

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
 Data File : BF099009.D
 Acq On : 2 Oct 2017 19:38
 Operator : SJ/JU
 Sample : I5532-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-64A-1.5-3

Manual Integrations
 APPROVED

Sohil
 10/3/2017 6:50:50 PM

Quant Time: Oct 03 02:14:51 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	6.90	152	123179	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	480626	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	187431	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	277226	20.00	ng	-0.02
75) Chrysene-d12	14.07	240	222095	20.00	ng	-0.02
86) Perylene-d12	15.56	264	240445	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	922887	119.27	ng	-0.01
7) Phenol-d6	6.53	99	1101204	115.36	ng	-0.01
23) Nitrobenzene-d5	7.46	82	665502	88.80	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	169837	110.74	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1049134	93.44	ng	-0.02
78) Terphenyl-d14	13.01	244	653566	66.92	ng	-0.02
Target Compounds						
31) Naphthalene	8.20	128	67712	3.000	ng	98
37) 2-Methylnaphthalene	8.90	142	40709	2.774	ng	97
49) Dimethylphthalate	9.65	163	207694	14.682	ng	100
70) Phenanthrene	11.45	178	85006	5.728	ng	97
74) Fluoranthene	12.64	202	104137	6.930	ng	99
77) Pyrene	12.87	202	96040	5.671	ng	98
80) Benzo(a)anthracene	14.06	228	53894	4.007	ng	96
82) Chrysene	14.09	228	58488	4.568	ng	96
85) Indeno(1,2,3-cd)pyrene	17.06	276	35252	3.442	ng	97
87) Benzo(b)fluoranthene	15.12	252	101852m	6.890	ng	
89) Benzo(a)pyrene	15.49	252	45826	3.377	ng	# 92
91) Benzo(a,h,i)perylene	17.52	276	28527	2.657	ng	98

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

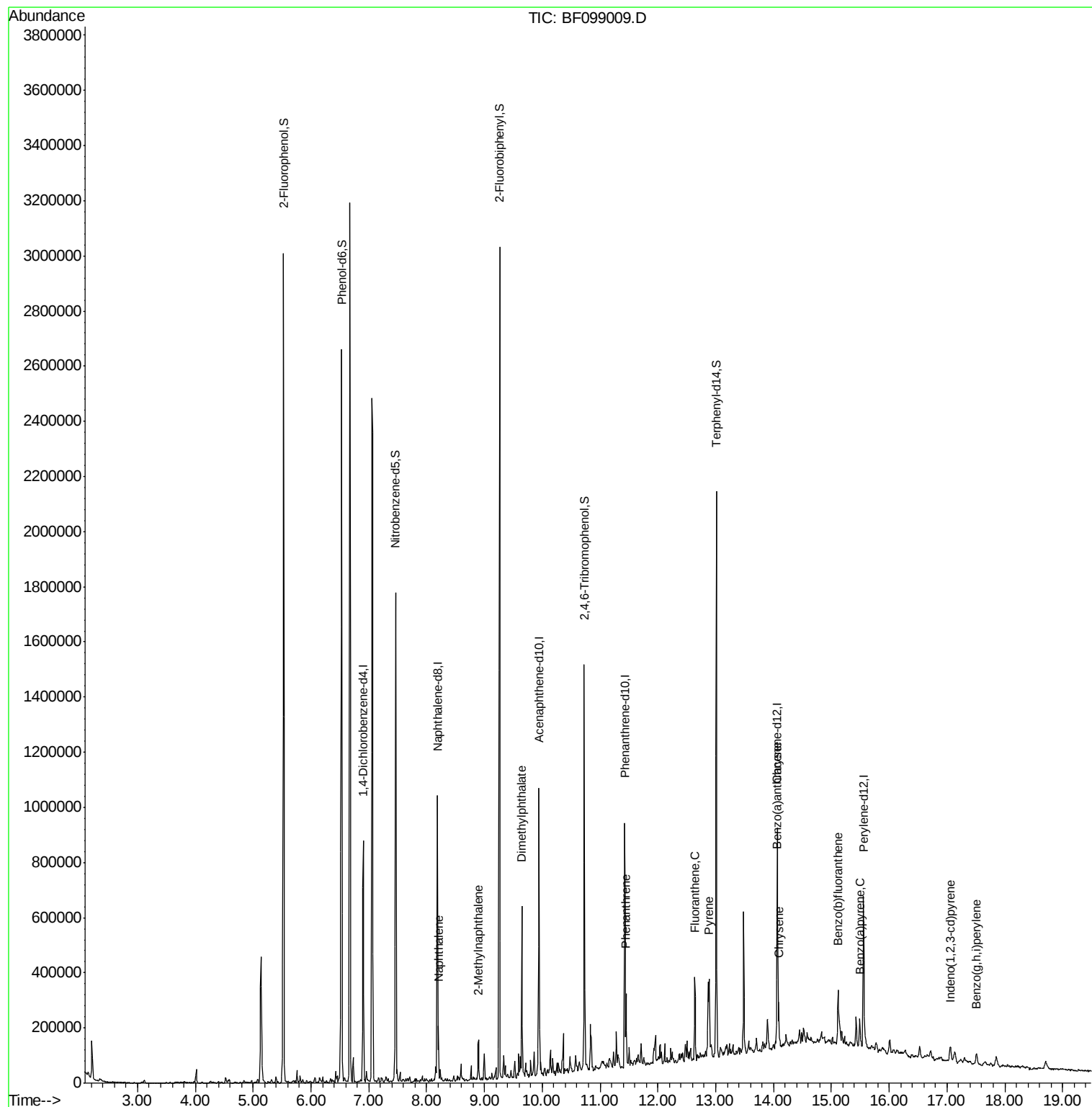
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
Data File : BF099009.D
Acq On : 2 Oct 2017 19:38
Operator : SJ/JU
Sample : I5532-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

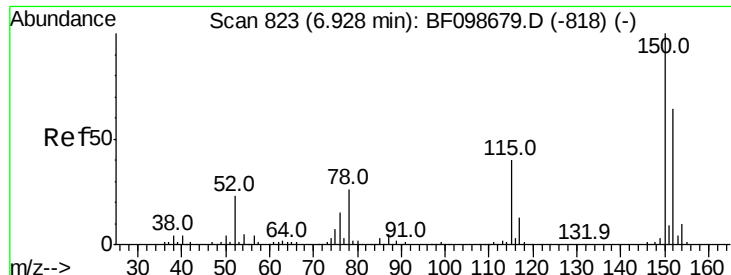
Instrument :
BNA_F
ClientSampleId :
G-64A-1.5-3

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

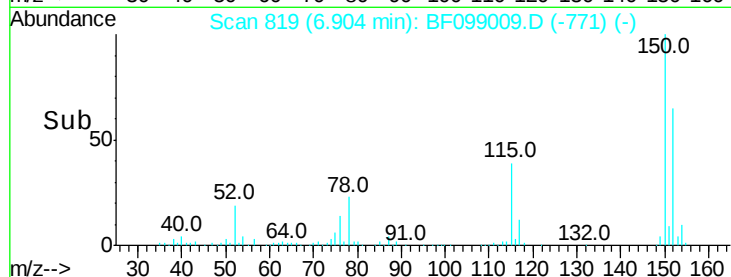
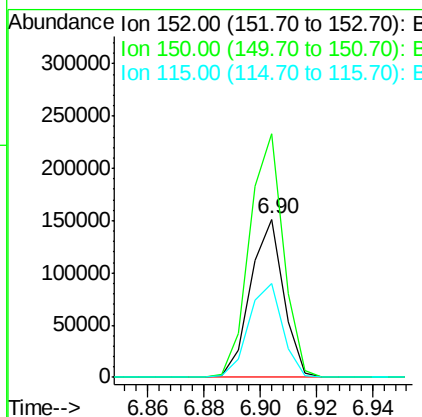
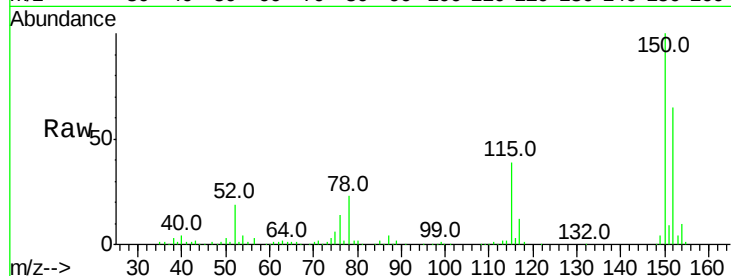
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Instrument :
BNA_F
ClientSampleId :
G-64A-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.6	186.8
115	59.6	50.1	75.1

