

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
 Data File : BF098689.D
 Acq On : 22 Sep 2017 10:16
 Operator : SJ/JU
 Sample : I5311-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-091917

Manual Integrations
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Quant Time: Sep 22 12:58:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 11:54:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	144043	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	562662	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	215796	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	305537	20.00	ng	0.00
75) Chrysene-d12	14.09	240	282816	20.00	ng	0.00
86) Perylene-d12	15.58	264	325554	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	725715	76.51	ng	0.00
7) Phenol-d6	6.55	99	1031305	89.78	ng	0.00
23) Nitrobenzene-d5	7.49	82	645660	77.84	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	87690	44.43	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	1059648	78.14	ng	0.00
78) Terphenyl-d14	13.03	244	739033	56.11	ng	0.00
Target Compounds						
10) Phenol	6.55	94	30539	2.409	ng	86
49) Dimethylphthalate	9.67	163	86039	5.317	ng	99
70) Phenanthrene	11.47	178	64236	3.876	ng	96
74) Fluoranthene	12.66	202	174252	10.549	ng	98
77) Pyrene	12.89	202	184849	8.804	ng	98
80) Benzo(a)anthracene	14.07	228	123654	7.259	ng	# 78
82) Chrysene	14.11	228	127118	7.727	ng	97
85) Indeno(1,2,3-cd)pyrene	17.09	276	101331	7.940	ng	96
87) Benzo(b)fluoranthene	15.13	252	225835m	11.961	ng	
88) Benzo(k)fluoranthene	15.16	252	66969m	3.549	ng	
89) Benzo(a)pyrene	15.52	252	151837	8.855	ng	# 93
91) Benzo(a,h,i)perylene	17.54	276	97590	6.695	ng	98

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

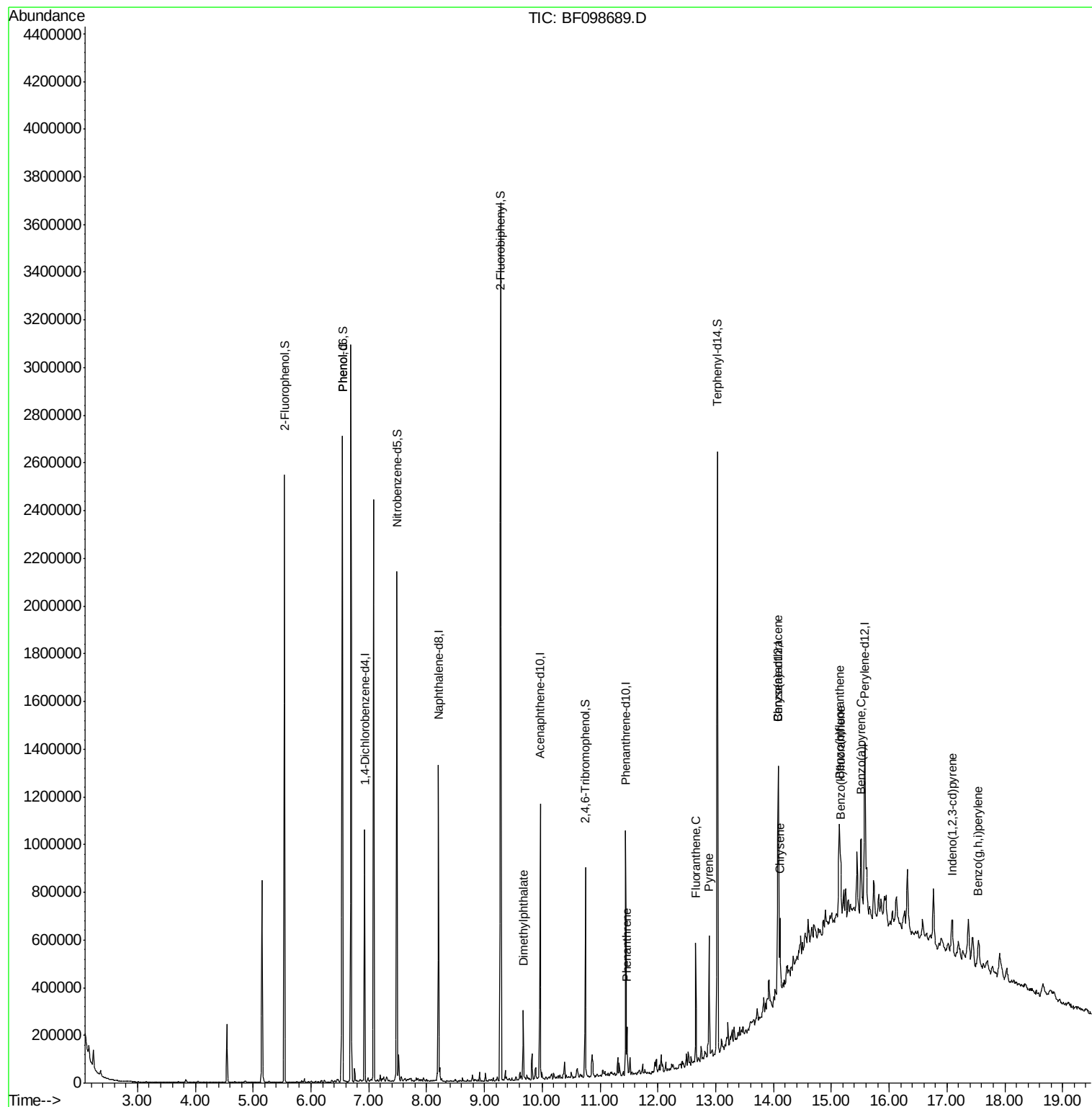
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098689.D
Acq On : 22 Sep 2017 10:16
Operator : SJ/JU
Sample : I5311-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

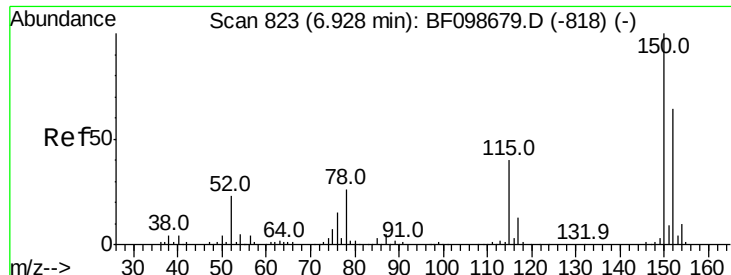
Instrument :
BNA_F
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OK-03-091917

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Quant Time: Sep 22 12:58:24 2017
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#1

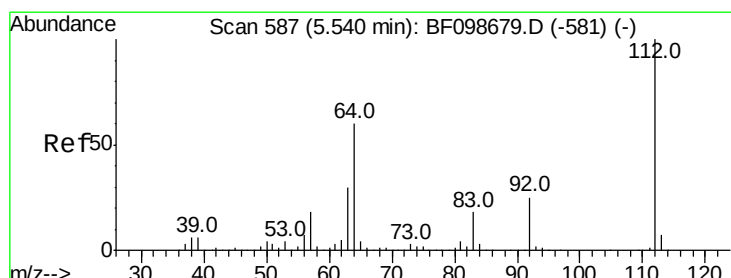
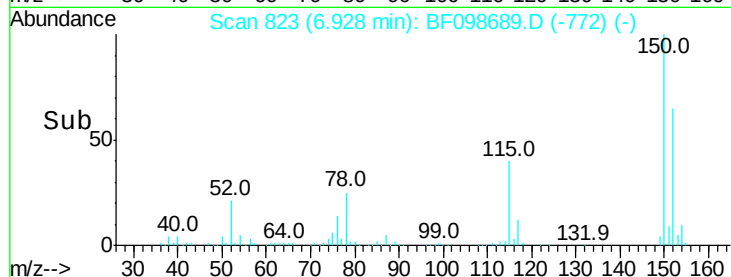
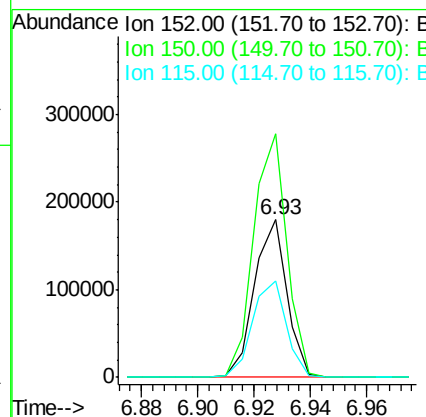
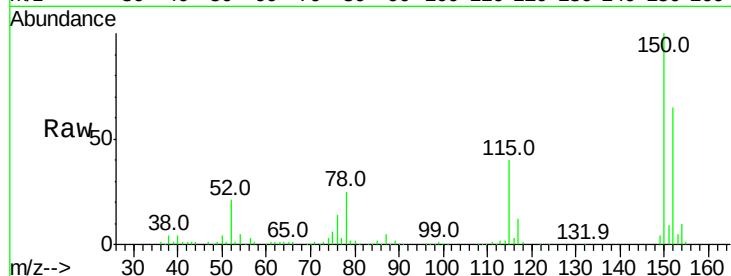
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.00 min
Lab File: BF098689.D
Acq: 22 Sep 2017 10:16

