

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098172.D
 Acq On : 30 Aug 2017 22:54
 Operator : SJ/JU
 Sample : I5024-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082917-A

Manual Integrations
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 8/31/2017 7:12:29 PM

Quant Time: Aug 31 07:50:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	116083	20.00	ng	-0.03
21) Naphthalene-d8	8.00	136	454288	20.00	ng	-0.03
38) Acenaphthene-d10	9.76	164	187770	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	307840	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	248756	20.00	ng	-0.03
86) Perylene-d12	15.29	264	186978	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	992017	129.99	ng	-0.01
7) Phenol-d6	6.37	99	1355281	130.70	ng	-0.02
23) Nitrobenzene-d5	7.29	82	832058	99.50	ng	-0.03
41) 2,4,6-Tribromophenol	10.55	330	191909	117.79	ng	-0.03
44) 2-Fluorobiphenyl	9.09	172	1145815	89.65	ng	-0.02
78) Terphenyl-d14	12.83	244	796914	66.81	ng	-0.02
Target Compounds						
48) Acenaphthylene	9.62	152	53357	2.686	ng	97
49) Dimethylphthalate	9.47	163	192865	14.052	ng	99
70) Phenanthrene	11.26	178	123005	7.499	ng	98
74) Fluoranthene	12.44	202	88515	5.170	ng	97
77) Pyrene	12.67	202	148794	7.313	ng	97
80) Benzo(a)anthracene	13.86	228	50980m	3.419	ng	
82) Chrysene	13.90	228	58259	3.928	ng	96
87) Benzo(b)fluoranthene	14.89	252	42274m	3.587	ng	
89) Benzo(a)pyrene	15.23	252	35377	3.391	ng	# 84
91) Benzo(g,h,i)perylene	17.07	276	23320	2.631	ng	96

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

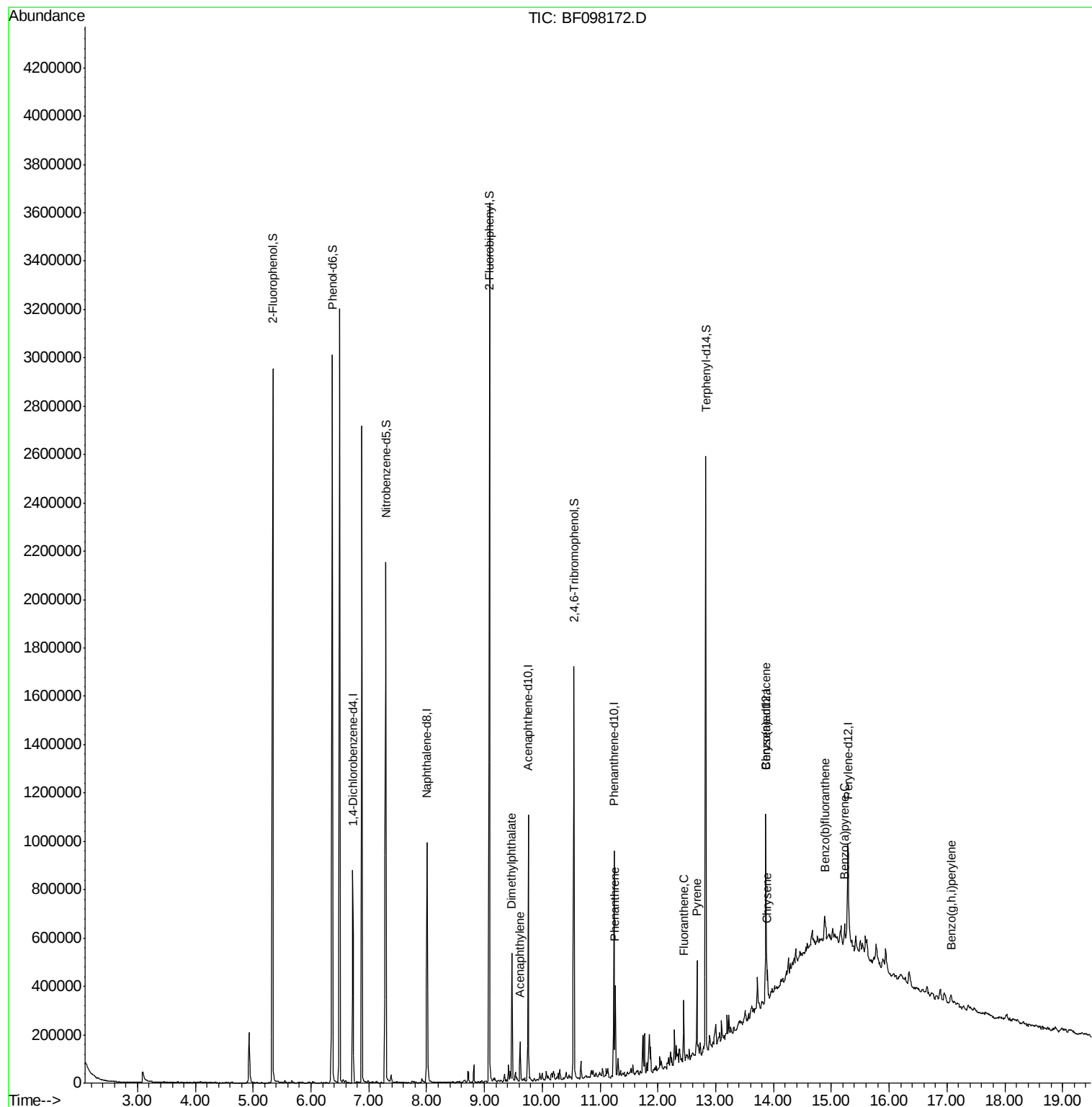
Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098172.D
Acq On : 30 Aug 2017 22:54
Operator : SJ/JU
Sample : I5024-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

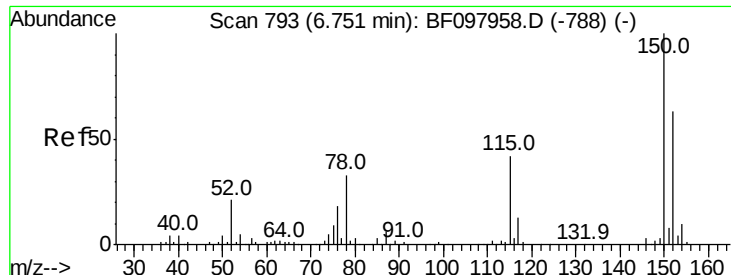
Instrument :
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ClientSampleId :
CL-01-082917-A

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Quant Time: Aug 31 07:50:14 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

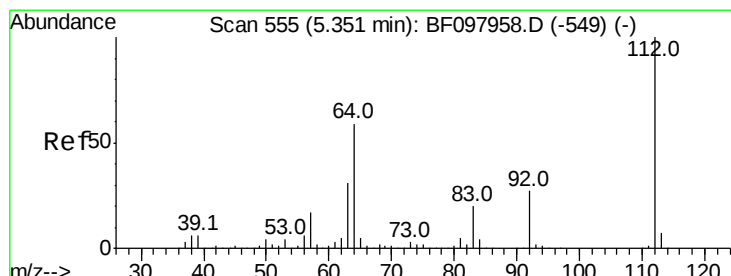
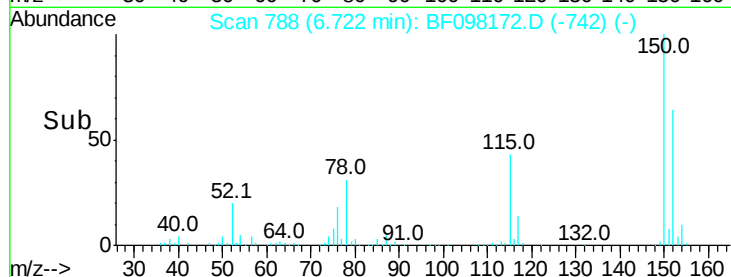
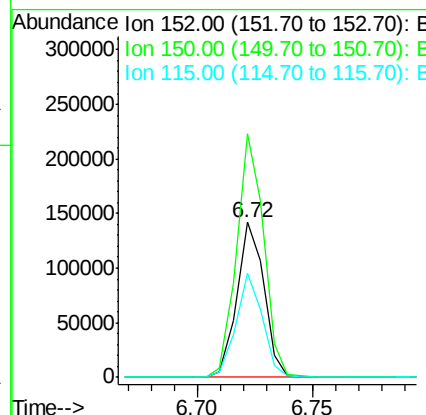
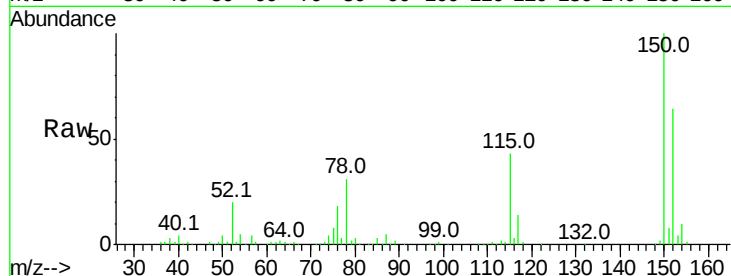
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.03 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

