

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032416\
 Data File : BF085745.D
 Acq On : 25 Mar 2016 6:35
 Operator : UM/SJ
 Sample : H1884-16
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-01(4-5)

Manual Integrations
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Quant Time: Mar 25 07:34:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 14:15:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	112669	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	422293	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	188125	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	268701	20.00	ng	0.00
75) Chrysene-d12	13.98	240	212196	20.00	ng	0.00
86) Perylene-d12	15.41	264	208267	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	894344	132.20	ng	0.02
7) Phenol-d6	6.47	99	1146828	133.33	ng	0.01
23) Nitrobenzene-d5	7.40	82	728596	97.16	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	202866	113.50	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	997680	88.60	ng	0.00
78) Terphenyl-d14	12.93	244	526397	51.02	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.58	163	207921	14.57	ng	99
70) Phenanthrene	11.37	178	102424	7.42	ng	99
71) Anthracene	11.42	178	32429m	2.24	ng	
74) Fluoranthene	12.56	202	155902	10.63	ng	89
77) Pyrene	12.78	202	159755	9.16	ng	98
80) Benzo(a)anthracene	13.97	228	100363	8.29	ng	95
82) Chrysene	14.00	228	84573m	6.94	ng	
83) Bis(2-ethylhexyl)phthalate	13.97	149	28535	3.26	ng	# 91
85) Indeno(1,2,3-cd)pyrene	16.79	276	39904	4.24	ng	98
87) Benzo(b)fluoranthene	15.00	252	111358m	8.49	ng	
88) Benzo(k)fluoranthene	15.01	252	52145m	4.41	ng	
89) Benzo(a)pyrene	15.35	252	71251	6.12	ng	# 82
91) Benzo(g,h,i)perylene	17.21	276	37659	3.44	ng	94

