

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098920.D
 Acq On : 28 Sep 2017 21:31
 Operator : SJ/JU
 Sample : I5440-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-2

Manual Integrations
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Sohil
 9/29/2017 6:04:33 PM

Quant Time: Sep 29 02:12:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	154915	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	619872	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	247974	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	354220	20.00	ng	0.00
75) Chrysene-d12	14.08	240	248174	20.00	ng	0.00
86) Perylene-d12	15.57	264	268338	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1163502	119.56	ng	0.00
7) Phenol-d6	6.55	99	1426499	118.83	ng	0.00
23) Nitrobenzene-d5	7.48	82	861446	89.12	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	213563	105.25	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	1295274	87.20	ng	0.00
78) Terphenyl-d14	13.03	244	791761	72.55	ng	0.00
Target Compounds						
10) Phenol	6.56	94	39438	2.937	ng	95
49) Dimethylphthalate	9.66	163	269748	14.413	ng	99
74) Fluoranthene	12.65	202	47650	2.482	ng	97
77) Pyrene	12.88	202	71295	3.767	ng	99
80) Benzo(a)anthracene	14.07	228	50239m	3.343	ng	
82) Chrysene	14.10	228	40952	2.862	ng	96
85) Indeno(1,2,3-cd)pyrene	17.07	276	41771	3.650	ng	97
87) Benzo(b)fluoranthene	15.13	252	83440m	5.057	ng	
89) Benzo(a)pyrene	15.50	252	68904	4.550	ng	# 96
91) Benzo(g,h,i)perylene	17.53	276	36334	3.033	ng	# 90

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

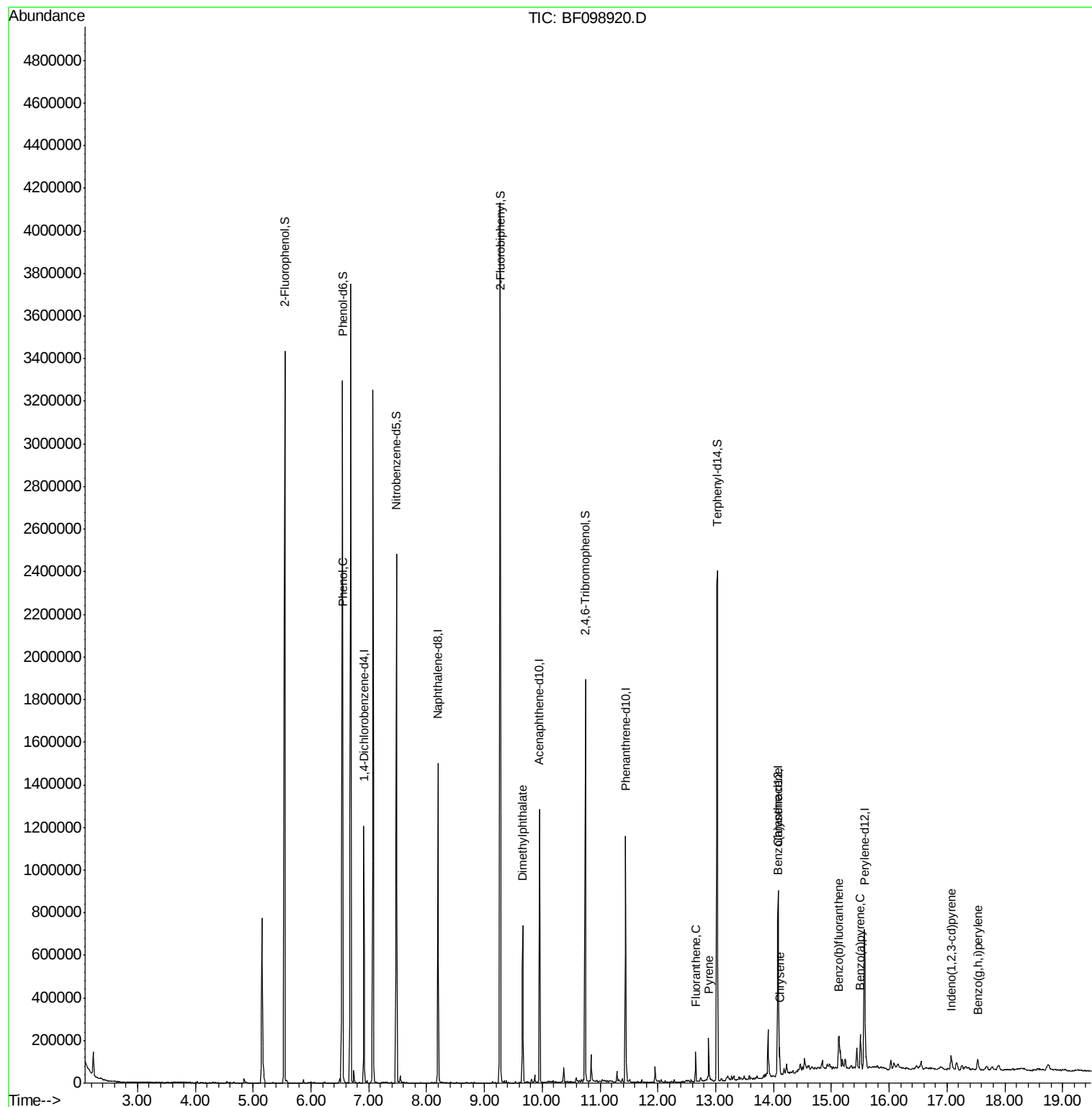
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
Data File : BF098920.D
Acq On : 28 Sep 2017 21:31
Operator : SJ/JU
Sample : I5440-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

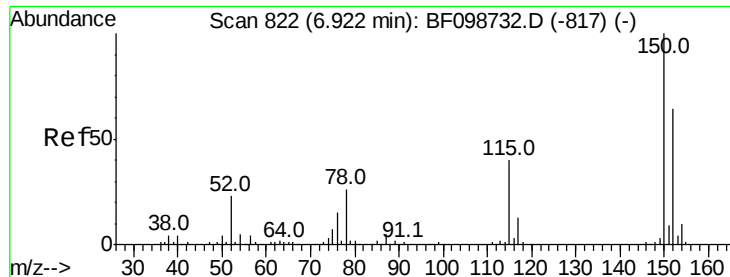
Instrument :
BNA_F
ClientSampleId :
W-2

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Response via : Initial Calibration





#1

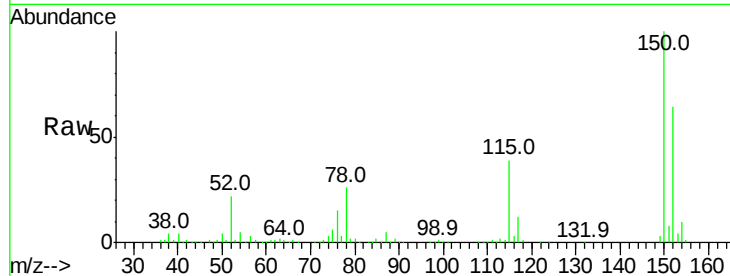
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Instrument :
BNA_F
ClientSampled :
W-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	61.1	50.1	75.1

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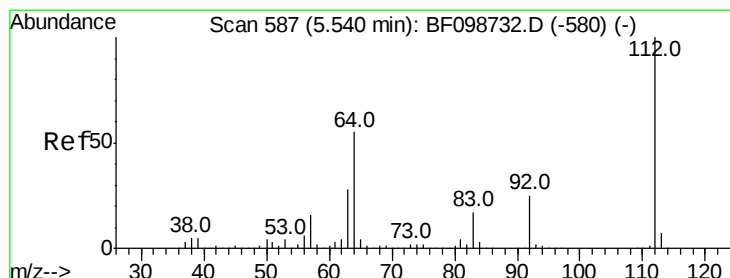
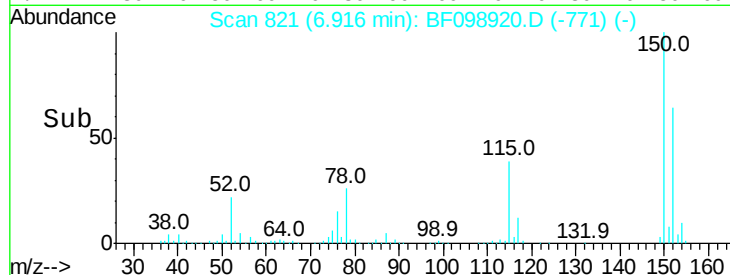
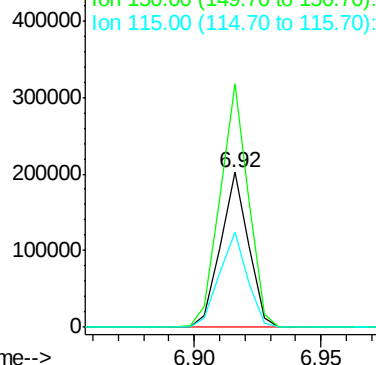