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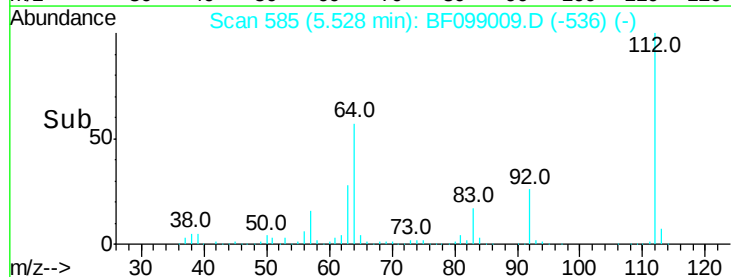
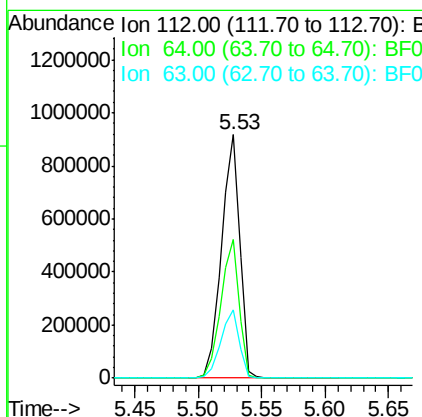
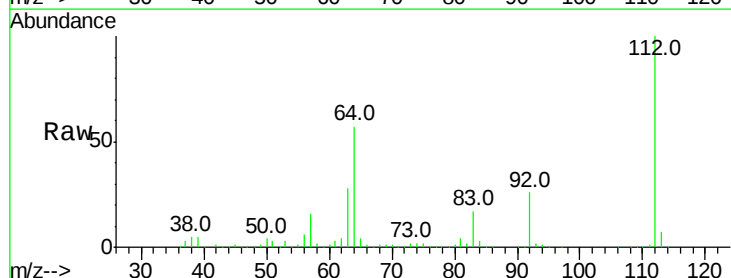
Sohil
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#5

2-Fluorophenol
Concen: 119.269 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	27.9	23.7	35.5





#7

Phenol-d6

Concen: 115.363 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF099009.D

Acq: 2 Oct 2017 19:38

Instrument :

BNA_F

ClientSampled :

G-64A-1.5-3

Tot Ion: 99 Resp: 1101204

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

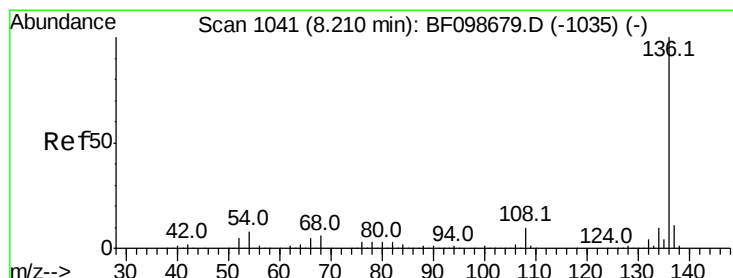
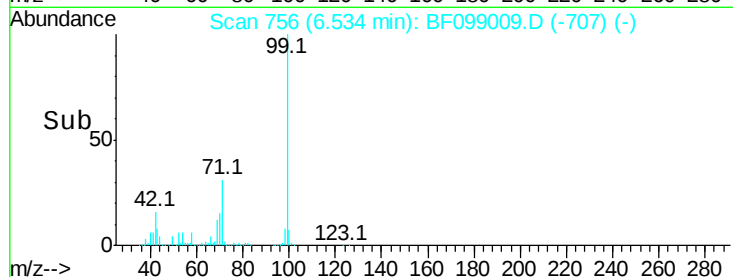
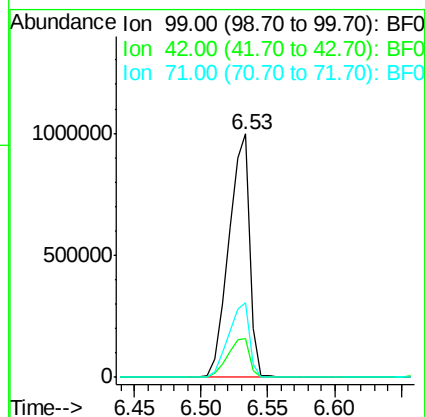
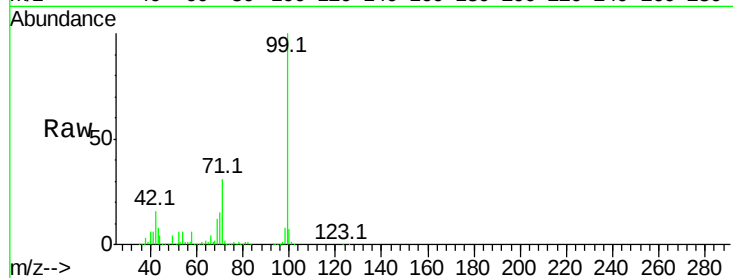
71 30.9 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF099009.D

Acq: 2 Oct 2017 19:38

Tgt Ion: 136 Resp: 480626

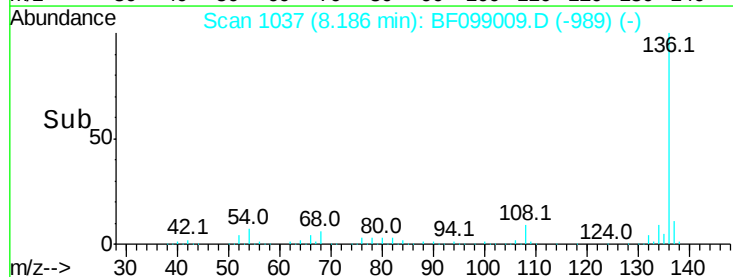
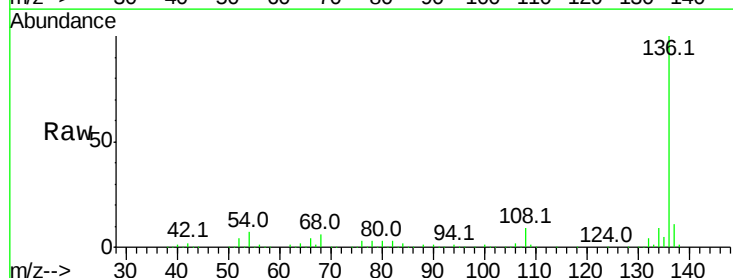
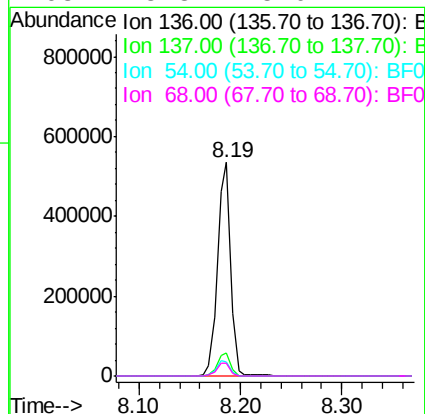
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.8 6.6 9.8

68 5.8 5.0 7.4





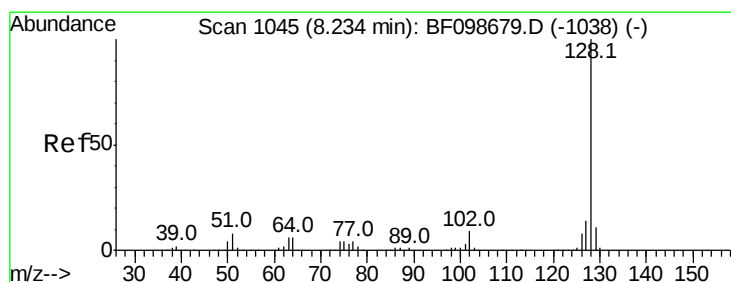
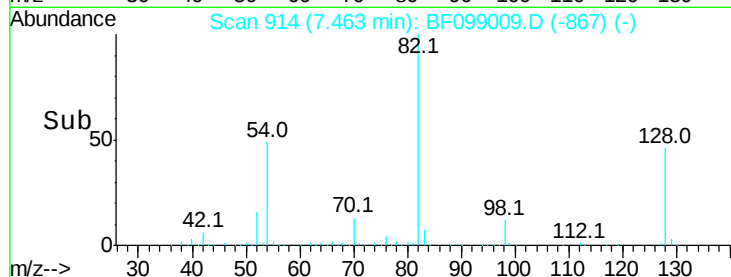
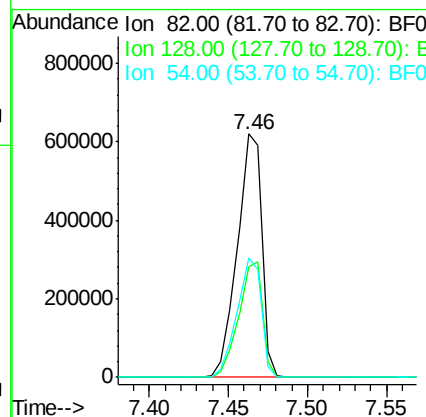
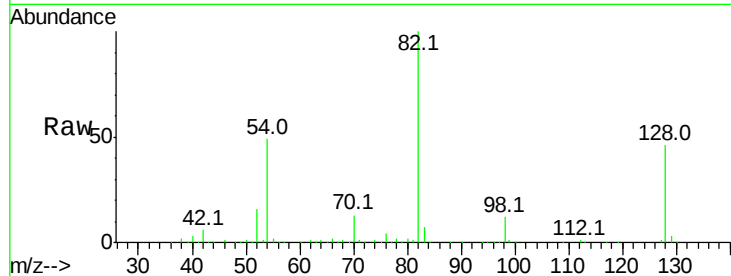
#23
 Nitrobenzene-d5
 Concen: 88.798 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.02 min
 Lab File: BF099009.D
 Acq: 2 Oct 2017 19:38