Instrument :
BNA_F
ClientSampleId :
OK-03-091917

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.6	186.8
115	61.0	50.1	75.1

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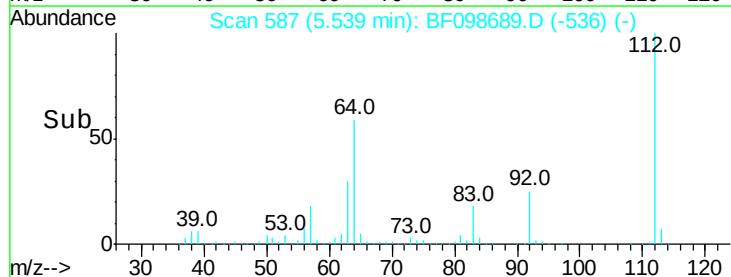
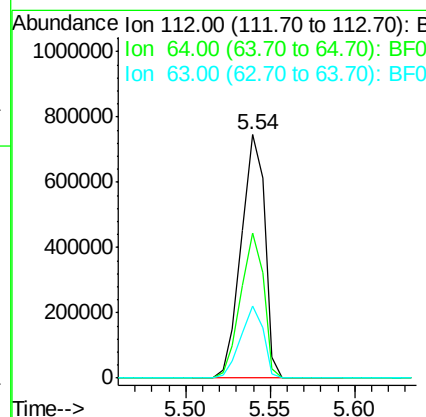
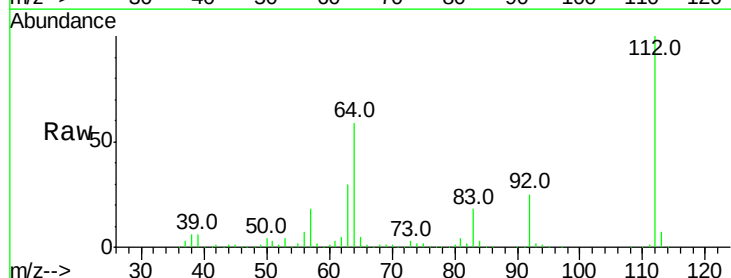
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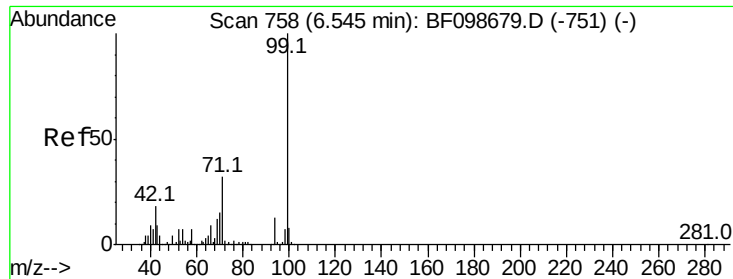


#5

2-Fluorophenol
Concen: 76.506 ng
RT: 5.54 min Scan# 587
Delta R.T. -0.00 min
Lab File: BF098689.D
Acq: 22 Sep 2017 10:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.9	71.9
63	29.7	23.7	35.5





#7

Phenol-d6

Concen: 89.782 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF098689.D

Acq: 22 Sep 2017 10:16

Instrument :

BNA_F

ClientSampled :

OK-03-091917

Tot Ion: 99 Resp: 1031305

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

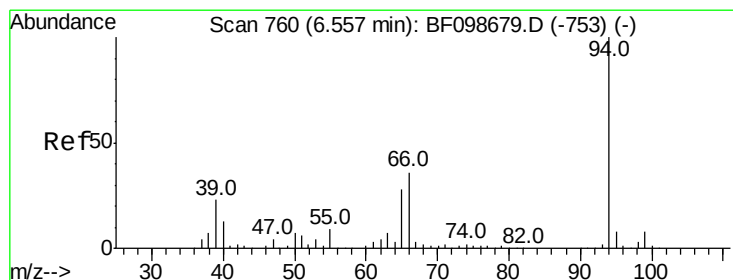
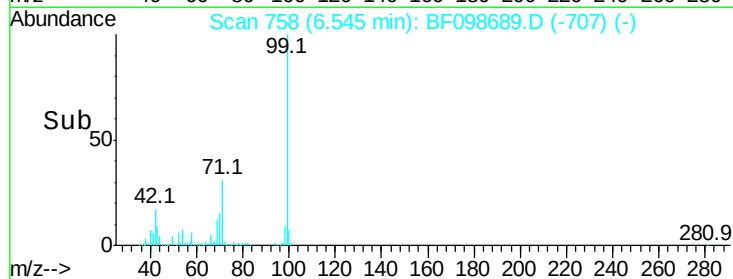
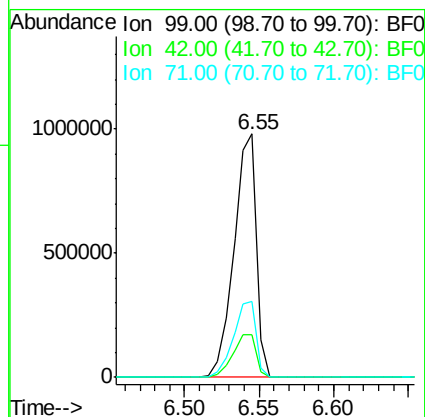
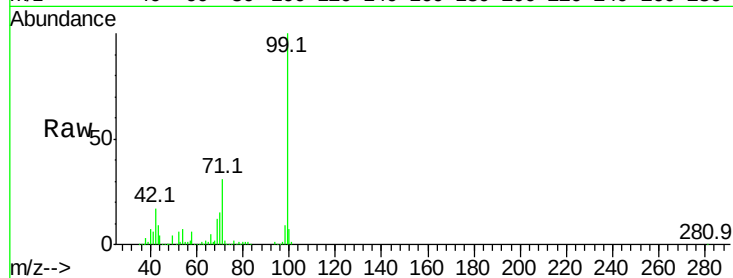
71 31.3 25.4 38.0

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#10

Phenol

Concen: 2.409 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF098689.D

Acq: 22 Sep 2017 10:16

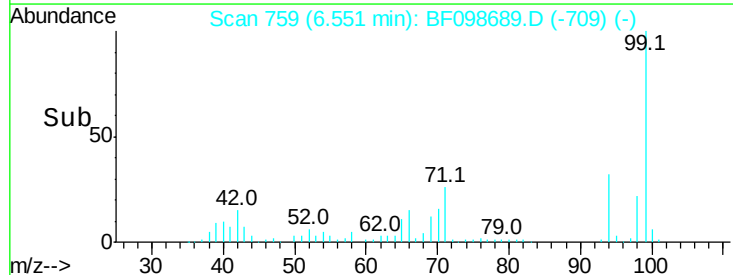
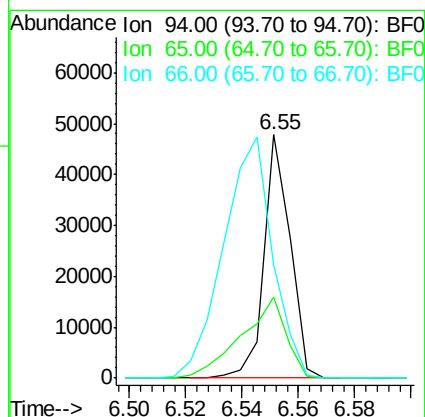
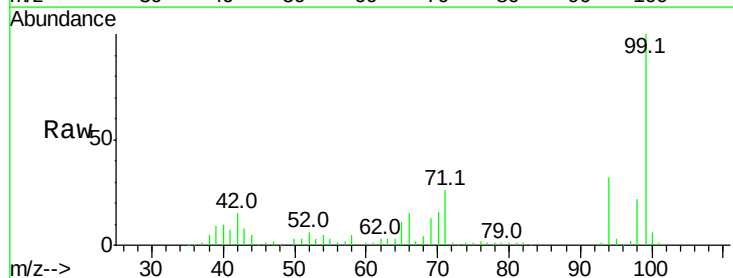
Tgt Ion: 94 Resp: 30539

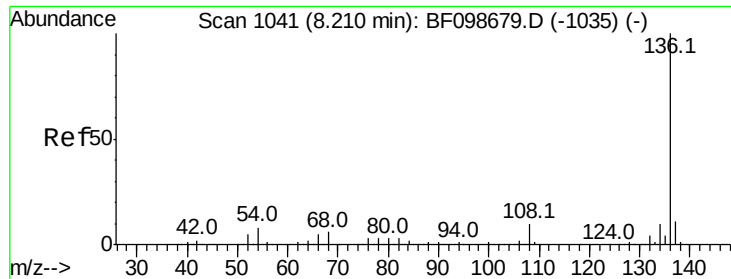
Ion Ratio Lower Upper

94 100

65 33.4 7.9 47.9

66 46.5 16.2 56.2





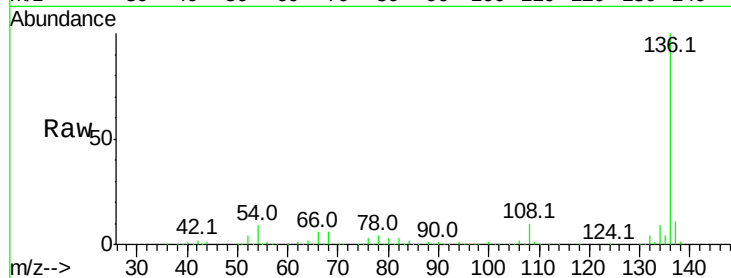
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF098689.D
Acq: 22 Sep 2017 10:16

