

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
 Data File : BF098605.D
 Acq On : 18 Sep 2017 16:40
 Operator : SJ/JU
 Sample : I5250-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-091417

Manual Integrations
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 9/19/2017 5:31:43 PM

Quant Time: Sep 19 06:27:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	130713	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	529098	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	229569	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	367597	20.00	ng	0.00
75) Chrysene-d12	13.79	240	228647	20.00	ng	0.00
86) Perylene-d12	15.19	264	200550	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	498440	56.38	ng	0.00
7) Phenol-d6	6.29	99	618956	55.14	ng	0.00
23) Nitrobenzene-d5	7.20	82	375246	39.54	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	102297	66.77	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	645614	47.67	ng	0.00
78) Terphenyl-d14	12.73	244	419630	39.61	ng	0.00
Target Compounds						
48) Acenaphthylene	9.53	152	62541	2.866	ng	96
49) Dimethylphthalate	9.39	163	74788	4.209	ng	100
57) Fluorene	10.22	166	34333	2.270	ng	98
70) Phenanthrene	11.17	178	428501	21.989	ng	98
71) Anthracene	11.22	178	99236	4.960	ng	99
74) Fluoranthene	12.36	202	621368	31.851	ng	95
77) Pyrene	12.59	202	553620	30.693	ng	100
80) Benzo(a)anthracene	13.77	228	240280	17.924	ng	97
82) Chrysene	13.81	228	219474	16.197	ng	97
85) Indeno(1,2,3-cd)pyrene	16.52	276	86936	9.145	ng	# 86
87) Benzo(b)fluoranthene	14.79	252	262392m	20.808	ng	
88) Benzo(k)fluoranthene	14.82	252	82051m	6.970	ng	
89) Benzo(a)pyrene	15.13	252	174780	15.558	ng	96
90) Dibenzo(a,h)anthracene	16.52	278	21933	2.684	ng	# 73
91) Benzo(a,h,i)perylene	16.92	276	79774	9.705	ng	93

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

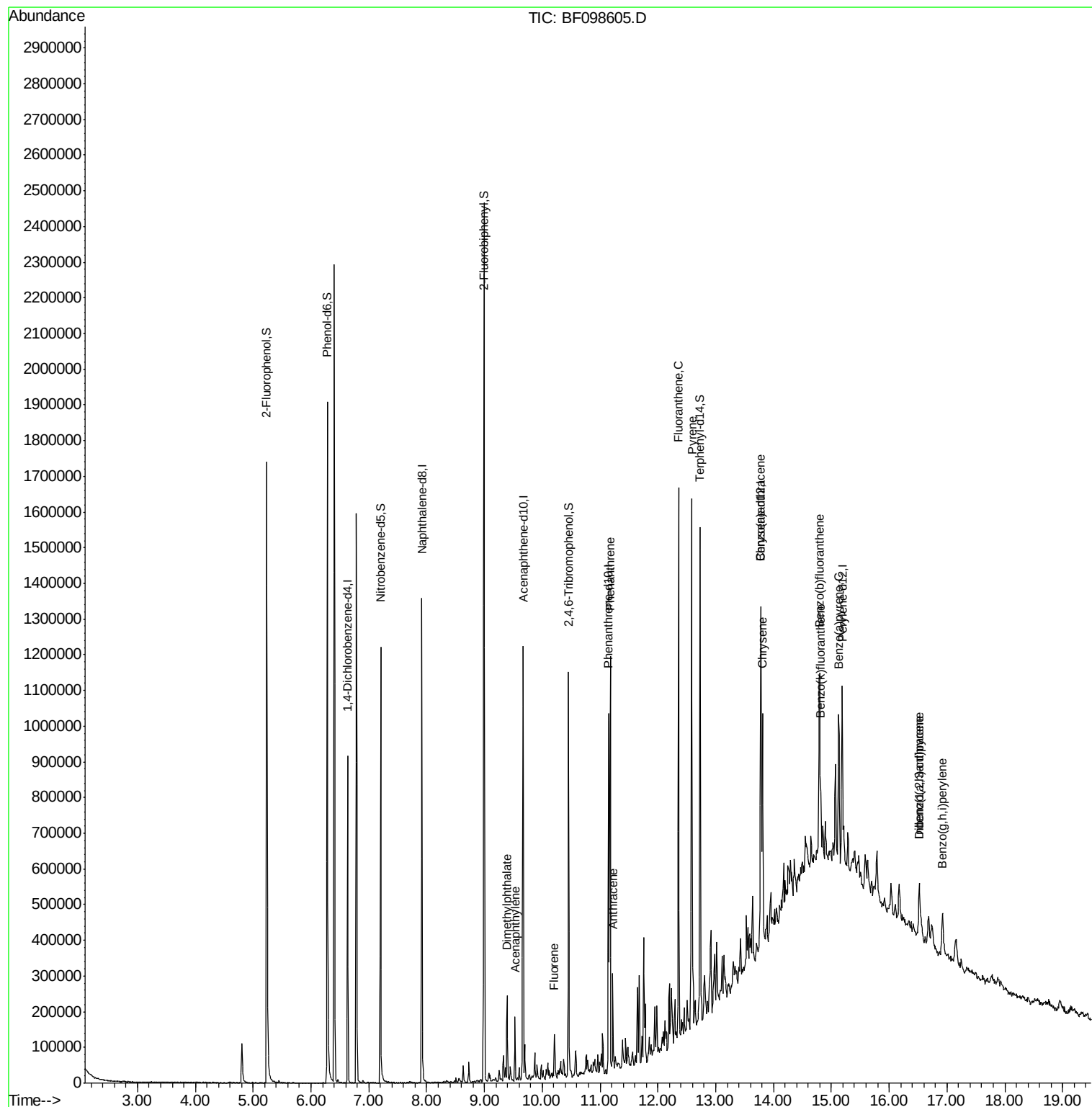
Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
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Sample : I5250-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

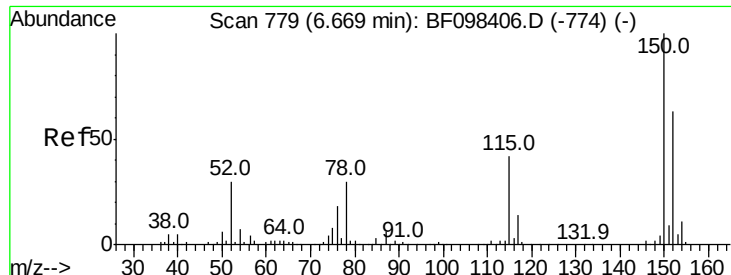
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
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#1

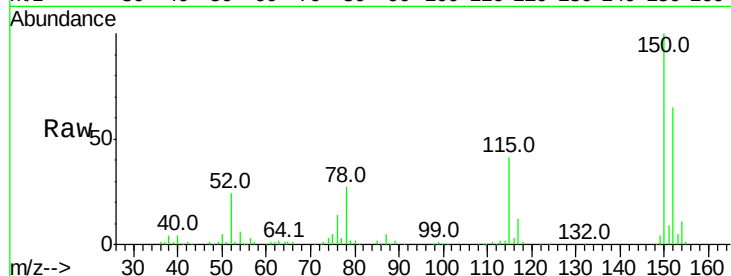
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF098605.D
Acq: 18 Sep 2017 16:40

Instrument :
BNA_F
ClientSampleId :
OK-01-091417

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	126.2	189.2
115	63.4	52.2	78.2

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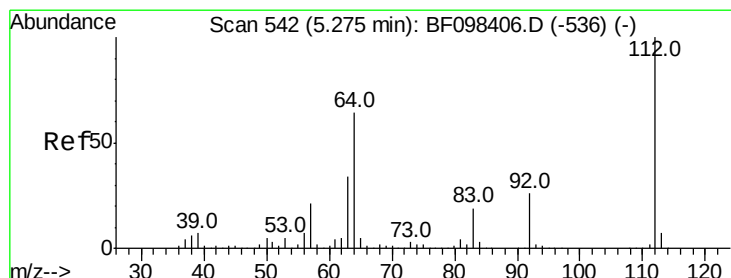
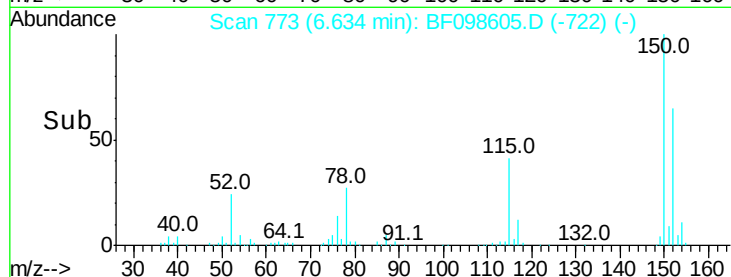
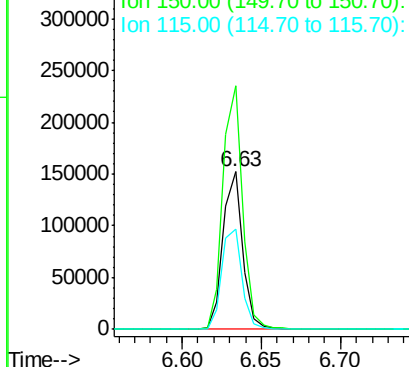


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

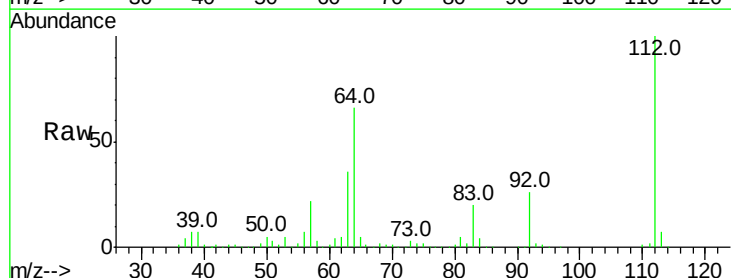
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 56.380 ng
RT: 5.23 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF098605.D
Acq: 18 Sep 2017 16:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	46.0	69.0
63	36.4	23.4	35.0

