

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098919.D
 Acq On : 28 Sep 2017 21:03
 Operator : SJ/JU
 Sample : I5440-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-1

Manual Integrations
 APPROVED

Sohil
 9/29/2017 6:04:32 PM

Quant Time: Sep 29 02:05:51 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	161402	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	647383	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	262223	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	379852	20.00	ng	0.00
75) Chrysene-d12	14.08	240	267197	20.00	ng	0.00
86) Perylene-d12	15.57	264	283682	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	1176253	116.01	ng	0.00
7) Phenol-d6	6.55	99	1435854	114.80	ng	0.00
23) Nitrobenzene-d5	7.48	82	872936	86.47	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	211292	98.47	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	1152730	73.39	ng	0.00
78) Terphenyl-d14	13.02	244	675943	57.53	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.56	94	37204	2.660	ng	99
49) Dimethylphthalate	9.66	163	279474	14.121	ng	100
70) Phenanthrene	11.46	178	194803	9.581	ng	99
74) Fluoranthene	12.65	202	233955	11.363	ng	100
77) Pyrene	12.88	202	208096	10.213	ng	97
80) Benzo(a)anthracene	14.07	228	100890	6.236	ng	98
82) Chrysene	14.10	228	91355	5.931	ng	97
85) Indeno(1,2,3-cd)pyrene	17.07	276	49666	4.031	ng	99
87) Benzo(b)fluoranthene	15.13	252	127230m	7.294	ng	
88) Benzo(k)fluoranthene	15.16	252	38903m	2.258	ng	
89) Benzo(a)pyrene	15.51	252	88396	5.521	ng	96
91) Benzo(a,h,i)perylene	17.54	276	46080	3.638	ng	93

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

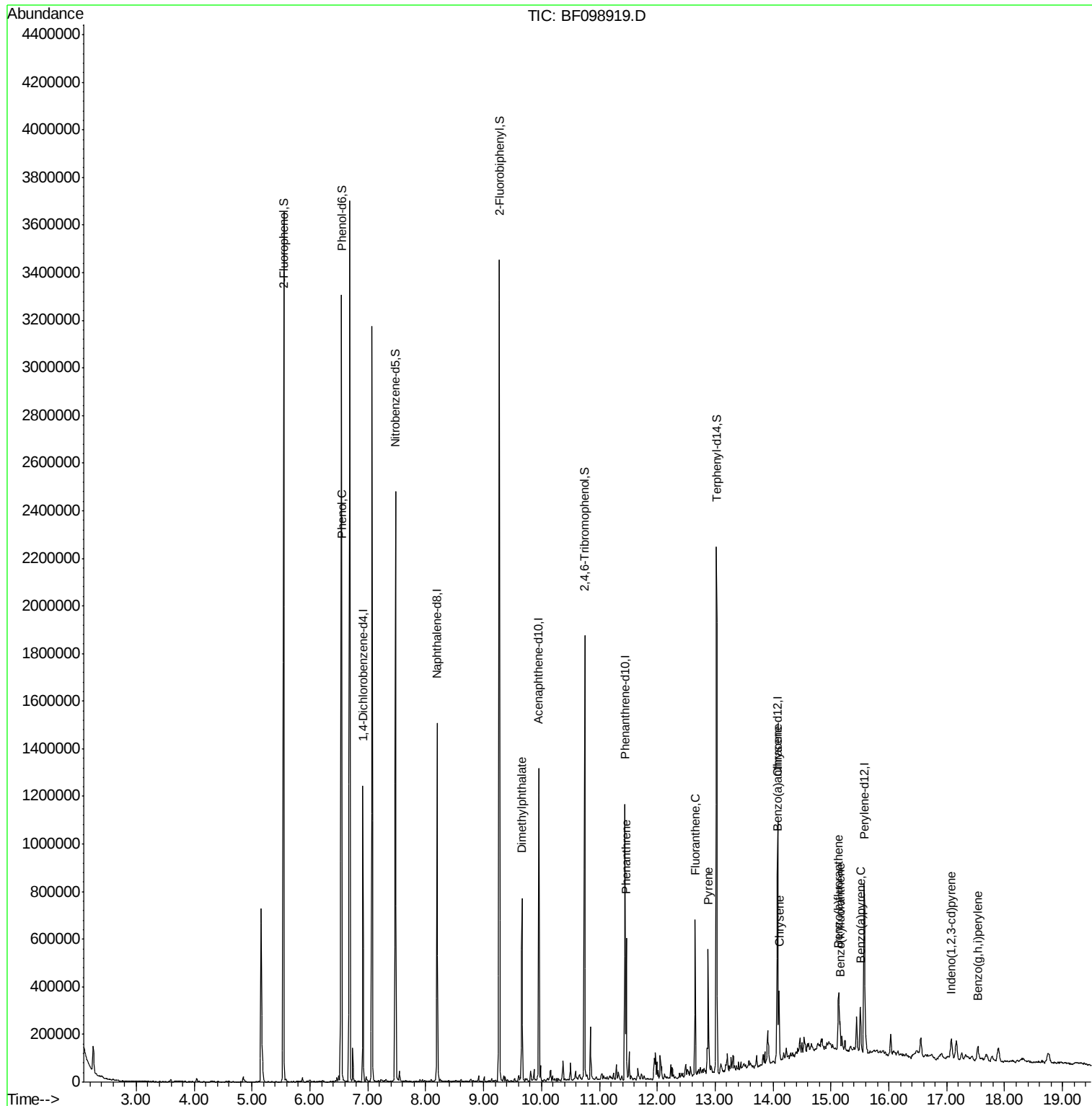
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
Data File : BF098919.D
Acq On : 28 Sep 2017 21:03
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Misc :
ALS Vial : 8 Sample Multiplier: 1

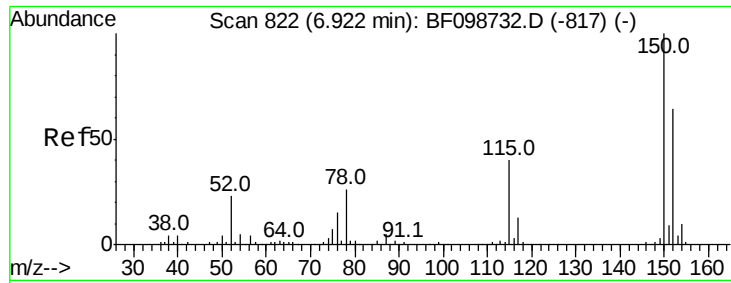
Instrument :
BNA_F
ClientSampleId :
W-1

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Quant Time: Sep 29 02:05:51 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

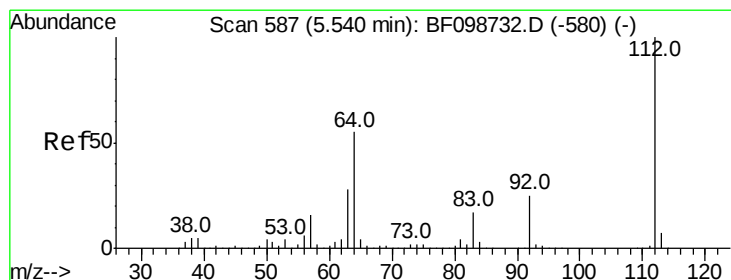
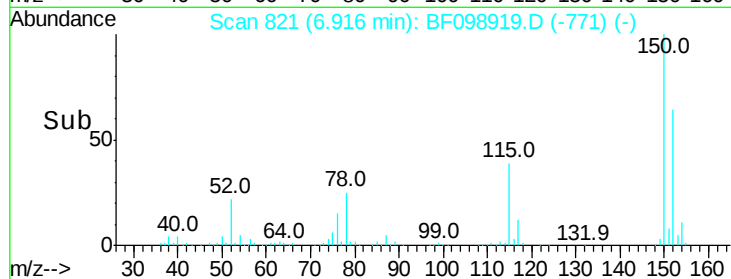
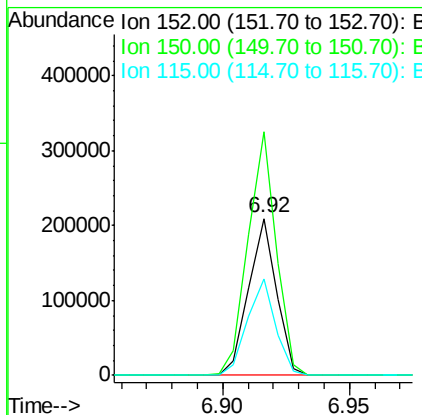
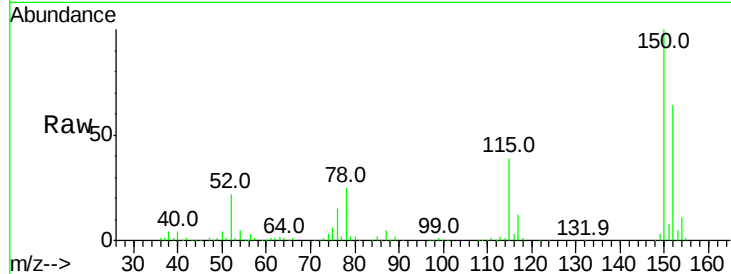
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Instrument :
BNA_F
ClientSampled :
W-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	61.3	50.1	75.1

