

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090817\
 Data File : BF098350.D
 Acq On : 8 Sep 2017 15:06
 Operator : SJ/JU
 Sample : I5110-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Manual Integrations
 APPROVED

Sohil
 9/11/2017 4:47:32 PM

Quant Time: Sep 08 15:52:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 08 15:02:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	101105	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	400721	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	185336	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	330454	20.00	ng	0.00
75) Chrysene-d12	13.83	240	195488	20.00	ng	0.00
86) Perylene-d12	15.24	264	190788	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	846679	127.38	ng	0.02
7) Phenol-d6	6.33	99	1146623	126.96	ng	0.00
23) Nitrobenzene-d5	7.25	82	709139	96.14	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	226030	140.56	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	1026285	81.36	ng	0.00
78) Terphenyl-d14	12.79	244	736615	78.58	ng	0.00
Target Compounds						
10) Phenol	6.35	94	45172	4.277	ng	86
49) Dimethylphthalate	9.44	163	115760	8.545	ng	98
70) Phenanthrene	11.22	178	143919	8.173	ng	99
74) Fluoranthene	12.41	202	199775	10.869	ng	99
77) Pyrene	12.63	202	167149	10.454	ng	97
80) Benzo(a)anthracene	13.82	228	69388	5.922	ng	98
82) Chrysene	13.86	228	62844	5.392	ng	98
85) Indeno(1,2,3-cd)pyrene	16.59	276	38809	4.526	ng	93
87) Benzo(b)fluoranthene	14.84	252	85698m	7.126	ng	
88) Benzo(k)fluoranthene	14.86	252	25424m	2.250	ng	
89) Benzo(a)pyrene	15.18	252	58535	5.498	ng	98
91) Benzo(a,h,i)perylene	16.99	276	39161	4.330	ng	97

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

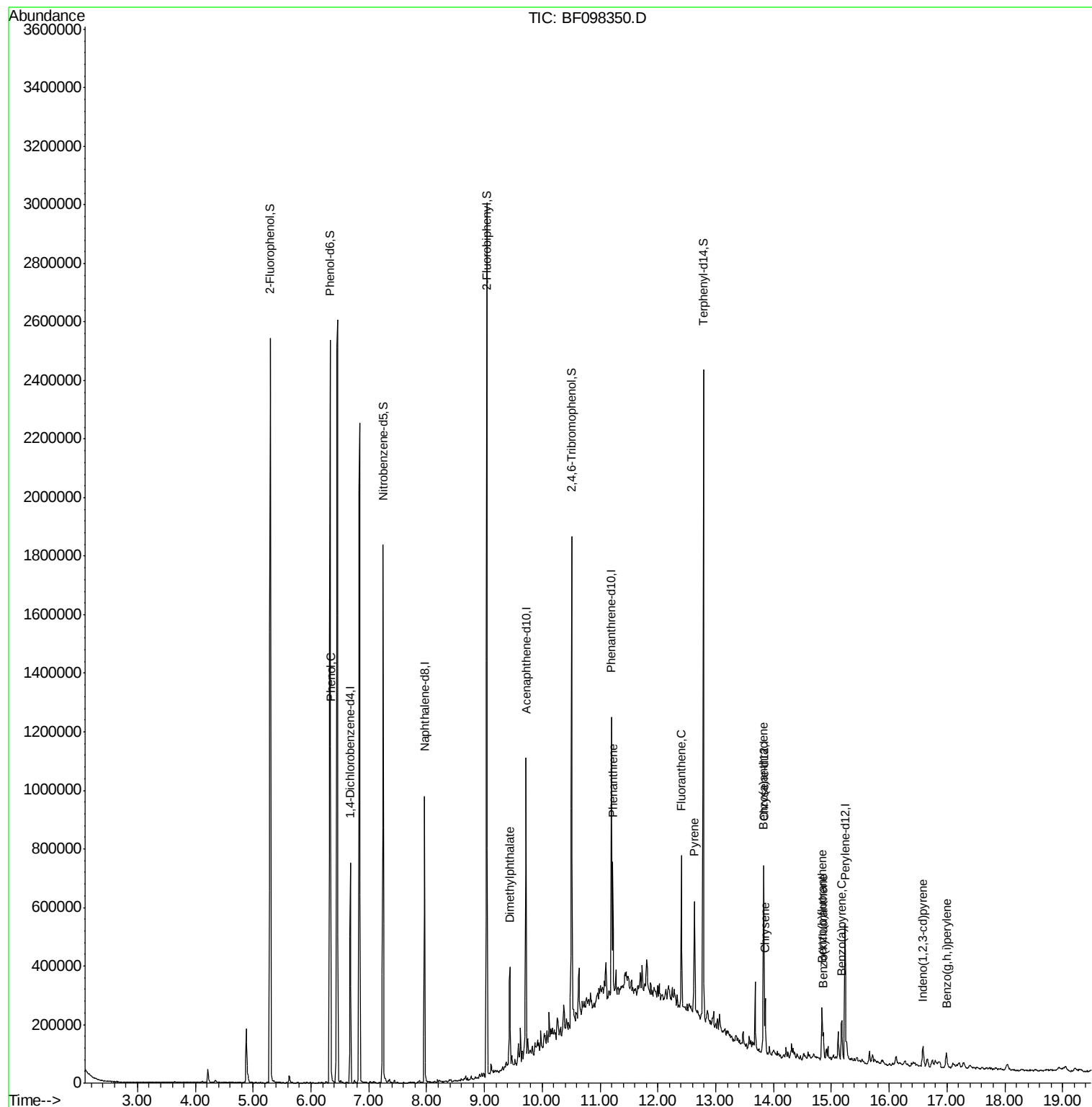
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090817\
Data File : BF098350.D
Acq On : 8 Sep 2017 15:06
Operator : SJ/JU
Sample : I5110-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

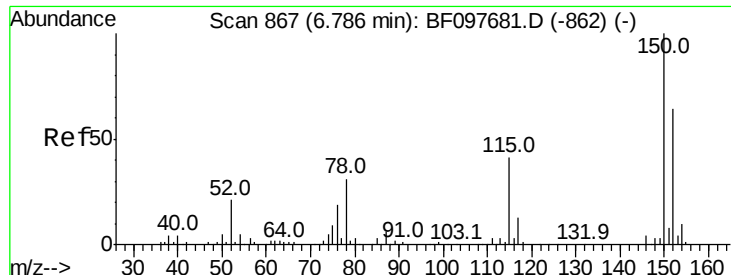
Instrument :
BNA_F
ClientSampleId :
SP-2

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Quant Time: Sep 08 15:52:38 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
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#1

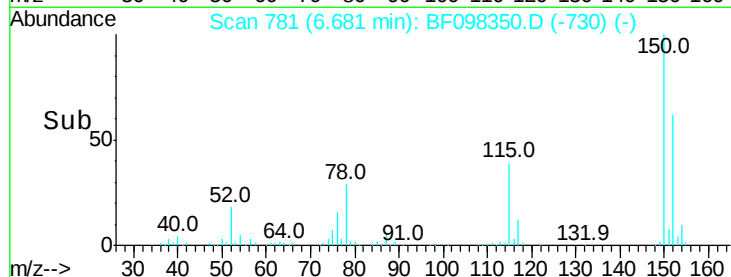
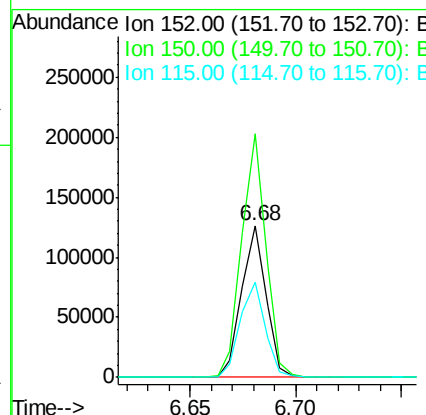
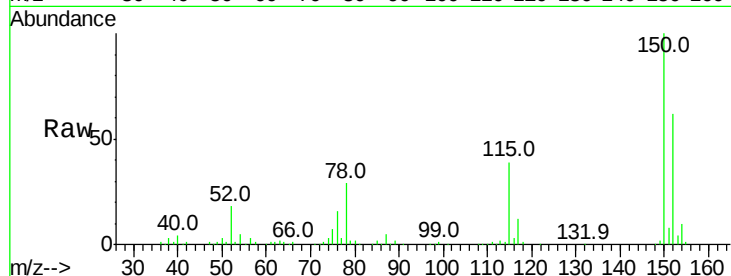
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. 0.00 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Instrument :
BNA_F
ClientSampled :
SP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.2	189.2
115	63.0	52.2	78.2