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

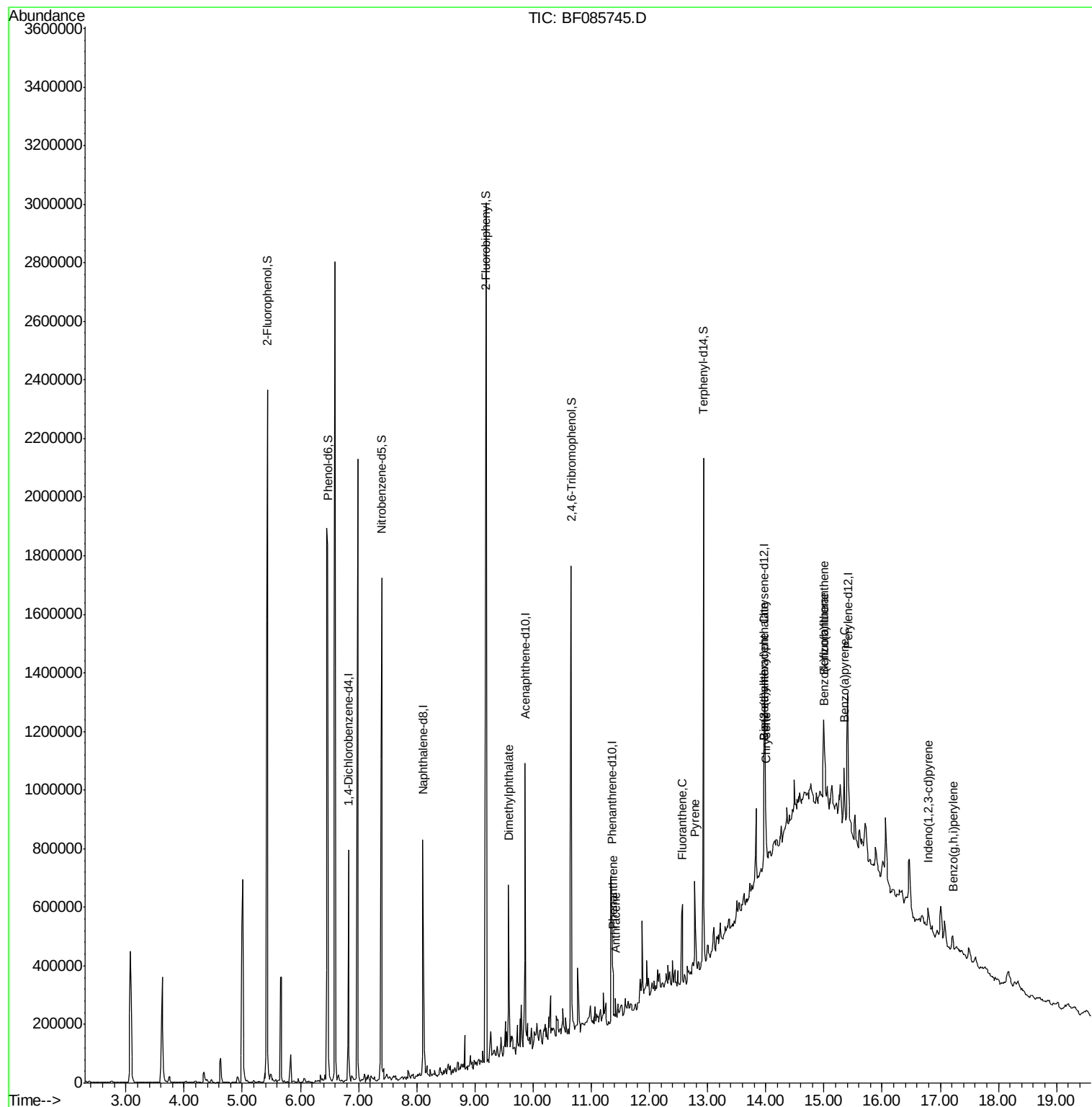
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032416\
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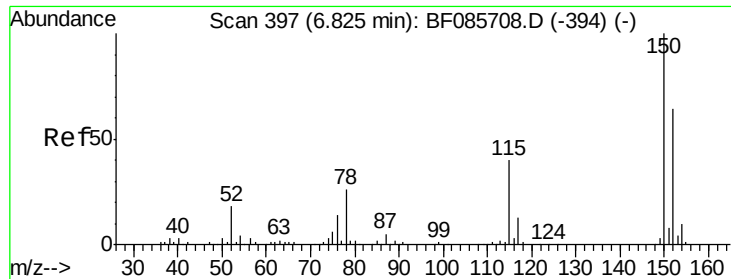
Instrument :
BNA_F
ClientSampleId :
GW-01(4-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 397

Delta R.T. 0.00 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

Instrument :

BNA_F

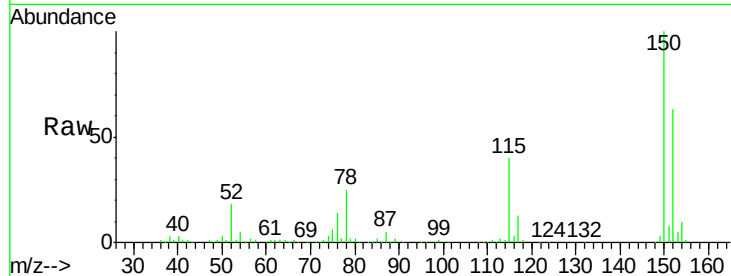
ClientSampleId :

GW-01(4-5)

