

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
 Data File : BF111621.D
 Acq On : 20 Dec 2018 5:31
 Operator : JU/SJ
 Sample : J6340-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05A

Manual Integrations
 APPROVED

Sohil
 12/20/2018 12:42:46 PM

Quant Time: Dec 20 08:12:34 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	198445	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	688919	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	318302	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	577286	20.00	ng	0.00
76) Chrysene-d12	14.05	240	508941	20.00	ng	0.00
87) Perylene-d12	15.52	264	356383	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1502186	129.03	ng	0.01
7) Phenol-d6	6.53	99	1893159	127.77	ng	0.00
23) Nitrobenzene-d5	7.46	82	1169420	98.81	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	492458	130.94	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	2091347	95.77	ng	0.00
79) Terphenyl-d14	13.00	244	2069509	77.11	ng	0.00
Target Compounds						
10) Phenol	6.54	94	98843	5.913	ng	94
31) Naphthalene	8.20	128	97417	2.943	ng	95
37) 2-Methylnaphthalene	8.89	142	54127	2.513	ng	97
38) 1-Methylnaphthalene	8.99	142	42478	2.054	ng	100
50) Dimethylphthalate	9.64	163	248626	10.681	ng	97
75) Fluoranthene	12.63	202	533349	17.203	ng	95
78) Pyrene	12.86	202	445946	12.408	ng	96
81) Benzo(a)anthracene	14.04	228	187732	6.463	ng	96
83) Chrysene	14.07	228	293084	10.267	ng	98
86) Indeno(1,2,3-cd)pyrene	17.00	276	62255	2.565	ng	# 85
88) Benzo(b)fluoranthene	15.09	252	278354m	13.364	ng	
89) Benzo(k)fluoranthene	15.12	252	77234m	3.895	ng	
90) Benzo(a)pyrene	15.46	252	90751	4.796	ng	94
92) Benzo(a,h,i)perylene	17.44	276	56195m	3.473	ng	

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

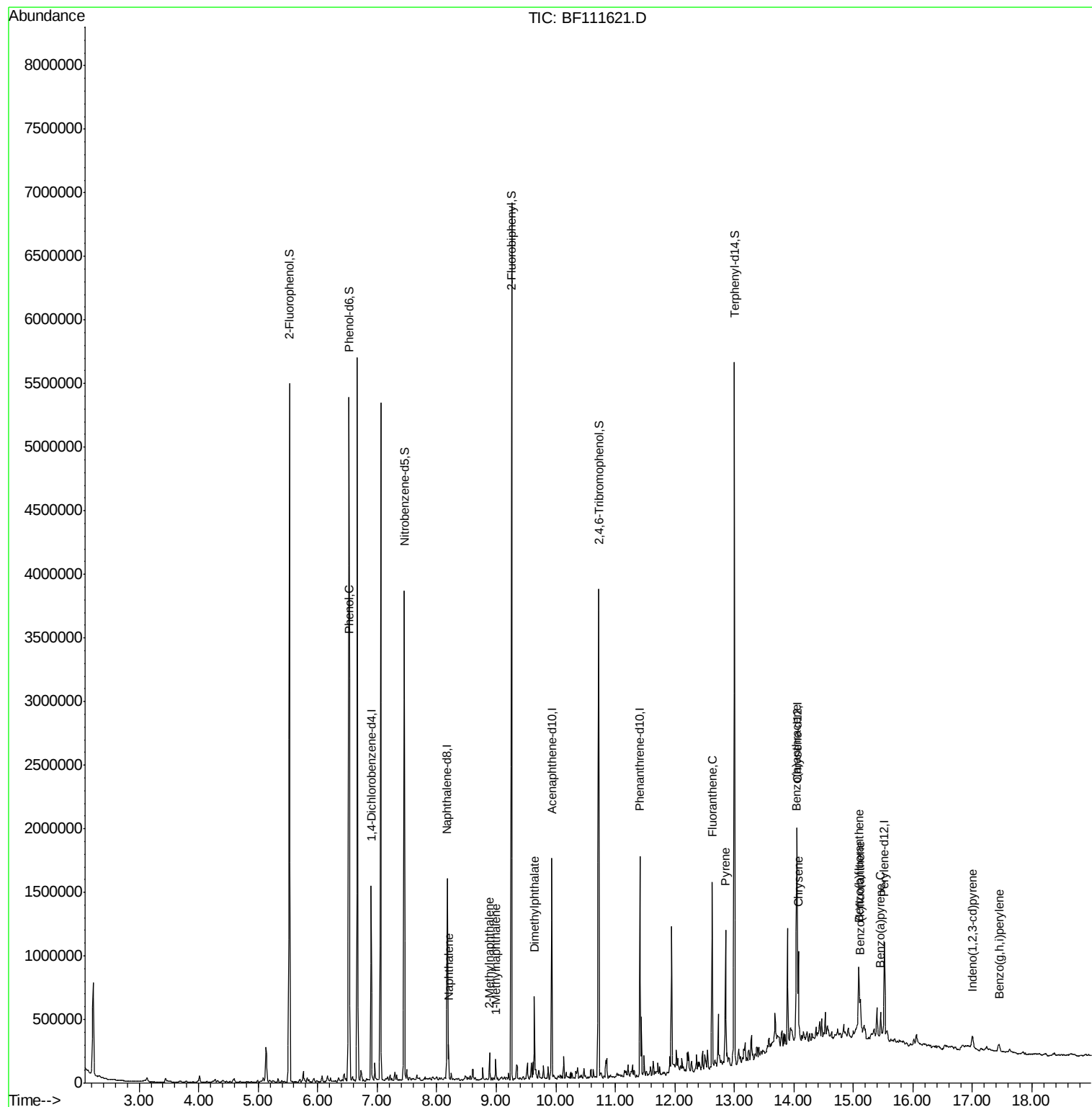
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
Data File : BF111621.D
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Sample : J6340-07
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ALS Vial : 25 Sample Multiplier: 1

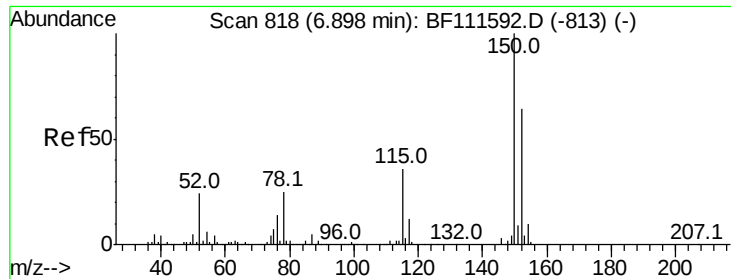
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
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#1

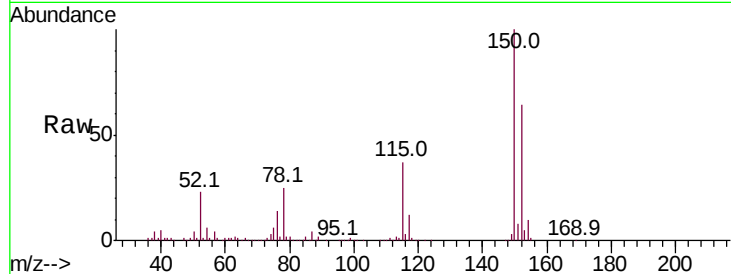
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Instrument :
BNA_F
ClientSampled :
SB-05A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.6	189.8
115	57.6	50.7	76.1

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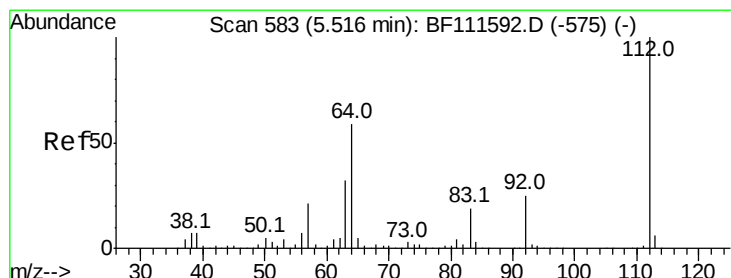
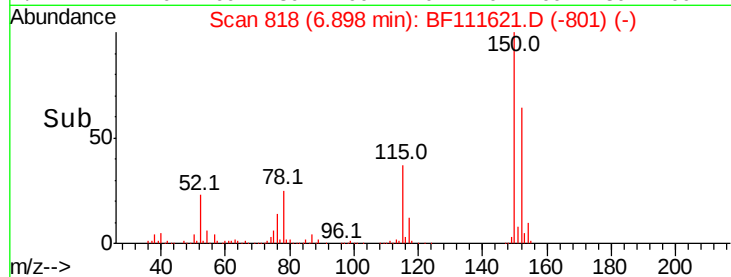
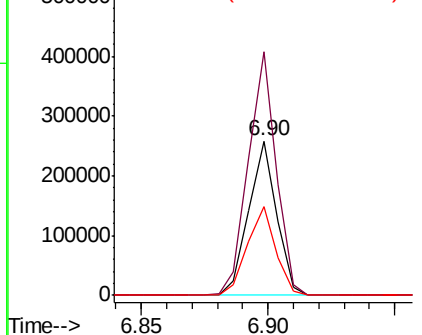