Instrument :
BNA_F
ClientSampleId :
CL-01-082917-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.2	189.2
115	67.5	52.2	78.2

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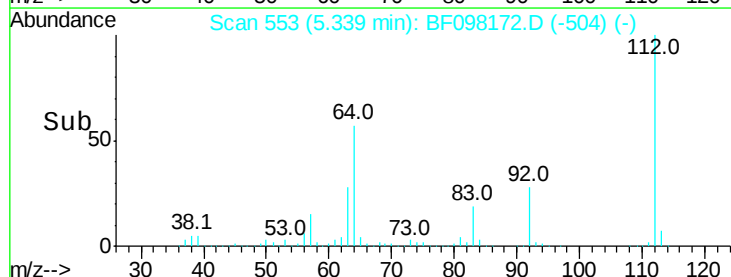
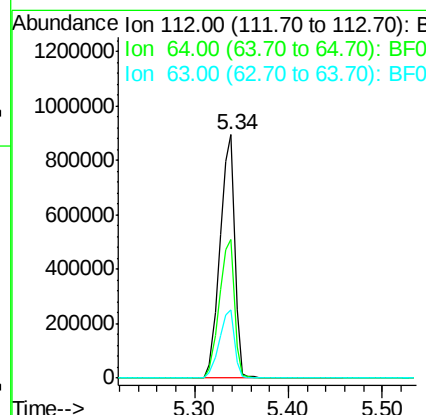
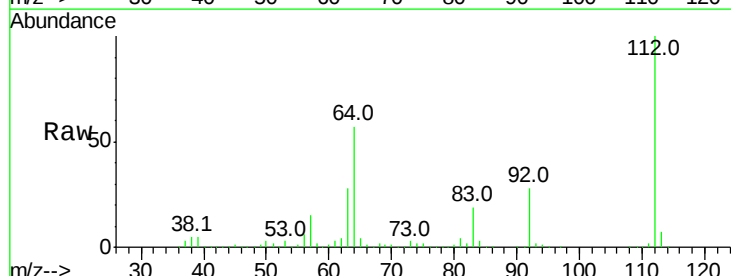
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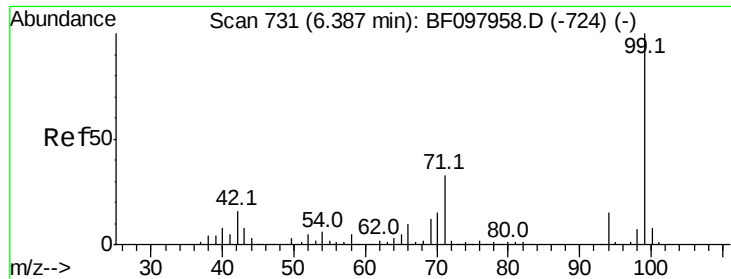


#5

2-Fluorophenol
Concen: 129.987 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	46.0	69.0
63	27.8	23.4	35.0





#7

Phenol-d6

Concen: 130.702 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF098172.D

Acq: 30 Aug 2017 22:54

Instrument :

BNA_F

ClientSampleId :

CL-01-082917-A

Tot Ion: 99 Resp: 1355281

Ion Ratio Lower Upper

99 100

42 14.2 13.5 20.3

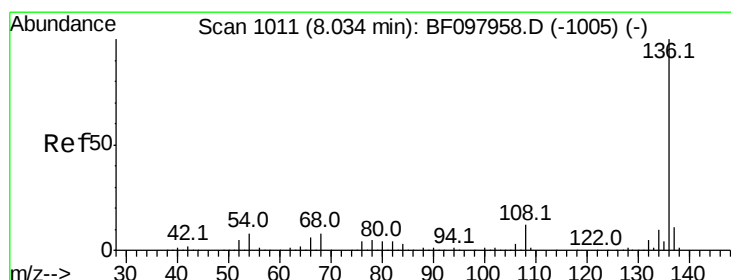
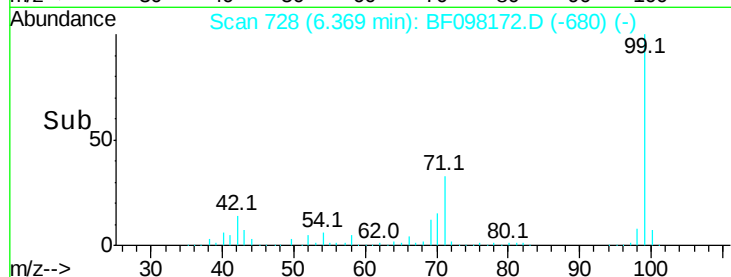
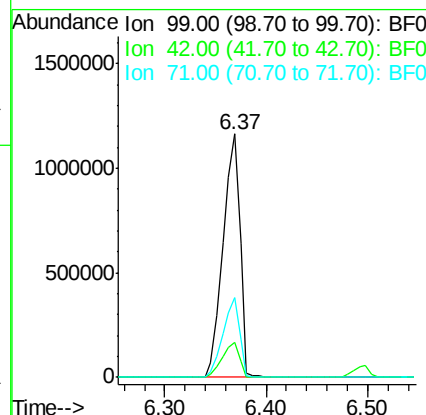
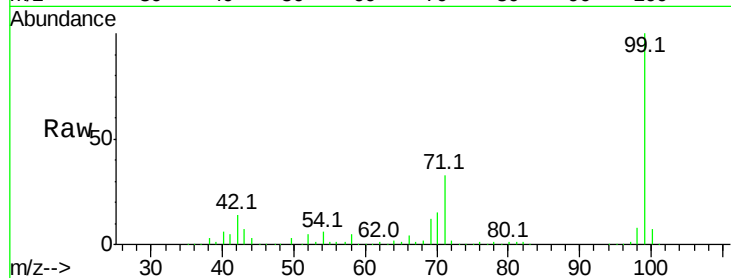
71 32.6 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BF098172.D

Acq: 30 Aug 2017 22:54

Tgt Ion: 136 Resp: 454288

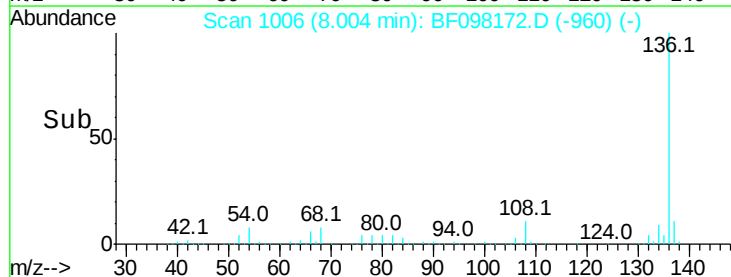
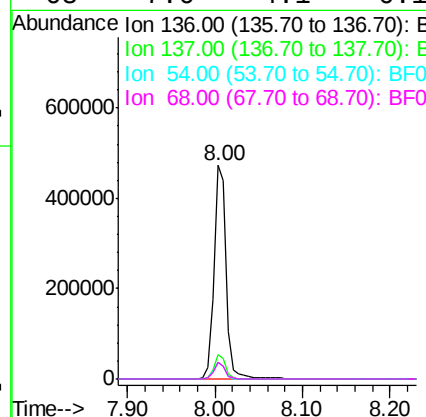
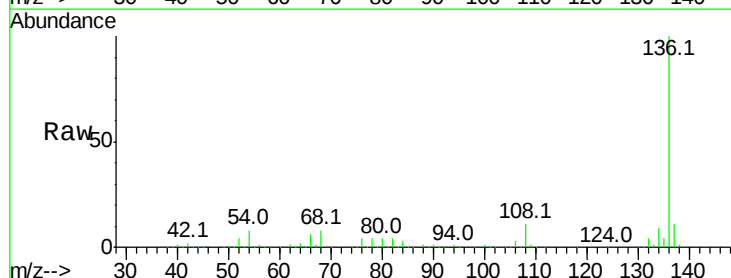
Ion Ratio Lower Upper