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

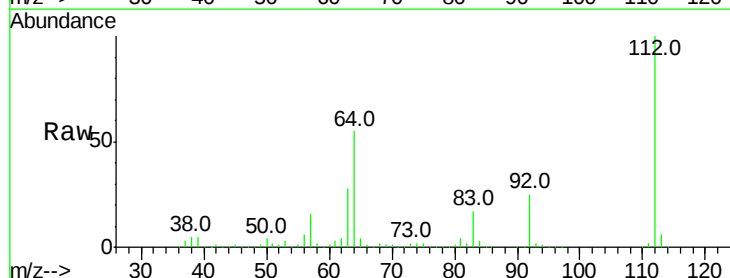
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 119.561 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	47.9	71.9
63	27.7	23.7	35.5

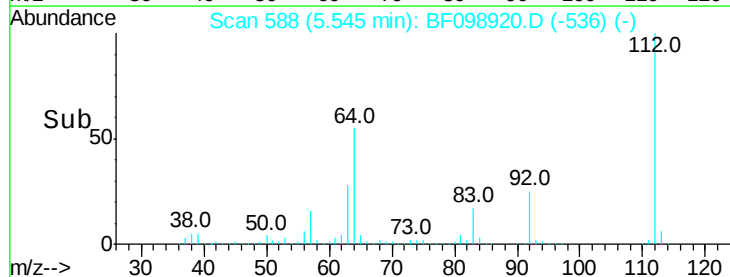
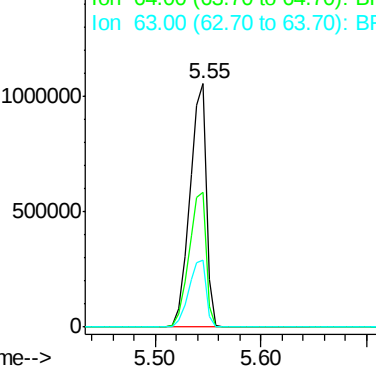


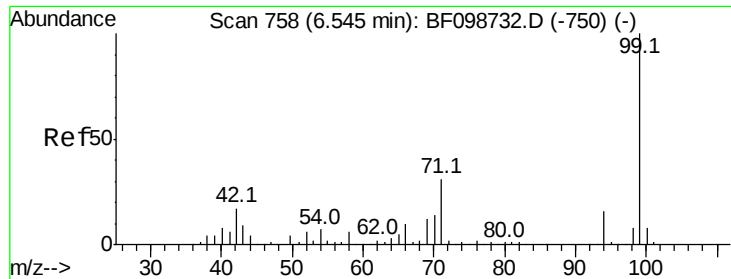
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.827 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF098920.D

Acq: 28 Sep 2017 21:31

Instrument :

BNA_F

ClientSampled :

W-2

Tot Ion: 99 Resp: 1426499

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

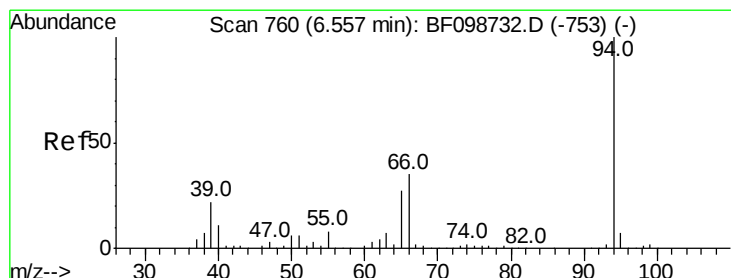
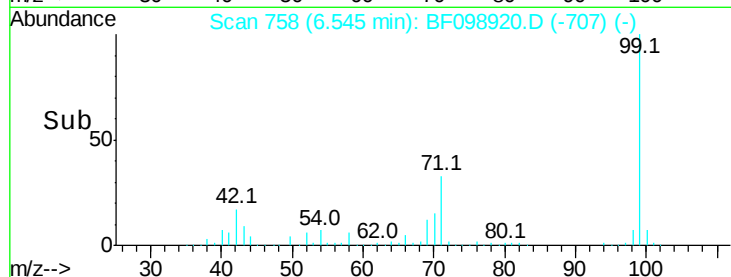
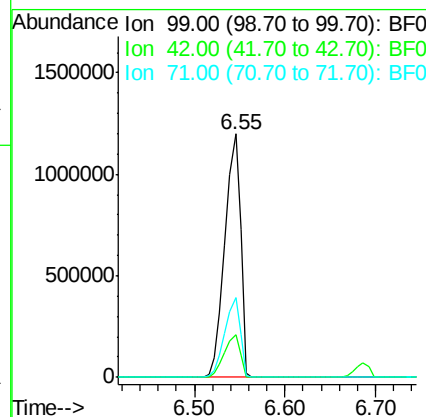
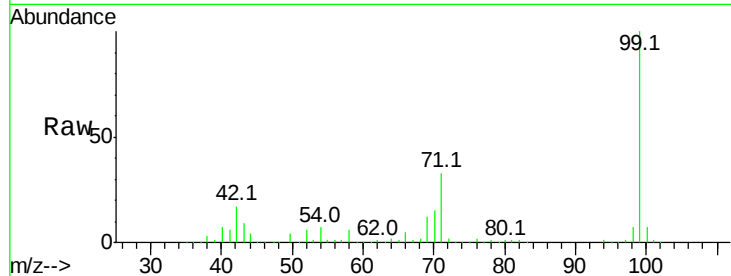
71 33.0 25.4 38.0

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#10

Phenol

Concen: 2.937 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.00 min

Lab File: BF098920.D

Acq: 28 Sep 2017 21:31

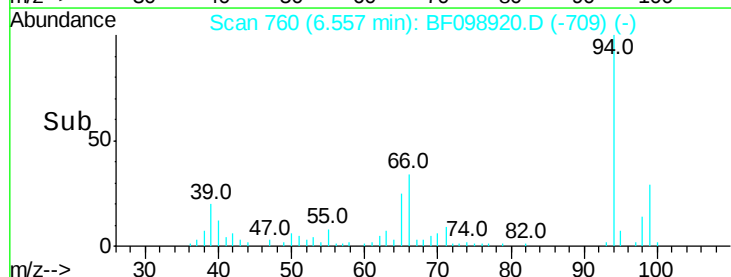
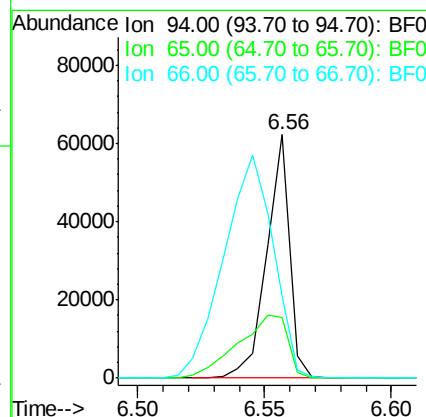
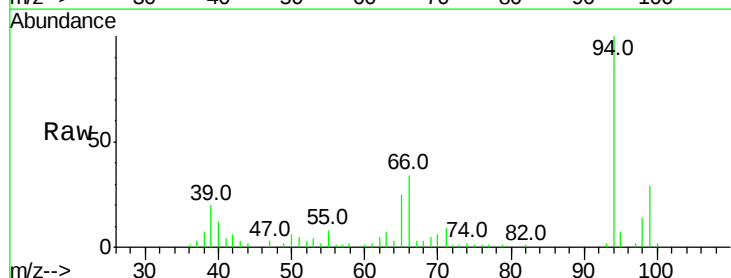
Tgt Ion: 94 Resp: 39438