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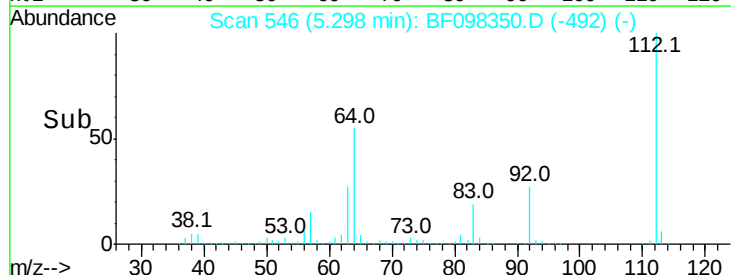
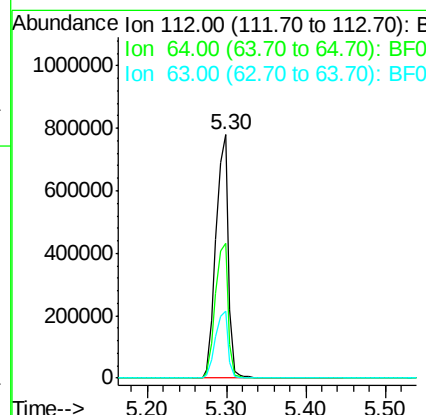
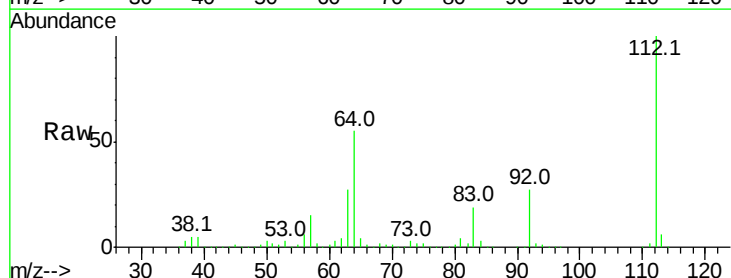
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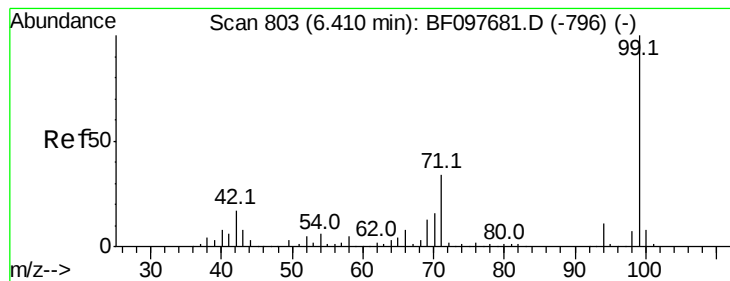


#5

2-Fluorophenol
Concen: 127.379 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.02 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	46.0	69.0
63	27.4	23.4	35.0





#7

Phenol-d6

Concen: 126.961 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

Instrument :

BNA_F

ClientSampled :

SP-2

Tot Ion: 99 Resp: 1146623

Ion Ratio Lower Upper

99 100

42 14.4 13.5 20.3

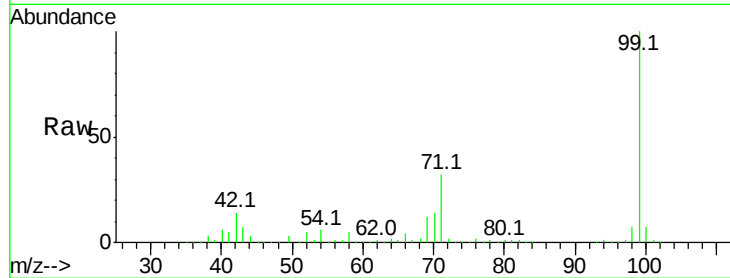
71 31.8 24.5 36.7

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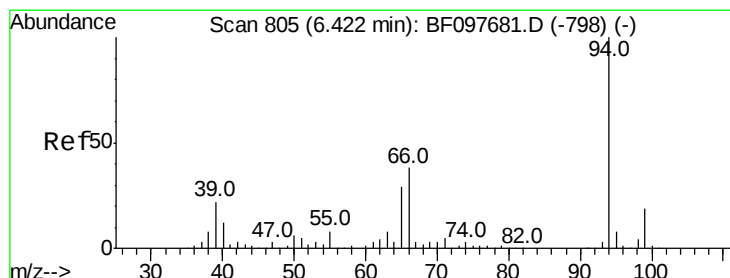
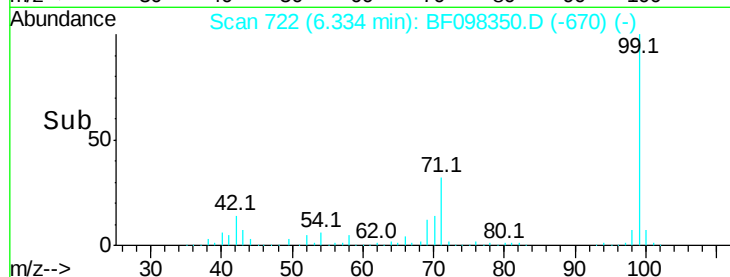
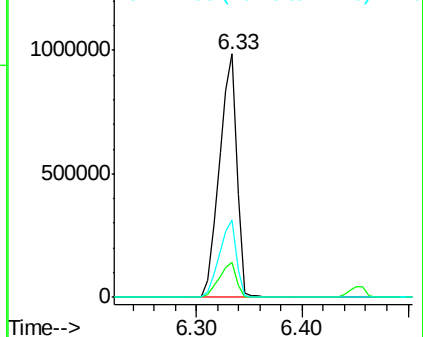
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 4.277 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

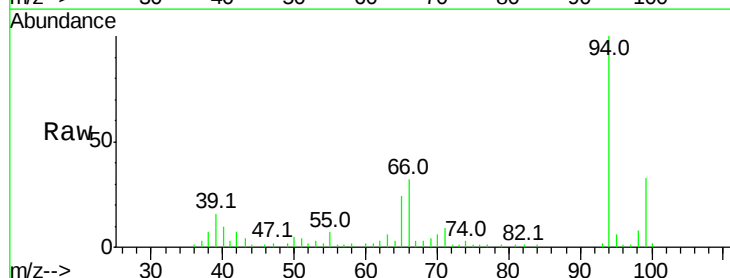
Tgt Ion: 94 Resp: 45172

Ion Ratio Lower Upper

94 100

65 24.4 9.9 49.9

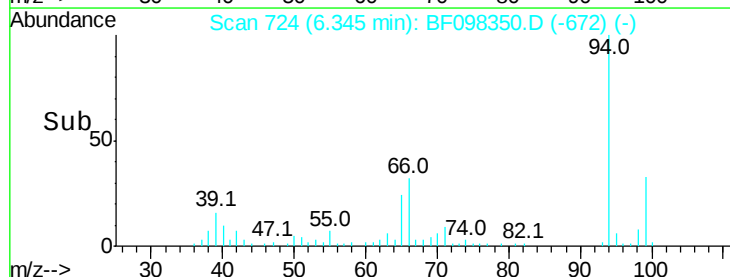
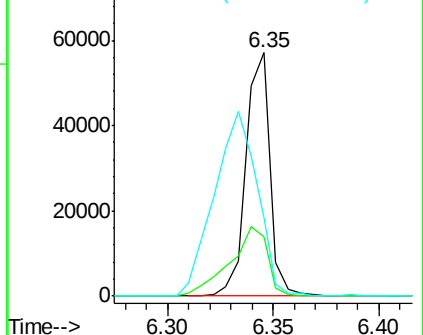
66 32.3 23.1 63.1

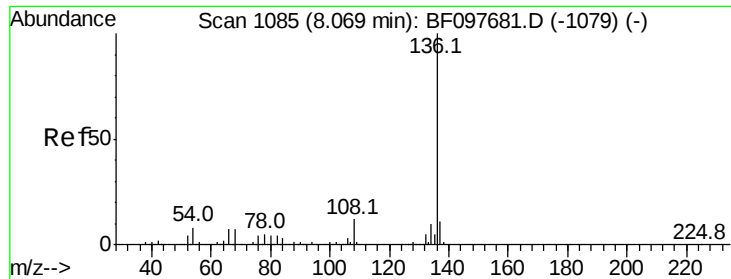


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

Instrument :