Instrument :
 BNA_F
 ClientSampleId :
 G-64A-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.6	36.1	54.1	
54	49.3	41.4	62.2	

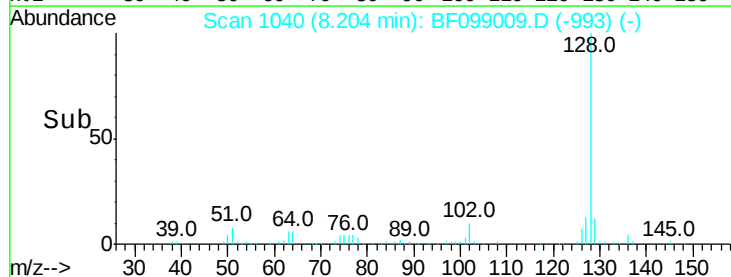
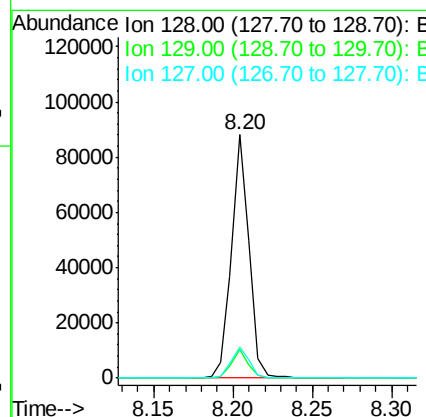
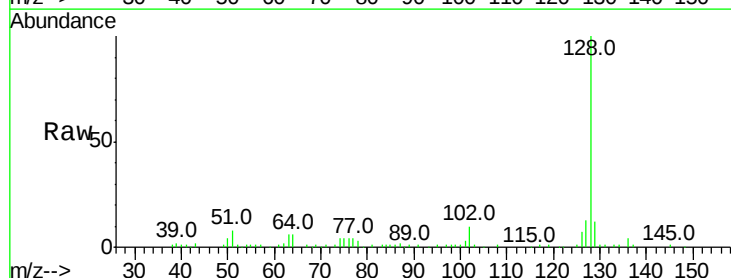
Manual Integrations
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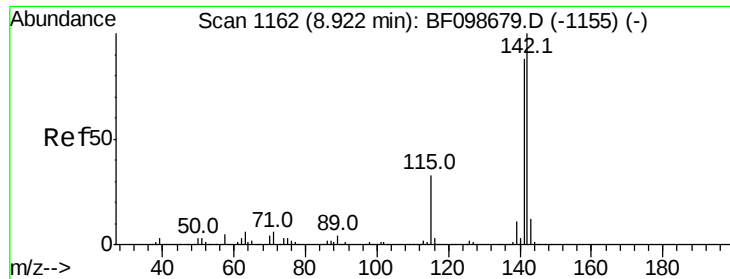
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#31
 Naphthalene
 Concen: 3.000 ng
 RT: 8.20 min Scan# 1040
 Delta R.T. -0.02 min
 Lab File: BF099009.D
 Acq: 2 Oct 2017 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.9	8.8	13.2	
127	12.8	10.9	16.3	





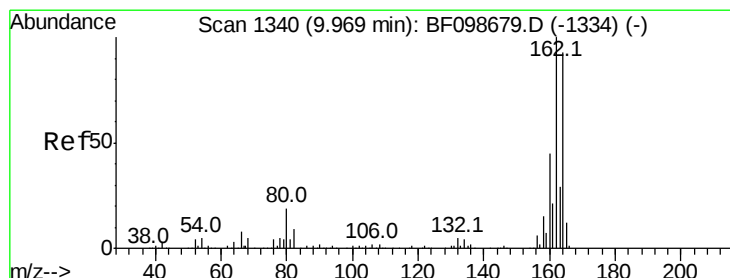
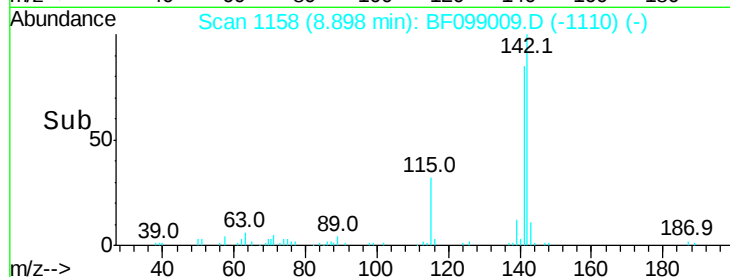
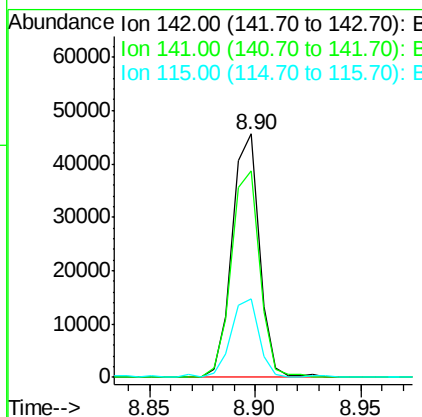
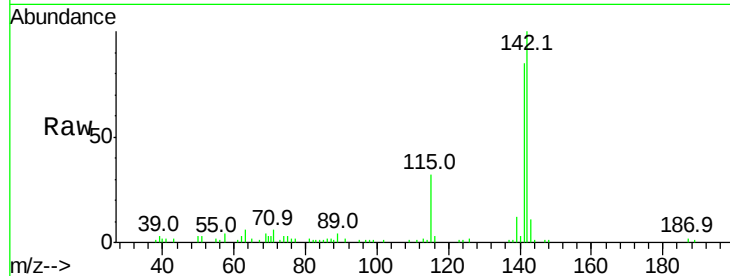
#37
2-Methylnaphthalene
Concen: 2.774 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Instrument :
BNA_F
ClientSampleId :
G-64A-1.5-3

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.0	70.8	106.2
115	32.1	26.1	39.1

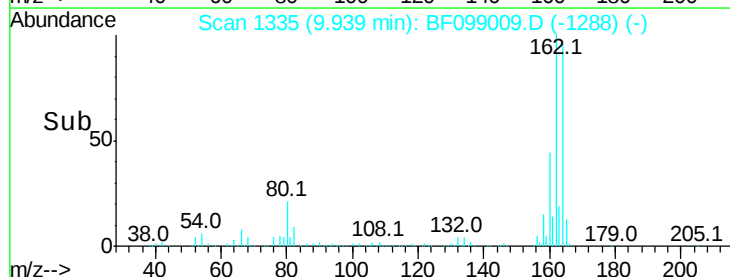
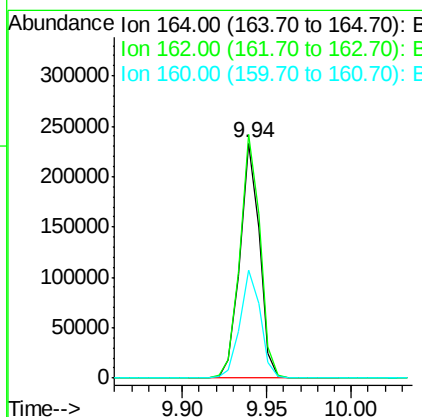
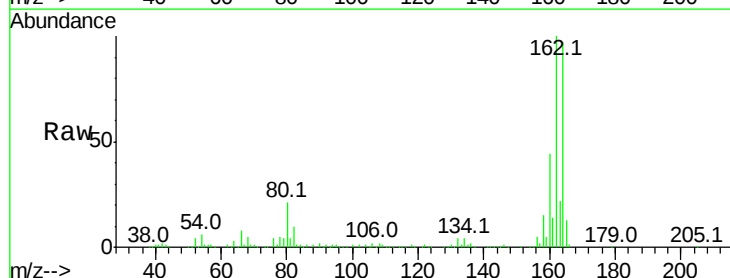
Manual Integrations
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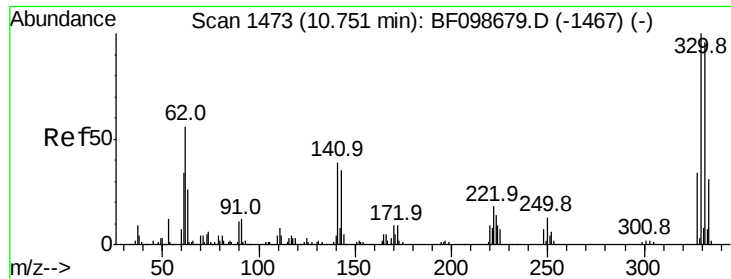
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	86.1	129.1
160	46.1	38.3	57.5





