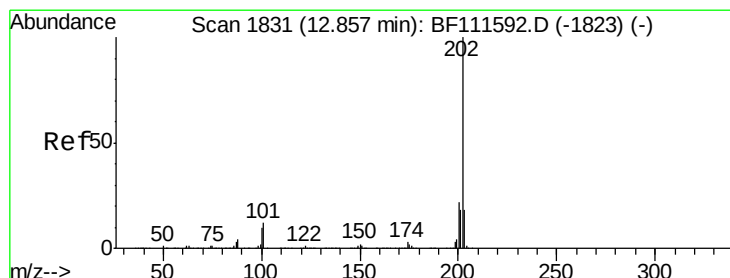
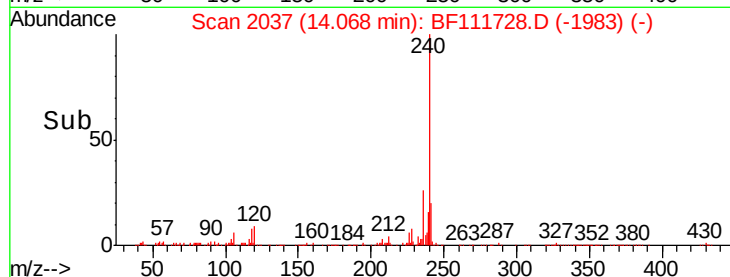
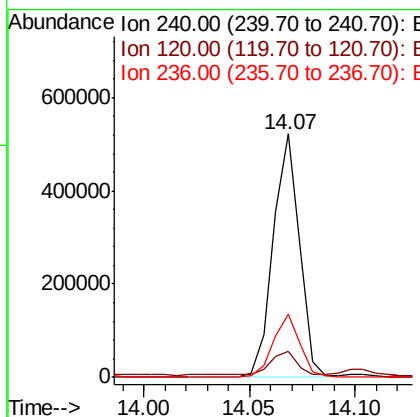
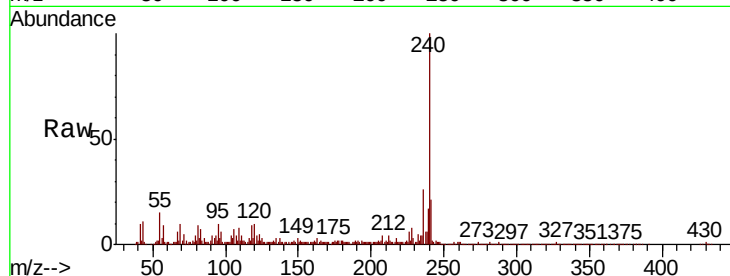
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.02 min
Lab File: BF111728.D
Acq: 26 Dec 2018 21:57

Instrument :
BNA_F
ClientSampleId :
P001-SS008-0612-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.5	12.2	18.2#
236	26.1	20.2	30.2