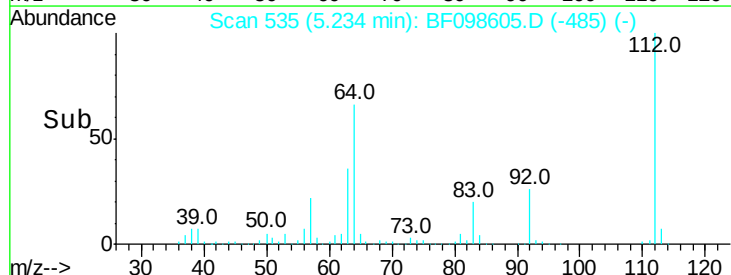
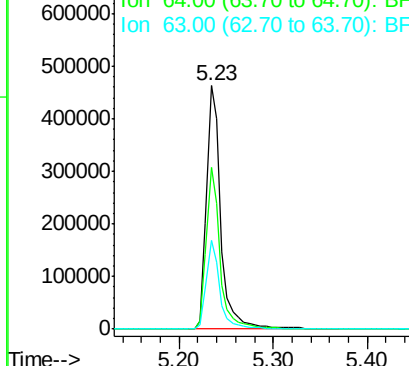


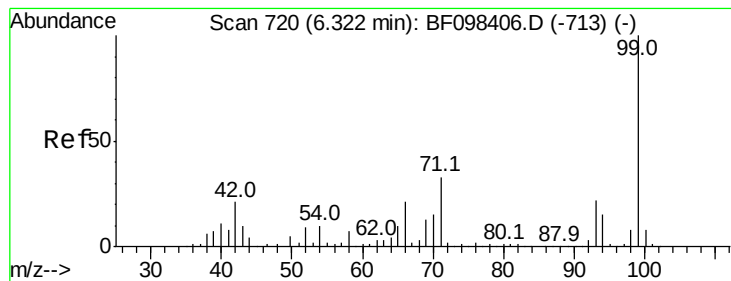
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 55.142 ng

RT: 6.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF098605.D

Acq: 18 Sep 2017 16:40

Instrument :

BNA_F

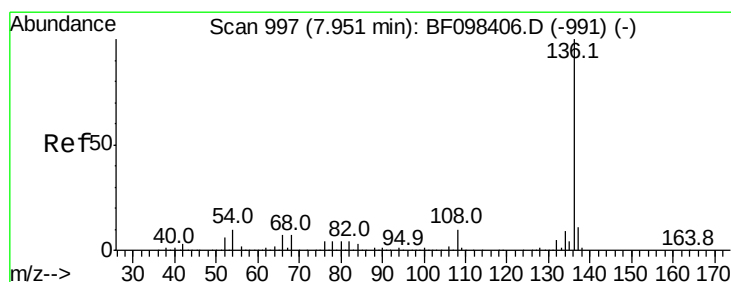
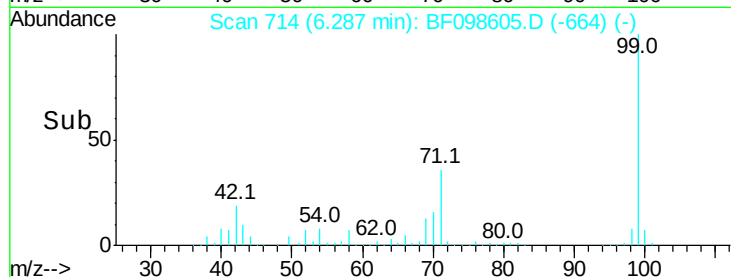
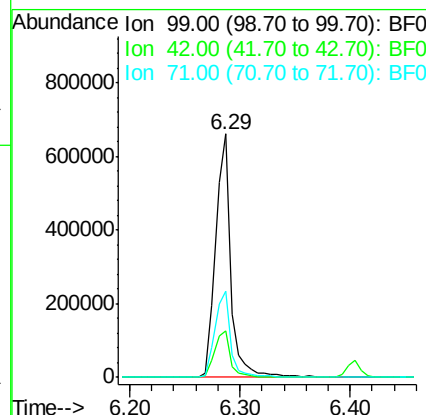
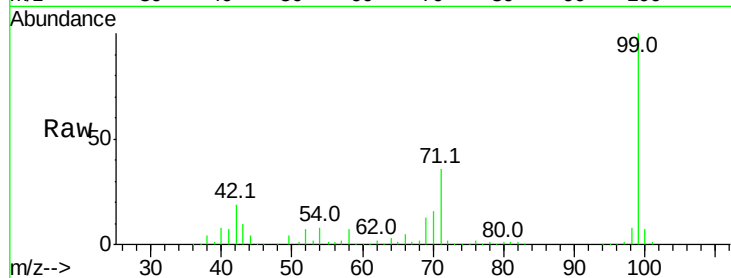
ClientSampleId :

OK-01-091417

Tot Ion	Ratio	Lower	Upper
99	100		
42	19.1	13.5	20.3
71	35.6	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

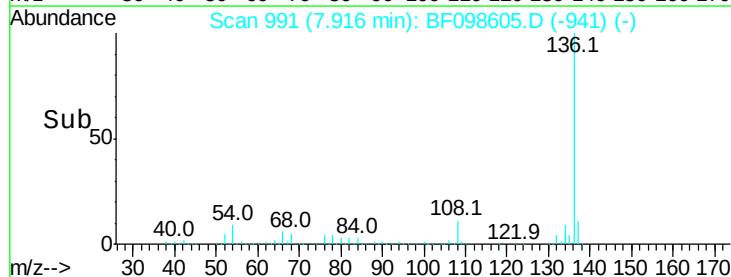
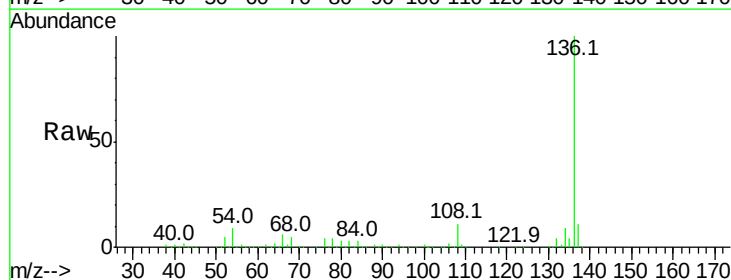
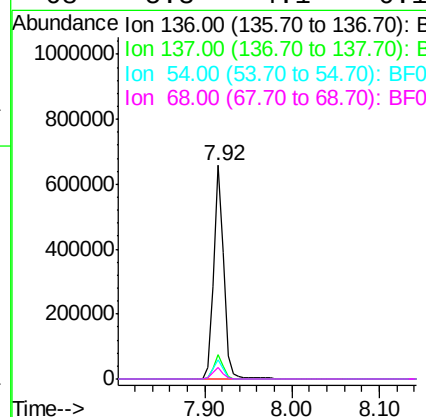
RT: 7.92 min Scan# 991

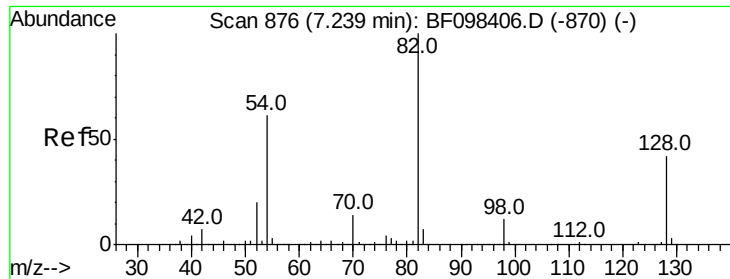
Delta R.T. -0.01 min

Lab File: BF098605.D

Acq: 18 Sep 2017 16:40

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	9.2	4.9	7.3
68	5.3	4.1	6.1





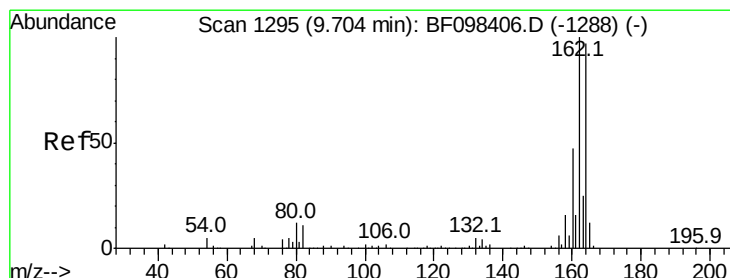
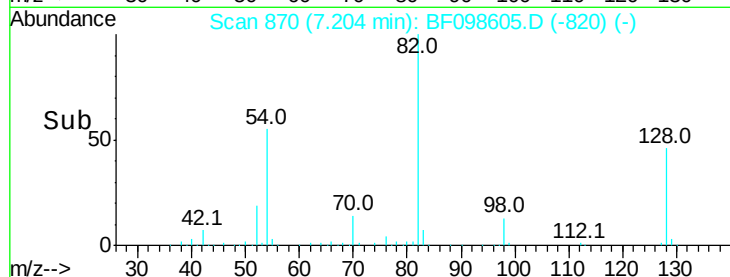
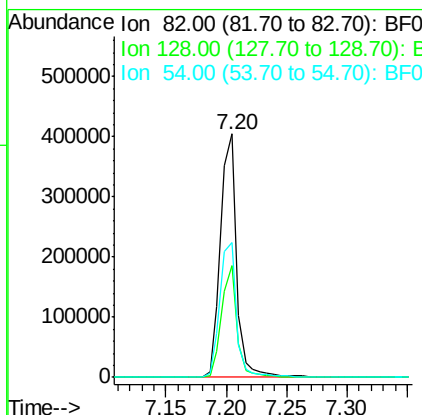
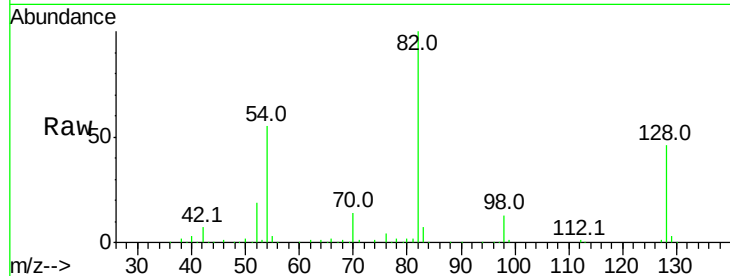
#23
Nitrobenzene-d5
Concen: 39.539 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF098605.D
Acq: 18 Sep 2017 16:40