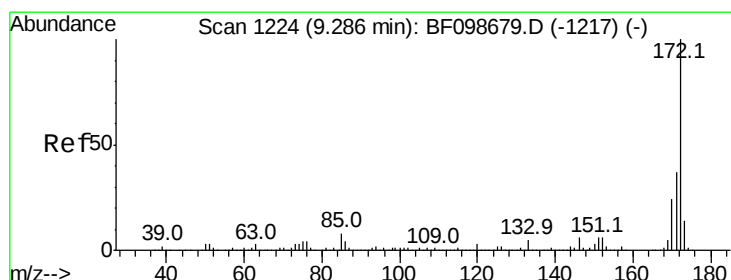
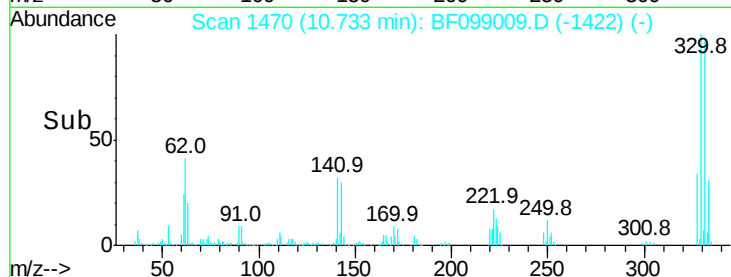
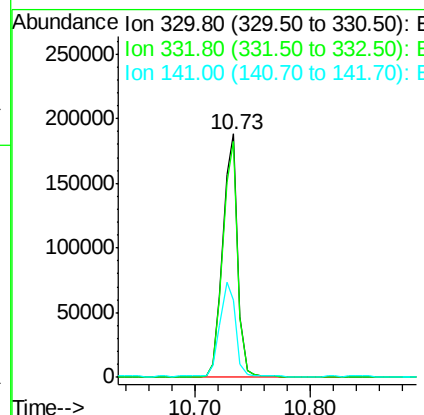
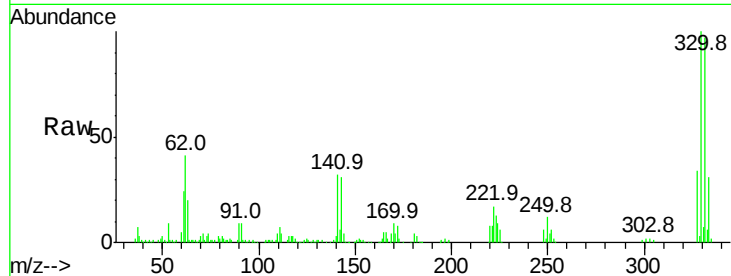
#41
 2,4,6-Tribromophenol
 Concen: 110.737 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF099009.D
 Acq: 2 Oct 2017 19:38

Instrument :
 BNA_F
 ClientSampleId :
 G-64A-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	169837		
332	96.7	77.0	115.6	
141	41.4	29.9	44.9	

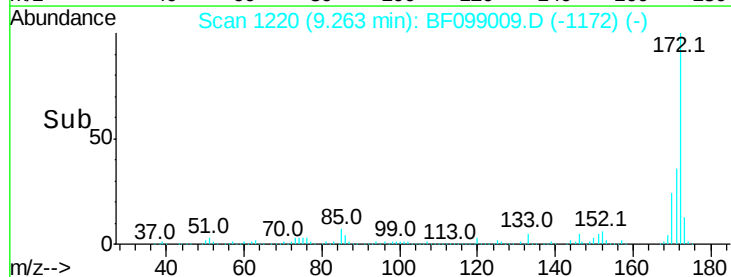
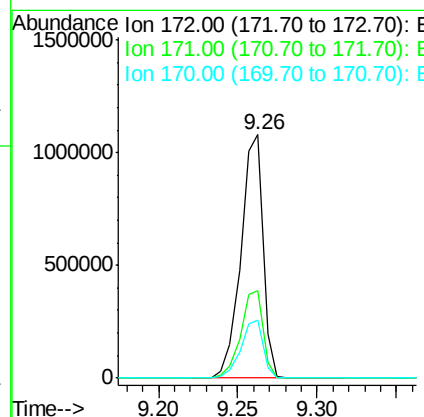
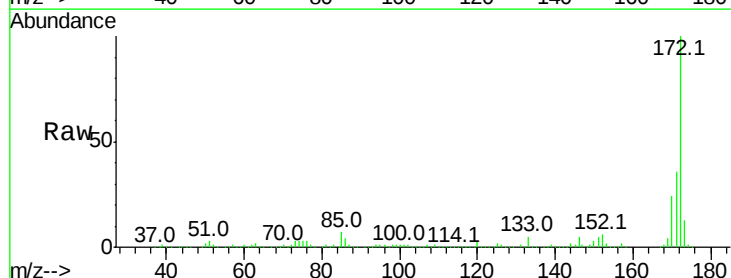
Manual Integrations
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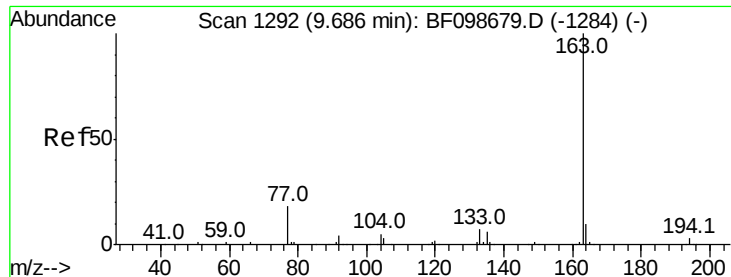
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 93.445 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: BF099009.D
 Acq: 2 Oct 2017 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1049134		
171	35.7	29.7	44.5	
170	24.0	19.6	29.4	





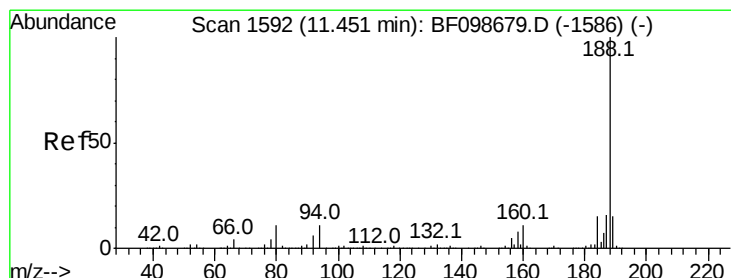
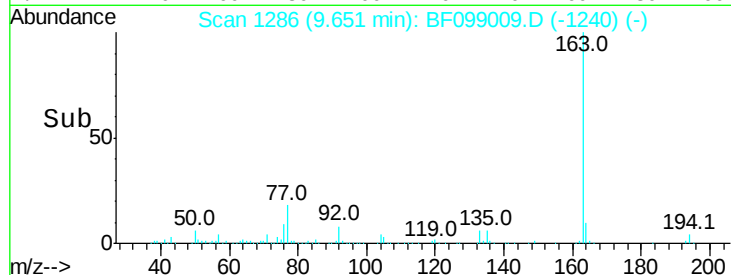
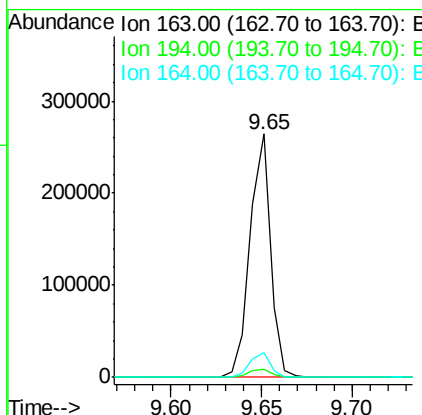
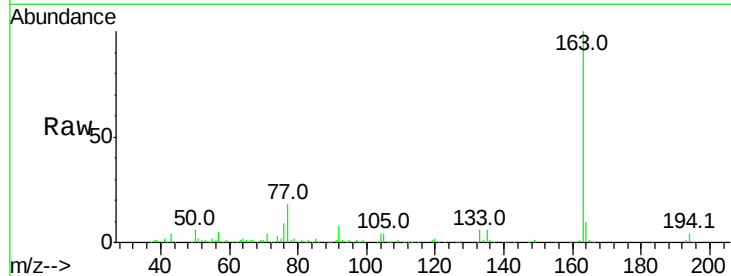
#49
Dimethylphthalate
Concen: 14.682 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.03 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Instrument :
BNA_F
ClientSampleId :
G-64A-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
163	100	207694		
194	3.5		2.7	4.1
164	10.3		8.2	12.2

