

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
 Data File : BF096350.D
 Acq On : 30 Jun 2017 21:44
 Operator : SJ/MA
 Sample : I3908-04 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-57-1.5-3

Manual Integrations
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Quant Time: Jul 01 00:07:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	155859	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	618063	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	223876	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	315395	20.00	ng	-0.01
75) Chrysene-d12	13.90	240	321484	20.00	ng	-0.01
86) Perylene-d12	15.33	264	240207	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	377508	34.90	ng	-0.02
7) Phenol-d6	6.39	99	464743	35.48	ng	0.00
23) Nitrobenzene-d5	7.31	82	249701	27.97	ng	-0.05
41) 2,4,6-Tribromophenol	10.57	330	71470	40.56	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	403224	32.98	ng	-0.03
78) Terphenyl-d14	12.86	244	260214	20.20	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.06	128	119402	4.01	ng	97
37) 2-Methylnaphthalene	8.75	142	84390	4.36	ng	94
49) Dimethylphthalate	9.51	163	96549	6.03	ng	97
74) Fluoranthene	12.48	202	140331	8.01	ng	96
77) Pyrene	12.71	202	132095	5.00	ng	97
80) Benzo(a)anthracene	13.89	228	76691	3.91	ng	92
82) Chrysene	13.93	228	102606m	5.06	ng	
85) Indeno(1,2,3-cd)pyrene	16.70	276	35091	2.09	ng	96
87) Benzo(b)fluoranthene	14.92	252	120009m	7.61	ng	
88) Benzo(k)fluoranthene	14.94	252	38628m	2.68	ng	
89) Benzo(a)pyrene	15.26	252	51804	3.72	ng	# 88
91) Benzo(a,h,i)perylene	17.12	276	33226	2.93	ng	# 91

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

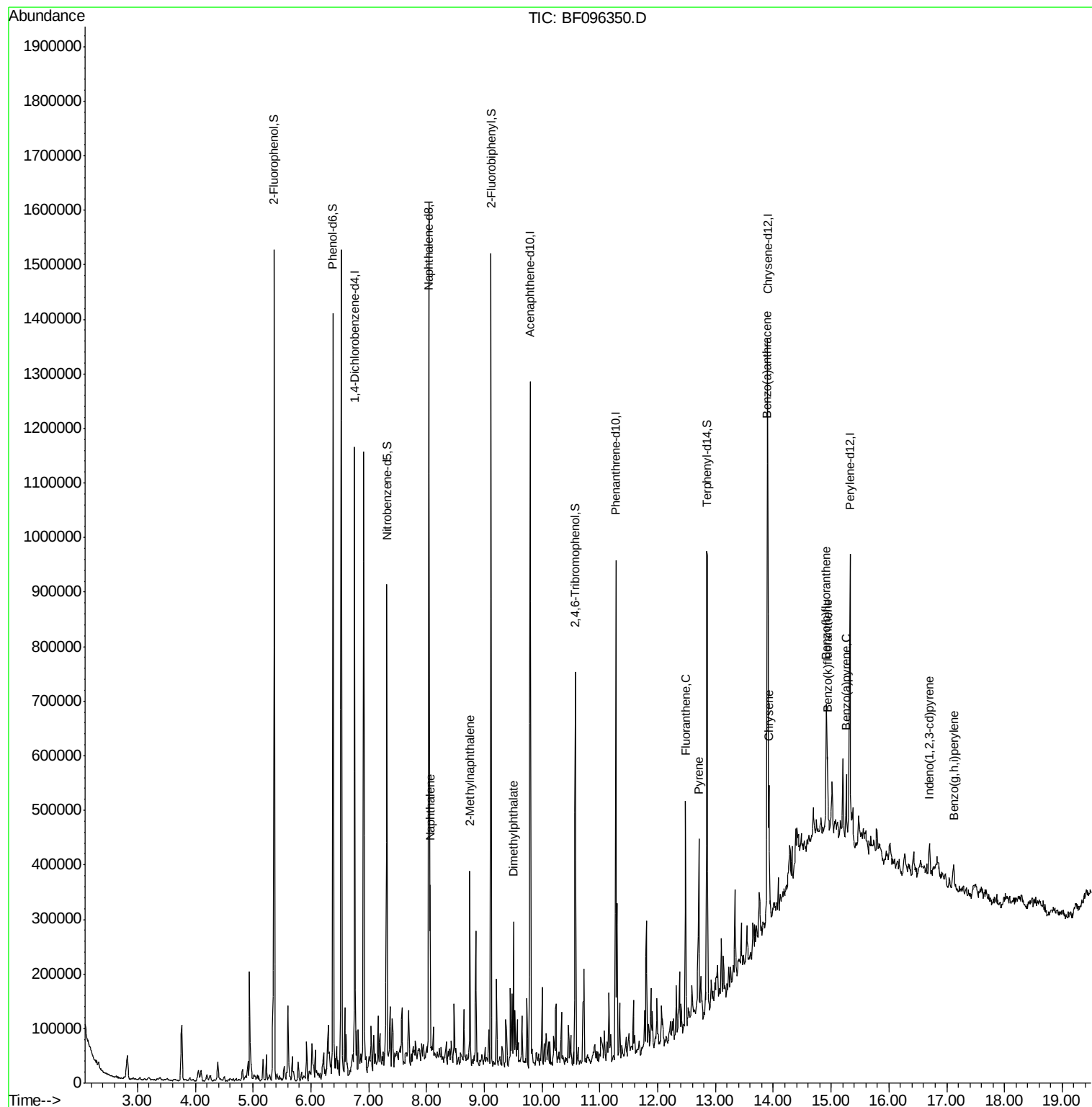
Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
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ALS Vial : 27 Sample Multiplier: 1

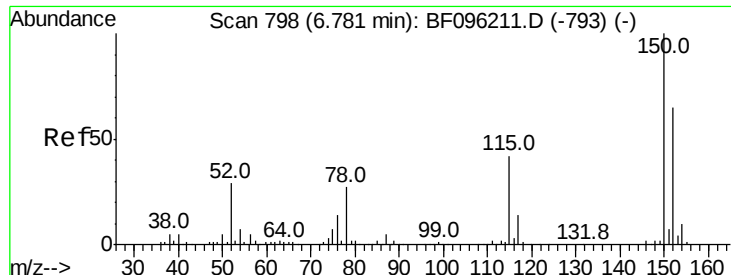
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G-57-1.5-3

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
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#1

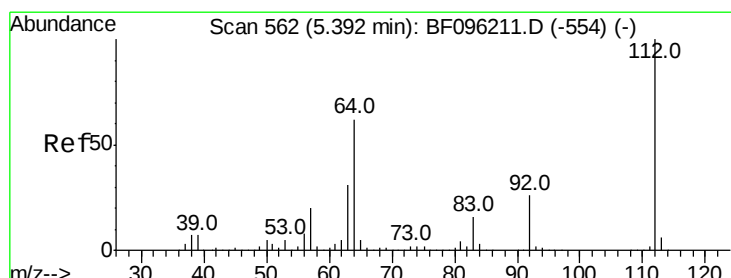
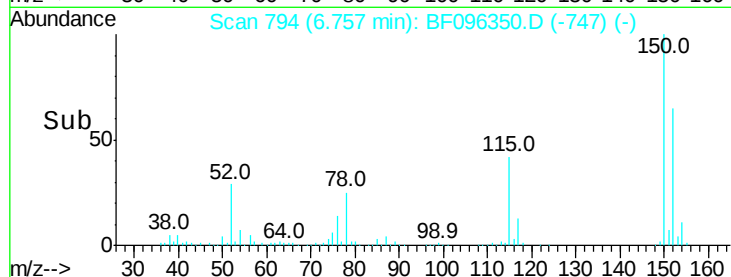
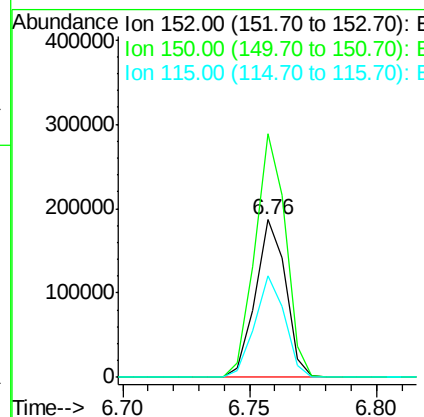
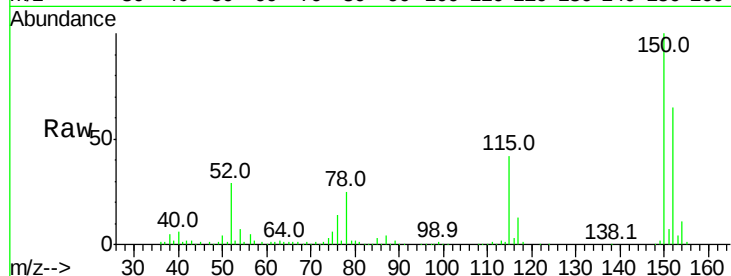
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF096350.D
Acq: 30 Jun 2017 21:44