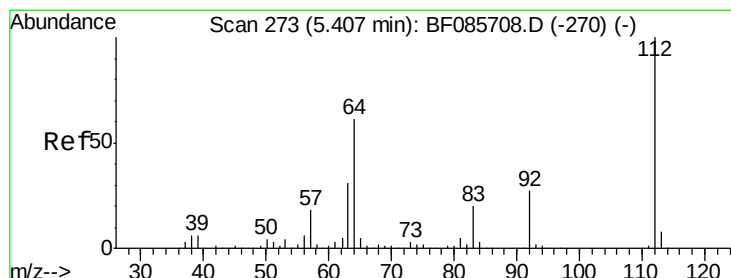
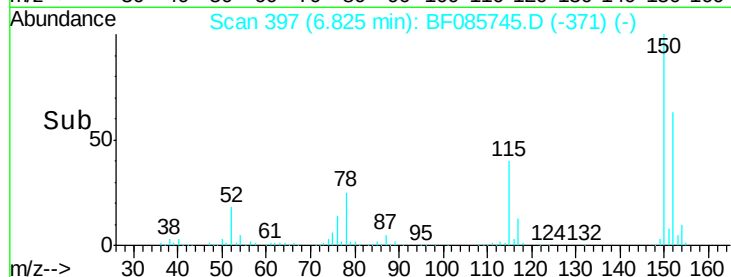
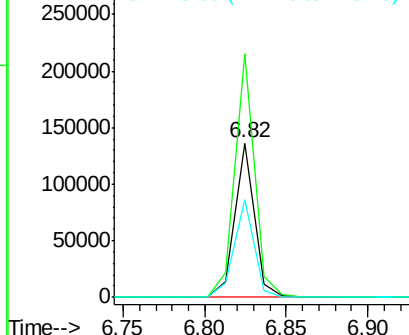
Tgt Ion:	152	Resp:	112669
Ion Ratio	Lower	Upper	
152	100		
150	157.5	124.2	186.2
115	62.8	47.0	70.6

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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: 132.20 ng

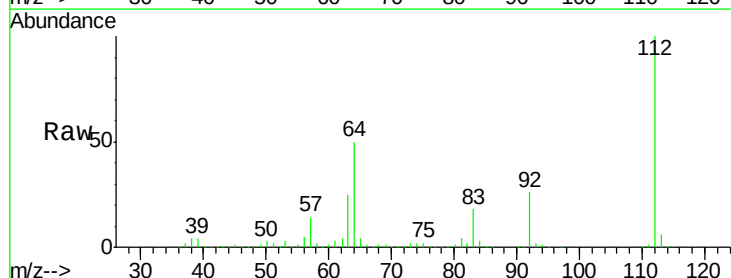
RT: 5.43 min Scan# 275

Delta R.T. 0.02 min

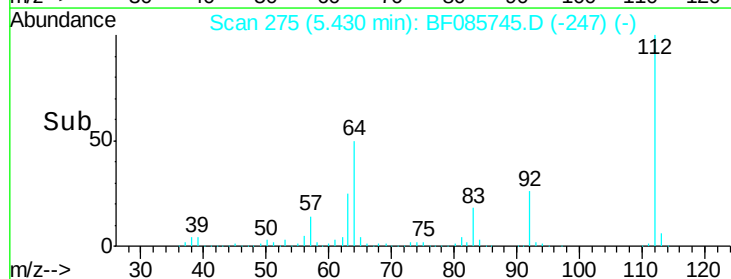
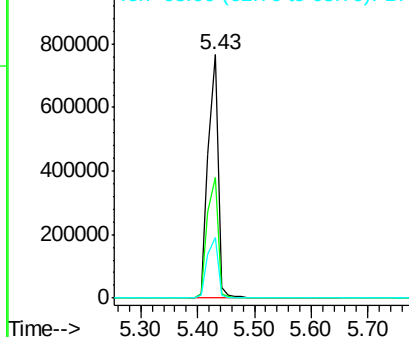
Lab File: BF085745.D

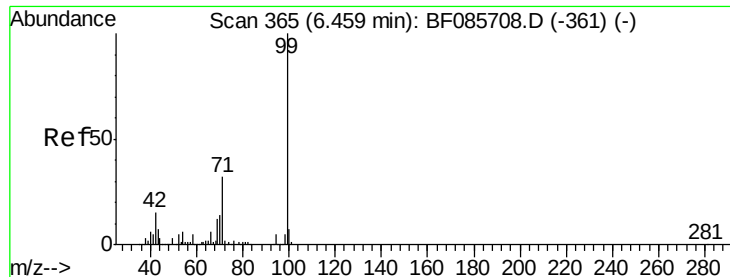
Acq: 25 Mar 2016 6:35

Tgt Ion:	112	Resp:	894344
Ion Ratio	Lower	Upper	
112	100		
64	49.8	39.9	59.9
63	25.1	20.2	30.2