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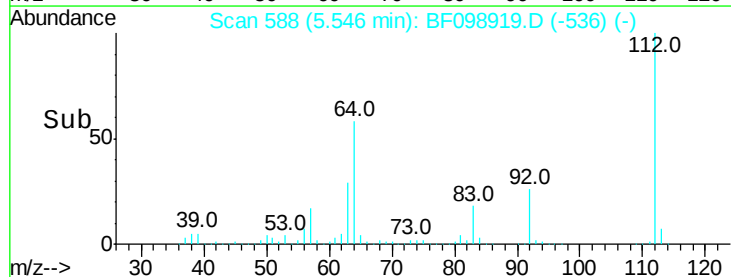
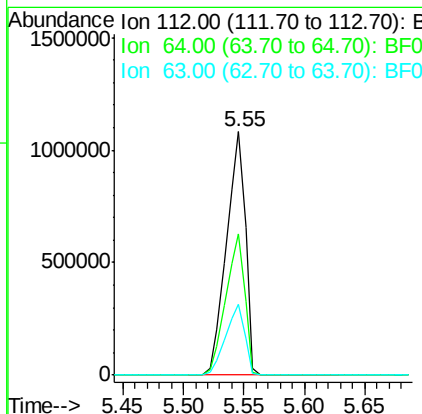
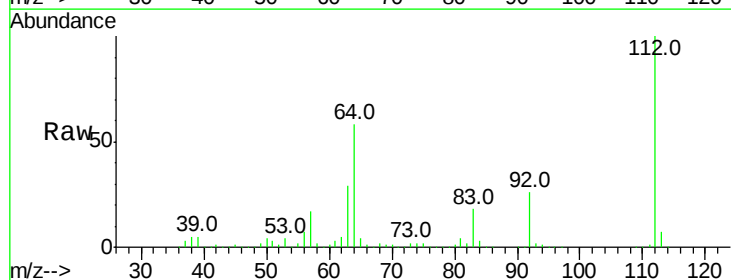
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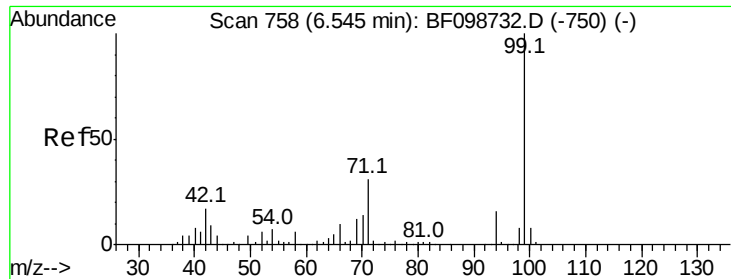


#5

2-Fluorophenol
Concen: 116.013 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.9	71.9
63	29.1	23.7	35.5





#7

Phenol-d6

Concen: 114.799 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.00 min

Lab File: BF098919.D

Acq: 28 Sep 2017 21:03

Instrument :

BNA_F

ClientSampleId :

W-1

Tot Ion: 99 Resp: 1435854

Ion Ratio Lower Upper

99 100

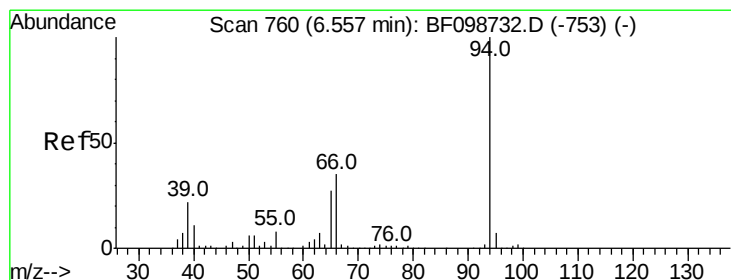
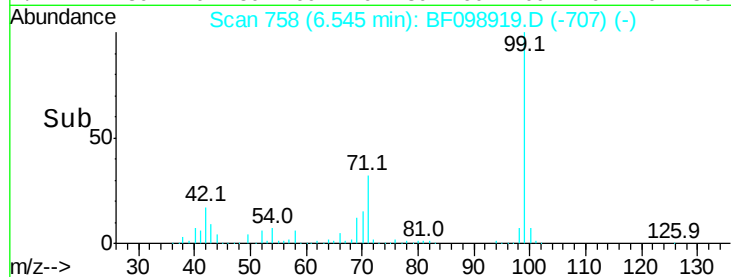
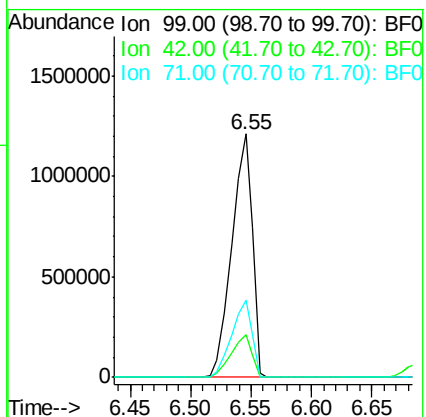
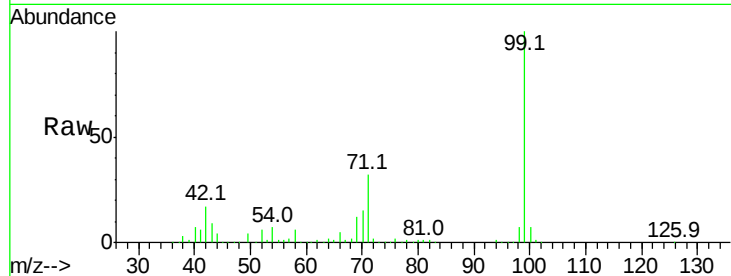
42 17.5 14.5 21.7

71 32.0 25.4 38.0

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#10

Phenol

Concen: 2.660 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.00 min

Lab File: BF098919.D

Acq: 28 Sep 2017 21:03

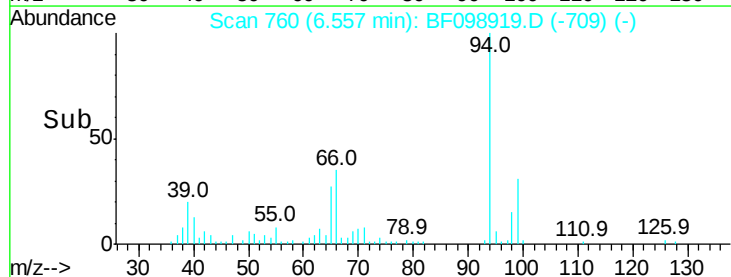
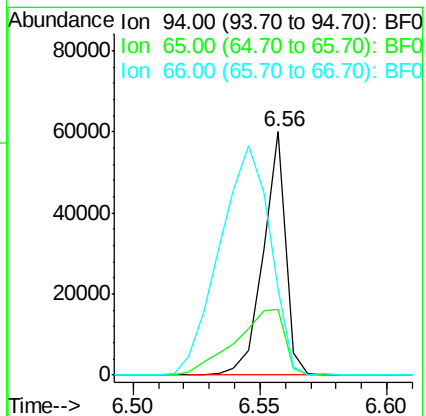
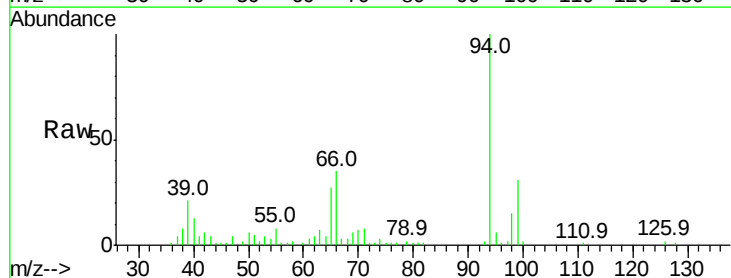
Tgt Ion: 94 Resp: 37204