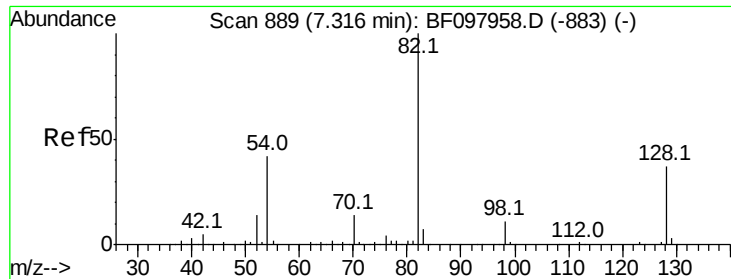
136 100

137 11.3 8.5 12.7

54 8.0 4.9 7.3#

68 7.6 4.1 6.1#





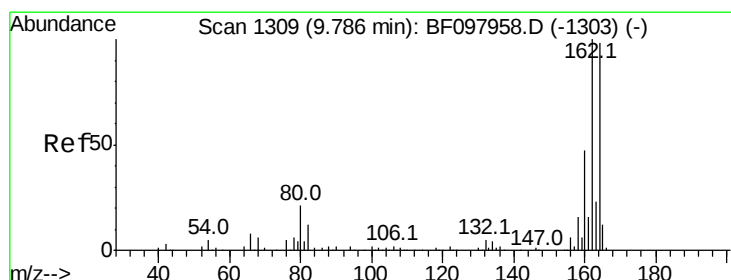
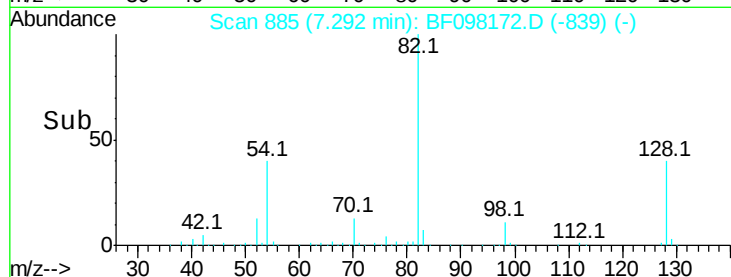
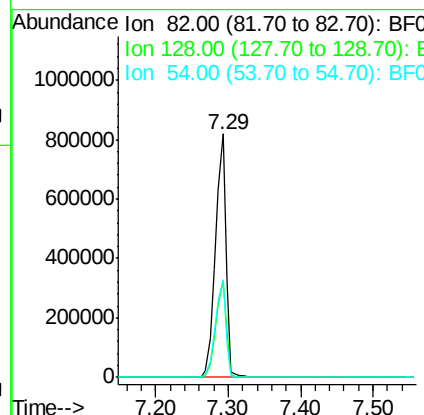
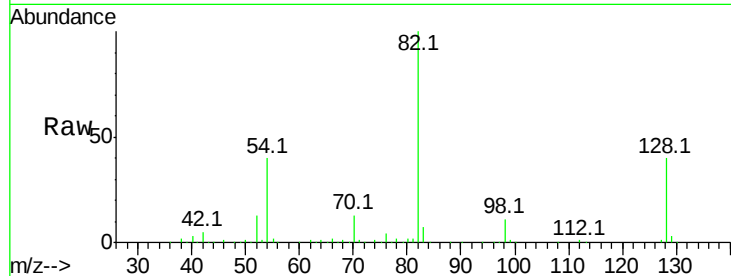
#23
 Nitrobenzene-d5
 Concen: 99.499 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.03 min
 Lab File: BF098172.D
 Acq: 30 Aug 2017 22:54

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082917-A

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.6	34.0	51.0	
54	40.0	42.2	63.2	

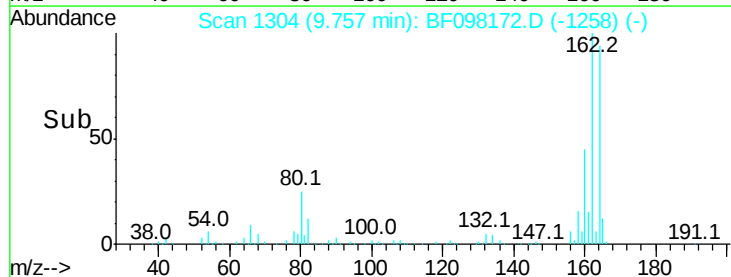
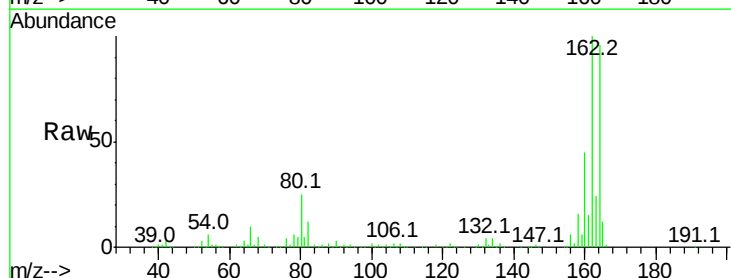
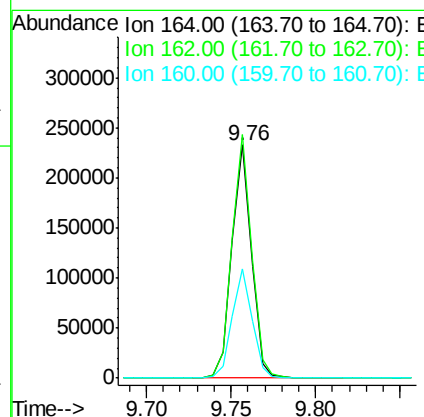
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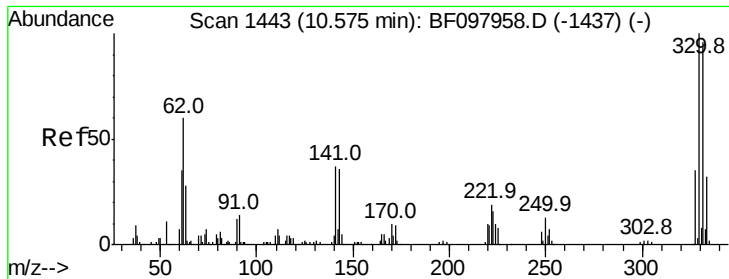
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.03 min
 Lab File: BF098172.D
 Acq: 30 Aug 2017 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.6	82.6	123.8	
160	46.7	36.2	54.2	





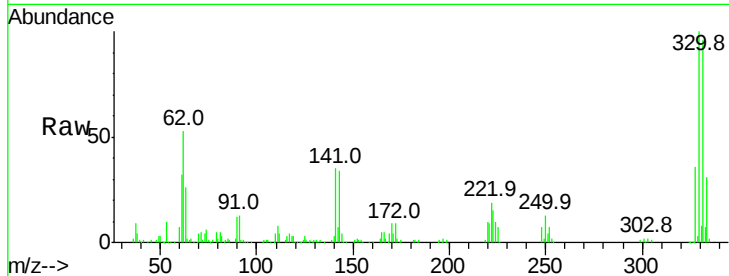
#41
 2,4,6-Tribromophenol
 Concen: 117.793 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098172.D
 Acq: 30 Aug 2017 22:54

