

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020416\
 Data File : BF084842.D
 Acq On : 4 Feb 2016 21:36
 Operator : SJ/IZ
 Sample : H1320-14
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B015(1-3)

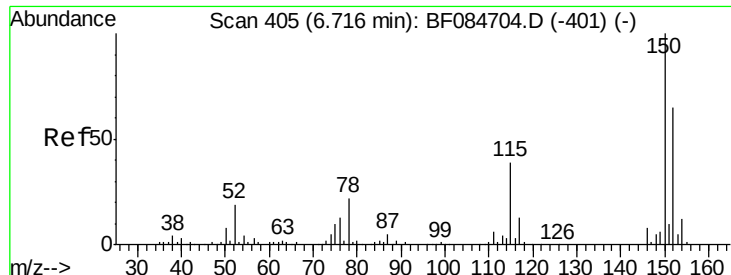
Manual Integrations
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 2/5/2016 1:49:01 PM

Quant Time: Feb 05 02:57:14 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	6.67	152	157284	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	668491	20.00	ng	-0.01
38) Acenaphthene-d10	9.71	164	288063	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	444362	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	310222	20.00	ng	-0.01
86) Perylene-d12	15.20	264	317893	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	1176228	116.48	ng	0.00
7) Phenol-d6	6.33	99	1294819	103.43	ng	-0.01
23) Nitrobenzene-d5	7.24	82	796925	67.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	298846	99.46	ng	-0.02
44) 2-Fluorobiphenyl	9.04	172	1227035	66.83	ng	-0.02
78) Terphenyl-d14	12.77	244	827197	60.42	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.44	163	166730	7.60	ng	# 91
70) Phenanthrene	11.21	178	241666	9.81	ng	99
71) Anthracene	11.27	178	54220	2.18	ng	99
73) Di-n-butylphthalate	11.77	149	92618	3.36	ng	98
74) Fluoranthene	12.40	202	326995	13.11	ng	96
77) Pyrene	12.63	202	296676	12.49	ng	98
79) Butylbenzylphthalate	13.27	149	1339960	124.36	ng	91
80) Benzo(a)anthracene	13.81	228	151115	7.85	ng	# 91
82) Chrysene	13.85	228	123877m	6.63	ng	
85) Indeno(1,2,3-cd)pyrene	16.48	276	85777	5.84	ng	95
87) Benzo(b)fluoranthene	14.82	252	185892m	8.70	ng	
88) Benzo(k)fluoranthene	14.84	252	60730m	3.44	ng	
89) Benzo(a)pyrene	15.14	252	135914	7.47	ng	# 95
91) Benzo(a,h,i)perylene	16.85	276	80522	5.22	ng	96

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



#1

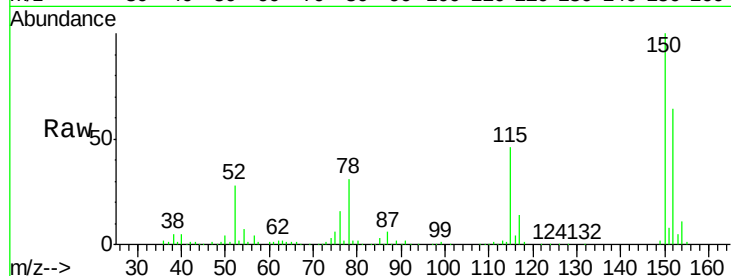
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 401
Delta R.T. -0.01 min
Lab File: BF084842.D
Acq: 4 Feb 2016 21:36

Instrument :
BNA_F
ClientSampleId :
S4-B015(1-3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	123.0	184.4
115	72.1	51.4	77.2

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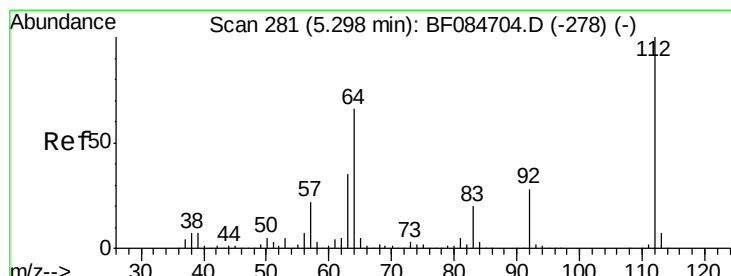
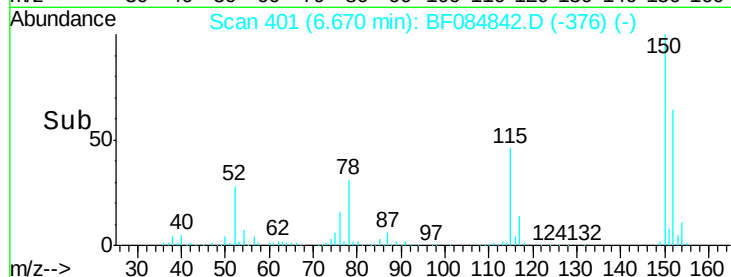
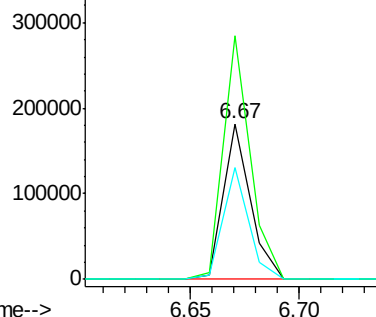


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

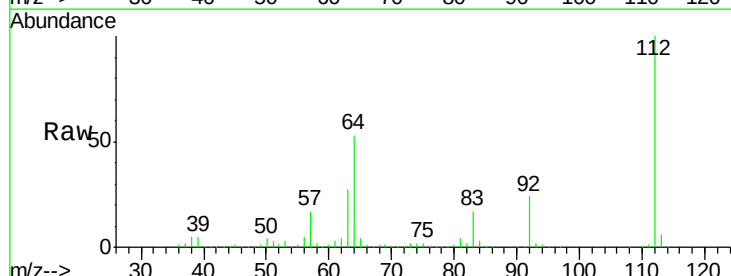
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 116.48 ng
RT: 5.28 min Scan# 279
Delta R.T. 0.00 min
Lab File: BF084842.D
Acq: 4 Feb 2016 21:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	36.6	55.0
63	27.2	19.4	29.0

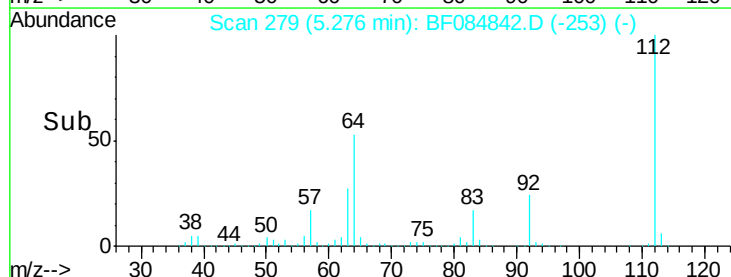
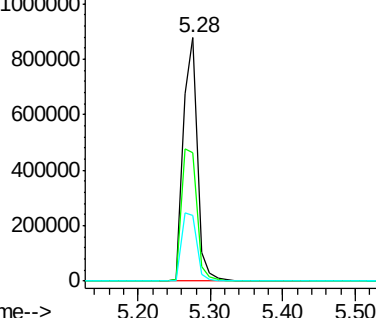


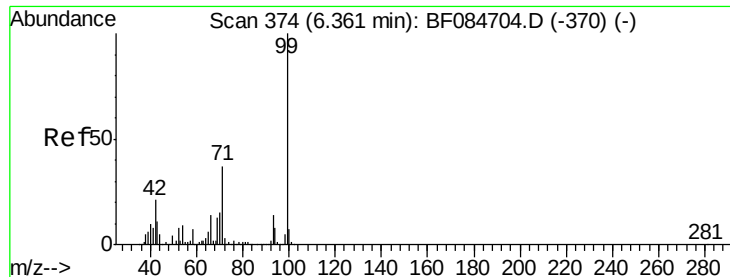
Abundance

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: 103.43 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF084842.D

Acq: 4 Feb 2016 21:36

Instrument :

BNA_F

ClientSampleId :

S4-B015(1-3)