Instrument :
BNA_F
ClientSampleId :
OK-03-091917

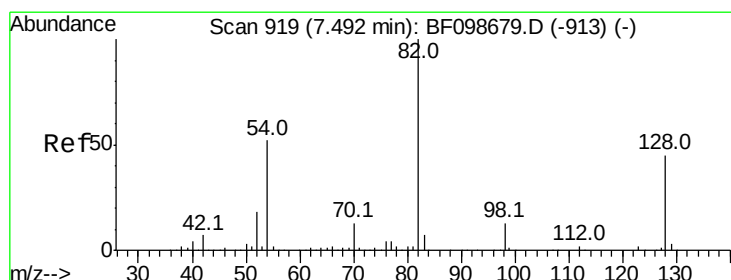
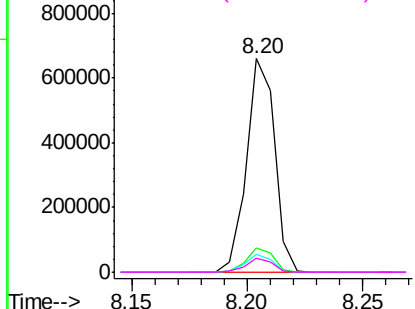
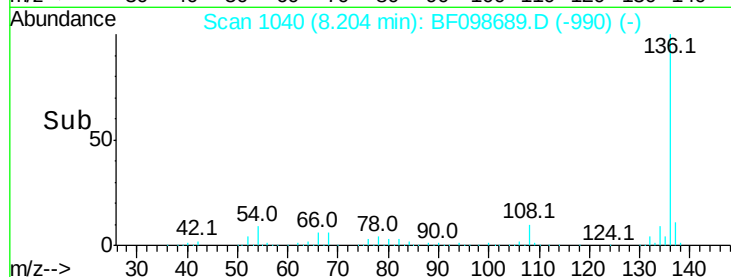
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.9	13.3	
54	8.7	6.6	9.8	
68	6.3	5.0	7.4	

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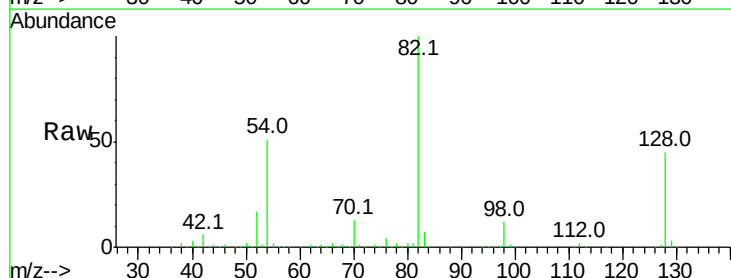


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

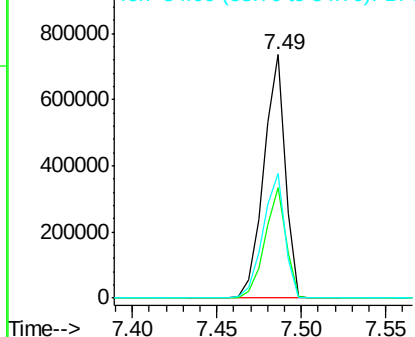
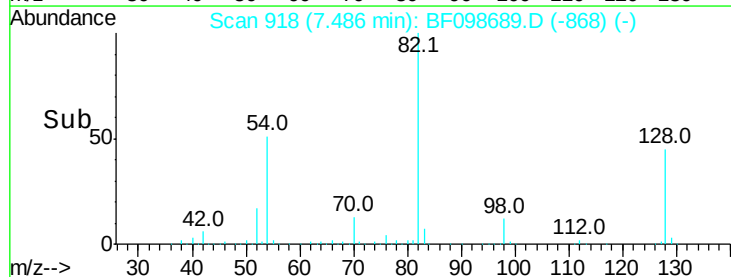


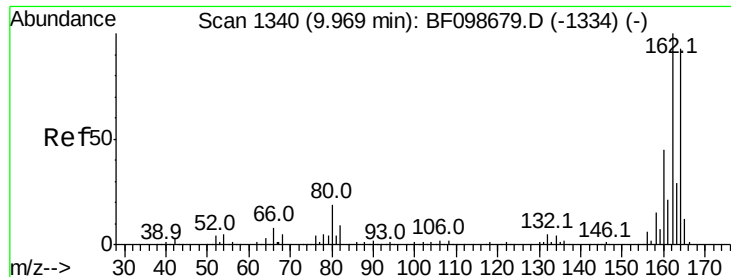
#23
Nitrobenzene-d5
Concen: 77.836 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.01 min
Lab File: BF098689.D
Acq: 22 Sep 2017 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.3	36.1	54.1	
54	51.1	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





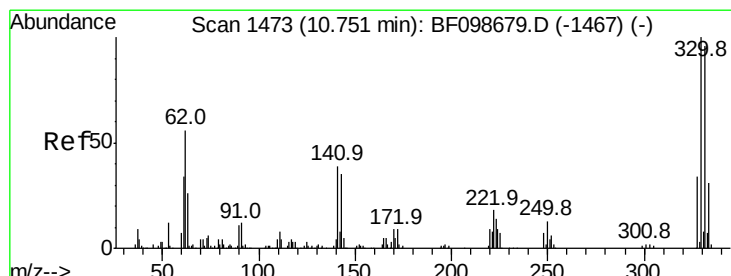
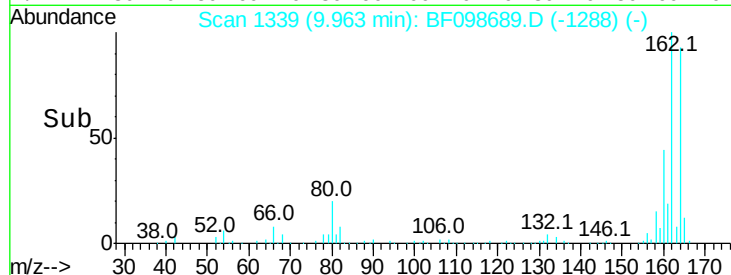
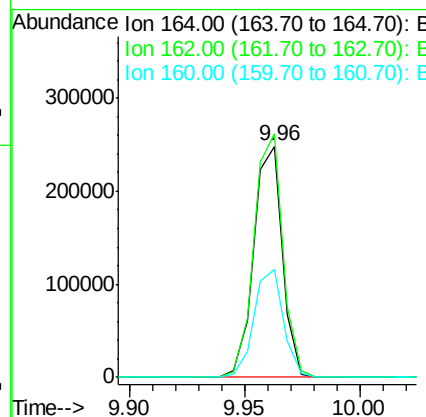
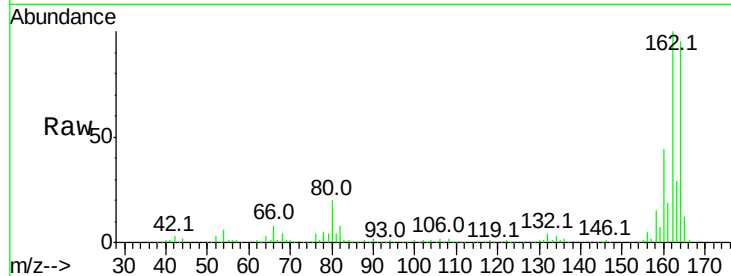
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BF098689.D
Acq: 22 Sep 2017 10:16

Instrument :
BNA_F
ClientSampleId :
OK-03-091917

Tot Ion	Ratio	Resp	Lower	Upper
164	100	215796		
162	105.3	86.1	129.1	
160	46.5	38.3	57.5	