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

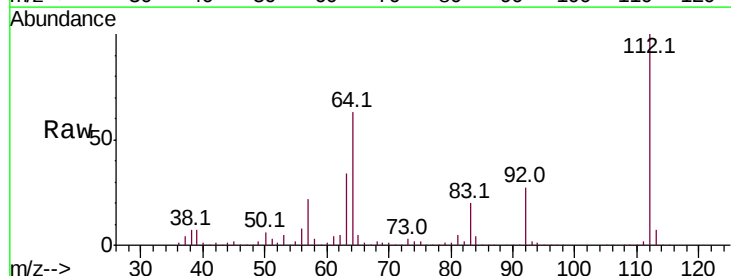
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 129.030 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	51.8	77.6
63	34.4	26.8	40.2

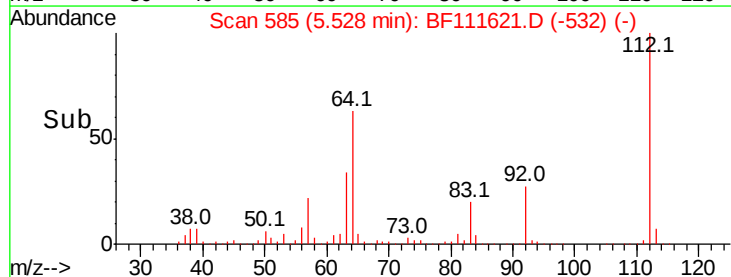
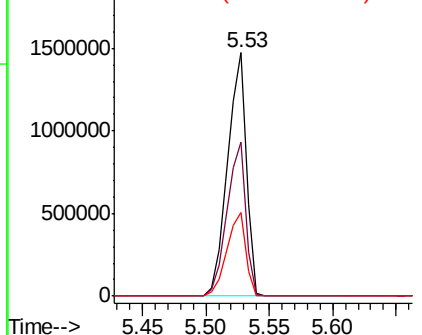


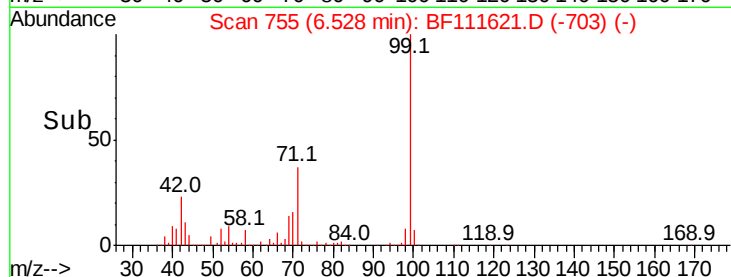
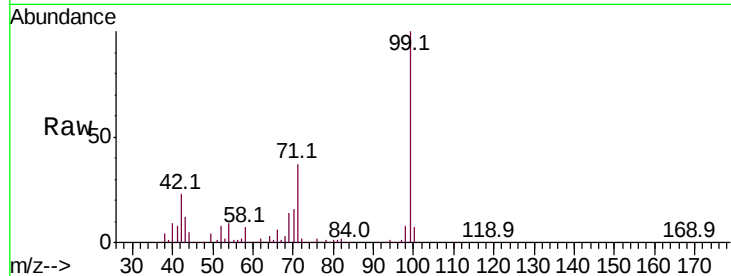
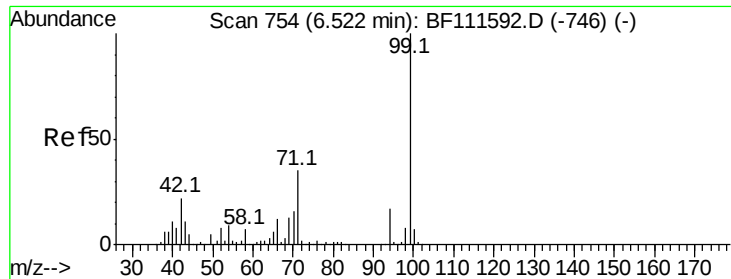
Abundance

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: 127.774 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF111621.D

Acq: 20 Dec 2018 5:31

Tot Ion: 99 Resp: 1893159

Ion Ratio Lower Upper

99 100

42 23.1 17.4 26.0

71 36.7 26.1 39.1

Instrument :

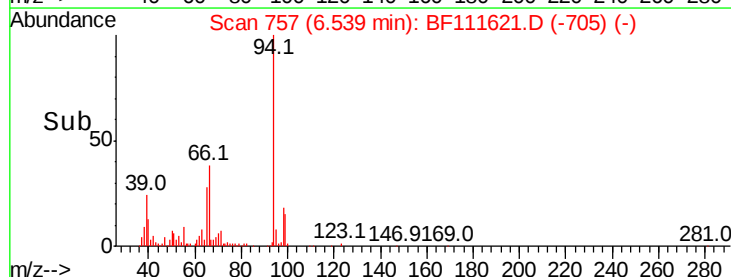
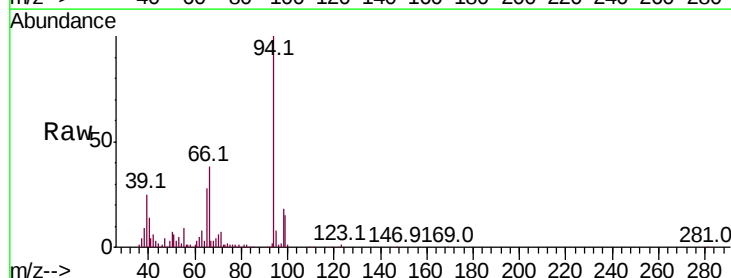
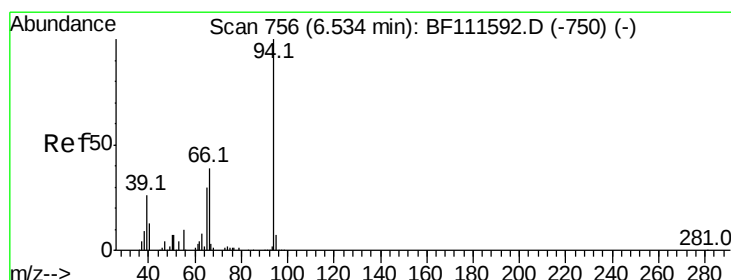
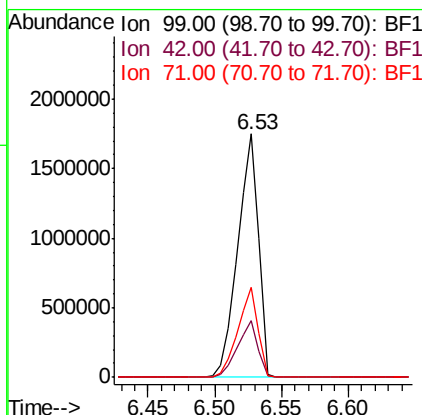
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ClientSampleId :

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#10

Phenol

Concen: 5.913 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.01 min

Lab File: BF111621.D

Acq: 20 Dec 2018 5:31

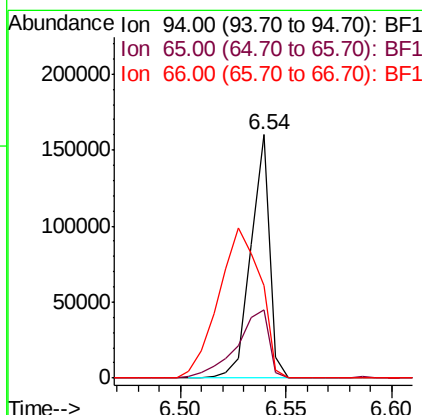
Tgt Ion: 94 Resp: 98843

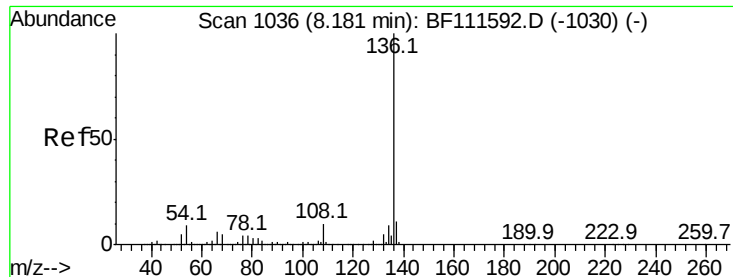
Ion Ratio Lower Upper

94 100

65 27.8 11.7 51.7

66 38.0 21.0 61.0





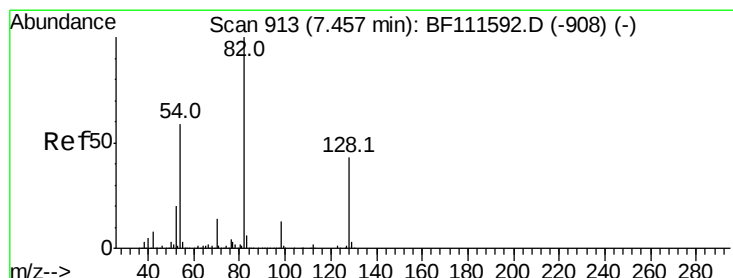
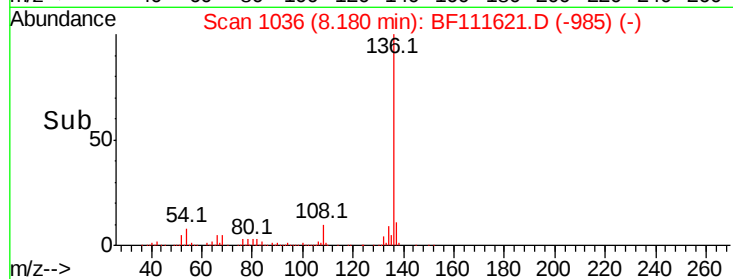
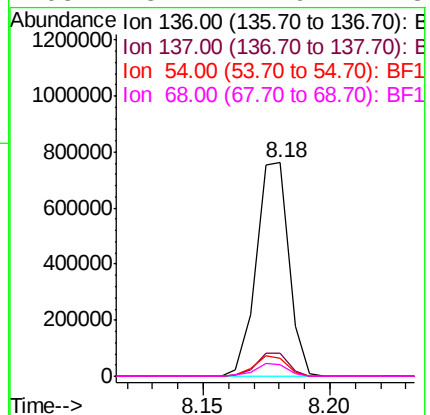
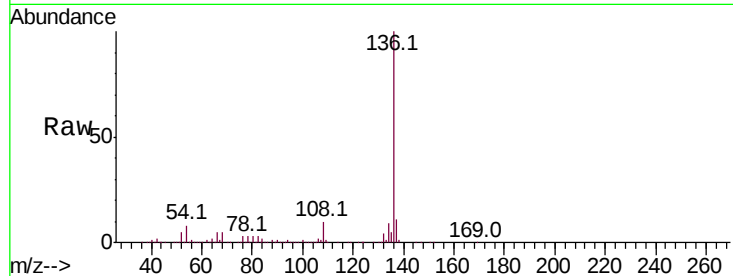
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Instrument :
BNA_F
ClientSampleId :
SB-05A