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: 133.33 ng

RT: 6.47 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

Instrument :

BNA_F

ClientSampled :

GW-01(4-5)

Tgt Ion: 99 Resp: 1146828

Ion Ratio Lower Upper

99 100

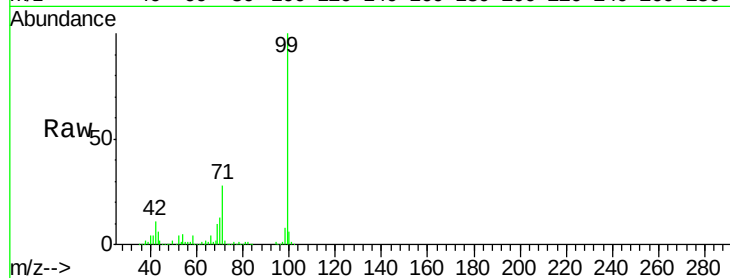
42 11.0 11.1 16.7#

71 27.7 24.9 37.3

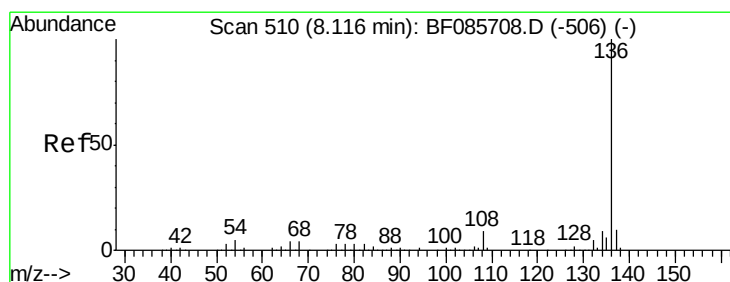
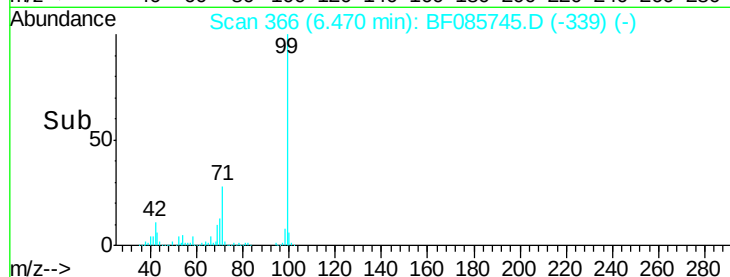
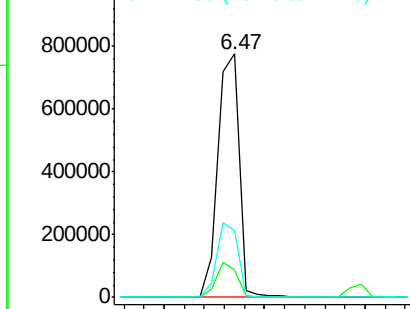
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

