

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
 Data File : BF084937.D
 Acq On : 8 Feb 2016 19:15
 Operator : SJ/IZ
 Sample : H1329-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B010(0-2)

Manual Integrations
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Quant Time: Feb 09 03:47:47 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	170473	20.00	ng	-0.03
21) Naphthalene-d8	7.94	136	686057	20.00	ng	-0.03
38) Acenaphthene-d10	9.69	164	285398	20.00	ng	-0.05
63) Phenanthrene-d10	11.16	188	454519	20.00	ng	-0.05
75) Chrysene-d12	13.79	240	300236	20.00	ng	-0.05
86) Perylene-d12	15.16	264	274979	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	991560	90.60	ng	-0.03
7) Phenol-d6	6.30	99	1246338	91.86	ng	-0.03
23) Nitrobenzene-d5	7.22	82	777298	63.82	ng	-0.05
41) 2,4,6-Tribromophenol	10.48	330	216070	72.58	ng	-0.05
44) 2-Fluorobiphenyl	9.01	172	1239166	68.58	ng	-0.05
78) Terphenyl-d14	12.75	244	902063	68.08	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.41	163	473853	21.80	ng	# 90
70) Phenanthrene	11.19	178	413511	16.40	ng	99
71) Anthracene	11.23	178	104884	4.13	ng	98
74) Fluoranthene	12.37	202	608305	23.84	ng	94
77) Pyrene	12.59	202	558500	24.30	ng	97
80) Benzo(a)anthracene	13.78	228	273940	14.70	ng	98
82) Chrysene	13.81	228	189192m	10.47	ng	
85) Indeno(1,2,3-cd)pyrene	16.43	276	107754	7.58	ng	97
87) Benzo(b)fluoranthene	14.79	252	233412m	12.63	ng	
88) Benzo(k)fluoranthene	14.80	252	108503m	7.10	ng	
89) Benzo(a)pyrene	15.11	252	193693	12.30	ng	# 93
90) Dibenzo(a,h)anthracene	16.43	278	33403	2.52	ng	# 84
91) Benzo(g,h,i)perylene	16.81	276	101510	7.60	ng	96

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

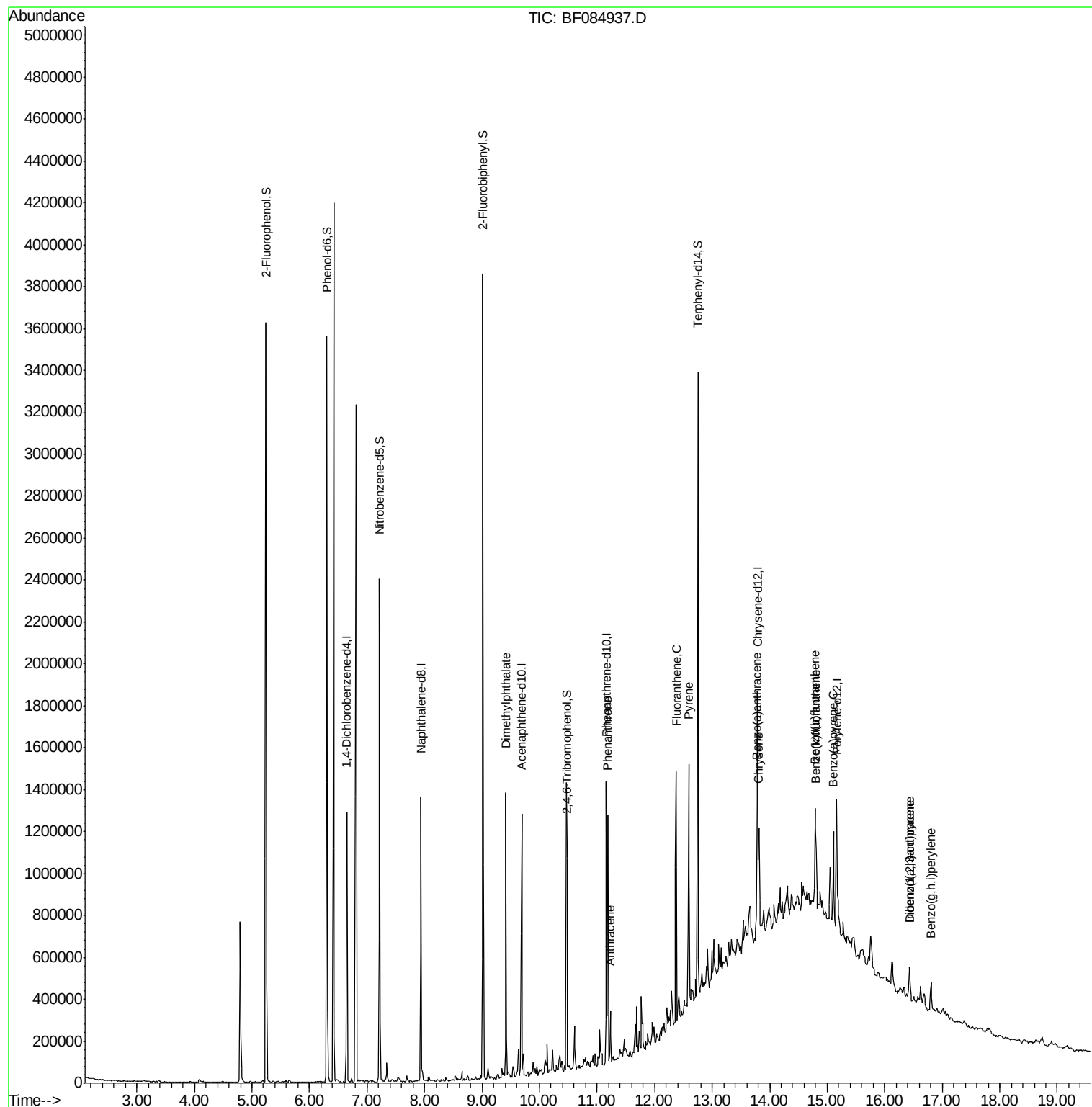
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084937.D
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ALS Vial : 12 Sample Multiplier: 1

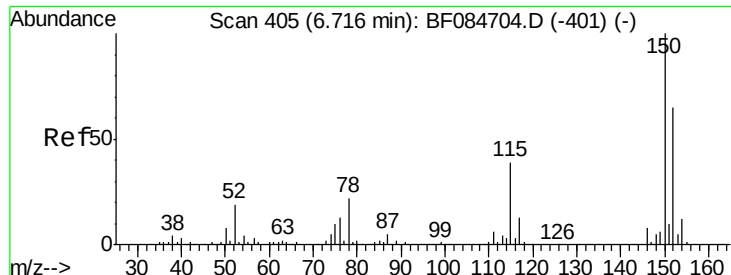
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 14:16:01 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 399

Delta R.T. -0.03 min

Lab File: BF084937.D

Acq: 8 Feb 2016 19:15

Instrument :

BNA_F

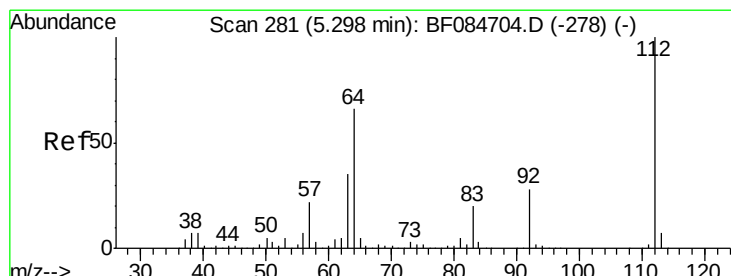
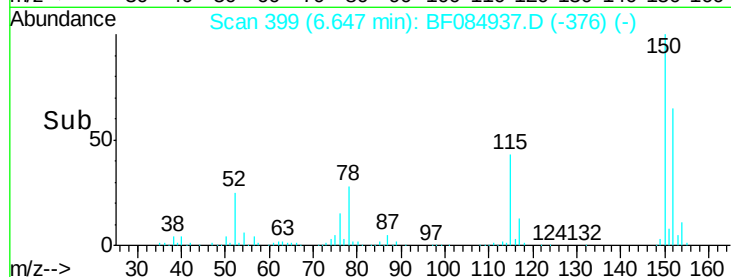
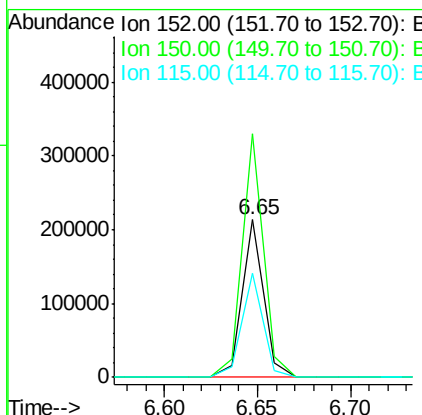
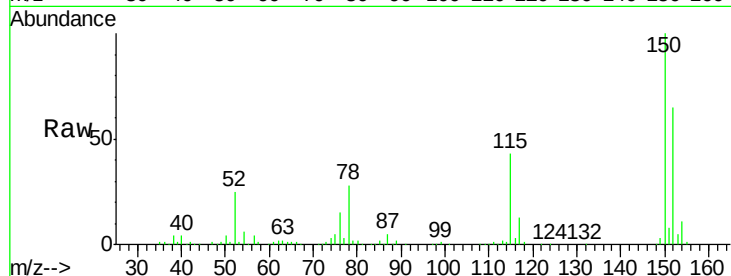
ClientSampleId :

S4-B010(0-2)

Tgt Ion:	152	Resp:	170473
Ion Ratio	Lower	Upper	
152	100		
150	154.4	123.0	184.4
115	65.9	51.4	77.2