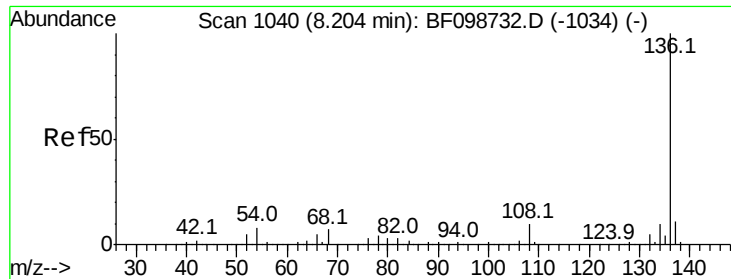
Ion Ratio Lower Upper

94 100

65 27.2 7.9 47.9

66 35.4 16.2 56.2





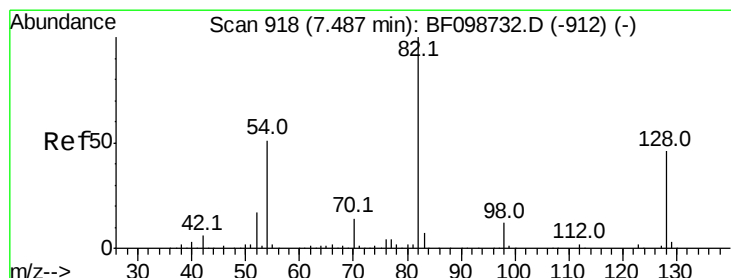
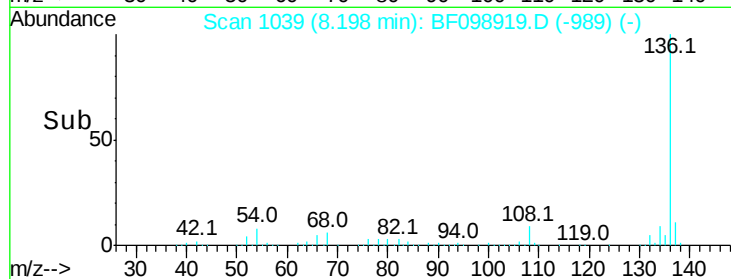
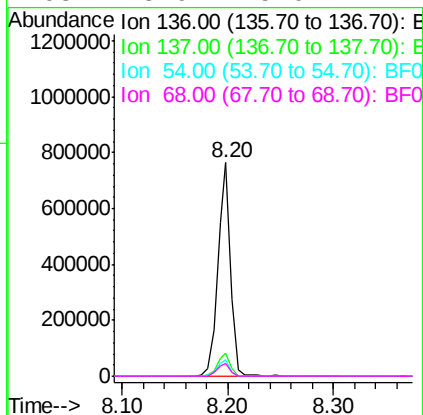
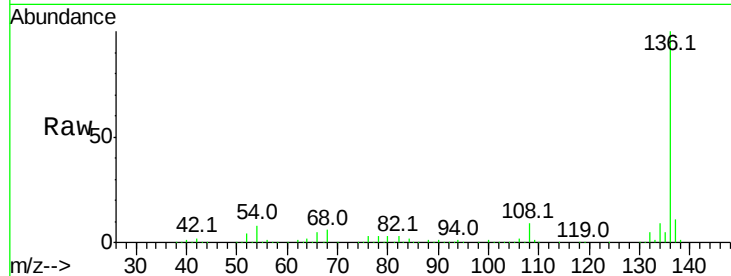
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Instrument :
BNA_F
ClientSampled :
W-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100	647383		
137	10.8	8.9	13.3	
54	7.6	6.6	9.8	
68	5.9	5.0	7.4	

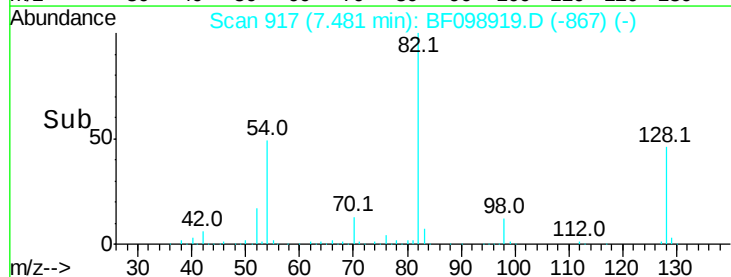
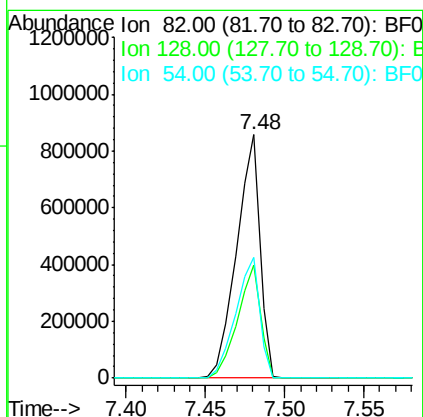
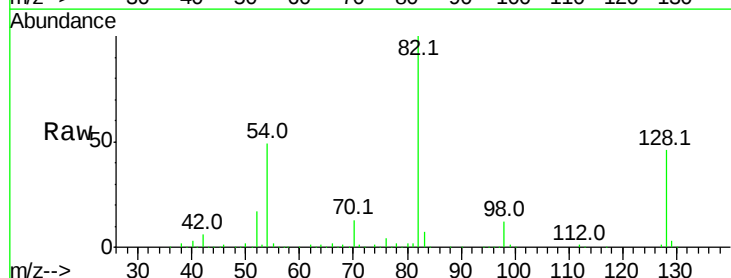
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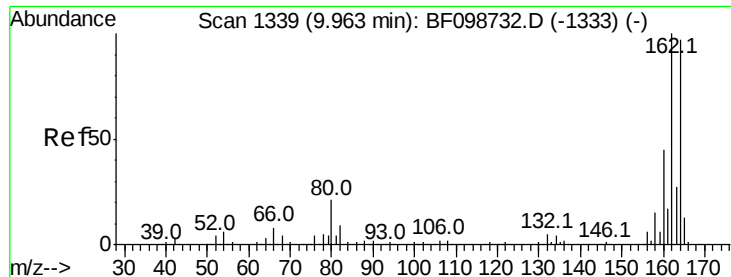
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#23
Nitrobenzene-d5
Concen: 86.474 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	872936		
128	46.3	36.1	54.1	
54	49.4	41.4	62.2	





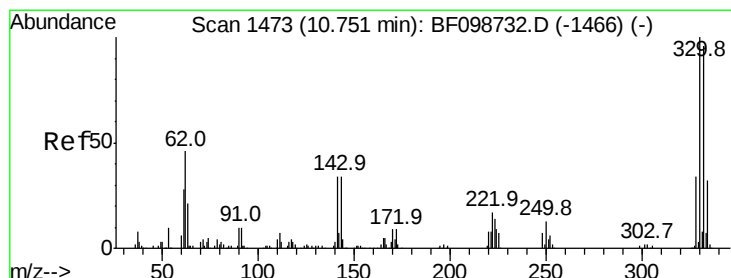
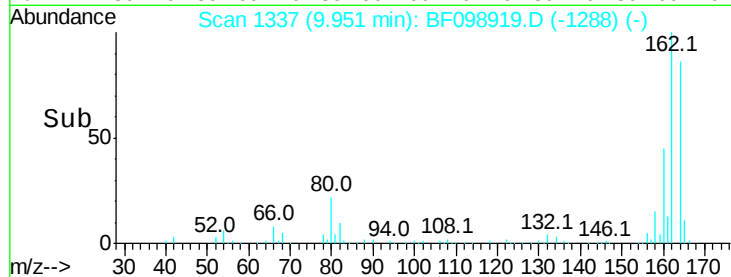
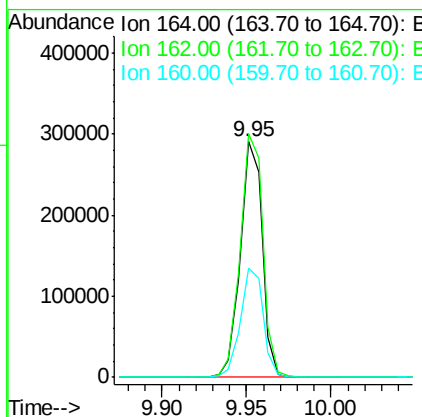
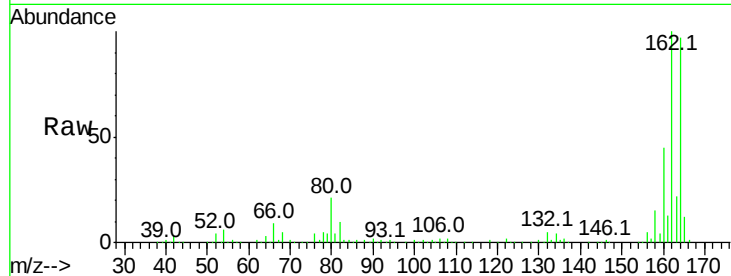
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Instrument :
BNA_F
ClientSampleId :
W-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100	262223		
162	103.4	86.1	129.1	
160	46.2	38.3	57.5	