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	9.1	13.7	
54	8.4	7.7	11.5	
68	5.1	4.9	7.3	

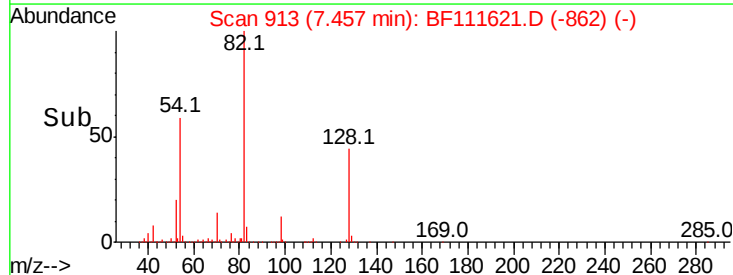
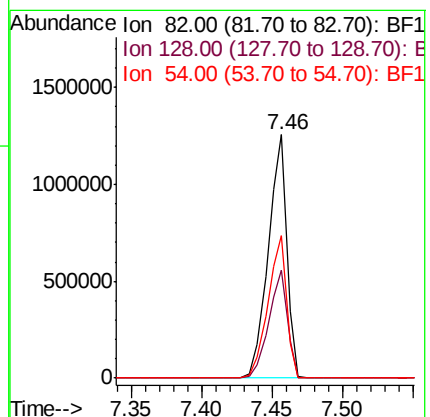
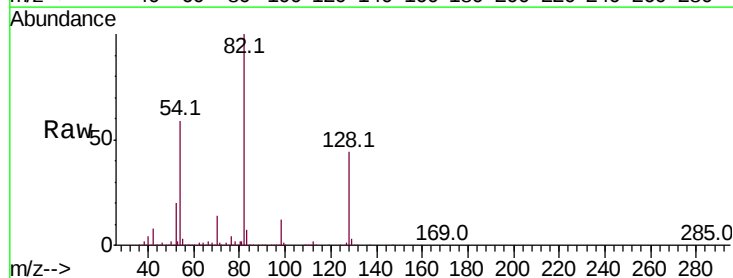
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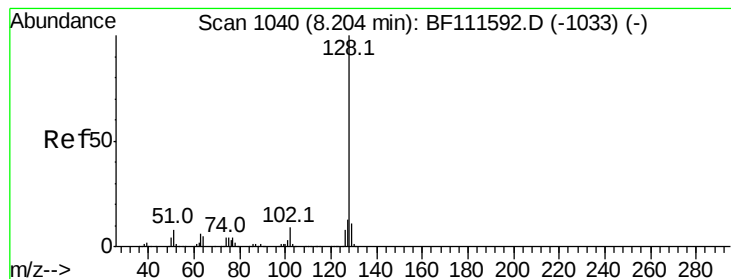
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#23
Nitrobenzene-d5
Concen: 98.806 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.1	37.4	56.2	
54	58.5	47.6	71.4	





#31

Naphthalene

Concen: 2.943 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF111621.D

Acq: 20 Dec 2018 5:31

Instrument :

BNA_F

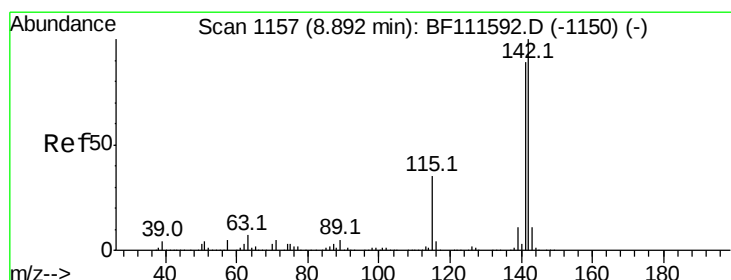
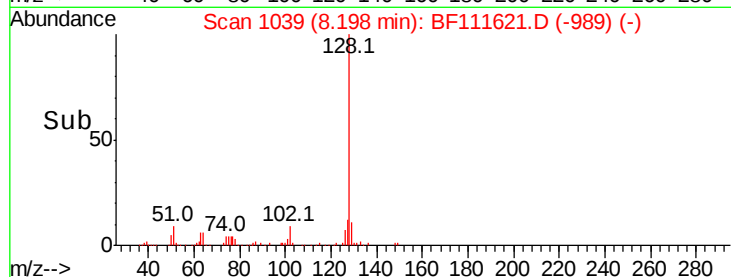
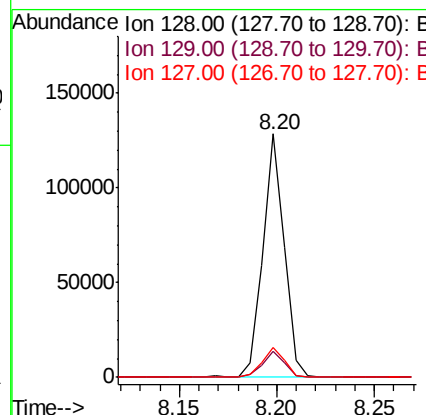
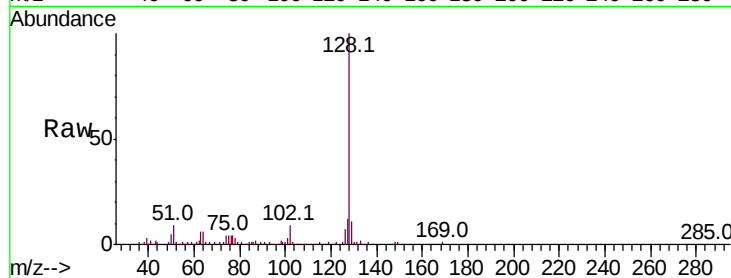
ClientSampleId :

SB-05A

Tot Ion:	128	Resp:	97417
Ion Ratio	Lower	Upper	
128	100		
129	10.8	9.8	14.8
127	12.1	12.0	18.0

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#37

2-Methylnaphthalene

Concen: 2.513 ng

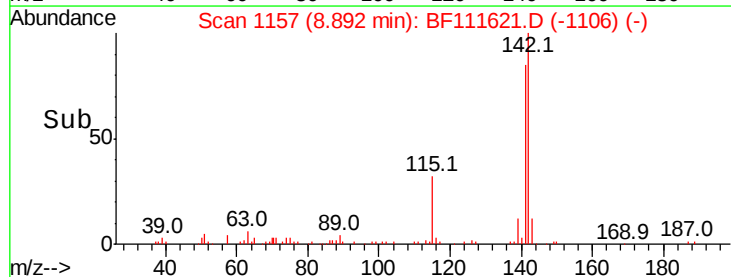
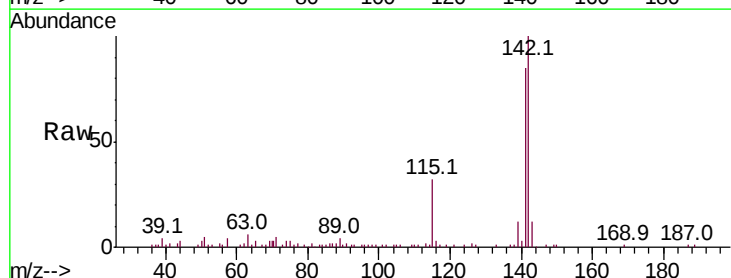
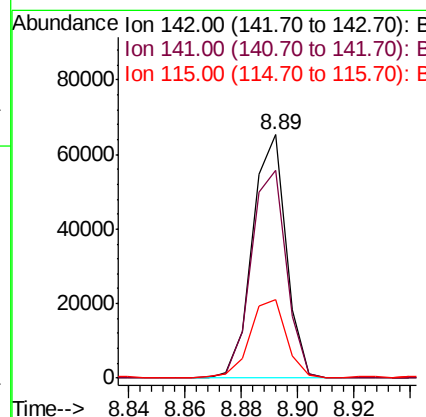
RT: 8.89 min Scan# 1157