Instrument :
BNA_F
ClientSampleId :
G-57-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	126.2	189.2
115	64.8	52.2	78.2

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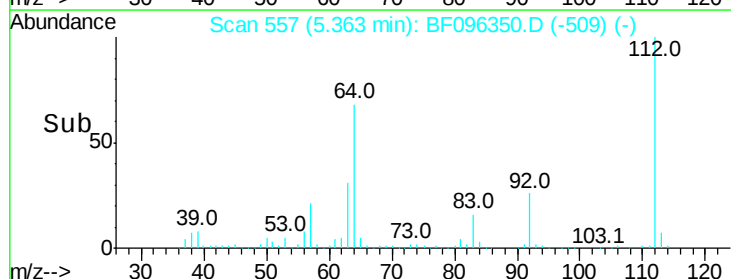
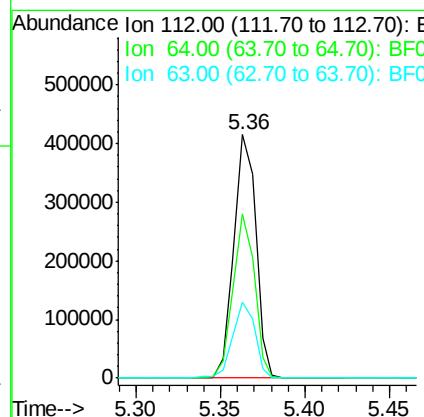
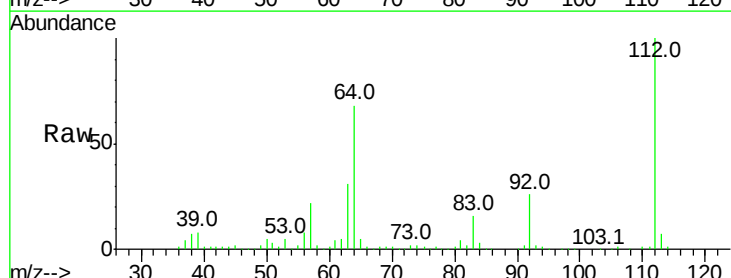
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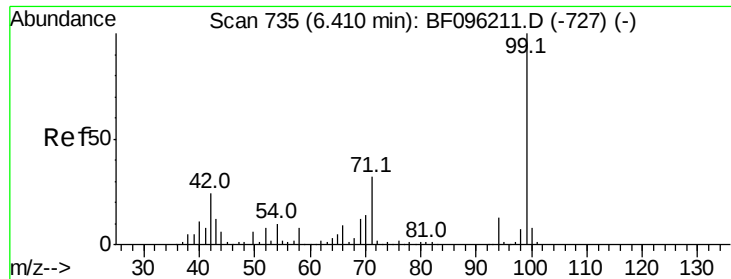


#5

2-Fluorophenol
Concen: 34.90 ng
RT: 5.36 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF096350.D
Acq: 30 Jun 2017 21:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	46.0	69.0
63	31.4	23.4	35.0





#7

Phenol-d6

Concen: 35.48 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF096350.D

Acq: 30 Jun 2017 21:44

Instrument :

BNA_F

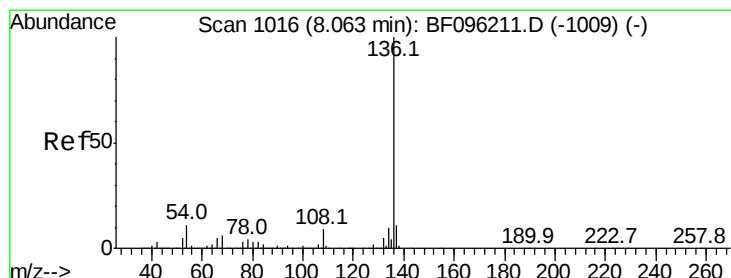
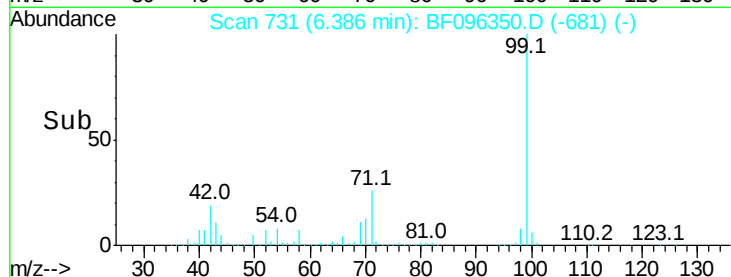
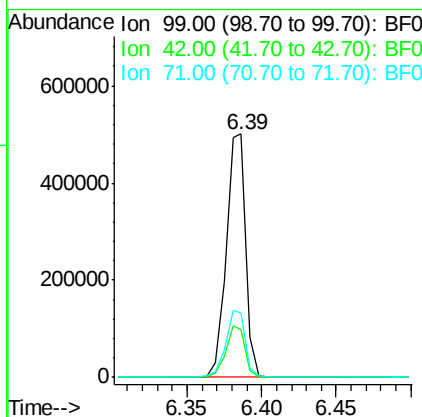
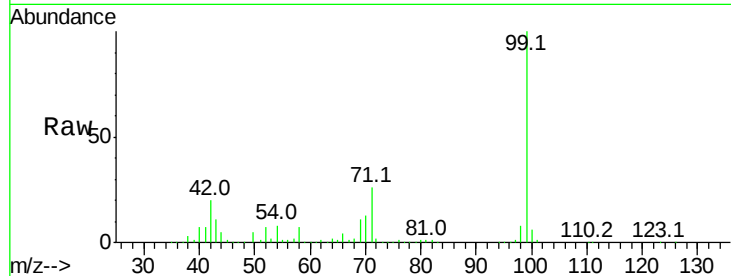
ClientSampleId :

G-57-1.5-3

Tot Ion:	99	Resp:	464743
Ion Ratio	Lower	Upper	
99	100		
42	19.6	13.5	20.3
71	26.3	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

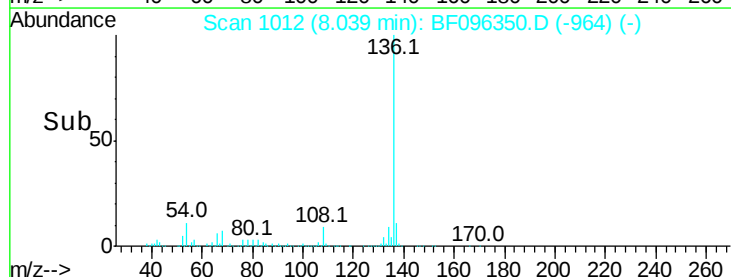
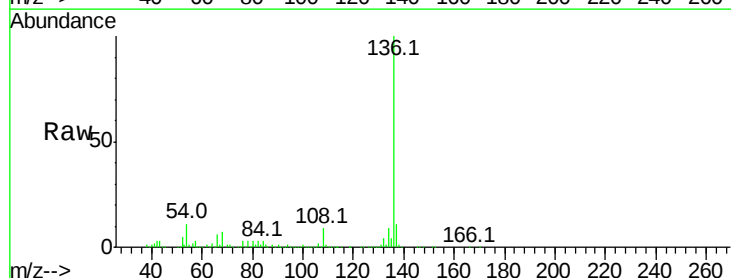
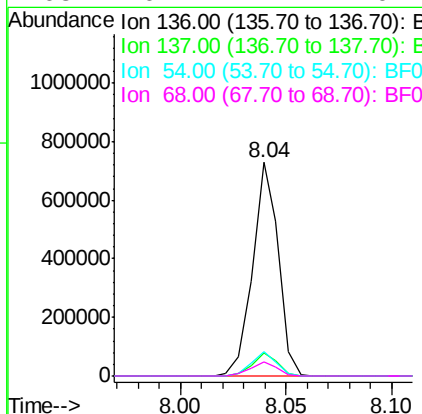
RT: 8.04 min Scan# 1012

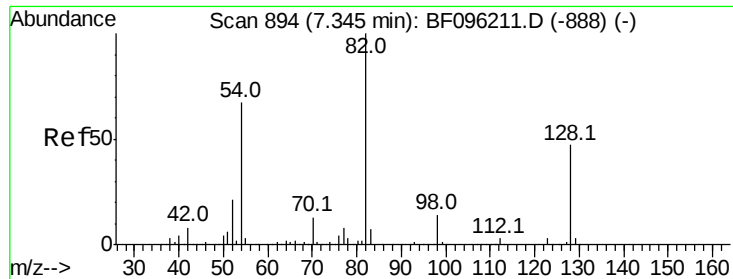
Delta R.T. -0.02 min

Lab File: BF096350.D

Acq: 30 Jun 2017 21:44

Tgt Ion:	136	Resp:	618063
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	11.2	4.9	7.3#
68	6.7	4.1	6.1#