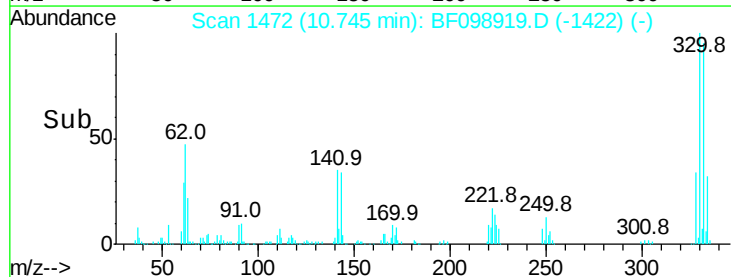
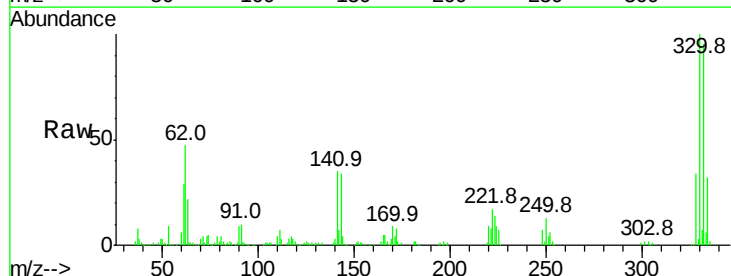
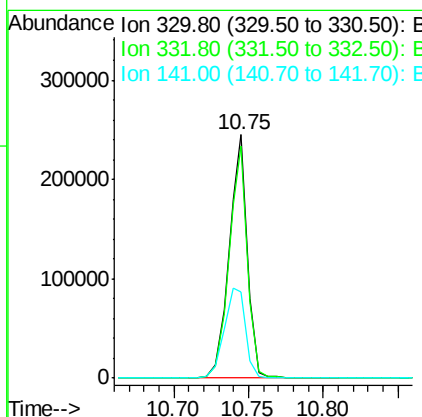
Manual Integrations
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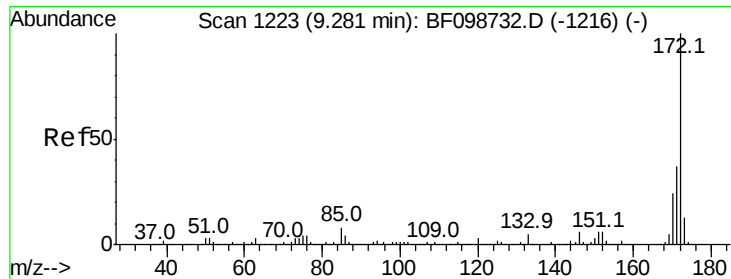
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#41
2,4,6-Tribromophenol
Concen: 98.473 ng
RT: 10.75 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	211292		
332	96.1	77.0	115.6	
141	43.9	29.9	44.9	





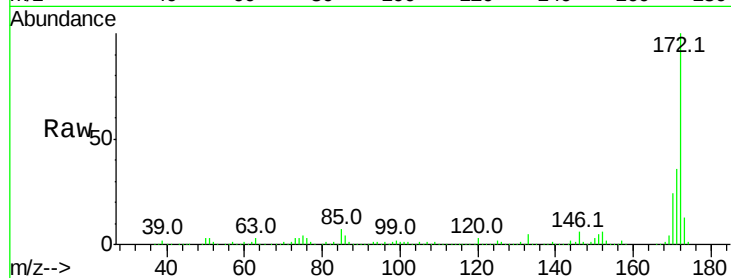
#44
2-Fluorobiphenyl
Concen: 73.387 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Instrument :
BNA_F
ClientSampled :
W-1

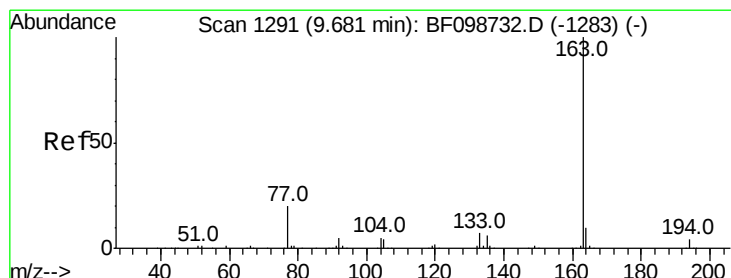
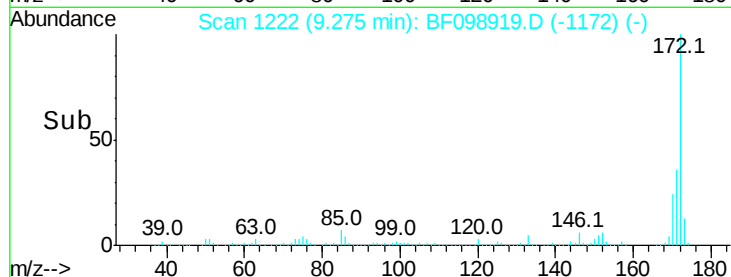
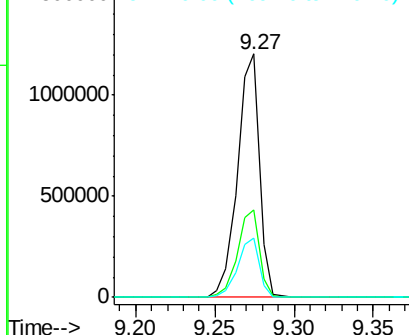
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.5	19.6	29.4

Manual Integrations
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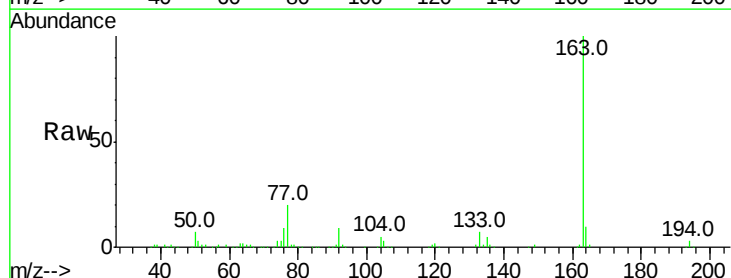


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

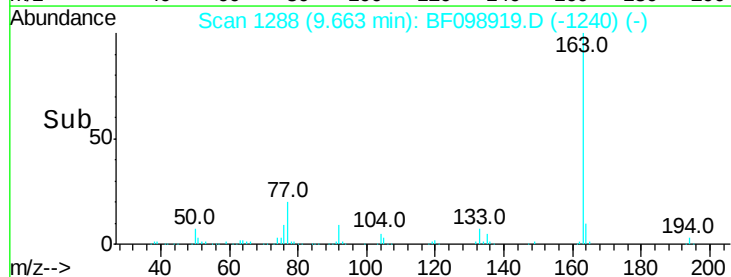
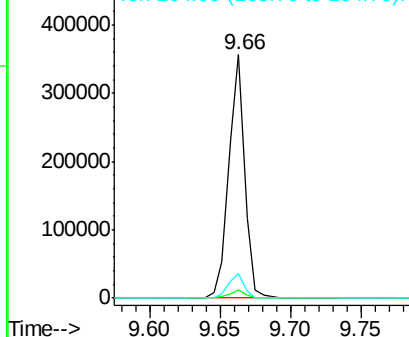


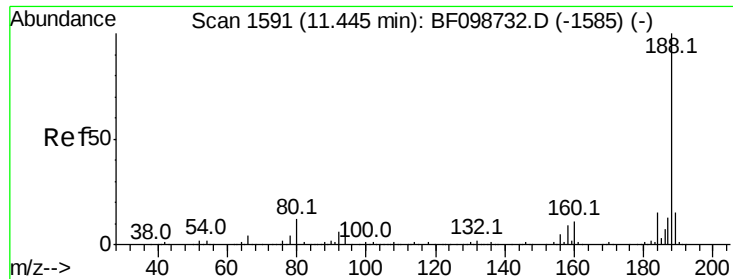
#49
Dimethylphthalate
Concen: 14.121 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	10.1	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: BF098919.D

Acq: 28 Sep 2017 21:03

Instrument :

BNA_F

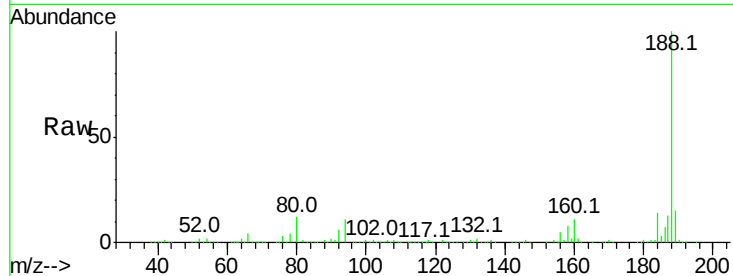
ClientSampled :

W-1

Tot Ion:	188	Resp:	379852
Ion Ratio	Lower	Upper	
188	100		
94	11.4	8.5	12.7
80	12.3	9.2	13.8