Instrument :
BNA_F
ClientSampleId :
OK-01-091417

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.1	34.0	51.0	
54	55.1	42.2	63.2	

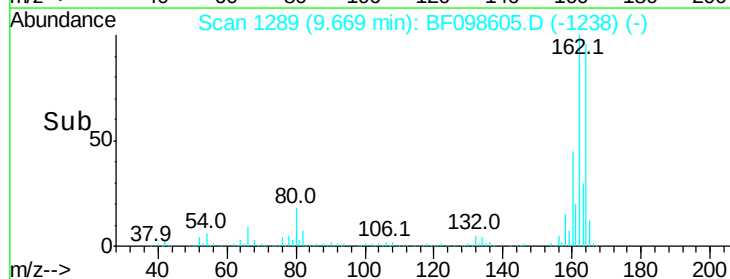
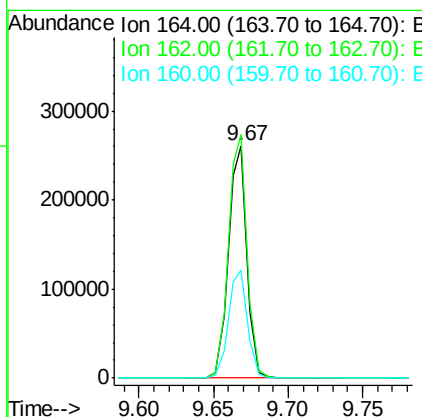
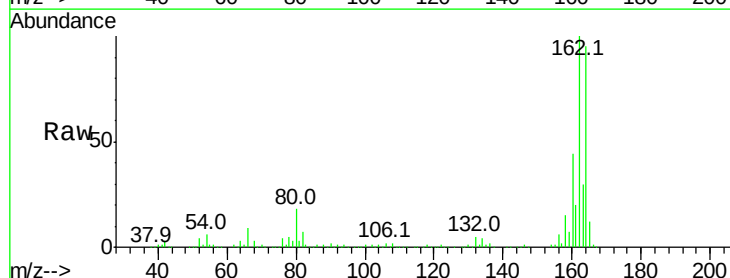
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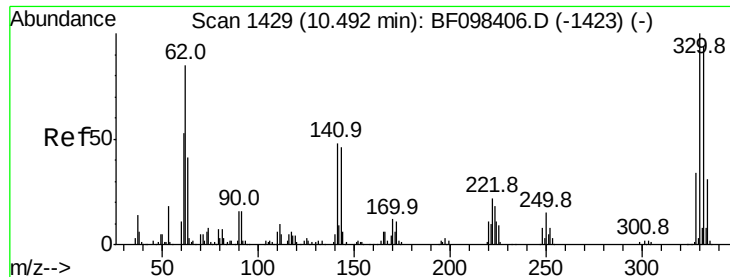
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BF098605.D
Acq: 18 Sep 2017 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.8	82.6	123.8	
160	46.6	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 66.765 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BF098605.D

Acq: 18 Sep 2017 16:40

Instrument :

BNA_F

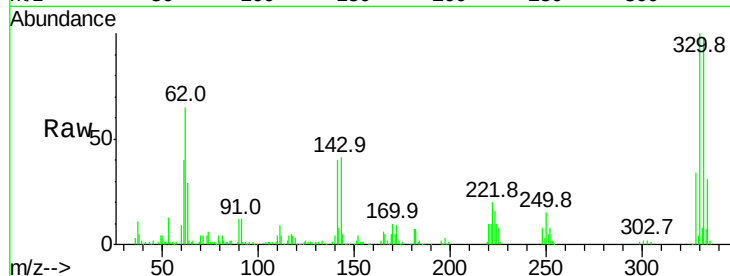
ClientSampleId :

OK-01-091417

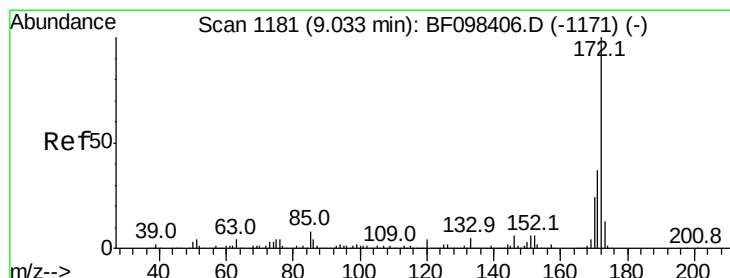
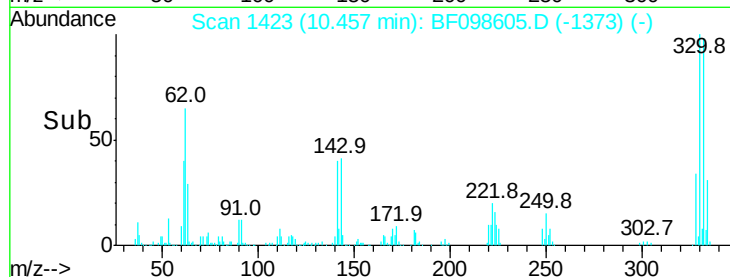
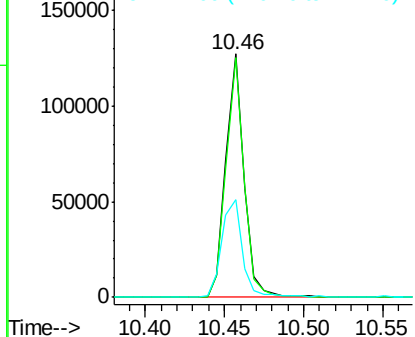
Tot Ion:	330	Resp:	102297
Ion Ratio	Lower	Upper	
330	100		
332	97.2	76.6	115.0
141	46.6	31.4	47.2

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



#44

2-Fluorobiphenyl

Concen: 47.666 ng

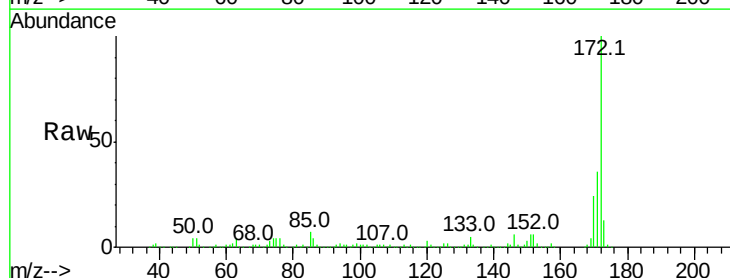
RT: 8.99 min Scan# 1174

Delta R.T. -0.01 min

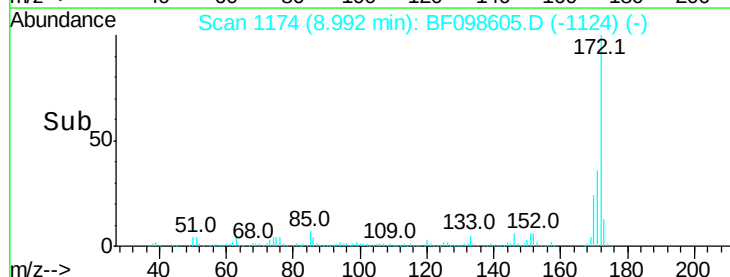
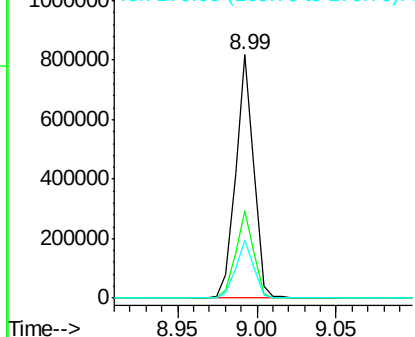
Lab File: BF098605.D

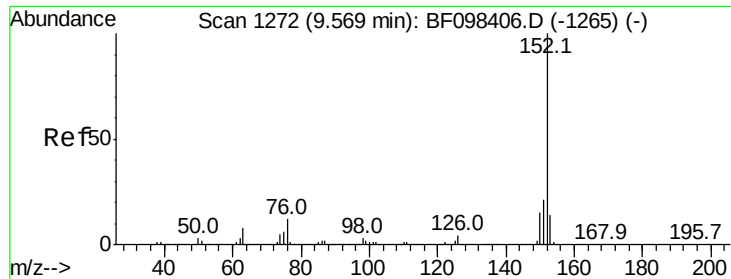
Acq: 18 Sep 2017 16:40

Tgt Ion:	172	Resp:	645614
Ion Ratio	Lower	Upper	
172	100		
171	36.2	29.6	44.4
170	23.8	19.8	29.8



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





#48

Acenaphthylene

Concen: 2.866 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BF098605.D

Acq: 18 Sep 2017 16:40

Instrument :