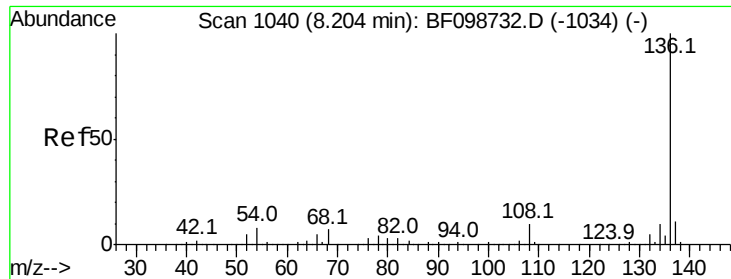
Ion Ratio Lower Upper

94 100

65 25.0 7.9 47.9

66 33.6 16.2 56.2





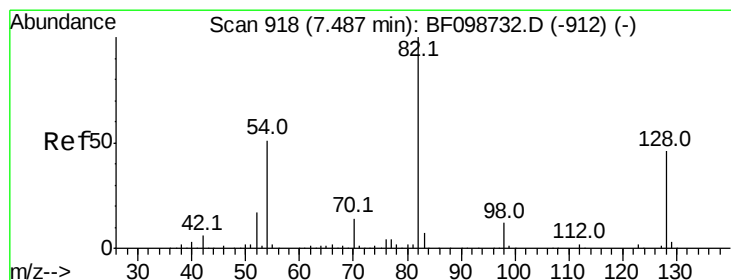
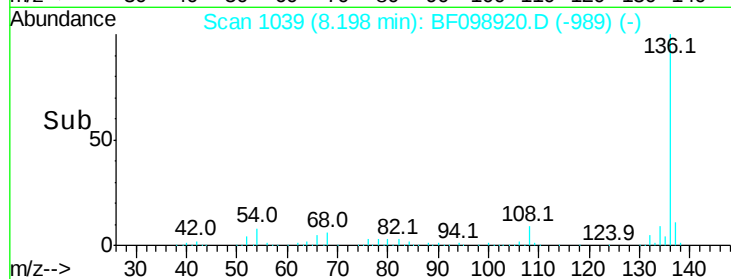
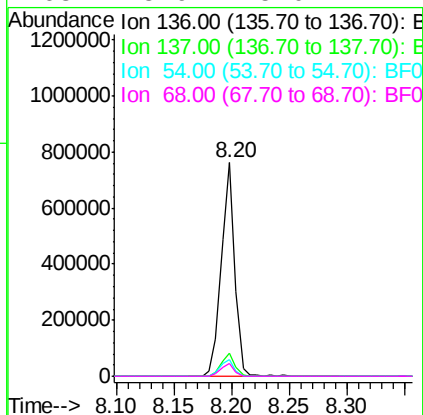
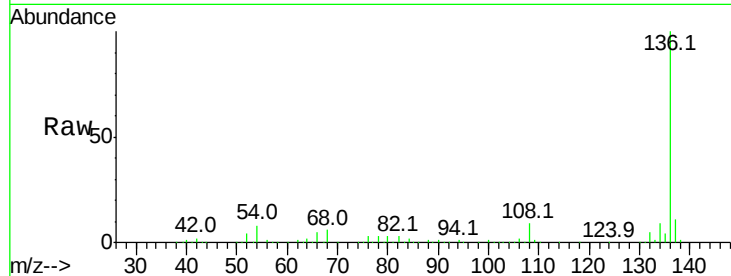
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Instrument :
BNA_F
ClientSampled :
W-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100	619872		
137	10.9		8.9	13.3
54	7.6		6.6	9.8
68	5.9		5.0	7.4

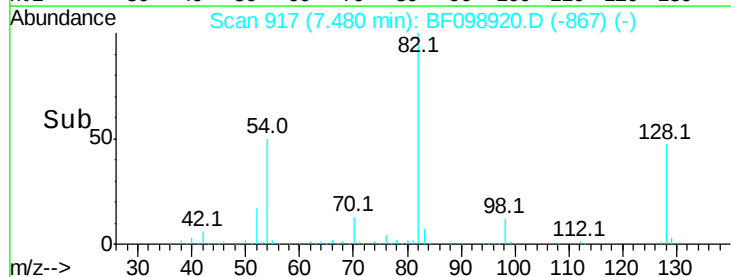
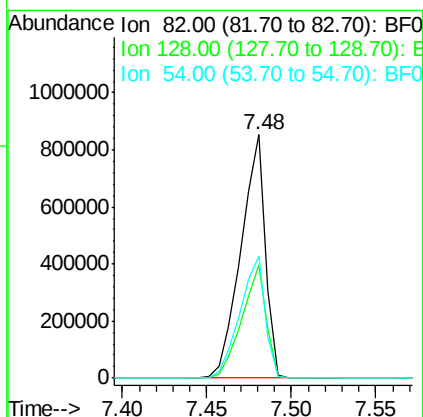
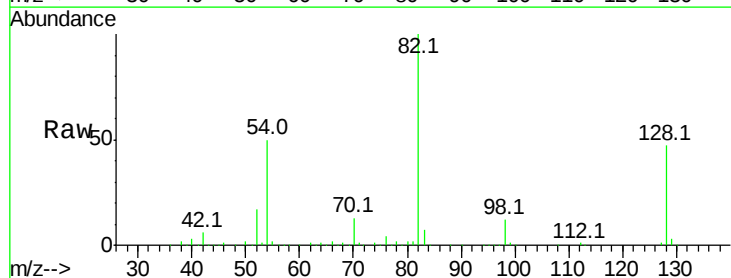
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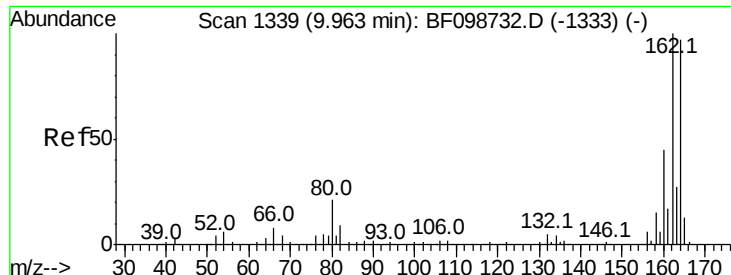
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#23
Nitrobenzene-d5
Concen: 89.123 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	861446		
128	46.7		36.1	54.1
54	50.1		41.4	62.2





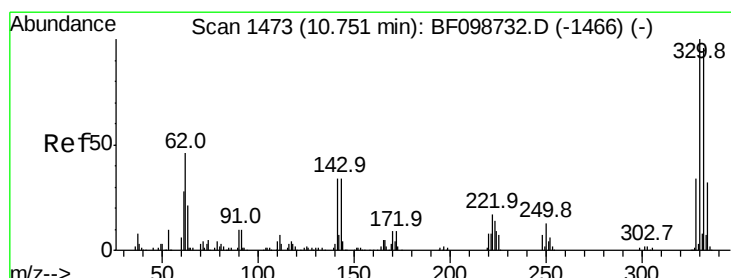
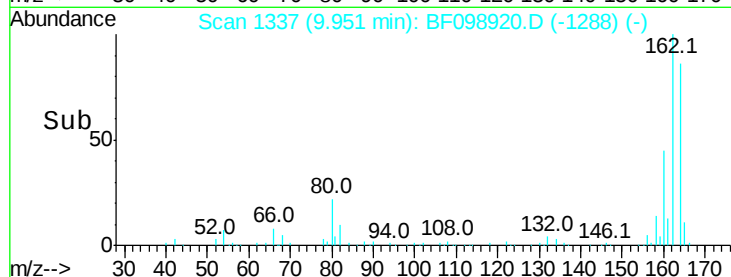
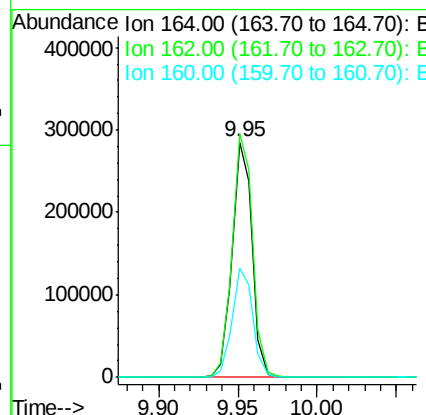
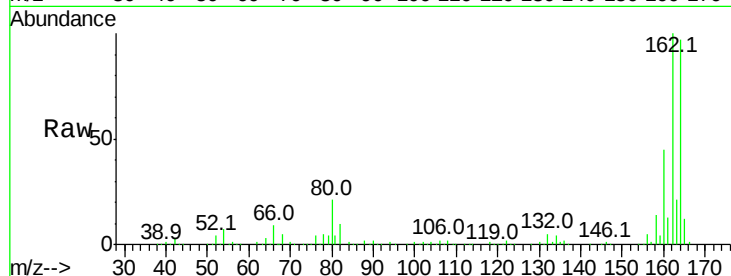
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Instrument :
BNA_F
ClientSampled :
W-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100	247974		
162	103.5	86.1	129.1	
160	46.4	38.3	57.5	