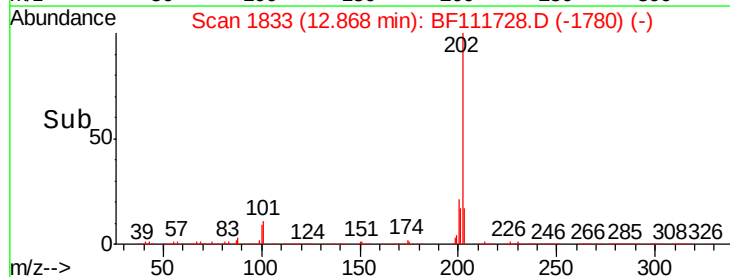
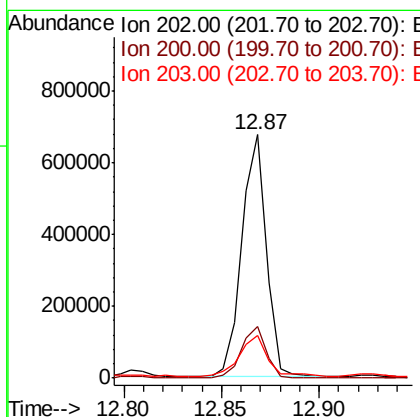
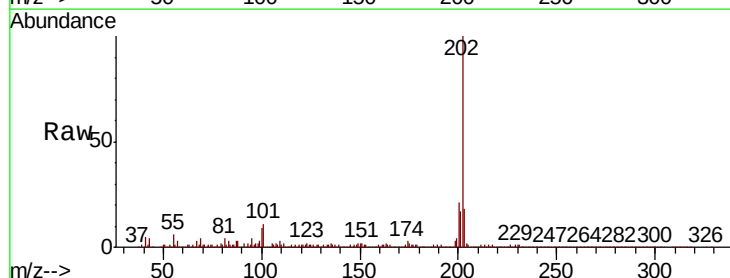
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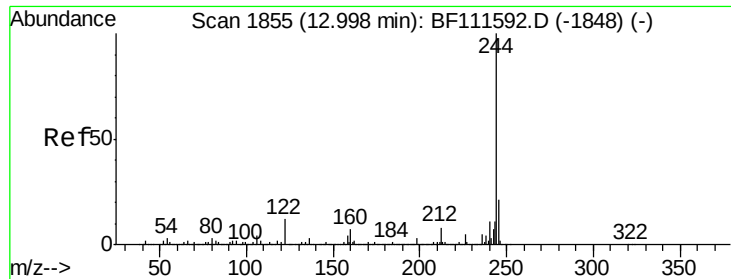
Sohil
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#78
Pyrene
Concen: 18.676 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF111728.D
Acq: 26 Dec 2018 21:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	19.0	28.4
203	17.6	15.2	22.8





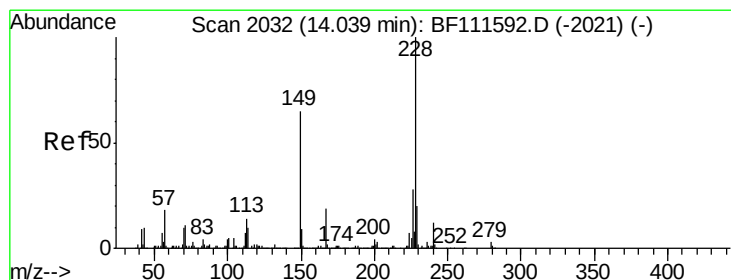
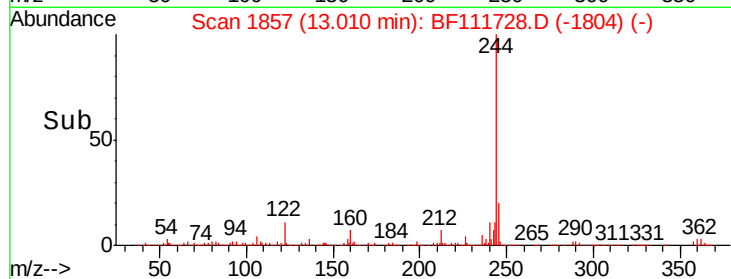
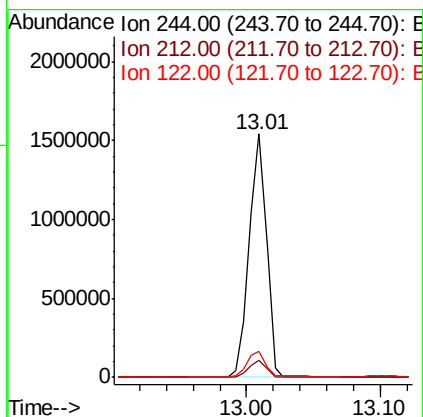
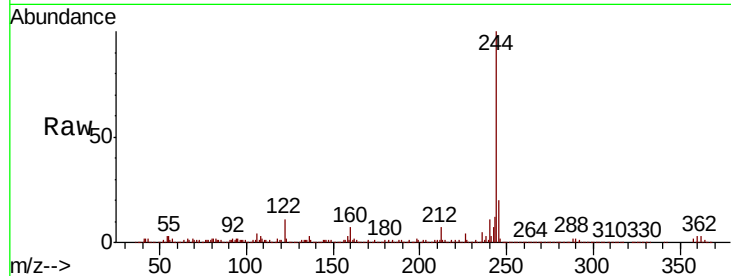
#79
 Terphenyl-d14
 Concen: 57.520 ng
 RT: 13.01 min Scan# 1857
 Delta R.T. 0.01 min
 Lab File: BF111728.D
 Acq: 26 Dec 2018 21:57