Tot Ion: 99 Resp: 1294819

Ion Ratio Lower Upper

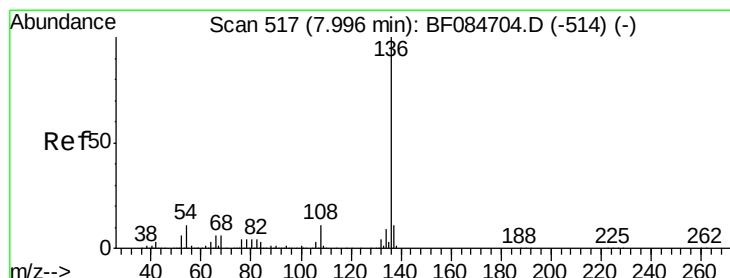
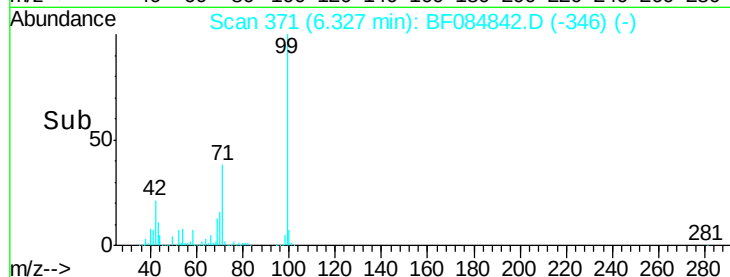
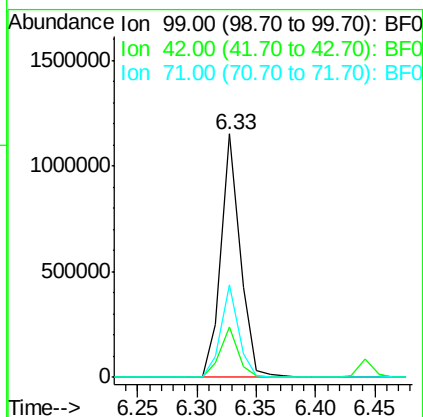
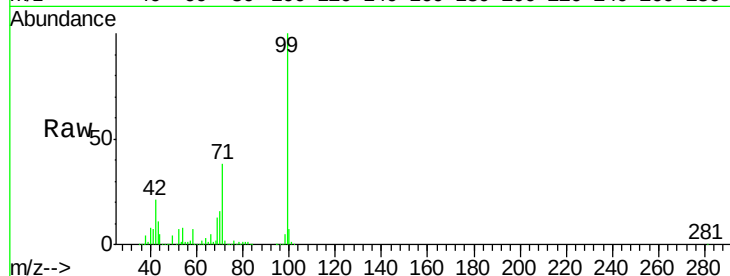
99 100

42 20.9 12.8 19.2#

71 38.1 30.9 46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 514

Delta R.T. -0.01 min

Lab File: BF084842.D

Acq: 4 Feb 2016 21:36

Tgt Ion: 136 Resp: 668491

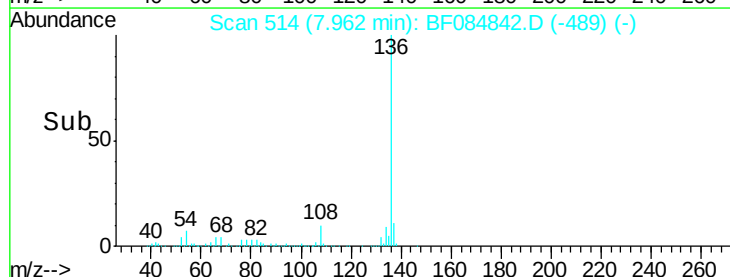
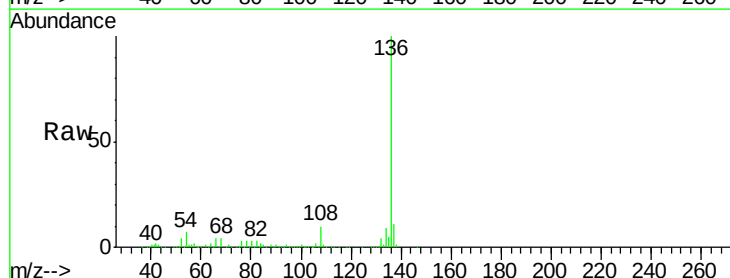
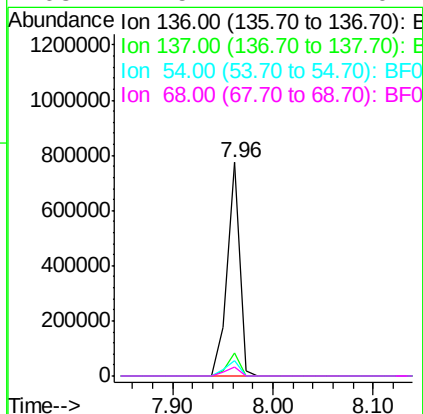
Ion Ratio Lower Upper

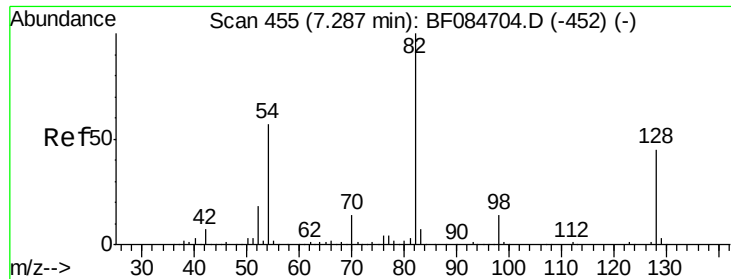
136 100

137 11.0 8.7 13.1

54 7.2 5.8 8.8

68 4.5 4.2 6.2





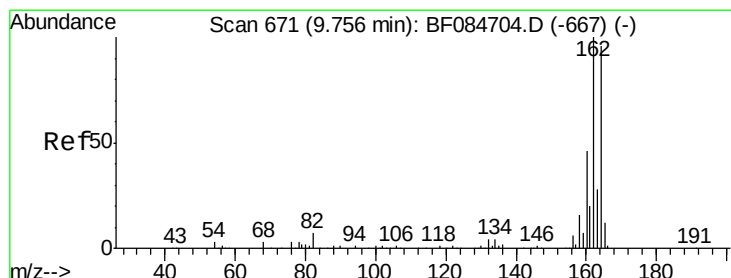
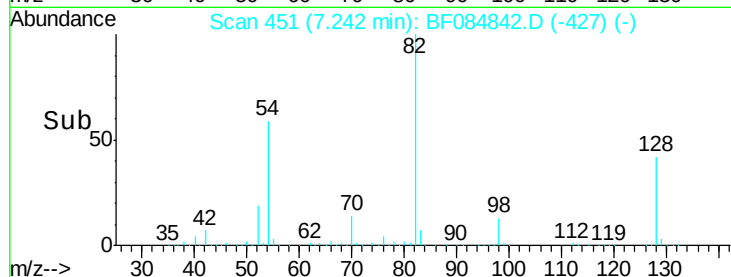
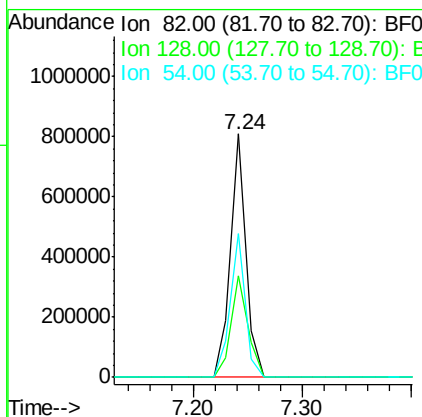
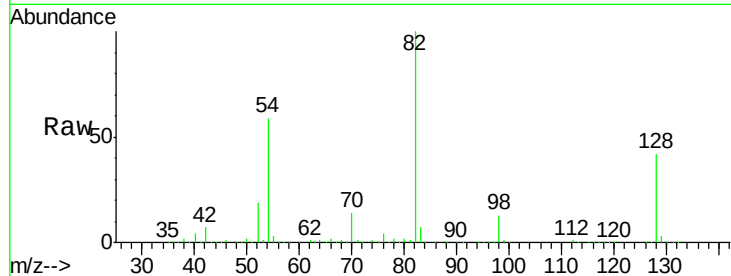
#23
Nitrobenzene-d5
Concen: 67.16 ng
RT: 7.24 min Scan# 451
Delta R.T. -0.02 min
Lab File: BF084842.D
Acq: 4 Feb 2016 21:36

Instrument :
BNA_F
ClientSampleId :
S4-B015(1-3)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.9	34.6	51.8	
54	59.0	38.4	57.6	

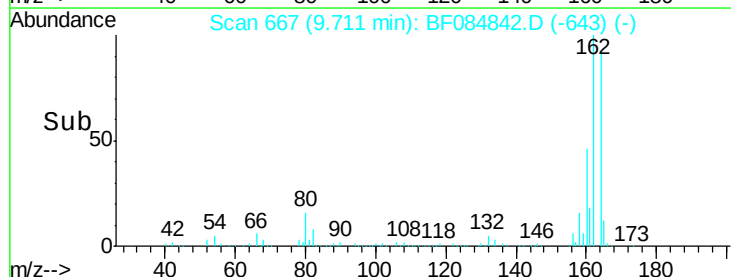
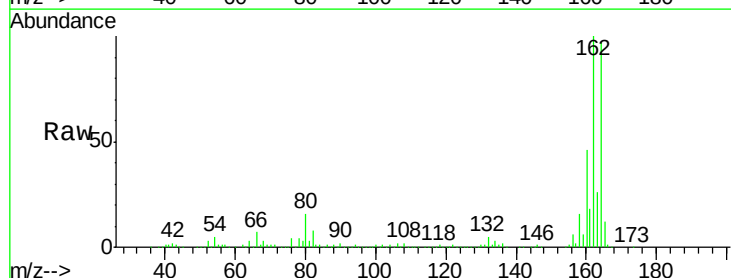
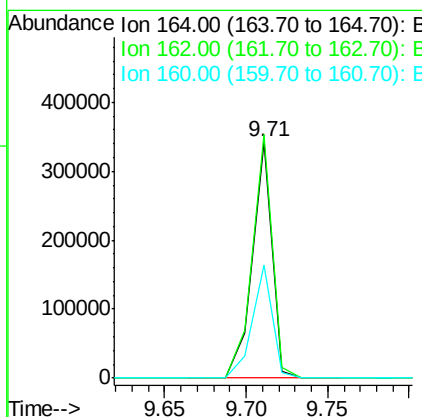
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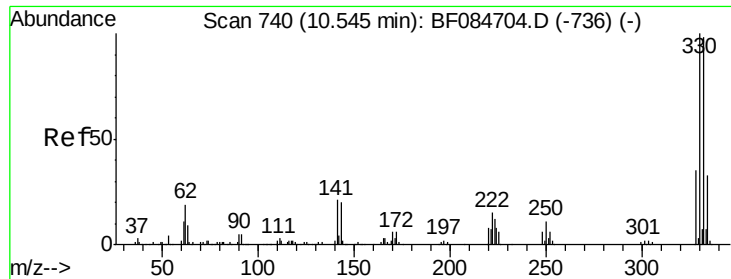
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF084842.D
Acq: 4 Feb 2016 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.0	85.1	127.7	
160	47.6	37.5	56.3	