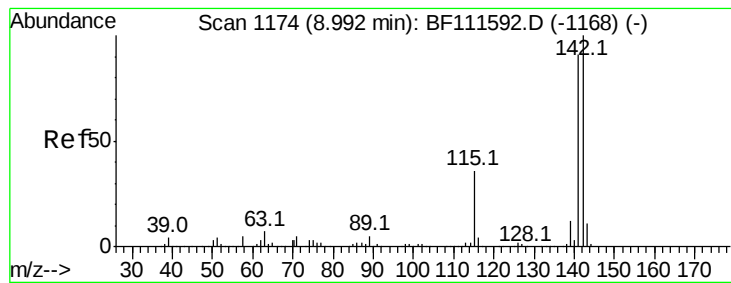
Delta R.T. -0.00 min

Lab File: BF111621.D

Acq: 20 Dec 2018 5:31

Tgt Ion:	142	Resp:	54127
Ion Ratio	Lower	Upper	
142	100		
141	85.1	70.6	105.8
115	32.5	27.0	40.6





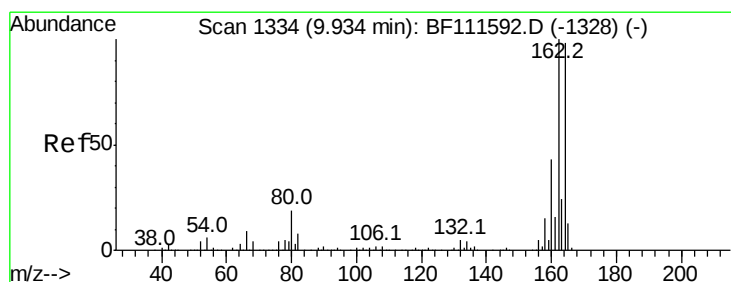
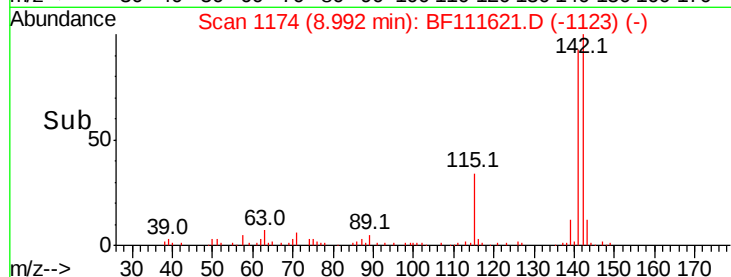
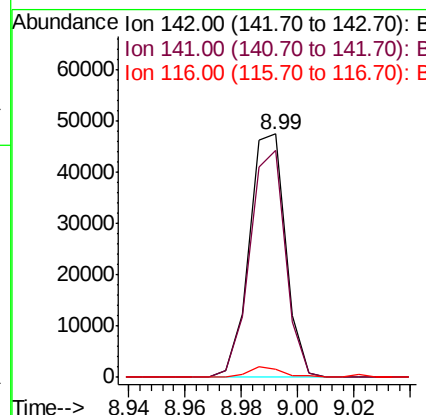
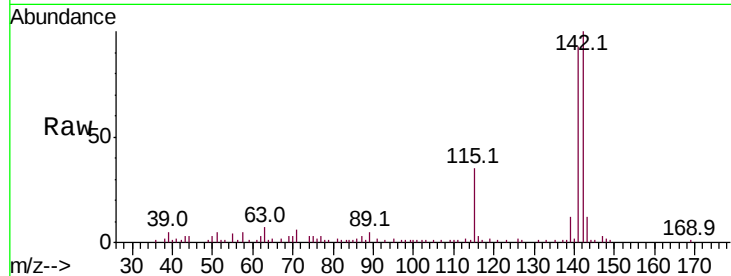
#38
1-Methylnaphthalene
Concen: 2.054 ng
RT: 8.99 min Scan# 1174
Delta R.T. -0.00 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Instrument :
BNA_F
ClientSampleId :
SB-05A

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.1	74.2	111.4
116	3.3	2.9	4.3

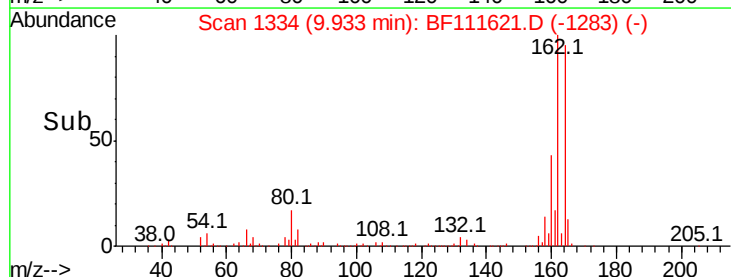
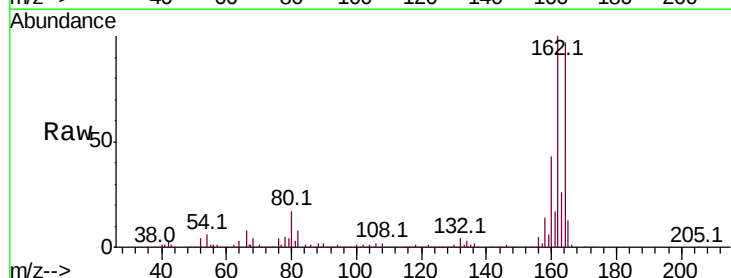
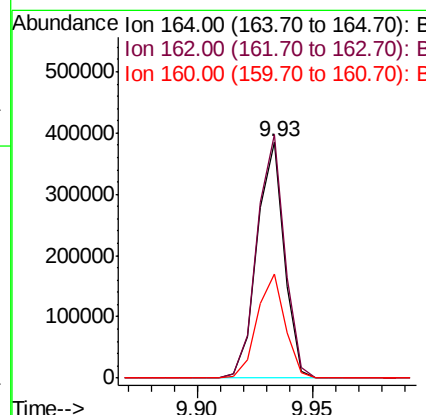
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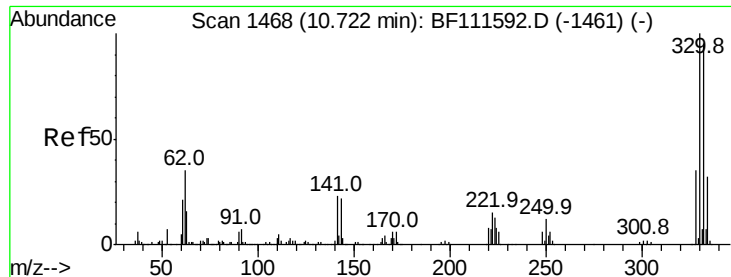
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.4	122.0
160	44.2	35.7	53.5





#42

2,4,6-Tribromophenol

Concen: 130.939 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BF111621.D

Acq: 20 Dec 2018 5:31

Instrument :

BNA_F

ClientSampled :

SB-05A

Tot Ion:330 Resp: 492458
Ion Ratio Lower Upper

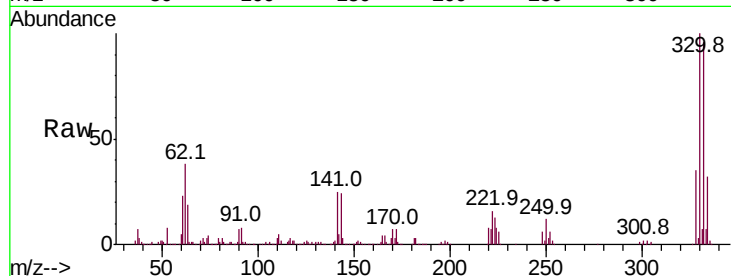
330 100

332 96.0 76.0 114.0

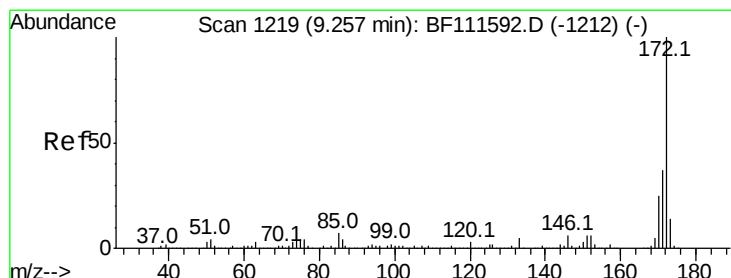
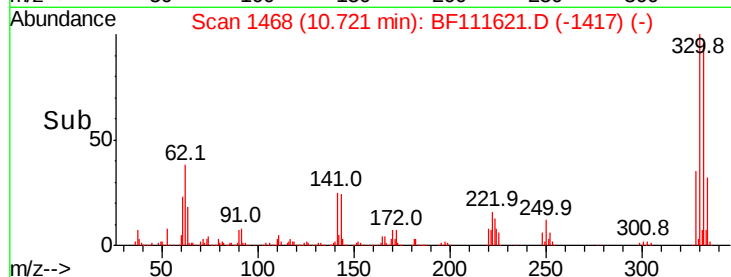
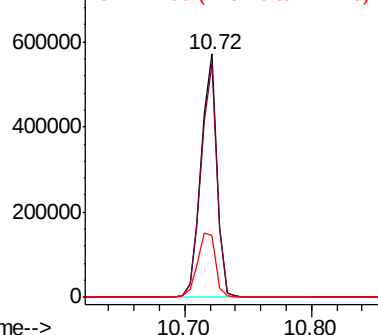
141 29.6 31.0 46.6#

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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: 95.767 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.00 min