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS008-0612-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	10.8	13.1	19.7#

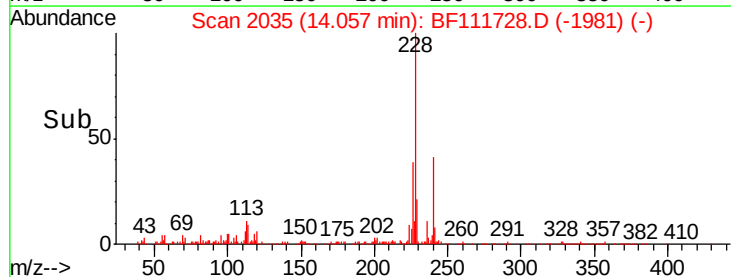
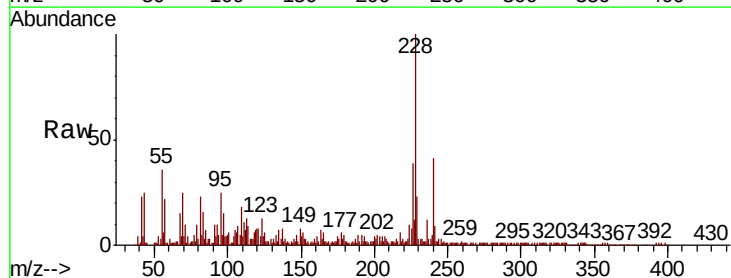
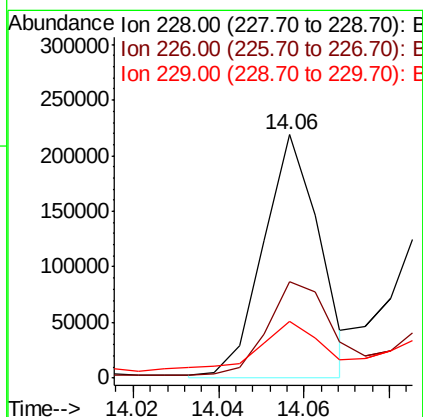
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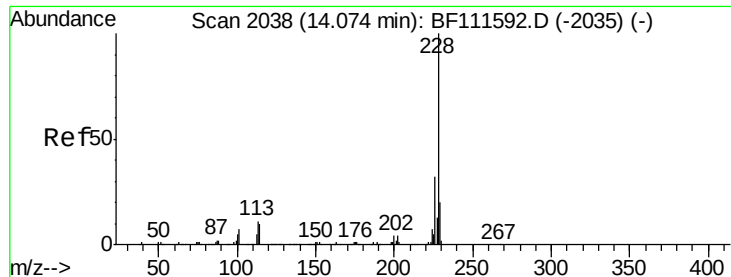
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#81
 Benzo(a)anthracene
 Concen: 7.816 ng m
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.02 min
 Lab File: BF111728.D
 Acq: 26 Dec 2018 21:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	39.5	22.6	34.0#
229	23.4	16.3	24.5





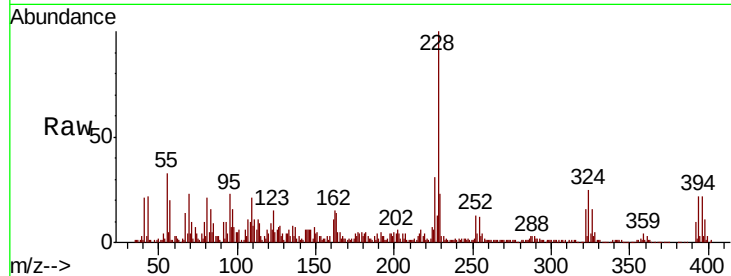
#83
Chrysene
Concen: 9.265 ng/ml
RT: 14.09 min Scan# 2041
Delta R.T. 0.02 min
Lab File: BF111728.D
Acq: 26 Dec 2018 21:57

Instrument :
BNA_F
ClientSampleId :
P001-SS008-0612-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.3	37.9
229	22.9	17.2	25.8

