

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070117\
 Data File : BF096403.D
 Acq On : 2 Jul 2017 2:36
 Operator : SJ/MA
 Sample : I3908-09 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-58-0-1.5

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Quant Time: Jul 03 04:17:18 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	139645	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	498849	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	183124	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	310917	20.00	ng	0.00
75) Chrysene-d12	13.87	240	286254	20.00	ng	0.00
86) Perylene-d12	15.29	264	190767	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	221200	23.38	ng	-0.01
7) Phenol-d6	6.36	99	250494	21.54	ng	-0.02
23) Nitrobenzene-d5	7.29	82	128988	15.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	34662	24.23	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	201488	18.81	ng	-0.01
78) Terphenyl-d14	12.83	244	182032	13.59	ng	0.00
Target Compounds						
70) Phenanthrene	11.27	178	70236	4.179	ng	Qvalue 97
74) Fluoranthene	12.45	202	124963	7.583	ng	97
77) Pyrene	12.68	202	115847	5.042	ng	97
80) Benzo(a)anthracene	13.86	228	61477	3.709	ng	94
82) Chrysene	13.90	228	63673m	3.668	ng	
87) Benzo(b)fluoranthene	14.89	252	74915m	6.267	ng	
88) Benzo(k)fluoranthene	14.91	252	25565m	2.391	ng	
89) Benzo(a)pyrene	15.22	252	37382	3.503	ng	# 89
91) Benzo(g,h,i)perylene	17.06	276	22821	2.623	ng	# 83

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

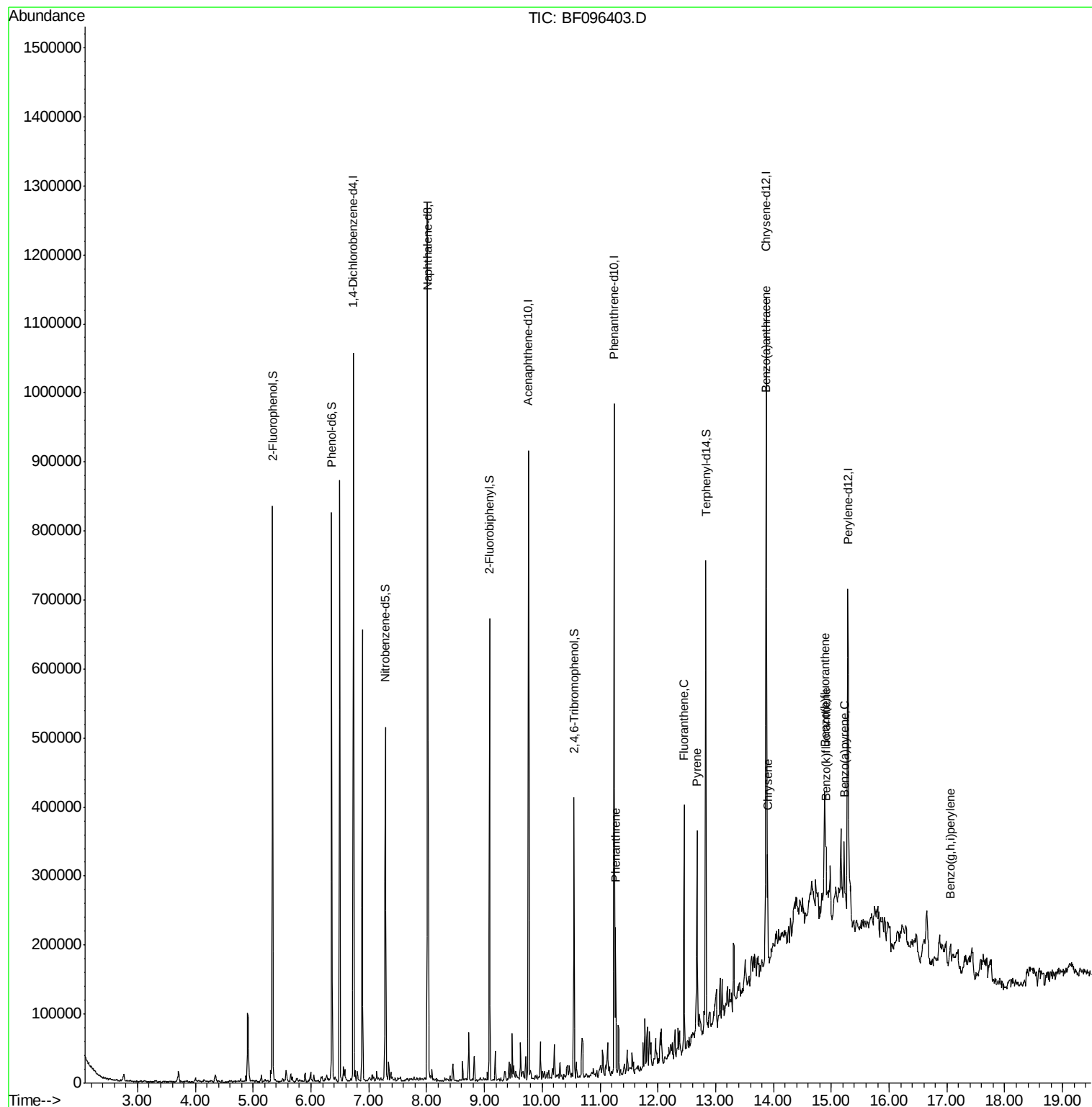
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070117\
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Misc :
ALS Vial : 26 Sample Multiplier: 1

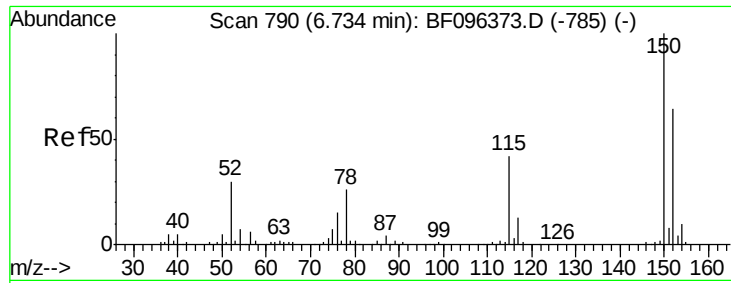
Instrument :
BNA_F
ClientSampleID :
G-58-0-1.5

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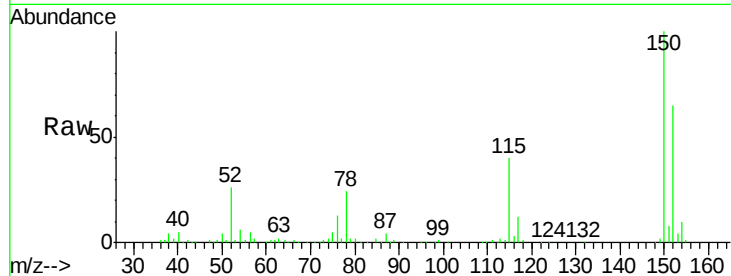
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: BF096403.D
 Acq: 2 Jul 2017 2:36