Tgt Ion: 136 Resp: 422293

Ion Ratio Lower Upper

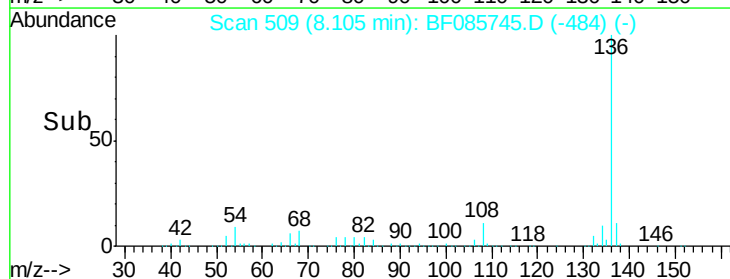
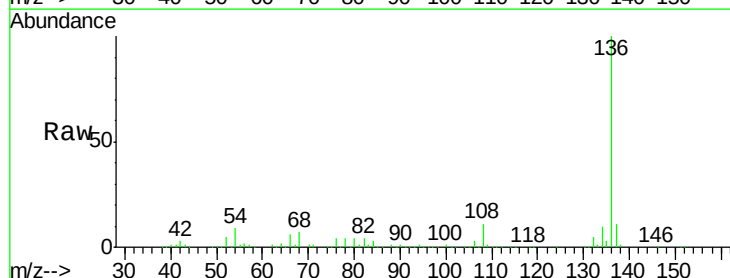
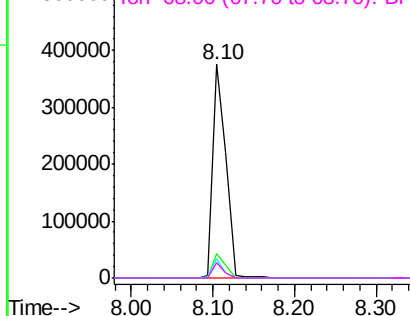
136 100

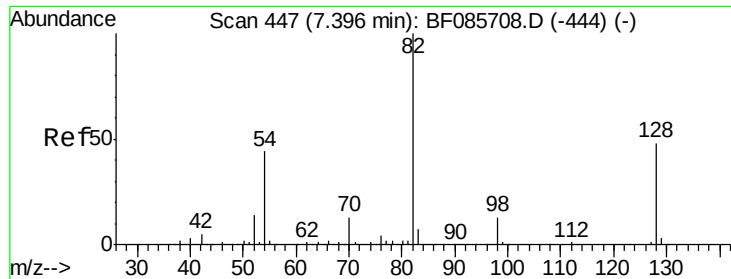
137 11.3 9.1 13.7

54 8.9 7.4 11.0

68 7.4 5.8 8.8

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





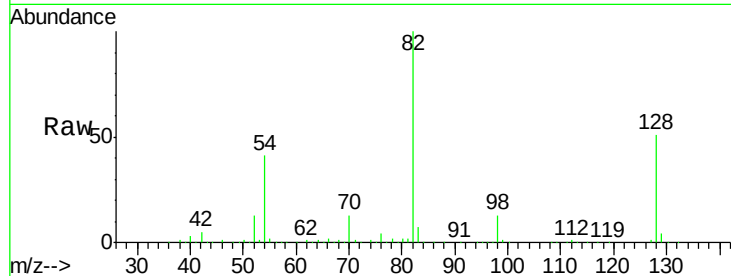
#23
 Nitrobenzene-d5
 Concen: 97.16 ng
 RT: 7.40 min Scan# 447
 Delta R.T. 0.00 min
 Lab File: BF085745.D
 Acq: 25 Mar 2016 6:35

Instrument :
 BNA_F
 ClientSampleId :
 GW-01(4-5)

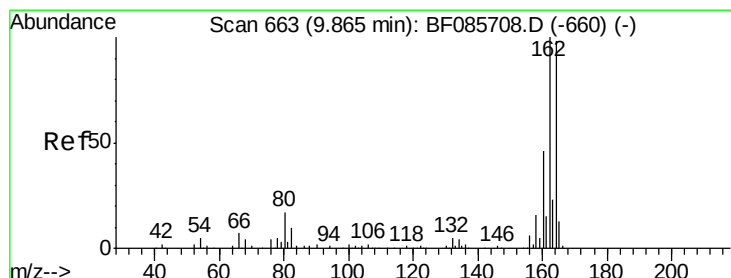
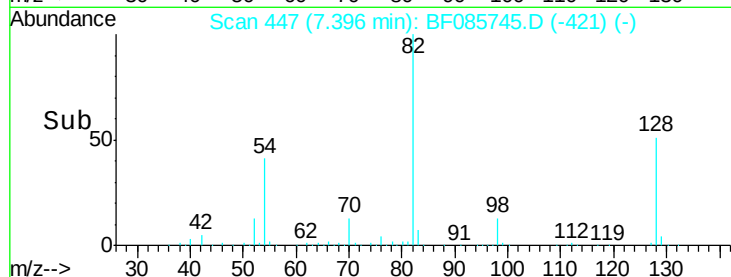
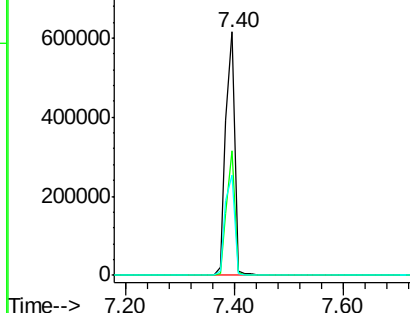
Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	51.1	41.8	62.8
54	41.3	33.4	50.0