BNA_F

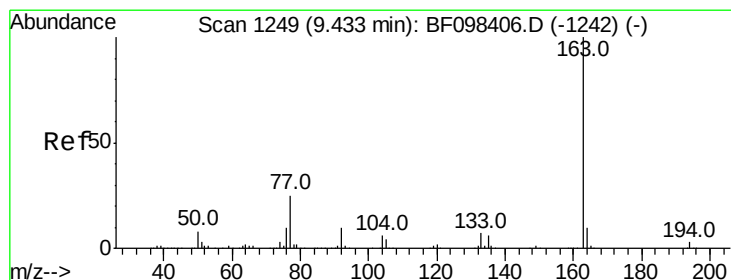
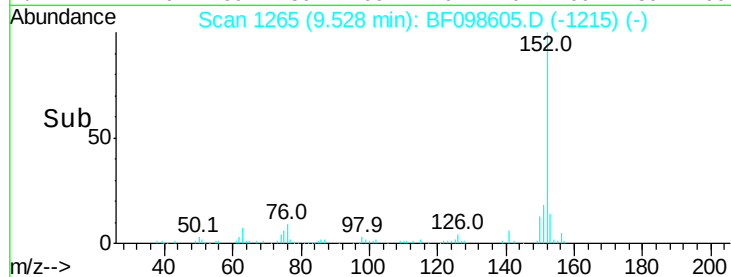
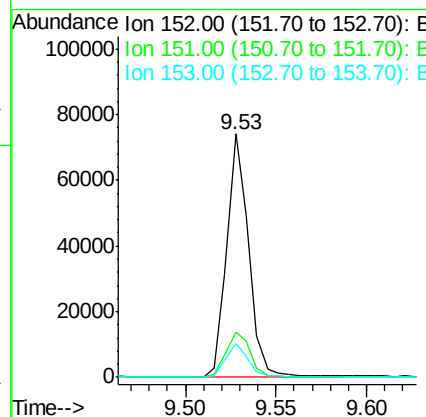
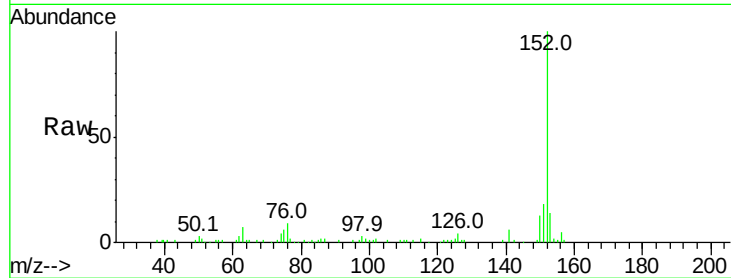
ClientSampleId :

OK-01-091417

Tot Ion:	152	Resp:	62541
Ion Ratio	Lower	Upper	
152	100		
151	18.3	16.8	25.2
153	13.7	10.8	16.2

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#49

Dimethylphthalate

Concen: 4.209 ng

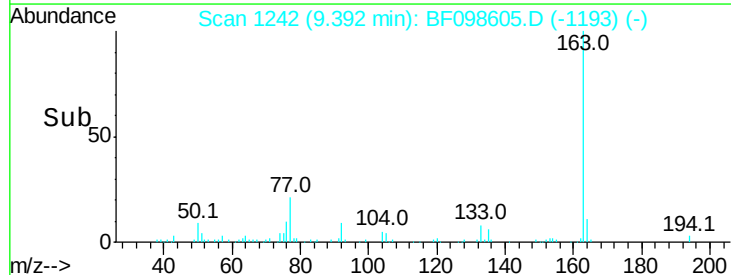
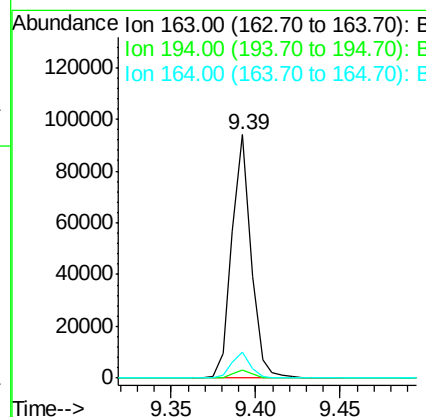
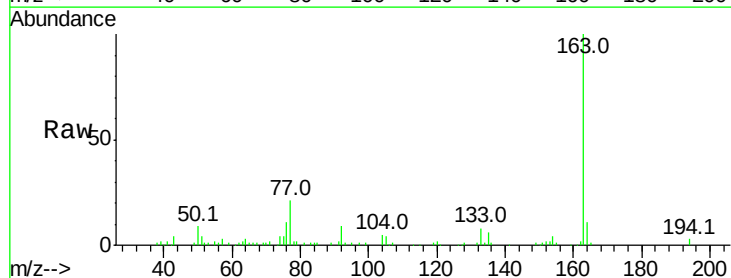
RT: 9.39 min Scan# 1242

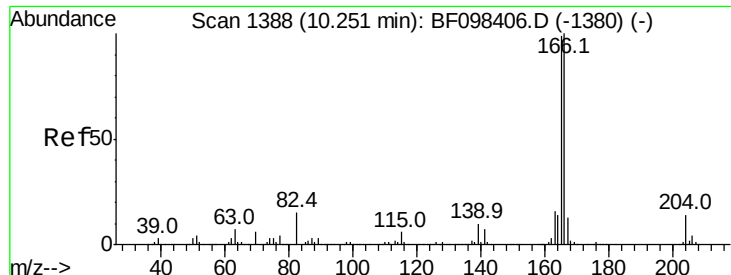
Delta R.T. -0.01 min

Lab File: BF098605.D

Acq: 18 Sep 2017 16:40

Tgt Ion:	163	Resp:	74788
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.6	4.0
164	10.6	8.4	12.6





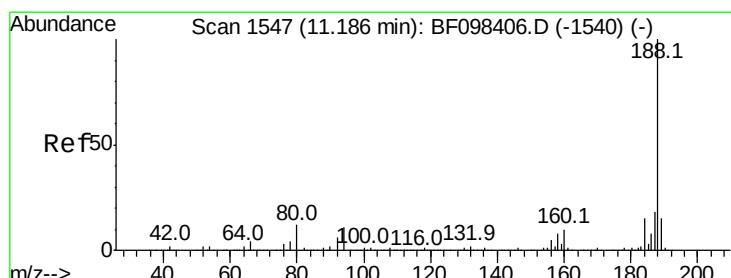
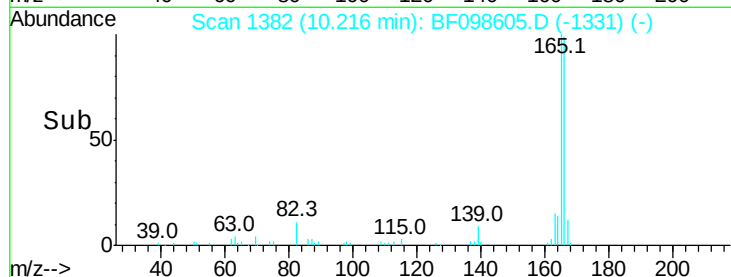
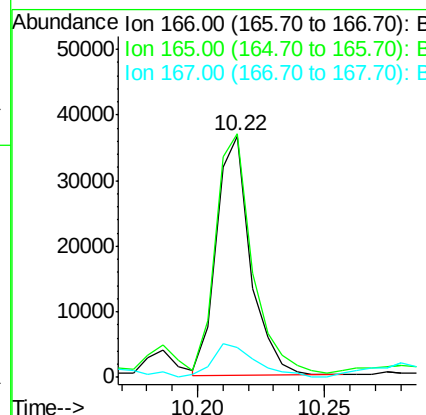
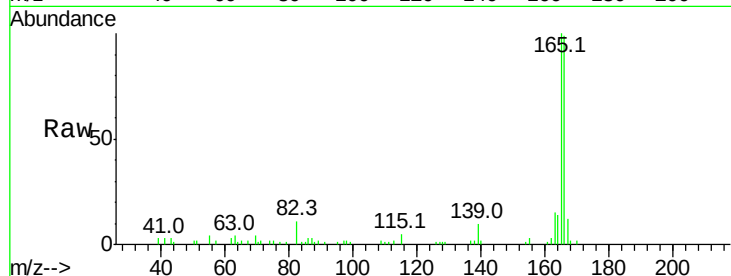
#57
Fluorene
 Concen: 2.270 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: BF098605.D
 Acq: 18 Sep 2017 16:40

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-091417

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.7	78.8	118.2
167	12.6	10.6	16.0

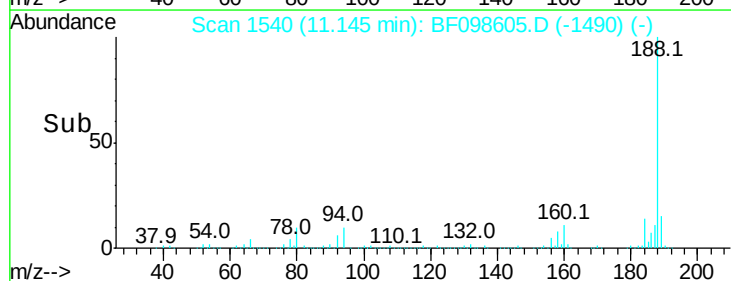
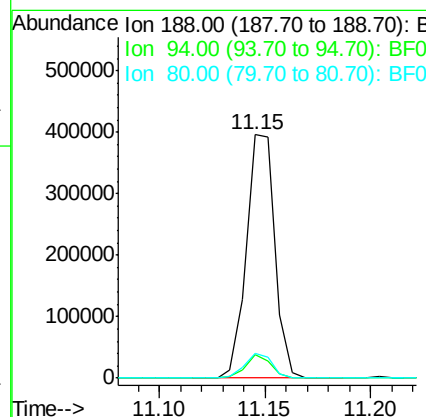
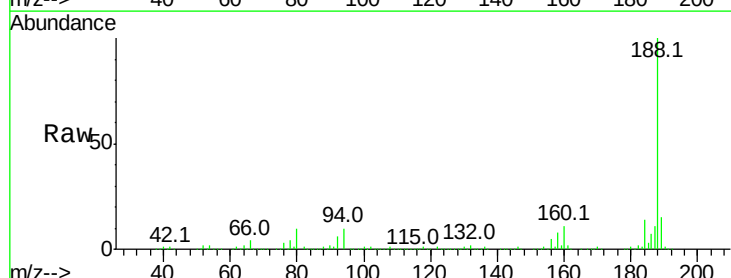
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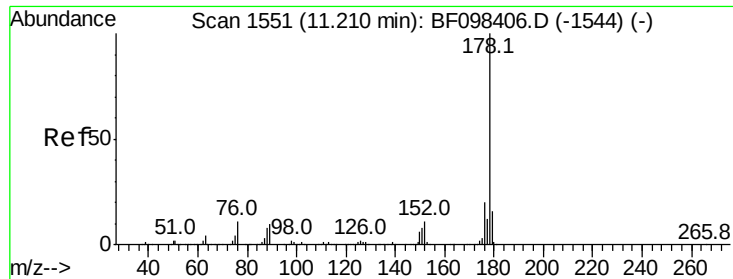
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.15 min Scan# 1540
 Delta R.T. -0.01 min
 Lab File: BF098605.D
 Acq: 18 Sep 2017 16:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	9.4	14.2
80	10.4	10.2	15.2