Instrument :
 BNA_F
 ClientSampleId :
 G-58-0-1.5

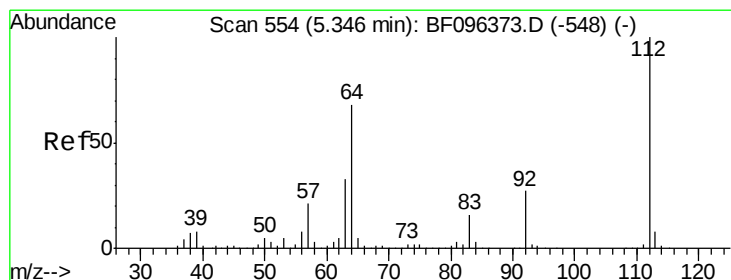
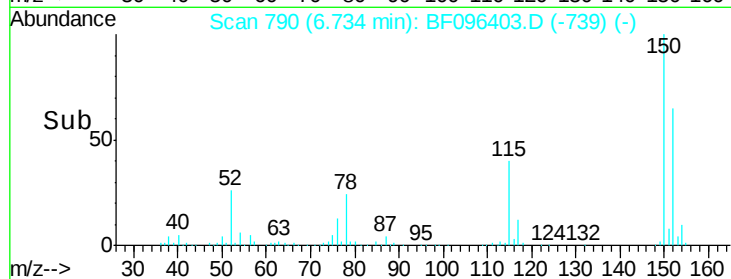
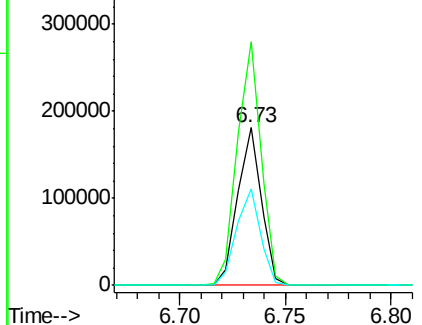
Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.2	189.2
115	61.5	52.2	78.2

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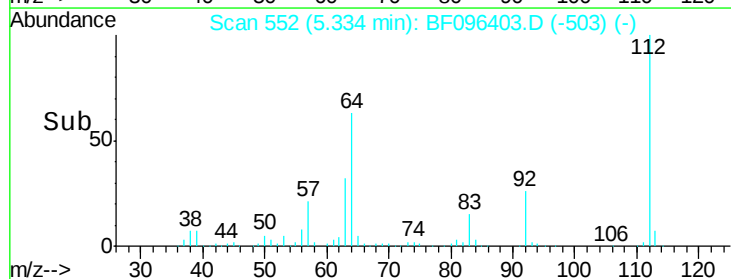
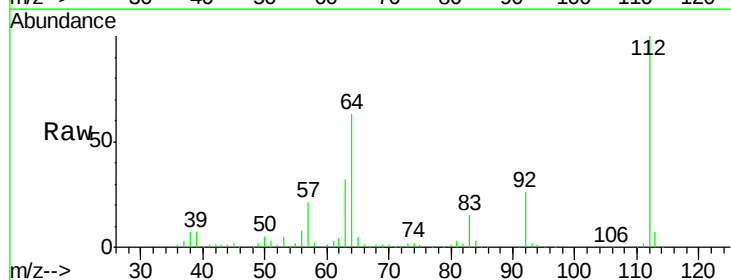
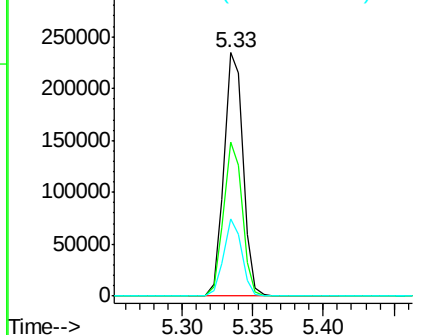
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 23.380 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF096403.D
 Acq: 2 Jul 2017 2:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	46.0	69.0
63	31.5	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: 21.536 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF096403.D

Acq: 2 Jul 2017 2:36

Instrument :

BNA_F

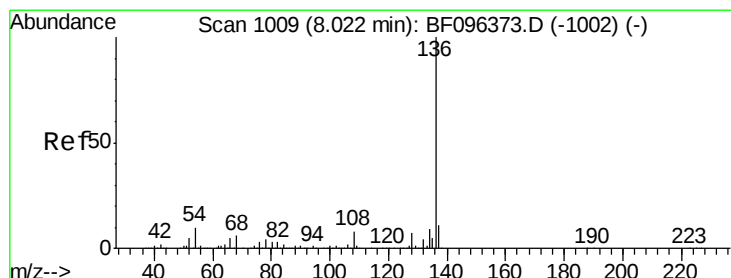
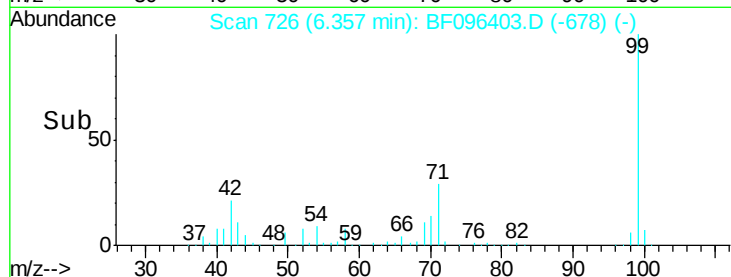
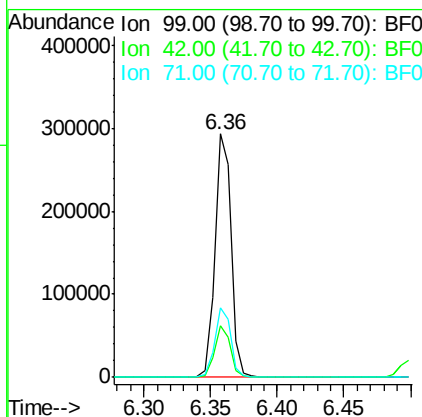
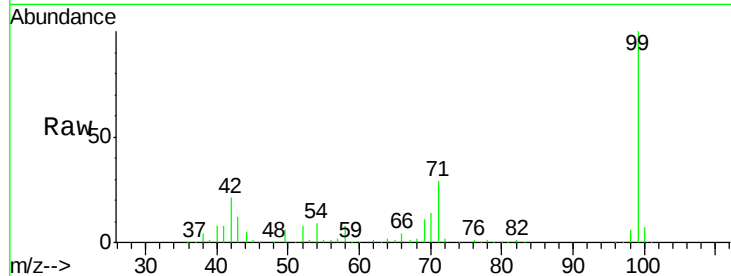
ClientSampleId :

G-58-0-1.5

Tgt Ion:	99	Resp:	250494
Ion Ratio	Lower	Upper	
99	100		
42	21.3	13.5	20.3#
71	28.8	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

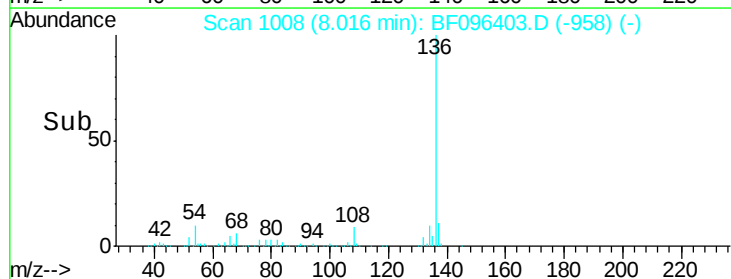
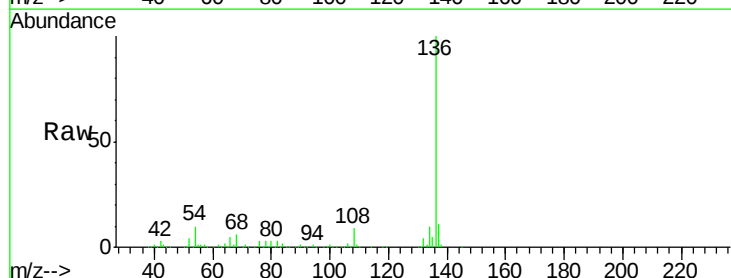
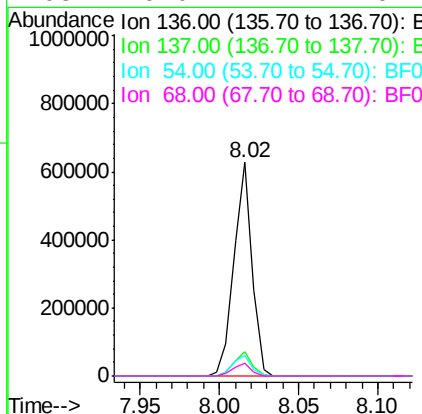
RT: 8.02 min Scan# 1008