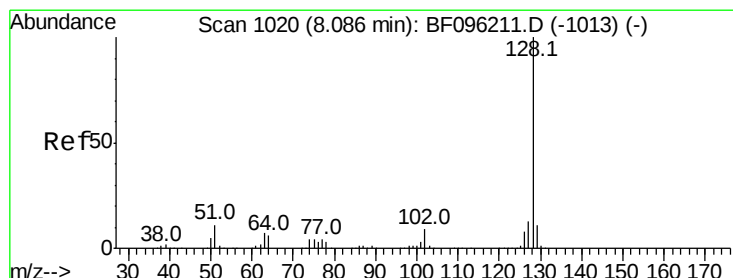
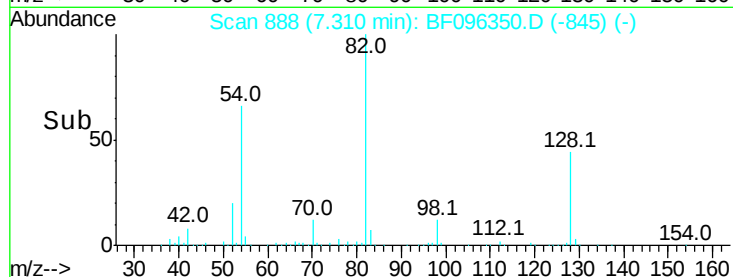
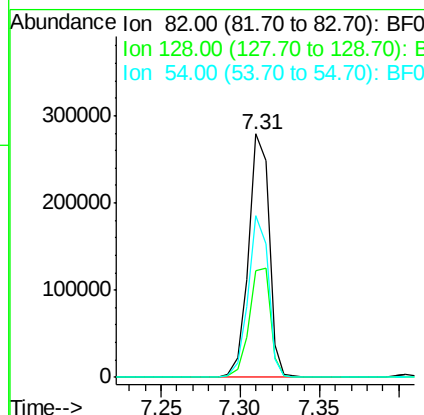
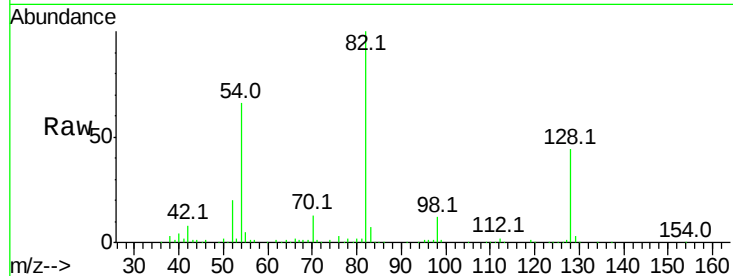
#23
 Nitrobenzene-d5
 Concen: 27.97 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.05 min
 Lab File: BF096350.D
 Acq: 30 Jun 2017 21:44

Instrument :
 BNA_F
 ClientSampleId :
 G-57-1.5-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.0	51.0
54	66.4	42.2	63.2

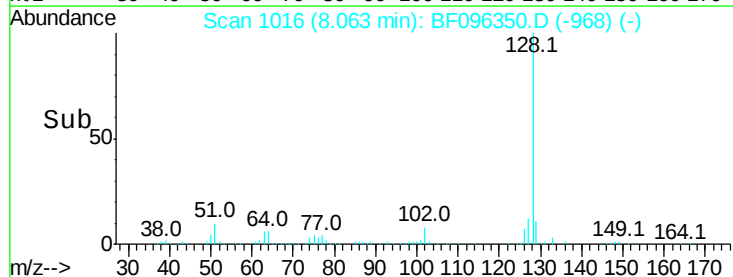
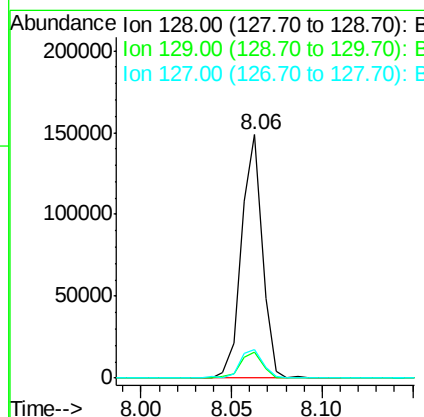
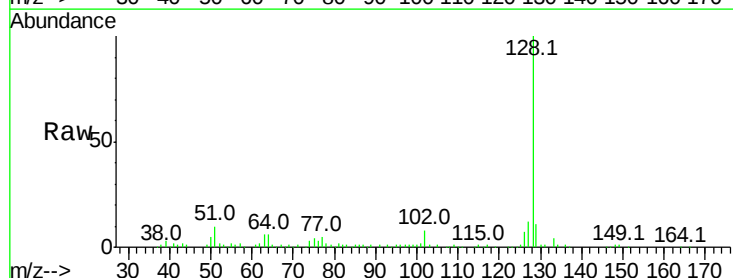
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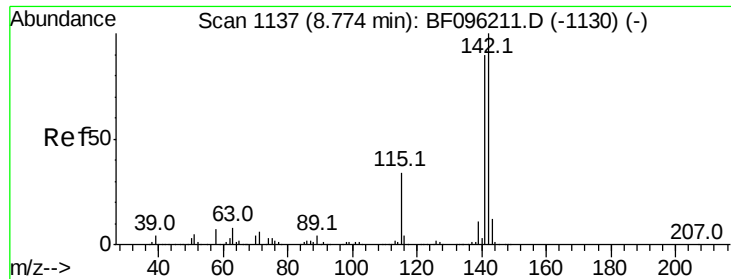
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#31
 Naphthalene
 Concen: 4.01 ng
 RT: 8.06 min Scan# 1016
 Delta R.T. -0.02 min
 Lab File: BF096350.D
 Acq: 30 Jun 2017 21:44

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.6
127	11.6	10.8	16.2





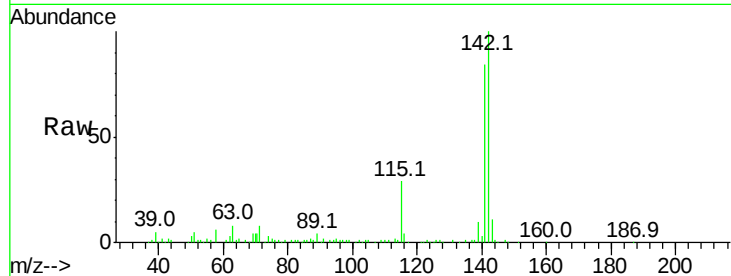
#37
2-Methylnaphthalene
Concen: 4.36 ng
RT: 8.75 min Scan# 1133
Delta R.T. -0.02 min
Lab File: BF096350.D
Acq: 30 Jun 2017 21:44

Instrument :
BNA_F
ClientSampleId :
G-57-1.5-3

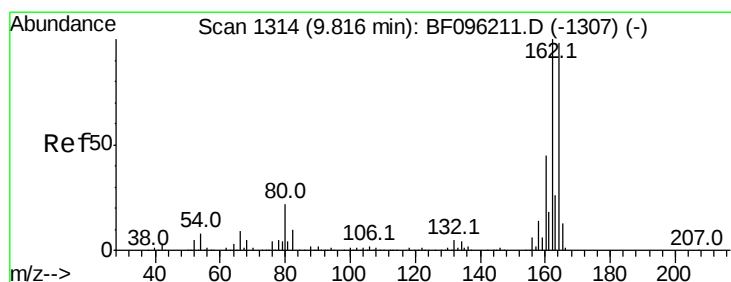
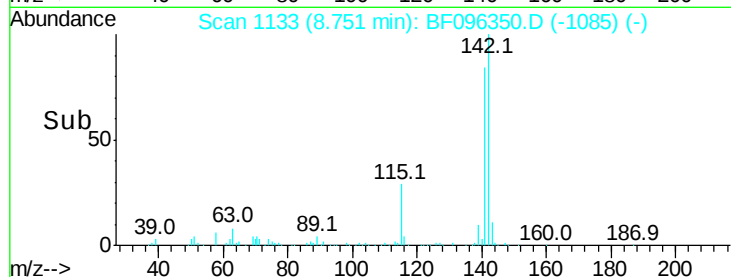
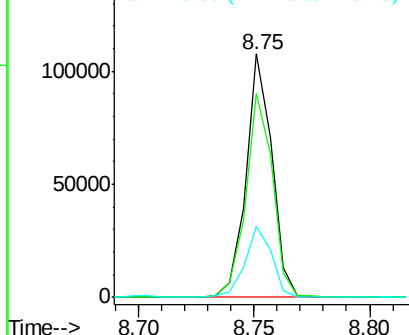
Tot Ion	Ratio	Lower	Upper
142	100		
141	83.8	71.3	106.9
115	29.3	27.1	40.7