Lab File: BF111621.D

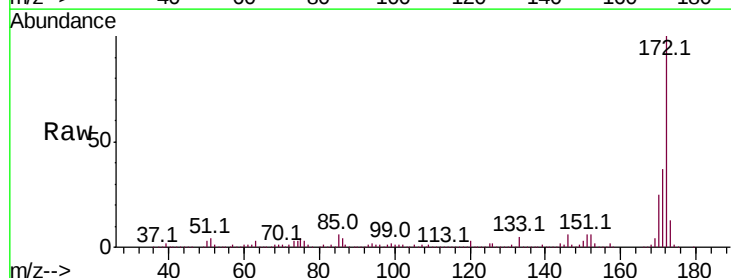
Acq: 20 Dec 2018 5:31

Tgt Ion:172 Resp: 2091347
Ion Ratio Lower Upper

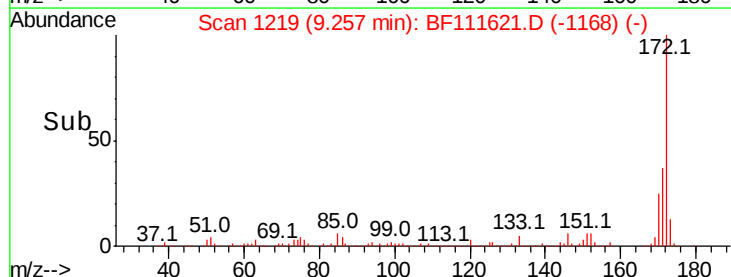
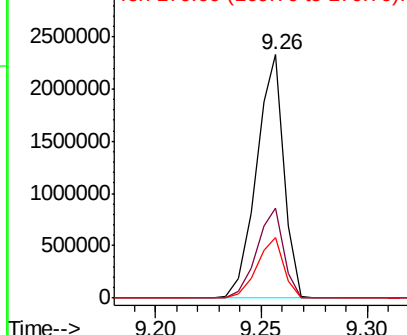
172 100

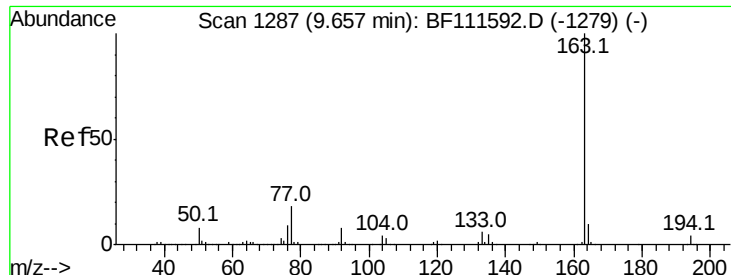
171 37.1 33.0 49.4

170 24.9 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





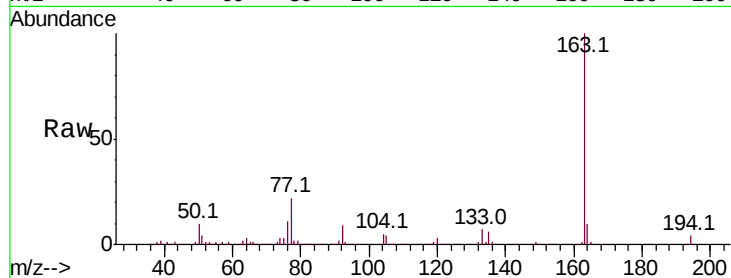
#50
Dimethylphthalate
Concen: 10.681 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Instrument :
BNA_F
ClientSampleId :
SB-05A

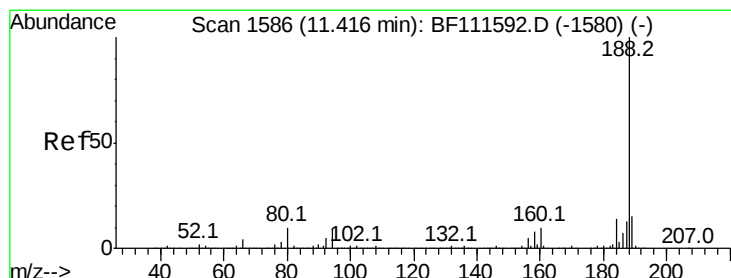
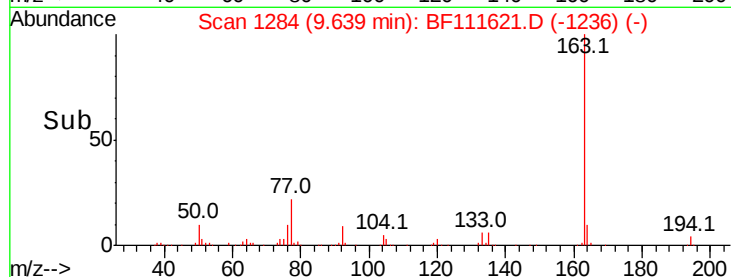
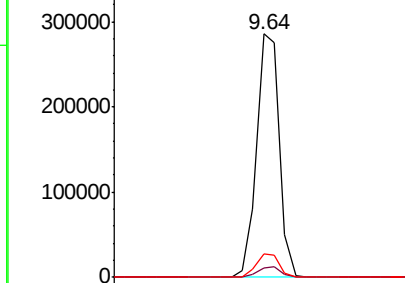
Tot Ion	Ratio	Resp	Lower	Upper
163	100	248626		
194	3.9		3.0	4.6
164	9.5		8.9	13.3

Manual Integrations
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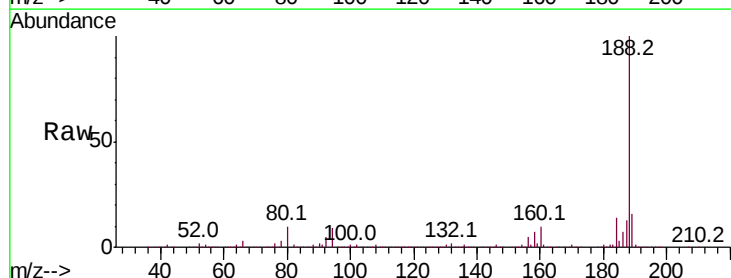


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

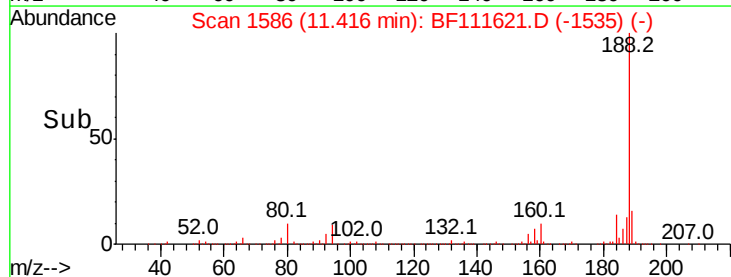
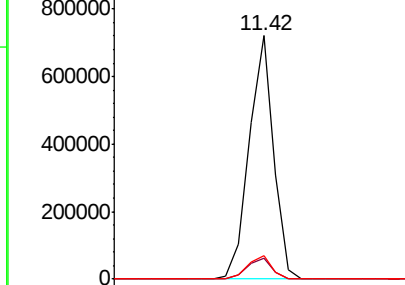


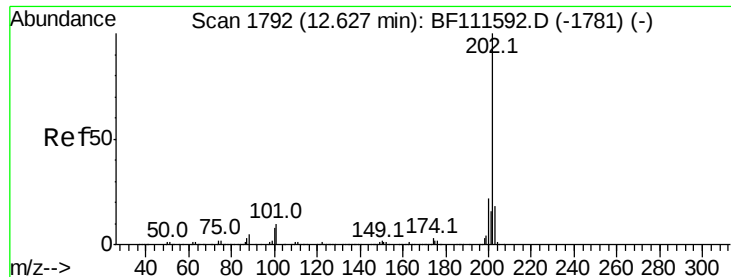
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	577286		
94	8.7		9.6	14.4#
80	9.5		9.8	14.6#



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





#75

Fluoranthene

Concen: 17.203 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF111621.D

Acq: 20 Dec 2018 5:31

Instrument :

BNA_F

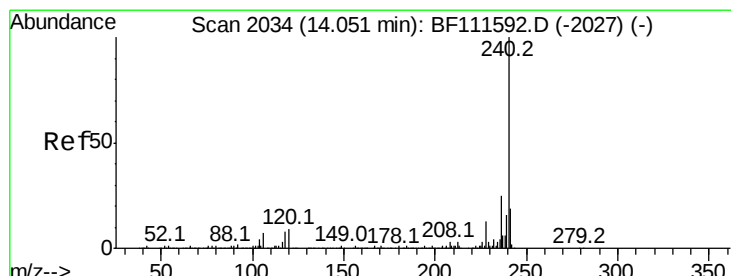
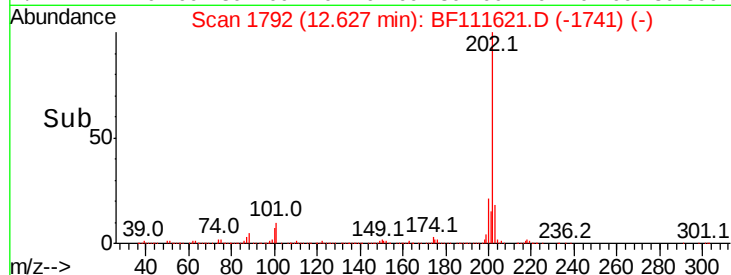
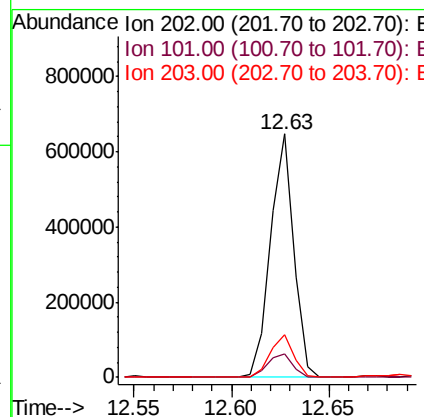
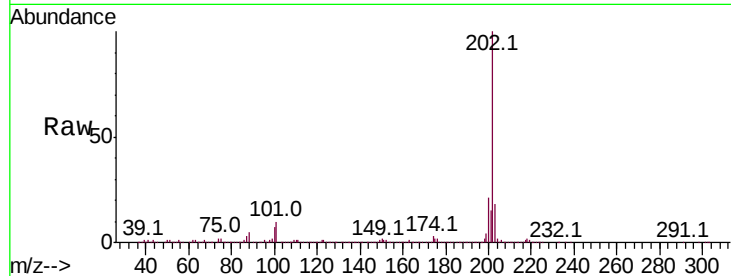
ClientSampleId :