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#5

2-Fluorophenol

Concen: 90.60 ng

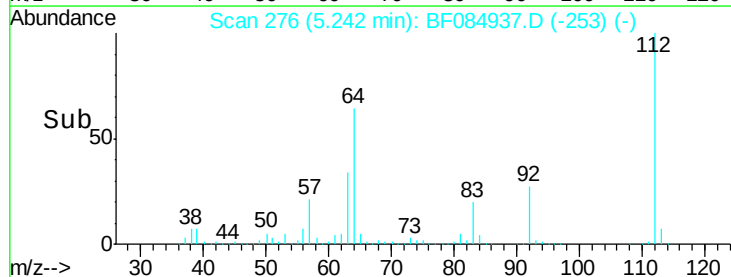
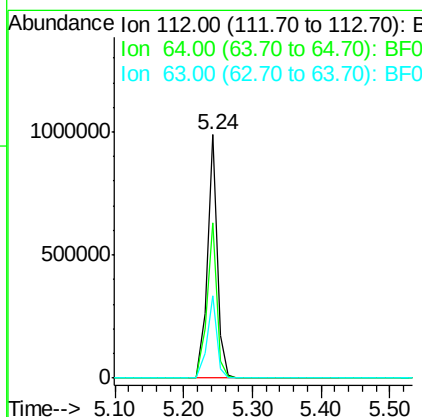
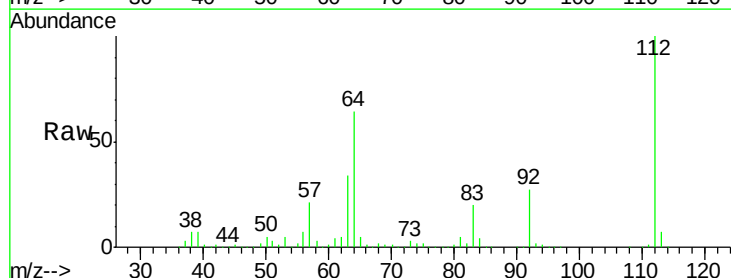
RT: 5.24 min Scan# 276

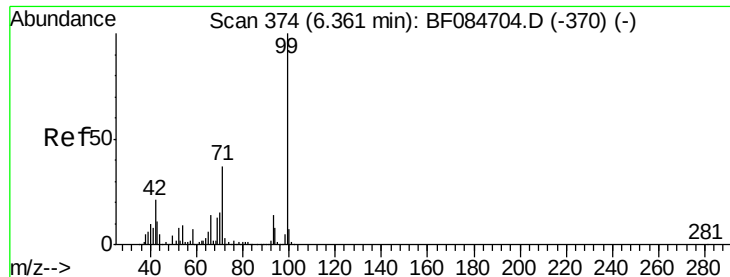
Delta R.T. -0.03 min

Lab File: BF084937.D

Acq: 8 Feb 2016 19:15

Tgt Ion:	112	Resp:	991560
Ion Ratio	Lower	Upper	
112	100		
64	63.7	36.6	55.0#
63	33.7	19.4	29.0#





#7

Phenol-d6

Concen: 91.86 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084937.D

Acq: 8 Feb 2016 19:15

Instrument :

BNA_F

ClientSampleId :

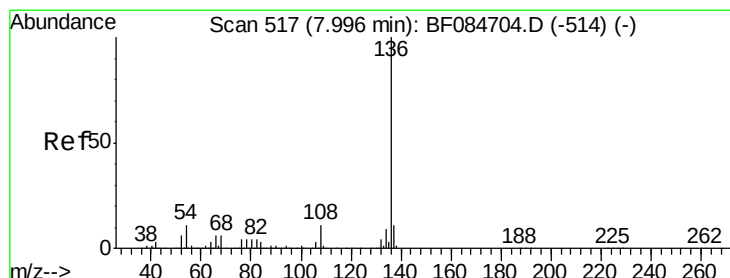
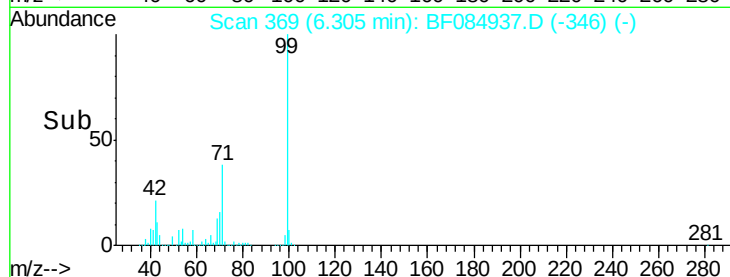
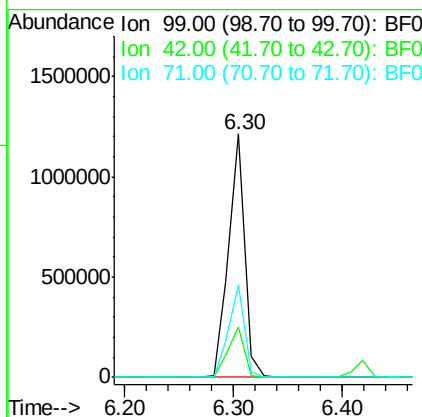
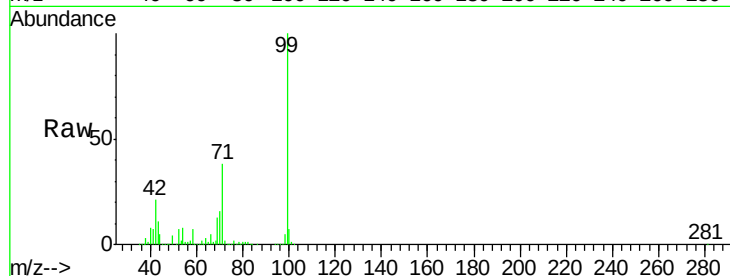
S4-B010(0-2)

Tgt Ion: 99 Resp: 1246338

Ion	Ratio	Lower	Upper
99	100		
42	20.8	12.8	19.2#
71	37.8	30.9	46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 512

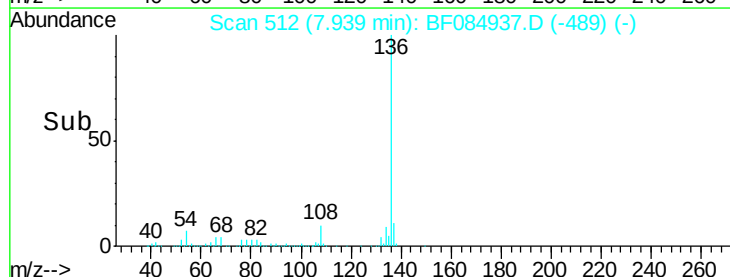
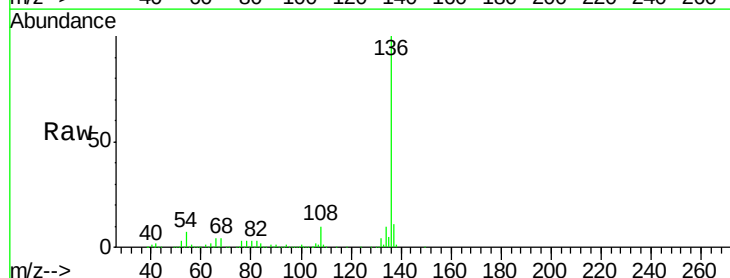
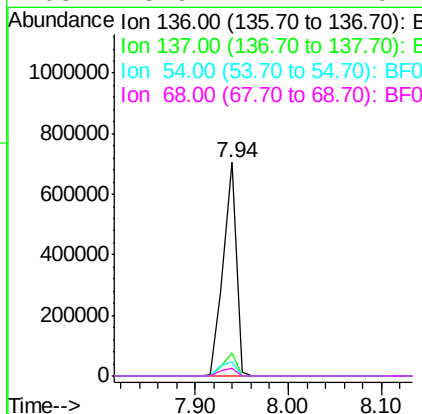
Delta R.T. -0.03 min

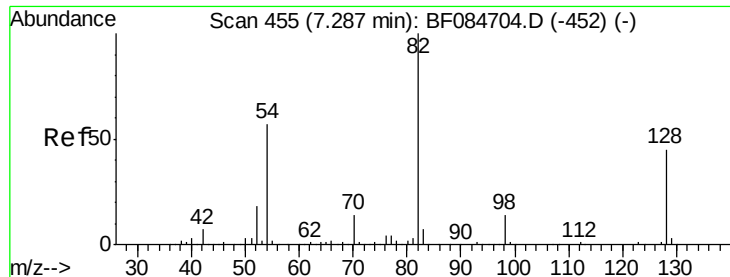
Lab File: BF084937.D

Acq: 8 Feb 2016 19:15

Tgt Ion: 136 Resp: 686057

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	6.6	5.8	8.8
68	3.9	4.2	6.2#





#23

Nitrobenzene-d5

Concen: 63.82 ng

RT: 7.22 min Scan# 449

Delta R.T. -0.05 min

Lab File: BF084937.D

Acq: 8 Feb 2016 19:15

Instrument :

BNA_F

ClientSampleId :

S4-B010(0-2)