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082917-A

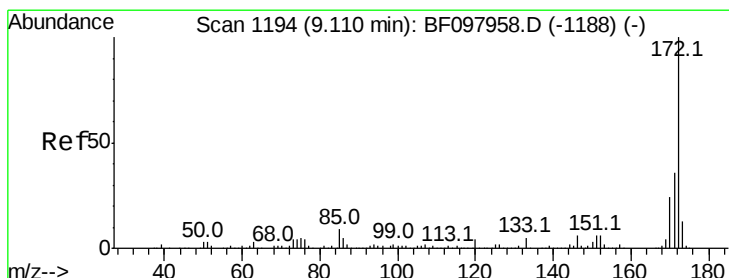
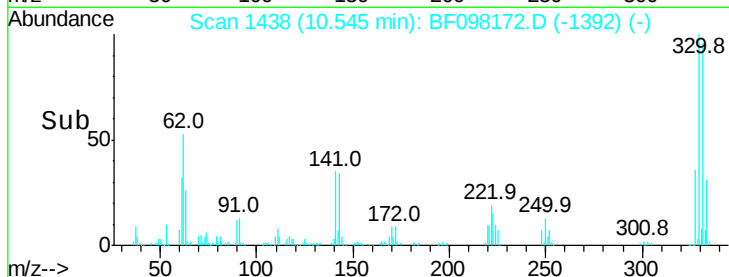
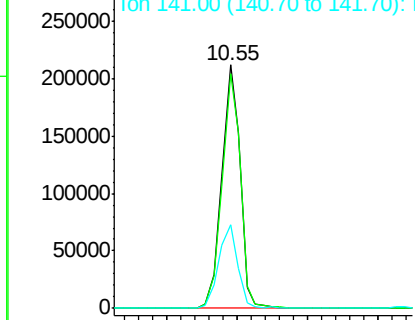
Tot Ion	Ratio	Resp	Lower	Upper
330	100	191909		
332	97.1	76.6	115.0	
141	35.6	31.4	47.2	

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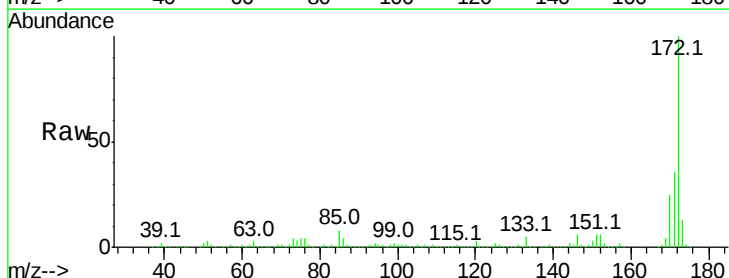


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

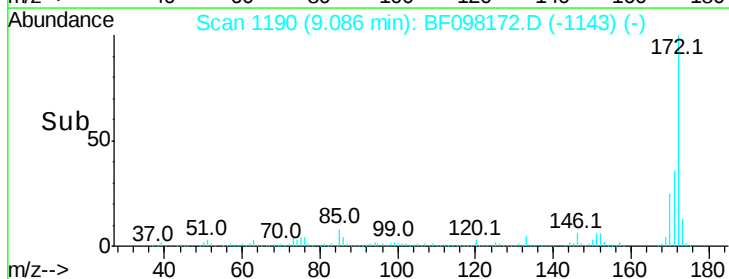
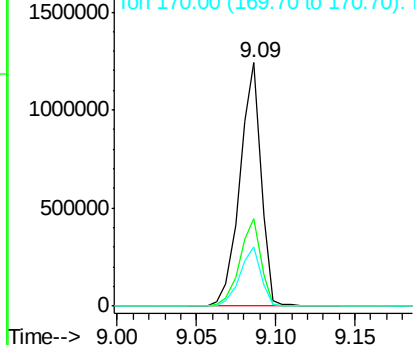


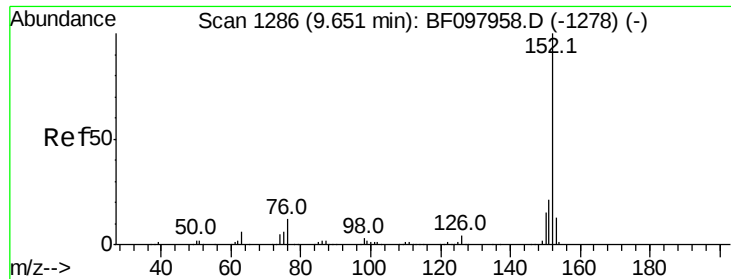
#44
 2-Fluorobiphenyl
 Concen: 89.654 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.02 min
 Lab File: BF098172.D
 Acq: 30 Aug 2017 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1145815		
171	36.0	29.6	44.4	
170	24.5	19.8	29.8	



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





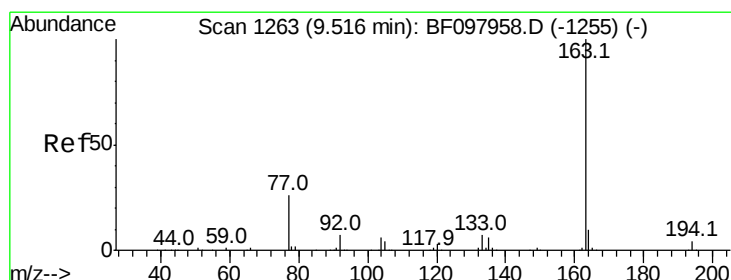
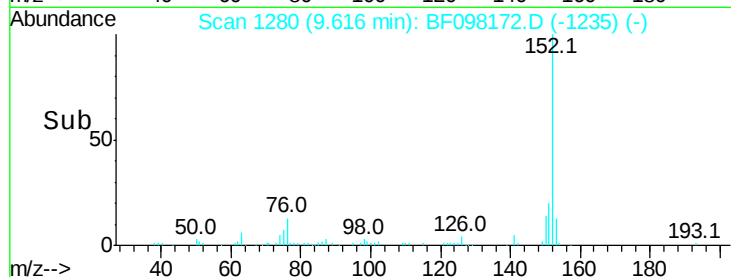
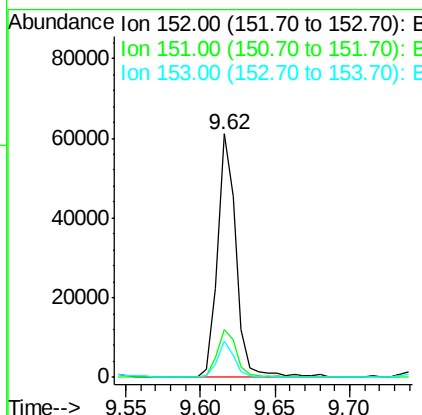
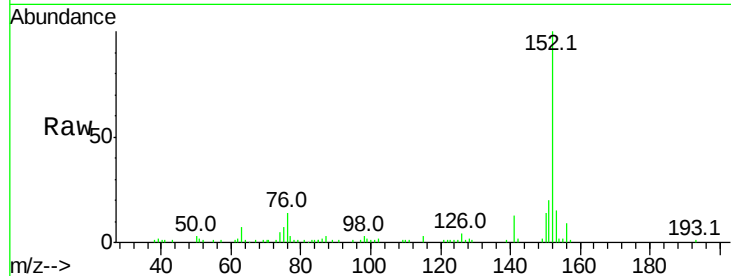
#48
Acenaphthylene
Concen: 2.686 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.04 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