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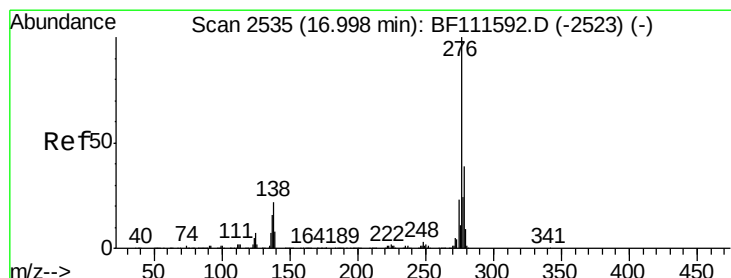
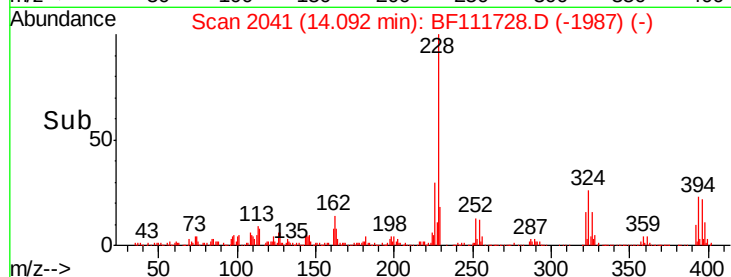
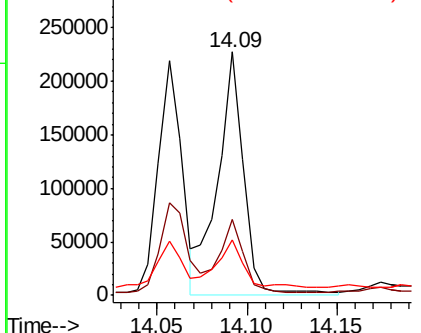


Abundance

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



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.120 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.05 min
Lab File: BF111728.D
Acq: 26 Dec 2018 21:57

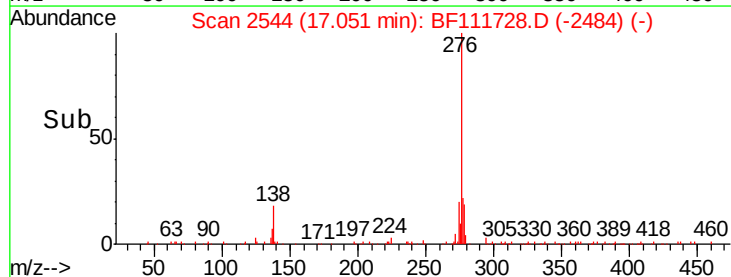
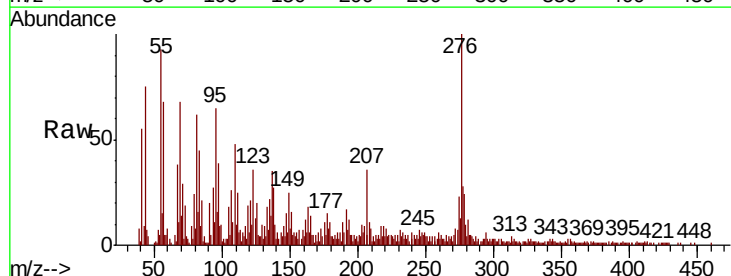
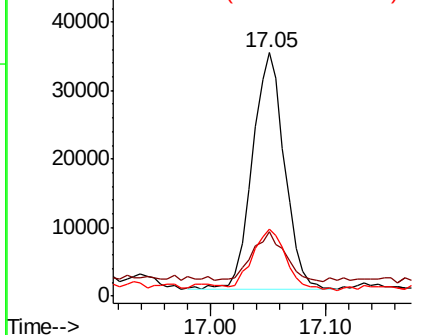
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.0	27.8	41.6#
277	28.5	20.1	30.1