Manual Integrations
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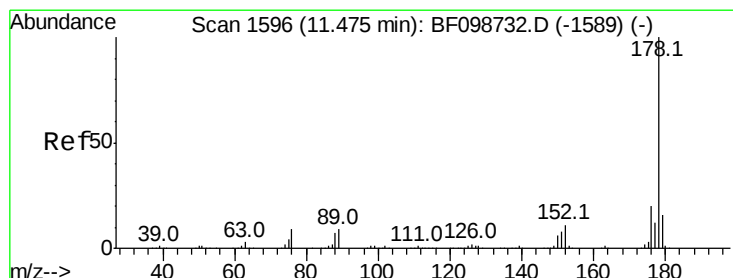
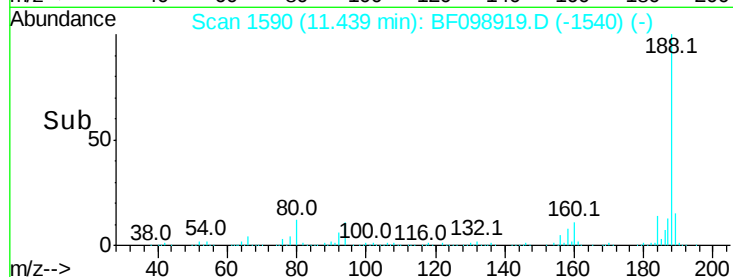
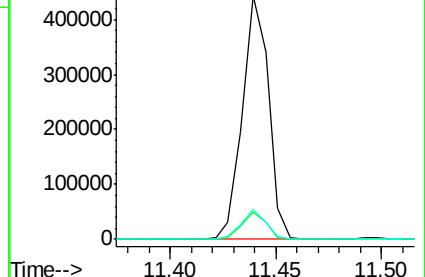
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 9.581 ng

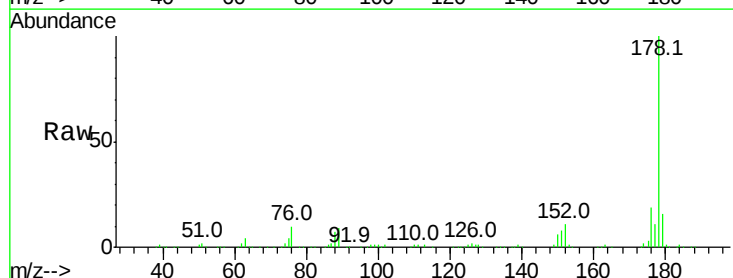
RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF098919.D

Acq: 28 Sep 2017 21:03

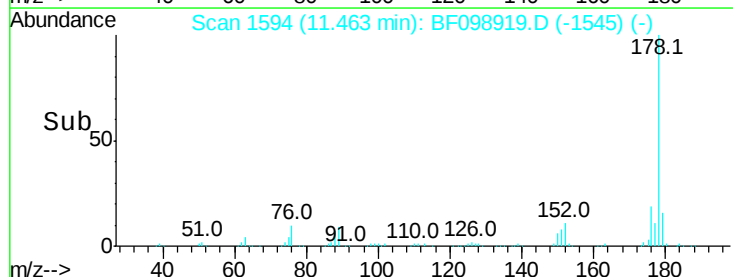
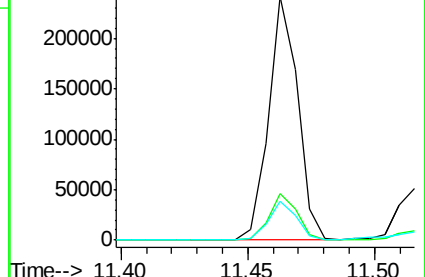
Tgt Ion:	178	Resp:	194803
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.8	23.8
179	15.8	13.0	19.6

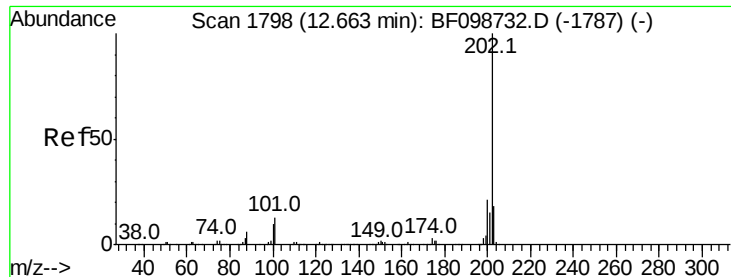


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 11.363 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098919.D

Acq: 28 Sep 2017 21:03

Instrument :

BNA_F

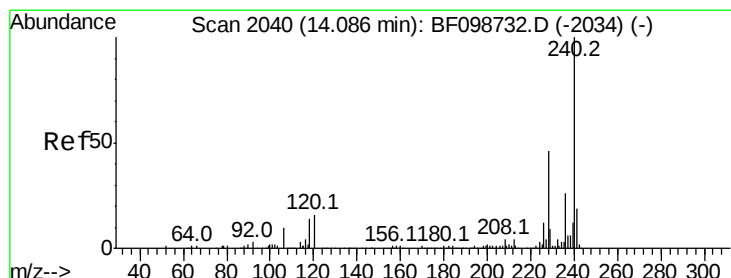
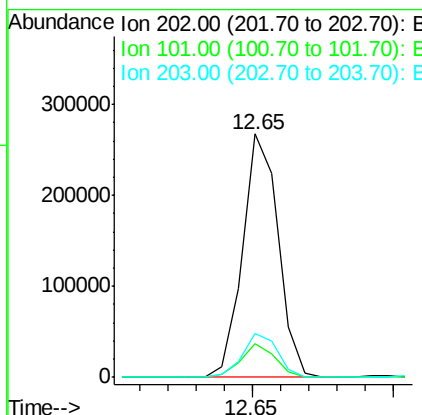
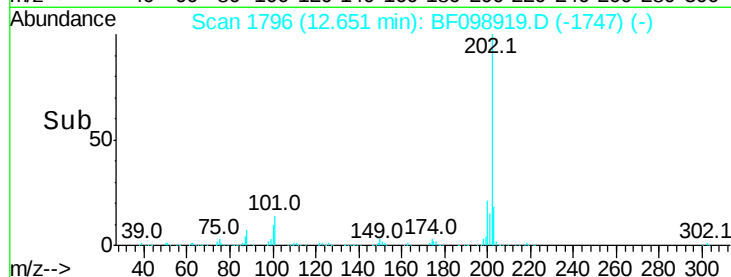
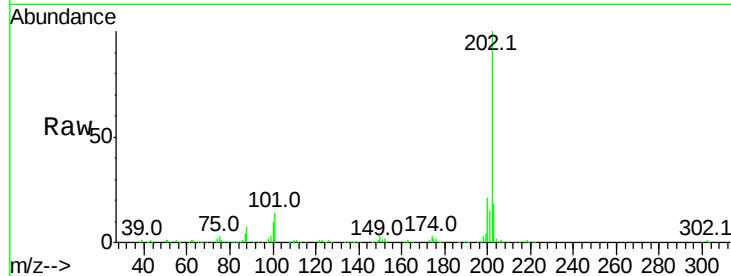
ClientSampleId :

W-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.9	0.0	34.1
203	17.9	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

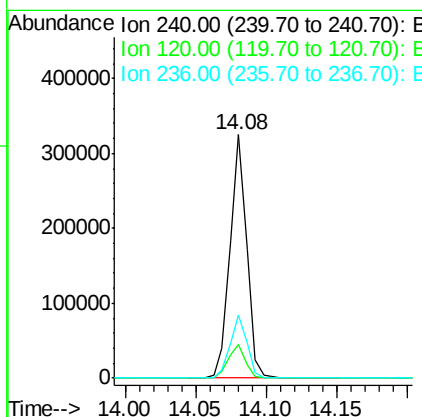
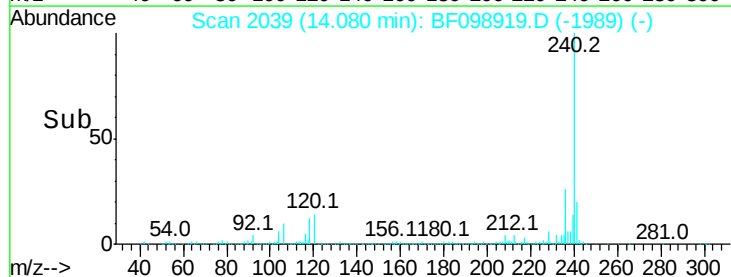
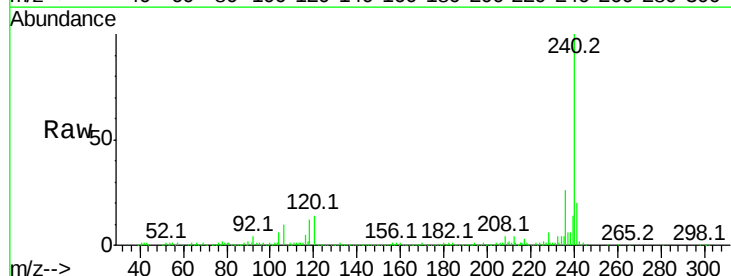
RT: 14.08 min Scan# 2039