Tgt Ion: 82 Resp: 777298

Ion Ratio Lower Upper

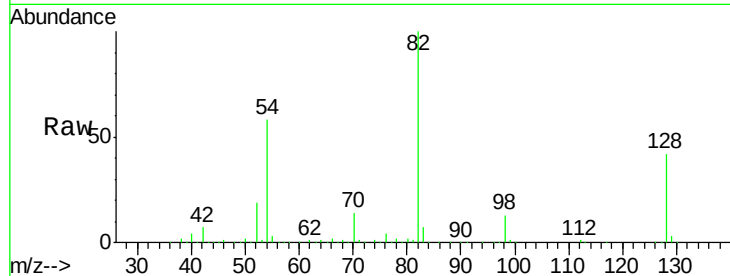
82 100

128 41.8 34.6 51.8

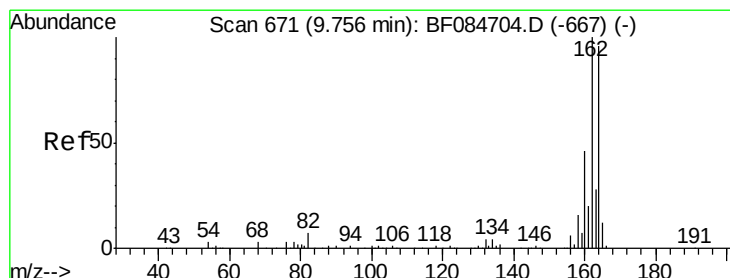
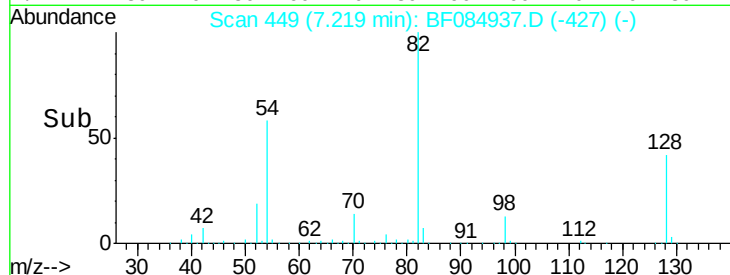
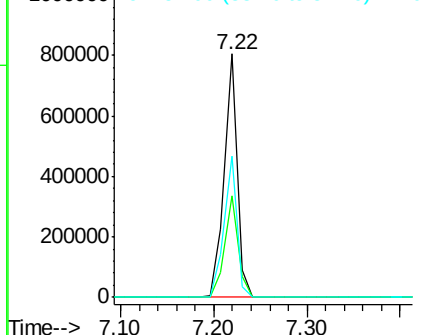
54 58.3 38.4 57.6#

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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: 20.00 ng

RT: 9.69 min Scan# 665

Delta R.T. -0.05 min

Lab File: BF084937.D

Acq: 8 Feb 2016 19:15

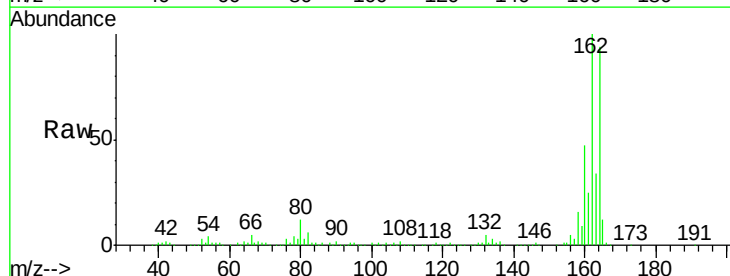
Tgt Ion: 164 Resp: 285398

Ion Ratio Lower Upper

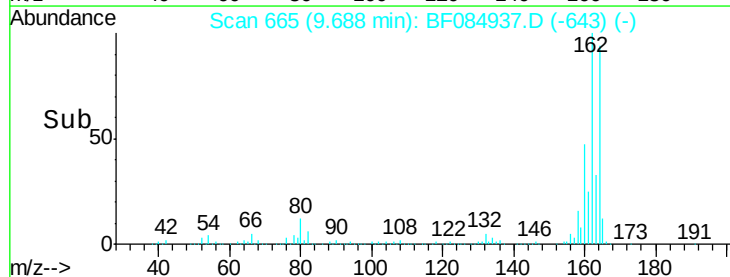
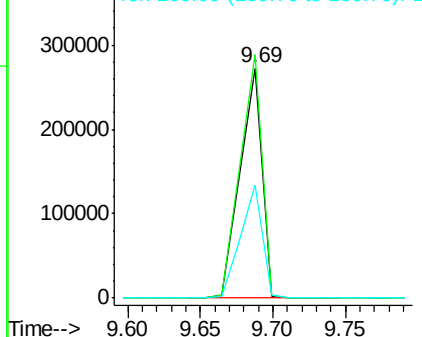
164 100

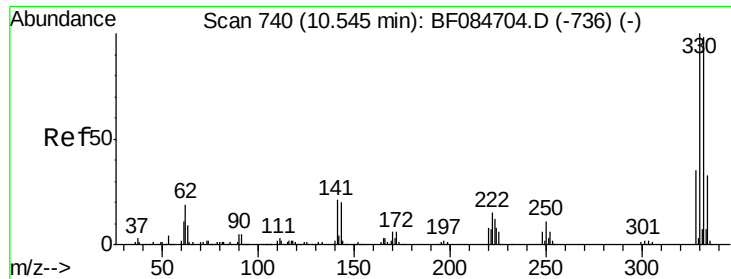
162 106.1 85.1 127.7

160 49.4 37.5 56.3



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





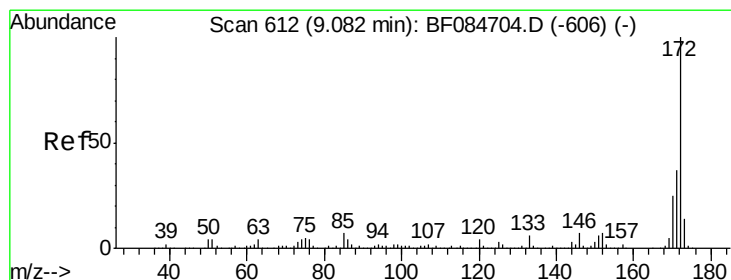
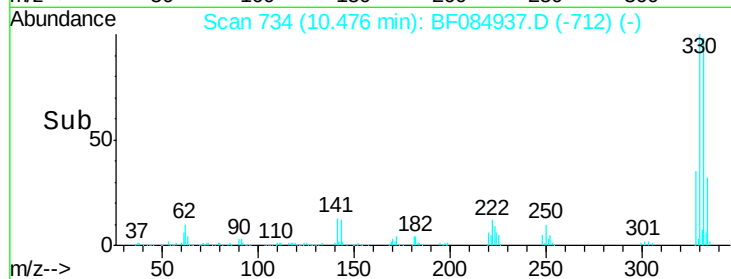
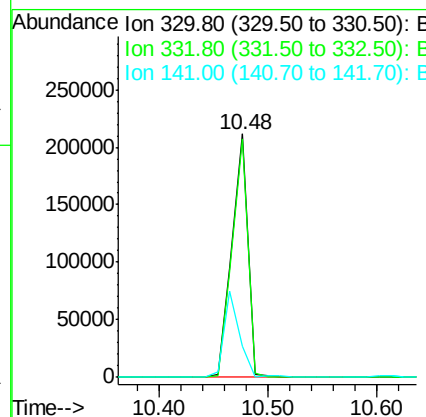
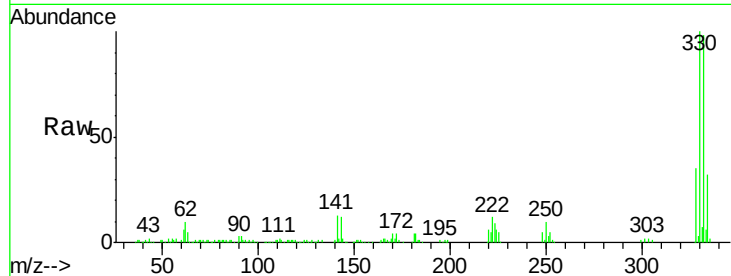
#41
 2,4,6-Tribromophenol
 Concen: 72.58 ng
 RT: 10.48 min Scan# 734
 Delta R.T. -0.05 min
 Lab File: BF084937.D
 Acq: 8 Feb 2016 19:15

Instrument :
 BNA_F
 ClientSampleId :
 S4-B010(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	216070		
332	97.4	76.6	114.8	
141	35.7	27.8	41.6	

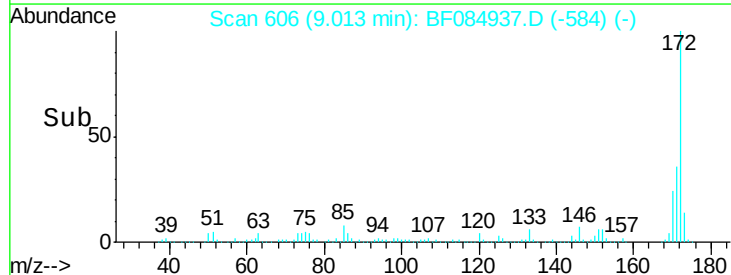
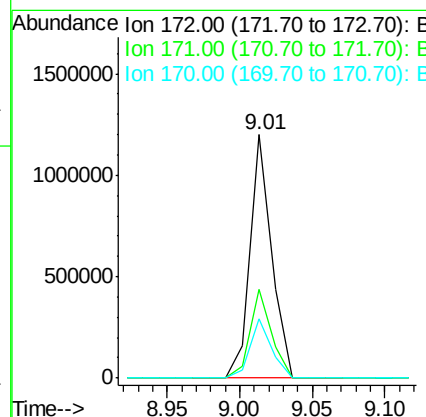
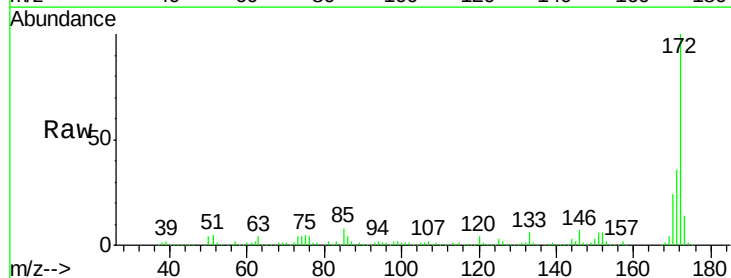
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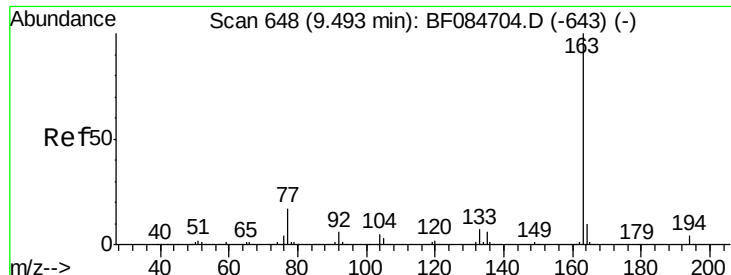
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#44
 2-Fluorobiphenyl
 Concen: 68.58 ng
 RT: 9.01 min Scan# 606
 Delta R.T. -0.05 min
 Lab File: BF084937.D
 Acq: 8 Feb 2016 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1239166		
171	36.4	28.9	43.3	
170	24.2	18.6	27.8	