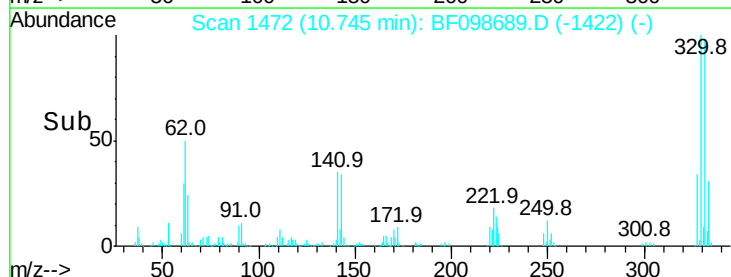
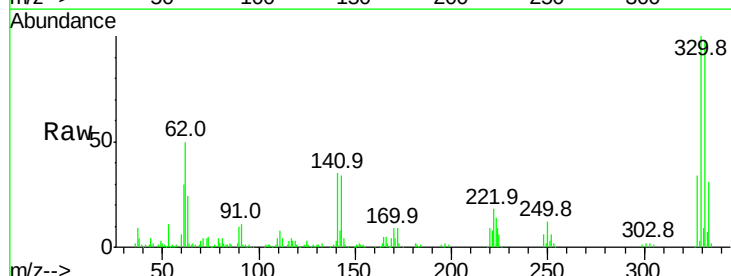
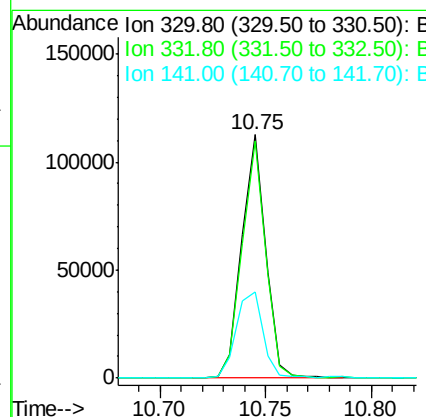
Manual Integrations
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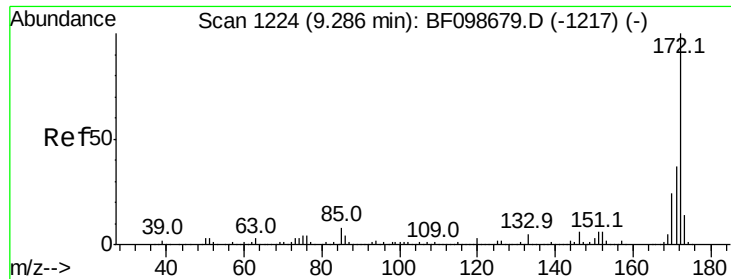
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#41
2,4,6-Tribromophenol
Concen: 44.434 ng
RT: 10.75 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BF098689.D
Acq: 22 Sep 2017 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	87690		
332	97.2	77.0	115.6	
141	41.1	29.9	44.9	





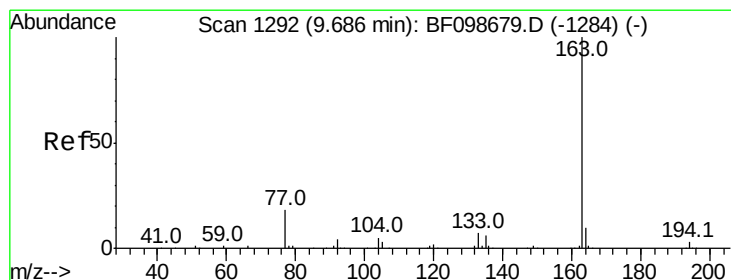
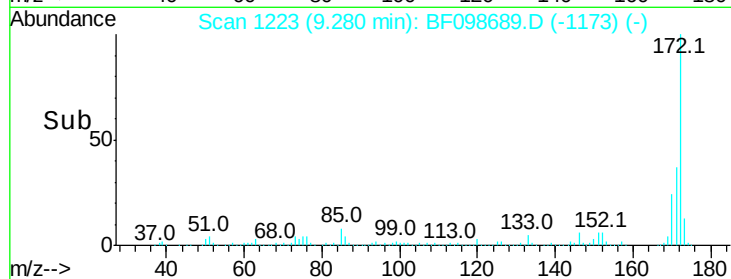
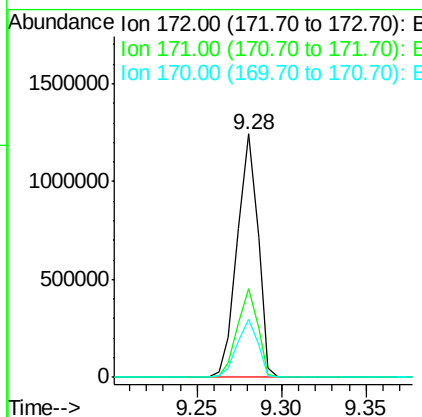
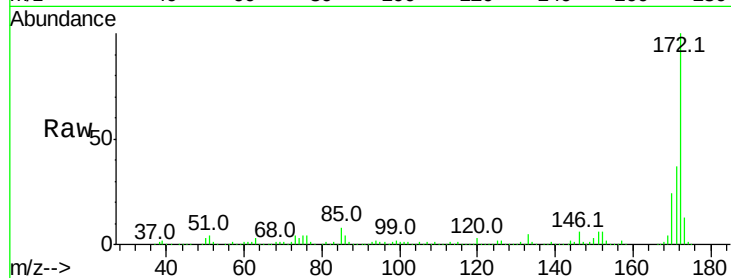
#44
2-Fluorobiphenyl
Concen: 78.139 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF098689.D
Acq: 22 Sep 2017 10:16

Instrument :
BNA_F
ClientSampleId :
OK-03-091917

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.0	19.6	29.4

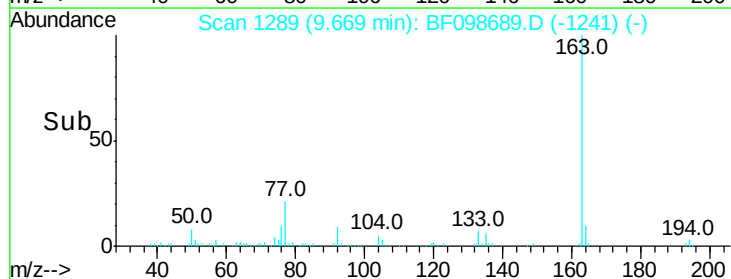
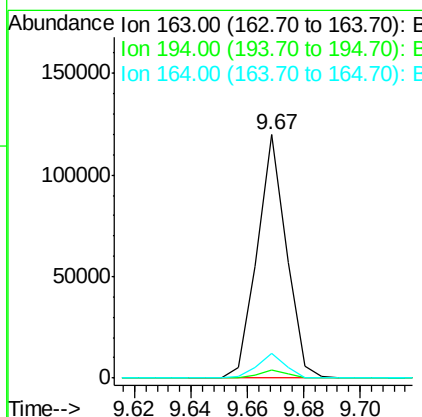
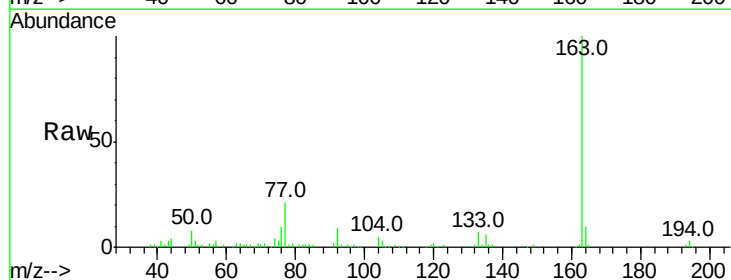
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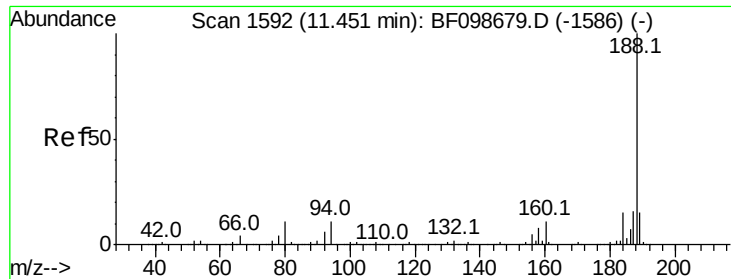
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#49
Dimethylphthalate
Concen: 5.317 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BF098689.D
Acq: 22 Sep 2017 10:16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.0	8.2	12.2





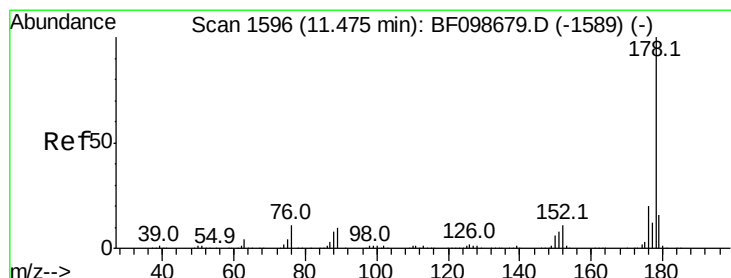
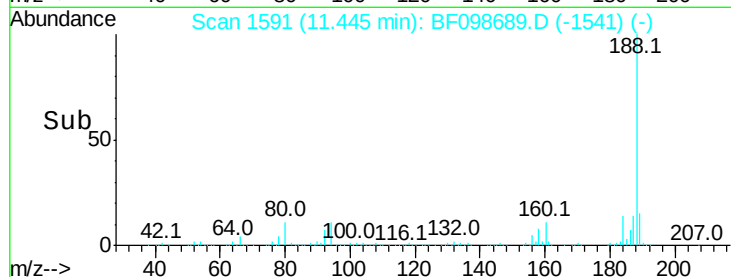
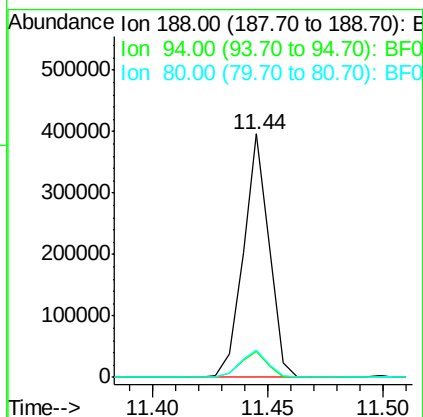
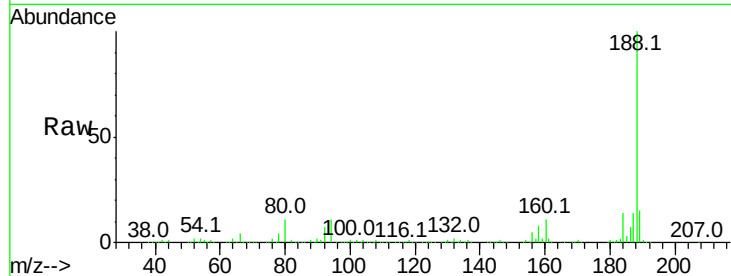
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF098689.D
 Acq: 22 Sep 2017 10:16