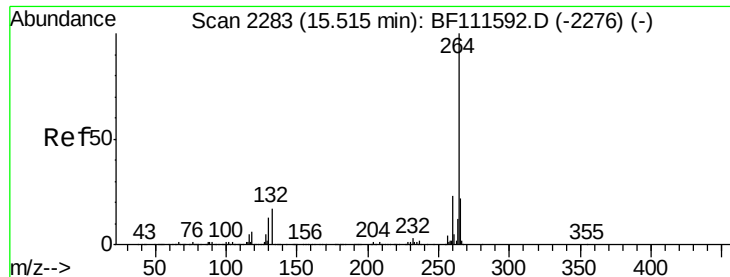
Abundance

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





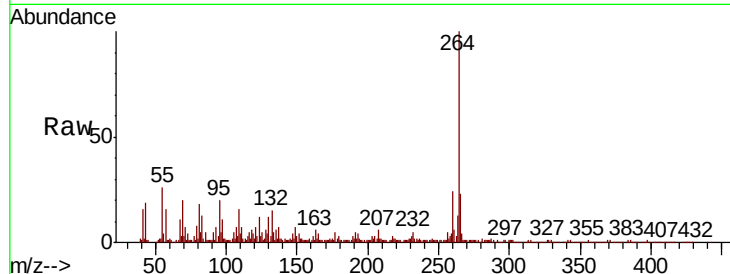
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.04 min
Lab File: BF111728.D
Acq: 26 Dec 2018 21:57

Instrument :
BNA_F
ClientSampleId :
P001-SS008-0612-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.3	27.5
265	23.2	17.7	26.5

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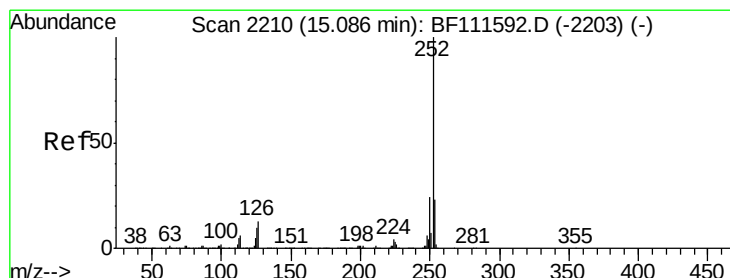
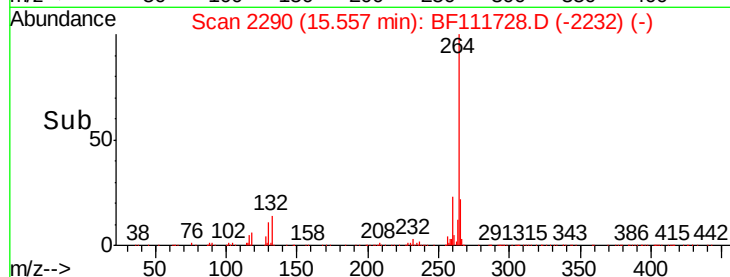
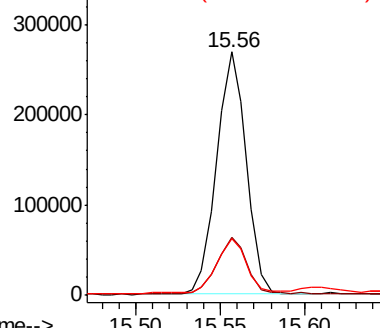


Abundance

Ion 264.00 (263.70 to 264.70): E

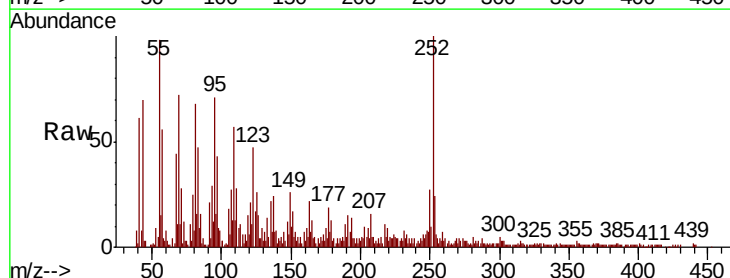
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 7.190 ng m
RT: 15.12 min Scan# 2216
Delta R.T. 0.04 min
Lab File: BF111728.D
Acq: 26 Dec 2018 21:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	26.2	10.4	15.6#