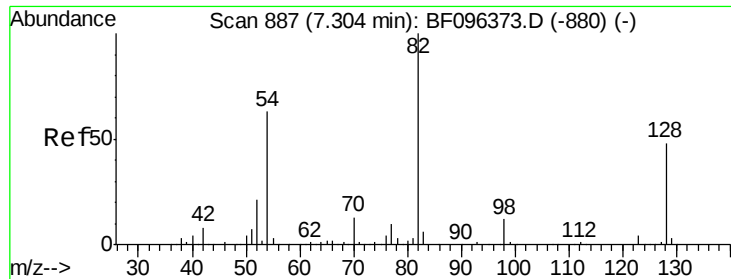
Delta R.T. -0.01 min

Lab File: BF096403.D

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Tgt Ion:	136	Resp:	498849
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	9.8	4.9	7.3#
68	6.0	4.1	6.1





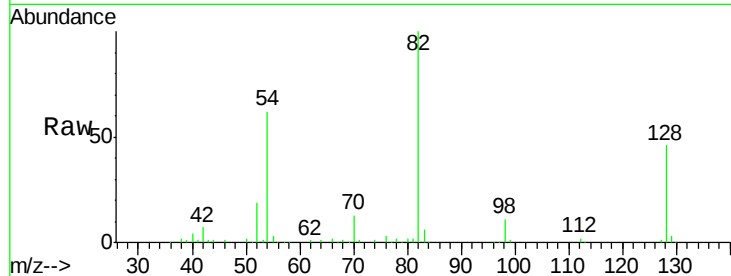
#23
Nitrobenzene-d5
Concen: 15.538 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF096403.D
Acq: 2 Jul 2017 2:36

Instrument :
BNA_F
ClientSampleId :
G-58-0-1.5

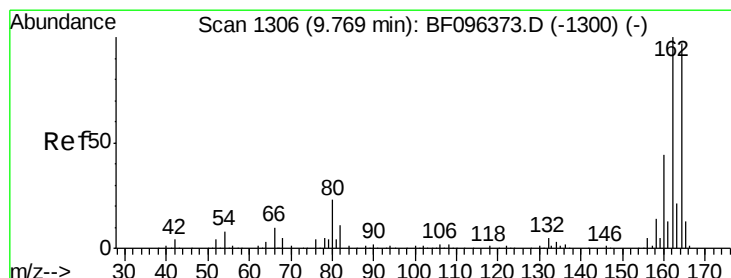
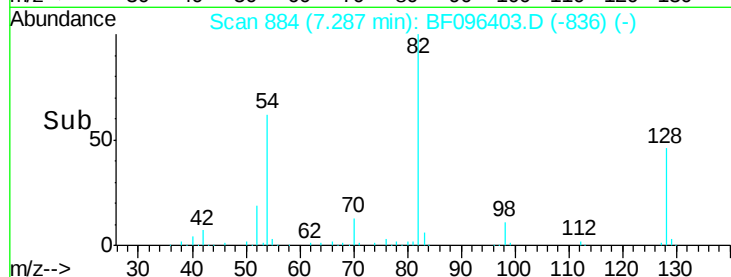
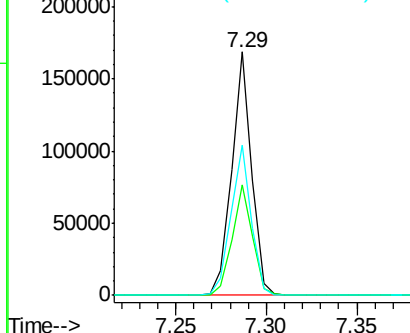
Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.5	34.0	51.0	
54	61.9	42.2	63.2	

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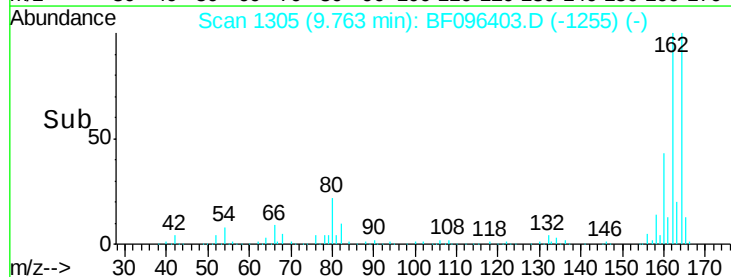
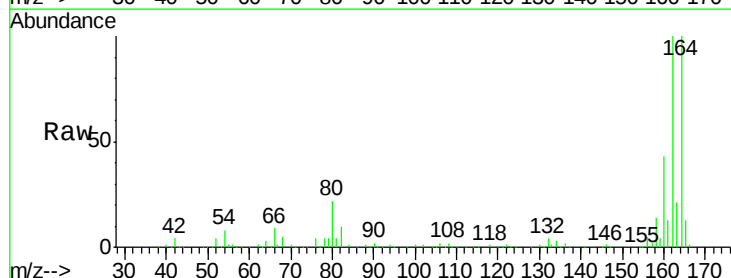
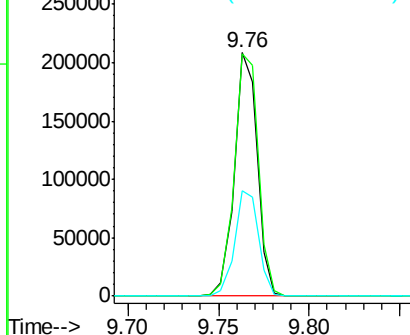
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

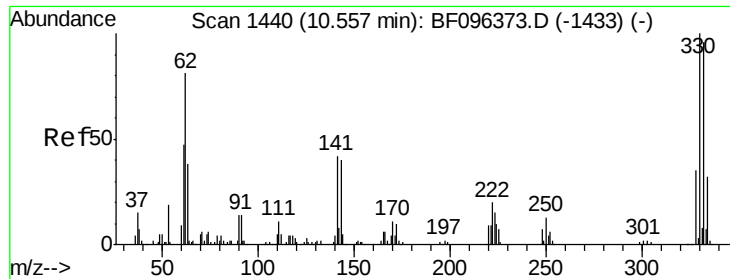


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF096403.D
Acq: 2 Jul 2017 2:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.5	82.6	123.8	
160	43.4	36.2	54.2	

Abundance Ion 164.00 (163.70 to 164.70): B
Ion 162.00 (161.70 to 162.70): B
Ion 160.00 (159.70 to 160.70): B





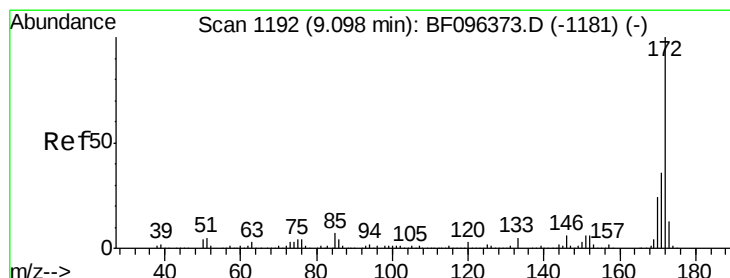
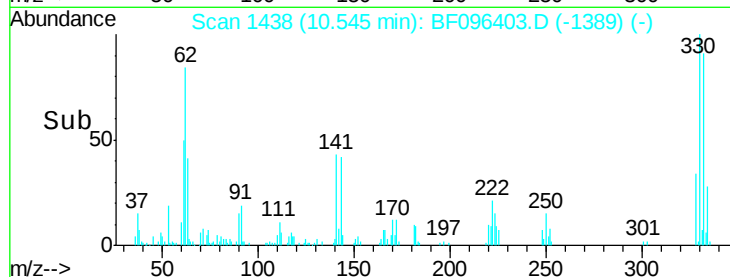
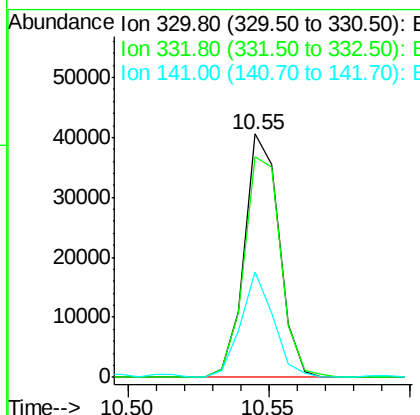
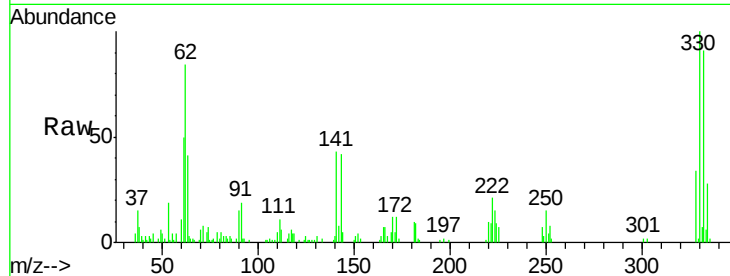
#41
 2,4,6-Tribromophenol
 Concen: 24.232 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF096403.D
 Acq: 2 Jul 2017 2:36