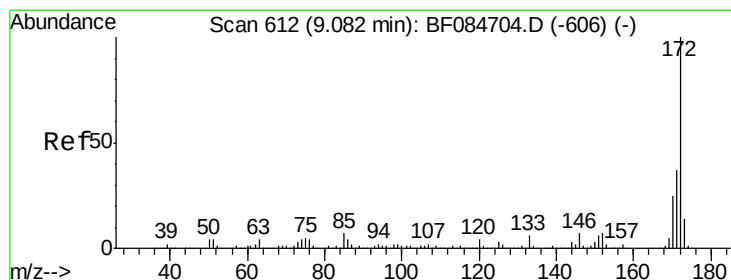
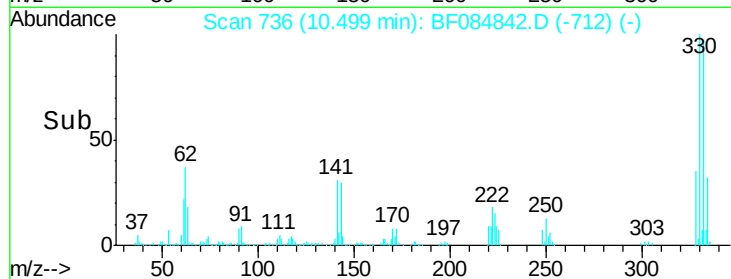
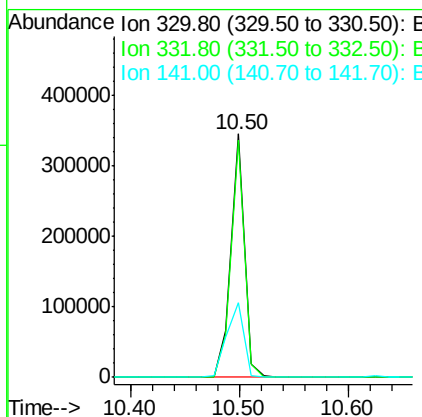
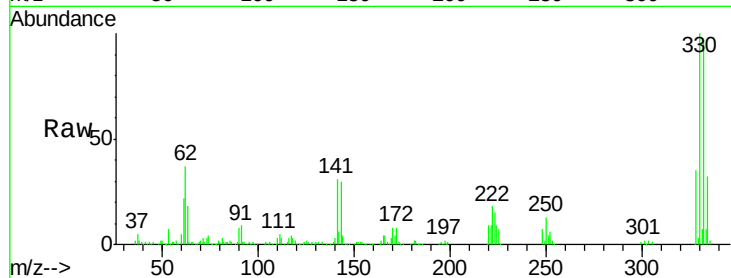
#41
 2,4,6-Tribromophenol
 Concen: 99.46 ng
 RT: 10.50 min Scan# 736
 Delta R.T. -0.02 min
 Lab File: BF084842.D
 Acq: 4 Feb 2016 21:36

Instrument :
 BNA_F
 ClientSampleId :
 S4-B015(1-3)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	298846		
332	96.5	76.6	114.8	
141	39.3	27.8	41.6	

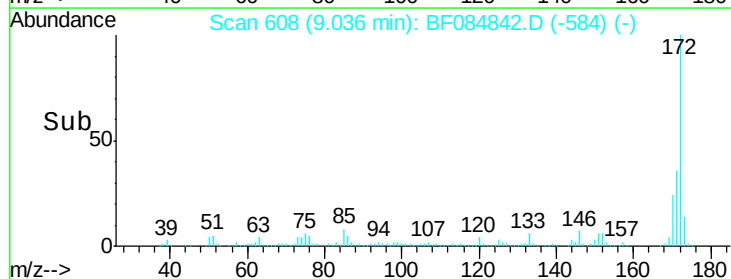
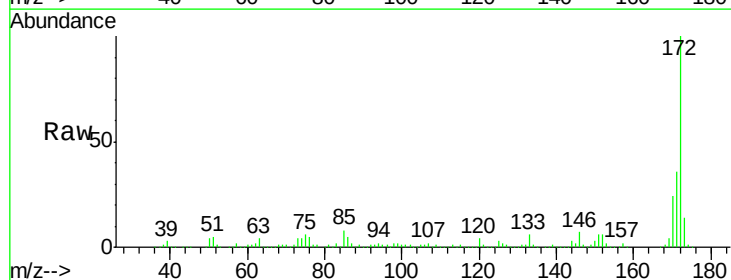
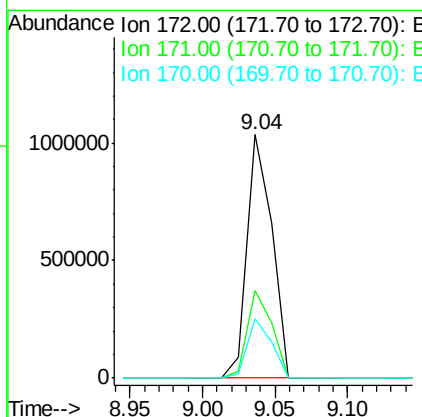
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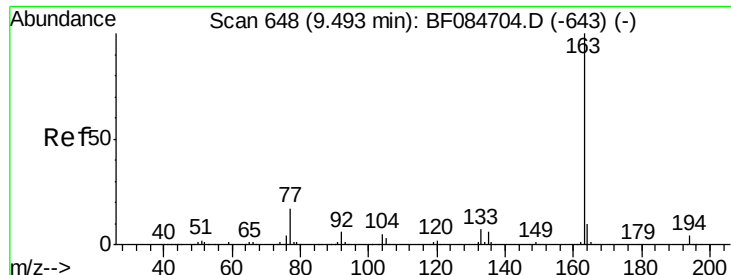
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#44
 2-Fluorobiphenyl
 Concen: 66.83 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.02 min
 Lab File: BF084842.D
 Acq: 4 Feb 2016 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1227035		
171	35.8	28.9	43.3	
170	24.2	18.6	27.8	





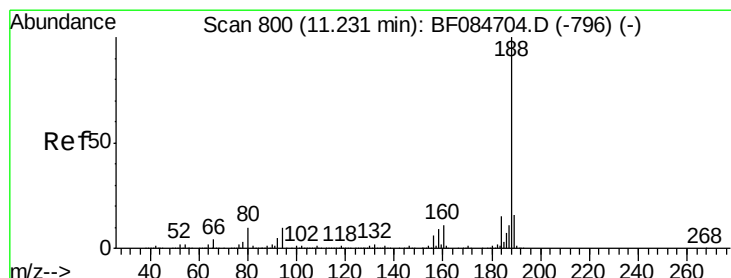
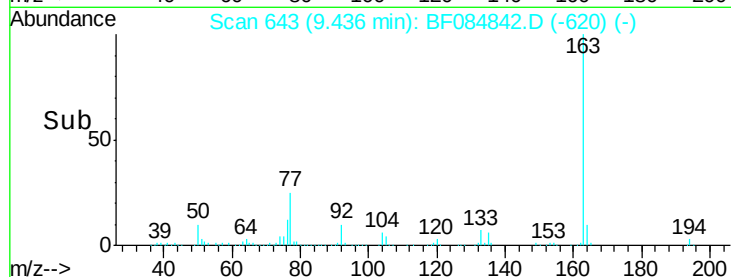
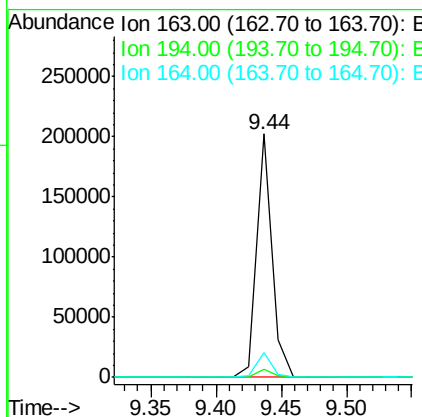
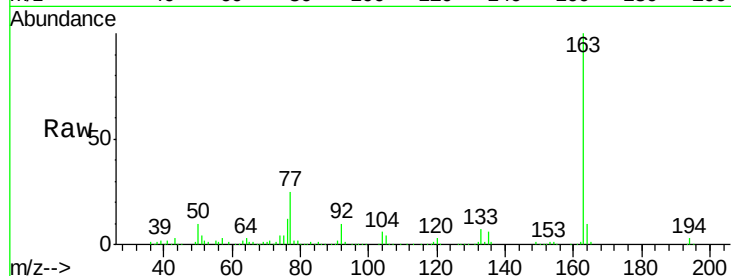
#49
Dimethylphthalate
Concen: 7.60 ng
RT: 9.44 min Scan# 643
Delta R.T. -0.03 min
Lab File: BF084842.D
Acq: 4 Feb 2016 21:36