SB-05A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.7	0.0	33.8
203	17.7	0.0	38.6

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#76

Chrysene-d12

Concen: 20.000 ng

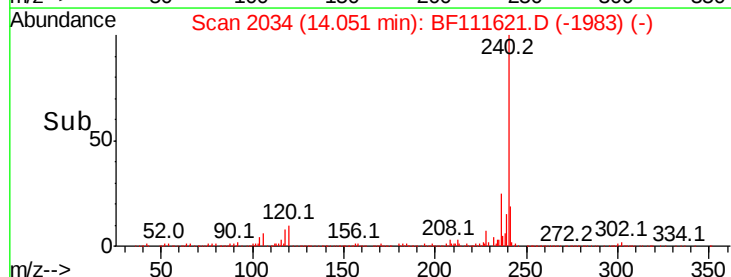
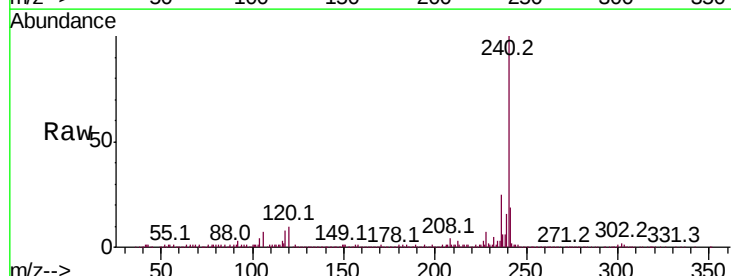
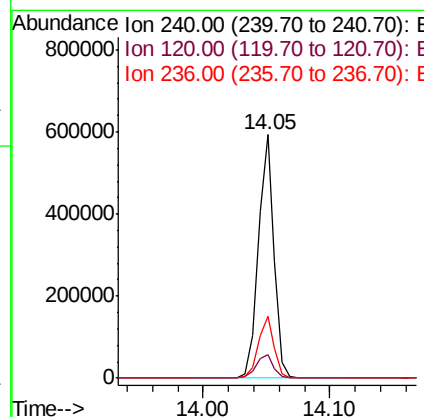
RT: 14.05 min Scan# 2034

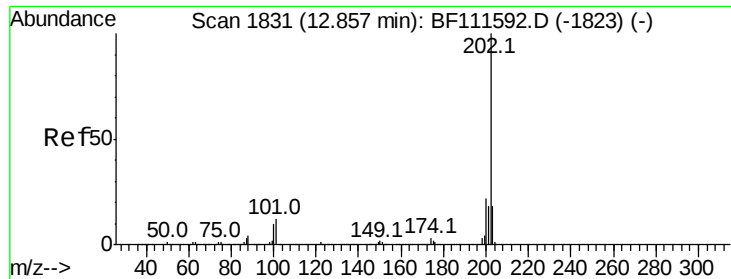
Delta R.T. -0.00 min

Lab File: BF111621.D

Acq: 20 Dec 2018 5:31

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.8	12.2	18.2#
236	25.5	20.2	30.2





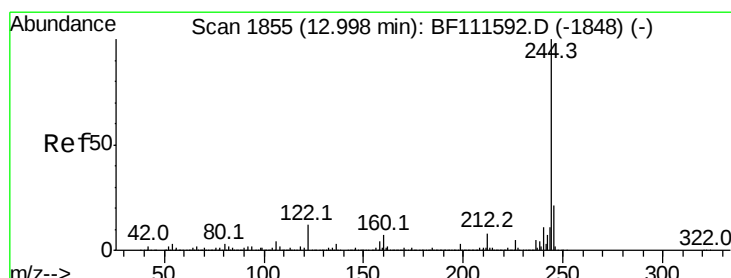
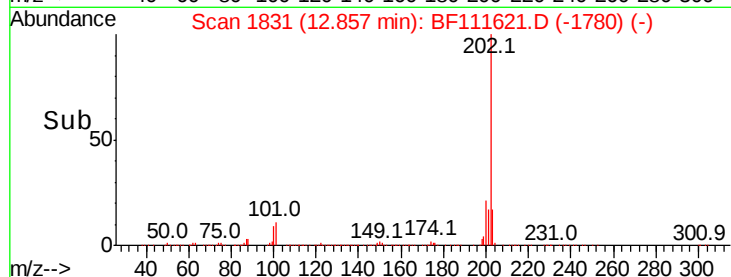
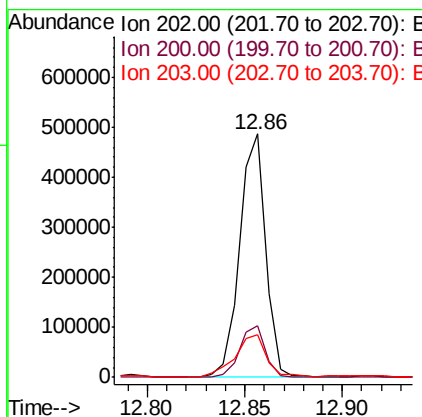
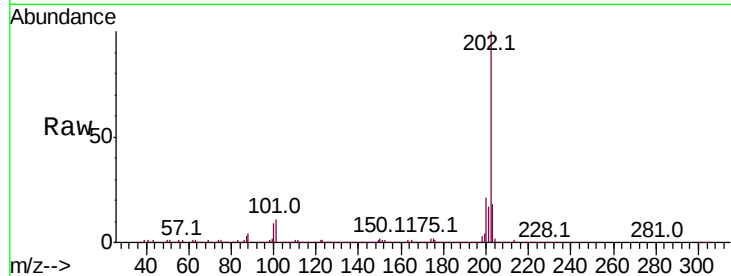
#78
Pvrene
Concen: 12.408 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Instrument :
BNA_F
ClientSampleId :
SB-05A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.0	19.0	28.4
203	17.7	15.2	22.8

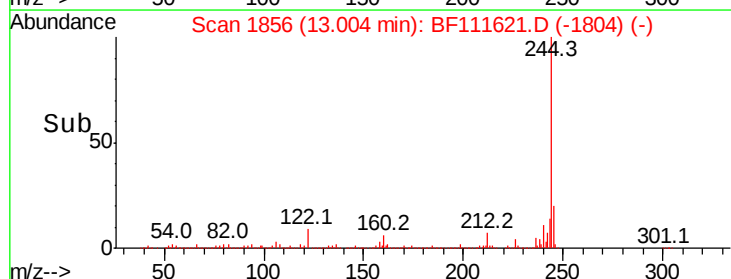
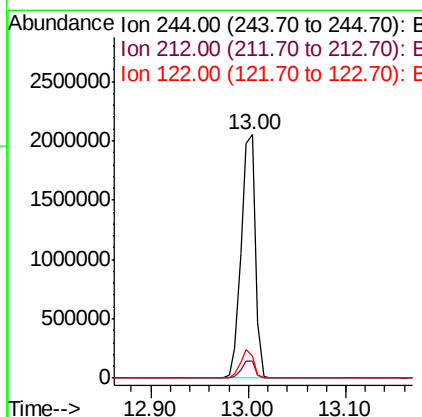
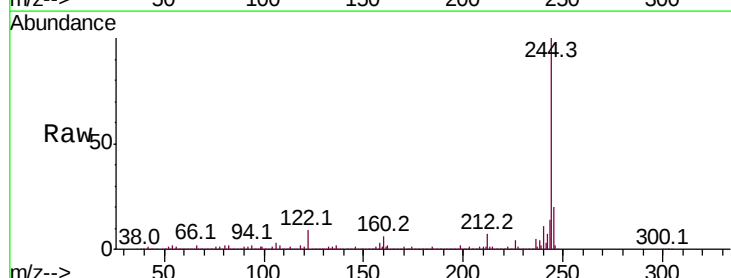
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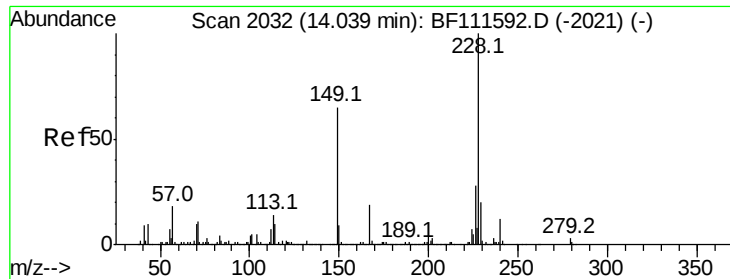
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#79
Terphenyl-d14
Concen: 77.114 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.7	8.5
122	9.2	13.1	19.7#