#70

Phenanthrene

Concen: 21.989 ng

RT: 11.17 min Scan# 1545

Delta R.T. -0.00 min

Lab File: BF098605.D

Acq: 18 Sep 2017 16:40

Instrument :

BNA_F

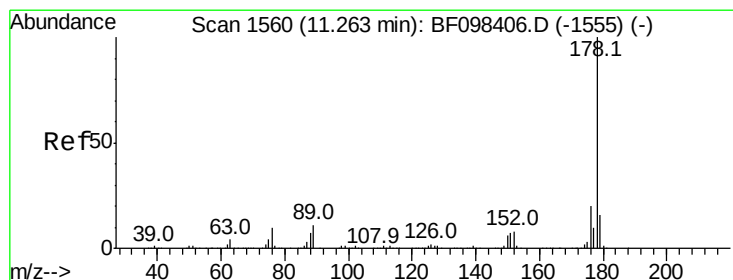
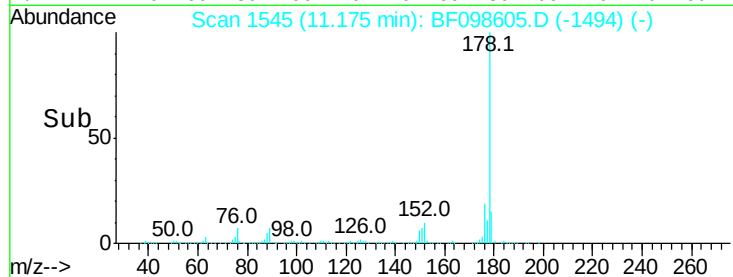
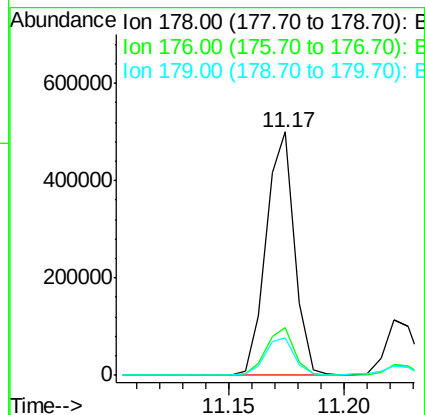
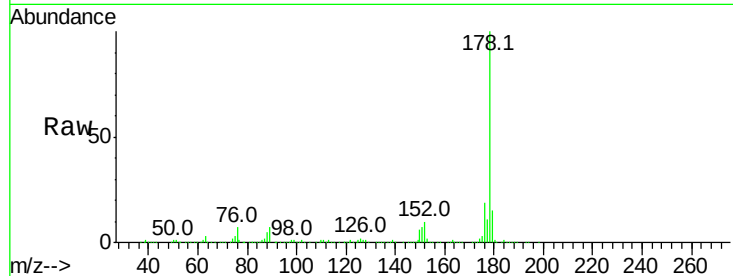
ClientSampleId :

OK-01-091417

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	15.2	12.6	19.0

Manual Integrations
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#71

Anthracene

Concen: 4.960 ng

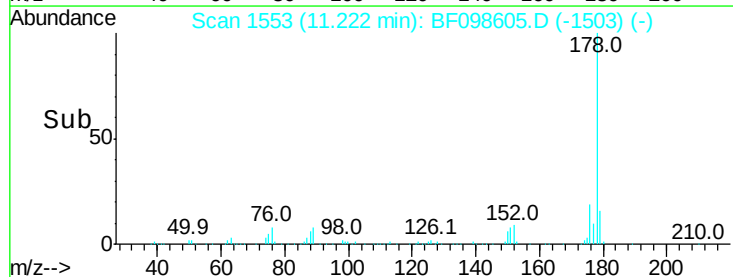
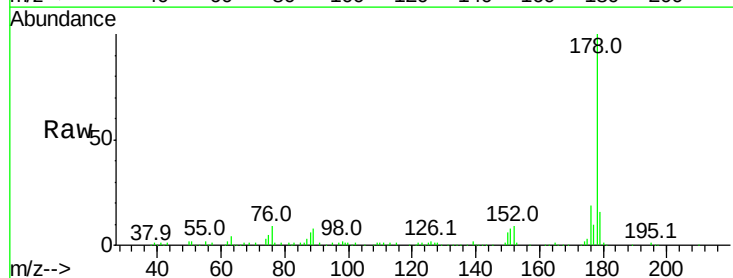
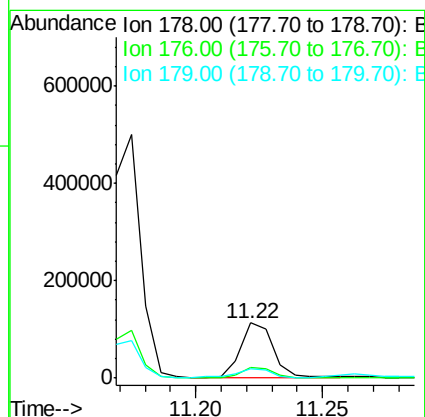
RT: 11.22 min Scan# 1553

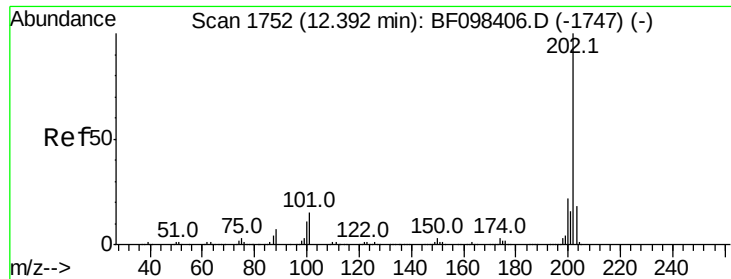
Delta R.T. -0.01 min

Lab File: BF098605.D

Acq: 18 Sep 2017 16:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	16.2	12.7	19.1





#74

Fluoranthene

Concen: 31.851 ng

RT: 12.36 min Scan# 1747

Delta R.T. -0.00 min

Lab File: BF098605.D

Acq: 18 Sep 2017 16:40

Instrument :

BNA_F

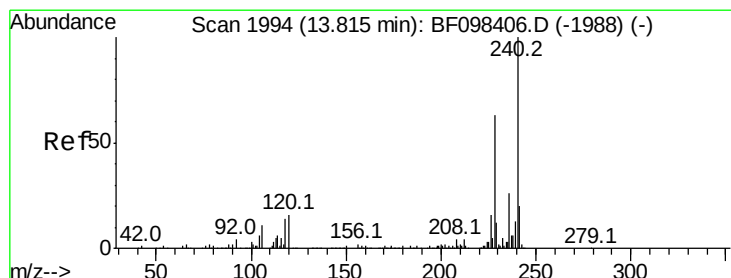
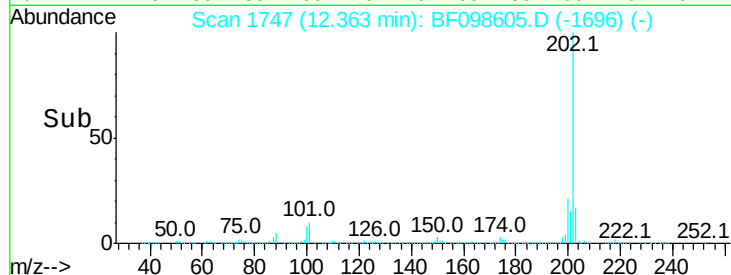
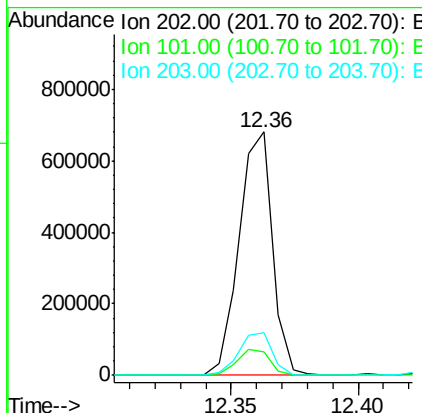
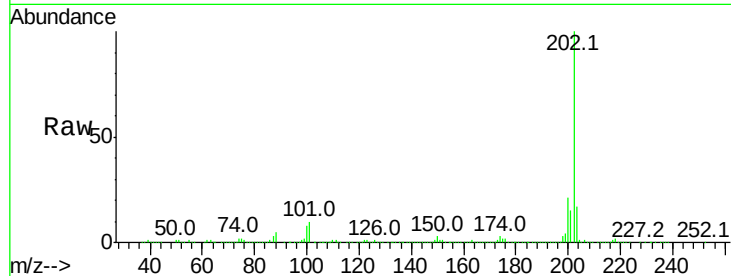
ClientSampleId :

OK-01-091417

Tot Ion:	202	Resp:	621368
Ion Ratio		Lower	Upper
202	100		
101	9.6	0.0	33.2
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

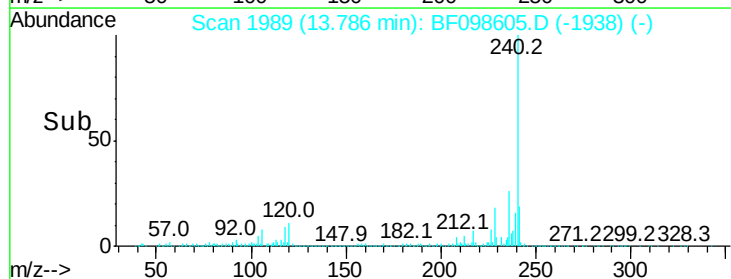
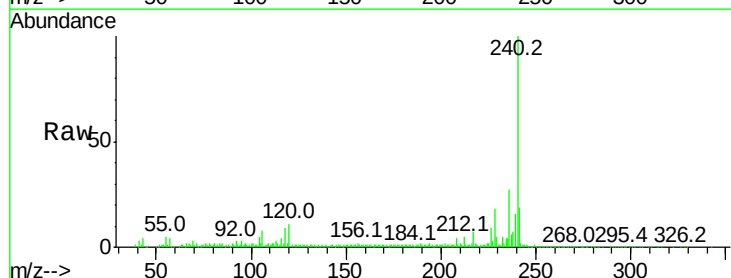
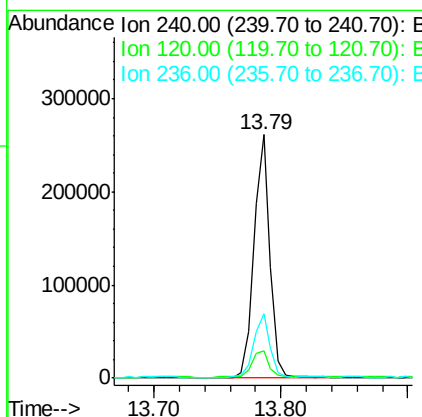
RT: 13.79 min Scan# 1989