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-091917

Tot Ion	Ratio	Resp	Lower	Upper
188	100	305537		
94	10.7		8.5	12.7
80	11.3		9.2	13.8

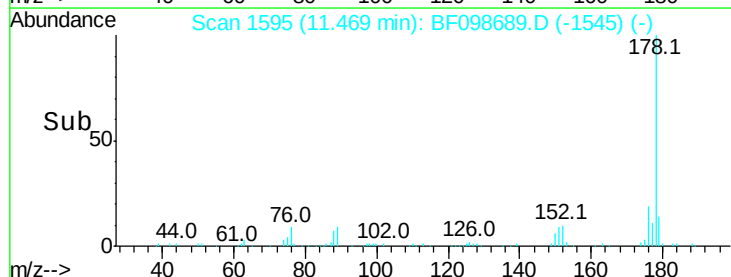
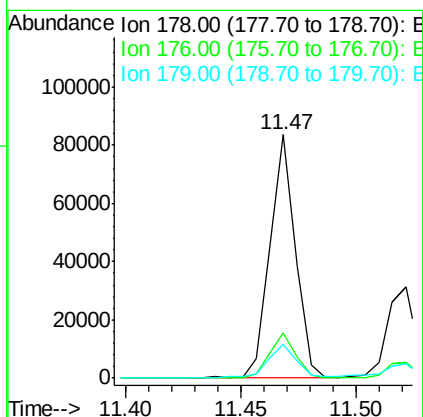
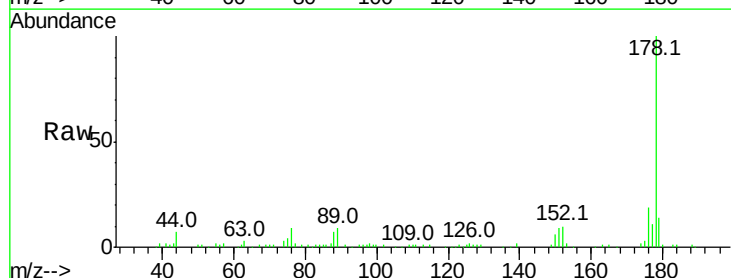
Manual Integrations
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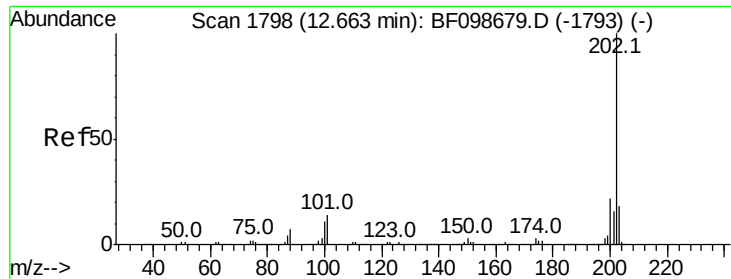
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#70
 Phenanthrene
 Concen: 3.876 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF098689.D
 Acq: 22 Sep 2017 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	64236		
176	18.8		15.8	23.8
179	13.9		13.0	19.6





#74

Fluoranthene

Concen: 10.549 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF098689.D

Acq: 22 Sep 2017 10:16

Instrument :

BNA_F

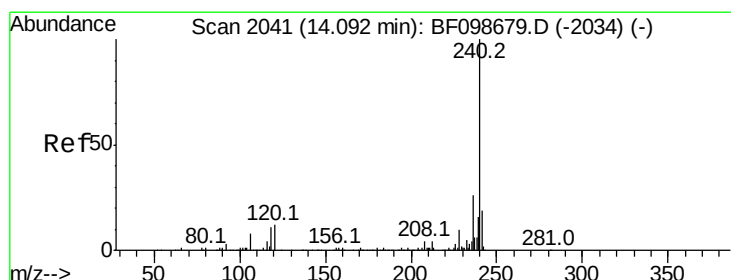
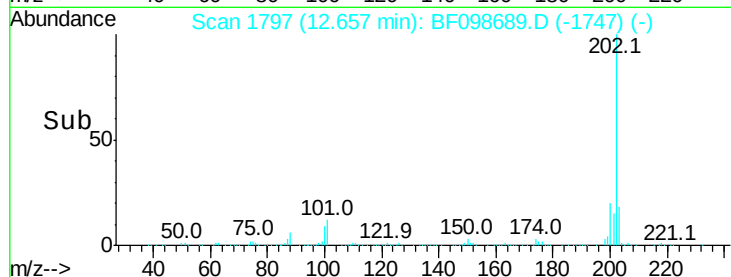
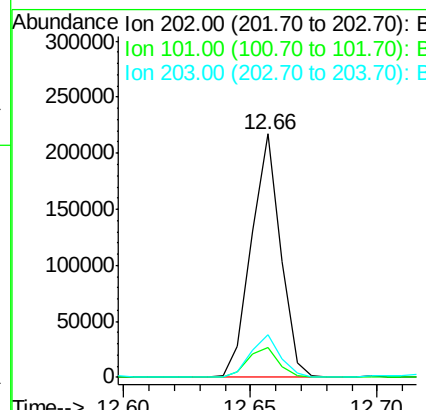
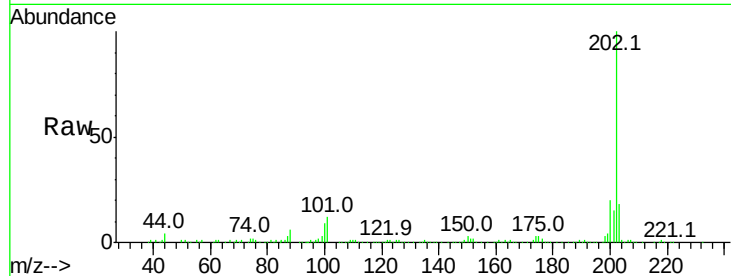
ClientSampleId :

OK-03-091917

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.3	0.0	34.1
203	17.8	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

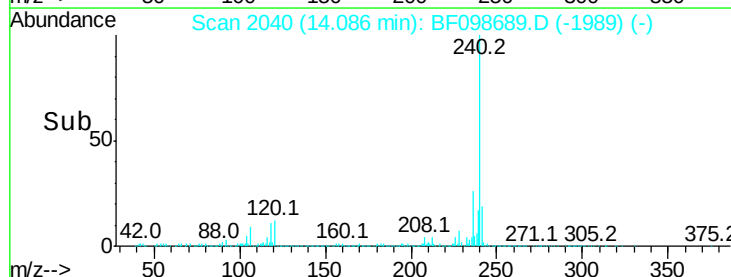
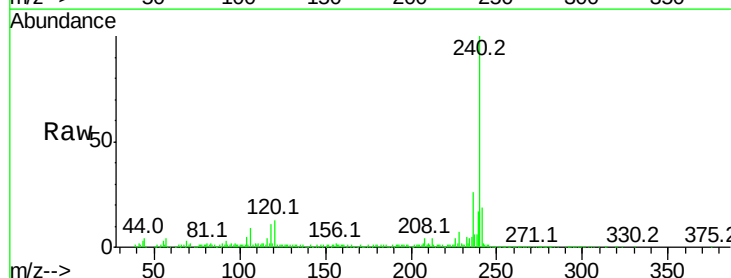
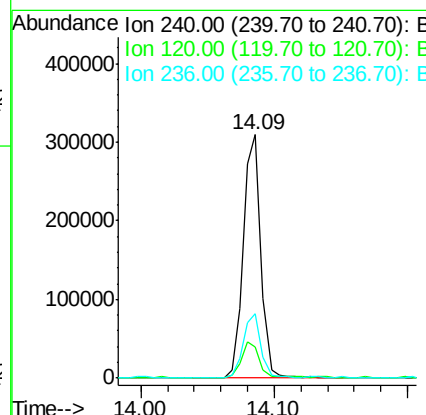
RT: 14.09 min Scan# 2040