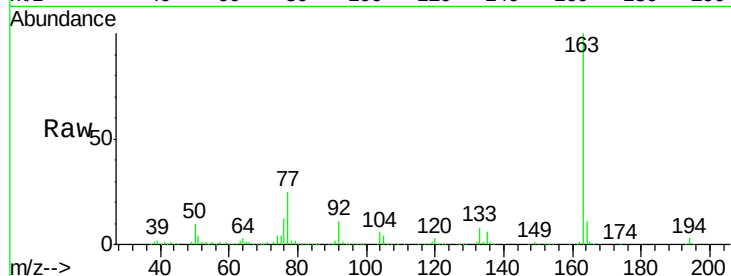
#49
Dimethylphthalate
Concen: 21.80 ng
RT: 9.41 min Scan# 641
Delta R.T. -0.06 min
Lab File: BF084937.D
Acq: 8 Feb 2016 19:15

Instrument :
BNA_F
ClientSampleId :
S4-B010(0-2)

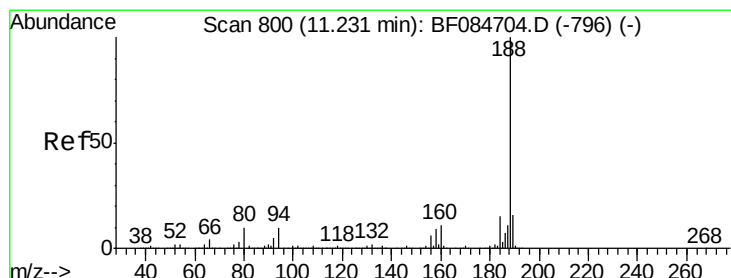
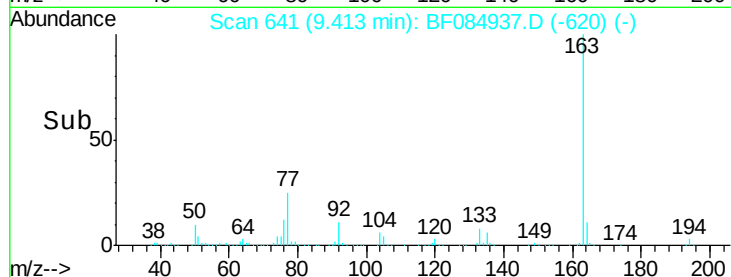
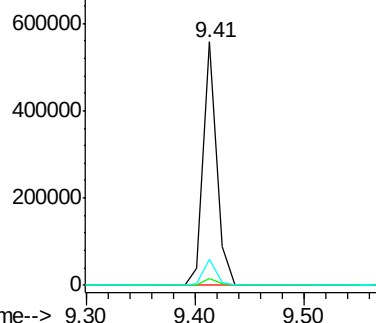
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	473853		
194	3.0	8.0	12.0#	
164	10.5	8.0	12.0	

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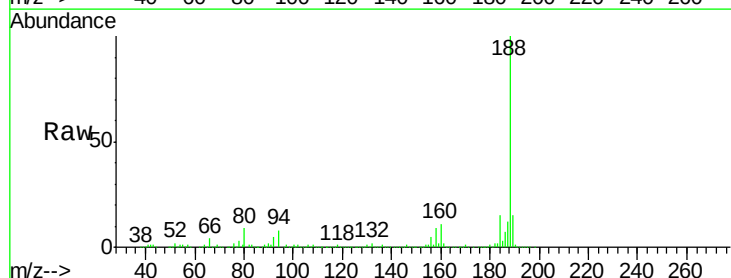


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

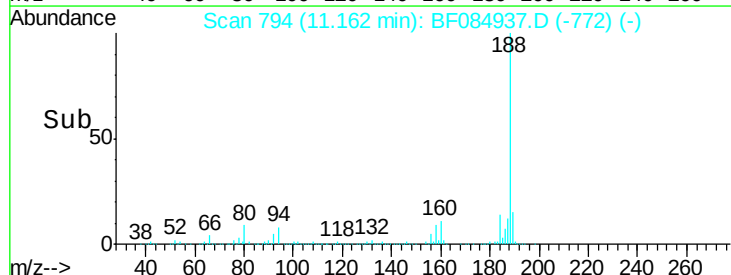
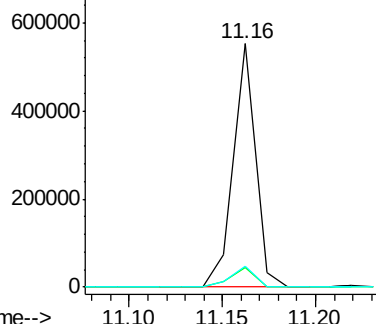


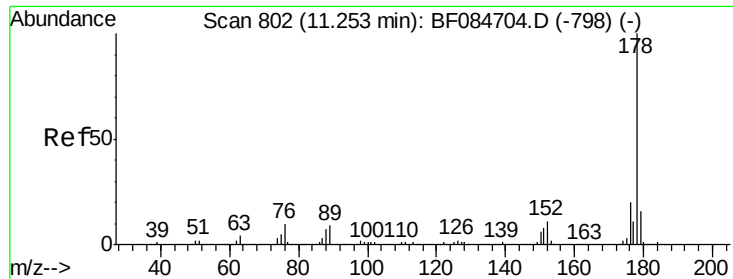
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 794
Delta R.T. -0.05 min
Lab File: BF084937.D
Acq: 8 Feb 2016 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	454519		
94	8.2	9.0	13.4#	
80	8.6	9.6	14.4#	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





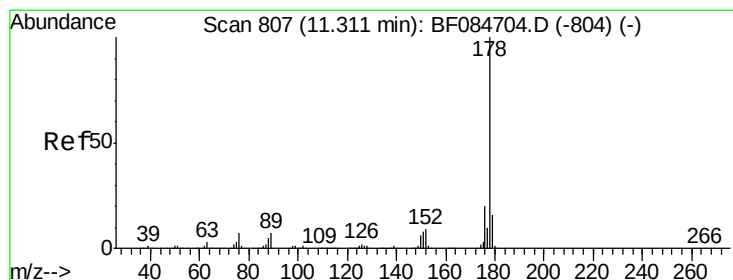
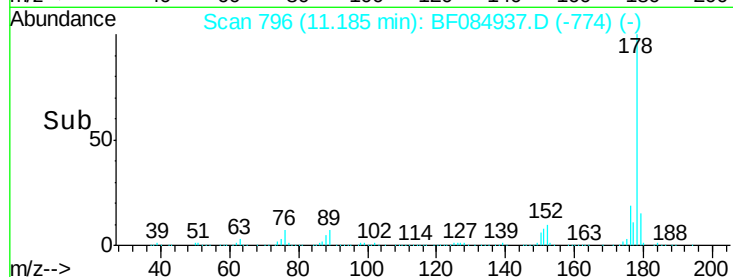
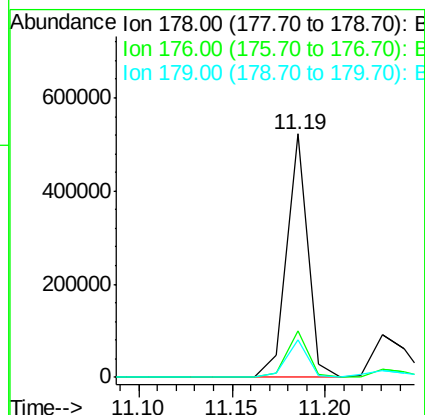
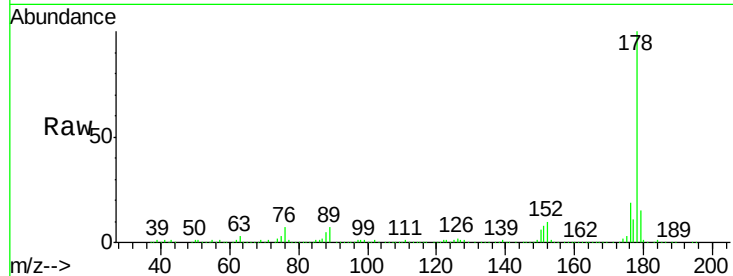
#70
Phenanthrene
Concen: 16.40 ng
RT: 11.19 min Scan# 796
Delta R.T. -0.05 min
Lab File: BF084937.D
Acq: 8 Feb 2016 19:15

Instrument :
BNA_F
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S4-B010(0-2)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.4	12.0	18.0