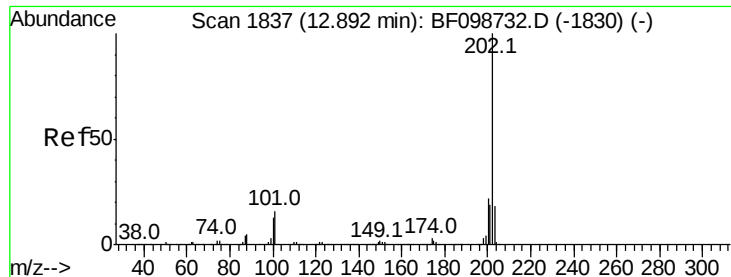
Delta R.T. -0.01 min

Lab File: BF098919.D

Acq: 28 Sep 2017 21:03

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.1	9.5	14.3
236	26.1	20.7	31.1





#77

Pvrene

Concen: 10.213 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098919.D

Acq: 28 Sep 2017 21:03

Instrument :

BNA_F

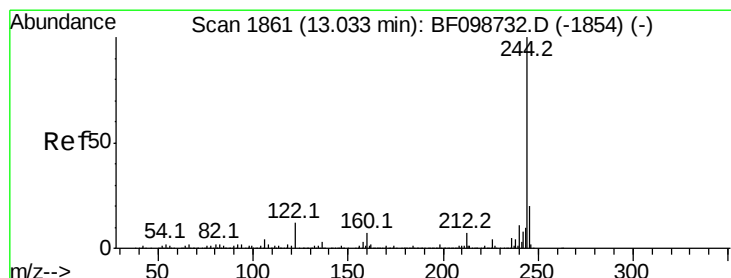
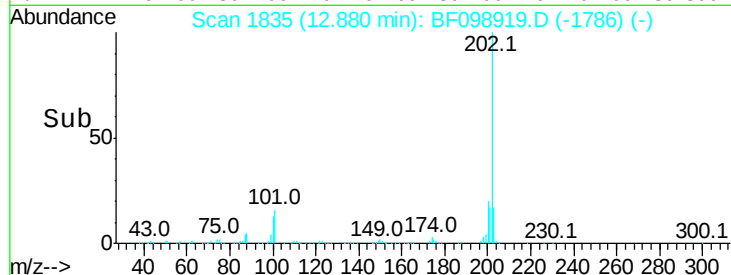
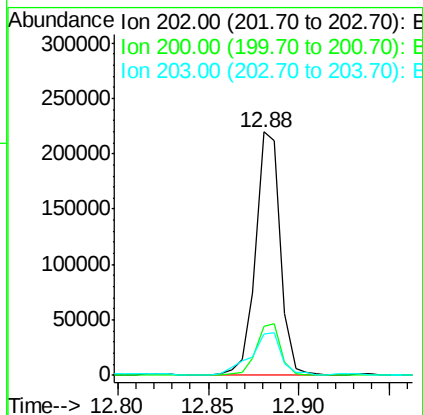
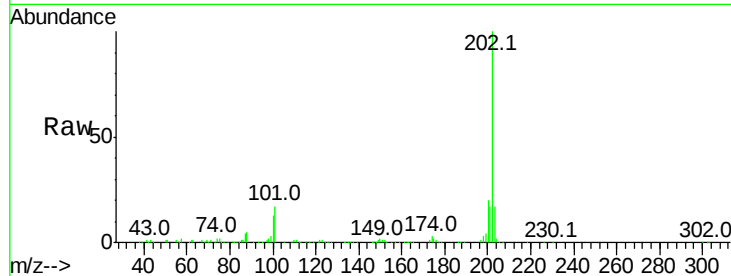
ClientSampled :

W-1

Tot Ion:	202	Resp:	208096
Ion Ratio		Lower	Upper
202	100		
200	20.2	17.4	26.2
203	17.1	14.3	21.5

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#78

Terphenyl-d14

Concen: 57.532 ng

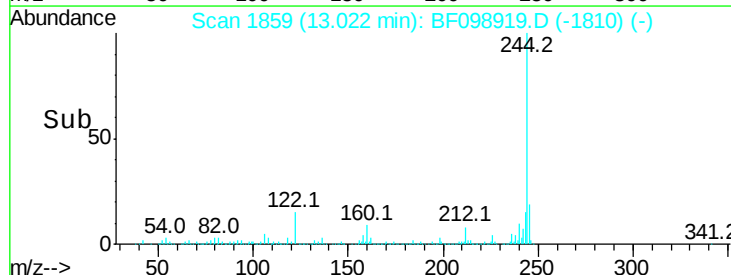
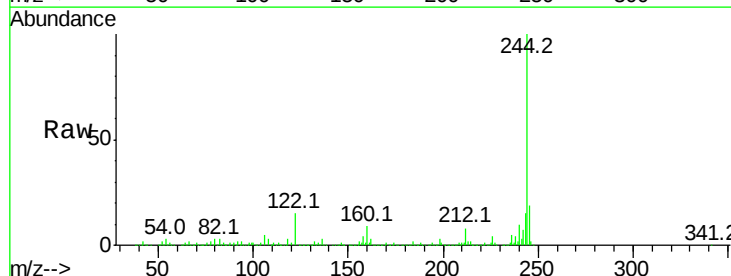
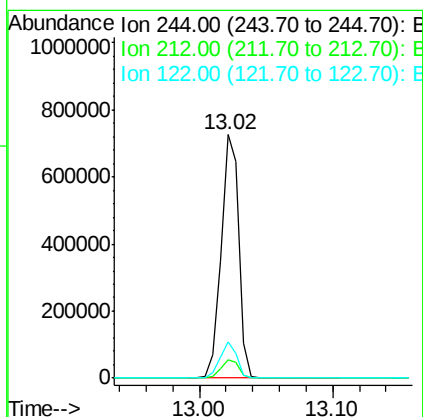
RT: 13.02 min Scan# 1859

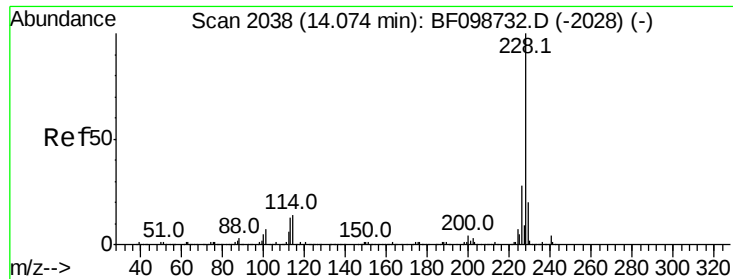
Delta R.T. -0.01 min

Lab File: BF098919.D

Acq: 28 Sep 2017 21:03

Tgt Ion:	244	Resp:	675943
Ion Ratio		Lower	Upper
244	100		
212	7.6	5.4	8.0
122	14.8	11.0	16.4





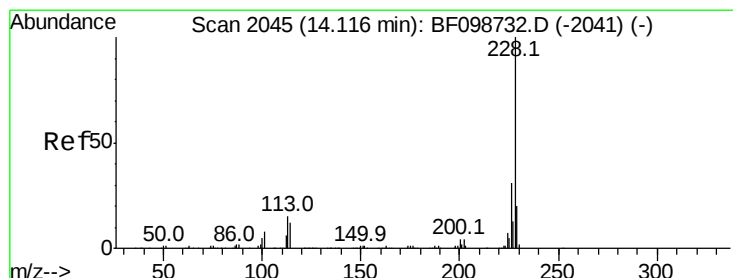
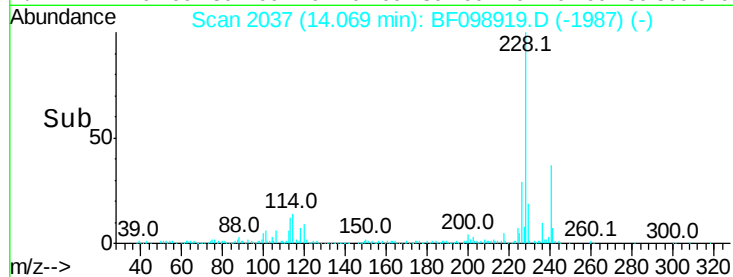
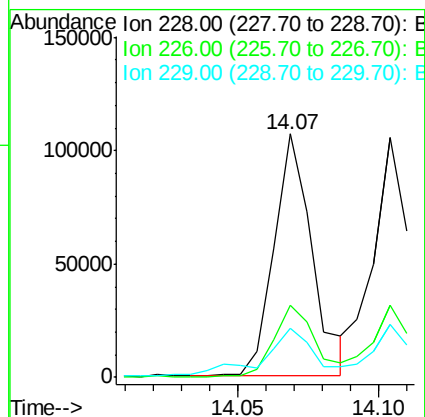
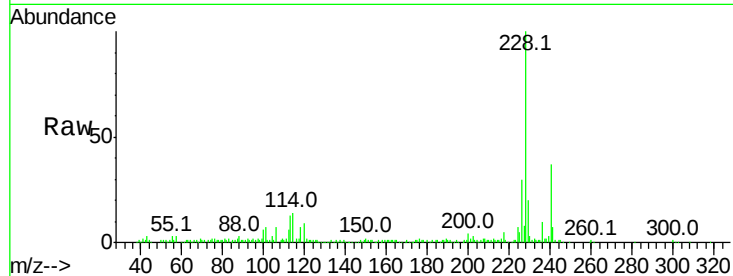
#80
Benzo(a)anthracene
Concen: 6.236 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Instrument :
BNA_F
ClientSampled :
W-1