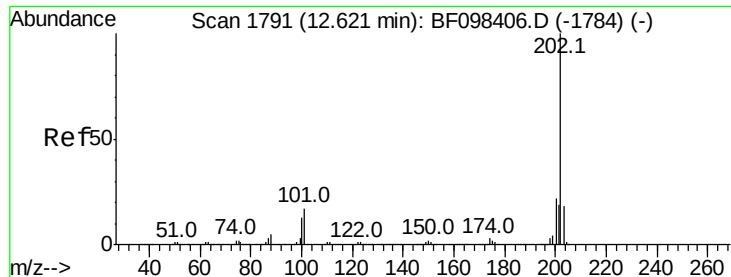
Delta R.T. -0.00 min

Lab File: BF098605.D

Acq: 18 Sep 2017 16:40

Tgt Ion:	240	Resp:	228647
Ion Ratio		Lower	Upper
240	100		
120	11.2	5.8	8.8#
236	26.6	20.5	30.7





#77

Pvrene

Concen: 30.693 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF098605.D

Acq: 18 Sep 2017 16:40

Instrument :

BNA_F

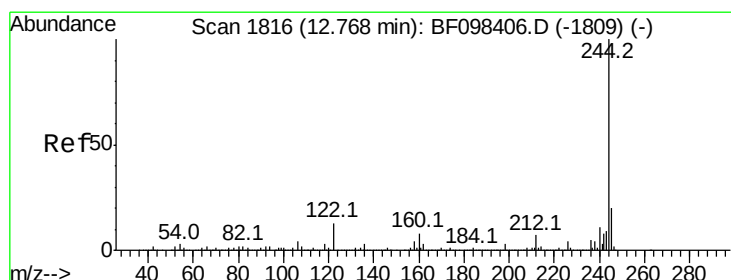
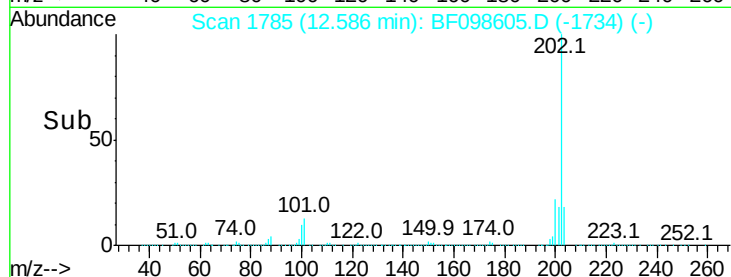
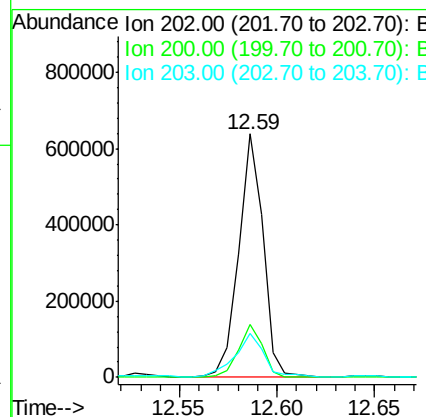
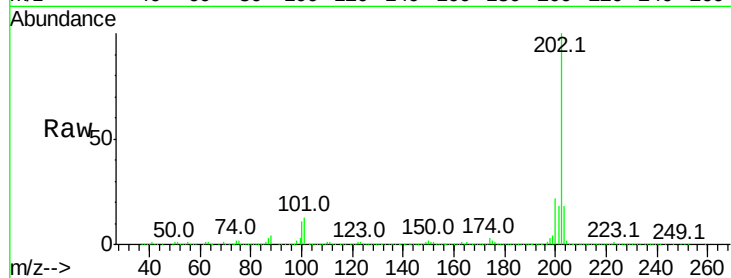
ClientSampleId :

OK-01-091417

Tot Ion:	202	Resp:	553620
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.6	26.4
203	18.2	14.4	21.6

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#78

Terphenyl-d14

Concen: 39.614 ng

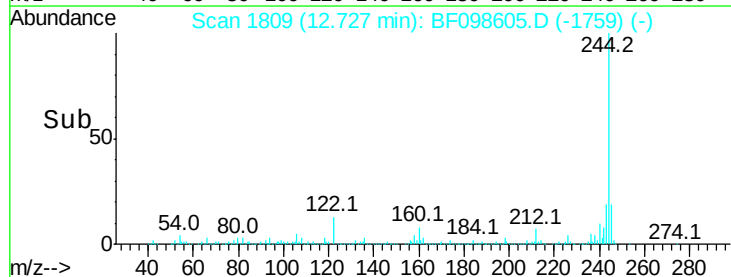
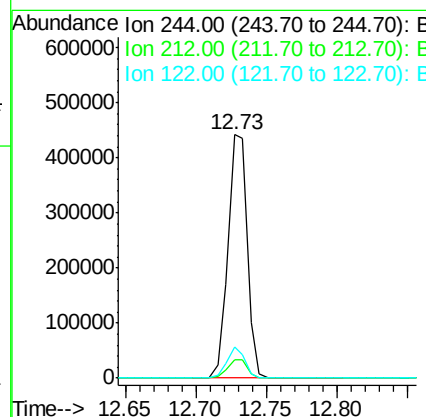
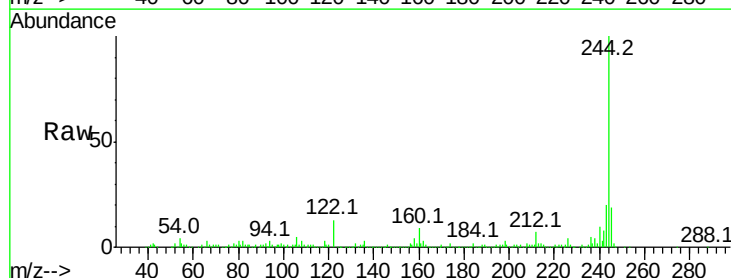
RT: 12.73 min Scan# 1809

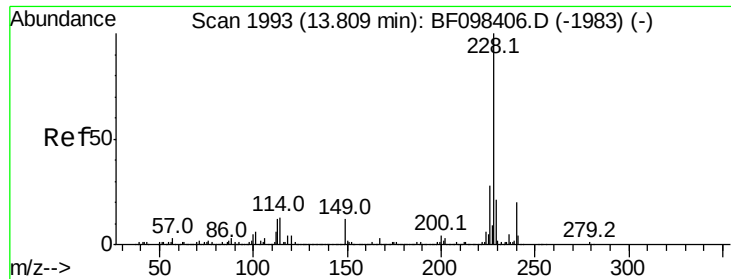
Delta R.T. -0.01 min

Lab File: BF098605.D

Acq: 18 Sep 2017 16:40

Tgt Ion:	244	Resp:	419630
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.0	9.0
122	12.8	10.3	15.5





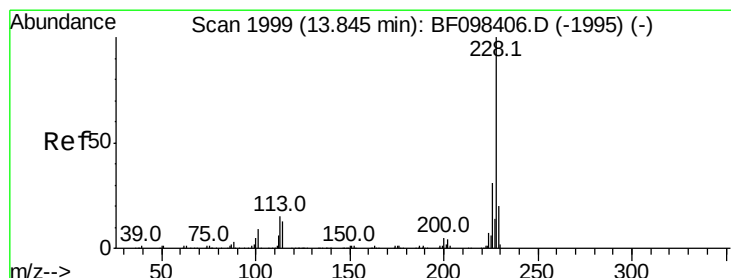
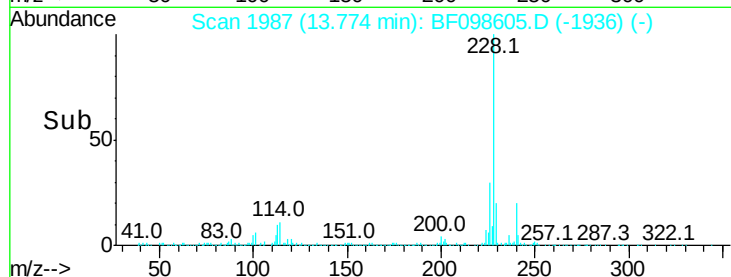
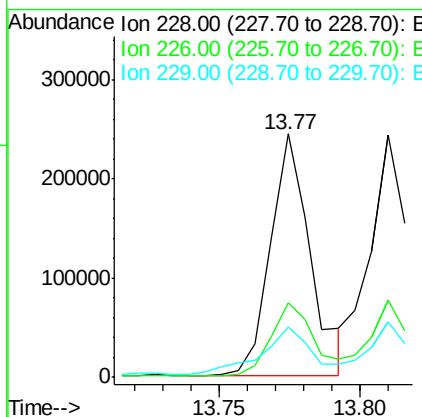
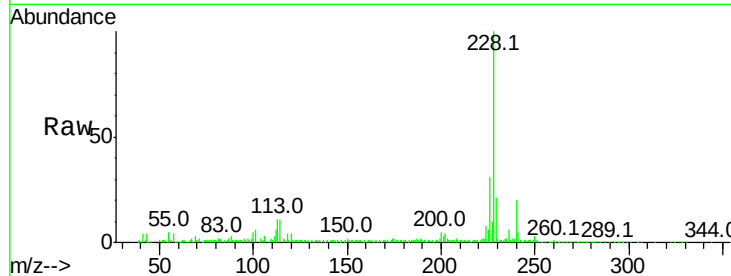
#80
Benzo(a)anthracene
Concen: 17.924 ng
RT: 13.77 min Scan# 1987
Delta R.T. -0.00 min
Lab File: BF098605.D
Acq: 18 Sep 2017 16:40