Instrument :
BNA_F
ClientSampleId :
CL-01-082917-A

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.8	25.2
153	14.6	10.8	16.2

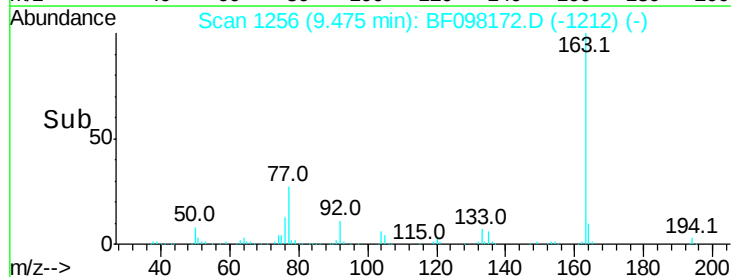
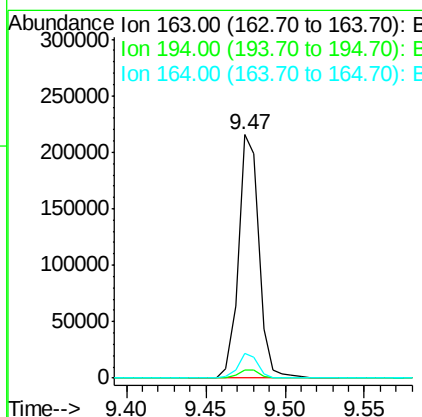
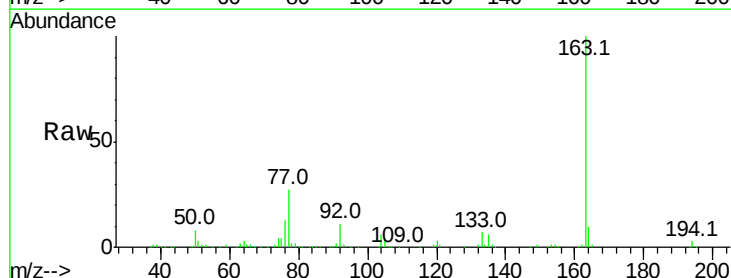
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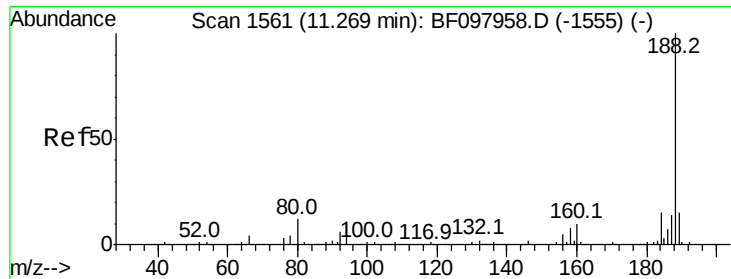
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#49
Dimethylphthalate
Concen: 14.052 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.04 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.2	8.4	12.6





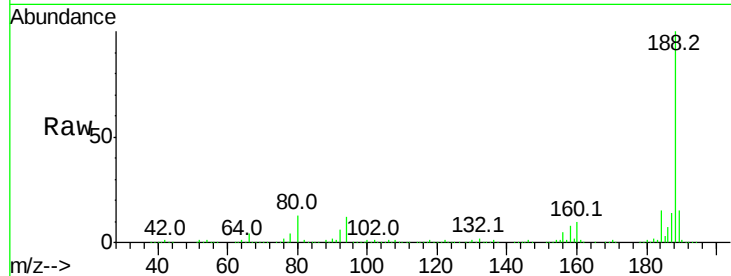
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.02 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

Instrument :
BNA_F
ClientSampleId :
CL-01-082917-A

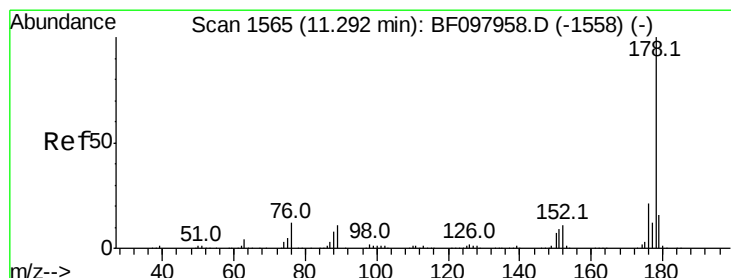
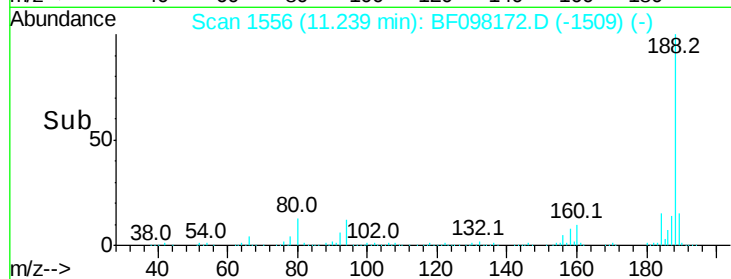
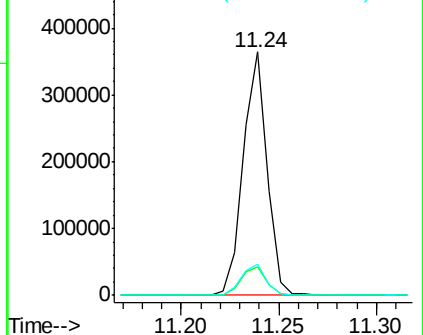
Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.6	9.4	14.2	
80	12.7	10.2	15.2	

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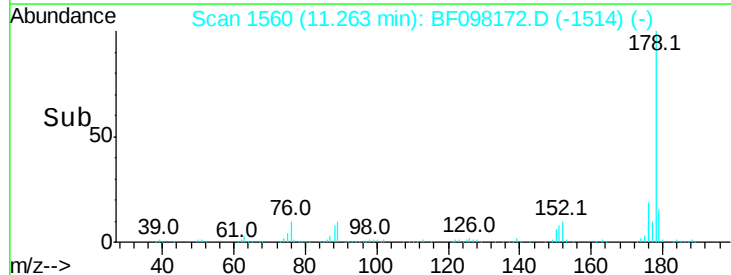
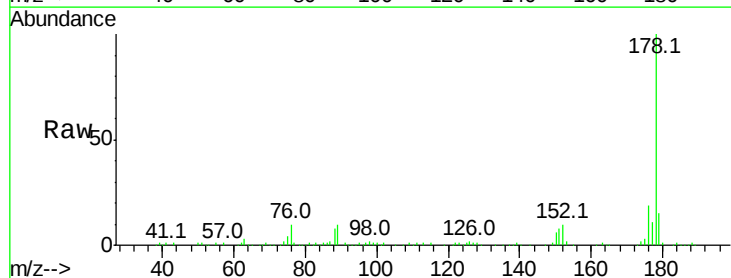
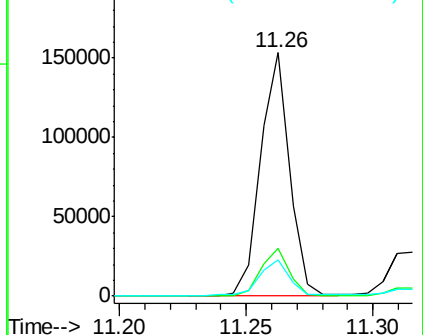
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

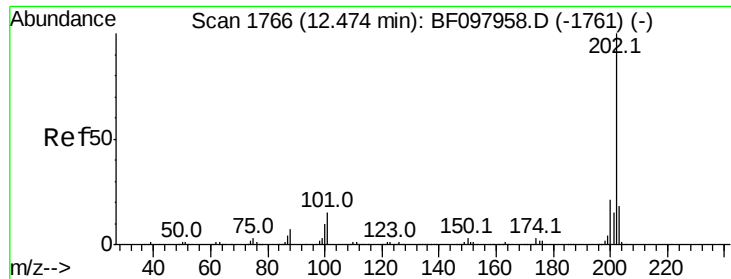


#70
Phenanthrene
Concen: 7.499 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.03 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.5	16.2	24.4	
179	15.2	12.6	19.0	

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





#74

Fluoranthene

Concen: 5.170 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.03 min

Lab File: BF098172.D

Acq: 30 Aug 2017 22:54

Instrument :

BNA_F

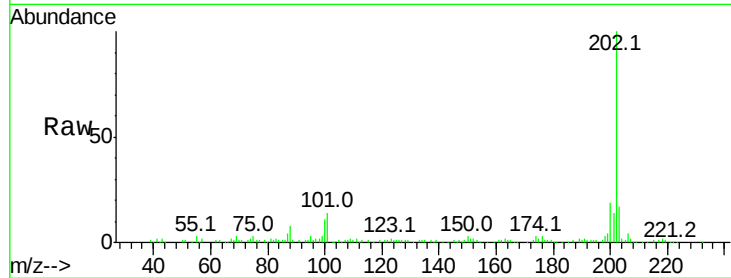
ClientSampleId :