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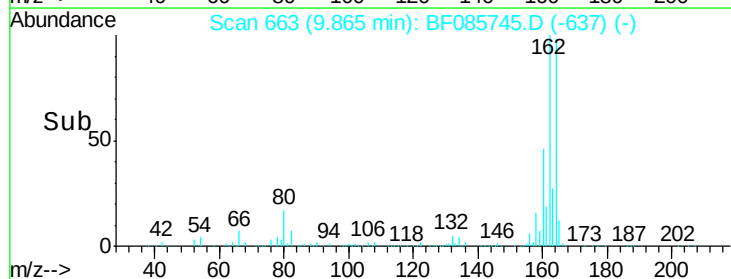
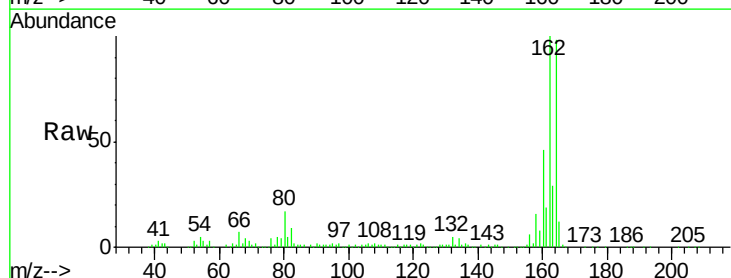
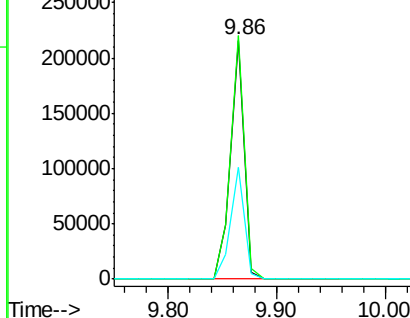
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

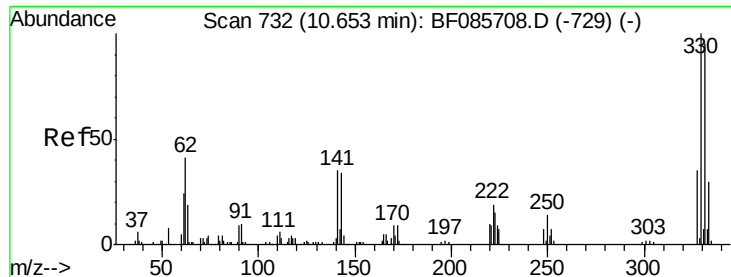


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: BF085745.D
 Acq: 25 Mar 2016 6:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	102.0	82.1	123.1
160	46.9	37.4	56.2

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





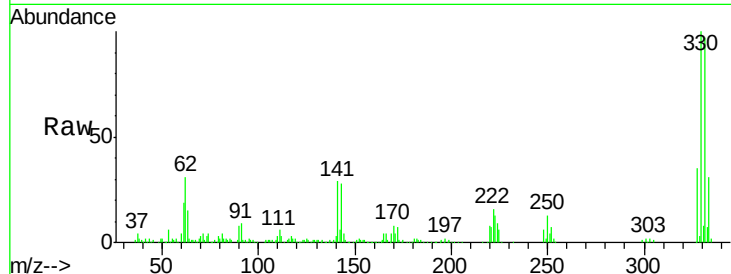
#41
 2,4,6-Tribromophenol
 Concen: 113.50 ng
 RT: 10.65 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: BF085745.D
 Acq: 25 Mar 2016 6:35