BNA_F

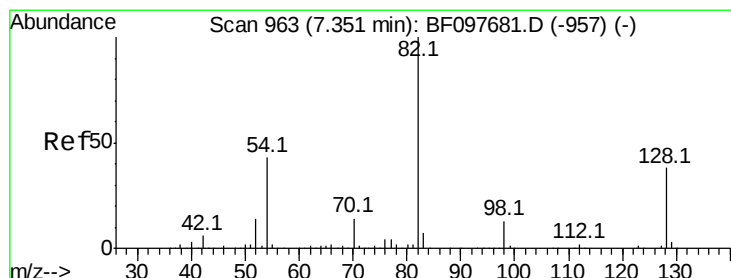
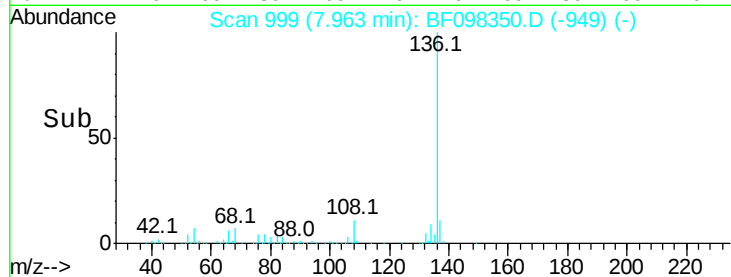
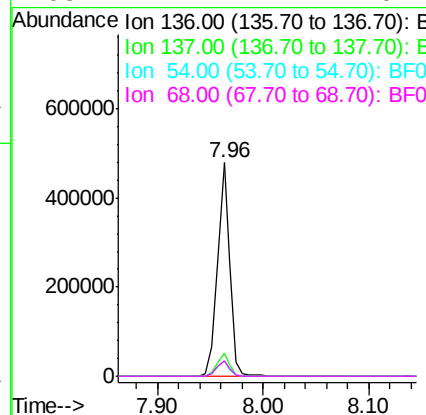
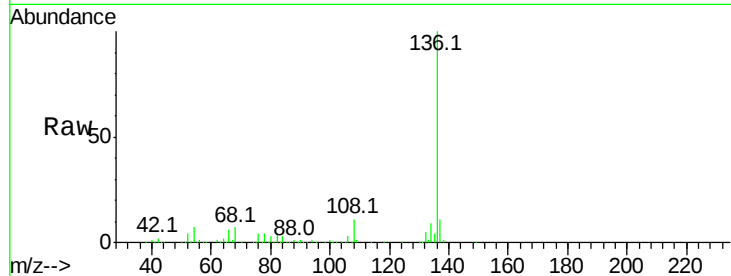
ClientSampled :

SP-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100	400721		
137	11.0	8.5	12.7	
54	7.3	4.9	7.3#	
68	7.4	4.1	6.1#	

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#23

Nitrobenzene-d5

Concen: 96.136 ng

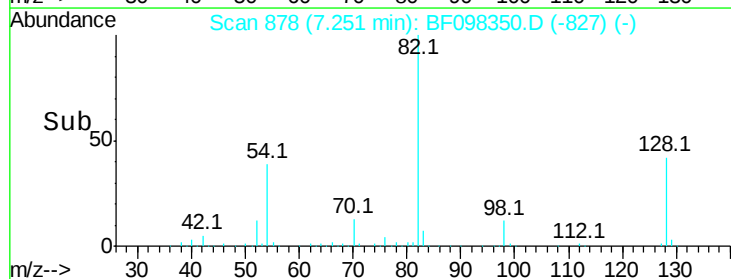
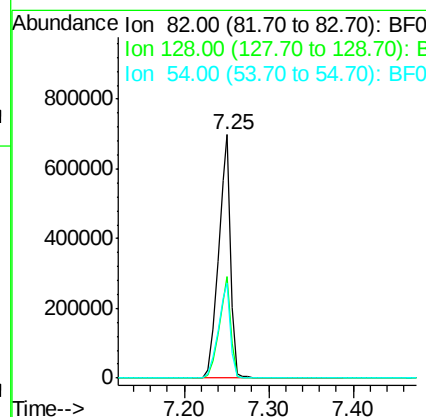
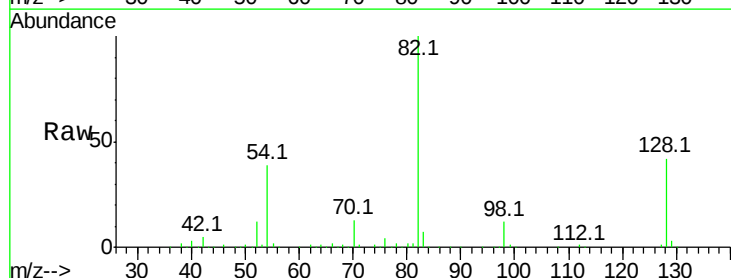
RT: 7.25 min Scan# 878

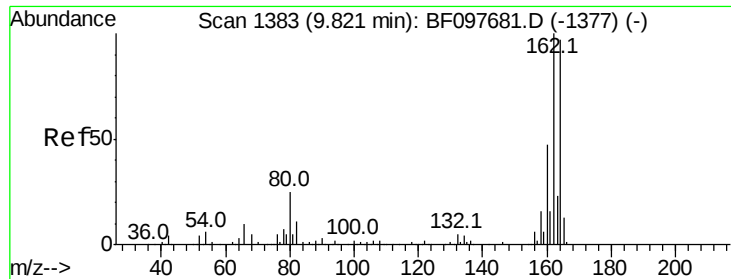
Delta R.T. 0.00 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	709139		
128	41.6	34.0	51.0	
54	39.2	42.2	63.2#	





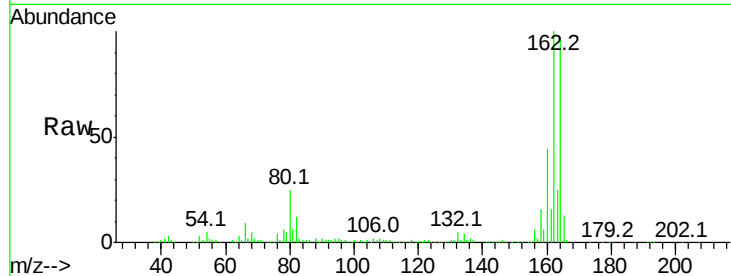
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Instrument :
BNA_F
ClientSampleId :
SP-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100	185336		
162	103.0	82.6	123.8	
160	45.6	36.2	54.2	

Manual Integrations
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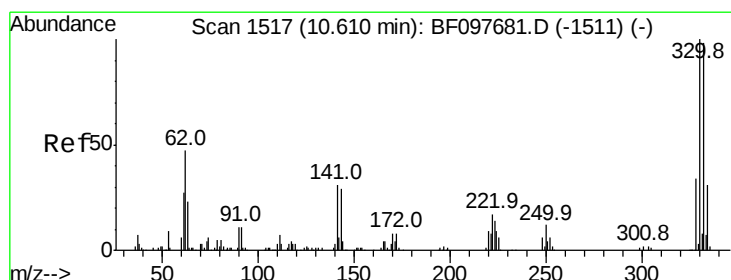
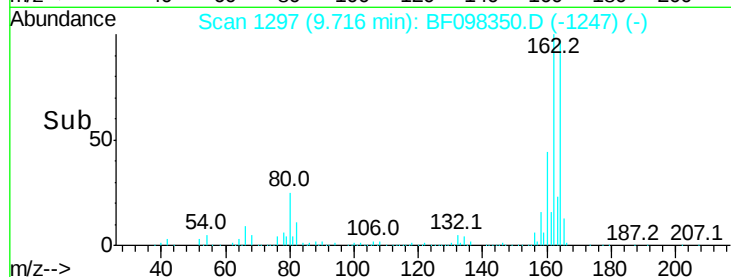
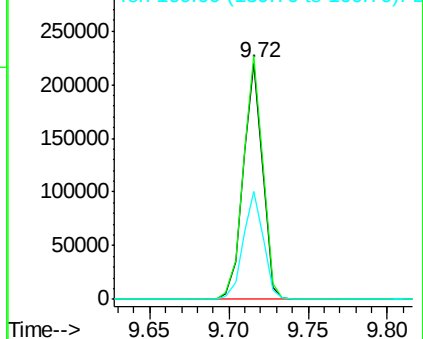


Abundance

Ion 164.00 (163.70 to 164.70): E

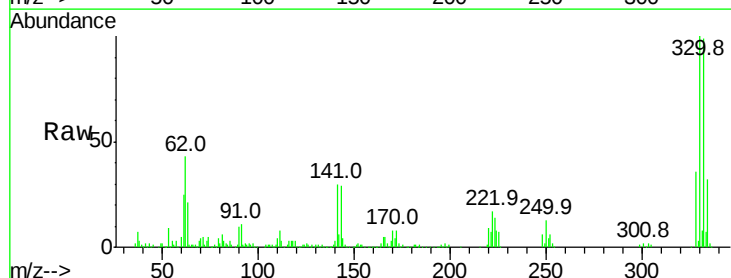
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41
2,4,6-Tribromophenol
Concen: 140.558 ng
RT: 10.51 min Scan# 1432
Delta R.T. 0.00 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	226030		
332	98.1	76.6	115.0	
141	32.2	31.4	47.2	