Instrument :
 BNA_F
 ClientSampled :
 G-58-0-1.5

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	115.0
141	40.9	31.4	47.2

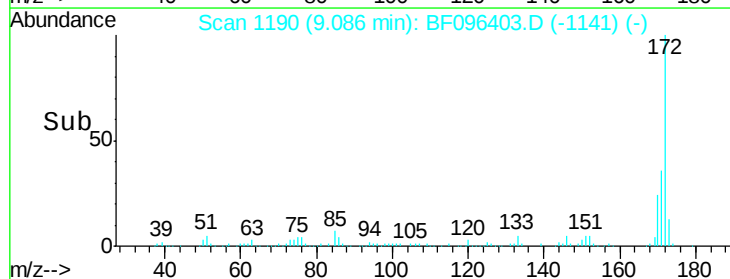
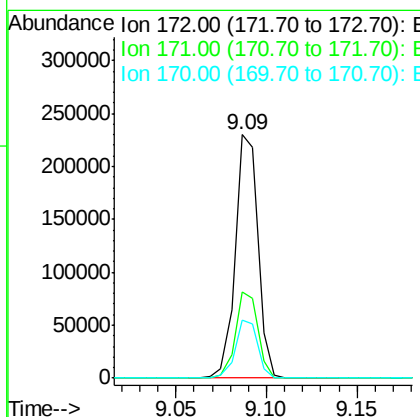
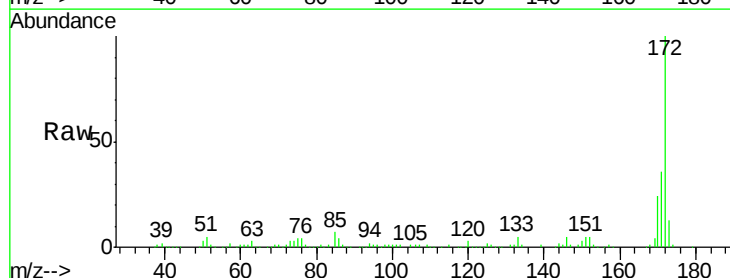
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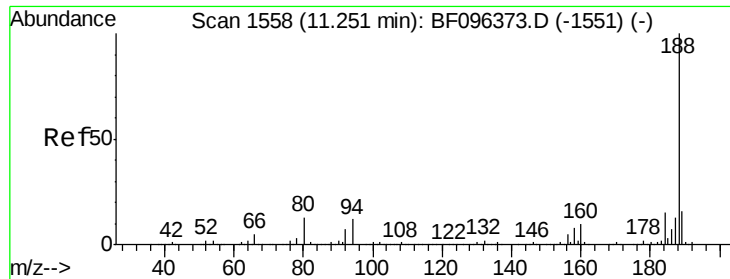
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#44
 2-Fluorobiphenyl
 Concen: 18.812 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF096403.D
 Acq: 2 Jul 2017 2:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	24.0	19.8	29.8





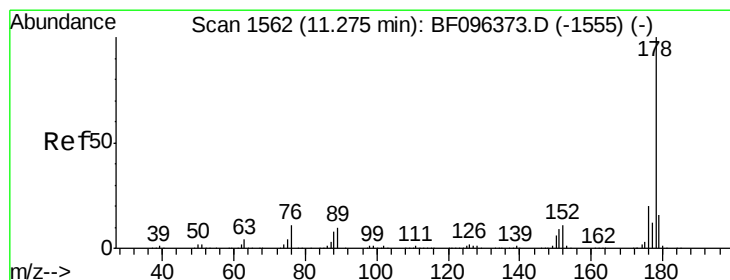
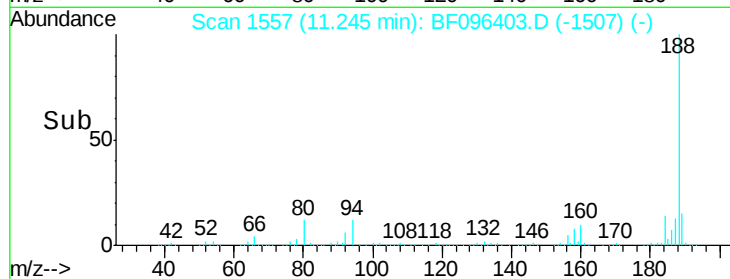
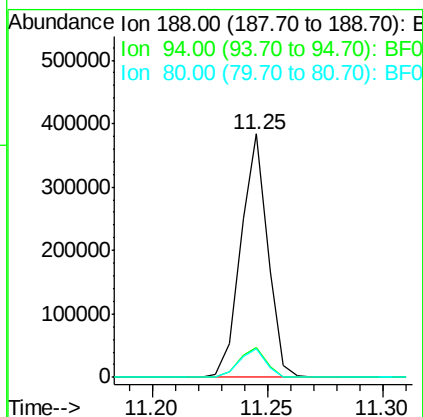
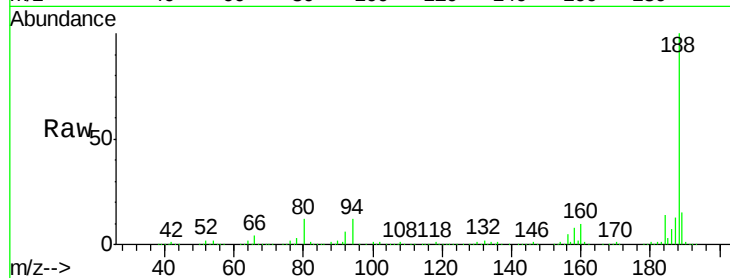
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF096403.D
 Acq: 2 Jul 2017 2:36

Instrument :
 BNA_F
 ClientSampleId :
 G-58-0-1.5

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.0	9.4	14.2
80	11.9	10.2	15.2