Instrument :
BNA_F
ClientSampleId :
S4-B015(1-3)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	166730		
194	3.1	8.0	12.0	
164	10.1	8.0	12.0	

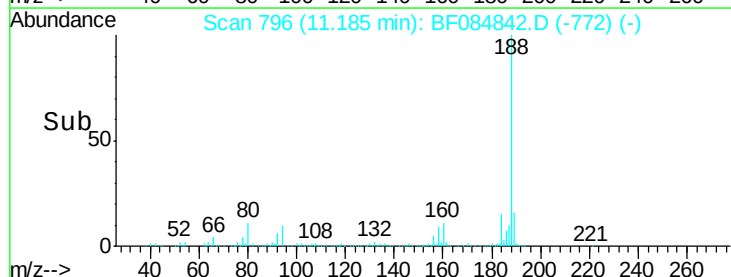
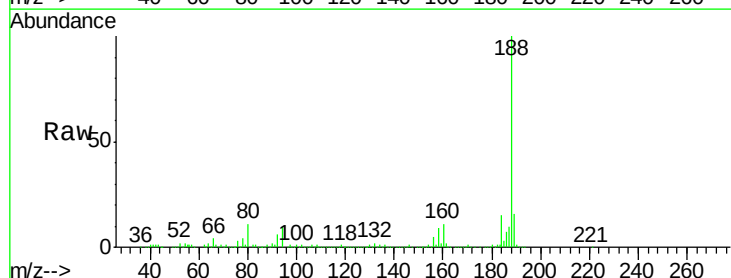
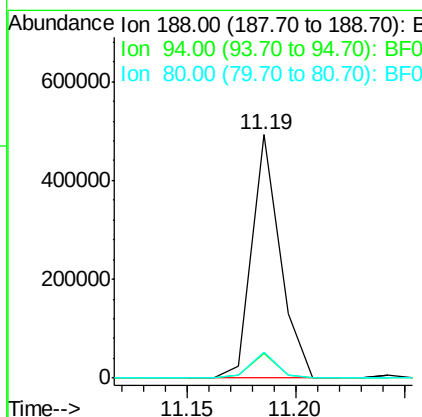
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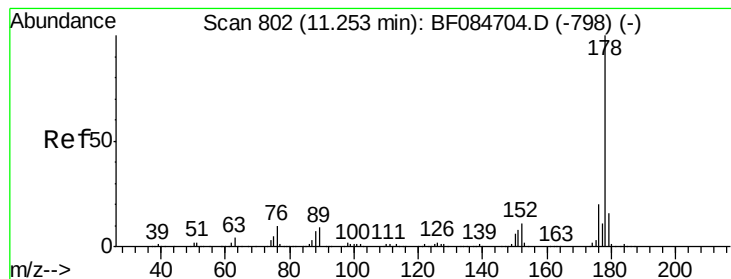
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF084842.D
Acq: 4 Feb 2016 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	444362		
94	10.4	9.0	13.4	
80	10.8	9.6	14.4	





#70

Phenanthrene

Concen: 9.81 ng

RT: 11.21 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF084842.D

Acq: 4 Feb 2016 21:36

Instrument :

BNA_F

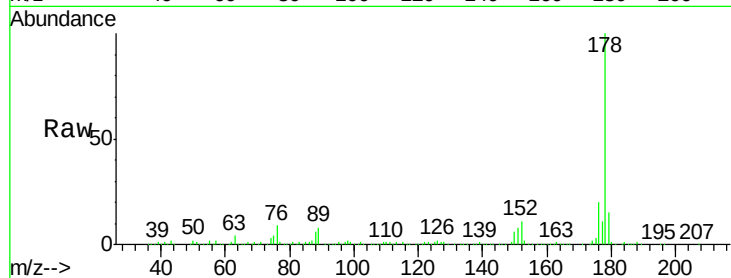
ClientSampleId :

S4-B015(1-3)

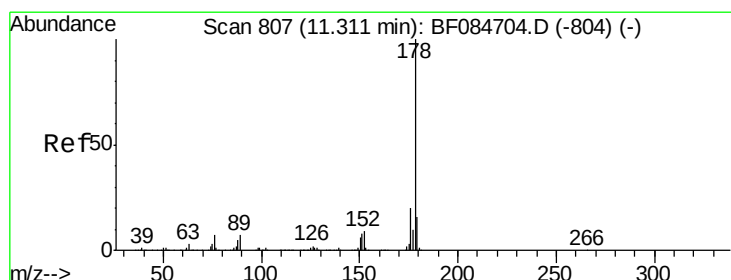
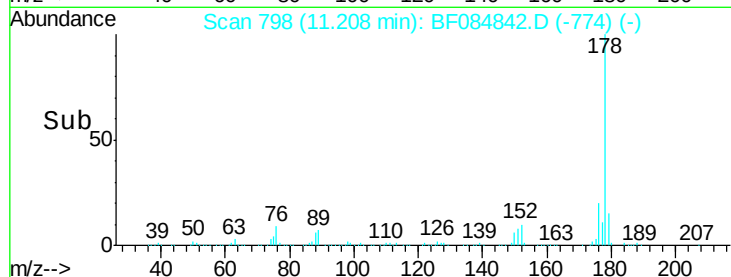
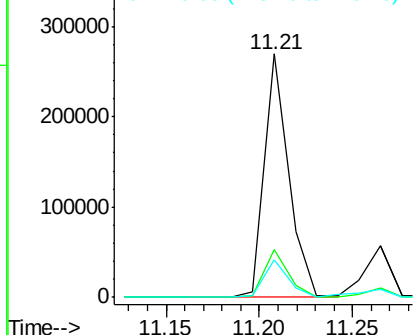
Tot Ion:	178	Resp:	241666
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.3	22.9
179	15.5	12.0	18.0

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.18 ng

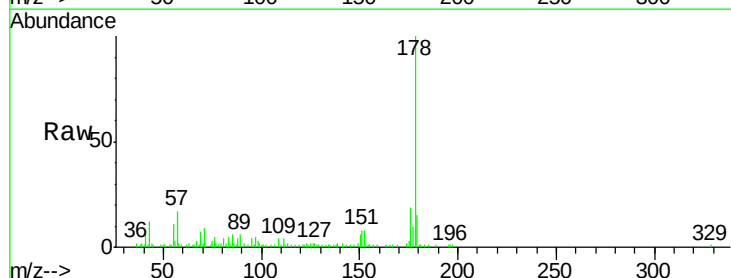
RT: 11.27 min Scan# 803

Delta R.T. -0.02 min

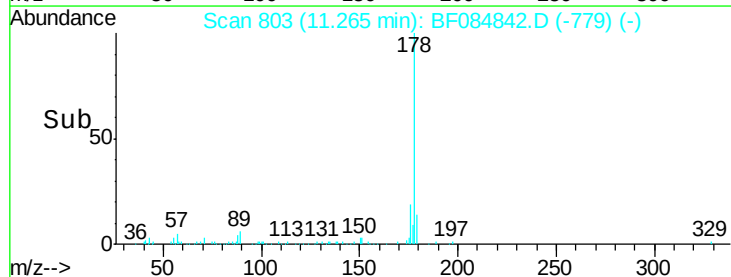
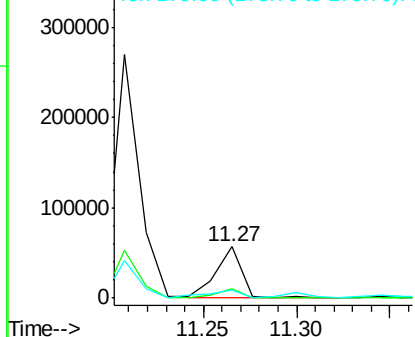
Lab File: BF084842.D

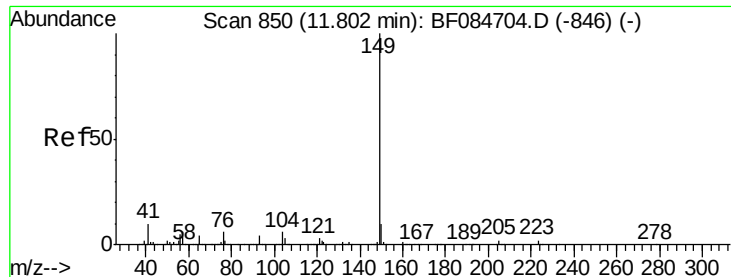
Acq: 4 Feb 2016 21:36

Tgt Ion:	178	Resp:	54220
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.4	23.0
179	15.0	12.5	18.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 3.36 ng

RT: 11.77 min Scan# 847

Delta R.T. -0.01 min

Lab File: BF084842.D

Acq: 4 Feb 2016 21:36

Instrument :