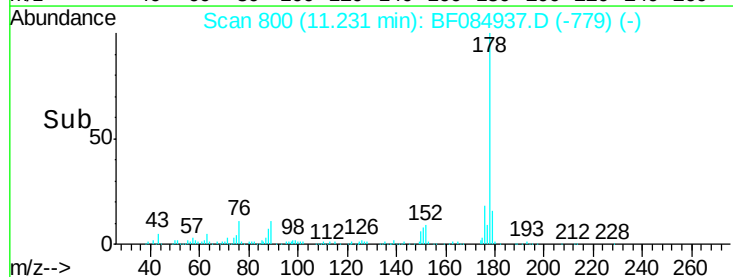
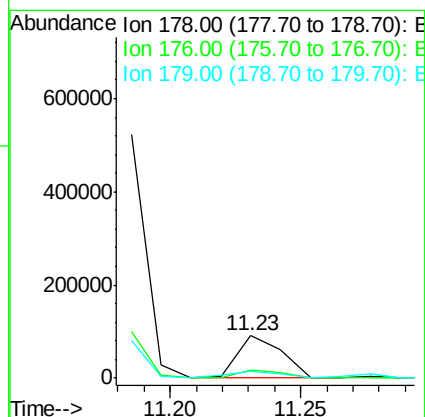
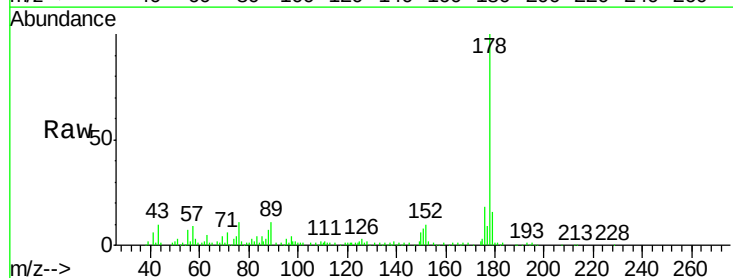
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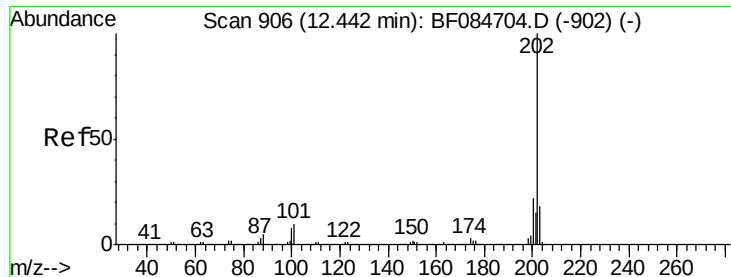
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#71
Anthracene
Concen: 4.13 ng
RT: 11.23 min Scan# 800
Delta R.T. -0.06 min
Lab File: BF084937.D
Acq: 8 Feb 2016 19:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.0
179	16.5	12.5	18.7





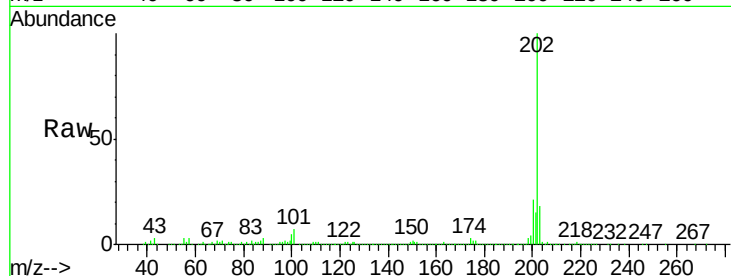
#74
 Fluoranthene
 Concen: 23.84 ng
 RT: 12.37 min Scan# 900
 Delta R.T. -0.05 min
 Lab File: BF084937.D
 Acq: 8 Feb 2016 19:15

Instrument :
 BNA_F
 ClientSampleId :
 S4-B010(0-2)

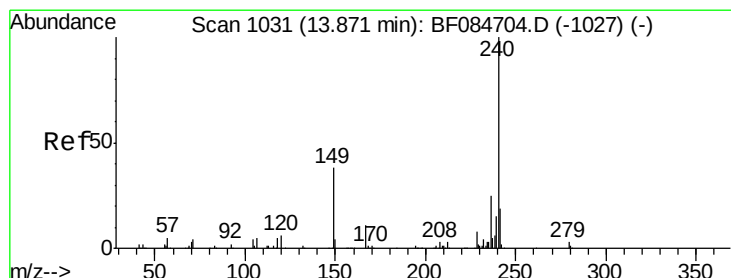
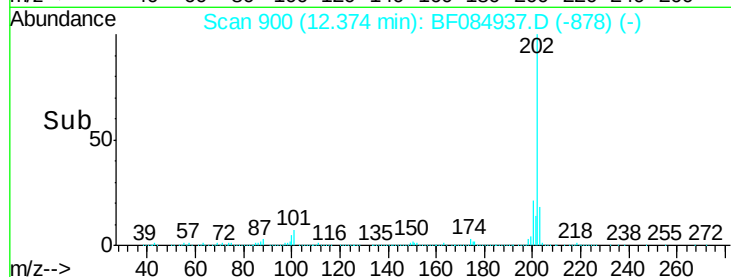
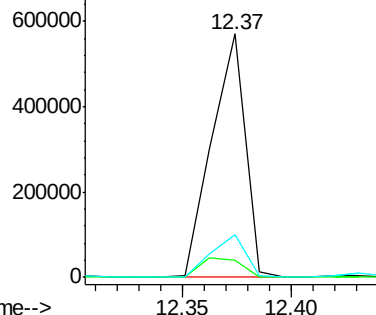
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	7.2	0.0	32.8
203	17.6	0.0	37.9

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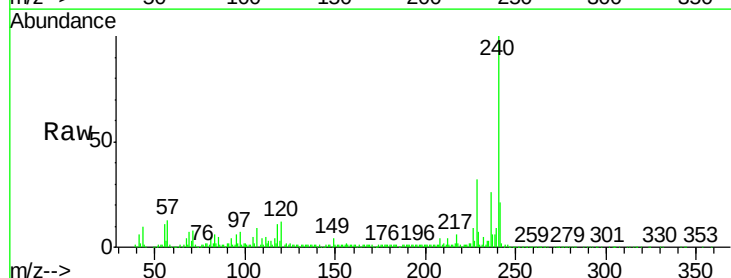


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

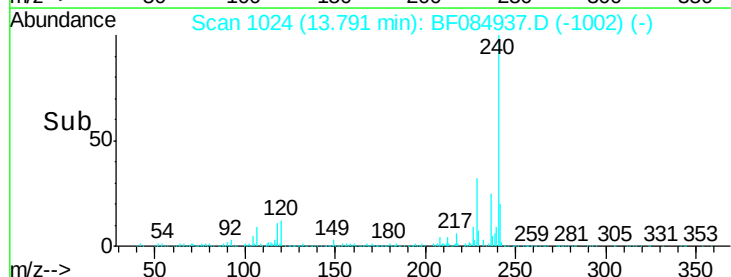
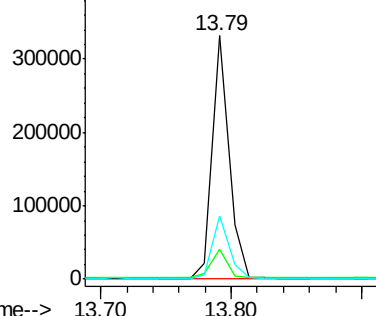


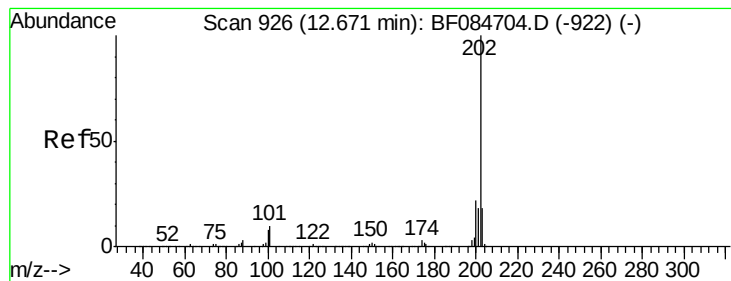
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.79 min Scan# 1024
 Delta R.T. -0.05 min
 Lab File: BF084937.D
 Acq: 8 Feb 2016 19:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.2	9.5	14.3
236	26.2	20.6	31.0



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 24.30 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.05 min

Lab File: BF084937.D

Acq: 8 Feb 2016 19:15

Instrument :

BNA_F

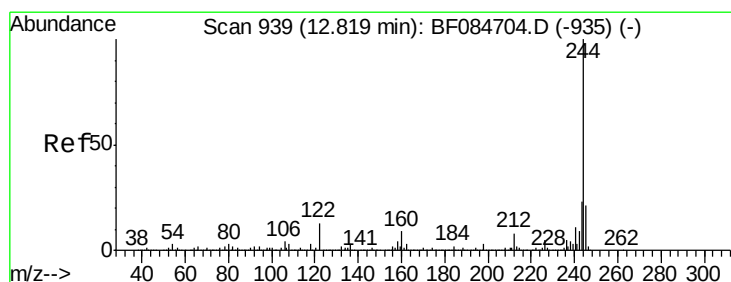
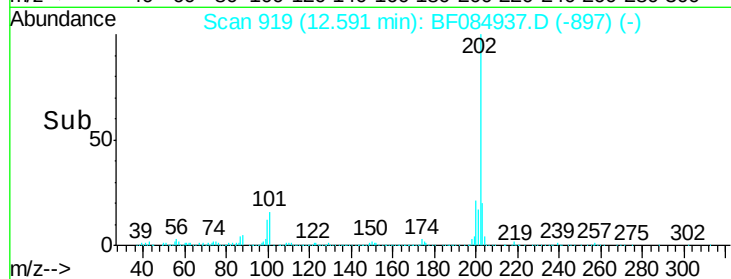
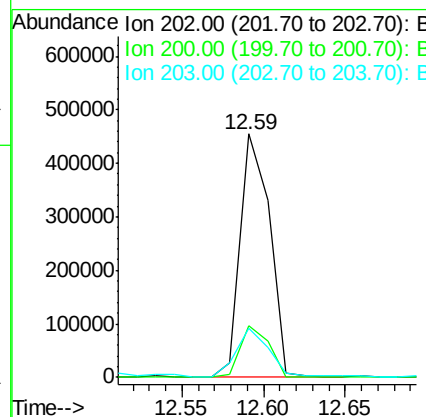
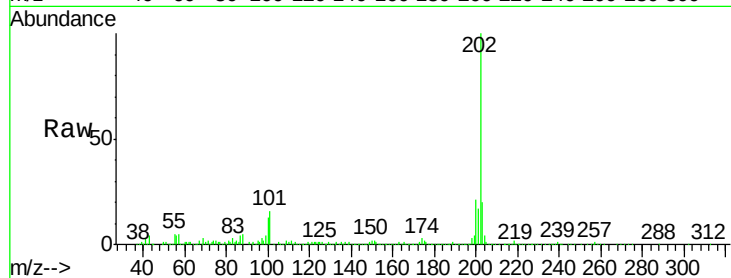
ClientSampleId :