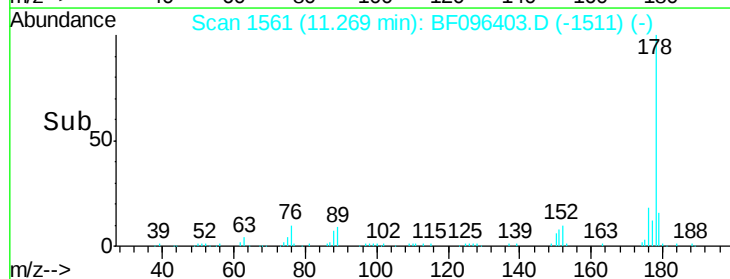
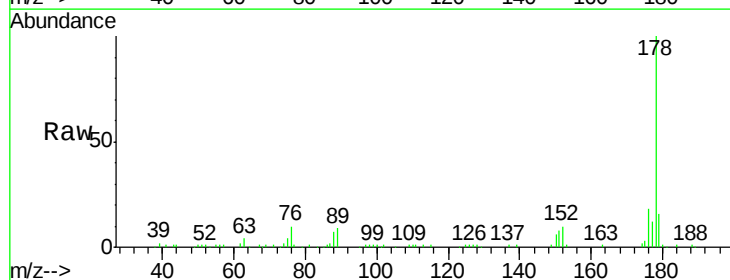
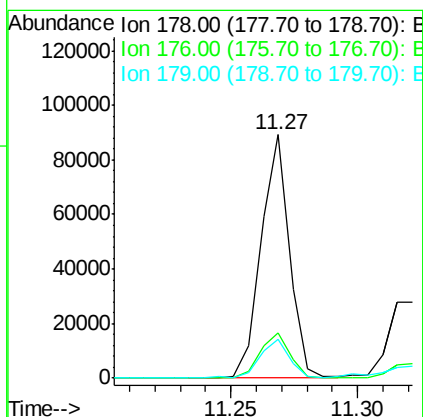
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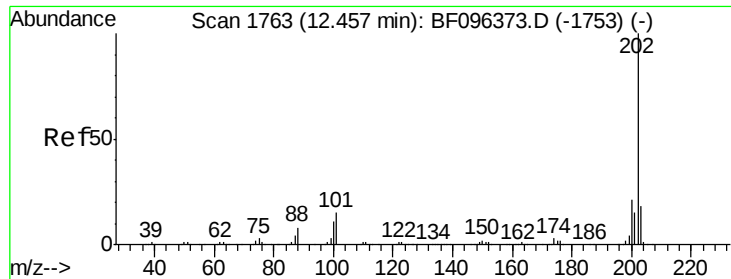
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#70
 Phenanthrene
 Concen: 4.179 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF096403.D
 Acq: 2 Jul 2017 2:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.4	16.2	24.4
179	16.0	12.6	19.0





#74

Fluoranthene

Concen: 7.583 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF096403.D

Acq: 2 Jul 2017 2:36

Instrument :

BNA_F

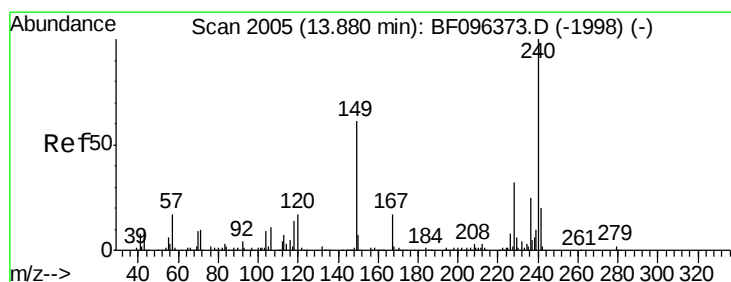
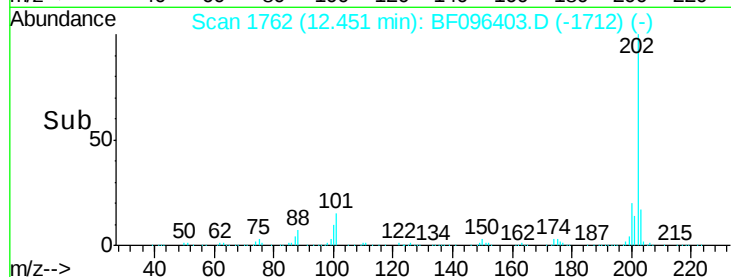
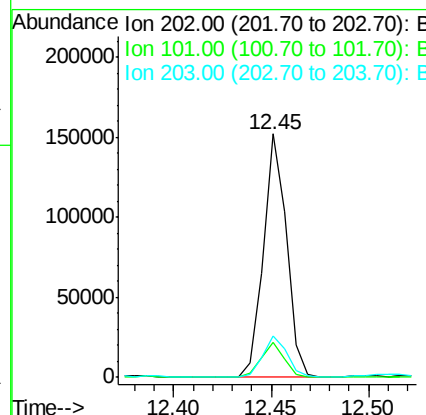
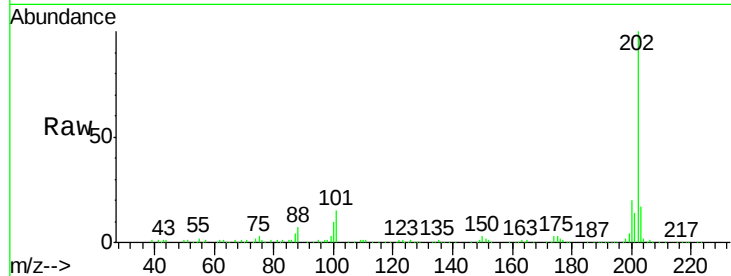
ClientSampleId :

G-58-0-1.5

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.6	0.0	33.2
203	17.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

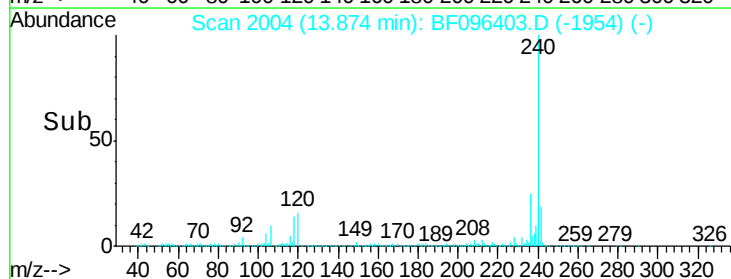
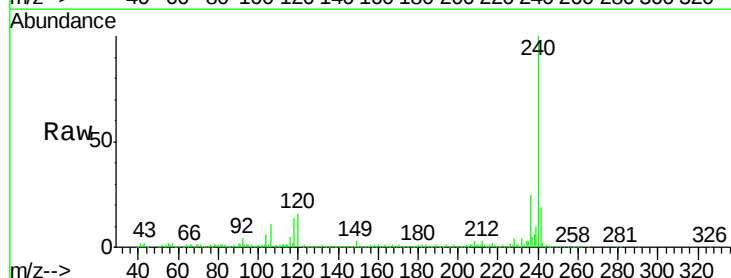
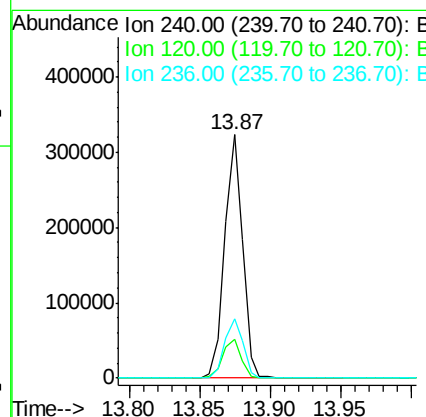
RT: 13.87 min Scan# 2004

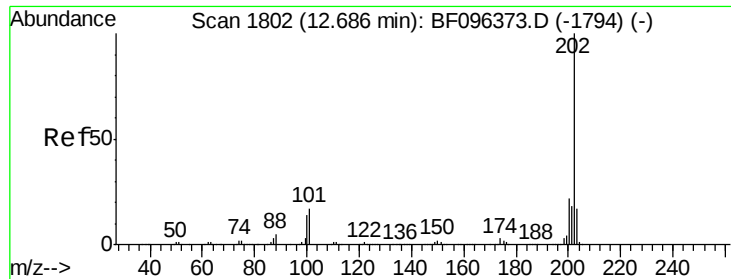
Delta R.T. -0.01 min

Lab File: BF096403.D

Acq: 2 Jul 2017 2:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	16.1	5.8	8.8#
236	24.6	20.5	30.7





#77

Pyrene

Concen: 5.042 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF096403.D

Acq: 2 Jul 2017 2:36

Instrument :