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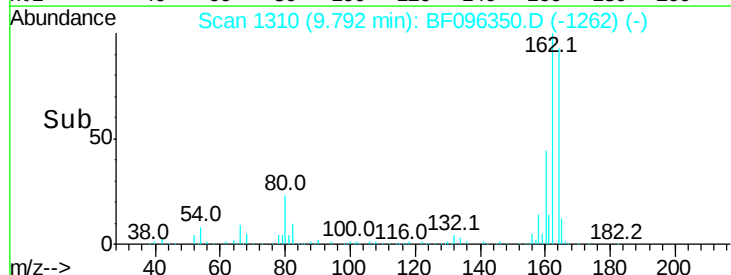
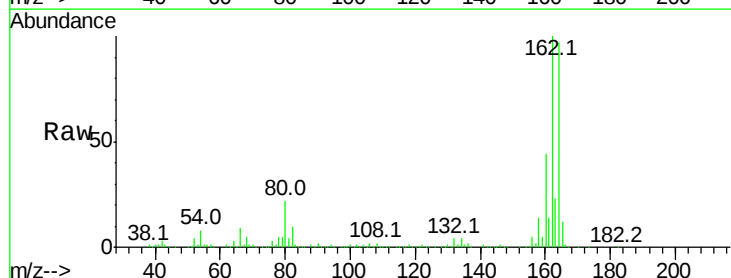
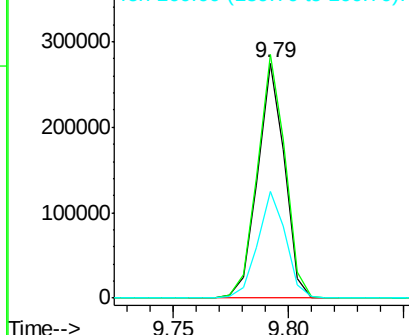
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

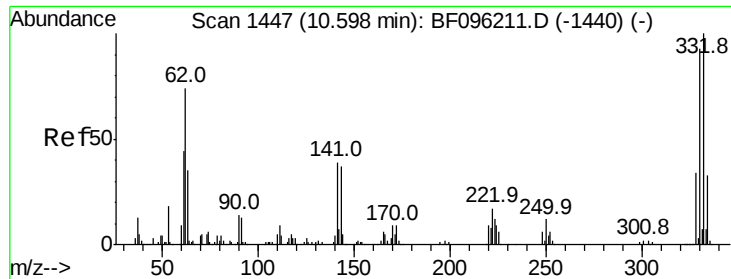


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF096350.D
Acq: 30 Jun 2017 21:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.6	123.8
160	45.1	36.2	54.2

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





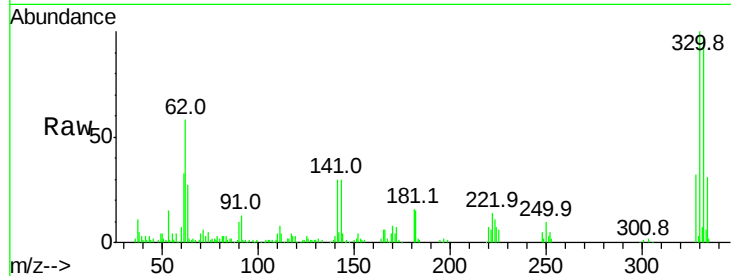
#41
 2,4,6-Tribromophenol
 Concen: 40.56 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.02 min
 Lab File: BF096350.D
 Acq: 30 Jun 2017 21:44

Instrument :
 BNA_F
 ClientSampleId :
 G-57-1.5-3

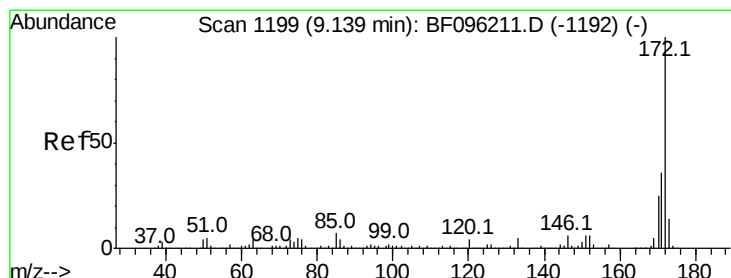
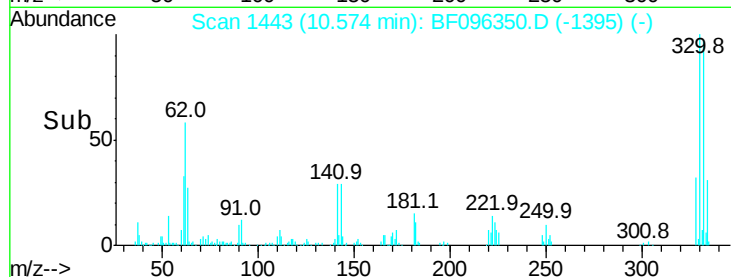
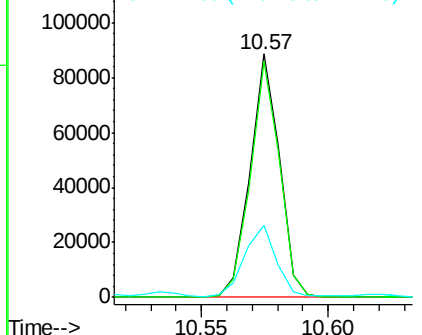
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	115.0
141	31.6	31.4	47.2

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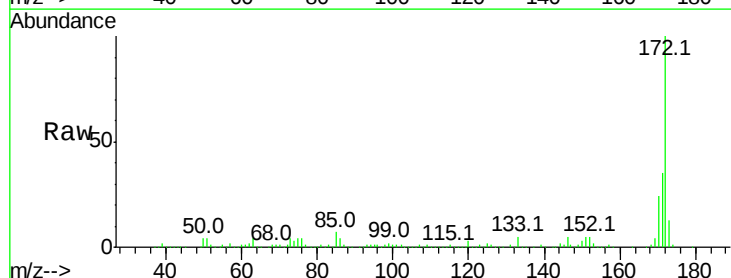


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

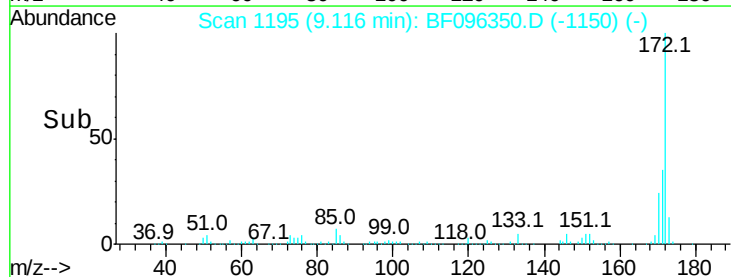
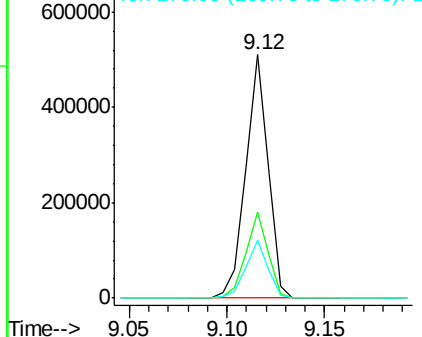


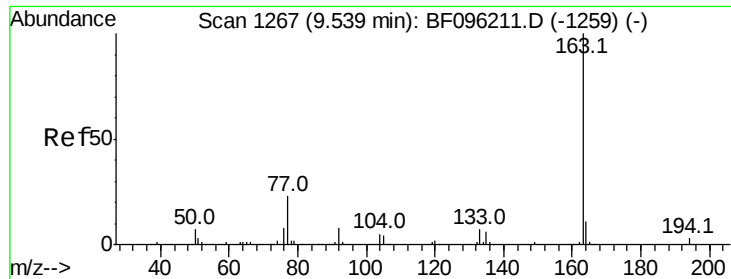
#44
 2-Fluorobiphenyl
 Concen: 32.98 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.03 min
 Lab File: BF096350.D
 Acq: 30 Jun 2017 21:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	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





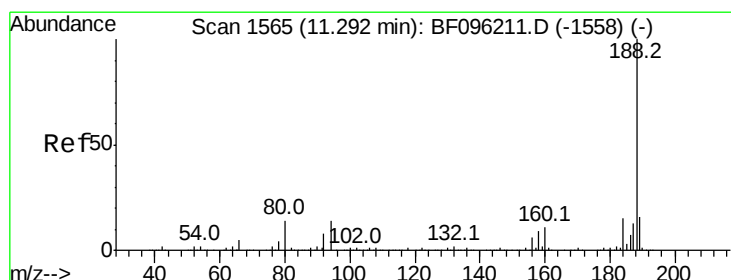
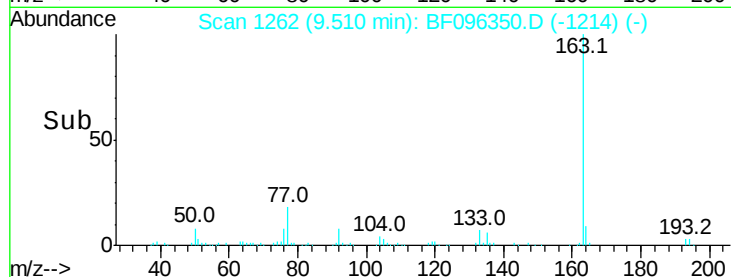
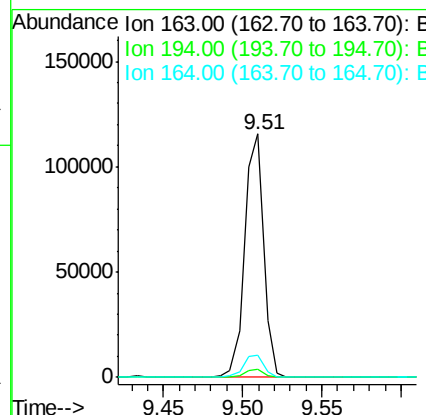
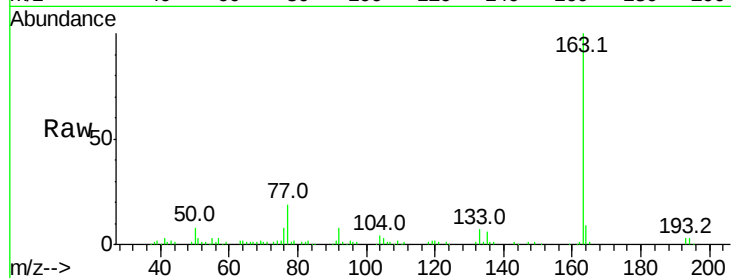
#49
Dimethylphthalate
Concen: 6.03 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF096350.D
Acq: 30 Jun 2017 21:44