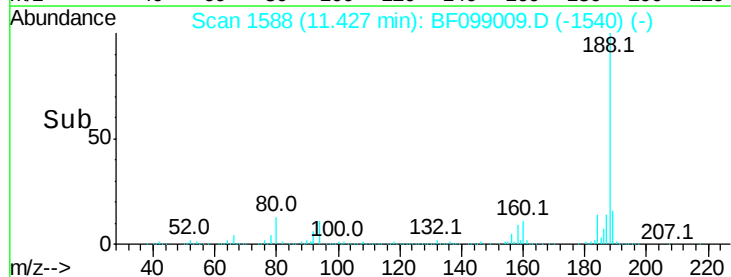
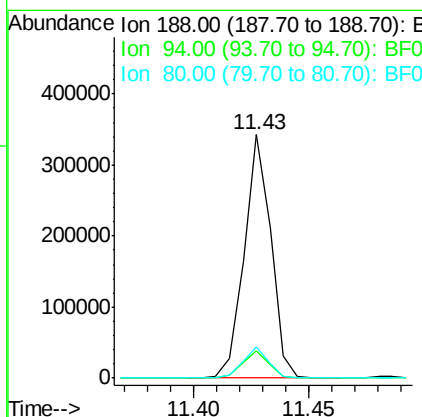
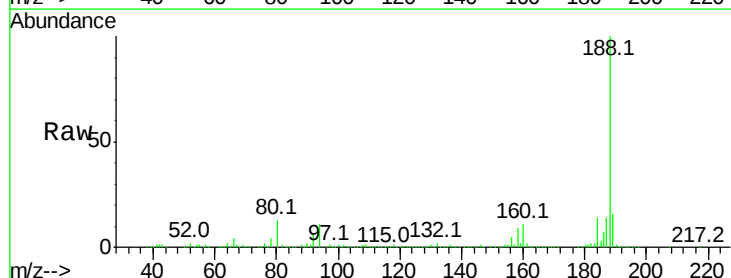
Manual Integrations
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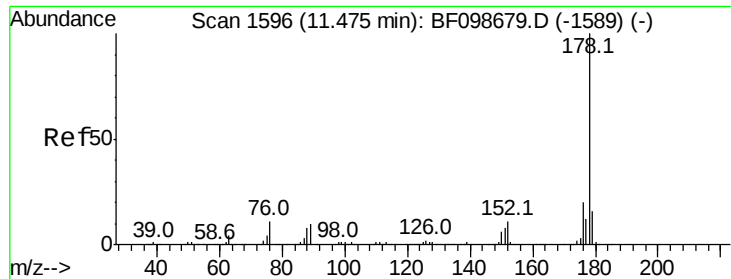
Sohil
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	277226		
94	11.3		8.5	12.7
80	12.8		9.2	13.8





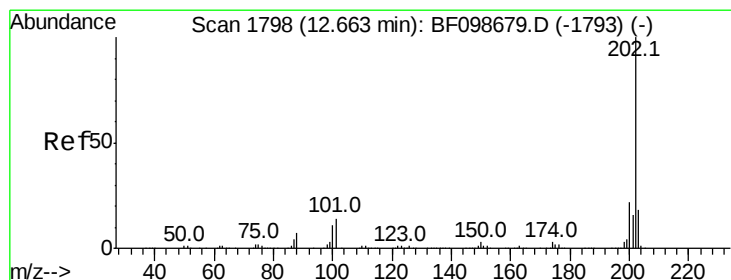
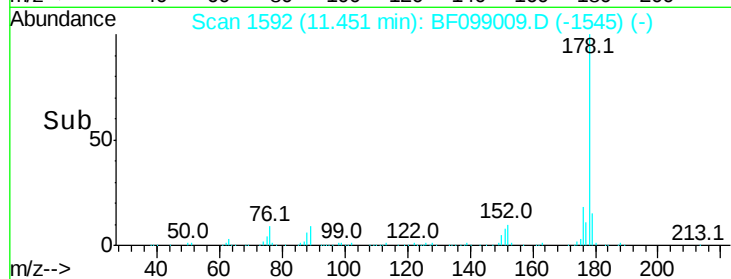
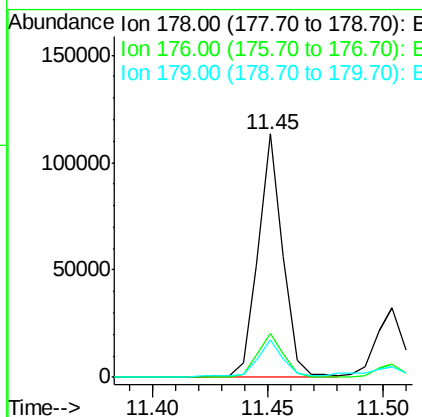
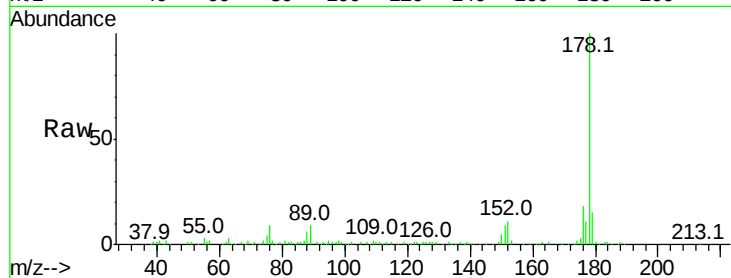
#70
Phenanthrene
Concen: 5.728 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.02 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Instrument :
BNA_F
ClientSampleId :
G-64A-1.5-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.3	13.0	19.6

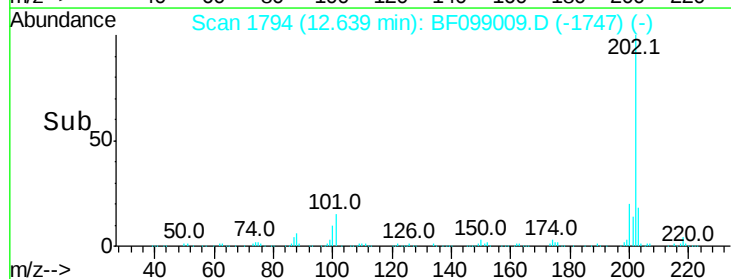
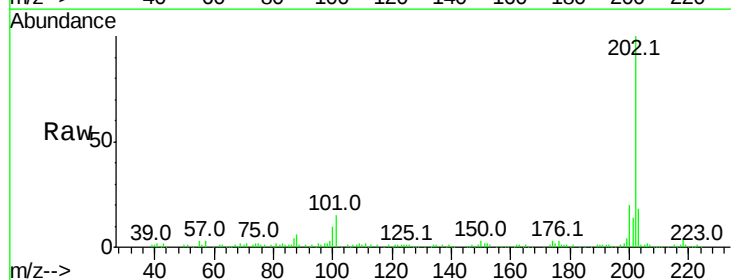
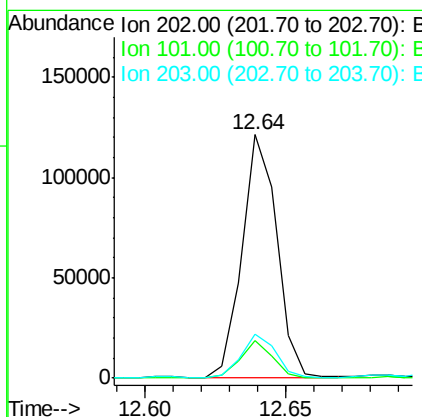
Manual Integrations
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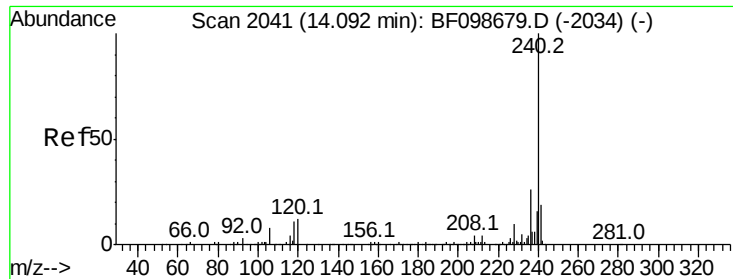
Sohil
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#74
Fluoranthene
Concen: 6.930 ng
RT: 12.64 min Scan# 1794
Delta R.T. -0.02 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.2	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.02 min