BNA_F

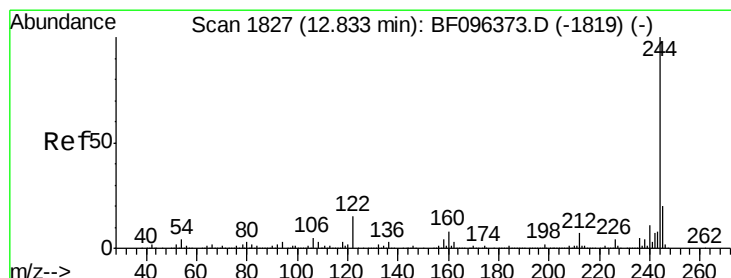
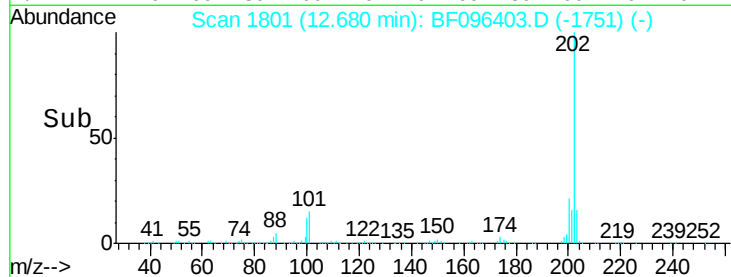
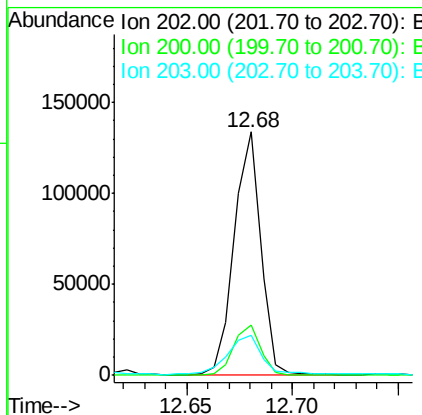
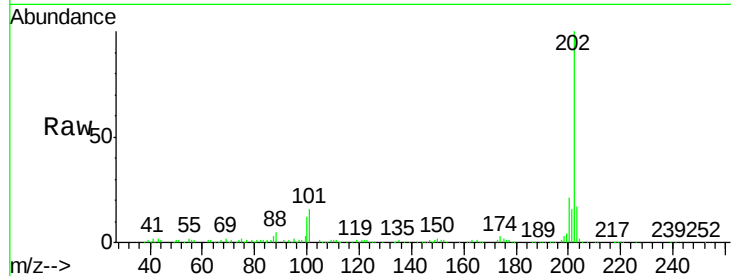
ClientSampleId :

G-58-0-1.5

Tgt Ion:	202	Resp:	115847
Ion Ratio		Lower	Upper
202	100		
200	20.6	17.6	26.4
203	16.7	14.4	21.6

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#78

Terphenyl-d14

Concen: 13.588 ng

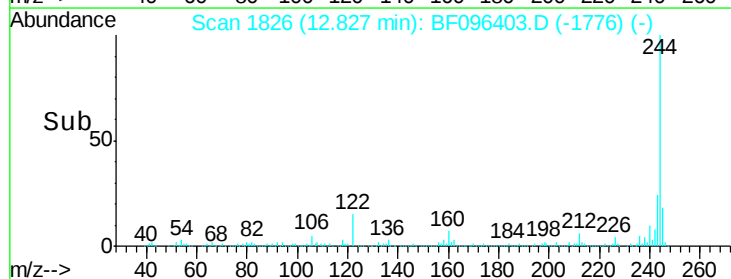
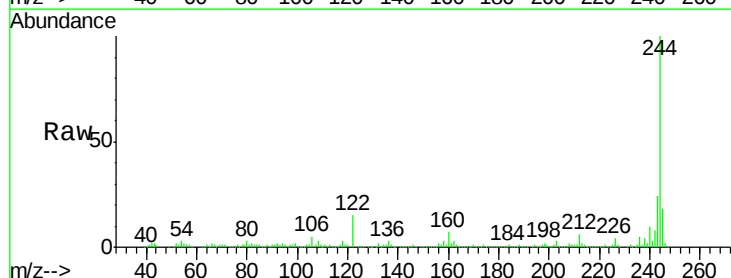
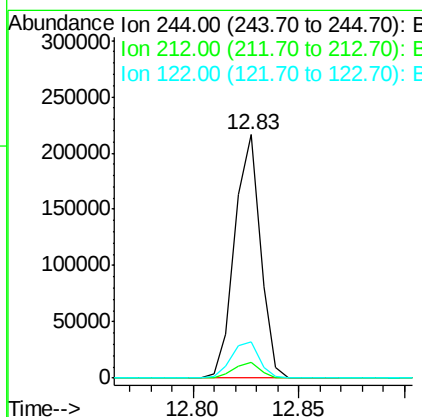
RT: 12.83 min Scan# 1826

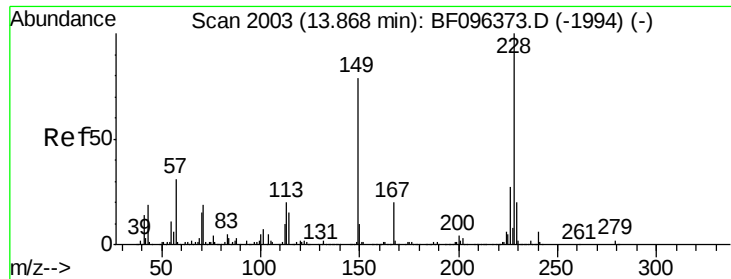
Delta R.T. -0.01 min

Lab File: BF096403.D

Acq: 2 Jul 2017 2:36

Tgt Ion:	244	Resp:	182032
Ion Ratio		Lower	Upper
244	100		
212	6.3	6.0	9.0
122	14.9	10.3	15.5





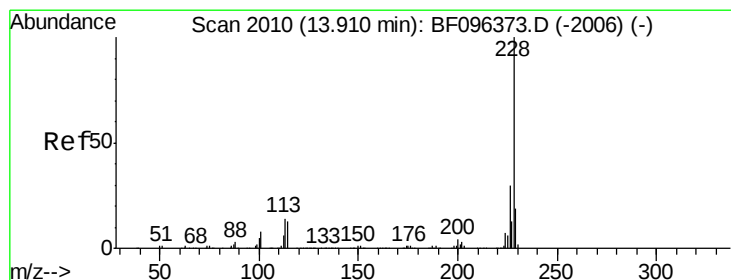
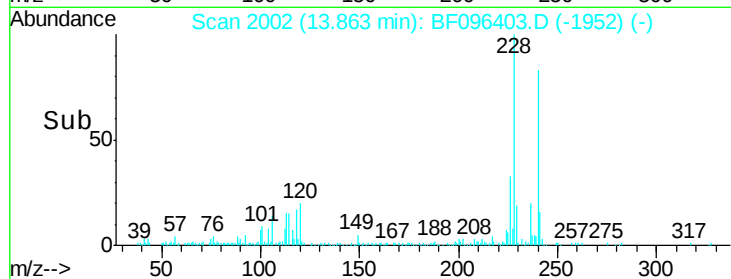
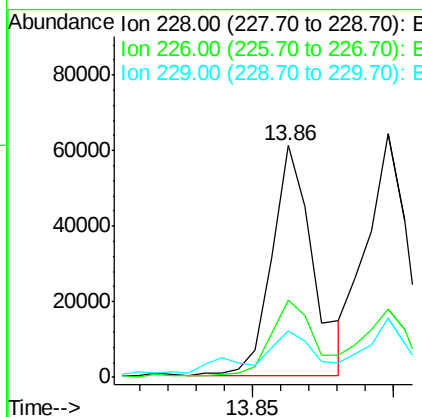
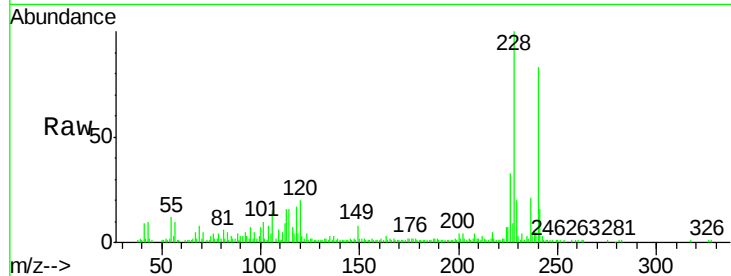
#80
Benzo(a)anthracene
Concen: 3.709 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF096403.D
Acq: 2 Jul 2017 2:36