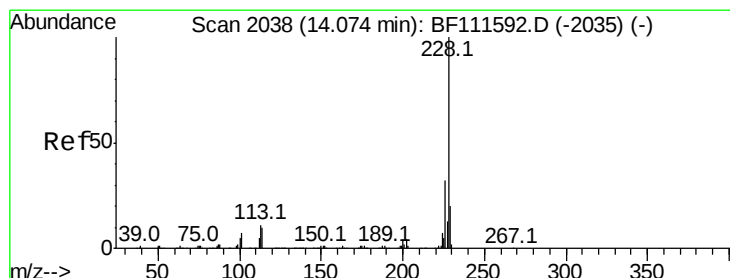
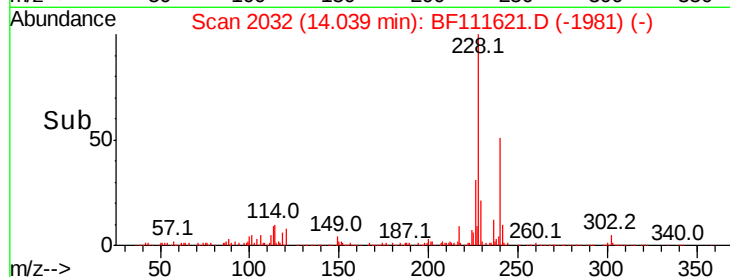
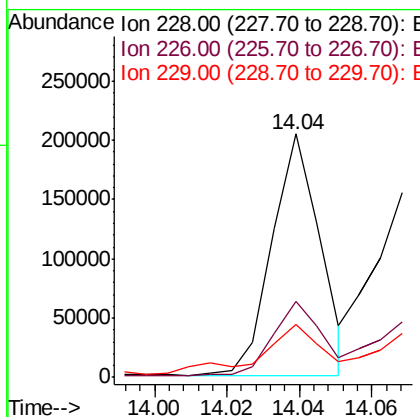
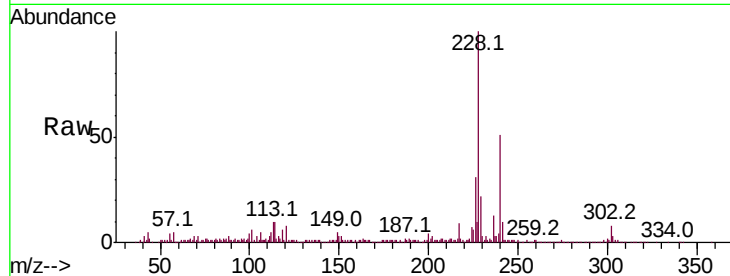
#81
Benzo(a)anthracene
Concen: 6.463 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Instrument :
BNA_F
ClientSampled :
SB-05A

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.6	34.0
229	21.6	16.3	24.5

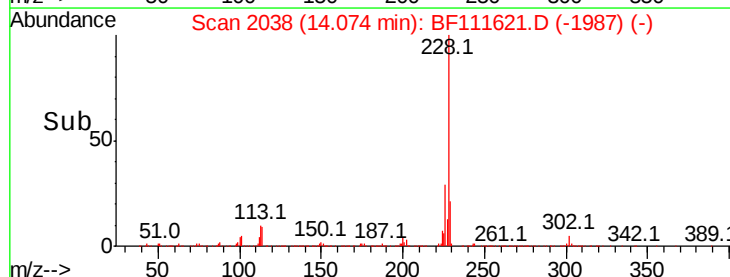
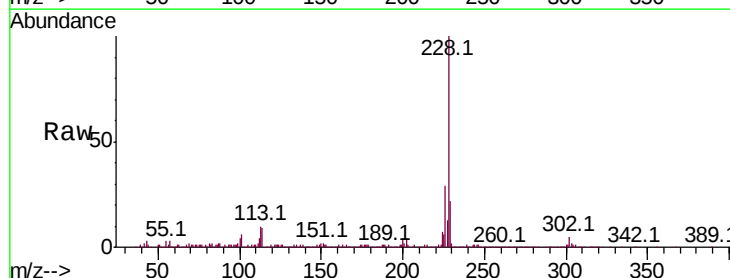
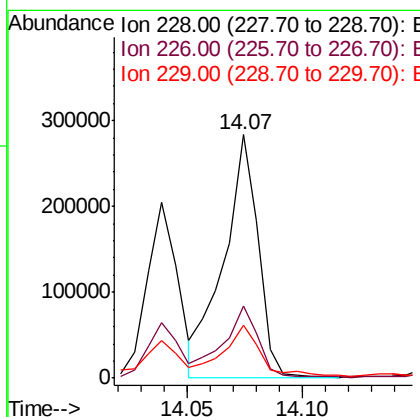
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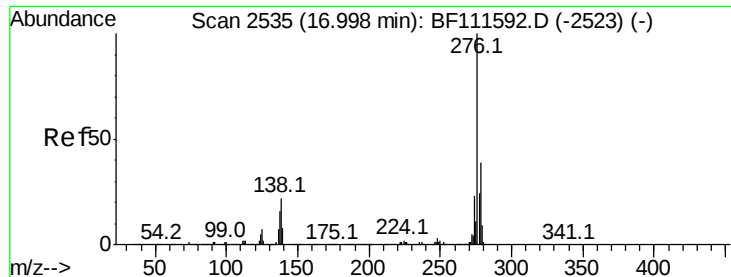
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#83
Chrysene
Concen: 10.267 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.3	37.9
229	21.5	17.2	25.8





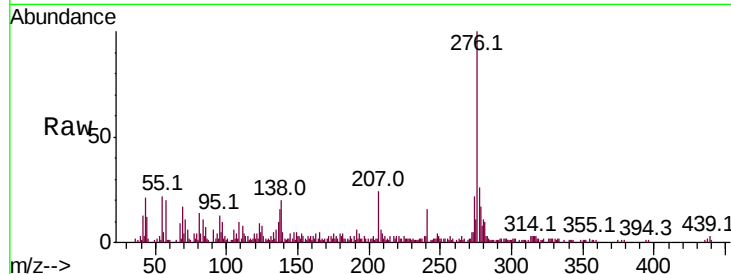
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.565 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.00 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Instrument :
BNA_F
ClientSampleId :
SB-05A

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	27.8	41.6#
277	27.0	20.1	30.1

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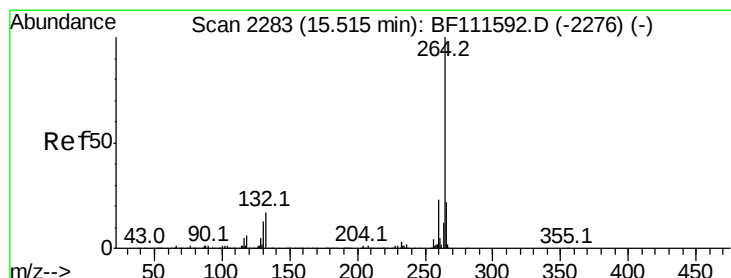
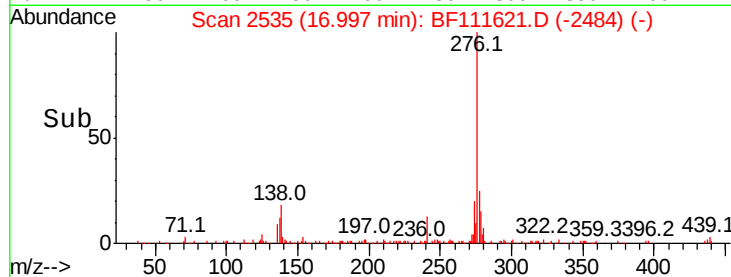
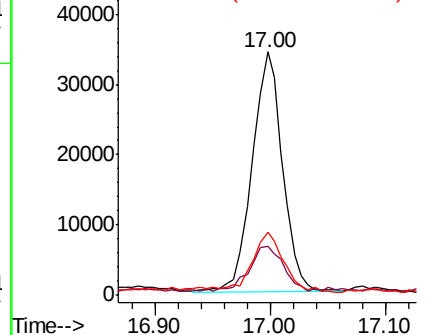


Abundance

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
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

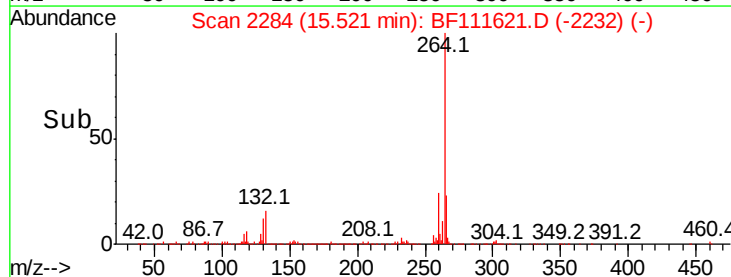
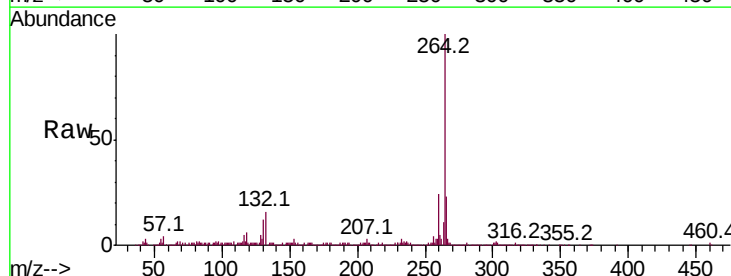
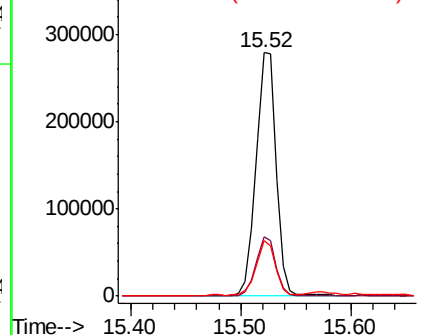
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.3	27.5
265	22.8	17.7	26.5