Instrument :
BNA_F
ClientSampleId :
OK-01-091417

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.6	33.8
229	20.8	16.3	24.5

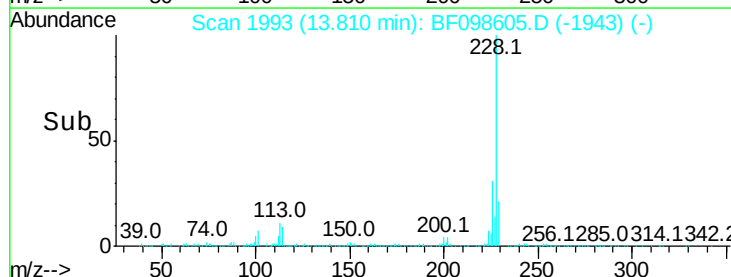
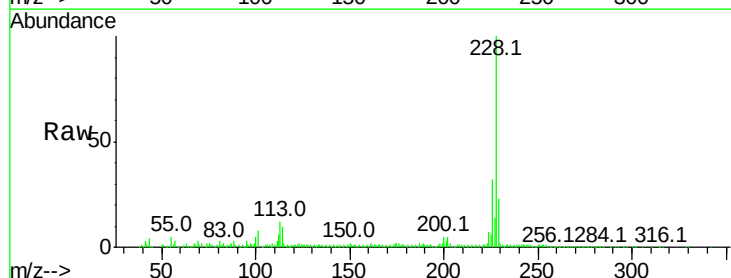
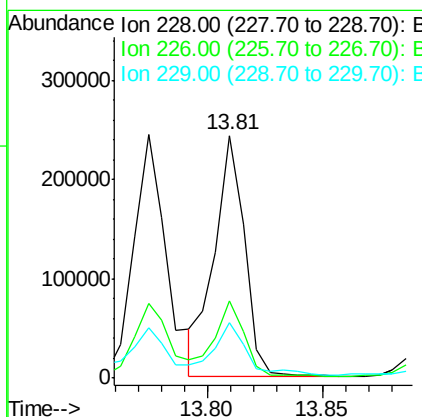
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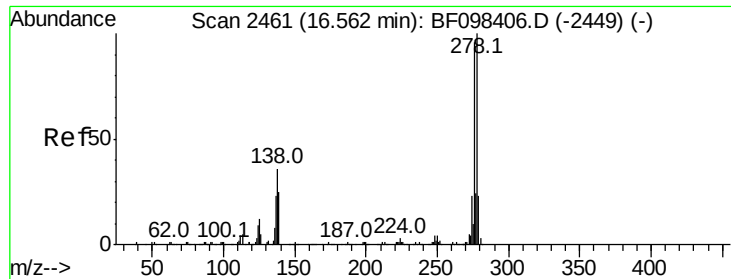
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#82
Chrysene
Concen: 16.197 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF098605.D
Acq: 18 Sep 2017 16:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.9	37.3
229	22.7	15.8	23.6





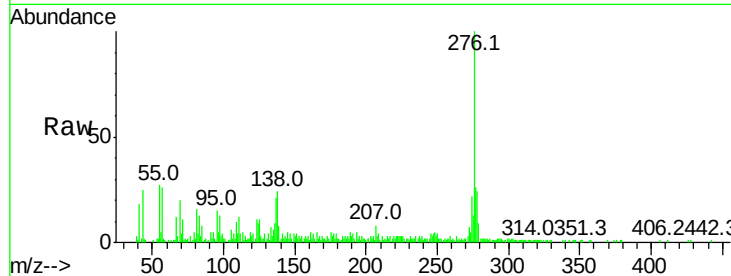
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.145 ng
RT: 16.52 min Scan# 2454
Delta R.T. 0.01 min
Lab File: BF098605.D
Acq: 18 Sep 2017 16:40

Instrument :
BNA_F
ClientSampleId :
OK-01-091417

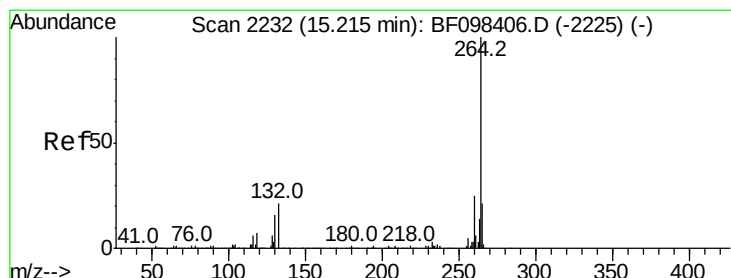
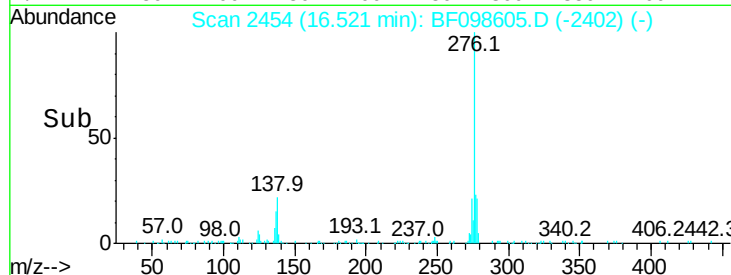
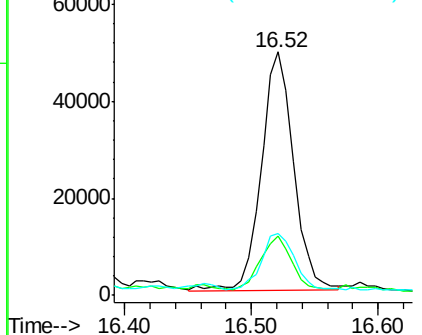
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	27.8	41.6#
277	24.2	20.2	30.4

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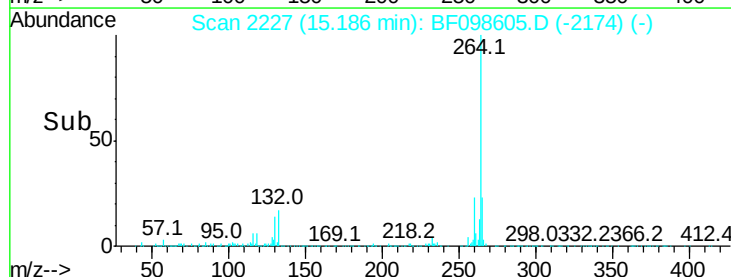
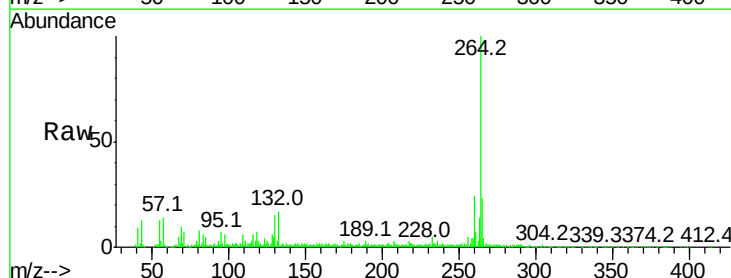
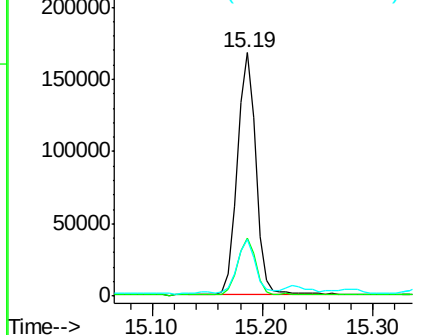
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

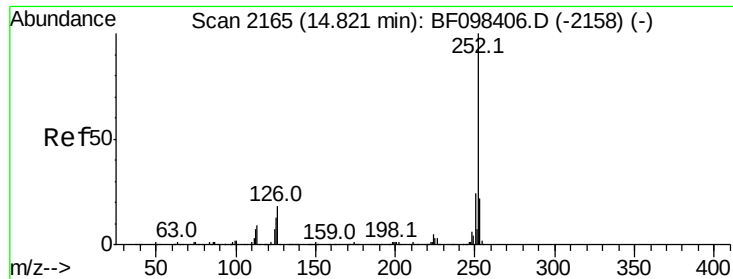


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.01 min
Lab File: BF098605.D
Acq: 18 Sep 2017 16:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	23.3	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: 20.808 ng m

RT: 14.79 min Scan# 2160

Delta R.T. -0.00 min

Lab File: BF098605.D

Acq: 18 Sep 2017 16:40

Instrument :

BNA_F

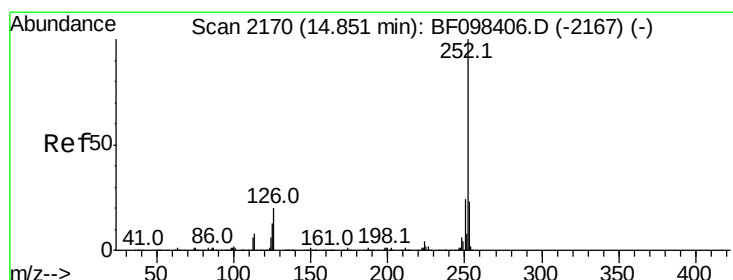
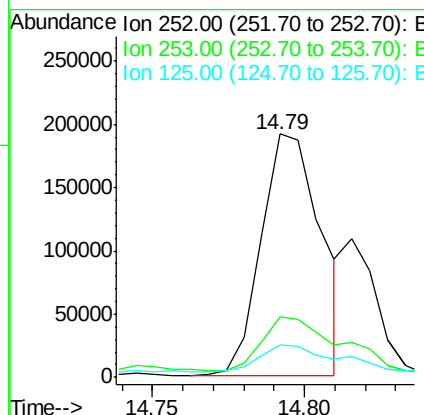
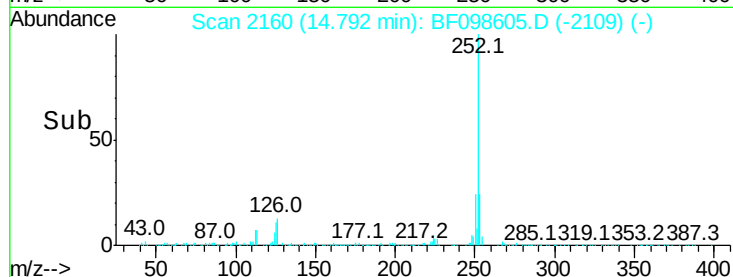
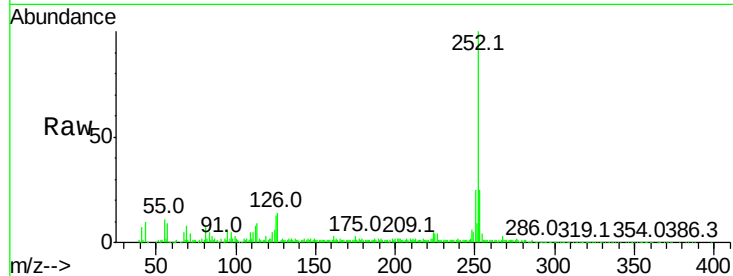
ClientSampleId :