Instrument :
BNA_F
ClientSampleId :
G-58-0-1.5

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.6	33.8
229	20.2	16.3	24.5

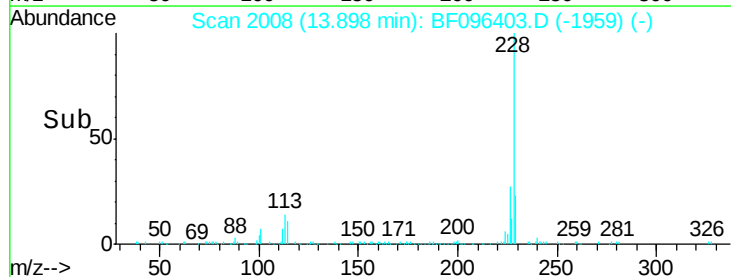
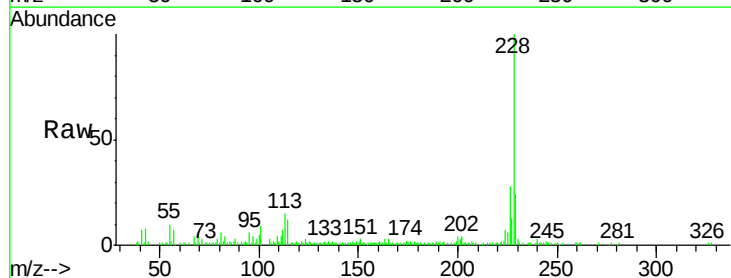
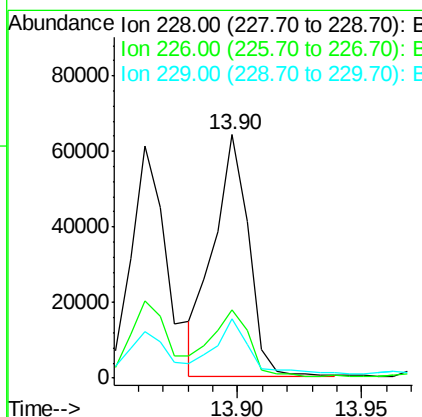
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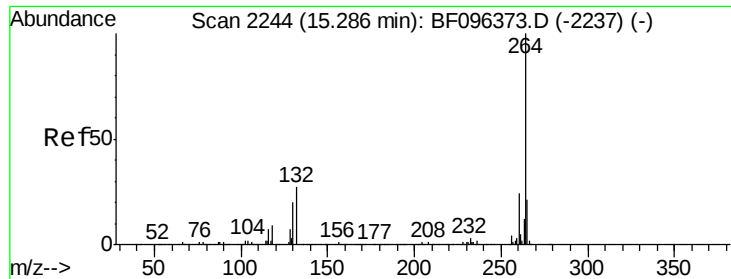
mohammad
7/3/2017 4:04:00 PM



#82
Chrysene
Concen: 3.668 ng m
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF096403.D
Acq: 2 Jul 2017 2:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	24.9	37.3
229	24.5	15.8	23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.00 min

Lab File: BF096403.D

Acq: 2 Jul 2017 2:36

Instrument :

BNA_F

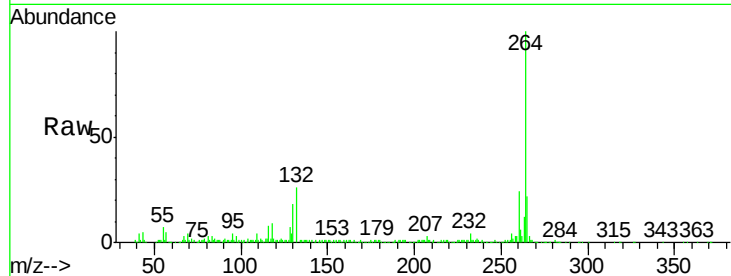
ClientSampleId :

G-58-0-1.5

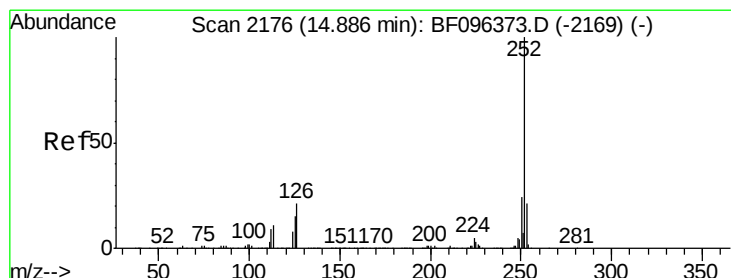
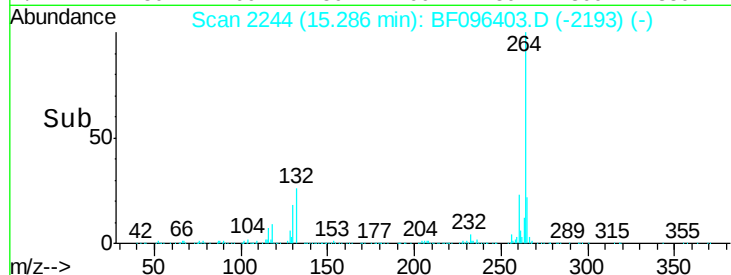
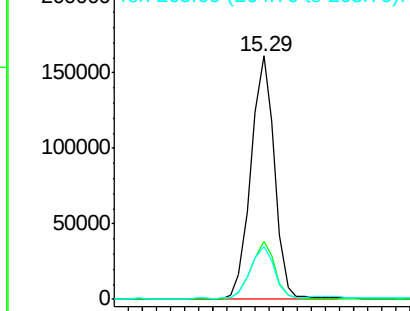
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.7	17.2	25.8

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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: 6.267 ng m

RT: 14.89 min Scan# 2176

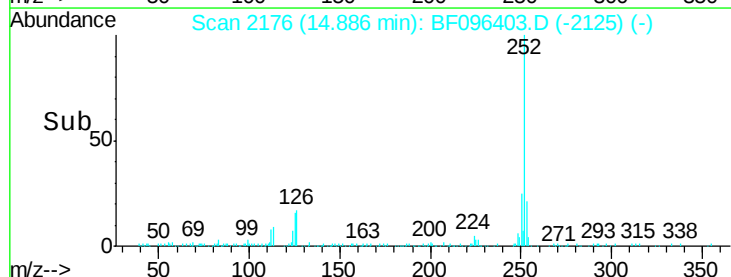
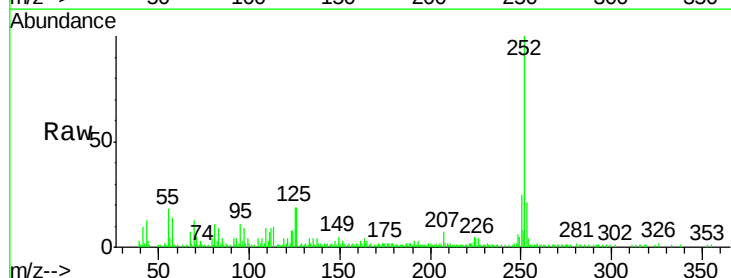
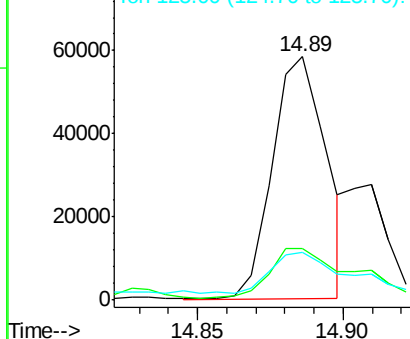
Delta R.T. 0.00 min