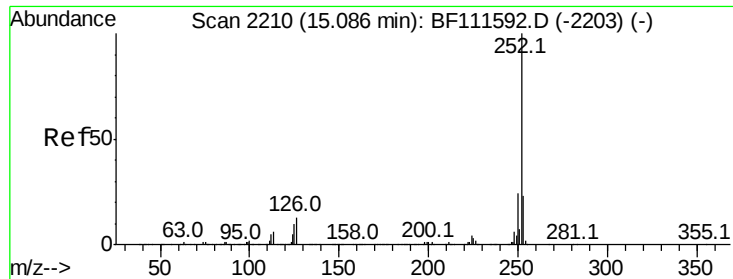
Abundance

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





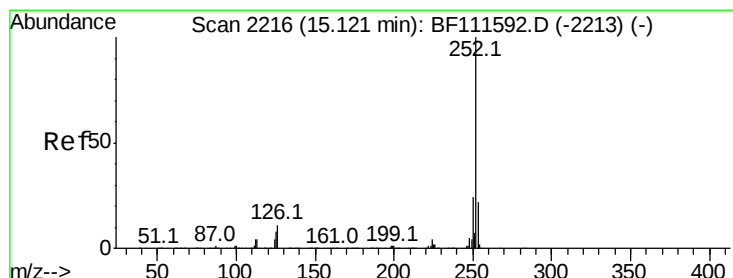
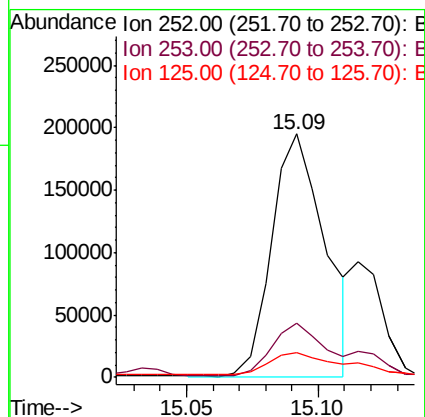
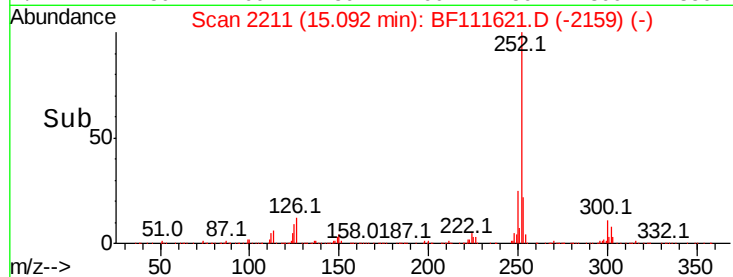
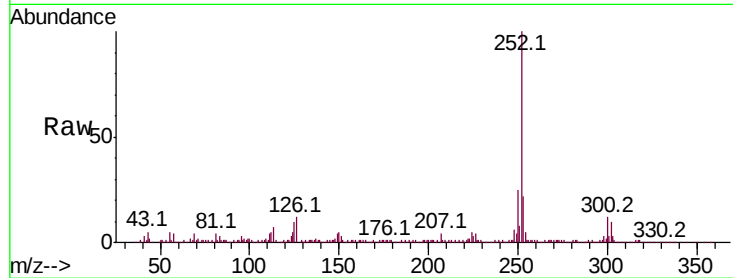
#88
Benzo(b)fluoranthene
Concen: 13.364 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Instrument :
BNA_F
ClientSampled :
SB-05A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	10.1	10.4	15.6

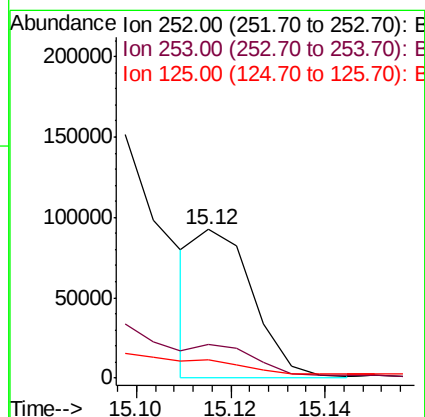
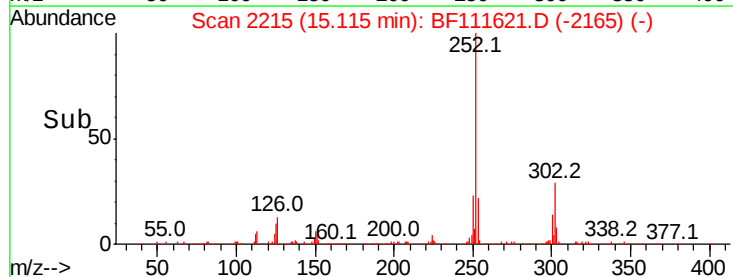
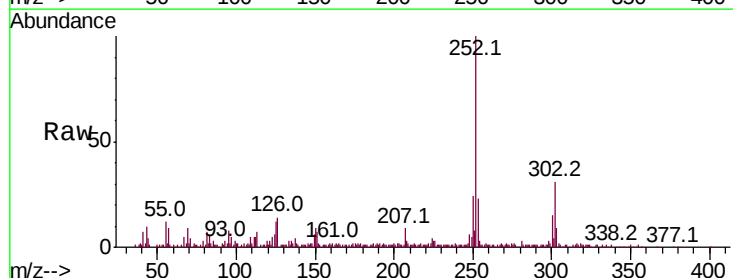
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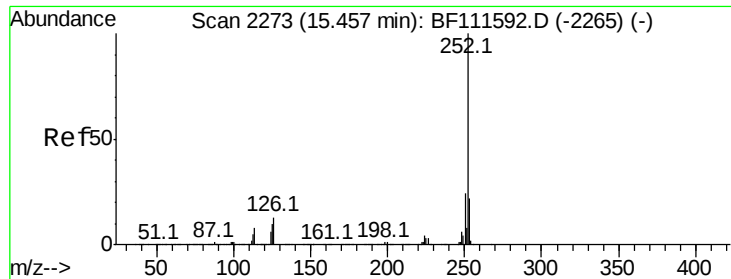
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#89
Benzo(k)fluoranthene
Concen: 3.895 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	12.1	9.8	14.8





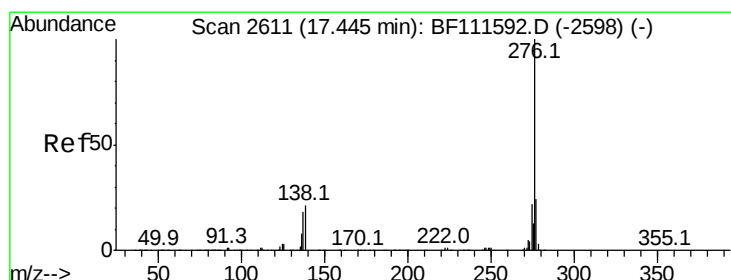
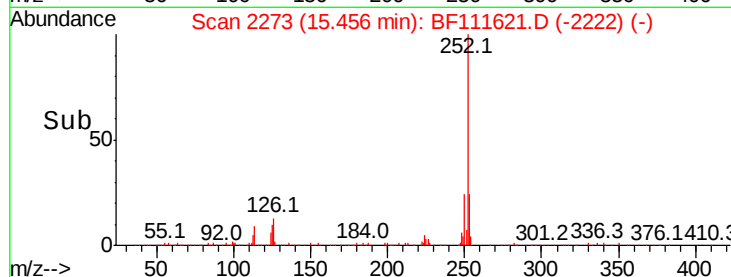
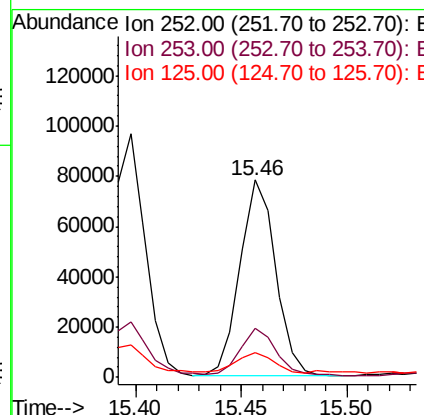
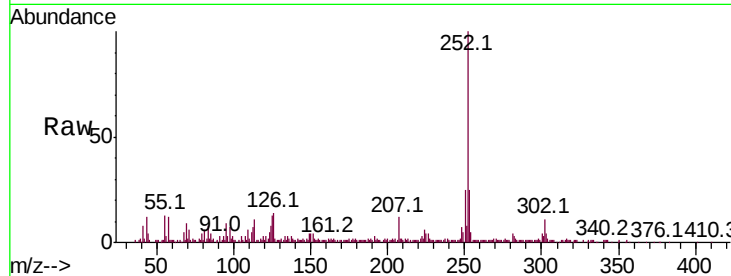
#90
Benzo(a)pyrene
Concen: 4.796 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Instrument :
BNA_F
ClientSampleId :
SB-05A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.8
125	12.7	12.3	18.5

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.473 ng m
RT: 17.44 min Scan# 2611
Delta R.T. -0.00 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.2	28.8
138	22.8	24.9	37.3#