BNA_F

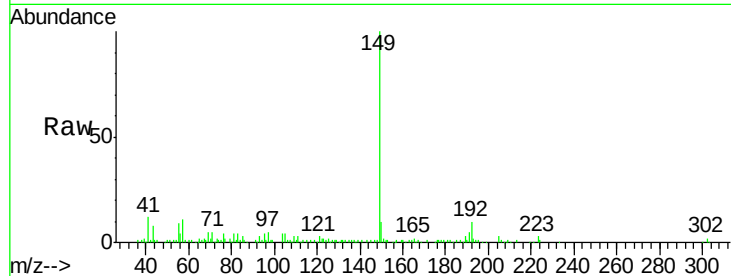
ClientSampled :

S4-B015(1-3)

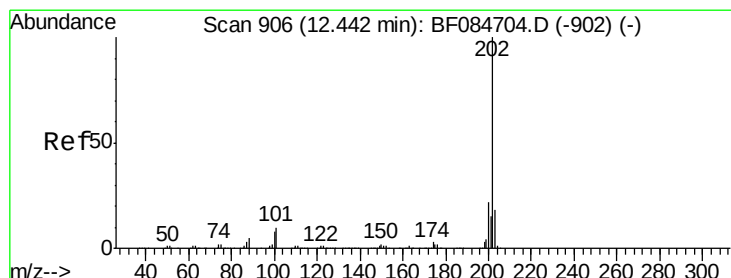
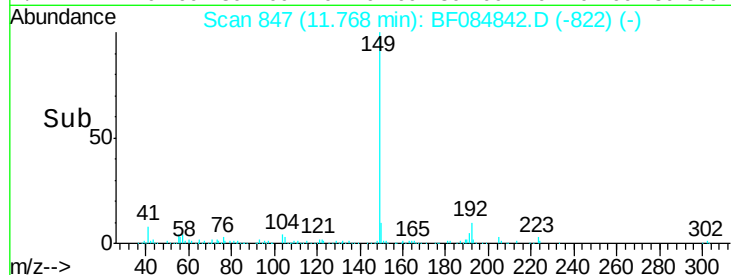
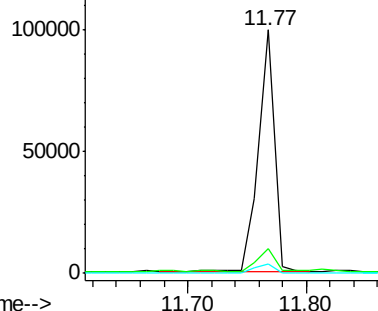
Tot Ion:	149	Resp:	92618
Ion Ratio	Lower	Upper	
149	100		
150	10.0	7.1	10.7
104	4.0	3.2	4.8

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 13.11 ng

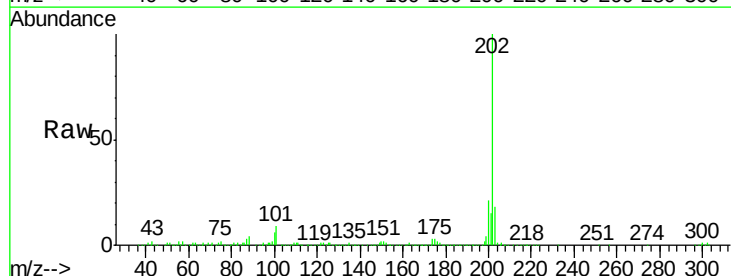
RT: 12.40 min Scan# 902

Delta R.T. -0.02 min

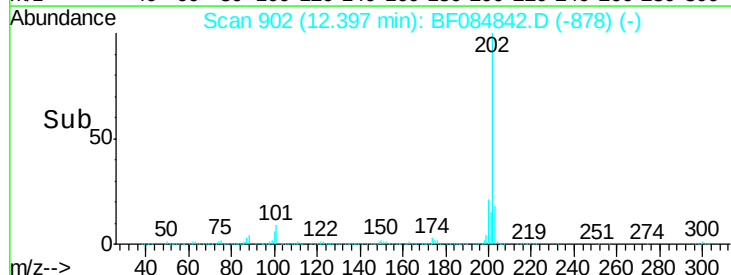
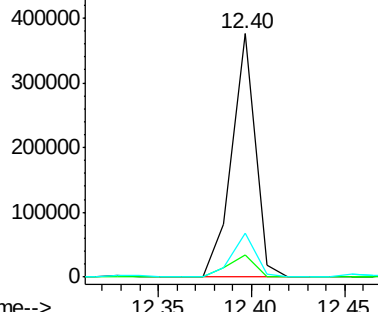
Lab File: BF084842.D

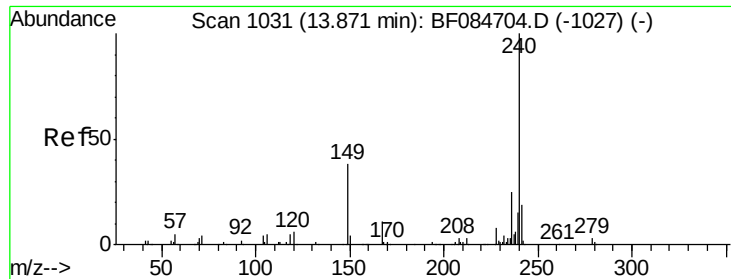
Acq: 4 Feb 2016 21:36

Tgt Ion:	202	Resp:	326995
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	32.8
203	17.9	0.0	37.9



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: 13.83 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF084842.D

Acq: 4 Feb 2016 21:36

Instrument :

BNA_F

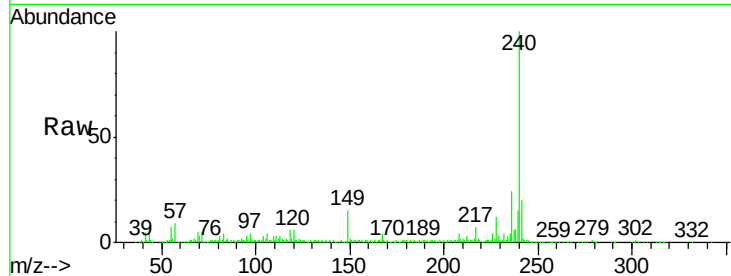
ClientSampleId :

S4-B015(1-3)

Tot Ion:	240	Resp:	310222
Ion Ratio	Lower	Upper	
240	100		
120	6.0	9.5	14.3#
236	24.3	20.6	31.0

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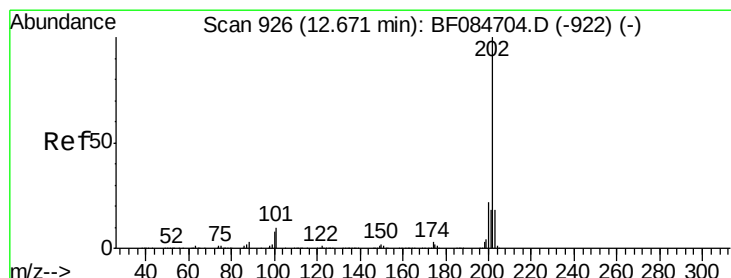
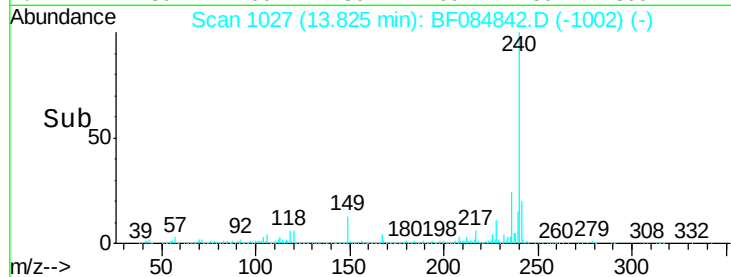
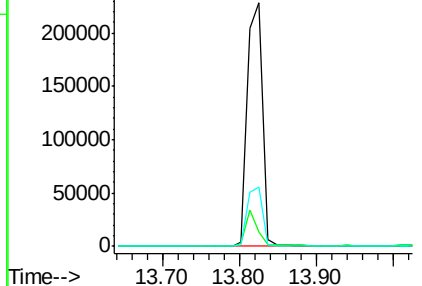
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 12.49 ng

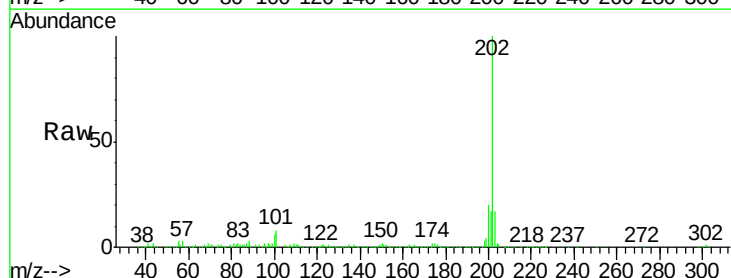
RT: 12.63 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF084842.D