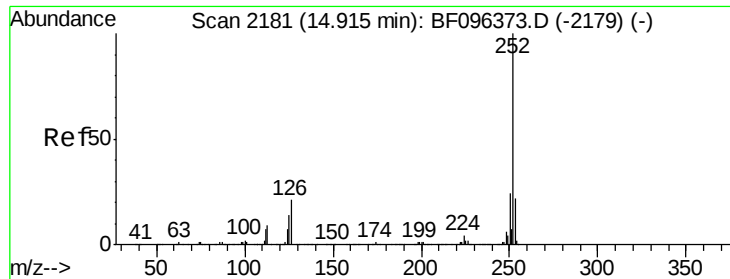
Lab File: BF096403.D

Acq: 2 Jul 2017 2:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.1	27.1
125	19.4	9.8	14.8#

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





#88

Benzo(k)fluoranthene

Concen: 2.391 ng m

RT: 14.91 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF096403.D

Acq: 2 Jul 2017 2:36

Instrument :

BNA_F

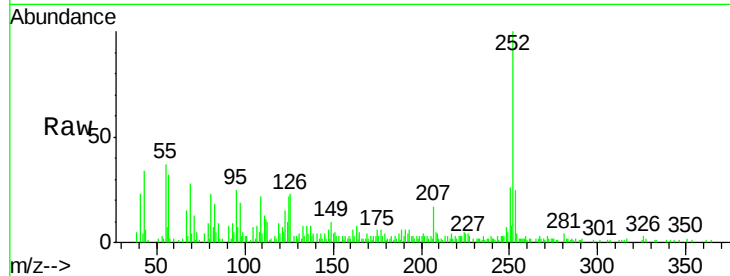
ClientSampleId :

G-58-0-1.5

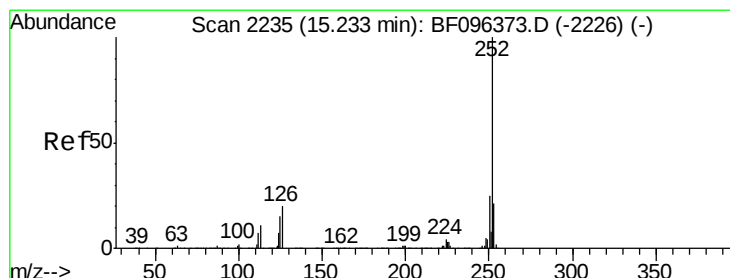
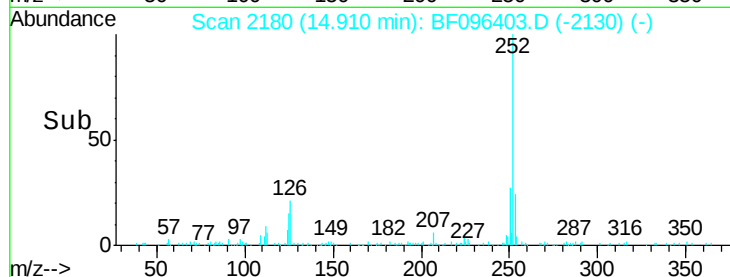
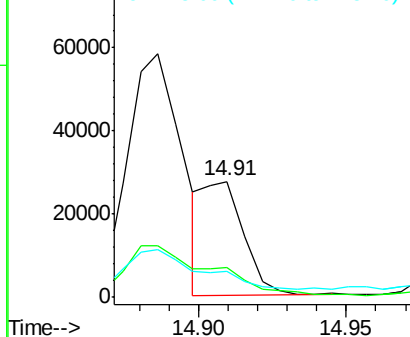
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	25565		
253	25.3	18.4	27.6	
125	22.1	13.1	19.7	

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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



#89

Benzo(a)pyrene

Concen: 3.503 ng

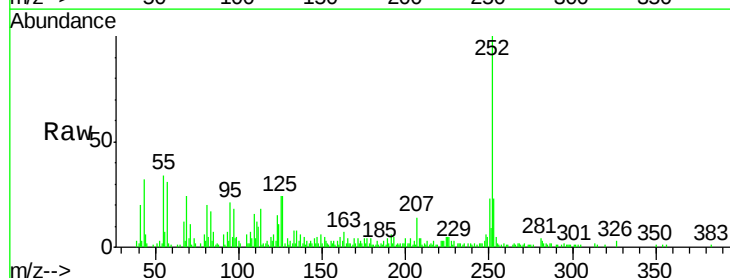
RT: 15.22 min Scan# 2233

Delta R.T. -0.01 min

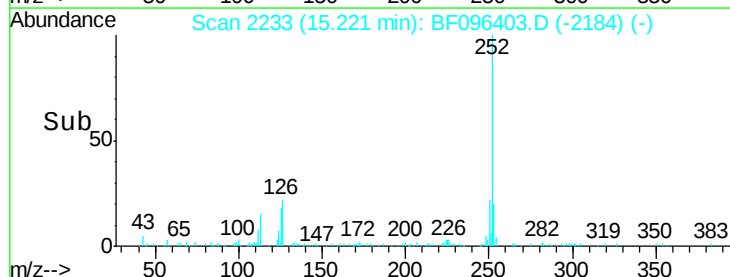
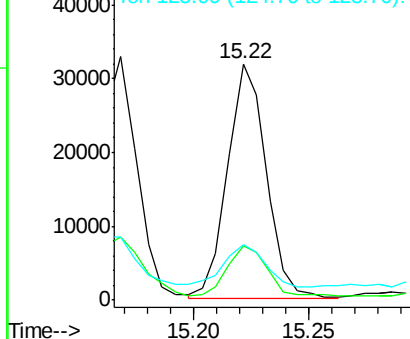
Lab File: BF096403.D

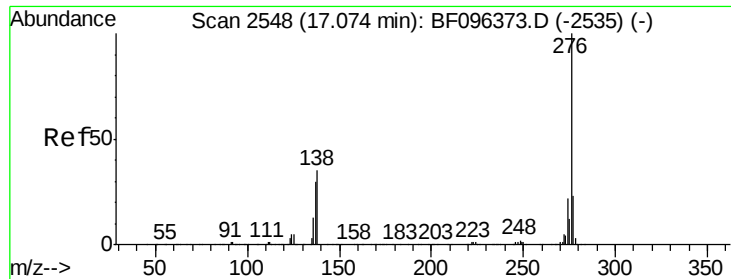
Acq: 2 Jul 2017 2:36

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	37382		
253	23.0	17.5	26.3	
125	23.7	11.0	16.4	



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





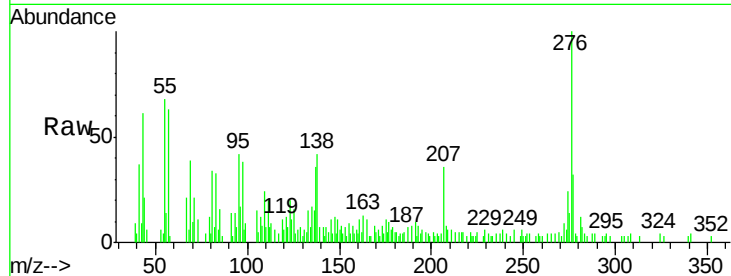
#91
 Benzo(g,h,i)perylene
 Concen: 2.623 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. -0.01 min
 Lab File: BF096403.D
 Acq: 2 Jul 2017 2:36

Instrument :
 BNA_F
 ClientSampleId :
 G-58-0-1.5

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	31.6	18.6	28.0#
138	41.6	25.4	38.0#

Manual Integrations
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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