Lab File: BF099009.D

Acq: 2 Oct 2017 19:38

Instrument :

BNA_F

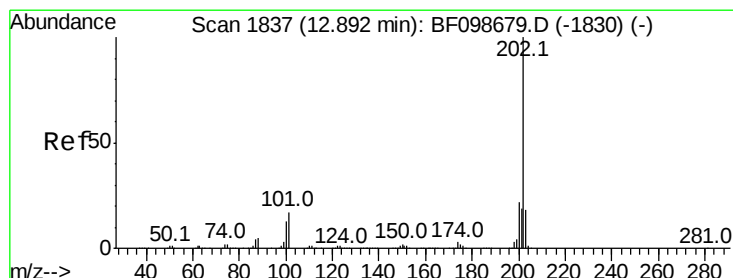
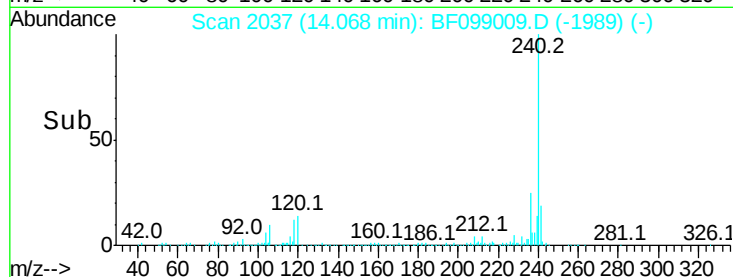
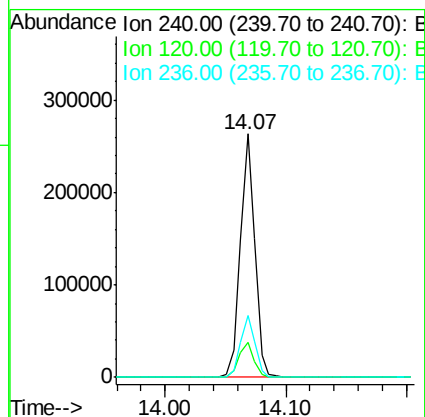
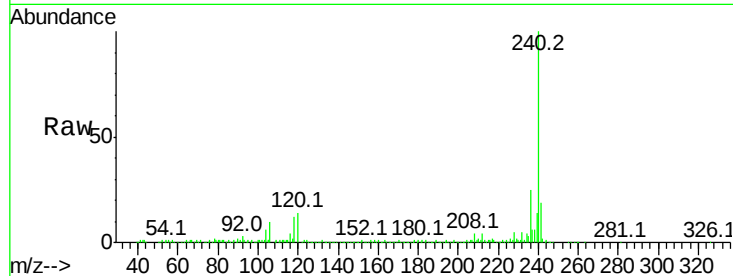
ClientSampleId :

G-64A-1.5-3

Tot Ion:	240	Resp:	222095
Ion Ratio	Lower	Upper	
240	100		
120	14.3	9.5	14.3#
236	25.2	20.7	31.1

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#77

Pyrene

Concen: 5.671 ng

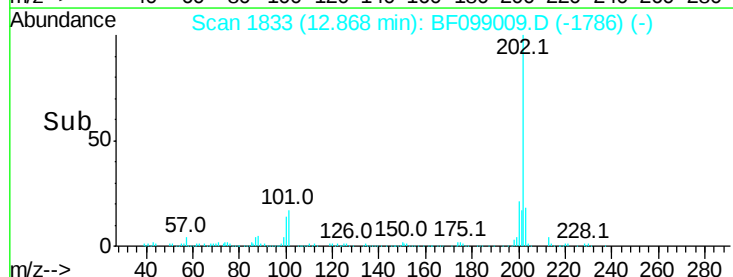
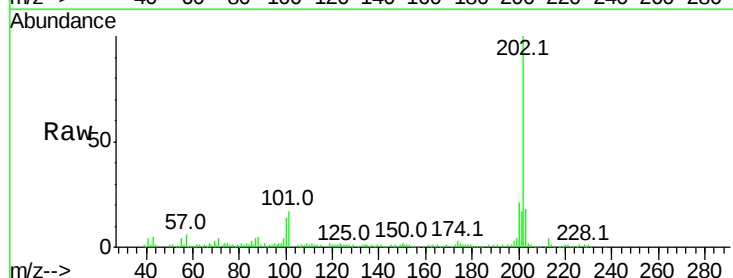
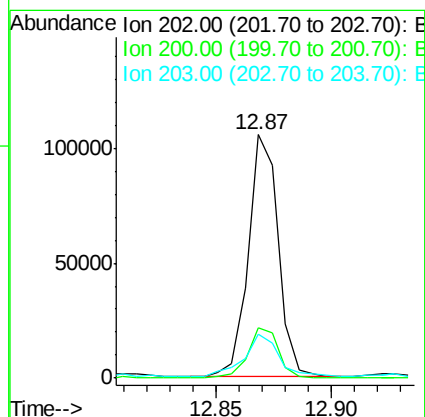
RT: 12.87 min Scan# 1833

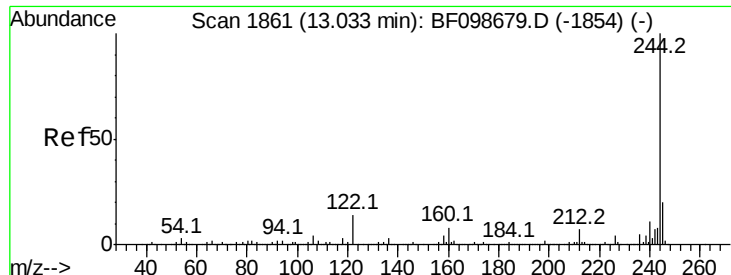
Delta R.T. -0.02 min

Lab File: BF099009.D

Acq: 2 Oct 2017 19:38

Tgt Ion:	202	Resp:	96040
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	18.0	14.3	21.5





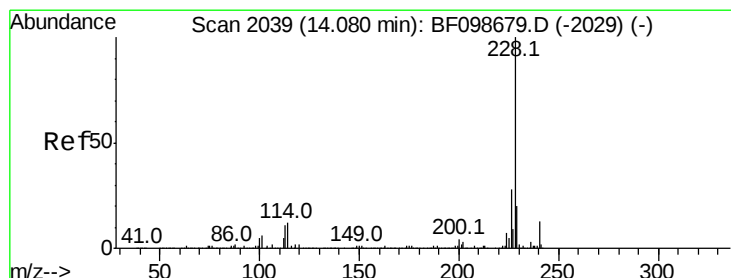
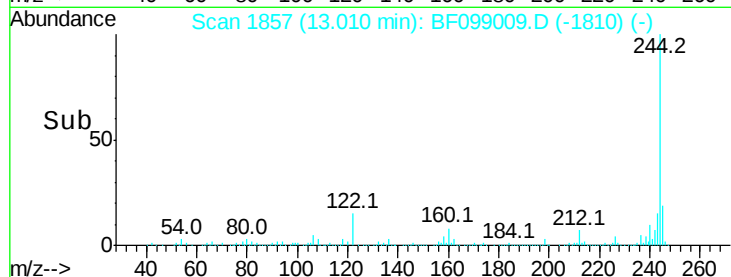
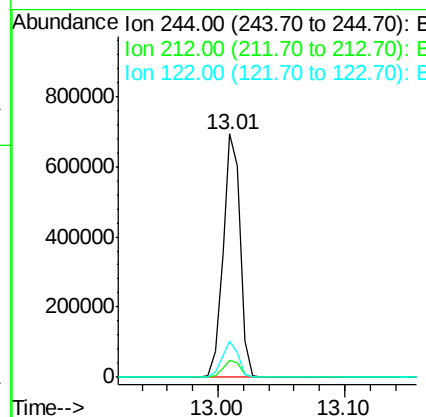
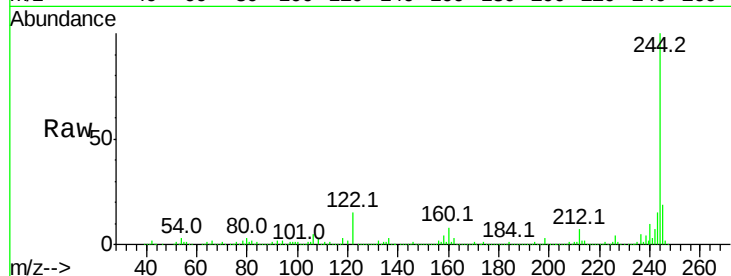
#78
 Terphenyl-d14
 Concen: 66.924 ng
 RT: 13.01 min Scan# 1857
 Delta R.T. -0.02 min
 Lab File: BF099009.D
 Acq: 2 Oct 2017 19:38