S4-B010(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.0	17.2	25.8	
203	19.9	14.3	21.5	

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#78

Terphenyl-d14

Concen: 68.08 ng

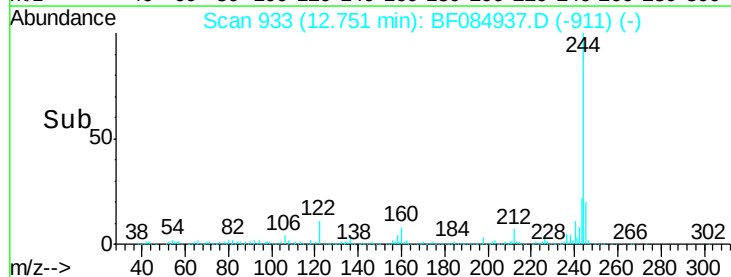
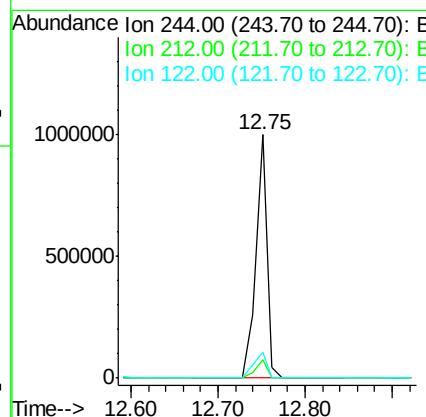
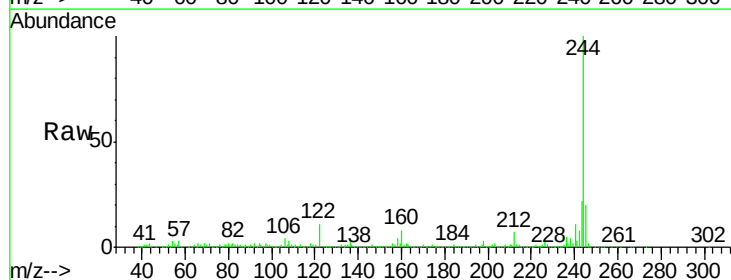
RT: 12.75 min Scan# 933

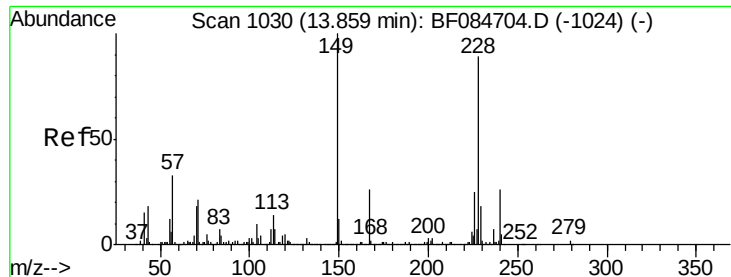
Delta R.T. -0.05 min

Lab File: BF084937.D

Acq: 8 Feb 2016 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.4	5.7	8.5	
122	10.9	7.4	11.0	





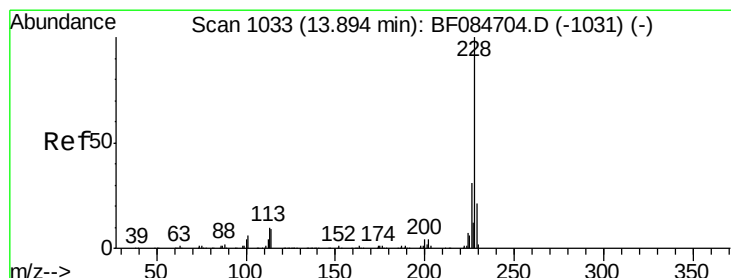
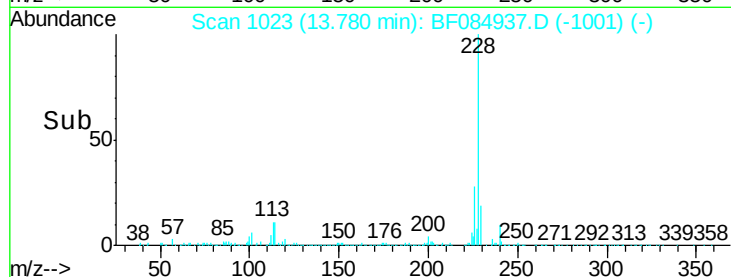
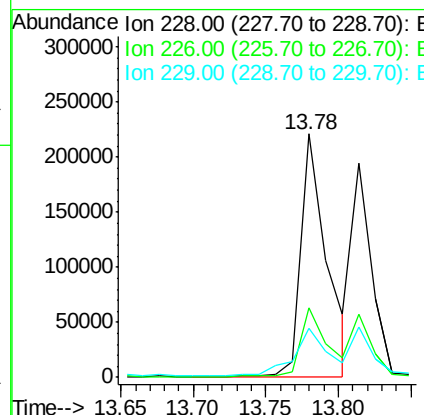
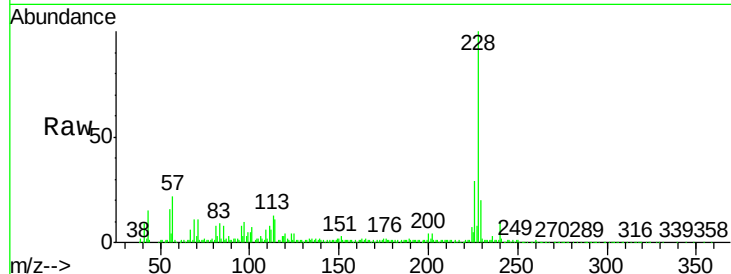
#80
Benzo(a)anthracene
Concen: 14.70 ng
RT: 13.78 min Scan# 1023
Delta R.T. -0.05 min
Lab File: BF084937.D
Acq: 8 Feb 2016 19:15

Instrument :
BNA_F
ClientSampleId :
S4-B010(0-2)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.8	32.6
229	20.3	15.8	23.8

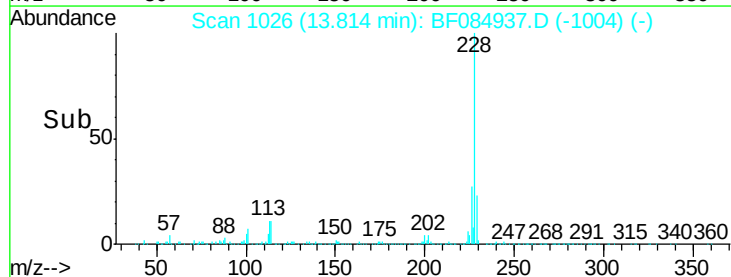
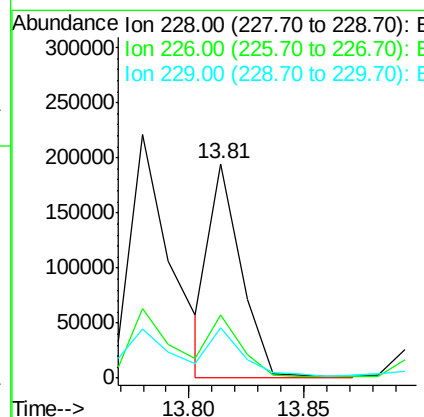
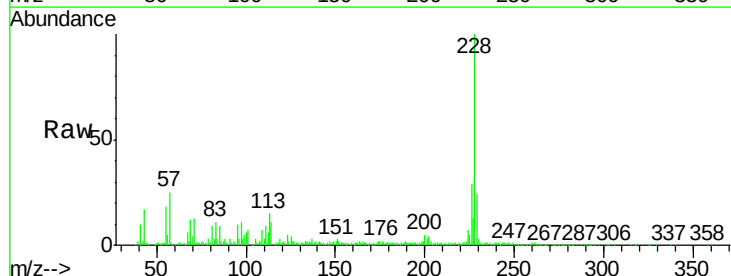
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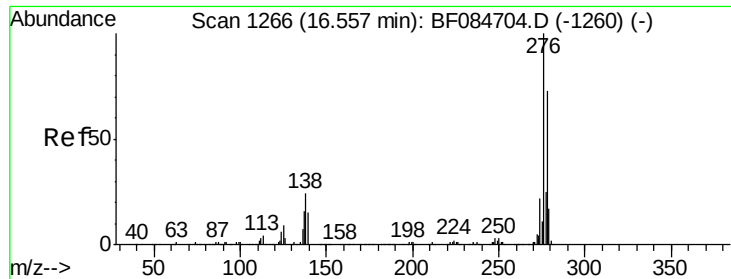
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#82
Chrysene
Concen: 10.47 ng m
RT: 13.81 min Scan# 1026
Delta R.T. -0.05 min
Lab File: BF084937.D
Acq: 8 Feb 2016 19:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.3	36.5
229	23.5	16.1	24.1