OK-01-091417

Tot Ion:	252	Resp:	262392
Ion Ratio	Lower	Upper	
252	100		
253	25.1	18.1	27.1
125	13.4	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 6.970 ng m

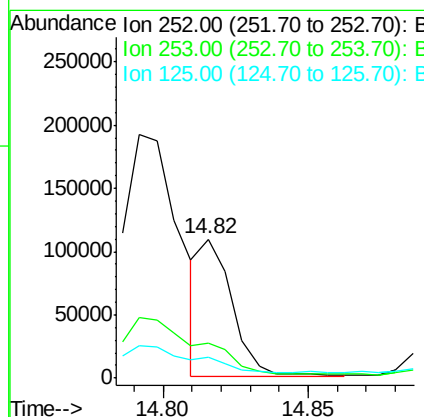
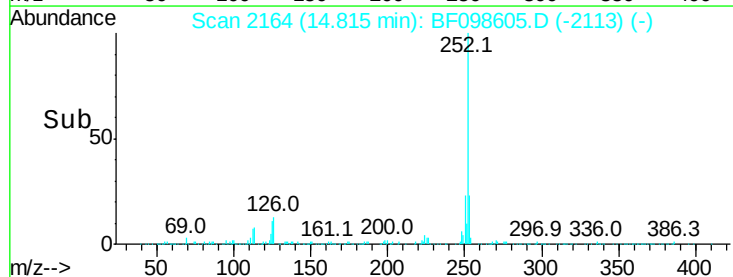
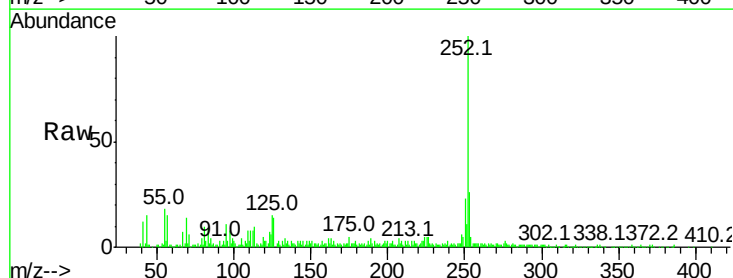
RT: 14.82 min Scan# 2164

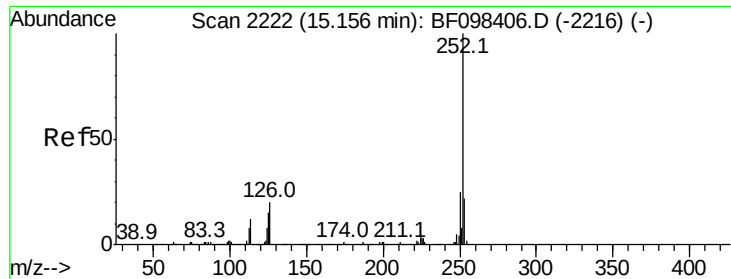
Delta R.T. -0.00 min

Lab File: BF098605.D

Acq: 18 Sep 2017 16:40

Tgt Ion:	252	Resp:	82051
Ion Ratio	Lower	Upper	
252	100		
253	25.6	18.4	27.6
125	14.8	13.1	19.7





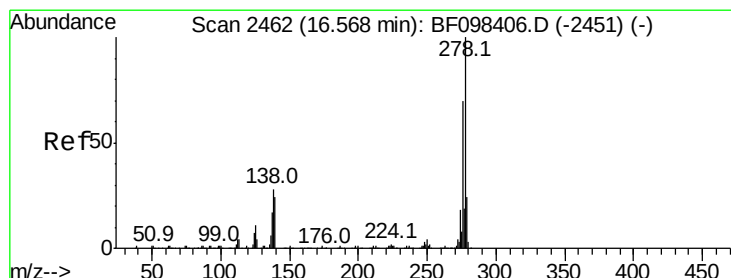
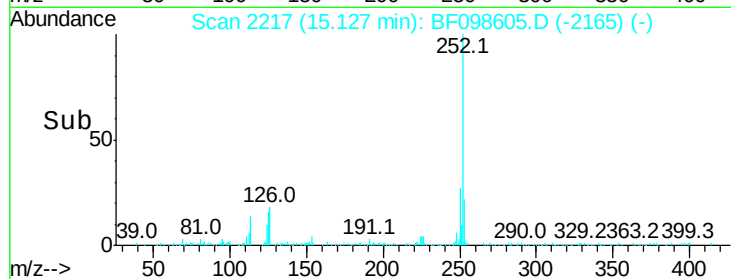
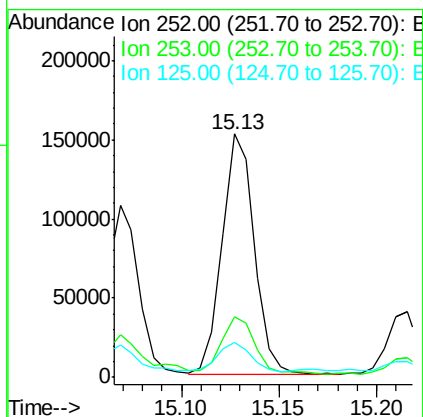
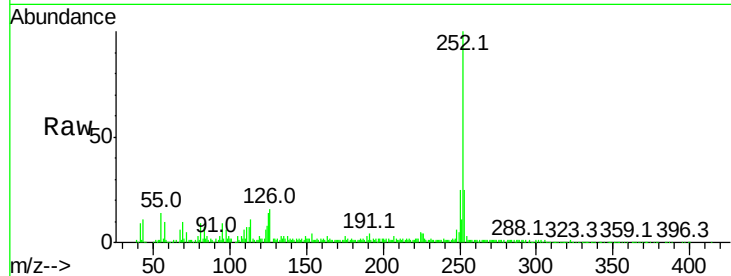
#89
Benzo(a)pyrene
Concen: 15.558 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF098605.D
Acq: 18 Sep 2017 16:40

Instrument :
BNA_F
ClientSampleId :
OK-01-091417

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.5	26.3
125	14.4	11.0	16.4

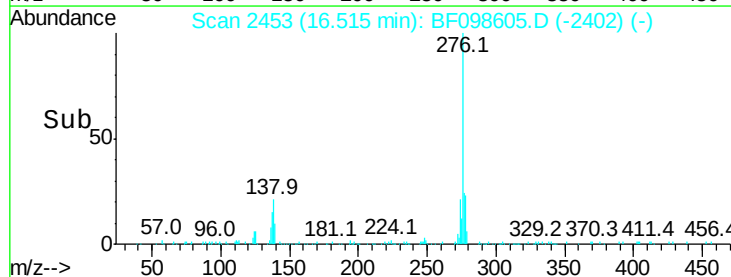
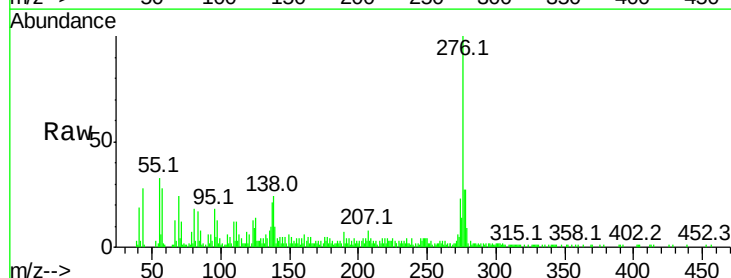
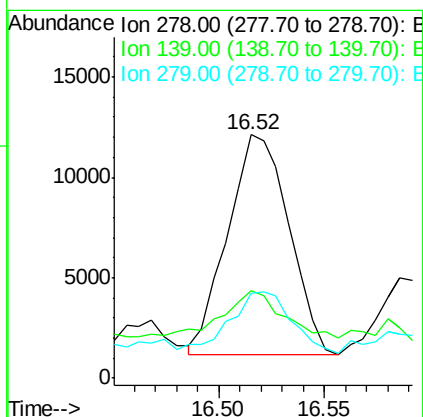
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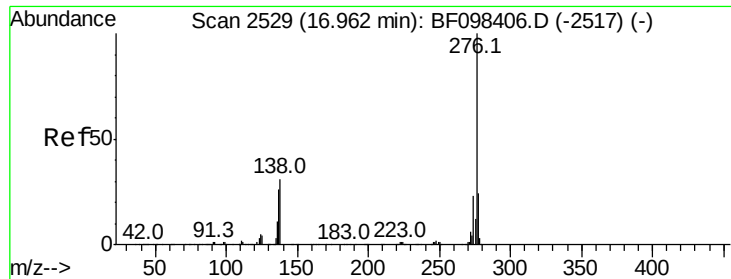
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#90
Dibenzo(a,h)anthracene
Concen: 2.684 ng
RT: 16.52 min Scan# 2453
Delta R.T. -0.00 min
Lab File: BF098605.D
Acq: 18 Sep 2017 16:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	35.9	16.6	24.8#
279	34.7	19.3	28.9#





#91
 Benzo(a,h,i)perylene
 Concen: 9.705 ng
 RT: 16.92 min Scan# 2522
 Delta R.T. 0.01 min
 Lab File: BF098605.D
 Acq: 18 Sep 2017 16:40

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-091417

Tot Ion:	276	Resp:	79774
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.6	28.0
138	26.8	25.4	38.0

Manual Integrations
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