Instrument :
 BNA_F
 ClientSampleId :
 G-64A-1.5-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	15.0	11.0	16.4

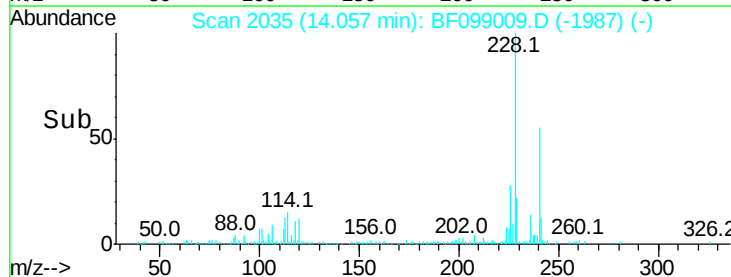
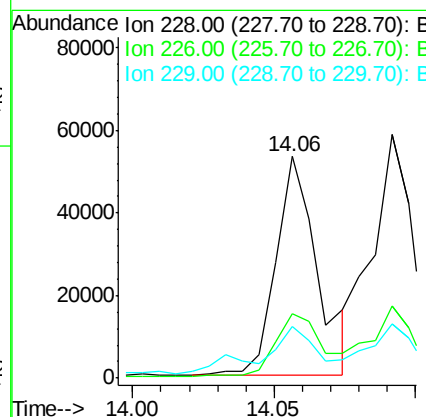
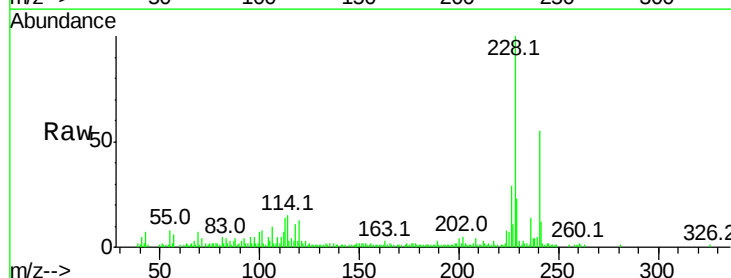
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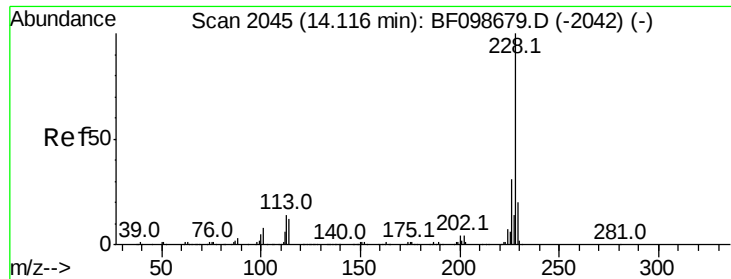
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#80
 Benzo(a)anthracene
 Concen: 4.007 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.02 min
 Lab File: BF099009.D
 Acq: 2 Oct 2017 19:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	23.1	15.8	23.6





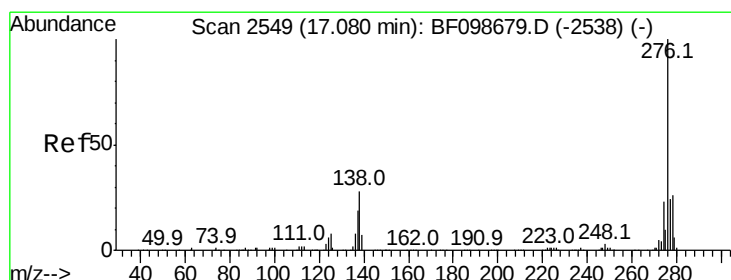
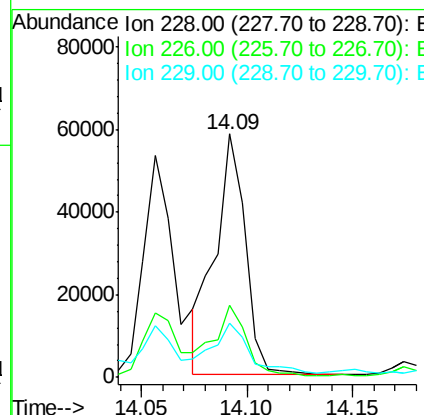
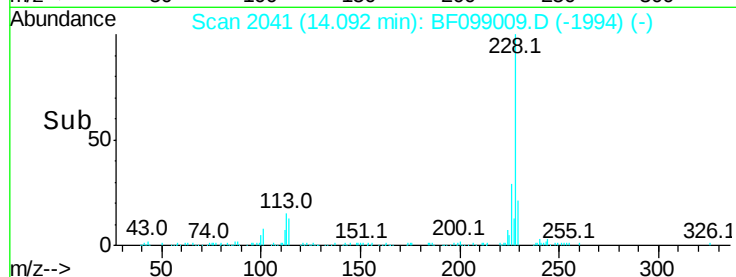
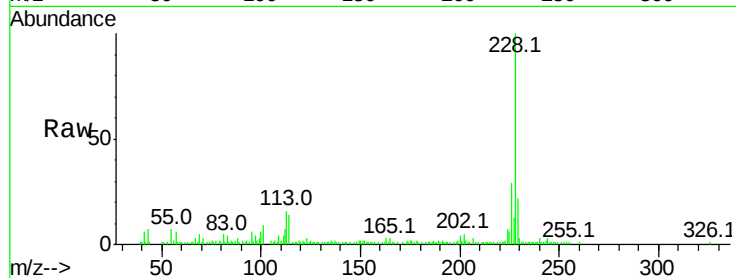
#82
Chrysene
Concen: 4.568 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.02 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Instrument :
BNA_F
ClientSampleId :
G-64A-1.5-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.6
229	22.5	16.2	24.4

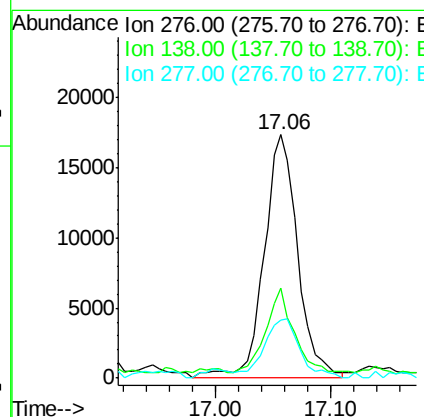
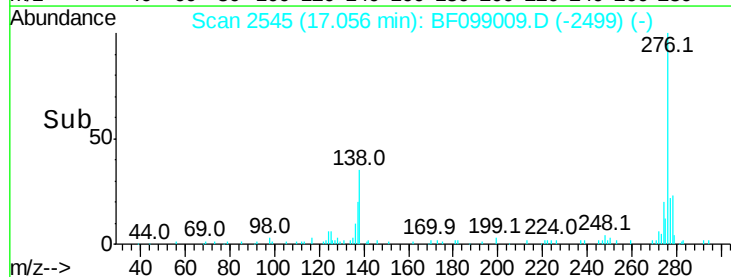
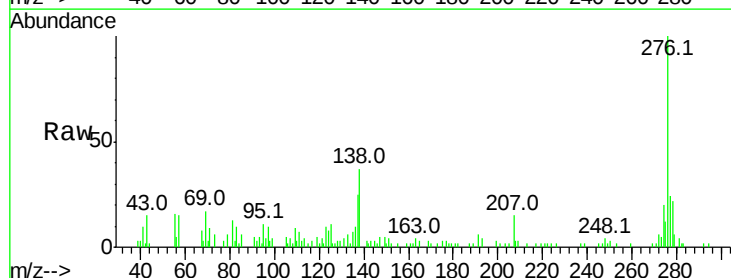
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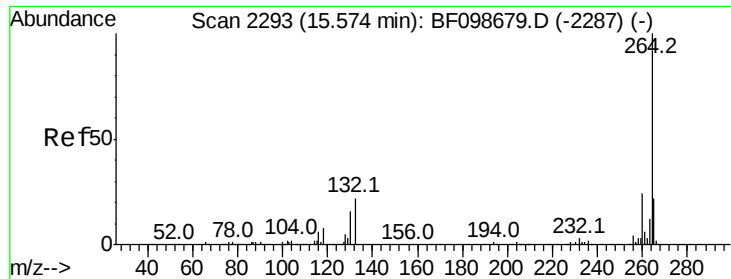
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.442 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.03 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.5	25.0	37.6
277	26.3	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2290