CL-01-082917-A

Tot Ion	Ratio	Resp	Lower	Upper
202	100	88515		
101	14.4	0.0	33.2	
203	17.0	0.0	38.1	

Manual Integrations
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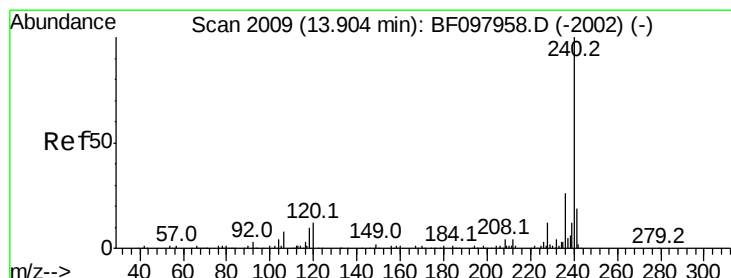
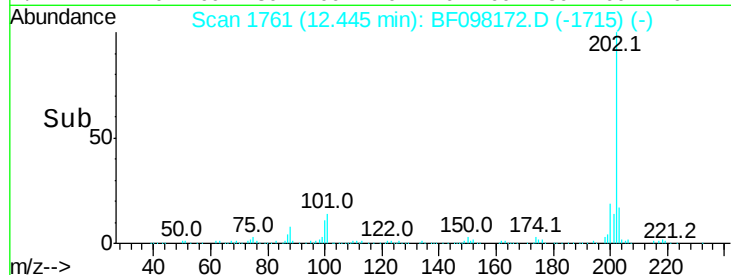
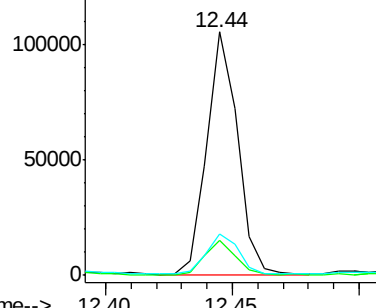
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.03 min

Lab File: BF098172.D

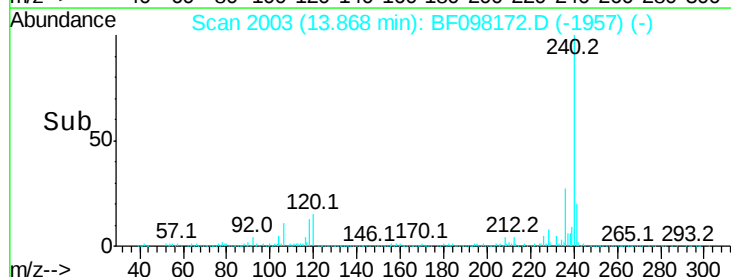
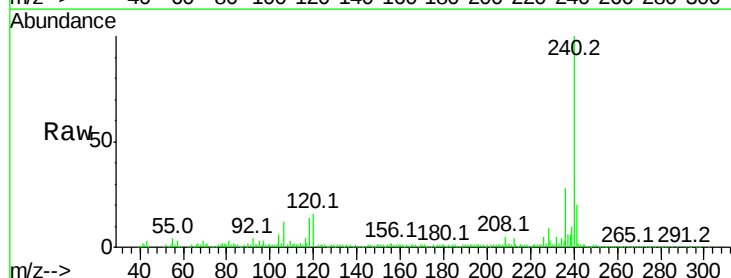
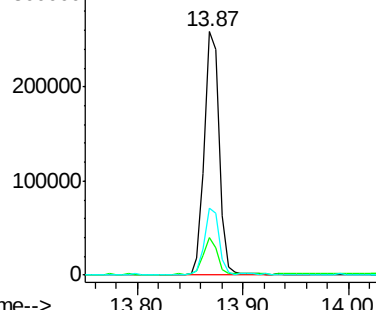
Acq: 30 Aug 2017 22:54

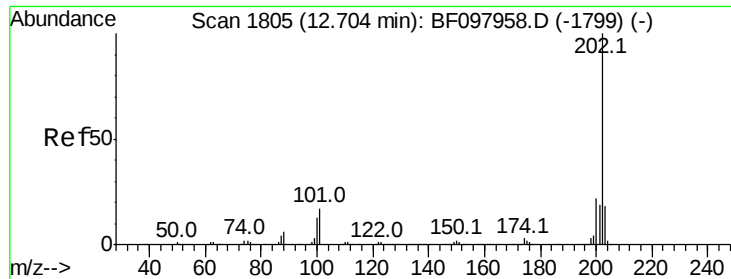
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	248756		
120	15.6	5.8	8.8#	
236	27.6	20.5	30.7	

Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.313 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.03 min

Lab File: BF098172.D

Acq: 30 Aug 2017 22:54

Instrument :

BNA_F

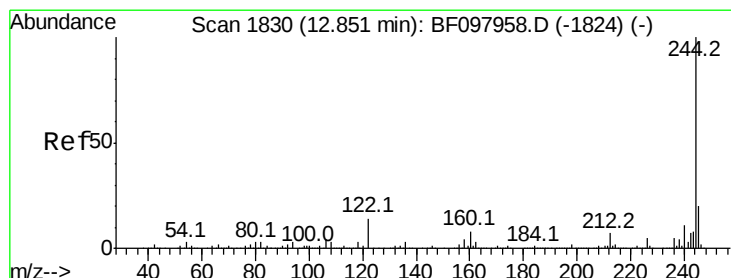
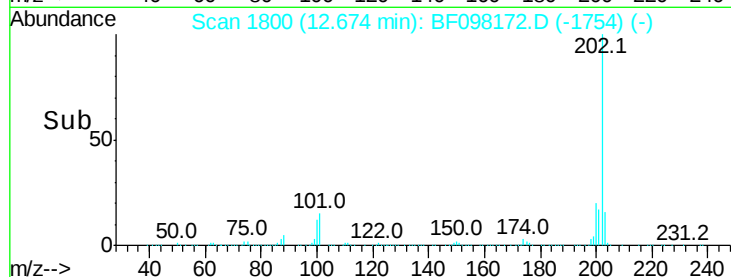
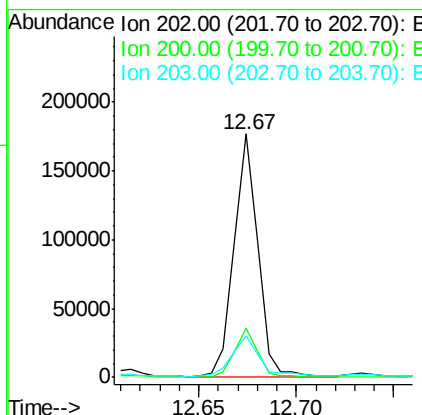
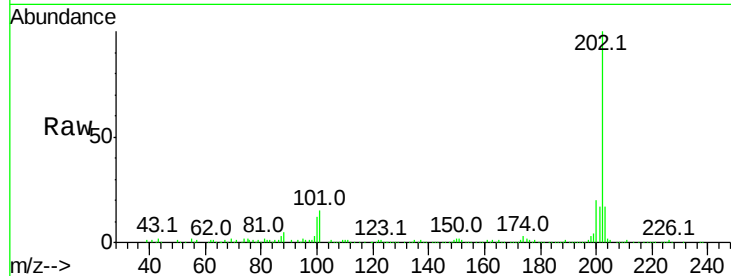
ClientSampleId :

CL-01-082917-A

Tot Ion:	202	Resp:	148794
Ion Ratio	Lower	Upper	
202	100		
200	20.1	17.6	26.4
203	16.9	14.4	21.6