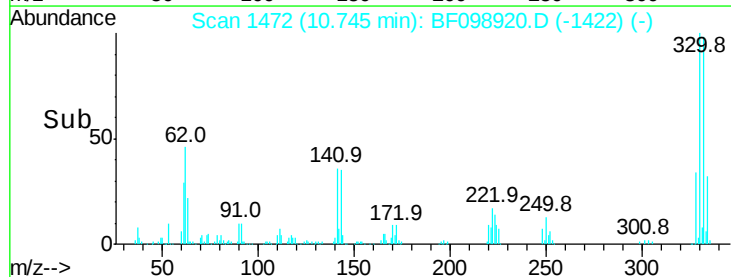
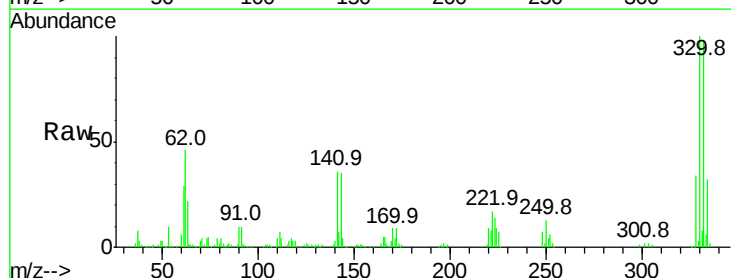
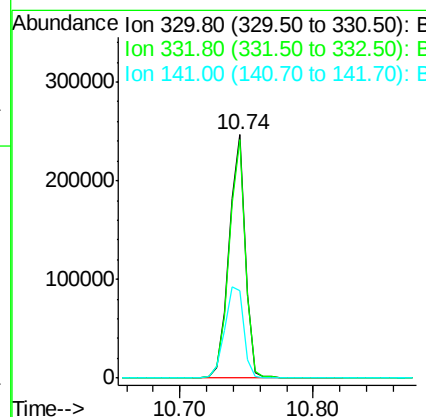
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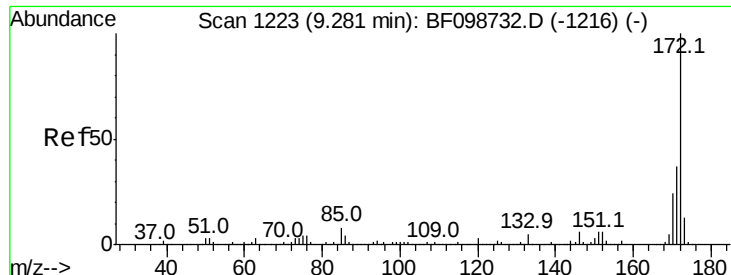
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#41
2,4,6-Tribromophenol
Concen: 105.250 ng
RT: 10.74 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	213563		
332	97.3	77.0	115.6	
141	43.7	29.9	44.9	





#44

2-Fluorobiphenyl

Concen: 87.201 ng

RT: 9.27 min Scan# 1222

Delta R.T. -0.01 min

Lab File: BF098920.D

Acq: 28 Sep 2017 21:31

Instrument :

BNA_F

ClientSampled :

W-2

Tot Ion:172 Resp: 1295274

Ion Ratio Lower Upper

172 100

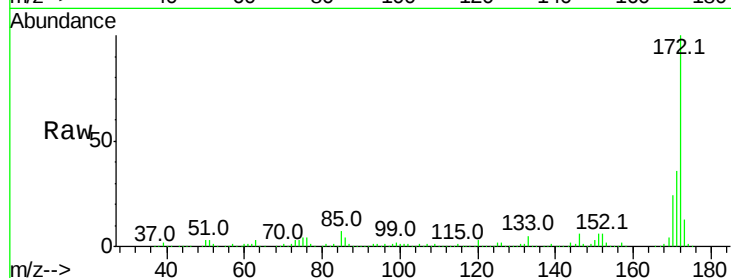
171 35.7 29.7 44.5

170 24.0 19.6 29.4

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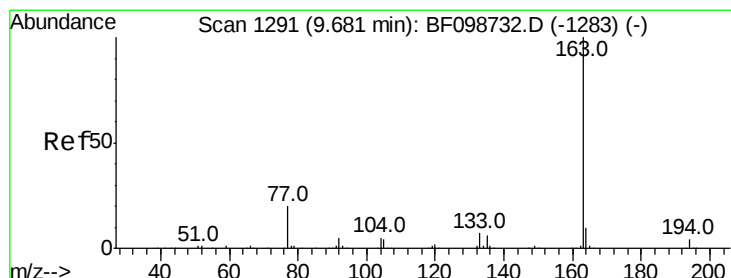
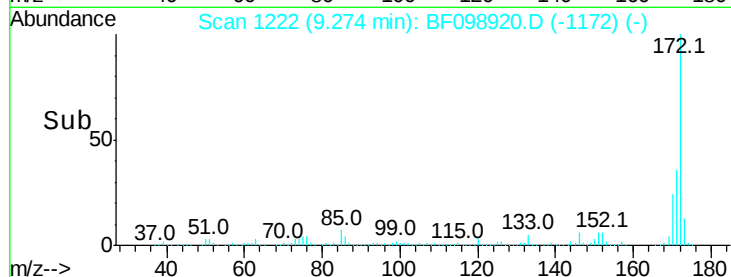
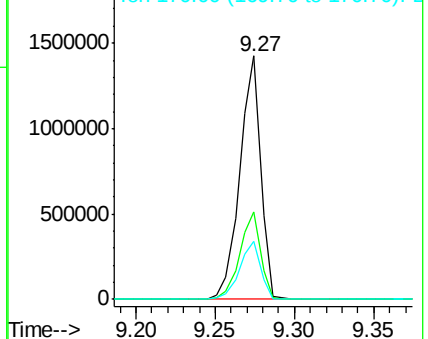
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 14.413 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF098920.D

Acq: 28 Sep 2017 21:31

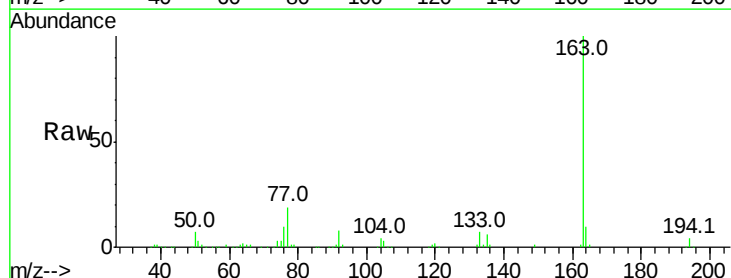
Tgt Ion:163 Resp: 269748

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

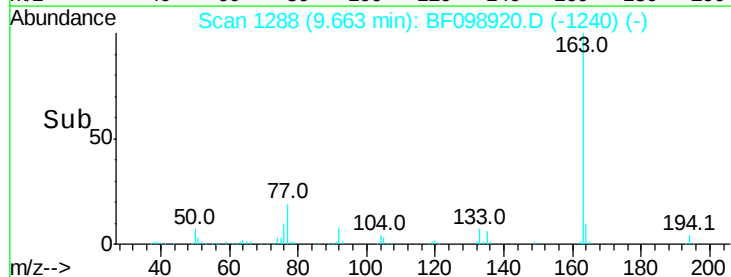
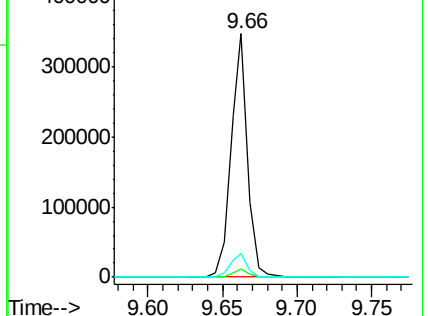
164 9.6 8.2 12.2