Acq: 4 Feb 2016 21:36

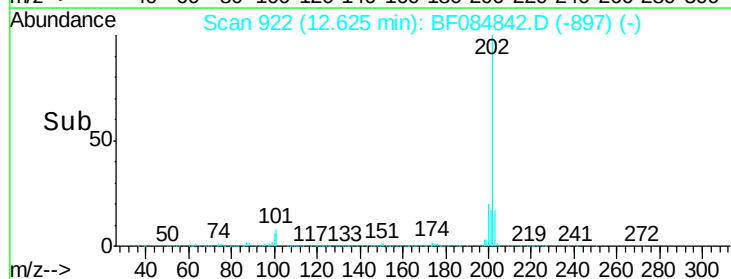
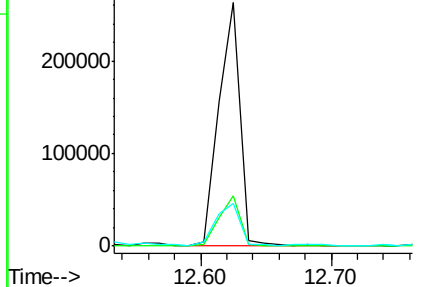
Tgt Ion:	202	Resp:	296676
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.2	25.8
203	17.3	14.3	21.5

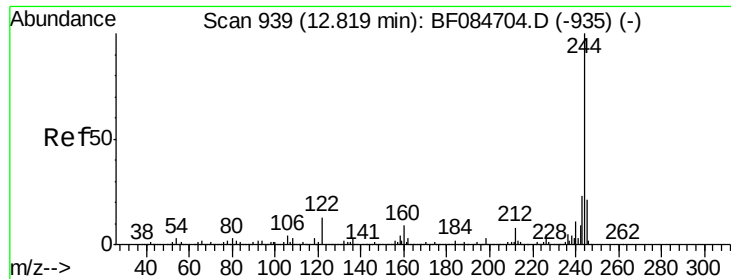


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.42 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF084842.D

Acq: 4 Feb 2016 21:36

Instrument :

BNA_F

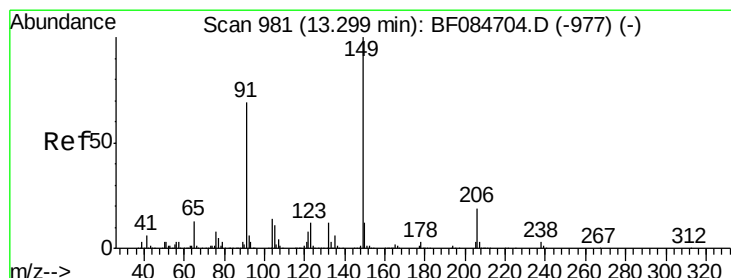
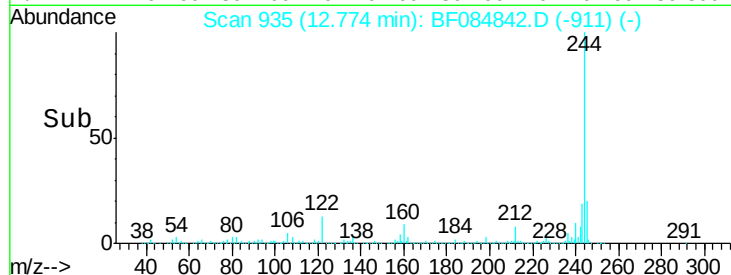
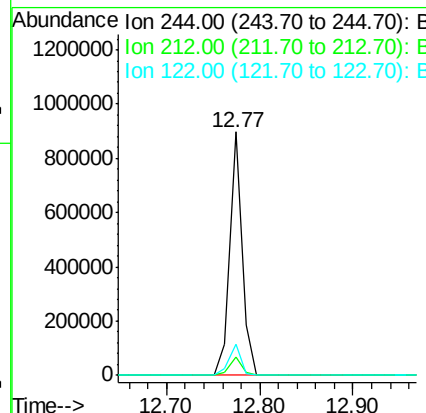
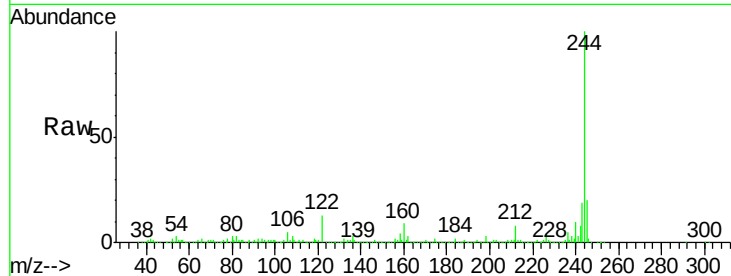
ClientSampleId :

S4-B015(1-3)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.7	8.5
122	13.0	7.4	11.0

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#79

Butylbenzylphthalate

Concen: 124.36 ng

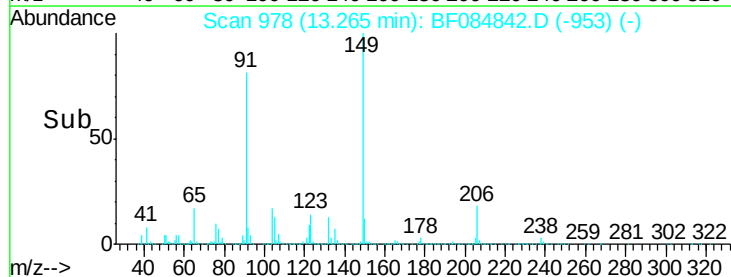
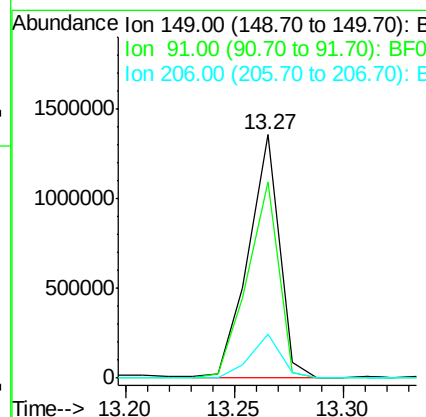
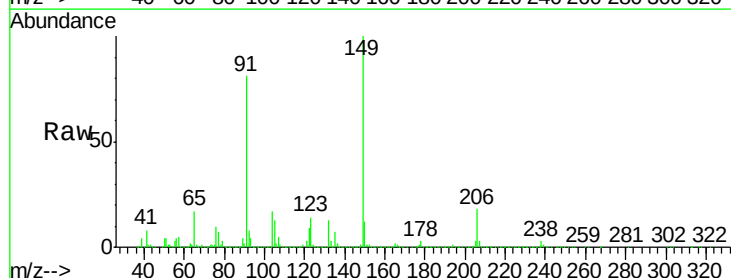
RT: 13.27 min Scan# 978

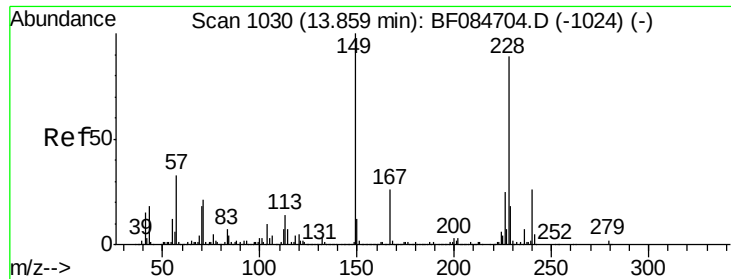
Delta R.T. -0.01 min

Lab File: BF084842.D

Acq: 4 Feb 2016 21:36

Tgt Ion	Ratio	Lower	Upper
149	100		
91	80.7	57.6	86.4
206	18.2	13.2	19.8





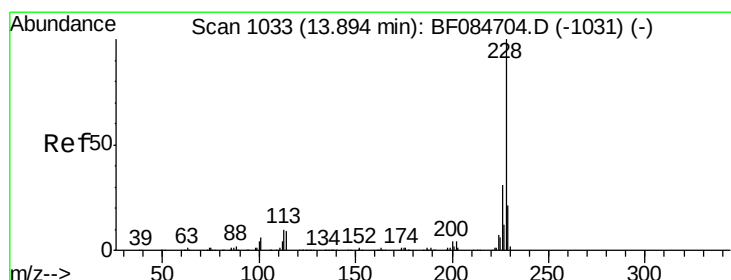
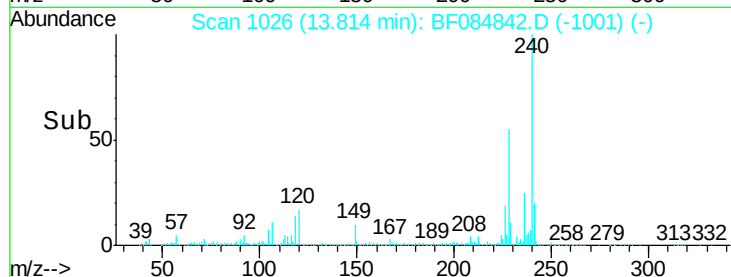
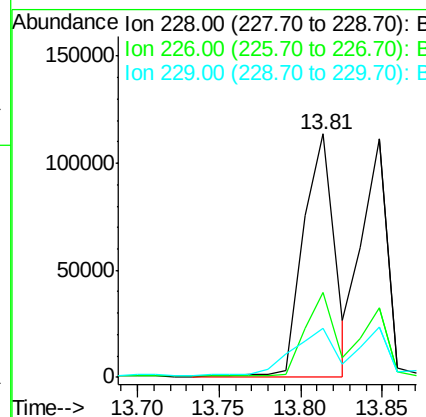
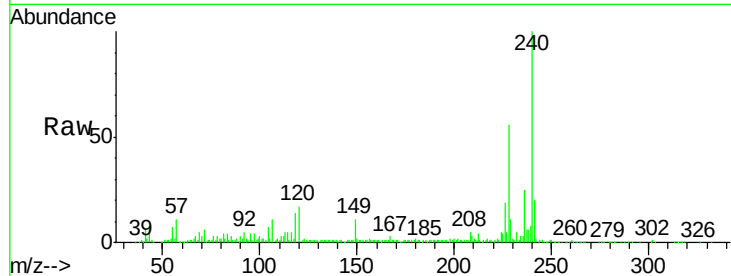
#80
Benzo(a)anthracene
Concen: 7.85 ng
RT: 13.81 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF084842.D
Acq: 4 Feb 2016 21:36