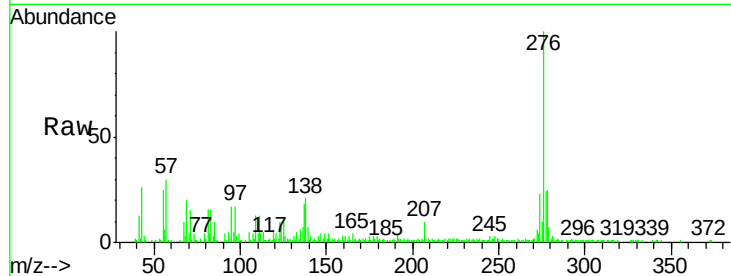
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.58 ng
 RT: 16.43 min Scan# 1255
 Delta R.T. -0.07 min
 Lab File: BF084937.D
 Acq: 8 Feb 2016 19:15

Instrument :
 BNA_F
 ClientSampleId :
 S4-B010(0-2)

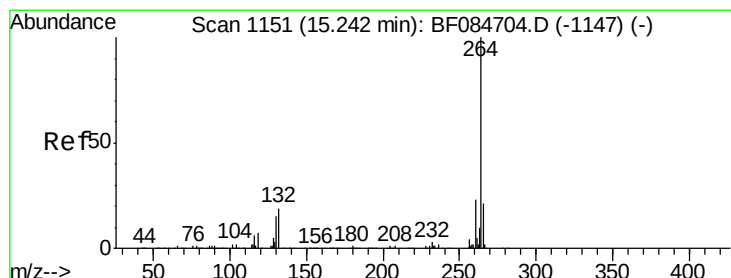
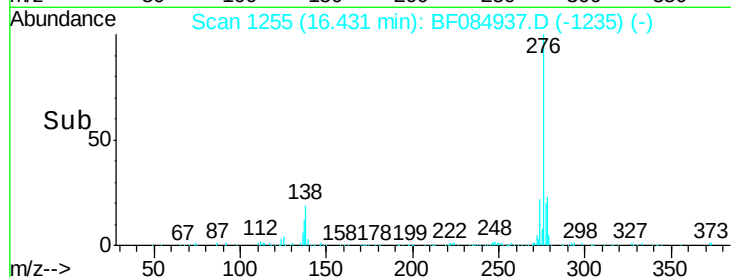
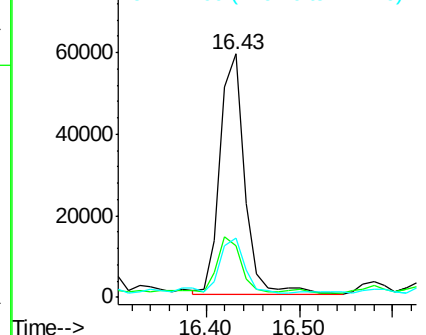
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	107754		
138	22.7	20.6	30.8	
277	25.4	20.1	30.1	

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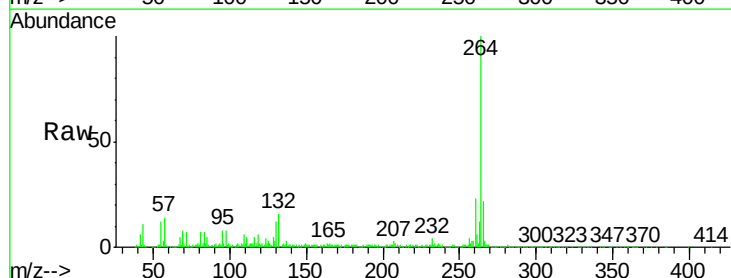


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

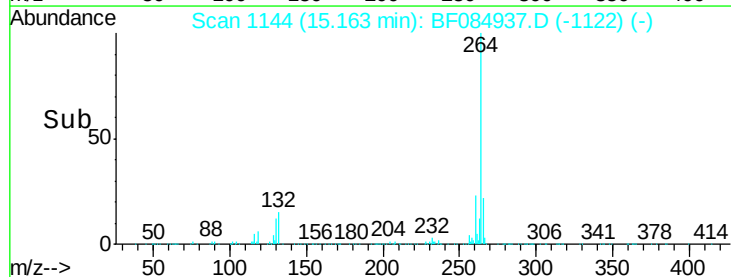
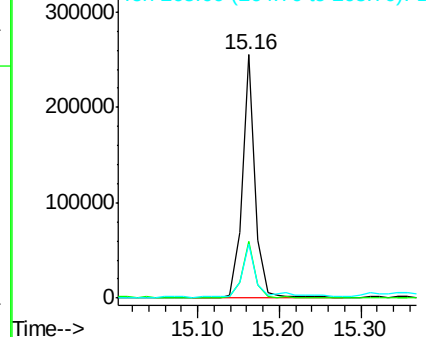


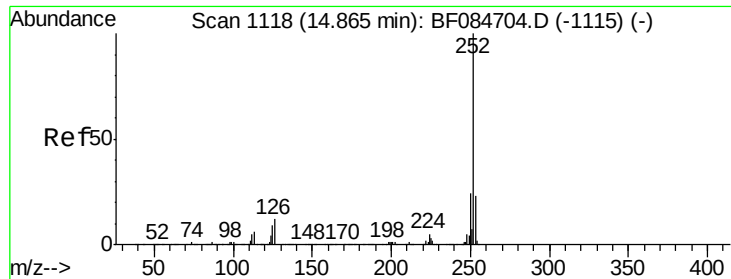
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.16 min Scan# 1144
 Delta R.T. -0.05 min
 Lab File: BF084937.D
 Acq: 8 Feb 2016 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	274979		
260	23.2	19.4	29.2	
265	22.3	17.8	26.6	



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: 12.63 ng m

RT: 14.79 min Scan# 1111

Delta R.T. -0.05 min

Lab File: BF084937.D

Acq: 8 Feb 2016 19:15

Instrument :

BNA_F

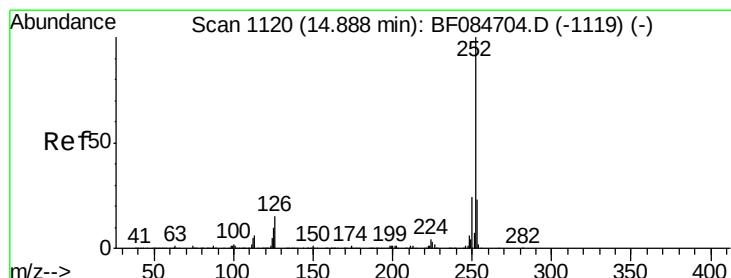
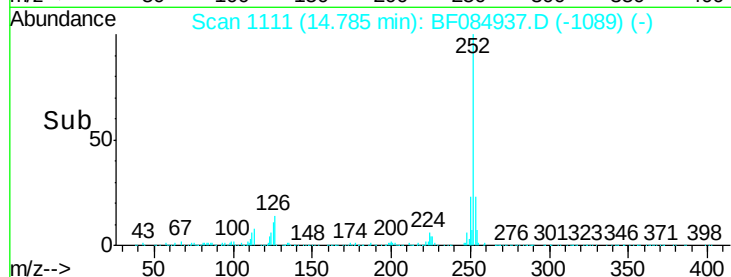
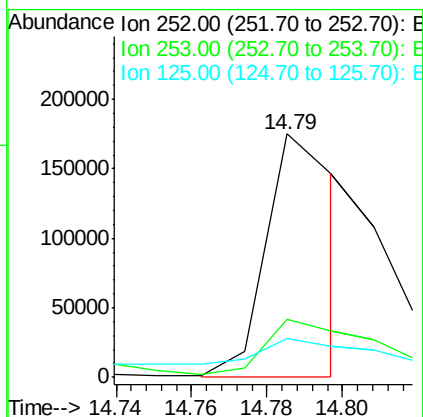
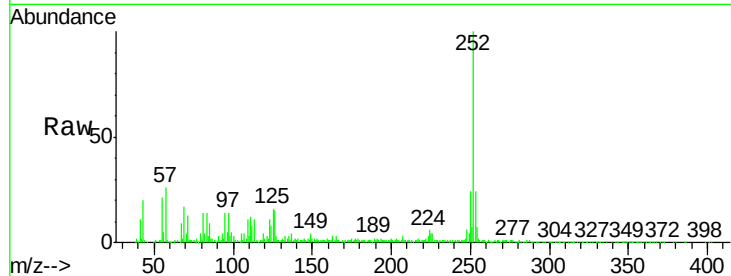
ClientSampleId :

S4-B010(0-2)

Tgt Ion:	252	Resp:	233412
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.3	25.9
125	16.0	6.5	9.7#