Delta R.T. -0.02 min

Lab File: BF099009.D

Acq: 2 Oct 2017 19:38

Instrument :

BNA_F

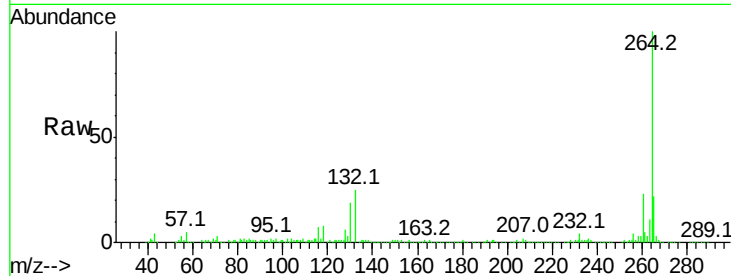
ClientSampleId :

G-64A-1.5-3

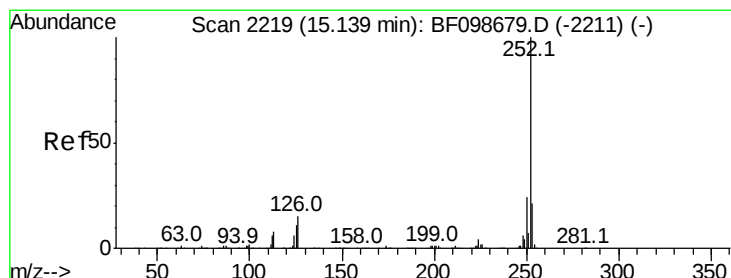
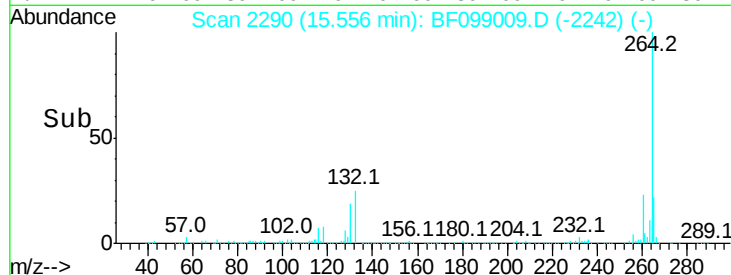
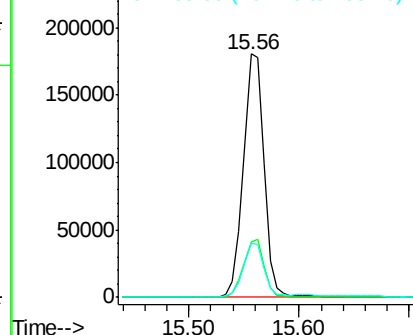
Tot Ion:	264	Resp:	240445
Ion Ratio	Lower	Upper	
264	100		
260	22.9	19.2	28.8
265	22.1	17.5	26.3

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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: 6.890 ng m

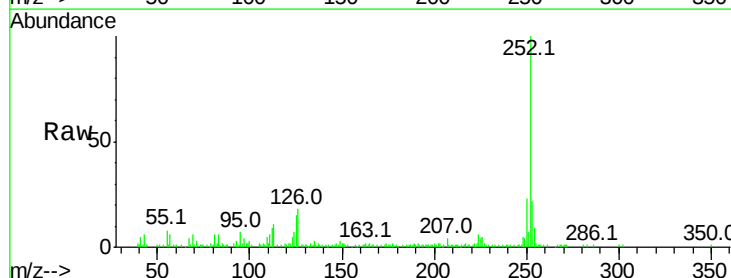
RT: 15.12 min Scan# 2215

Delta R.T. -0.02 min

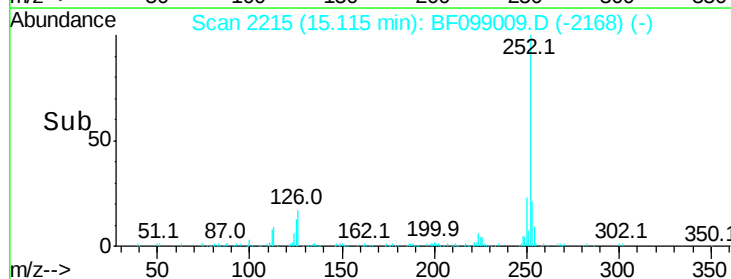
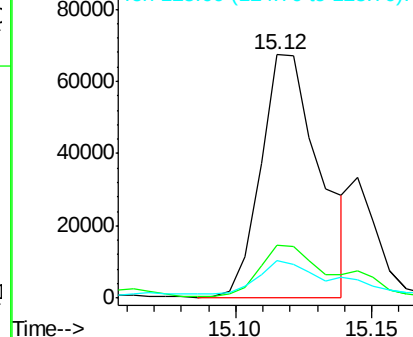
Lab File: BF099009.D

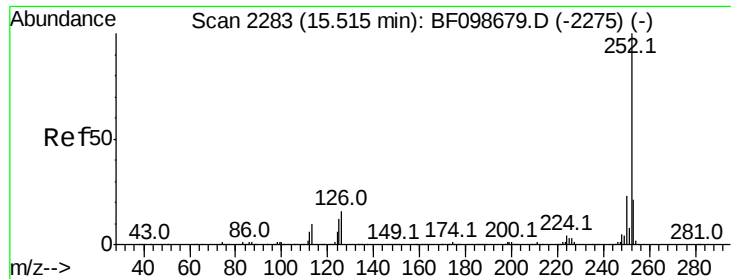
Acq: 2 Oct 2017 19:38

Tgt Ion:	252	Resp:	101852
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.0	25.6
125	15.3	9.0	13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





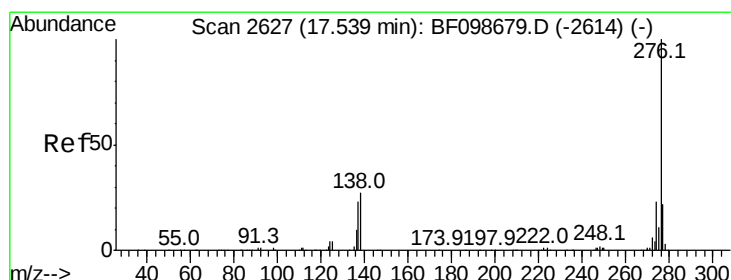
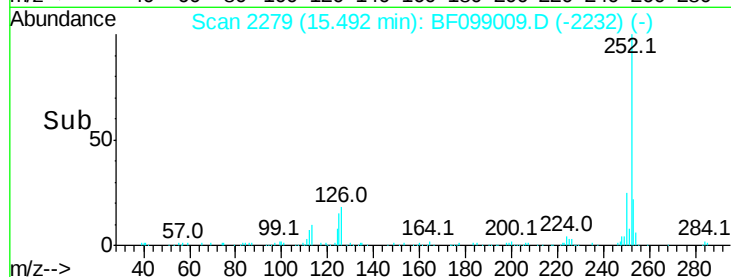
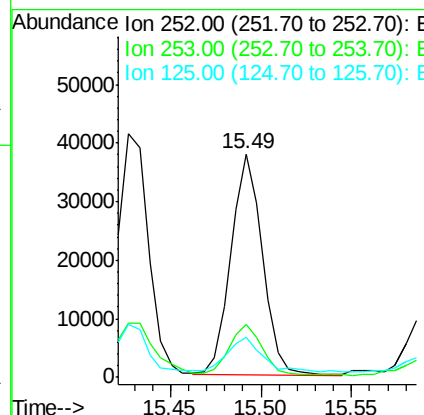
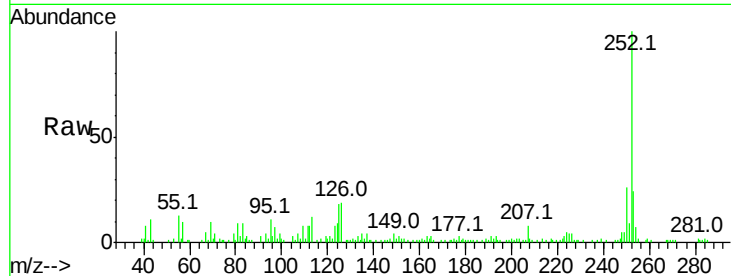
#89
Benzo(a)pyrene
Concen: 3.377 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Instrument :
BNA_F
ClientSampled :
G-64A-1.5-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	18.0	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.657 ng
RT: 17.52 min Scan# 2623
Delta R.T. -0.03 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.7	17.9	26.9
138	28.8	21.8	32.8