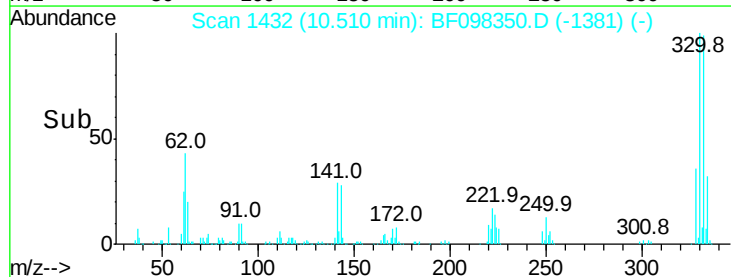
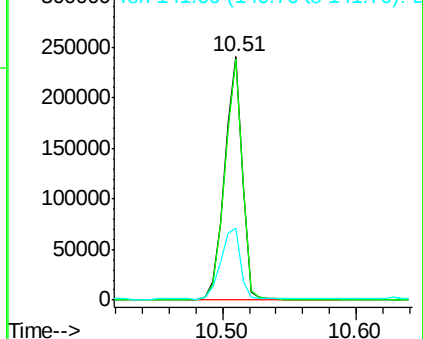


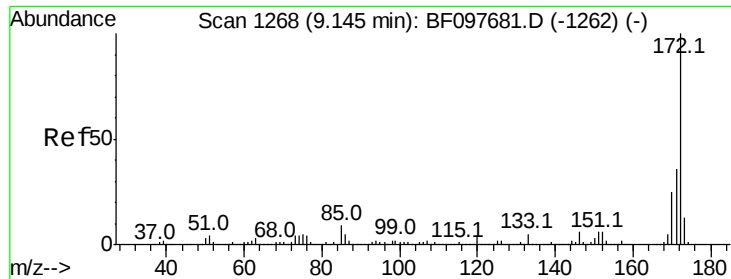
Abundance

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





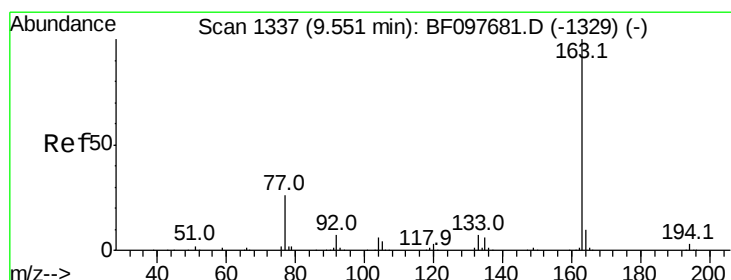
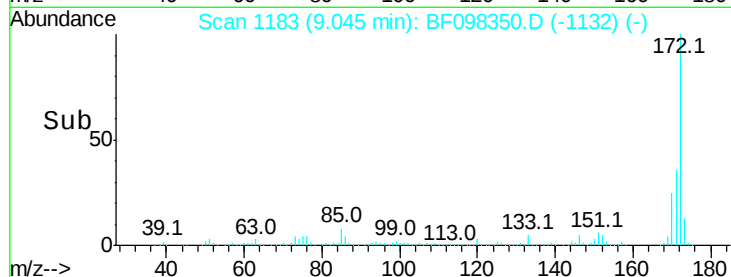
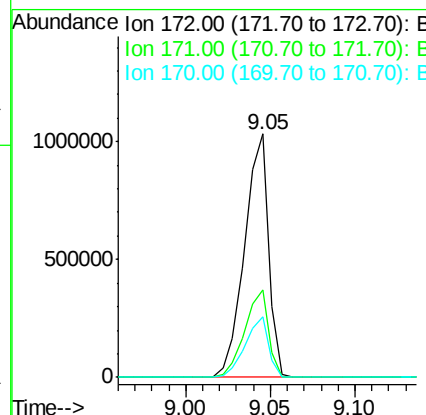
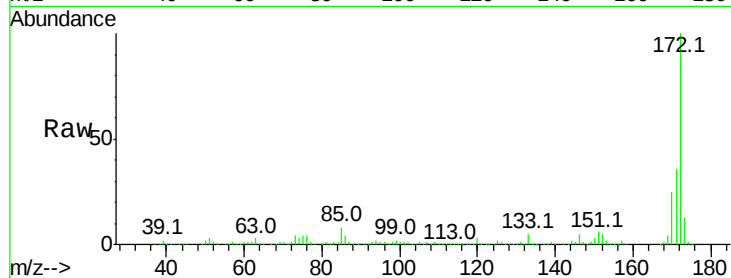
#44
 2-Fluorobiphenyl
 Concen: 81.356 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF098350.D
 Acq: 8 Sep 2017 15:06

Instrument :
 BNA_F
 ClientSampled :
 SP-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	24.6	19.8	29.8

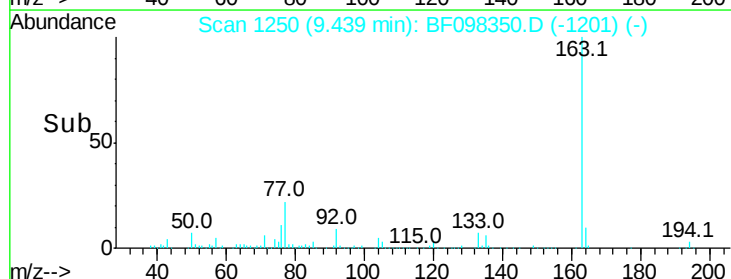
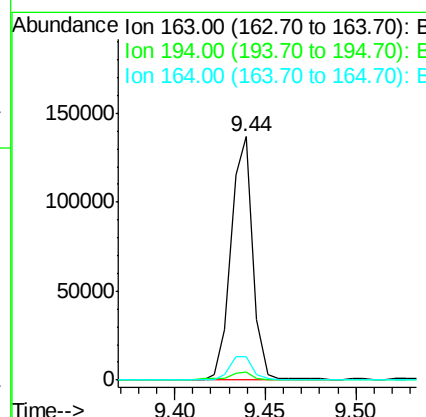
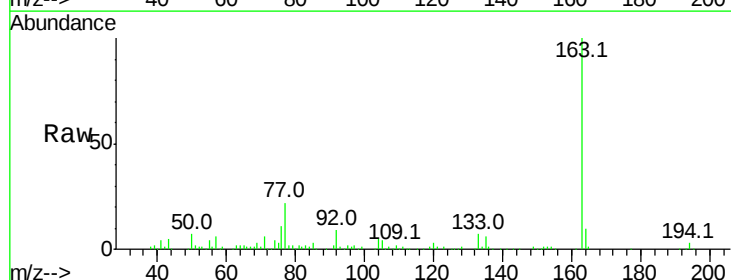
Manual Integrations
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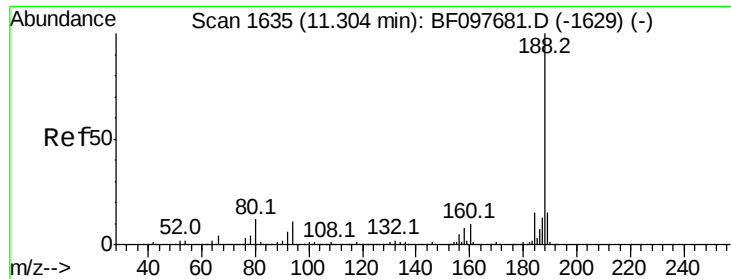
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#49
 Dimethylphthalate
 Concen: 8.545 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: BF098350.D
 Acq: 8 Sep 2017 15:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.8	8.4	12.6





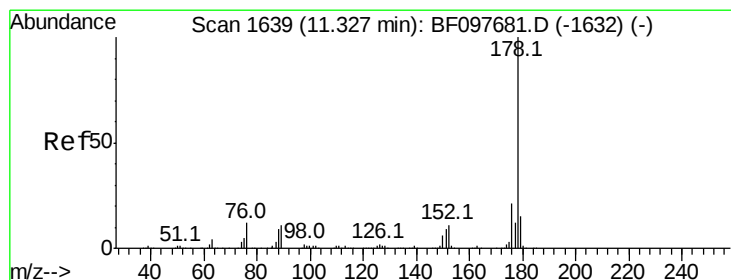
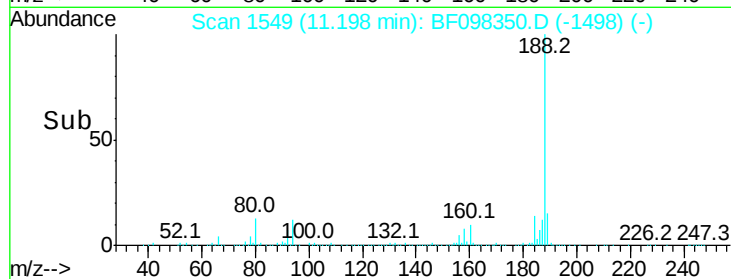
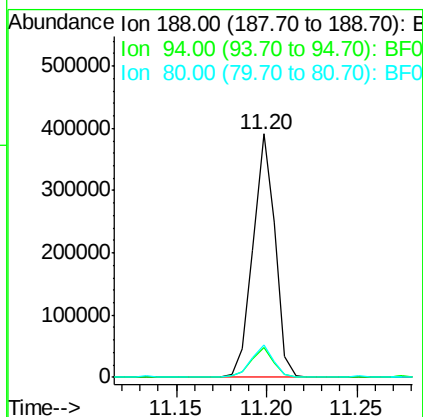
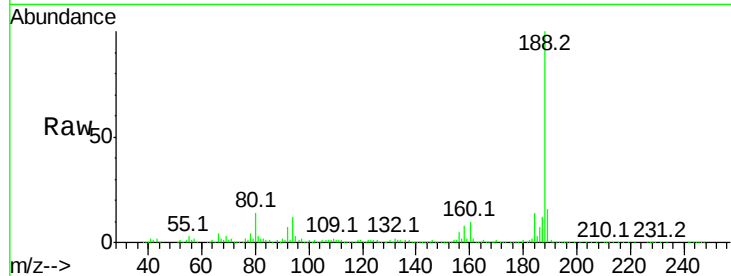
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Instrument :
BNA_F
ClientSampled :
SP-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	330454		
94	12.3		9.4	14.2
80	13.5		10.2	15.2