Tot Ion:	228	Resp:	100890
Ion Ratio	Lower	Upper	
228	100		
226	29.5	22.6	33.8
229	20.2	15.8	23.6

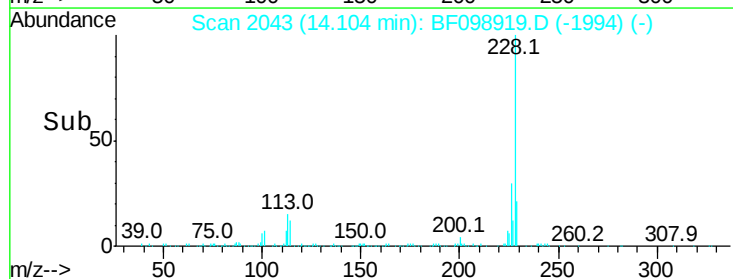
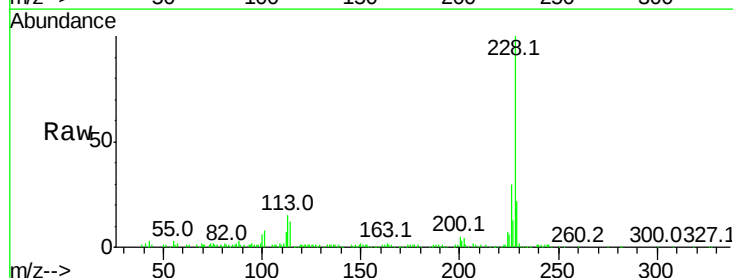
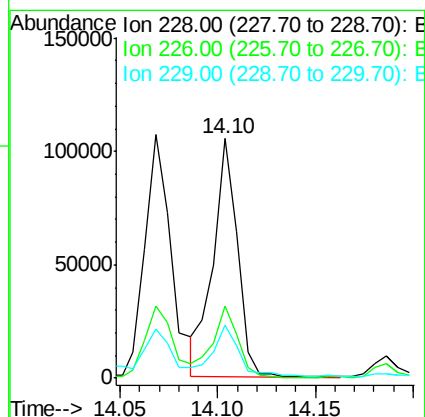
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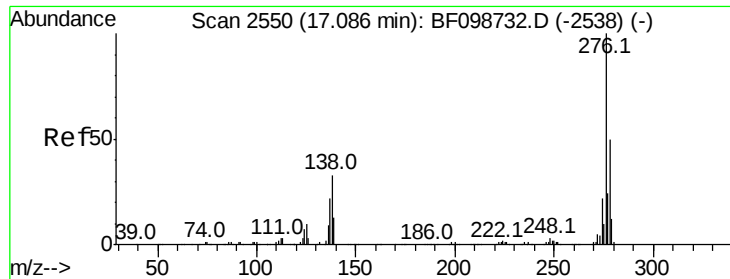
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#82
Chrysene
Concen: 5.931 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Tgt Ion:	228	Resp:	91355
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.0	37.6
229	22.0	16.2	24.4





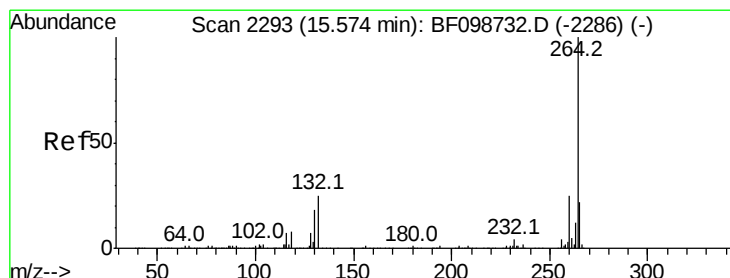
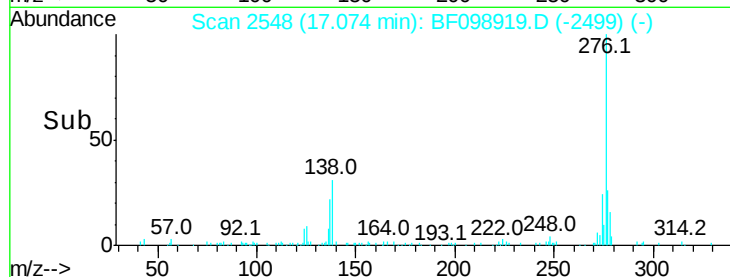
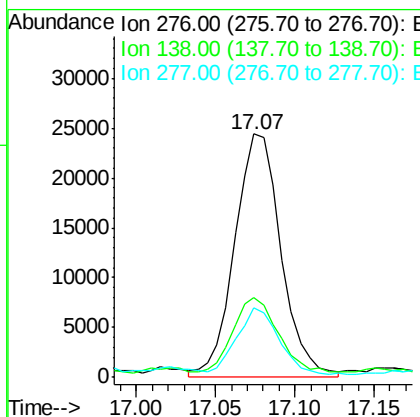
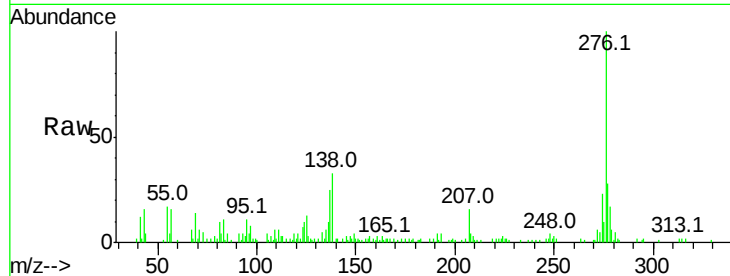
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.031 ng
 RT: 17.07 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BF098919.D
 Acq: 28 Sep 2017 21:03

Instrument :
 BNA_F
 ClientSampleId :
 W-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.9	25.0	37.6
277	24.6	20.1	30.1

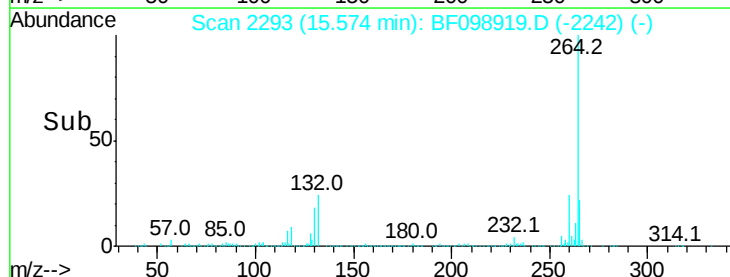
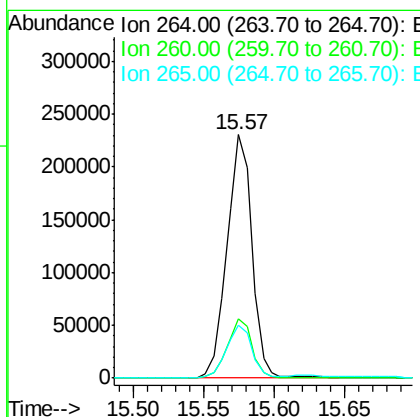
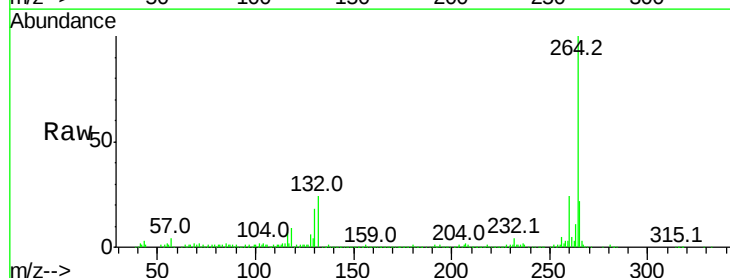
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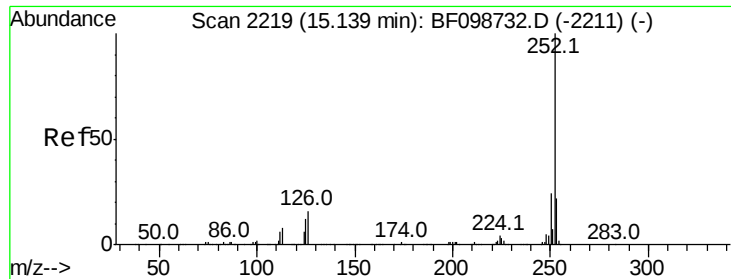
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: BF098919.D
 Acq: 28 Sep 2017 21:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.9	17.5	26.3