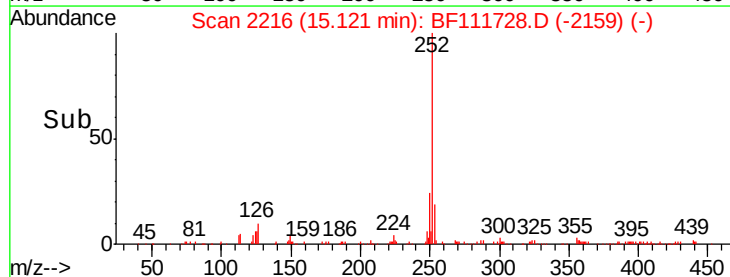
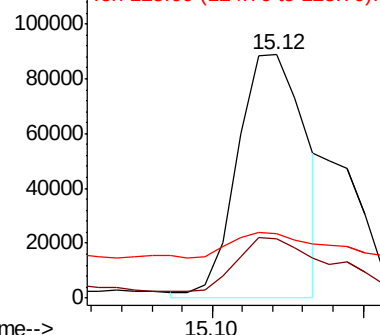


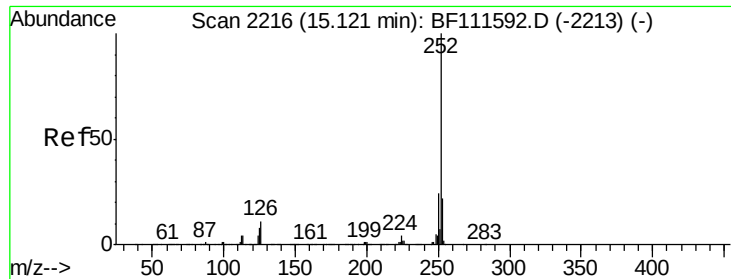
Abundance

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





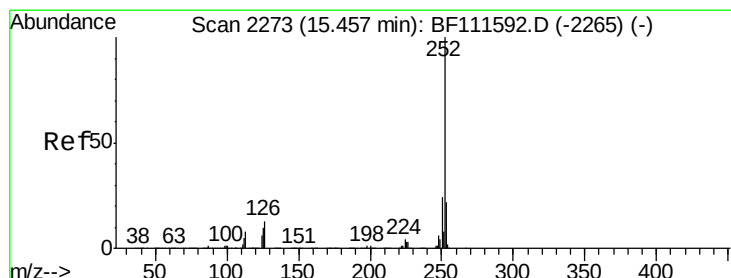
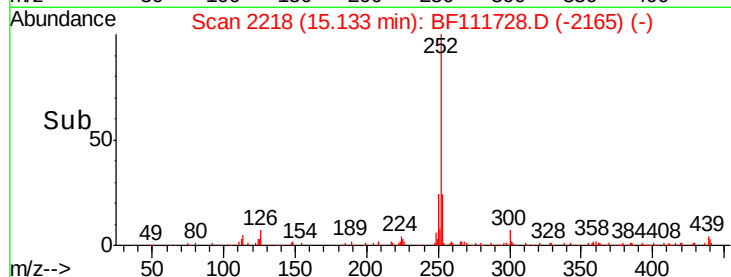
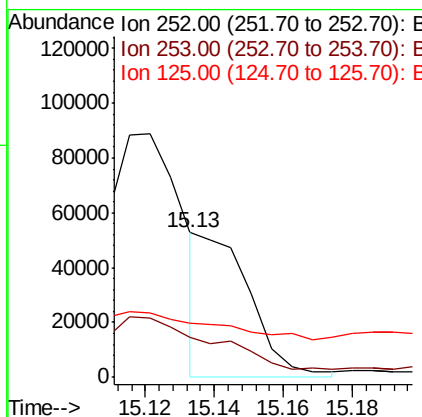
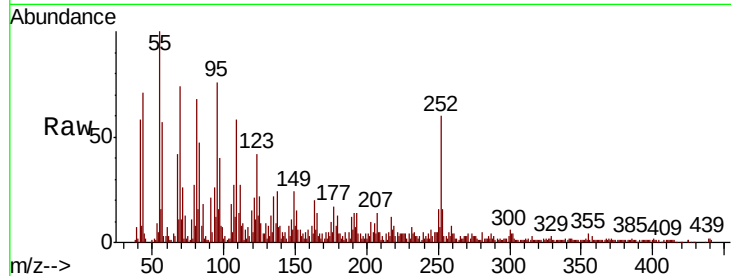
#89
Benzo(k)fluoranthene
Concen: 2.834 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF111728.D
Acq: 26 Dec 2018 21:57