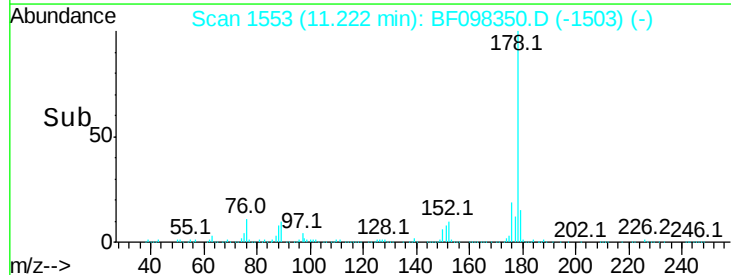
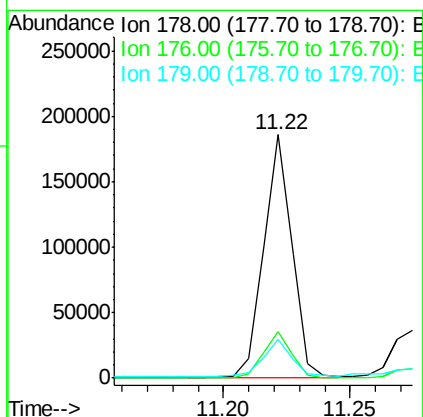
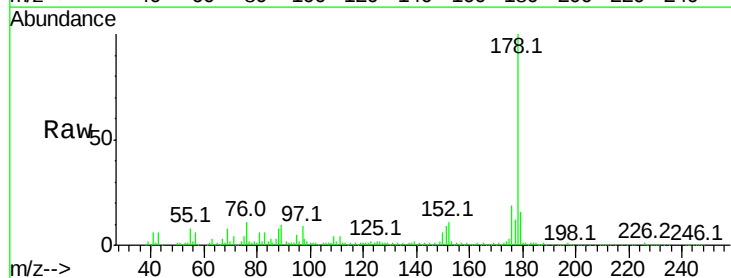
Manual Integrations
APPROVED

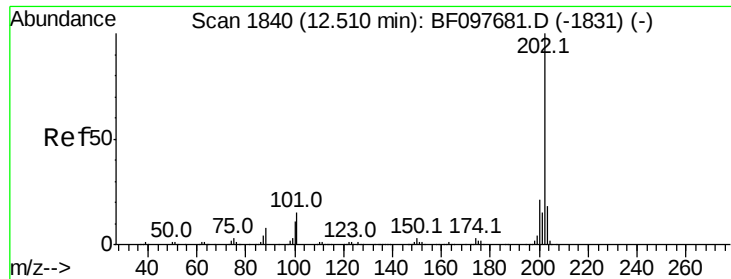
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#70
Phenanthrene
Concen: 8.173 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	143919		
176	19.2		16.2	24.4
179	15.7		12.6	19.0





#74

Fluoranthene

Concen: 10.869 ng

RT: 12.41 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

Instrument :

BNA_F

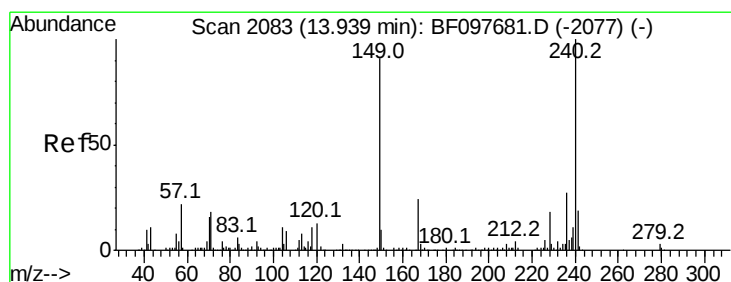
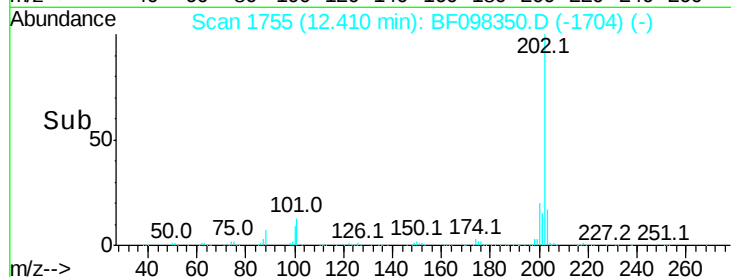
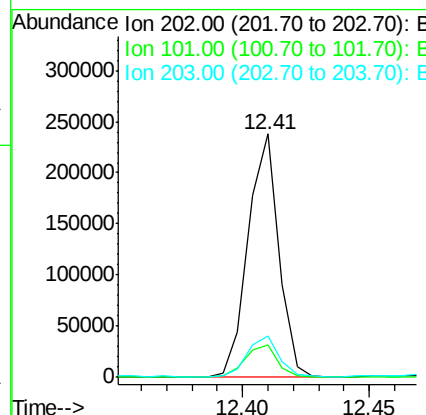
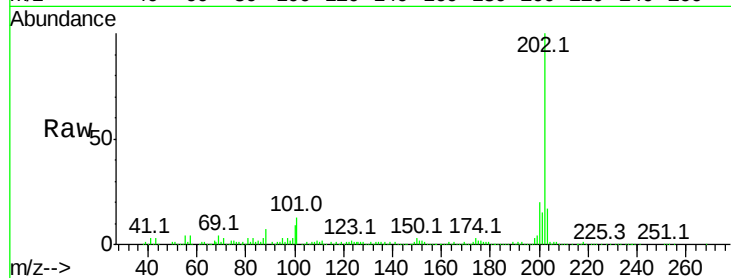
ClientSampleId :

SP-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.1	0.0	33.2
203	17.1	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

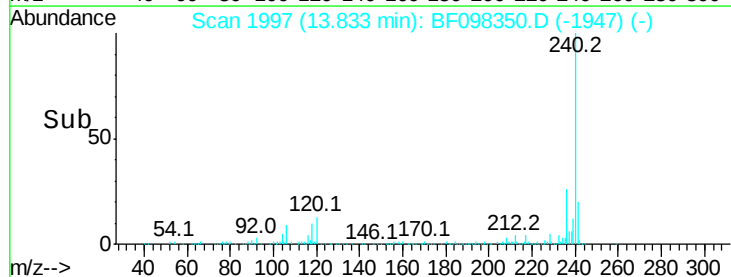
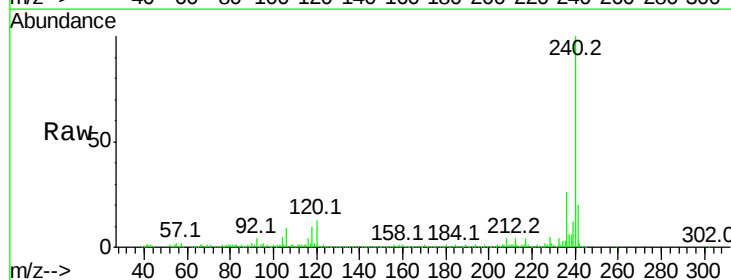
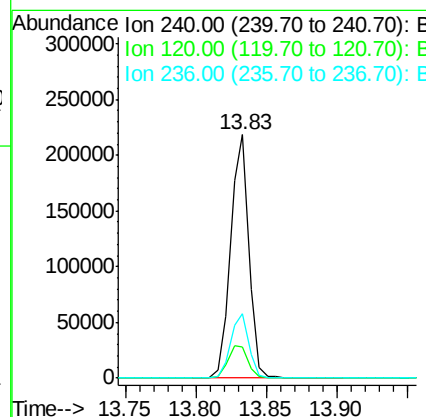
RT: 13.83 min Scan# 1997