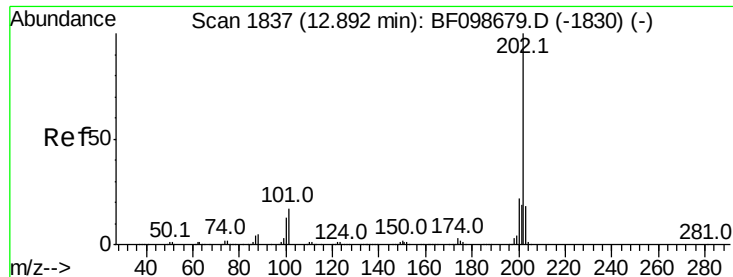
Delta R.T. -0.00 min

Lab File: BF098689.D

Acq: 22 Sep 2017 10:16

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.7	9.5	14.3
236	26.3	20.7	31.1





#77

Pvrene

Concen: 8.804 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098689.D

Acq: 22 Sep 2017 10:16

Instrument :

BNA_F

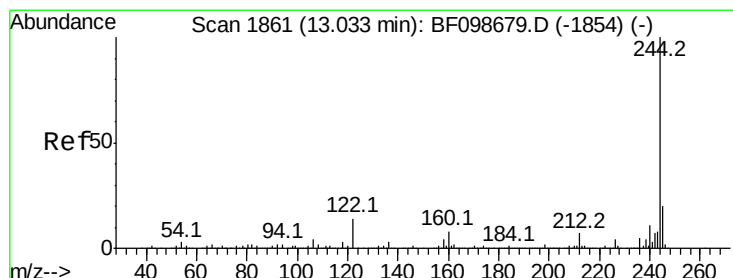
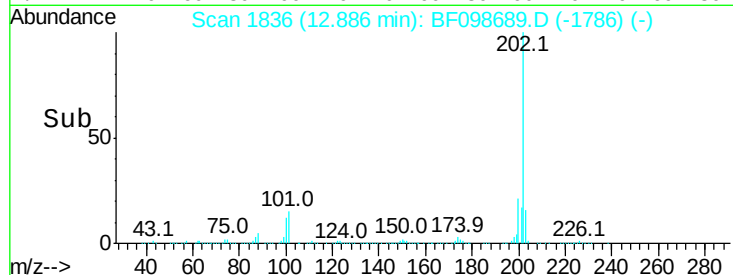
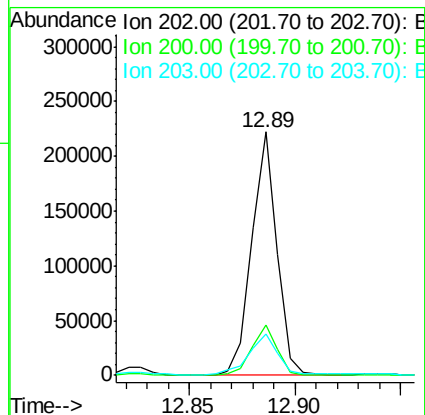
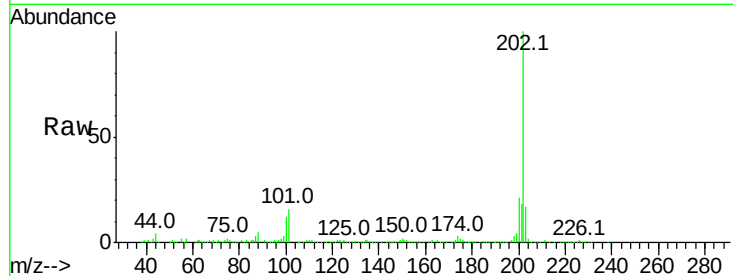
ClientSampleId :

OK-03-091917

Tot Ion:202	Resp:	184849
Ion Ratio	Lower	Upper
202 100		
200 20.8	17.4	26.2
203 17.1	14.3	21.5

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#78

Terphenyl-d14

Concen: 56.110 ng

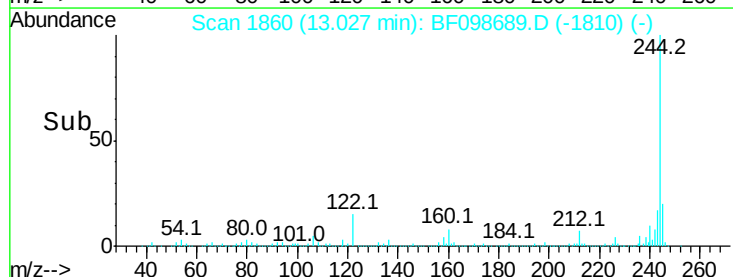
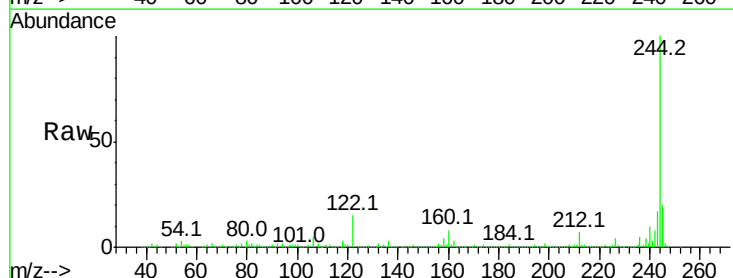
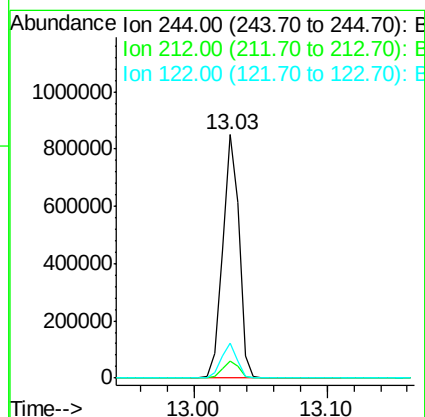
RT: 13.03 min Scan# 1860

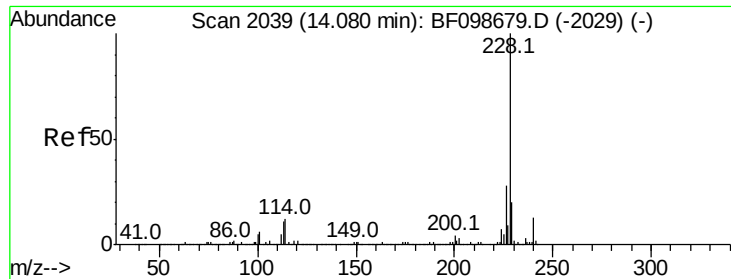
Delta R.T. -0.01 min

Lab File: BF098689.D

Acq: 22 Sep 2017 10:16

Tgt Ion:244	Resp:	739033
Ion Ratio	Lower	Upper
244 100		
212 7.0	5.4	8.0
122 14.5	11.0	16.4





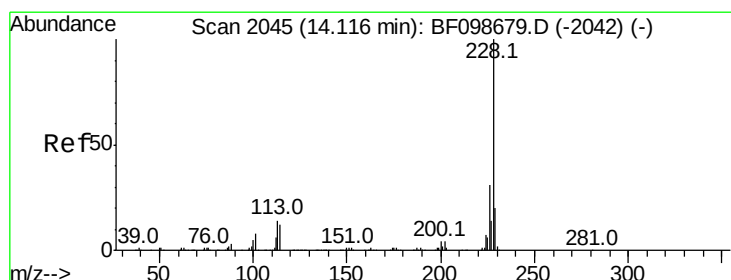
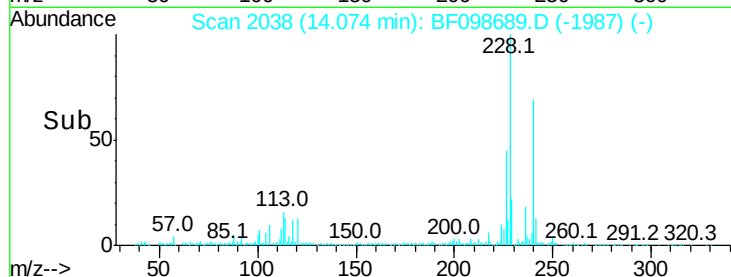
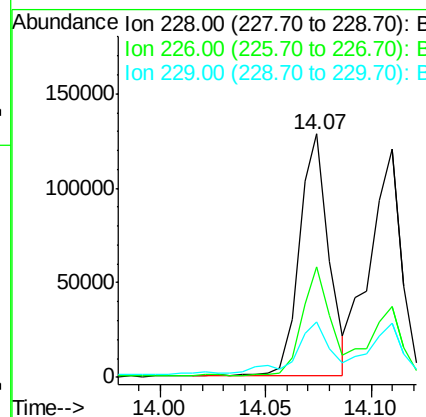
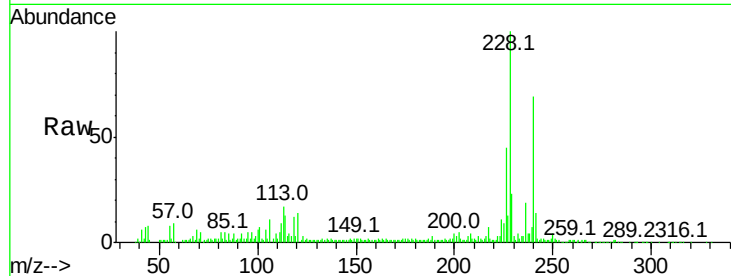
#80
Benzo(a)anthracene
Concen: 7.259 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF098689.D
Acq: 22 Sep 2017 10:16