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#78

Terphenyl-d14

Concen: 66.806 ng

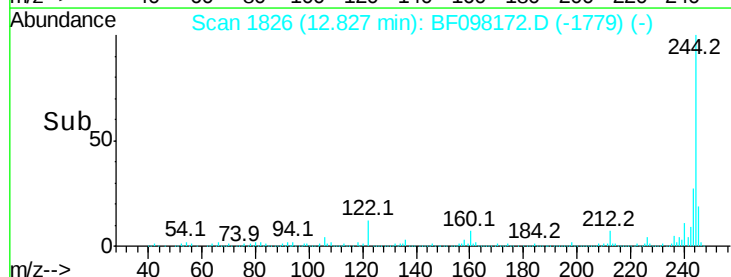
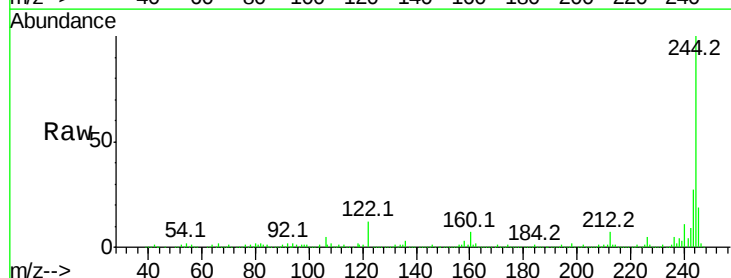
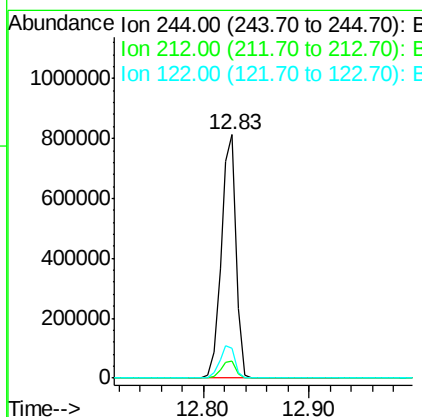
RT: 12.83 min Scan# 1826

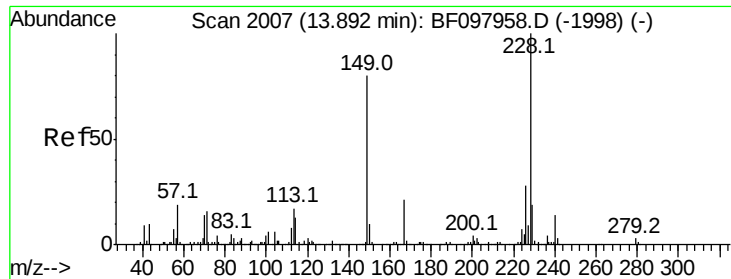
Delta R.T. -0.02 min

Lab File: BF098172.D

Acq: 30 Aug 2017 22:54

Tgt Ion:	244	Resp:	796914
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	12.3	10.3	15.5





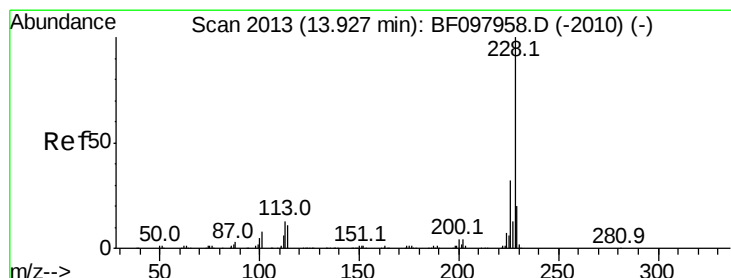
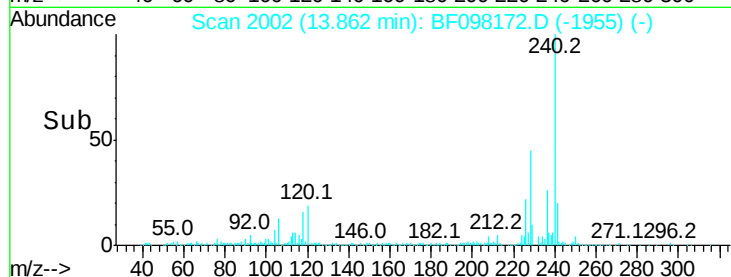
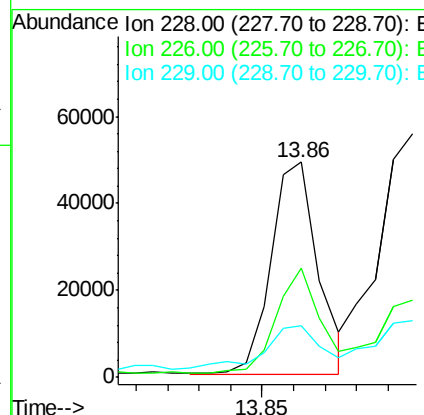
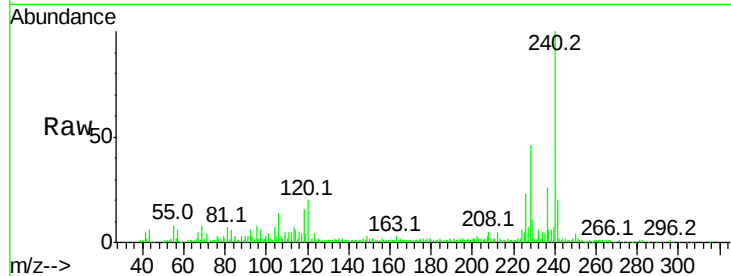
#80
Benzo(a)anthracene
Concen: 3.419 ng m
RT: 13.86 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

Instrument :
BNA_F
ClientSampleId :
CL-01-082917-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	50.8	22.6	33.8#
229	24.2	16.3	24.5

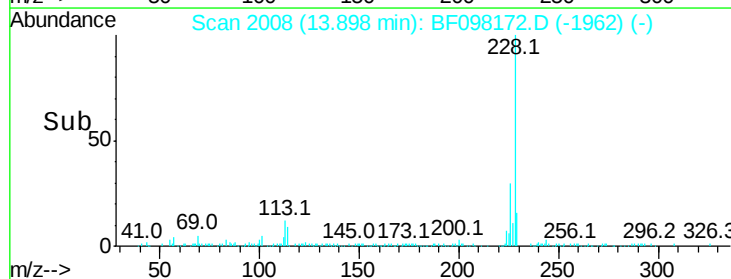
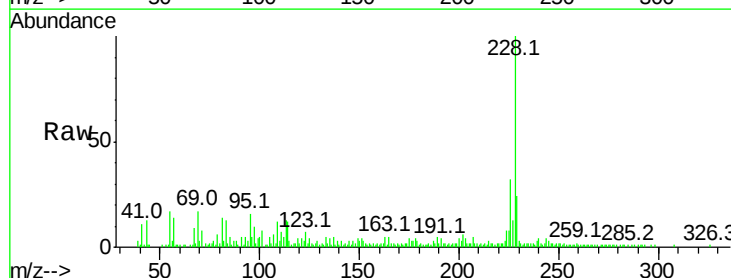
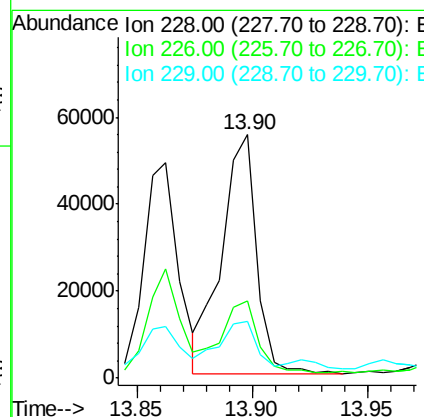
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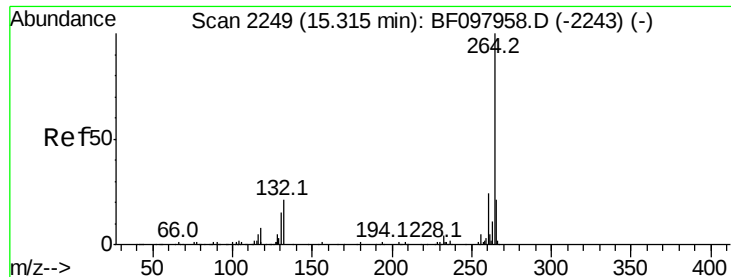
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#82
Chrysene
Concen: 3.928 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.03 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	24.9	37.3
229	23.6	15.8	23.6