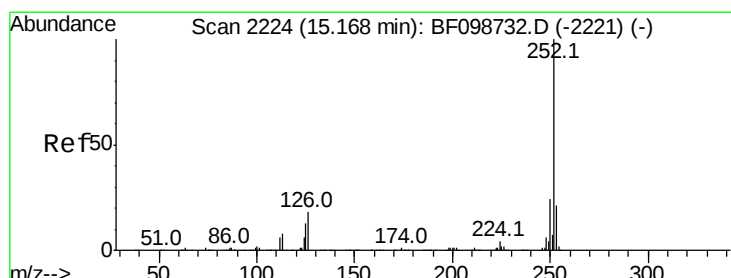
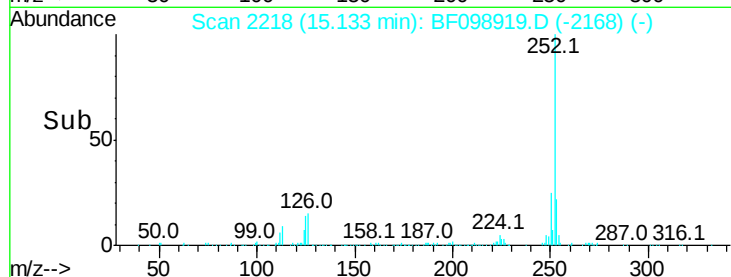
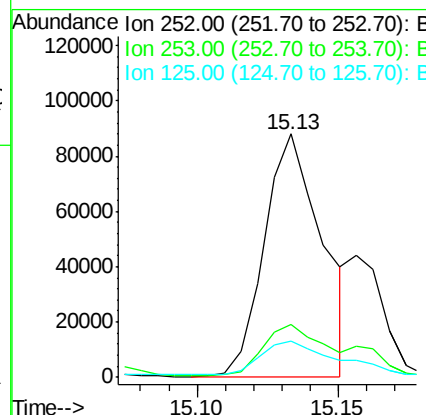
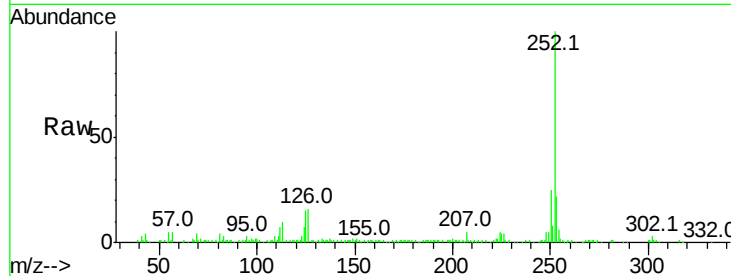
#87
Benzo(b)fluoranthene
Concen: 7.294 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Instrument :
BNA_F
ClientSampled :
W-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.6
125	14.8	9.0	13.6

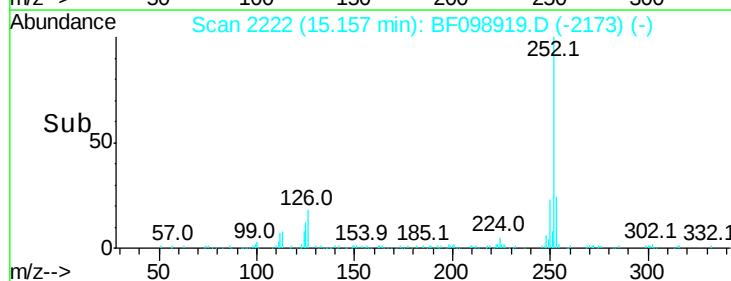
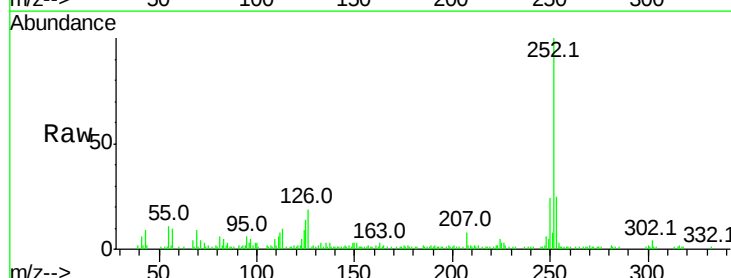
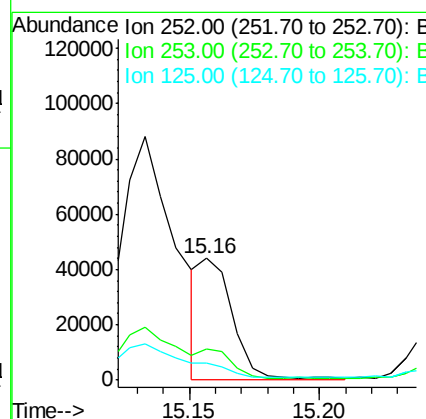
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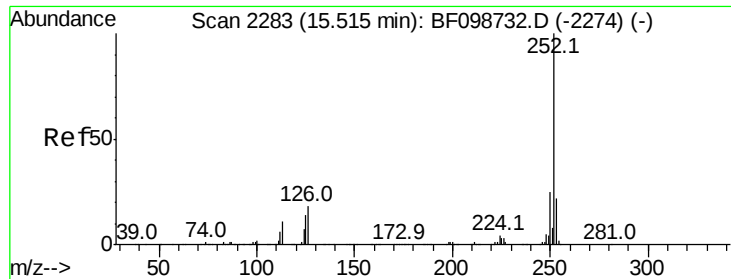
Sohil
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#88
Benzo(k)fluoranthene
Concen: 2.258 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	13.9	10.2	15.2





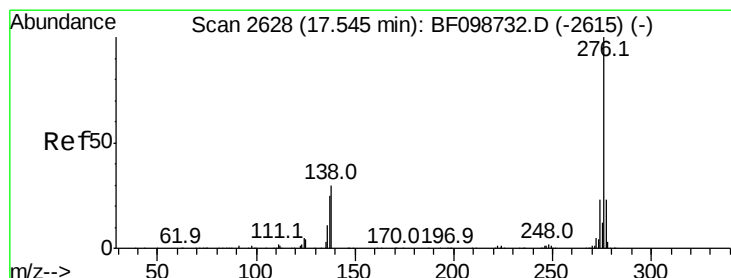
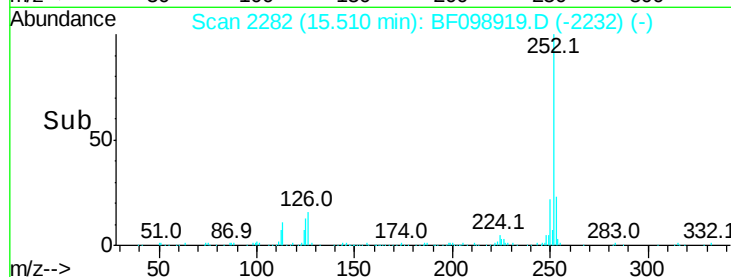
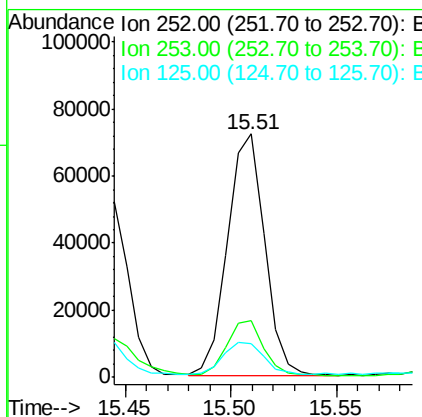
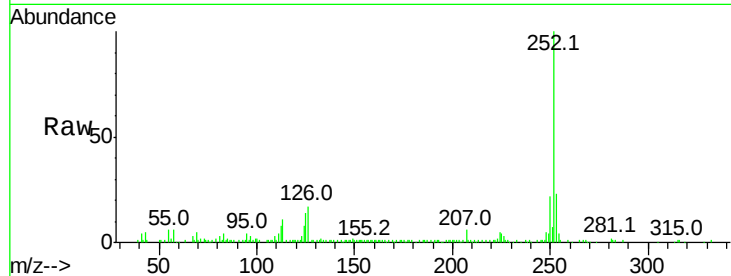
#89
Benzo(a)pyrene
Concen: 5.521 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Instrument :
BNA_F
ClientSampled :
W-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	14.0	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.638 ng
RT: 17.54 min Scan# 2627
Delta R.T. -0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	31.2	21.8	32.8