Instrument :
BNA_F
ClientSampleId :
OK-03-091917

Tot Ion	Ratio	Lower	Upper
228	100		
226	45.2	22.6	33.8#
229	22.6	15.8	23.6

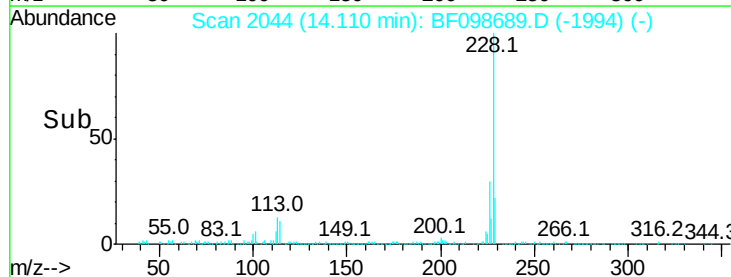
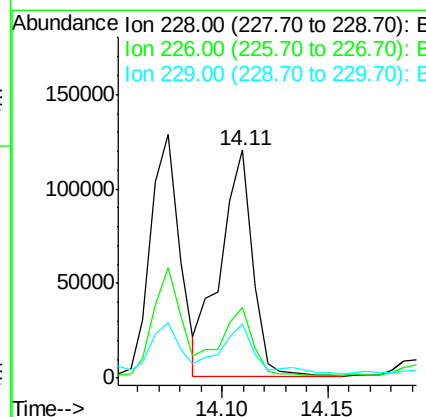
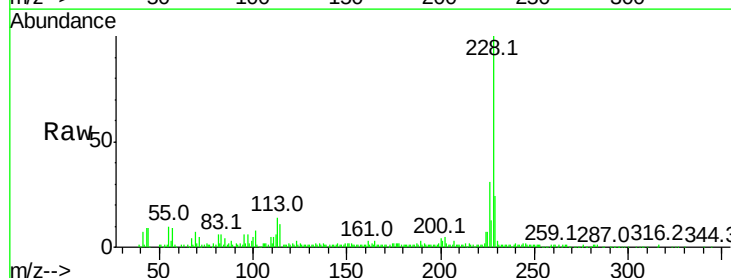
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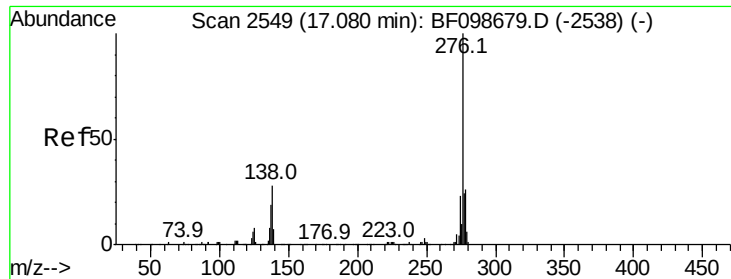
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#82
Chrysene
Concen: 7.727 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF098689.D
Acq: 22 Sep 2017 10:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	24.0	16.2	24.4





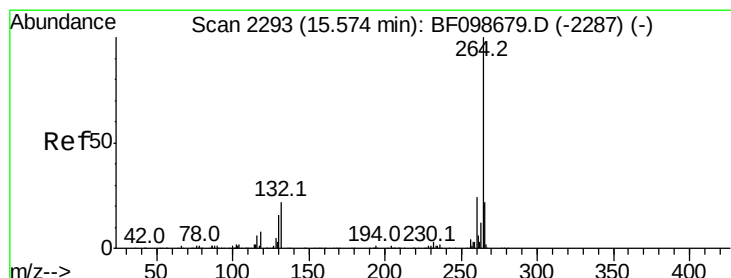
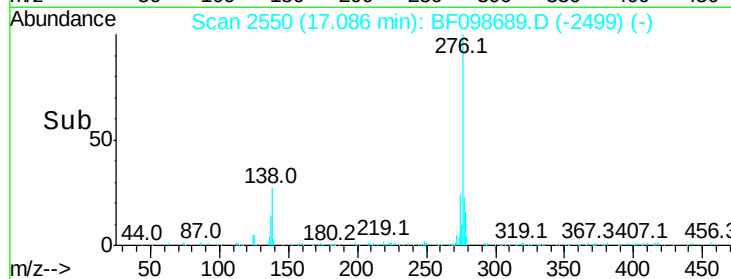
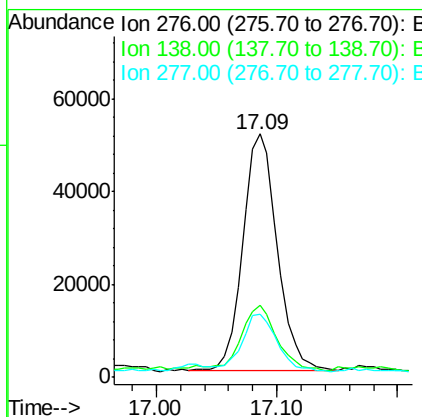
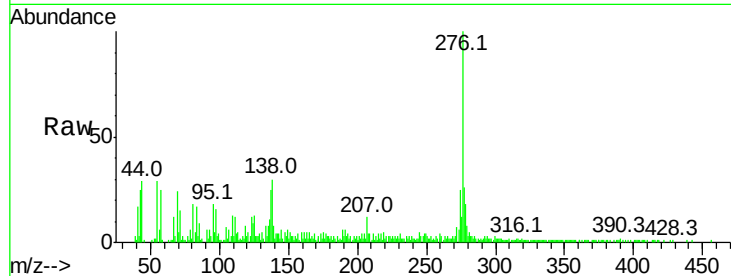
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.940 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.00 min
Lab File: BF098689.D
Acq: 22 Sep 2017 10:16

Instrument :
BNA_F
ClientSampleId :
OK-03-091917

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.5	25.0	37.6
277	24.2	20.1	30.1

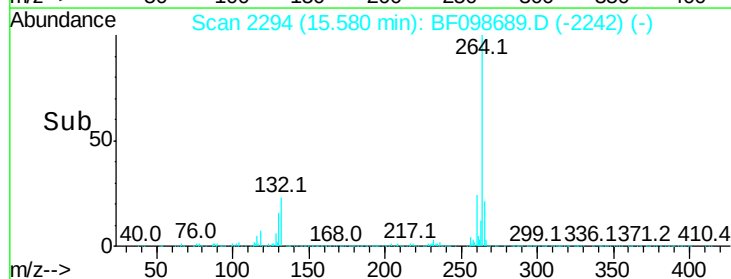
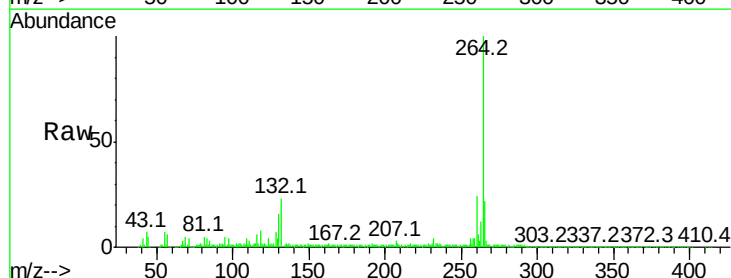
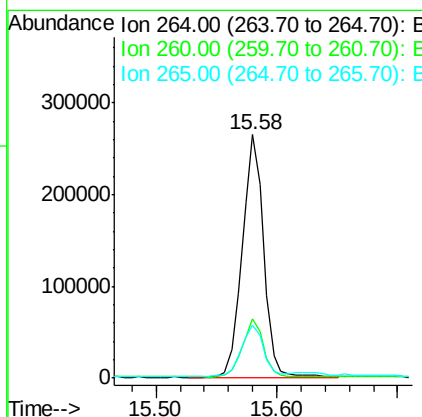
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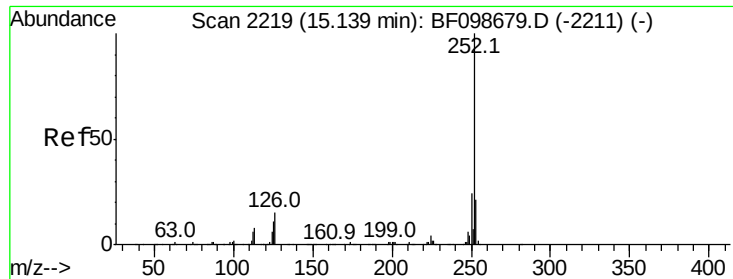
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098689.D
Acq: 22 Sep 2017 10:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 11.961 ng m