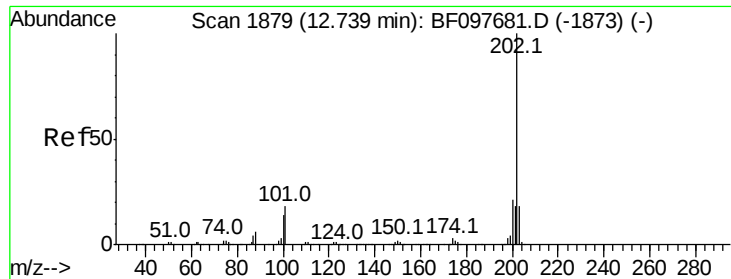
Delta R.T. -0.01 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.0	5.8	8.8#
236	26.4	20.5	30.7





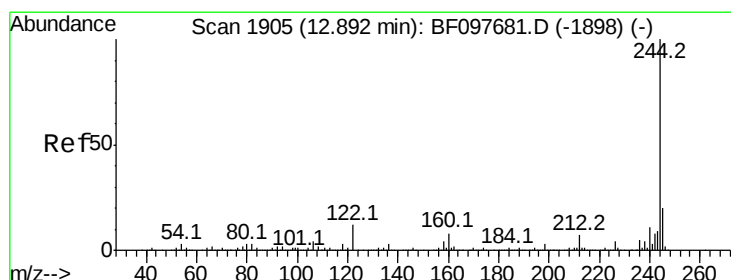
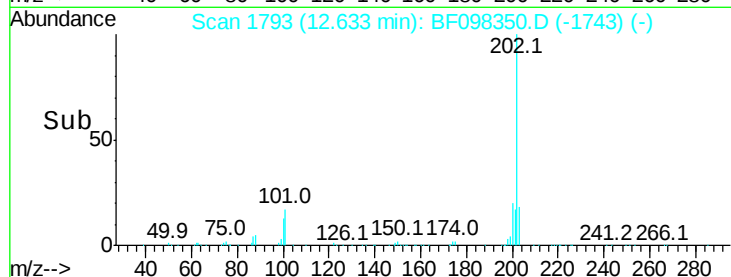
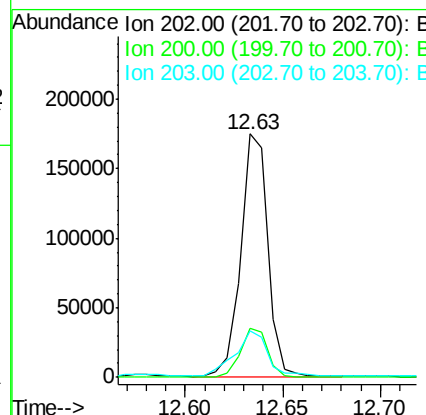
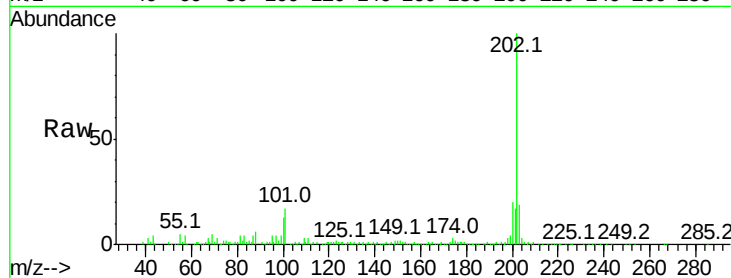
#77
Pvrene
Concen: 10.454 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Instrument :
BNA_F
ClientSampleId :
SP-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.4	17.6	26.4
203	18.9	14.4	21.6

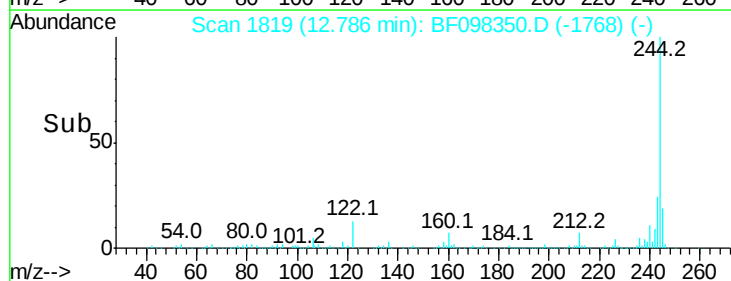
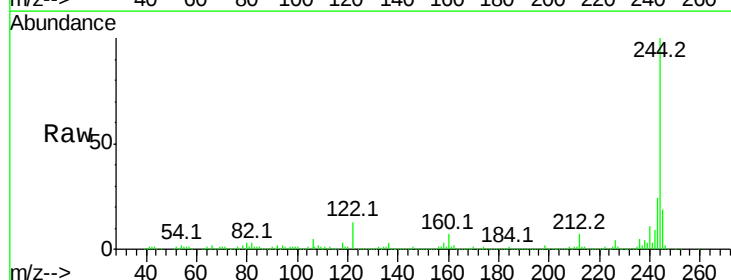
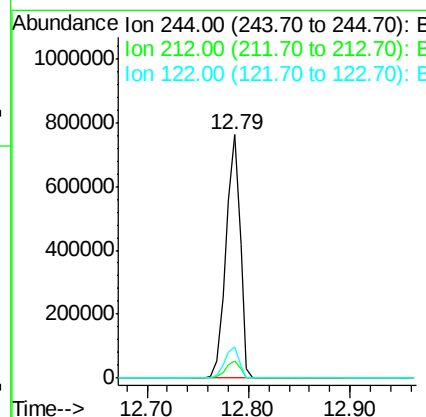
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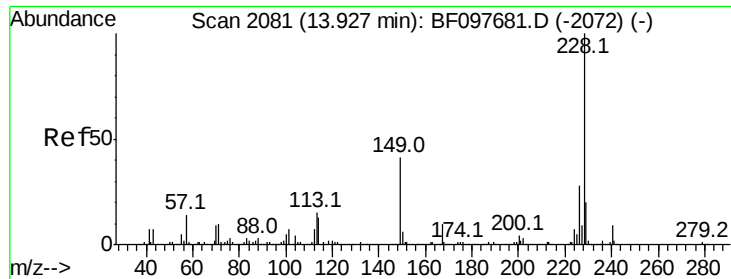
Sohil
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#78
Terphenyl-d14
Concen: 78.577 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.00 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	6.0	9.0
122	12.7	10.3	15.5





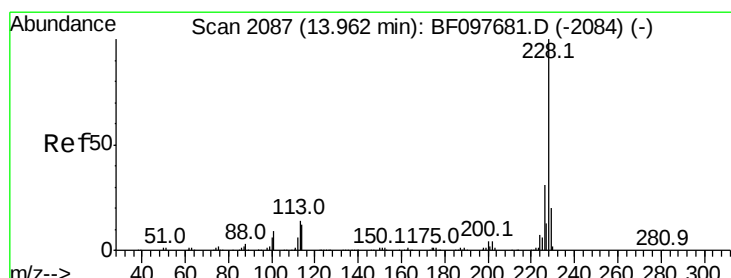
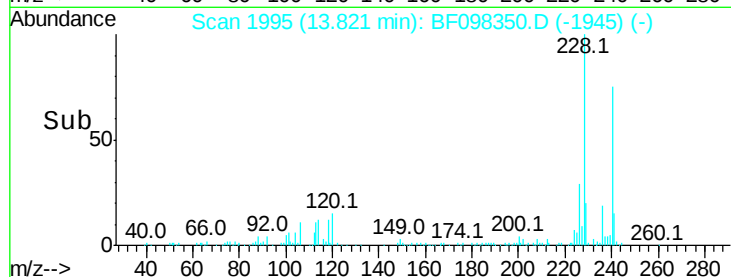
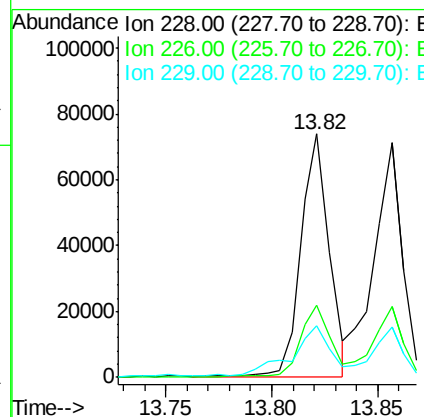
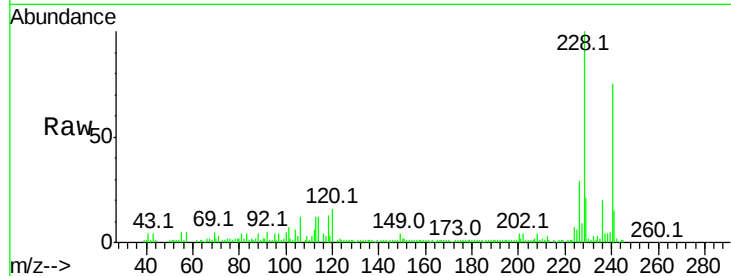
#80
Benzo(a)anthracene
Concen: 5.922 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Instrument :
BNA_F
ClientSampled :
SP-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	21.0	16.3	24.5