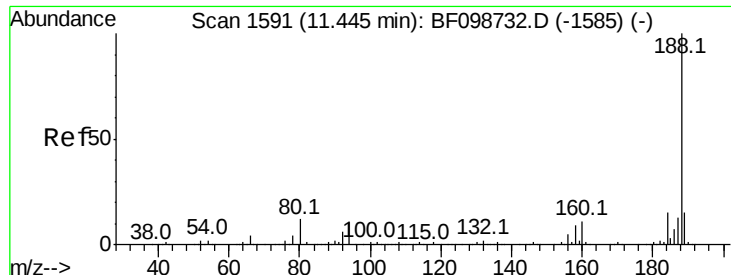


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





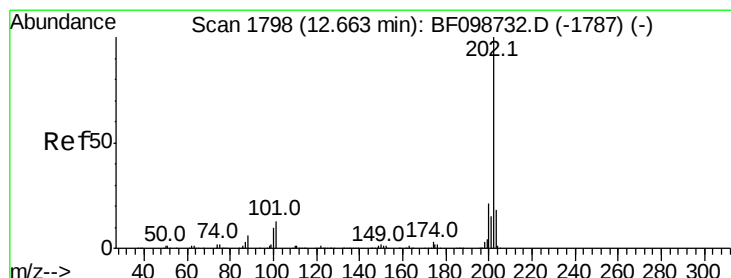
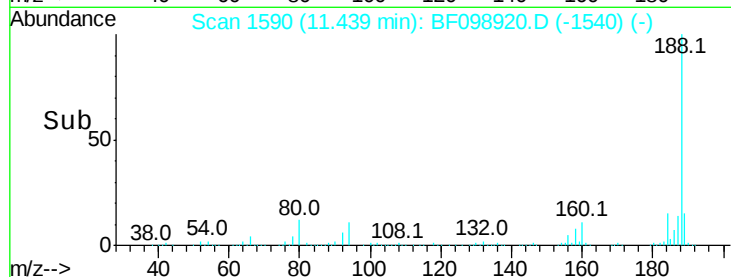
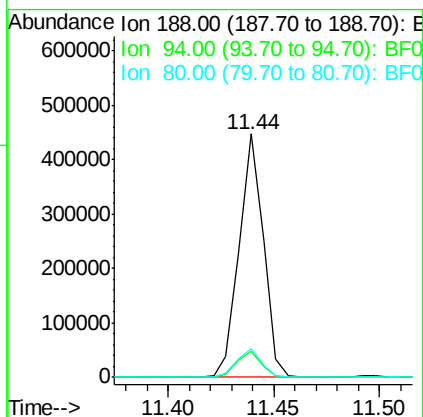
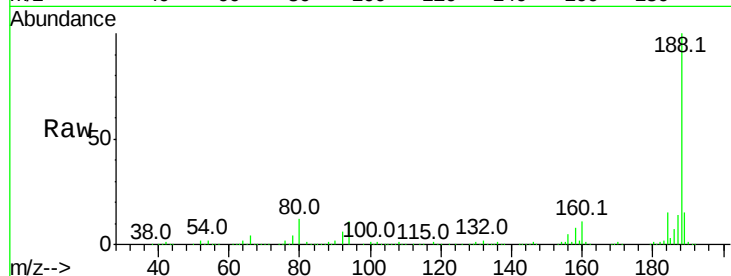
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Instrument :
BNA_F
ClientSampled :
W-2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.7	8.5	12.7
80	11.7	9.2	13.8

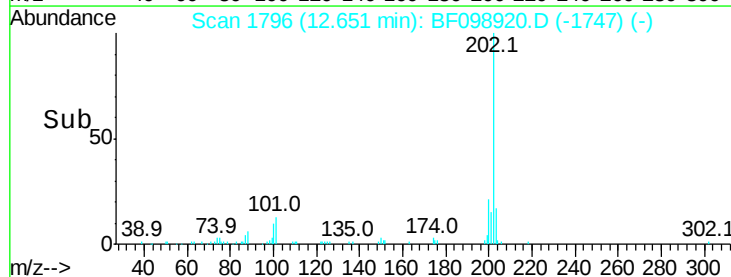
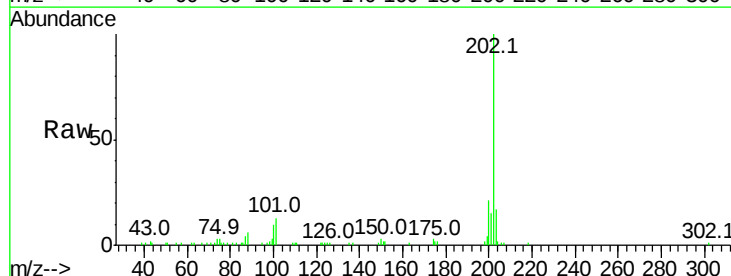
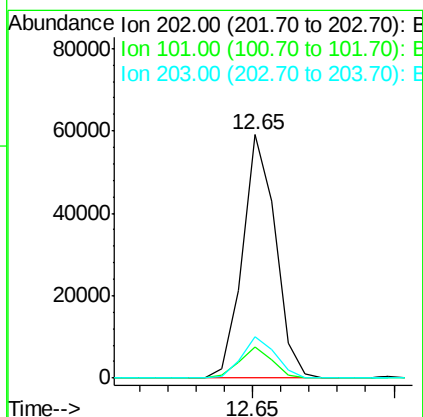
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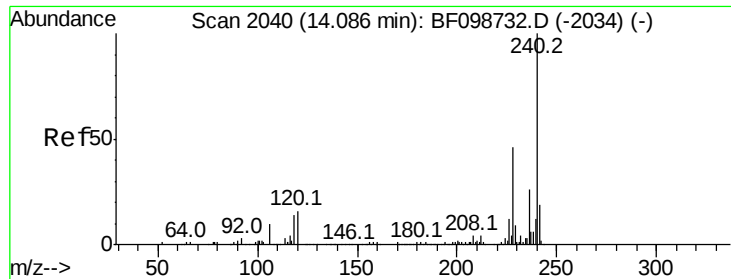
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#74
Fluoranthene
Concen: 2.482 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	12.7	0.0	34.1
203	16.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098920.D

Acq: 28 Sep 2017 21:31

Instrument :