RT: 15.13 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BF098689.D

Acq: 22 Sep 2017 10:16

Instrument :

BNA_F

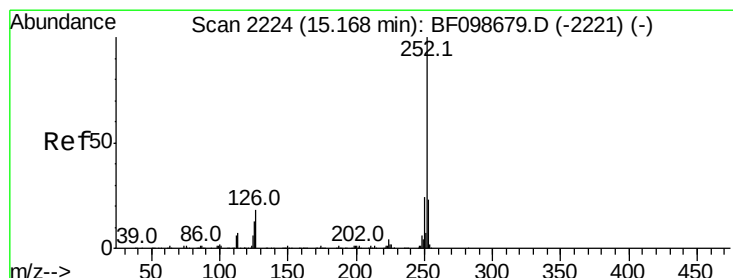
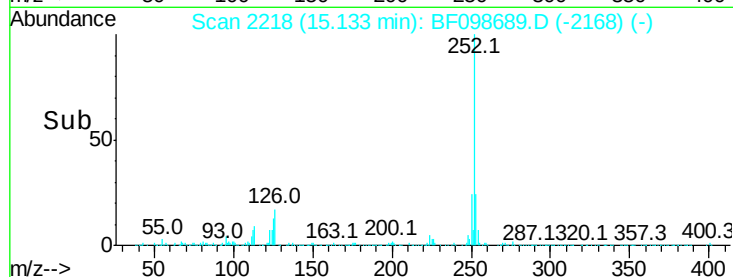
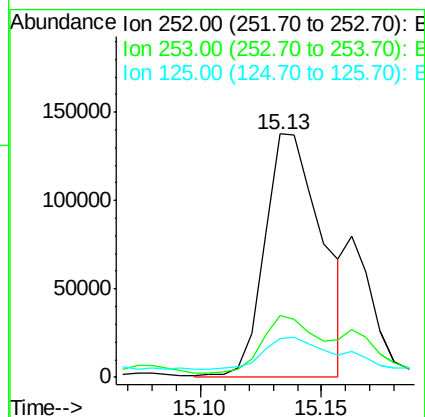
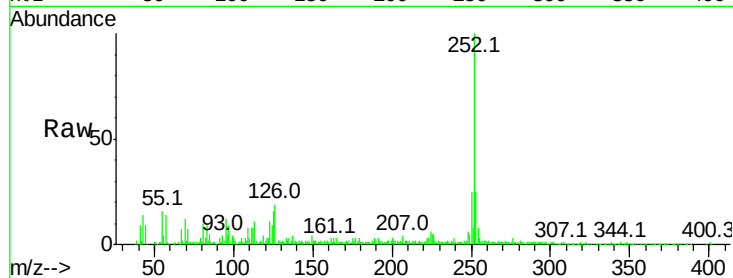
ClientSampleId :

OK-03-091917

Tot Ion:	252	Resp:	225835
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.0	25.6
125	15.7	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 3.549 ng m

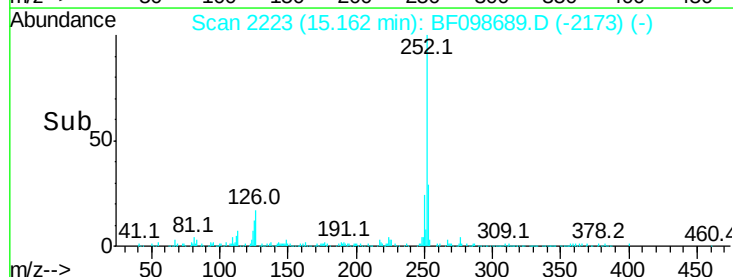
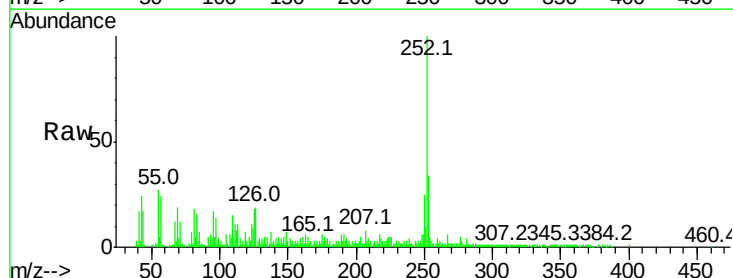
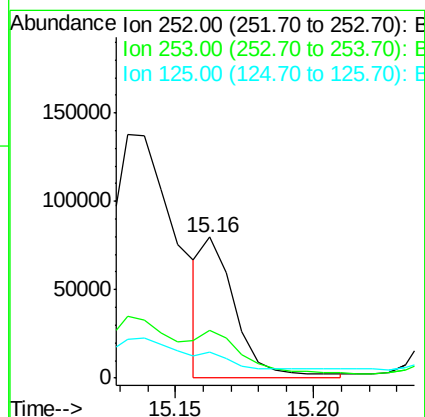
RT: 15.16 min Scan# 2223

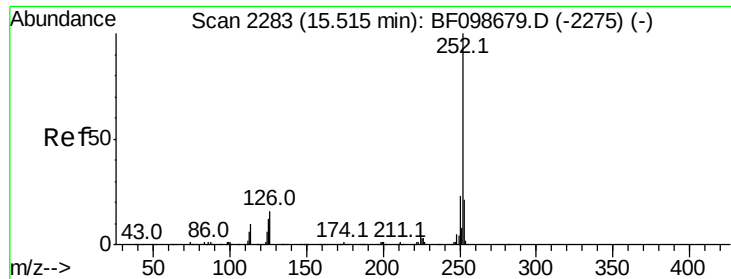
Delta R.T. -0.01 min

Lab File: BF098689.D

Acq: 22 Sep 2017 10:16

Tgt Ion:	252	Resp:	66969
Ion Ratio	Lower	Upper	
252	100		
253	33.7	17.9	26.9#
125	18.2	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 8.855 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BF098689.D

Acq: 22 Sep 2017 10:16

Instrument :

BNA_F

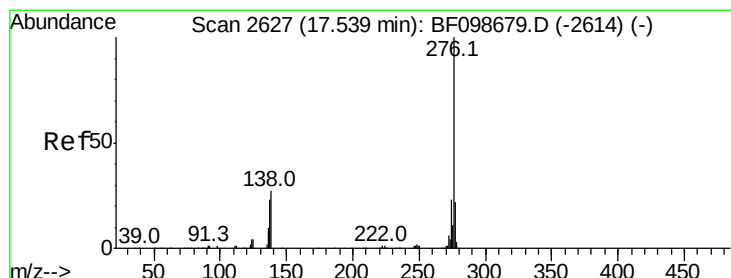
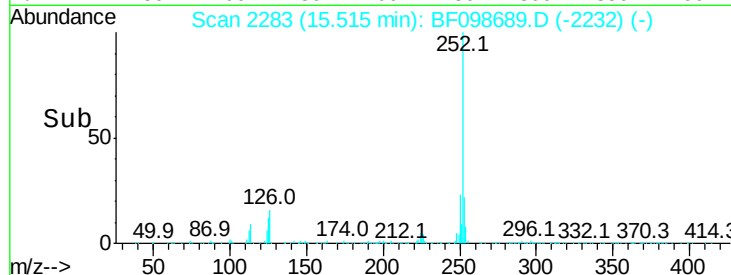
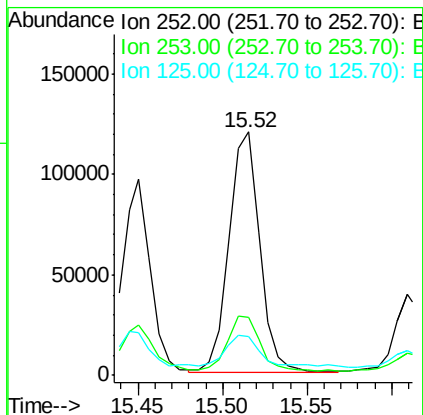
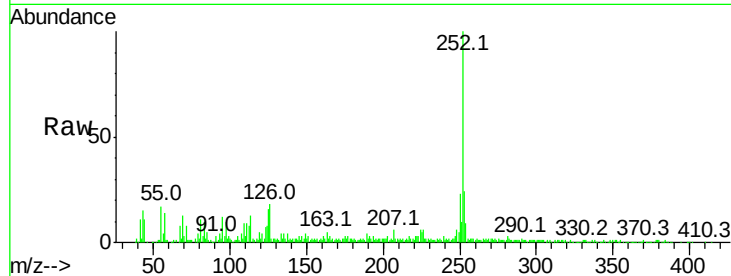
ClientSampleId :

OK-03-091917

Tot Ion:	252	Resp:	151837
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.1	25.7
125	16.0	9.8	14.6#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 6.695 ng

RT: 17.54 min Scan# 2628

Delta R.T. -0.00 min

Lab File: BF098689.D

Acq: 22 Sep 2017 10:16

Tgt Ion:	276	Resp:	97590
Ion Ratio	Lower	Upper	
276	100		
277	24.0	17.9	26.9
138	27.9	21.8	32.8