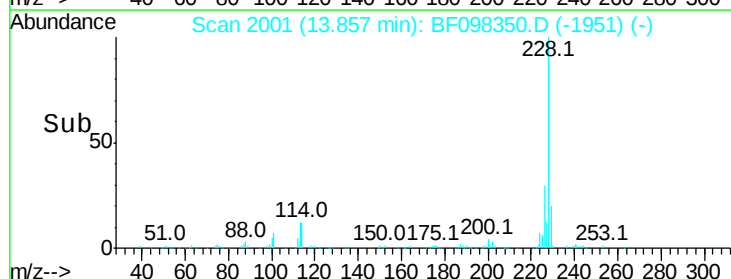
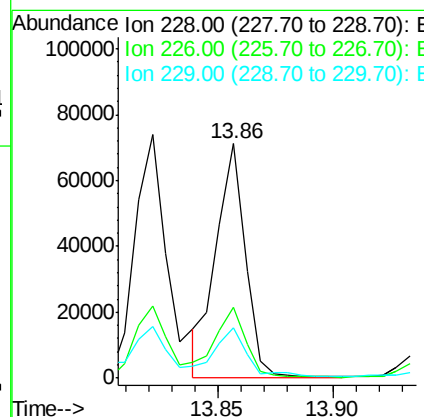
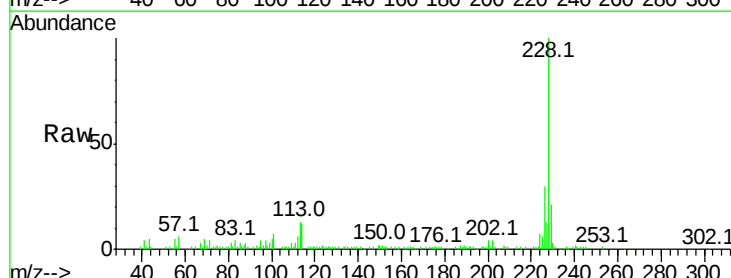
Manual Integrations
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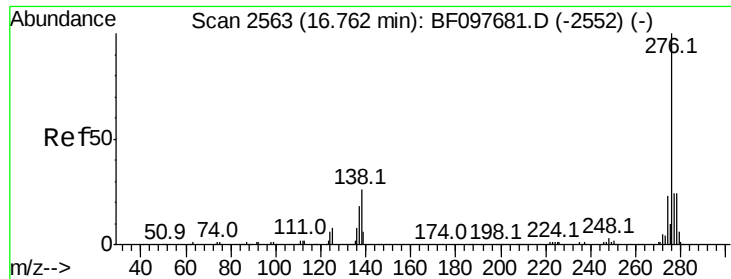
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9/11/2017 4:47:32 PM



#82
Chrysene
Concen: 5.392 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	21.3	15.8	23.6





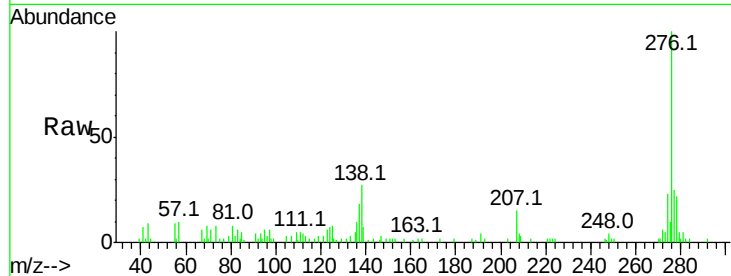
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.526 ng
RT: 16.59 min Scan# 2465
Delta R.T. -0.01 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Instrument :
BNA_F
ClientSampled :
SP-2

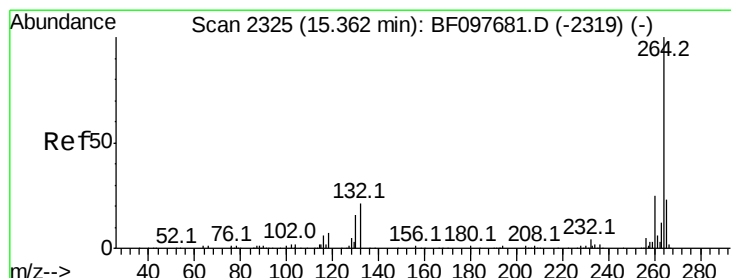
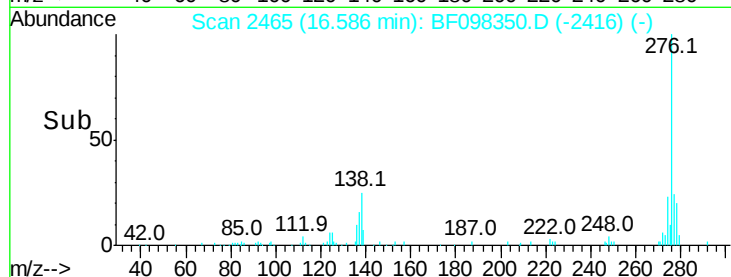
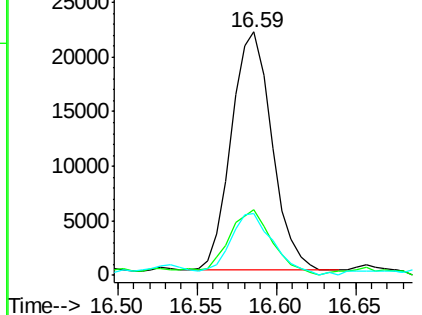
Tot Ion:	276	Resp:	38809
Ion Ratio	Lower	Upper	
276	100		
138	29.6	27.8	41.6
277	27.7	20.2	30.4

Manual Integrations
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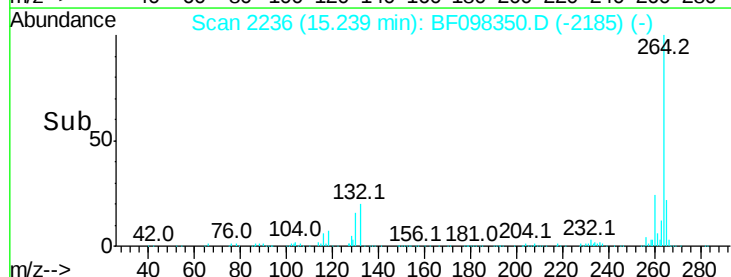
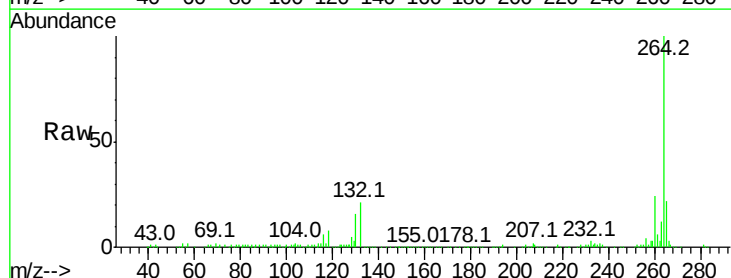
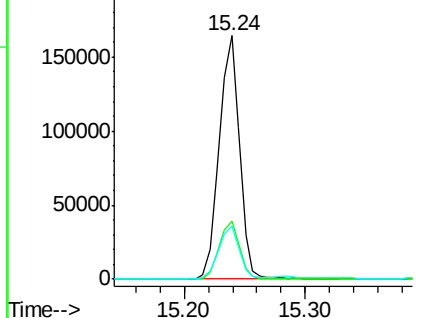
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

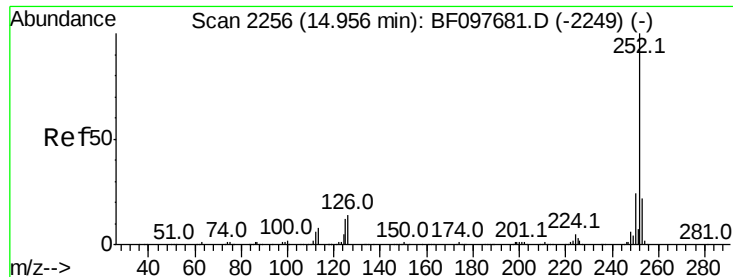


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Tgt Ion:	264	Resp:	190788
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.5	29.3
265	21.6	17.2	25.8