BNA_F

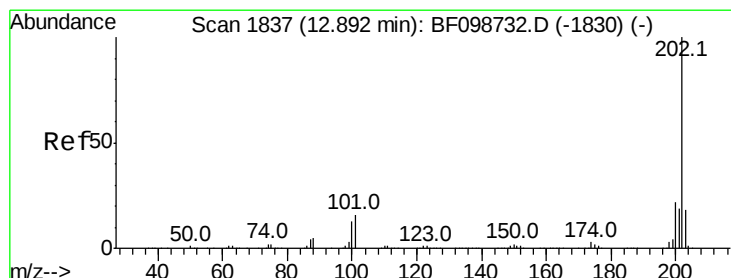
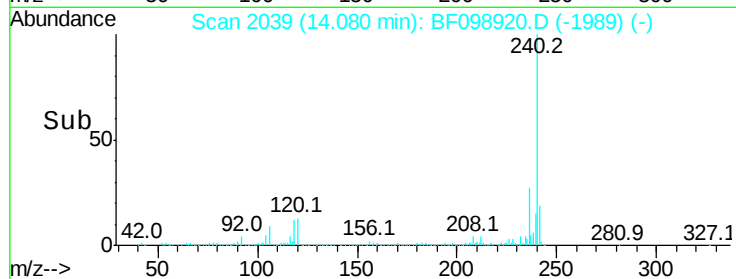
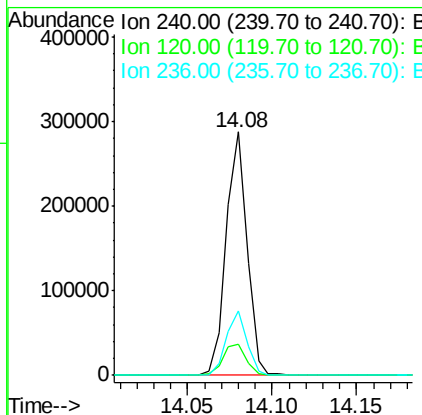
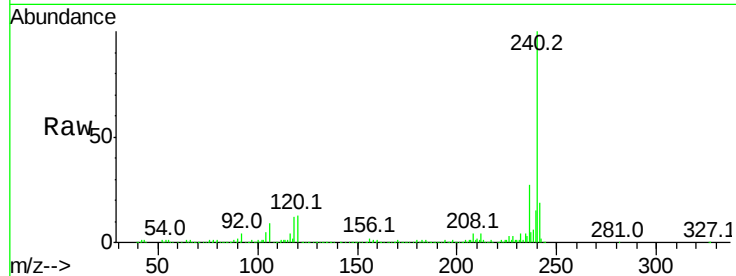
ClientSampled :

W-2

Tot Ion:	240	Resp:	248174
Ion Ratio	Lower	Upper	
240	100		
120	13.0	9.5	14.3
236	26.7	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 3.767 ng

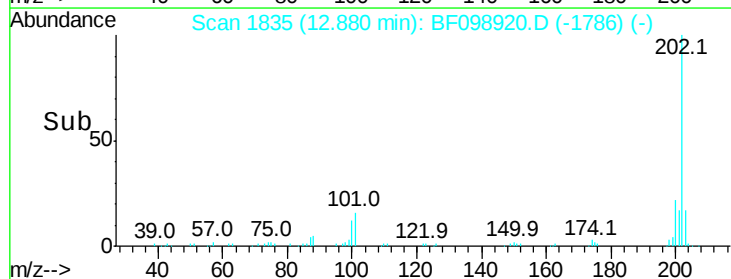
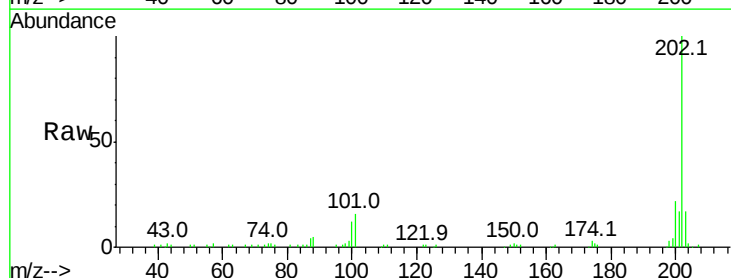
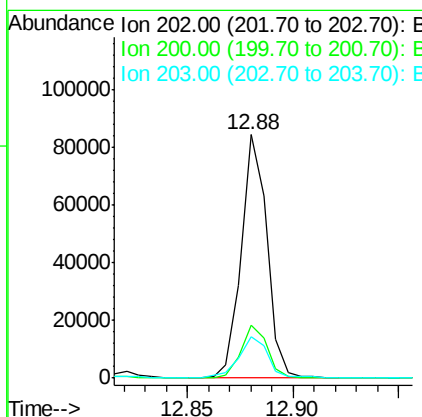
RT: 12.88 min Scan# 1835

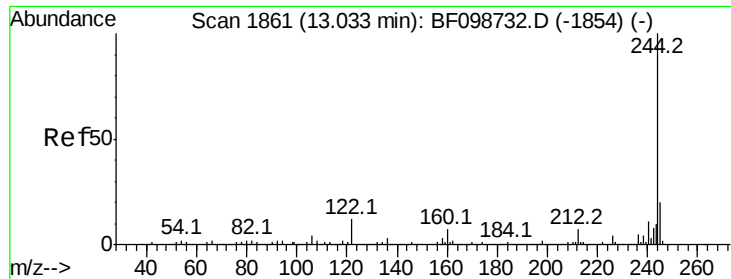
Delta R.T. -0.01 min

Lab File: BF098920.D

Acq: 28 Sep 2017 21:31

Tgt Ion:	202	Resp:	71295
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	17.2	14.3	21.5





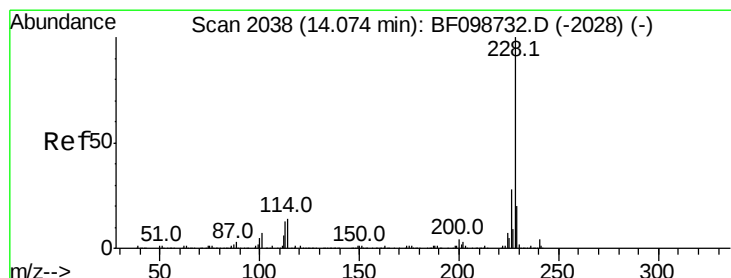
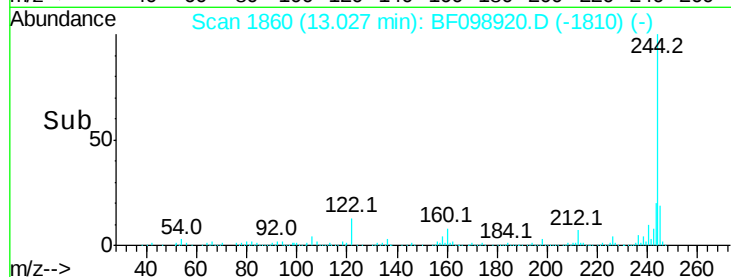
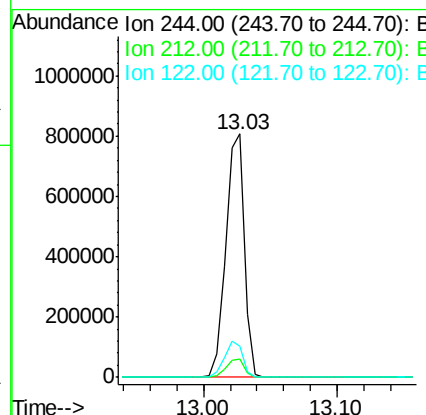
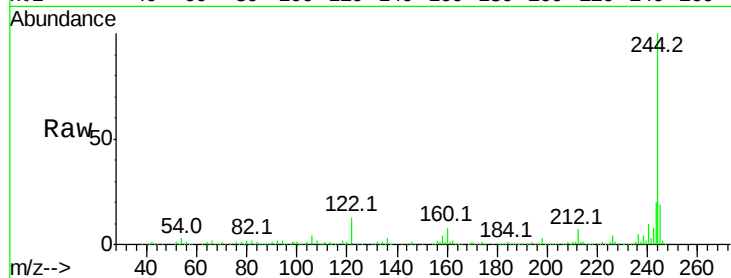
#78
 Terphenyl-d14
 Concen: 72.555 ng
 RT: 13.03 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: BF098920.D
 Acq: 28 Sep 2017 21:31

Instrument :
 BNA_F
 ClientSampled :
 W-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	12.7	11.0	16.4