Instrument :
BNA_F
ClientSampleId :
G-57-1.5-3

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	9.0	8.4	12.6

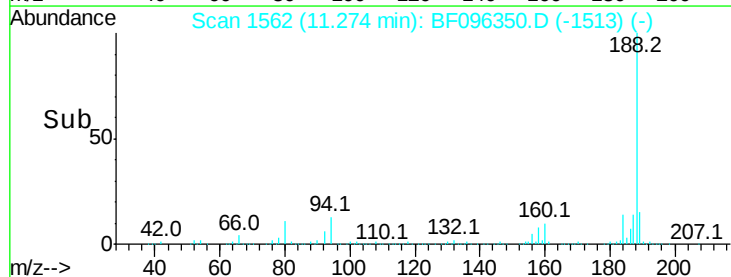
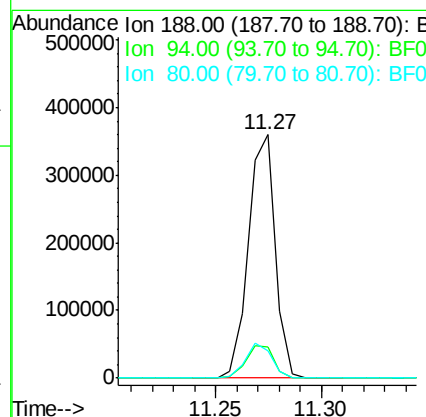
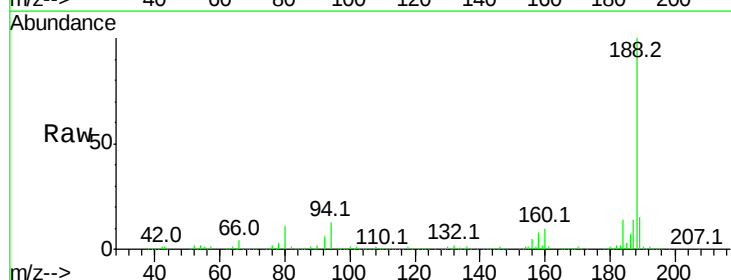
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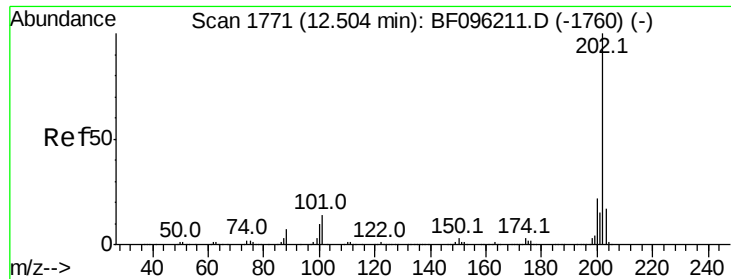
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF096350.D
Acq: 30 Jun 2017 21:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.8	9.4	14.2
80	11.5	10.2	15.2





#74

Fluoranthene

Concen: 8.01 ng

RT: 12.48 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BF096350.D

Acq: 30 Jun 2017 21:44

Instrument :

BNA_F

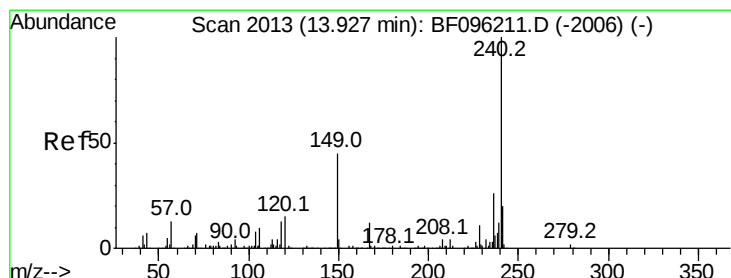
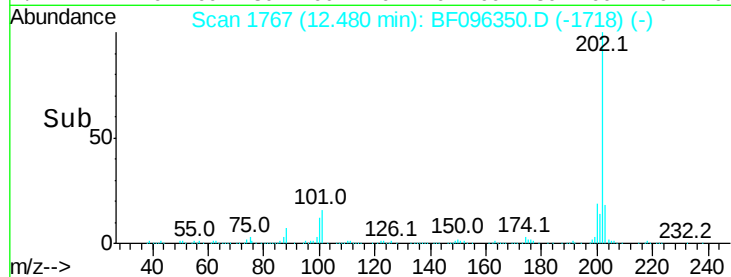
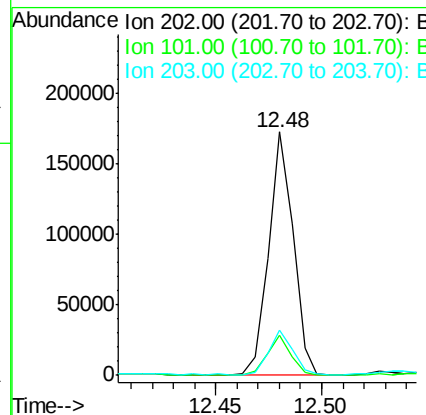
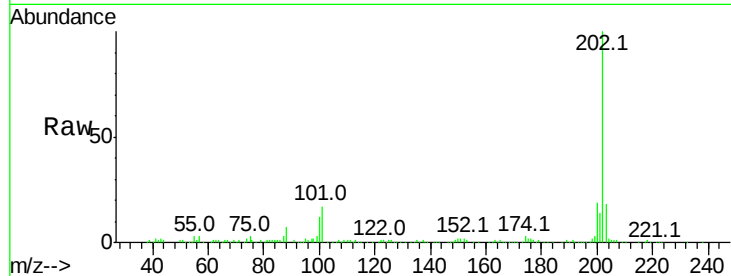
ClientSampleId :

G-57-1.5-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	16.6	0.0	33.2		
203	18.4	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.00 ng

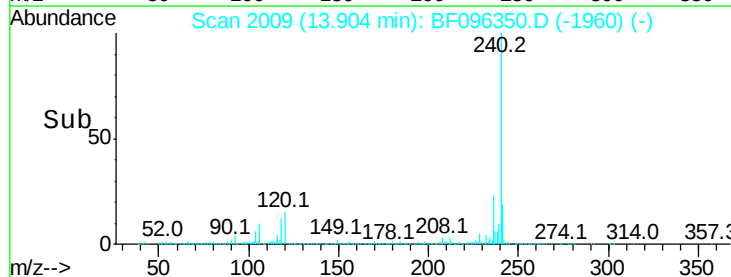
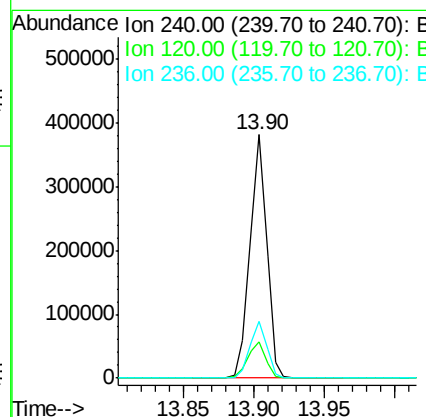
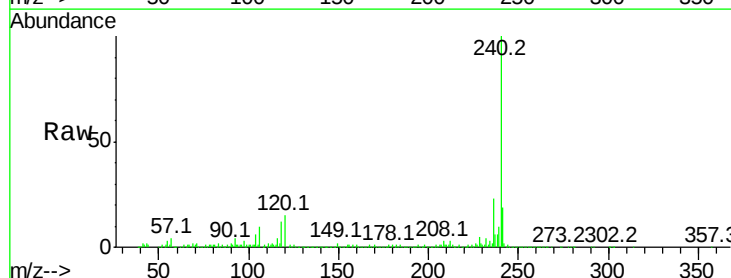
RT: 13.90 min Scan# 2009