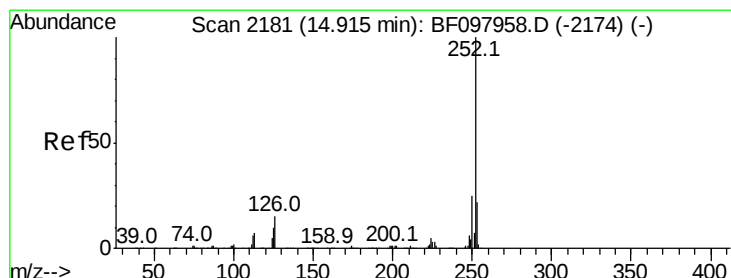
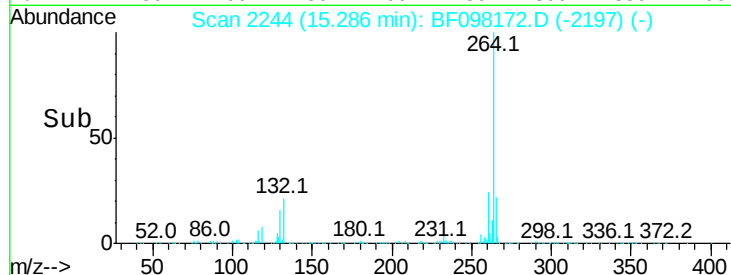
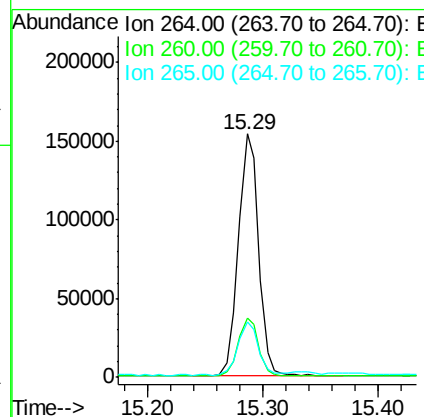
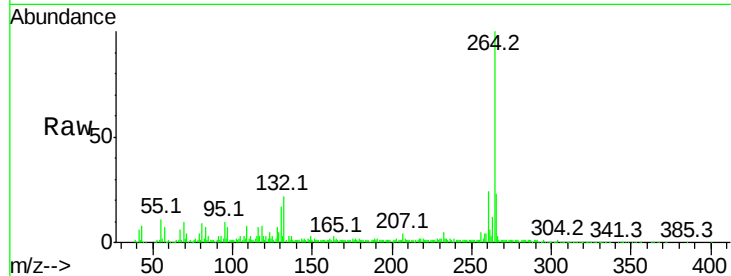
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.02 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

Instrument :
BNA_F
ClientSampleId :
CL-01-082917-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.7	17.2	25.8

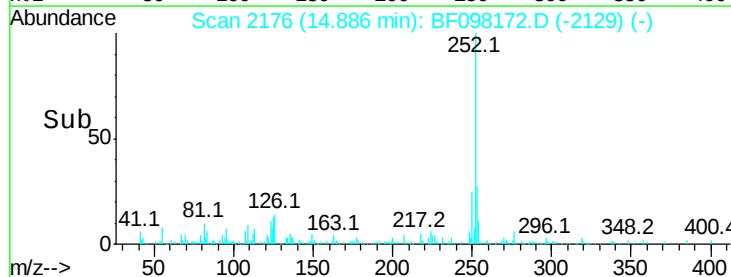
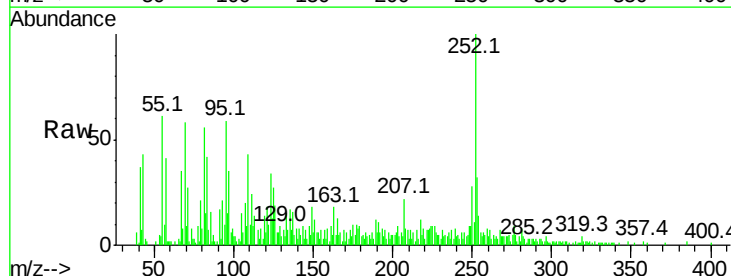
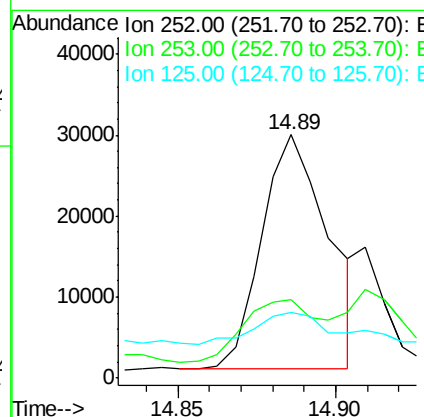
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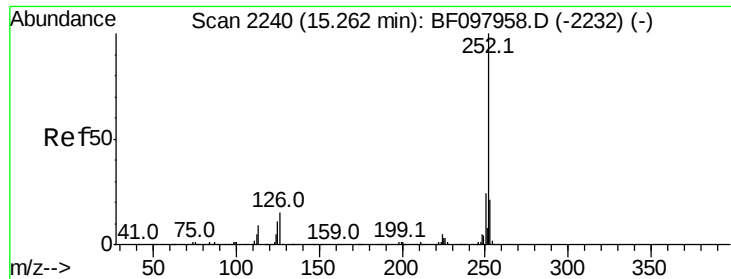
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#87
Benzo(b)fluoranthene
Concen: 3.587 ng m
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.3	18.1	27.1#
125	27.2	9.8	14.8#





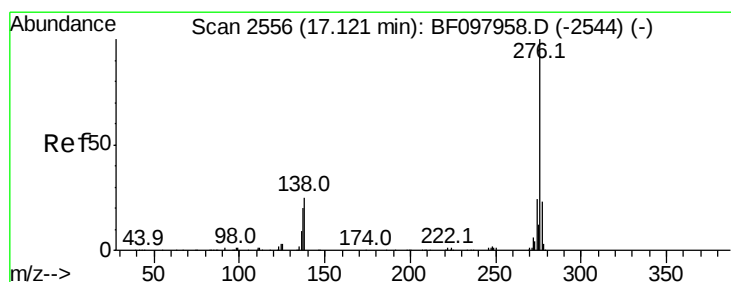
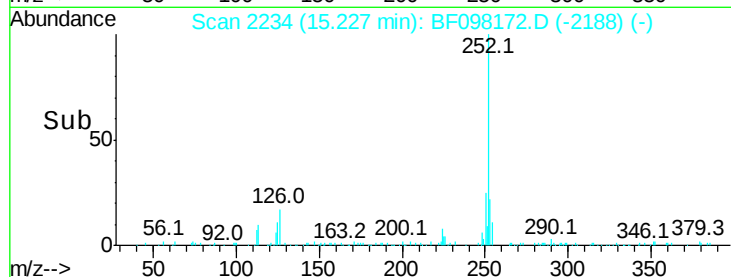
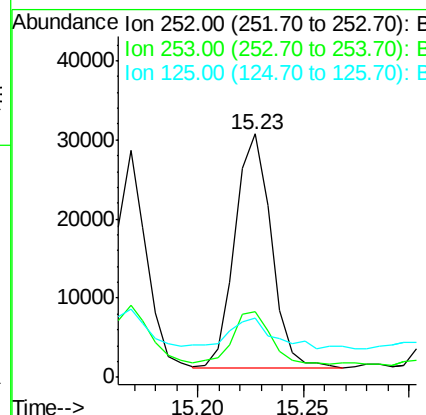
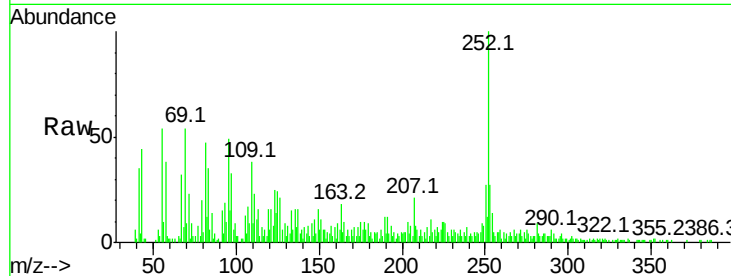
#89
Benzo(a)pyrene
Concen: 3.391 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

Instrument :
BNA_F
ClientSampleId :
CL-01-082917-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.5	26.3#
125	24.1	11.0	16.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.631 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.04 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	18.6	28.0
138	30.9	25.4	38.0