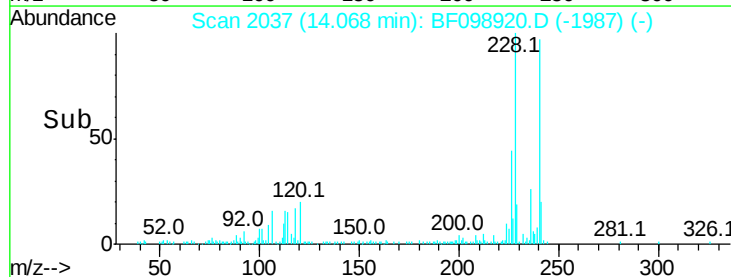
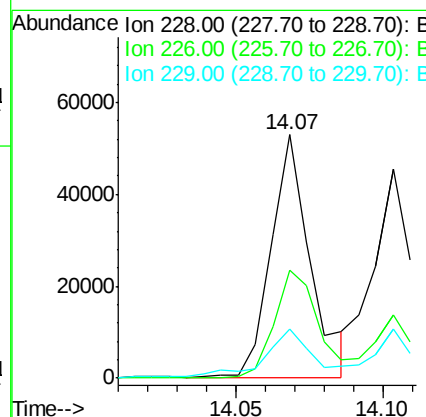
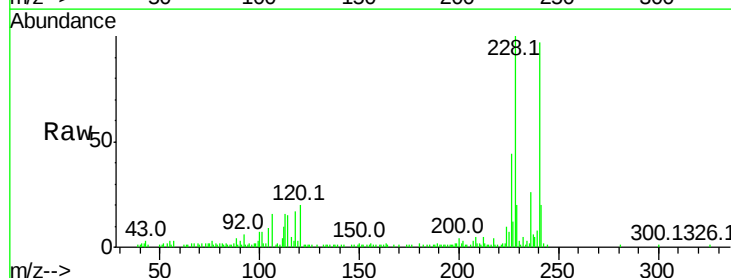
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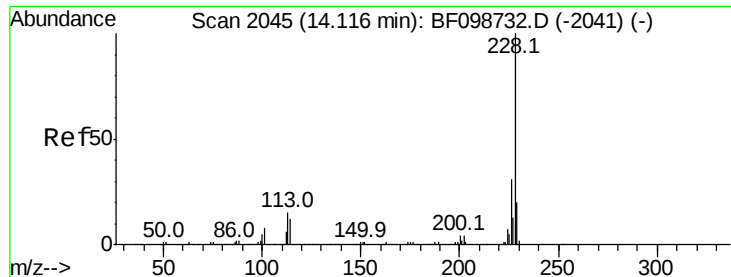
Sohil
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#80
 Benzo(a)anthracene
 Concen: 3.343 ng m
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: BF098920.D
 Acq: 28 Sep 2017 21:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	44.1	22.6	33.8#
229	20.0	15.8	23.6





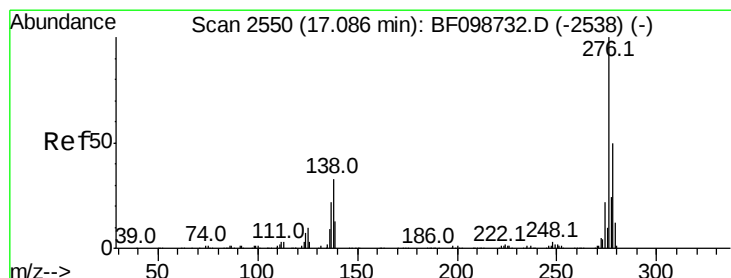
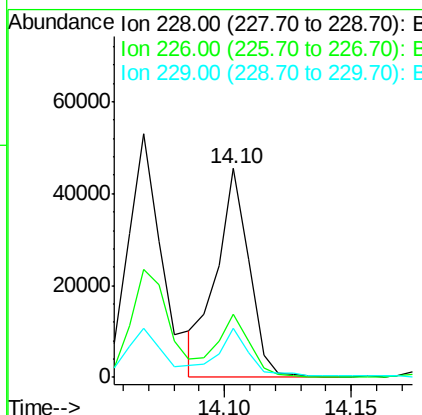
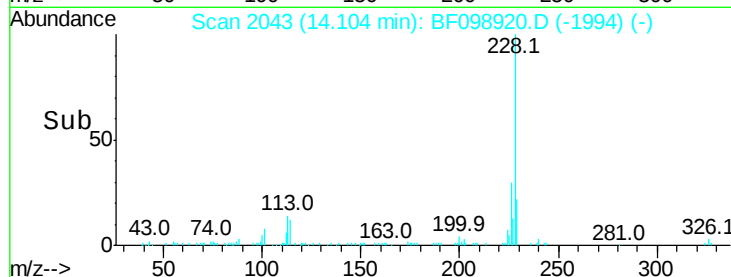
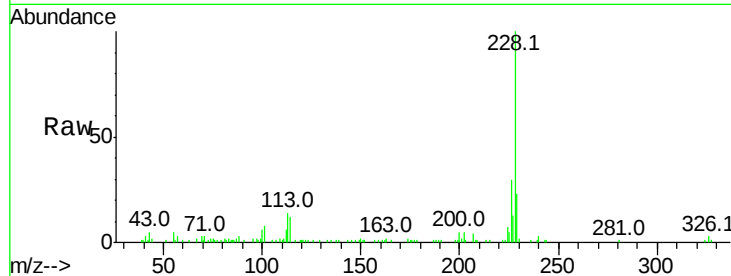
#82
Chrysene
Concen: 2.862 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Instrument :
BNA_F
ClientSampled :
W-2

Tot Ion:	228	Resp:	40952
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.0	37.6
229	23.4	16.2	24.4

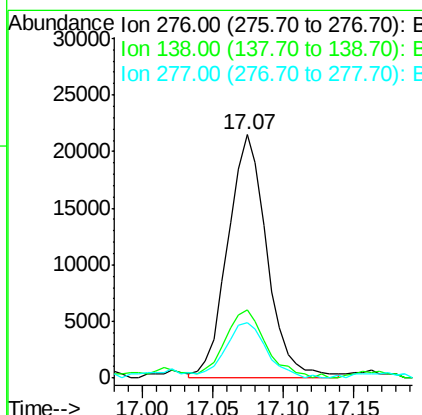
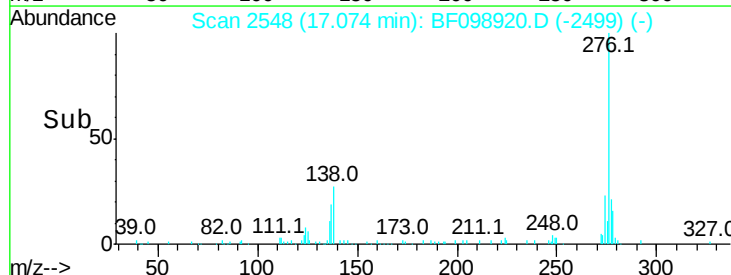
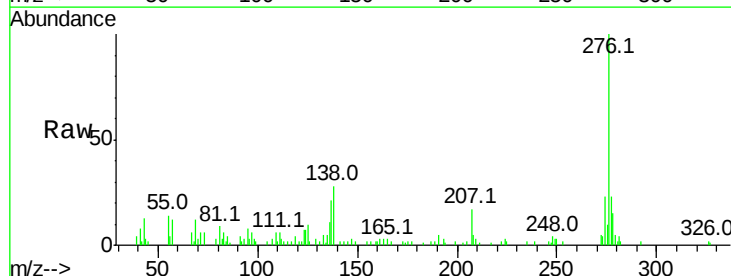
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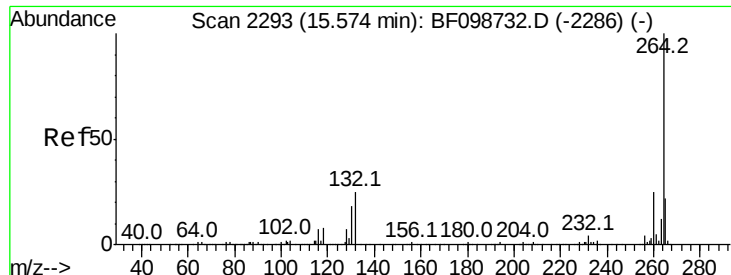
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.650 ng
RT: 17.07 min Scan# 2548
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Tgt Ion:	276	Resp:	41771
Ion Ratio	Lower	Upper	
276	100		
138	29.0	25.0	37.6
277	23.9	20.1	30.1