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





#87

Benzo(b)fluoranthene

Concen: 7.126 ng m

RT: 14.84 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

Instrument :

BNA_F

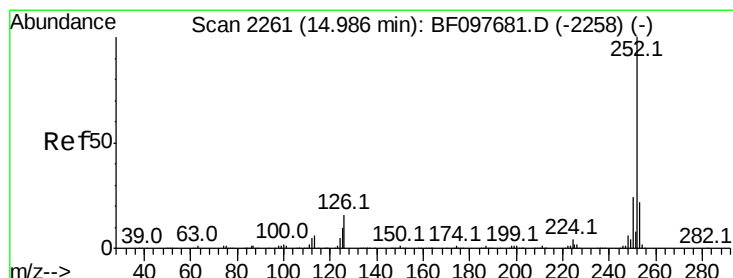
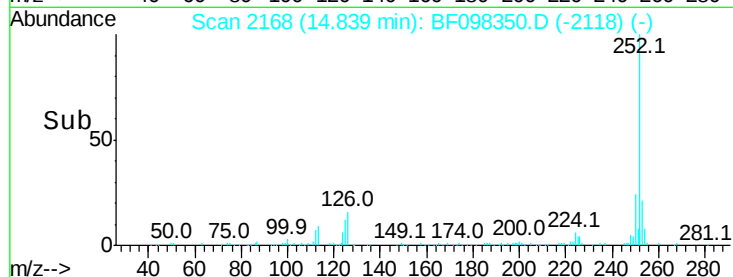
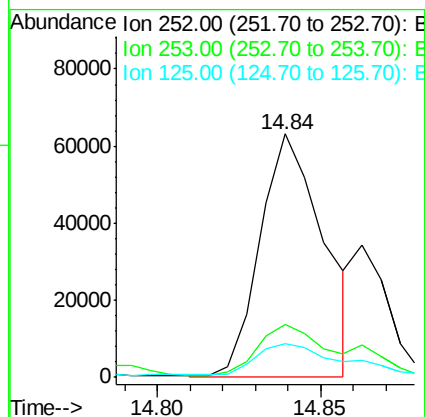
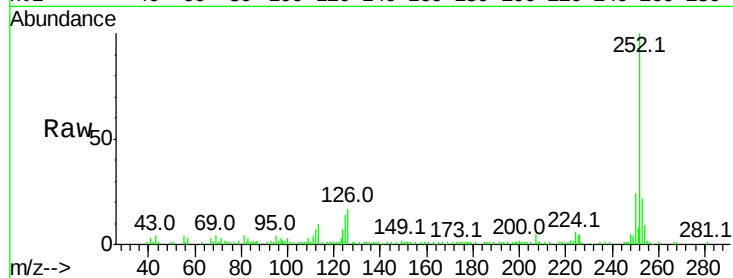
ClientSampled :

SP-2

Tot Ion:	252	Resp:	85698
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.1	27.1
125	13.8	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 2.250 ng m

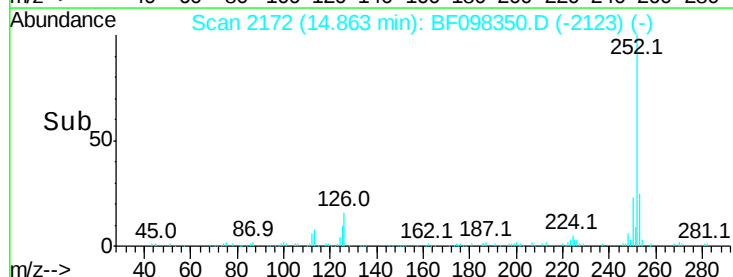
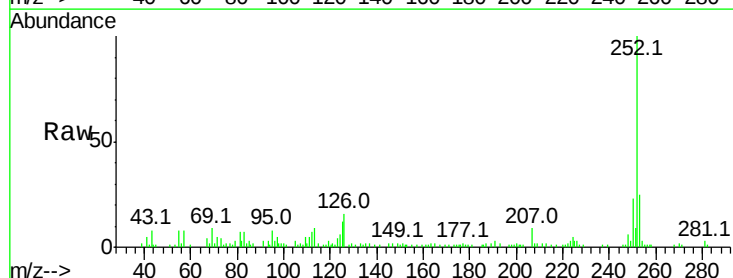
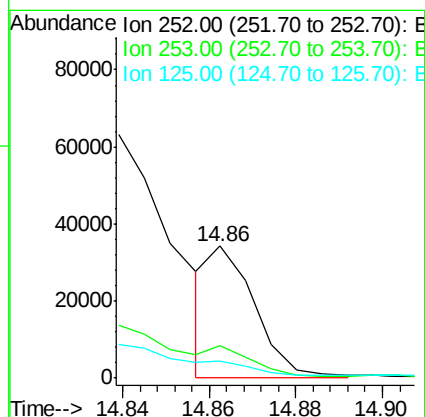
RT: 14.86 min Scan# 2172

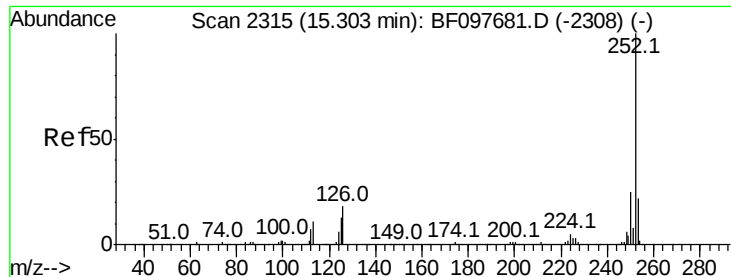
Delta R.T. -0.01 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

Tgt Ion:	252	Resp:	25424
Ion Ratio	Lower	Upper	
252	100		
253	25.0	18.4	27.6
125	12.5	13.1	19.7#





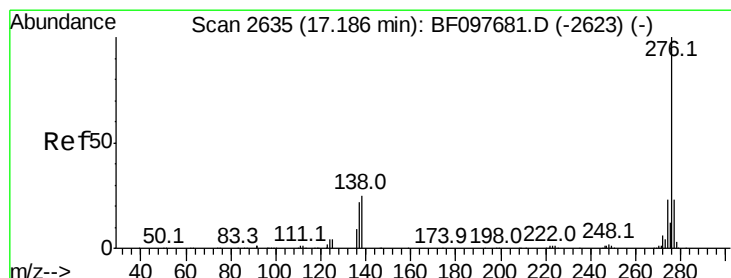
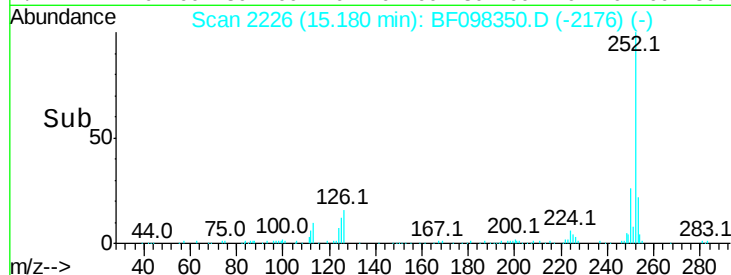
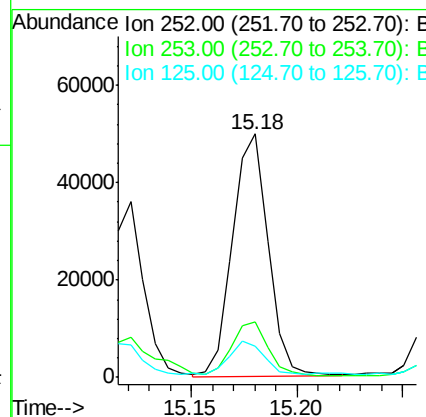
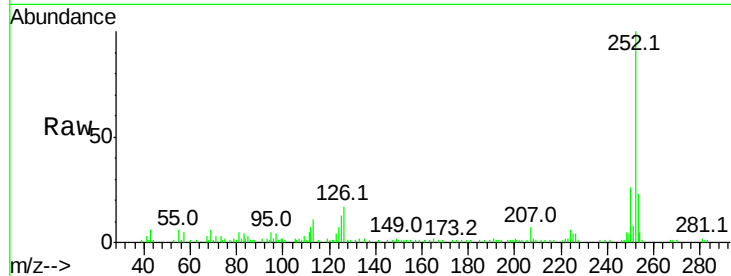
#89
Benzo(a)pyrene
Concen: 5.498 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Instrument :
BNA_F
ClientSampleId :
SP-2

Tot Ion:	252	Resp:	58535
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.5	26.3
125	12.7	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.330 ng
RT: 16.99 min Scan# 2534
Delta R.T. -0.01 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Tgt Ion:	276	Resp:	39161
Ion Ratio	Lower	Upper	
276	100		
277	25.7	18.6	28.0
138	31.2	25.4	38.0