Instrument :
BNA_F
ClientSampleId :
S4-B015(1-3)

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.9	21.8	32.6
229	20.0	15.8	23.8

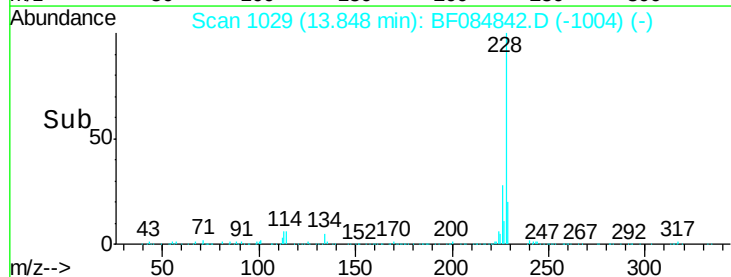
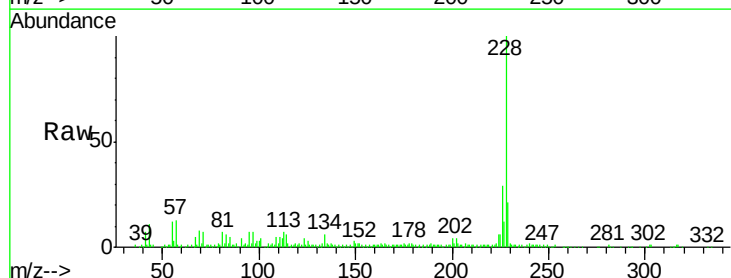
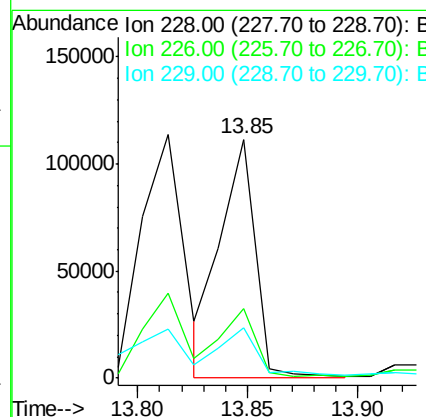
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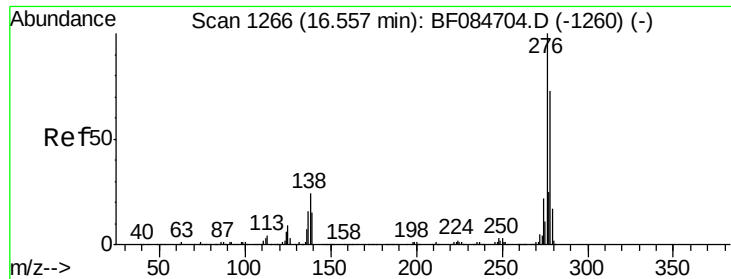
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#82
Chrysene
Concen: 6.63 ng m
RT: 13.85 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF084842.D
Acq: 4 Feb 2016 21:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.3	36.5
229	21.3	16.1	24.1





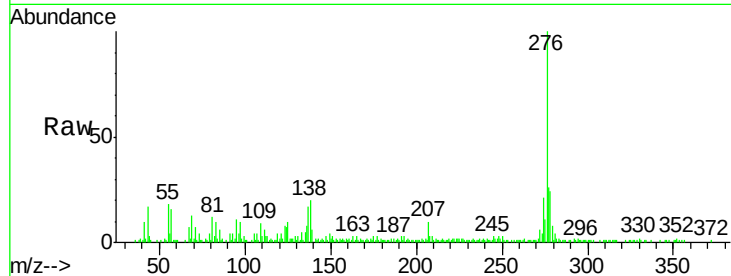
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.84 ng
 RT: 16.48 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: BF084842.D
 Acq: 4 Feb 2016 21:36

Instrument :
 BNA_F
 ClientSampleId :
 S4-B015(1-3)

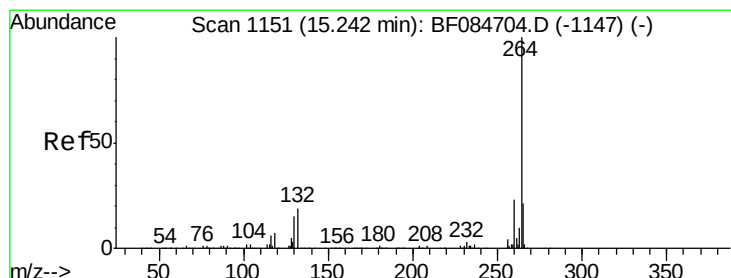
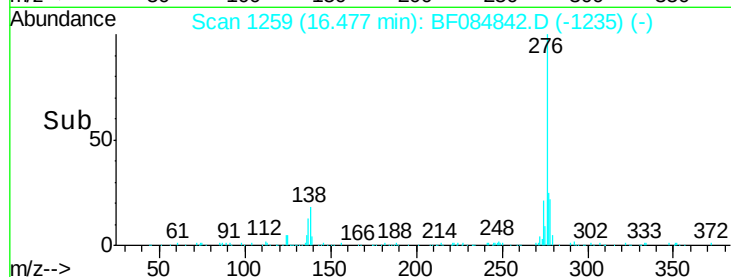
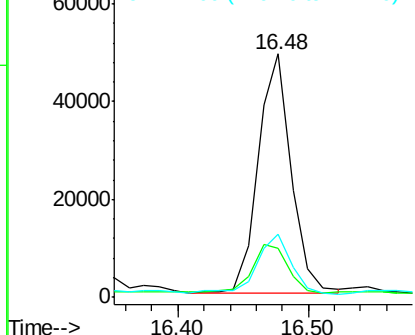
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	20.6	30.8
277	27.0	20.1	30.1

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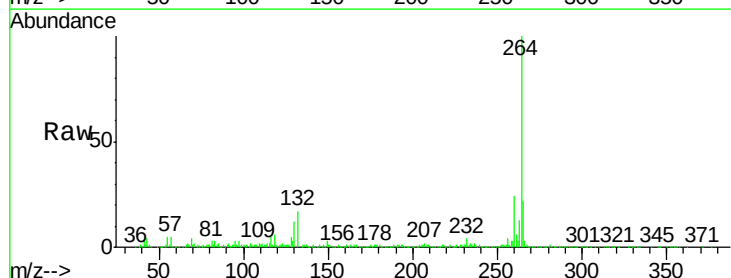


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

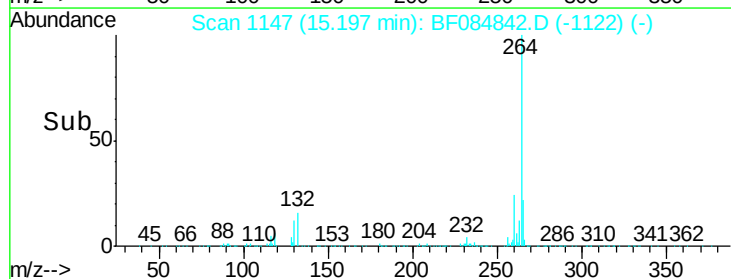
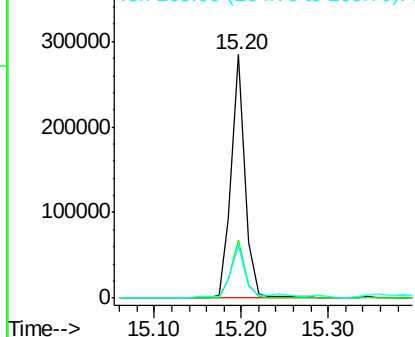


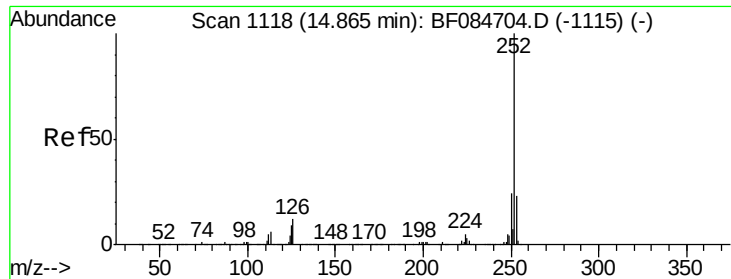
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.20 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BF084842.D
 Acq: 4 Feb 2016 21:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	22.0	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