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#88

Benzo(k)fluoranthene

Concen: 7.10 ng m

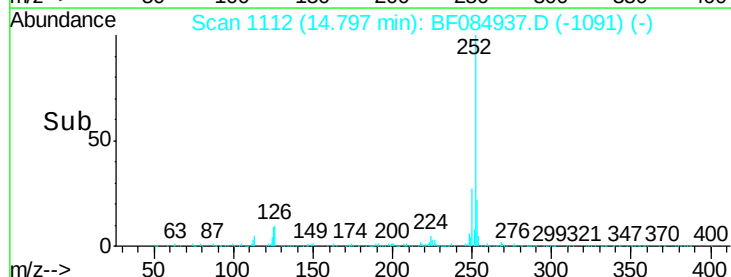
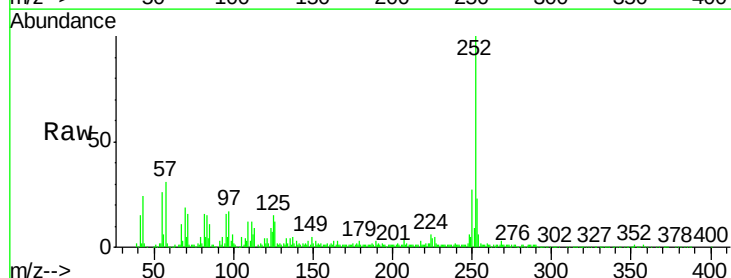
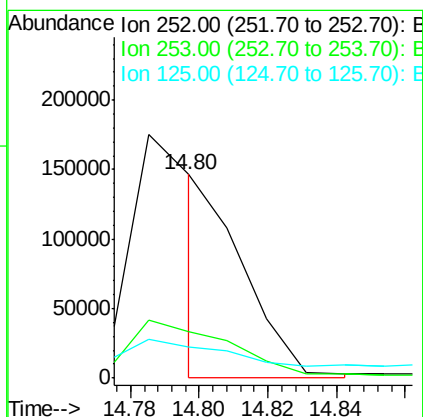
RT: 14.80 min Scan# 1112

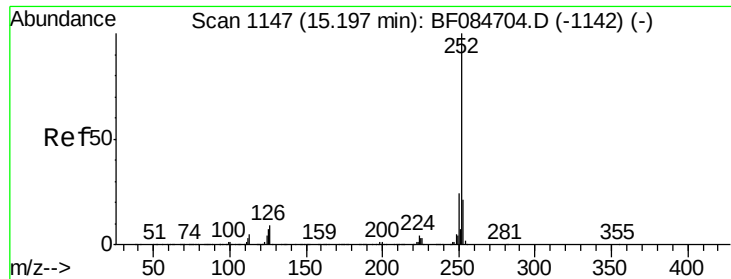
Delta R.T. -0.06 min

Lab File: BF084937.D

Acq: 8 Feb 2016 19:15

Tgt Ion:	252	Resp:	108503
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.1	27.1
125	15.4	9.0	13.6#





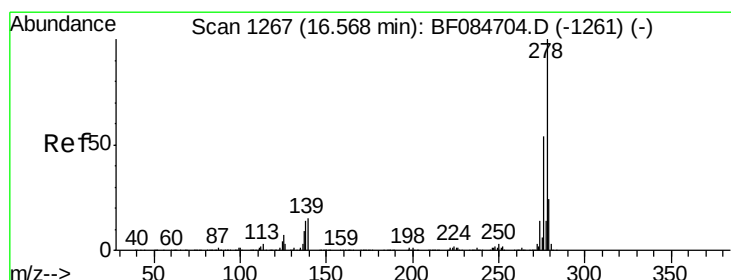
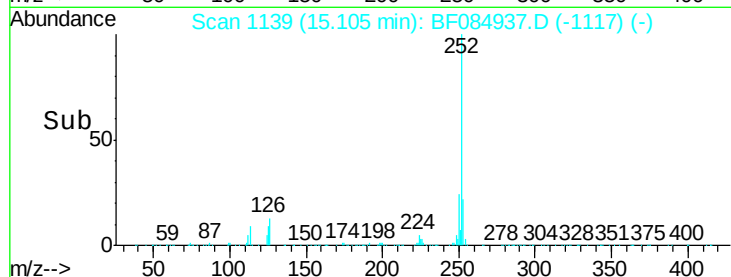
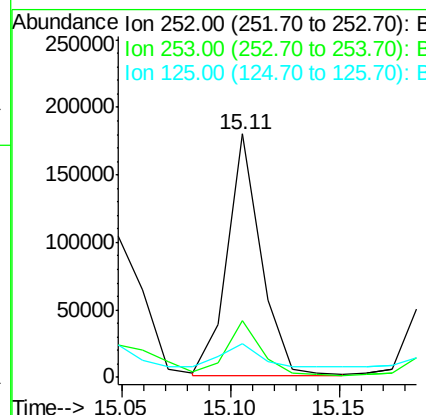
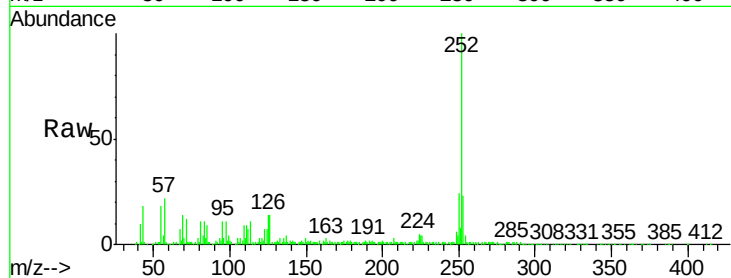
#89
Benzo(a)pyrene
Concen: 12.30 ng
RT: 15.11 min Scan# 1139
Delta R.T. -0.05 min
Lab File: BF084937.D
Acq: 8 Feb 2016 19:15

Instrument :
BNA_F
ClientSampleId :
S4-B010(0-2)

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.4	17.3	25.9
125	13.8	7.0	10.4

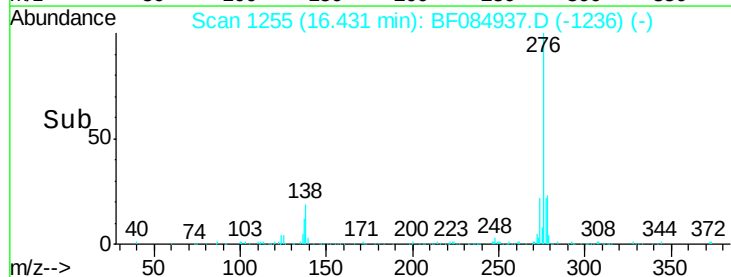
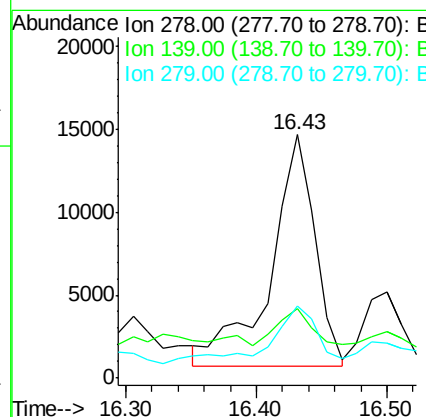
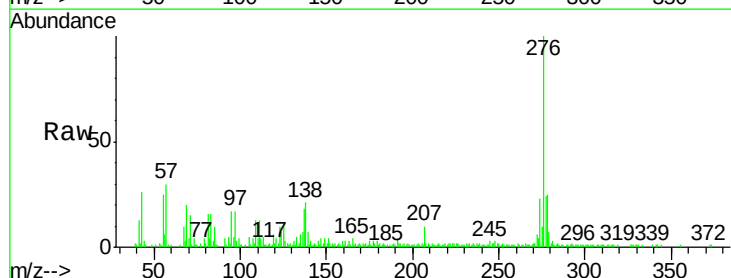
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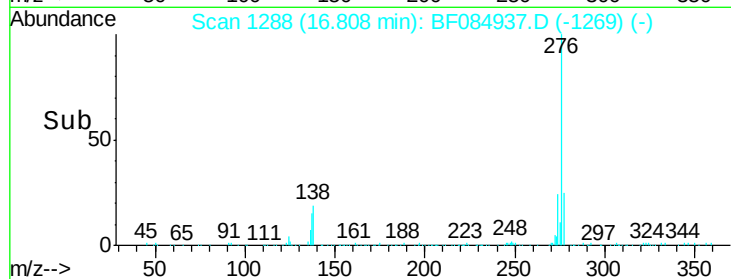
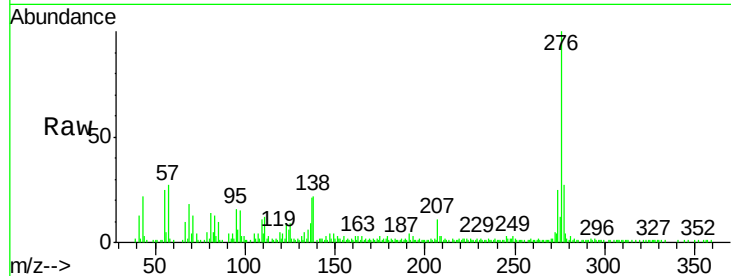
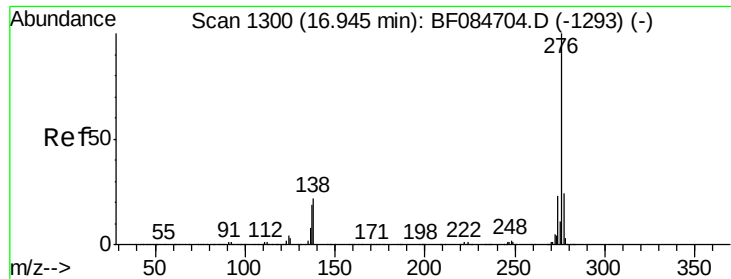
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#90
Dibenzo(a,h)anthracene
Concen: 2.52 ng
RT: 16.43 min Scan# 1255
Delta R.T. -0.08 min
Lab File: BF084937.D
Acq: 8 Feb 2016 19:15

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	28.4	15.0	22.4
279	29.6	18.9	28.3





#91

Benzo(g,h,i)perylene

Concen: 7.60 ng

RT: 16.81 min Scan# 1288

Delta R.T. -0.08 min

Lab File: BF084937.D

Acq: 8 Feb 2016 19:15

Instrument :

BNA_F

ClientSampleId :

S4-B010(0-2)

Tgt Ion:	276	Resp:	101510
Ion Ratio		Lower	Upper
276	100		
277	26.7	18.8	28.2
138	21.8	17.8	26.6

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