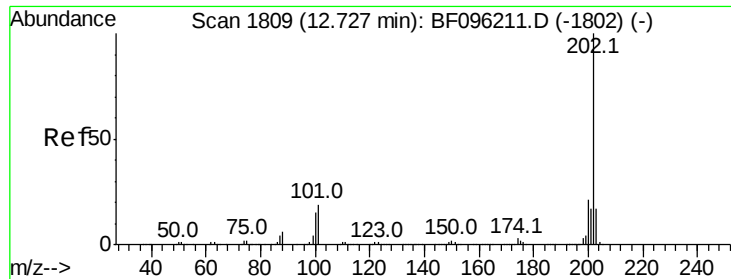
Delta R.T. -0.01 min

Lab File: BF096350.D

Acq: 30 Jun 2017 21:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	15.1	5.8	8.8#		
236	23.3	20.5	30.7		





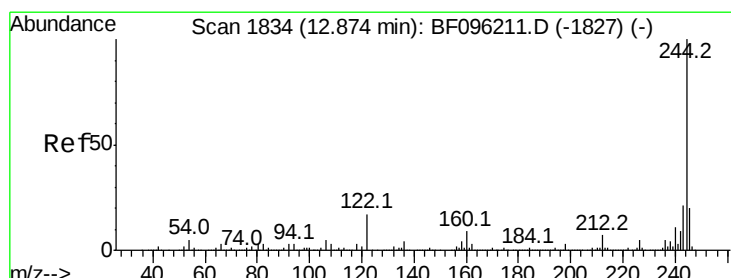
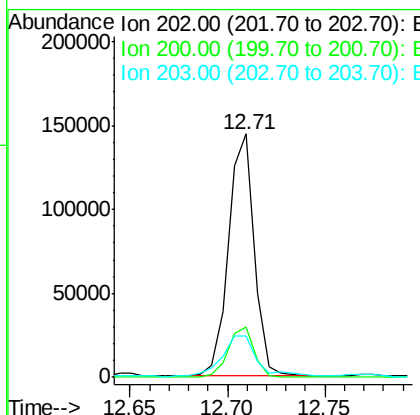
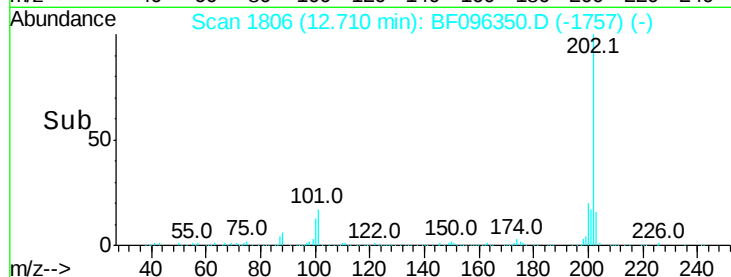
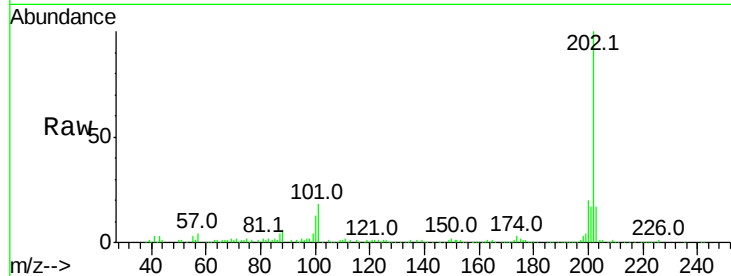
#77
Pvrene
Concen: 5.00 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF096350.D
Acq: 30 Jun 2017 21:44

Instrument :
BNA_F
ClientSampleId :
G-57-1.5-3

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.5	17.6	26.4
203	16.8	14.4	21.6

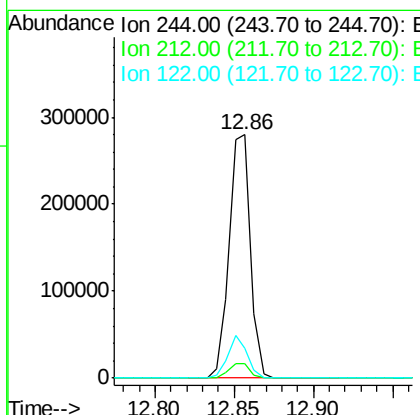
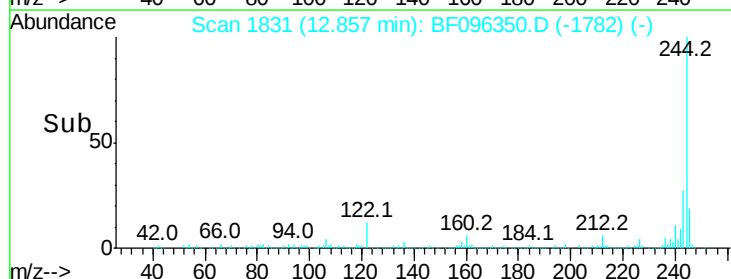
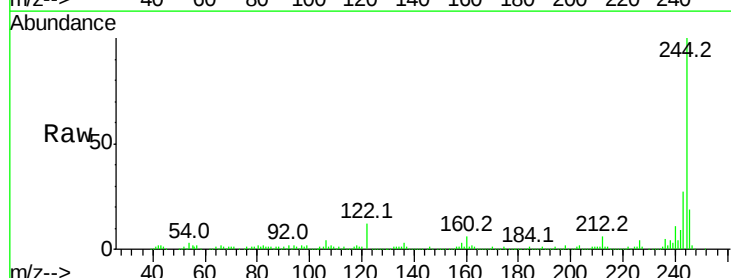
Manual Integrations
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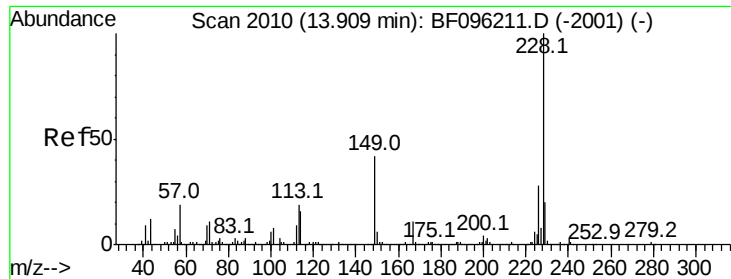
mohammad
7/3/2017 11:37:19 AM



#78
Terphenyl-d14
Concen: 20.20 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF096350.D
Acq: 30 Jun 2017 21:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	5.9	6.0	9.0#
122	12.2	10.3	15.5





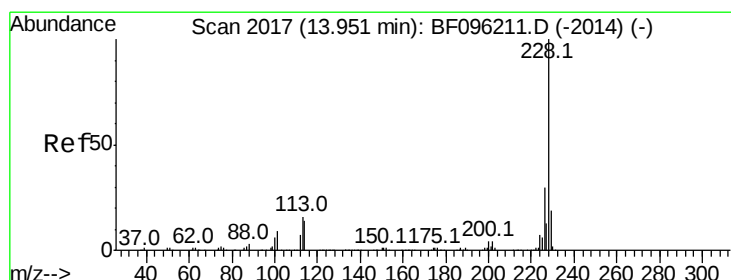
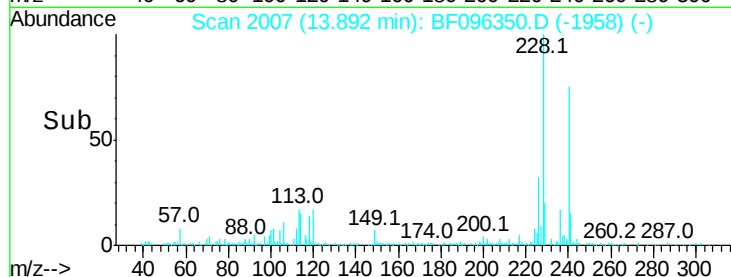
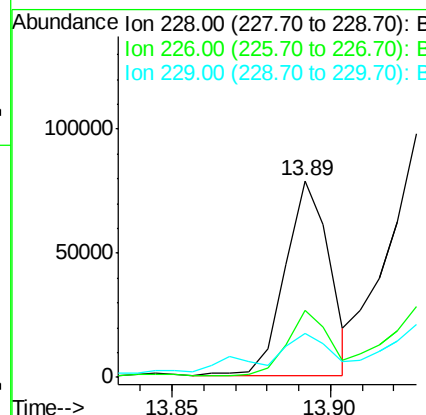
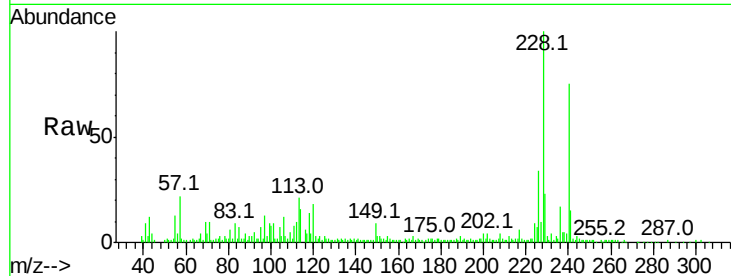
#80
Benzo(a)anthracene
Concen: 3.91 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF096350.D
Acq: 30 Jun 2017 21:44