Instrument :
BNA_F
ClientSampleId :
P001-SS008-0612-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.7	18.1	27.1#
125	37.8	9.8	14.8#

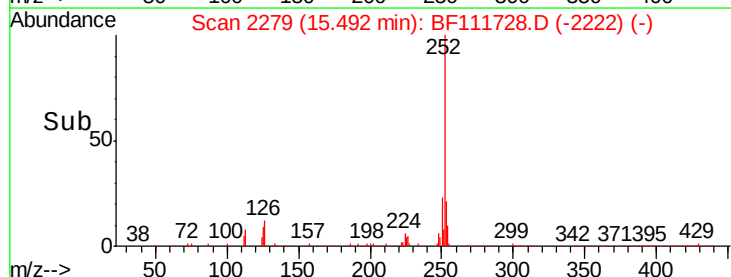
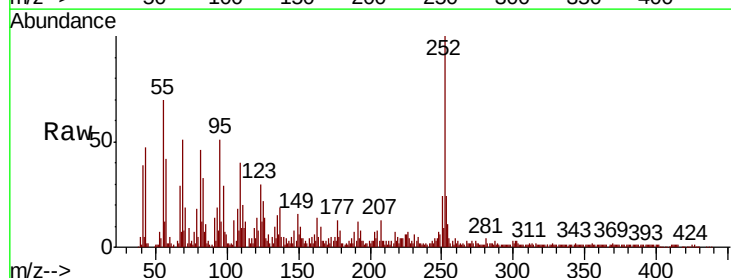
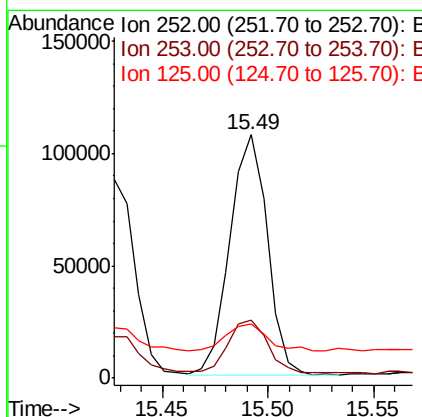
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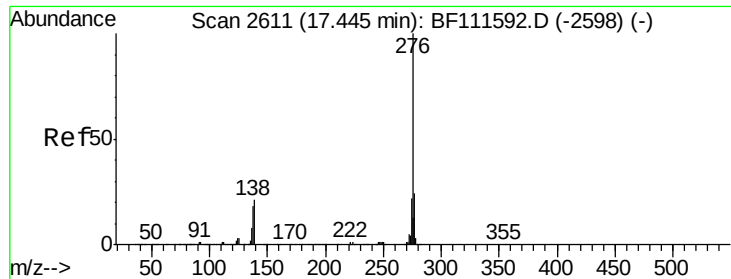
Sohil
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#90
Benzo(a)pyrene
Concen: 7.526 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.04 min
Lab File: BF111728.D
Acq: 26 Dec 2018 21:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	22.1	12.3	18.5#





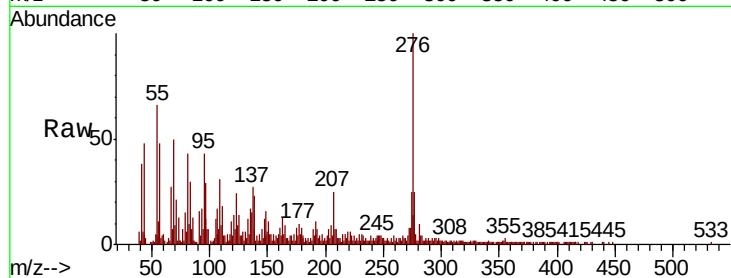
#92
 Benzo(a,h,i)perylene
 Concen: 6.355 ng
 RT: 17.50 min Scan# 2621
 Delta R.T. 0.06 min
 Lab File: BF111728.D
 Acq: 26 Dec 2018 21:57

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS008-0612-01

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.4	19.2	28.8	
138	23.3	24.9	37.3	

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