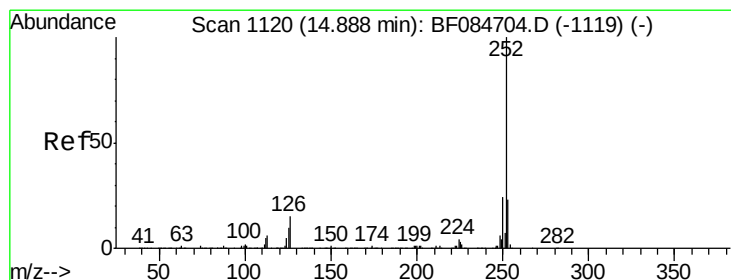
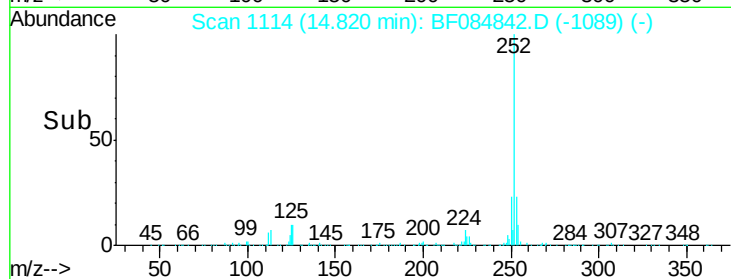
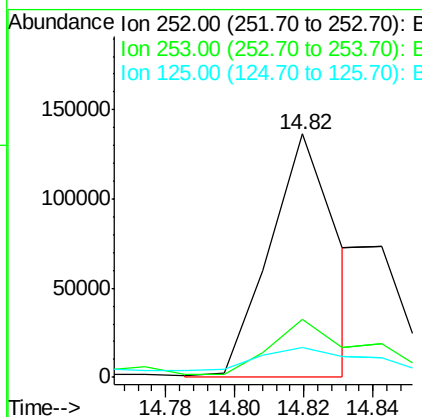
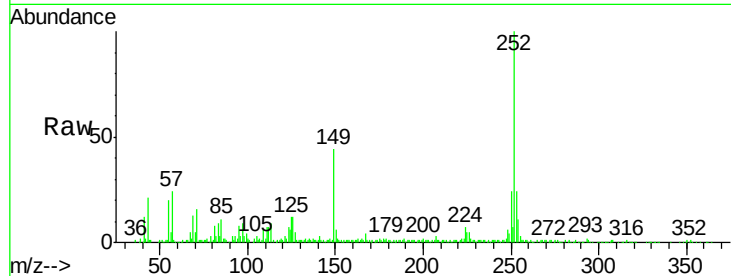
#87
Benzo(b)fluoranthene
Concen: 8.70 ng m
RT: 14.82 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF084842.D
Acq: 4 Feb 2016 21:36

Instrument :
BNA_F
ClientSampleId :
S4-B015(1-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.3	25.9
125	12.1	6.5	9.7

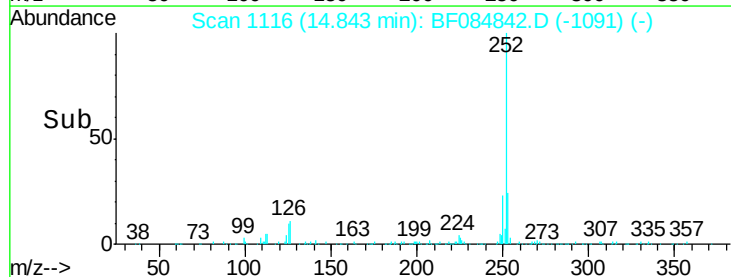
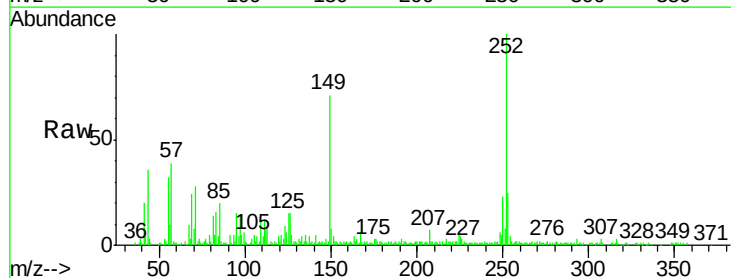
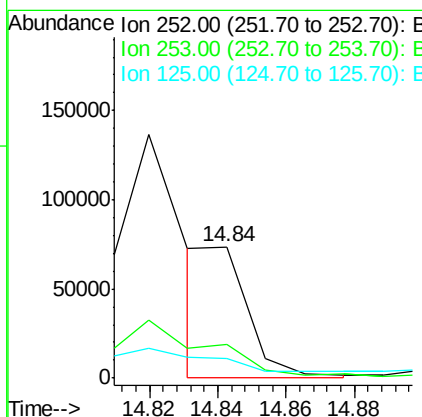
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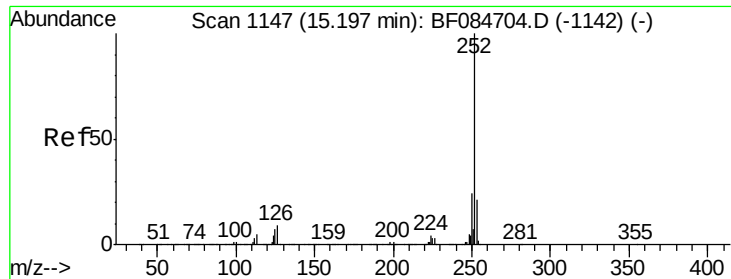
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#88
Benzo(k)fluoranthene
Concen: 3.44 ng m
RT: 14.84 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BF084842.D
Acq: 4 Feb 2016 21:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.1	27.1
125	14.6	9.0	13.6





#89

Benzo(a)pyrene

Concen: 7.47 ng

RT: 15.14 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BF084842.D

Acq: 4 Feb 2016 21:36

Instrument :

BNA_F

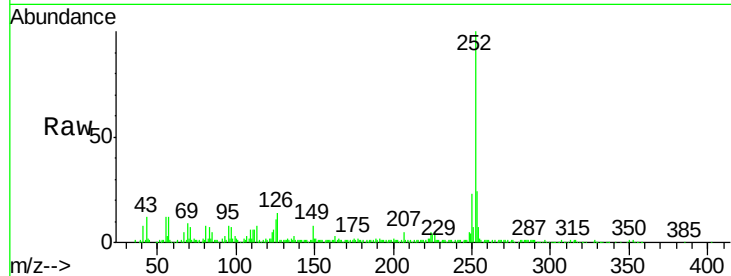
ClientSampleId :

S4-B015(1-3)

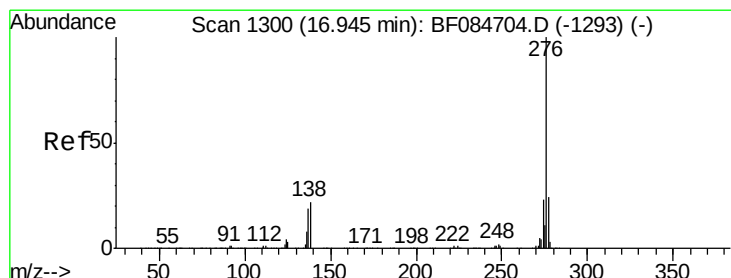
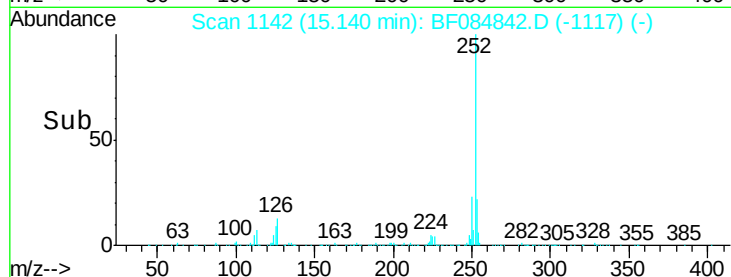
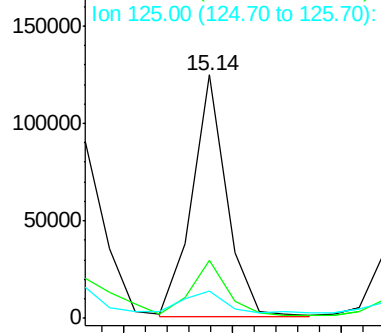
Tot Ion:	252	Resp:	135914
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.3	25.9
125	11.2	7.0	10.4

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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: 5.22 ng

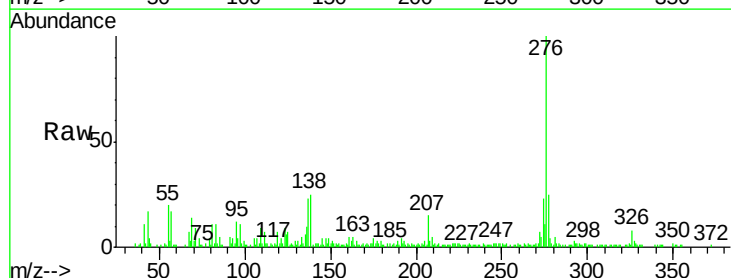
RT: 16.85 min Scan# 1292

Delta R.T. -0.03 min

Lab File: BF084842.D

Acq: 4 Feb 2016 21:36

Tgt Ion:	276	Resp:	80522
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.8	28.2
138	24.9	17.8	26.6



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