Instrument :
BNA_F
ClientSampleId :
G-57-1.5-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.7	22.6	33.8
229	22.5	16.3	24.5

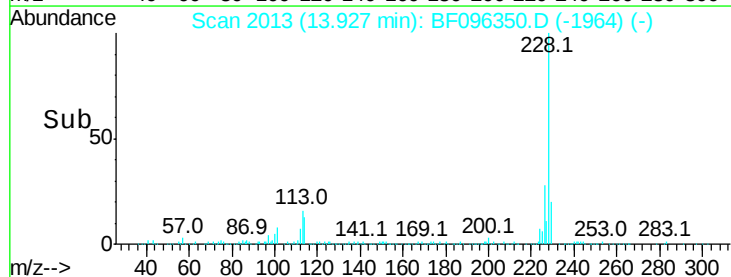
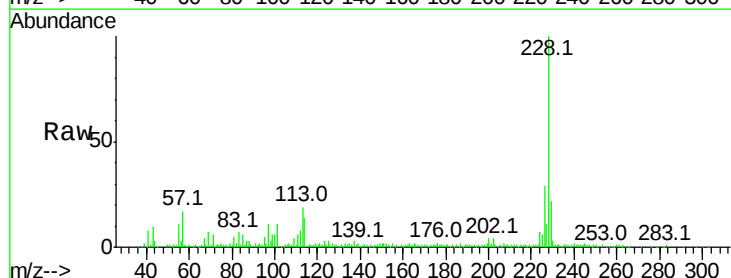
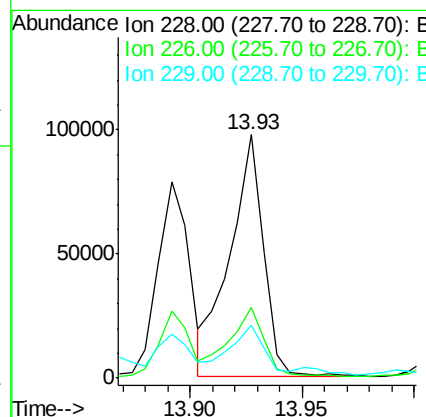
Manual Integrations
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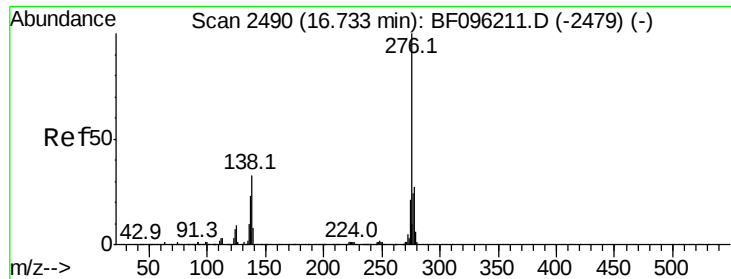
mohammad
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#82
Chrysene
Concen: 5.06 ng m
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF096350.D
Acq: 30 Jun 2017 21:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	21.5	15.8	23.6





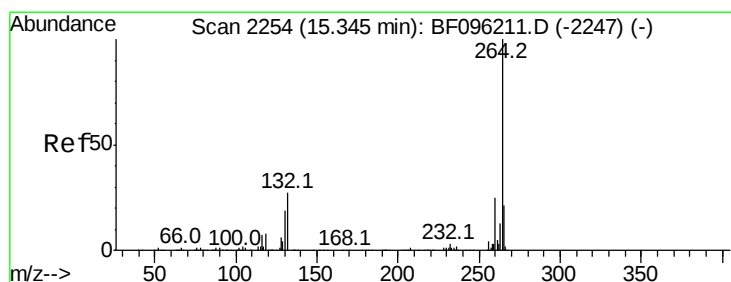
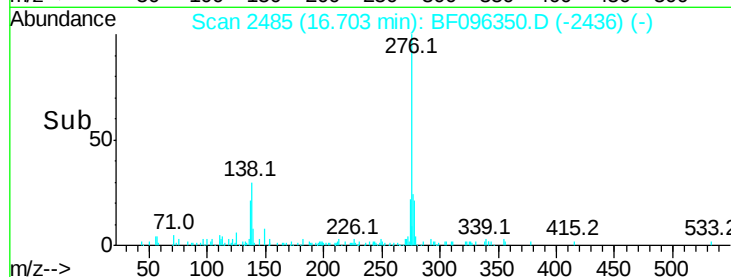
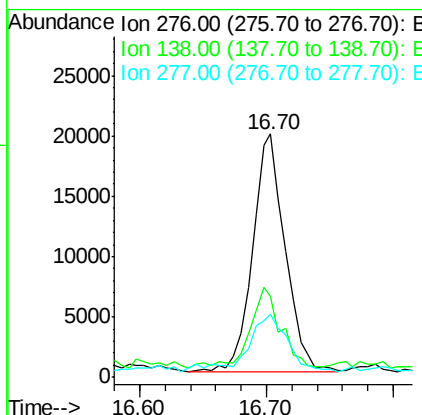
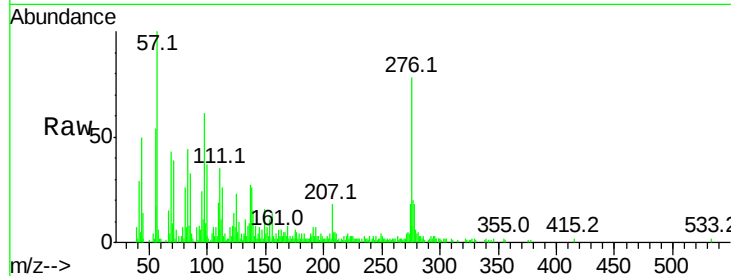
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.09 ng
RT: 16.70 min Scan# 2485
Delta R.T. -0.01 min
Lab File: BF096350.D
Acq: 30 Jun 2017 21:44

Instrument :
BNA_F
ClientSampleId :
G-57-1.5-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.3	27.8	41.6
277	26.8	20.2	30.4

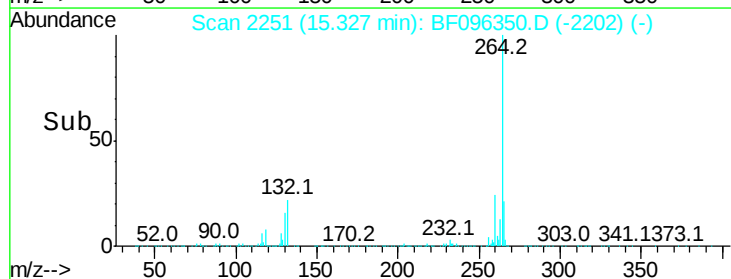
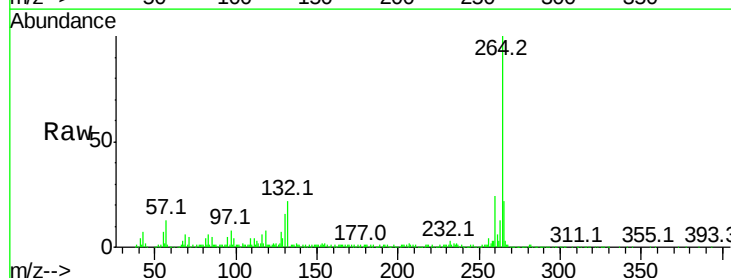
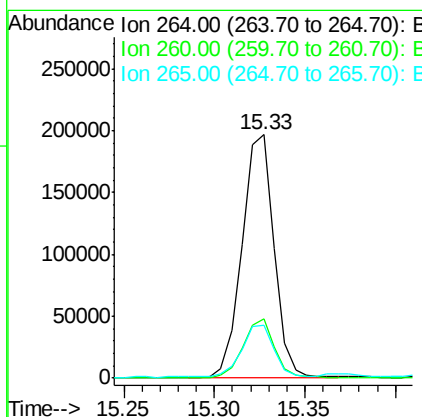
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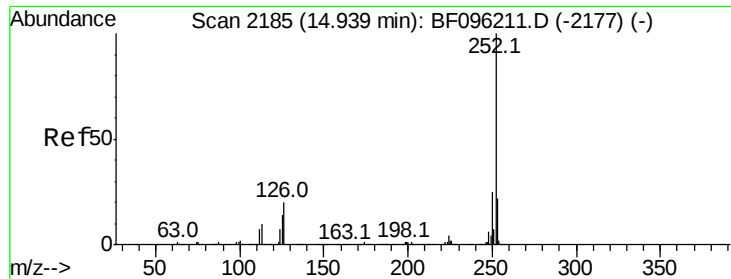
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.01 min
Lab File: BF096350.D
Acq: 30 Jun 2017 21:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 7.61 ng m

RT: 14.92 min Scan# 2181

Delta R.T. -0.04 min

Lab File: BF096350.D

Acq: 30 Jun 2017 21:44

Instrument :