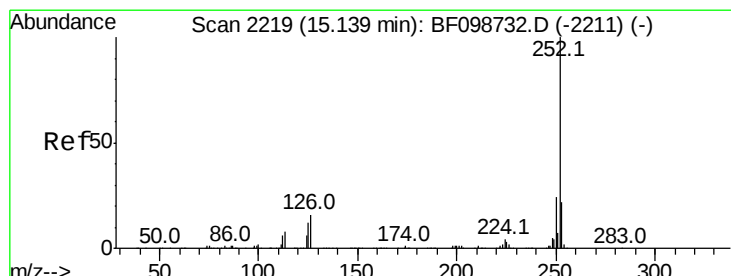
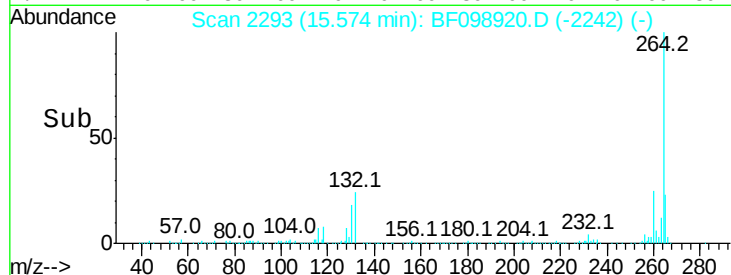
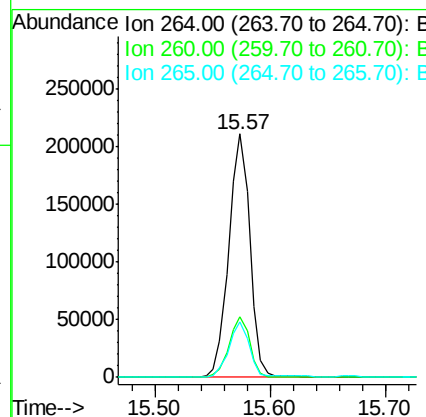
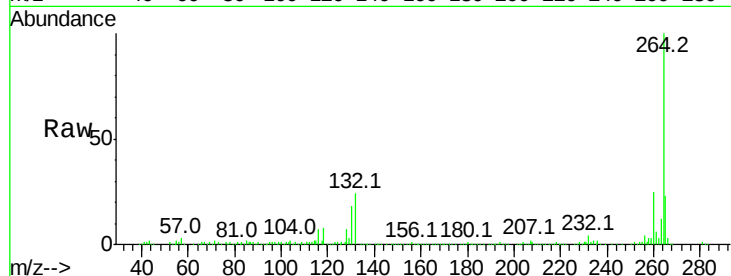
#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: BF098920.D
 Acq: 28 Sep 2017 21:31

Instrument :
 BNA_F
 ClientSampled :
 W-2

Tot Ion:	264	Resp:	268338
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.2	28.8
265	22.7	17.5	26.3

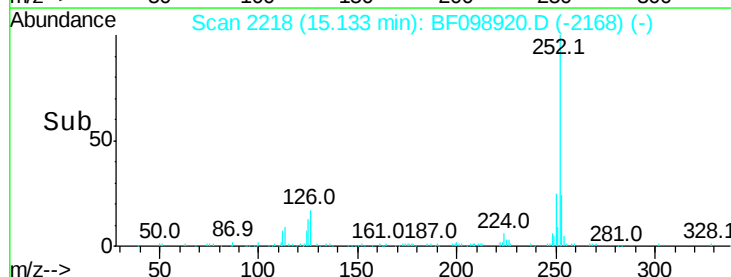
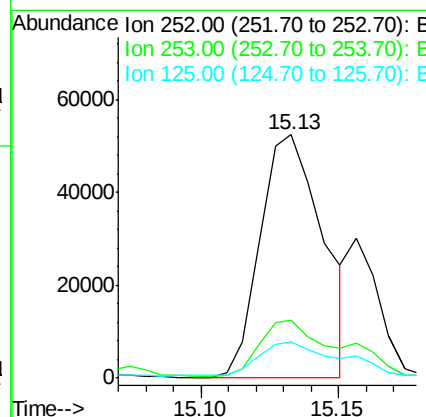
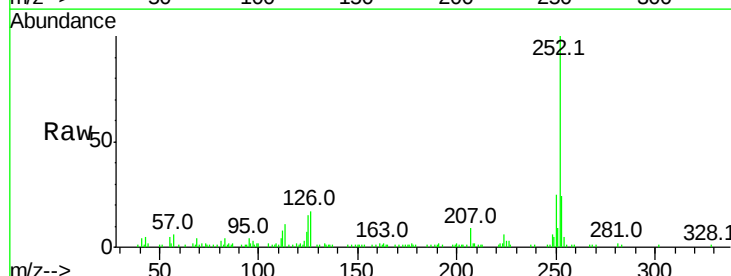
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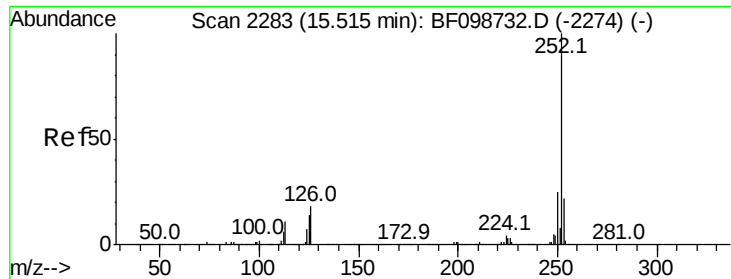
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 9/29/2017 6:04:33 PM



#87
 Benzo(b)fluoranthene
 Concen: 5.057 ng m
 RT: 15.13 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BF098920.D
 Acq: 28 Sep 2017 21:31

Tgt Ion:	252	Resp:	83440
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.0	25.6
125	15.0	9.0	13.6#





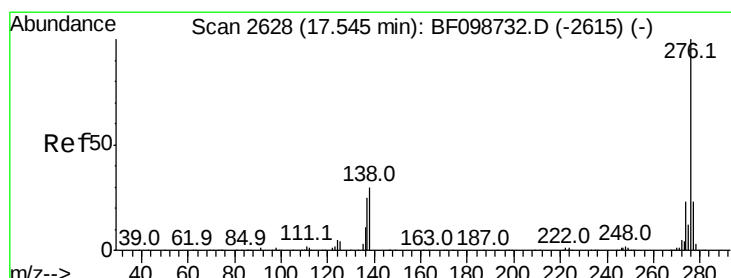
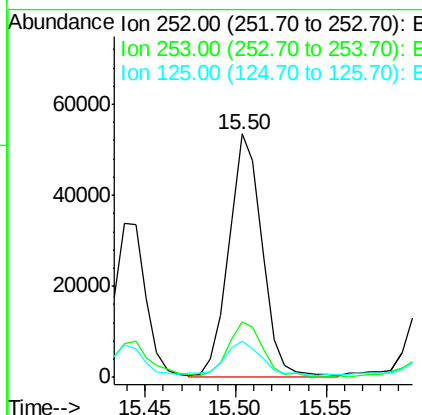
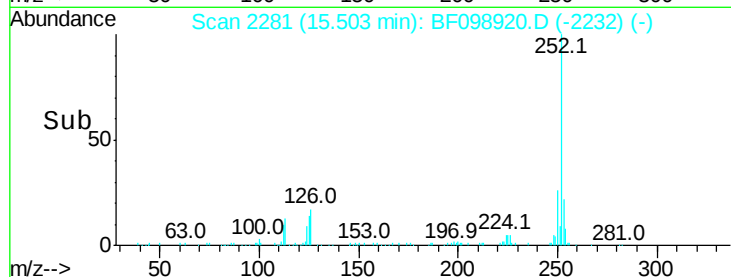
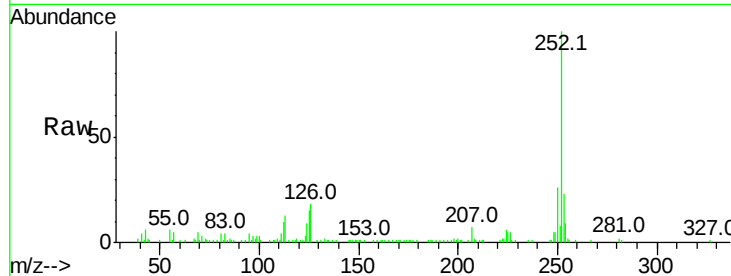
#89
Benzo(a)pyrene
Concen: 4.550 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Instrument :
BNA_F
ClientSampled :
W-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	14.8	9.8	14.6

Manual Integrations
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9/29/2017 6:04:33 PM



#91
Benzo(g,h,i)perylene
Concen: 3.033 ng
RT: 17.53 min Scan# 2626
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	17.9	26.9
138	32.5	21.8	32.8