BNA_F

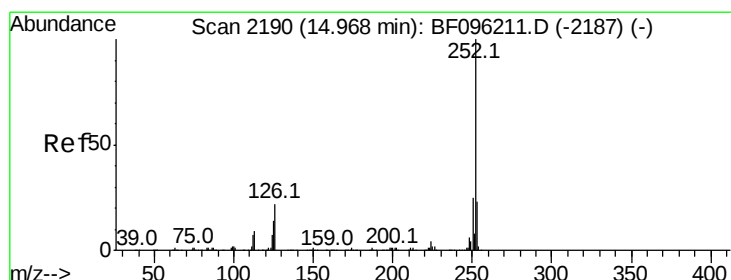
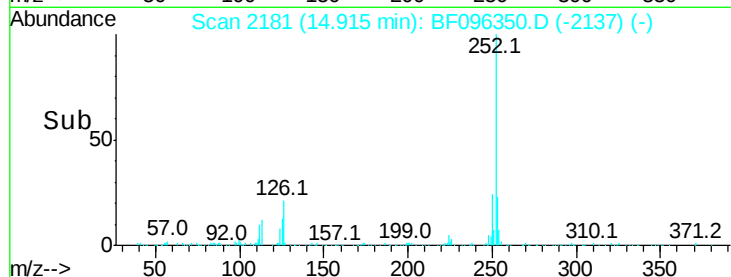
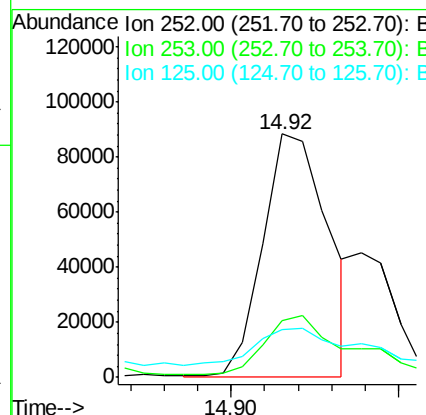
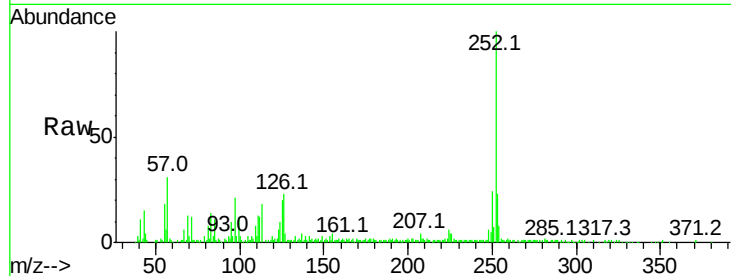
ClientSampleId :

G-57-1.5-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	19.6	9.8	14.8#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.68 ng m

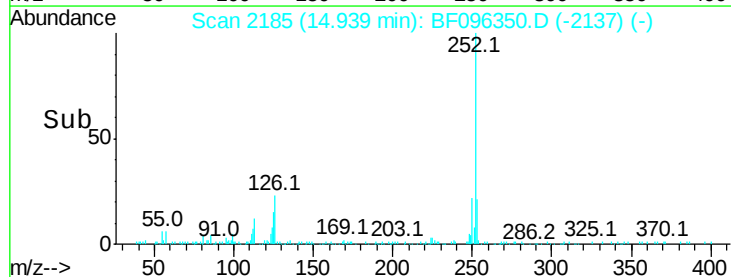
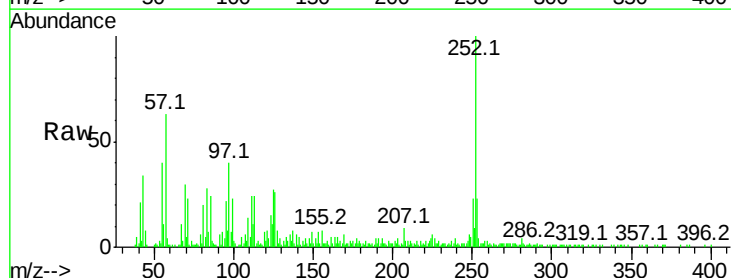
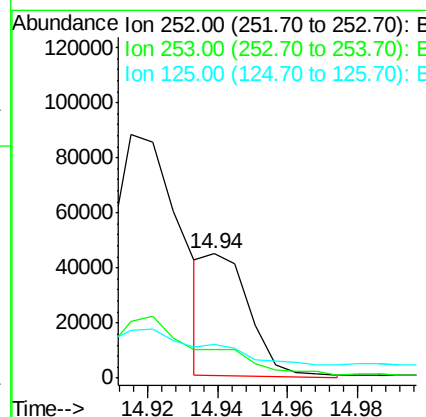
RT: 14.94 min Scan# 2185

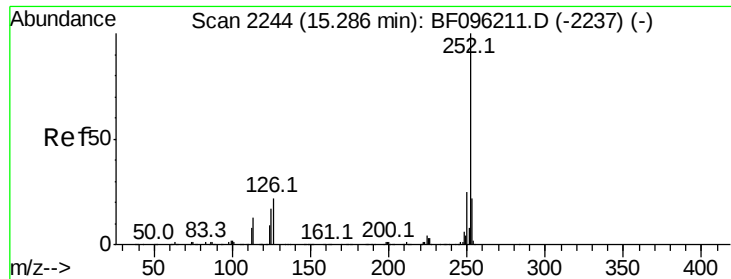
Delta R.T. -0.02 min

Lab File: BF096350.D

Acq: 30 Jun 2017 21:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	26.7	13.1	19.7#





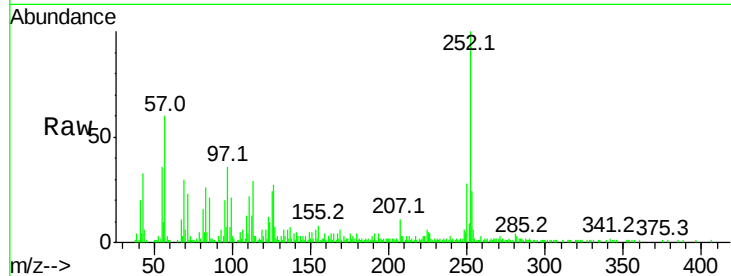
#89
Benzo(a)pyrene
Concen: 3.72 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF096350.D
Acq: 30 Jun 2017 21:44

Instrument :
BNA_F
ClientSampleId :
G-57-1.5-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	23.9	11.0	16.4

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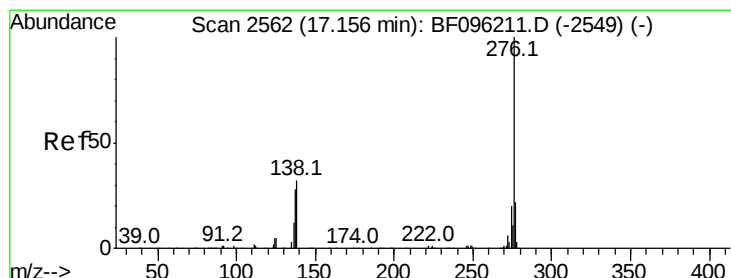
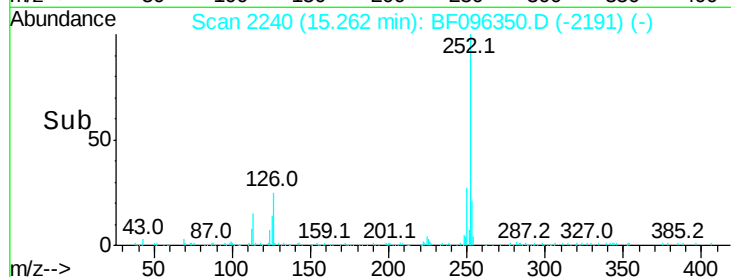
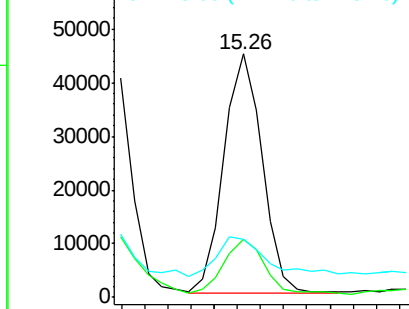


Abundance

Ion 252.00 (251.70 to 252.70): E

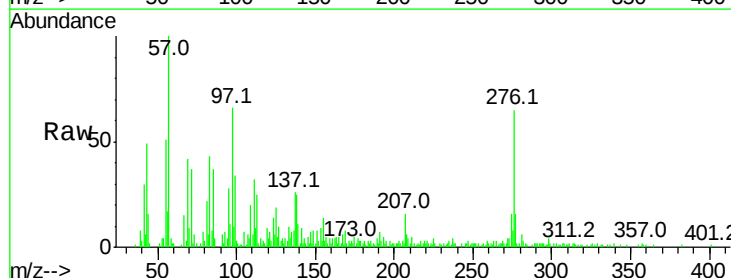
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.93 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.02 min
Lab File: BF096350.D
Acq: 30 Jun 2017 21:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.6	28.0
138	38.4	25.4	38.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