Instrument :
 BNA_F
 ClientSampleId :
 GW-01(4-5)

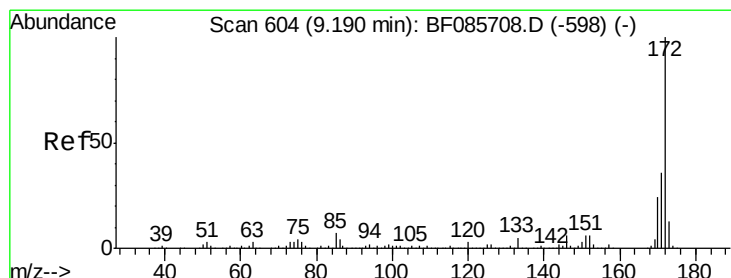
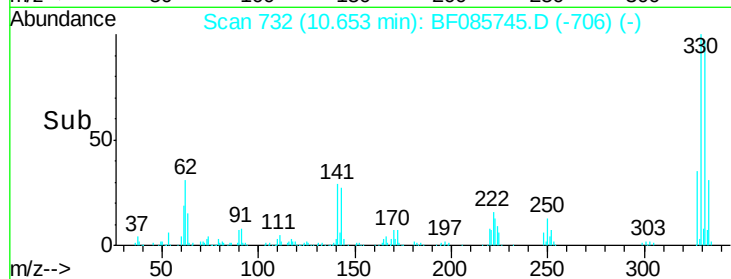
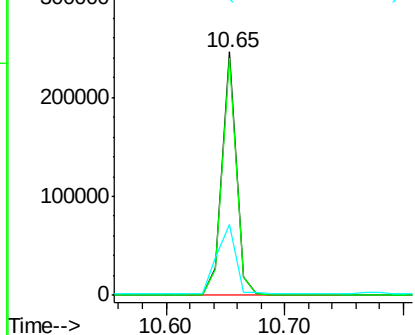
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	202866		
332	97.7	78.2	117.2	
141	39.2	31.5	47.3	

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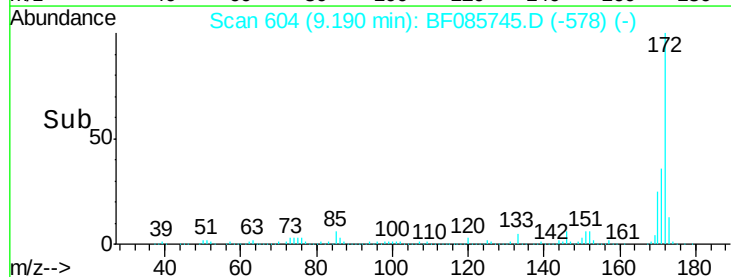
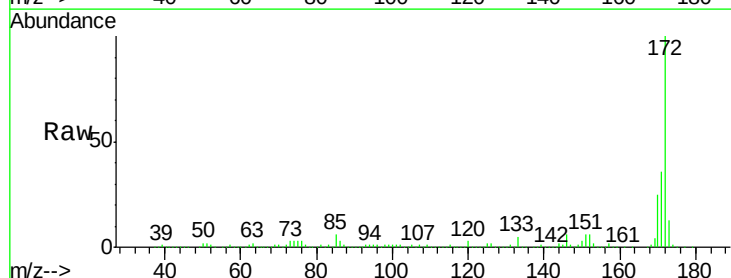
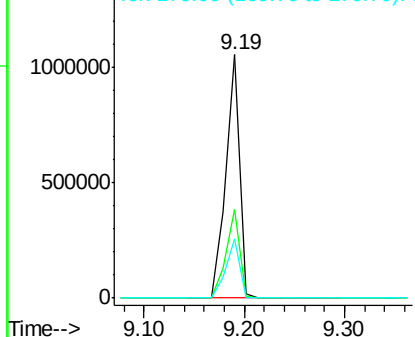
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

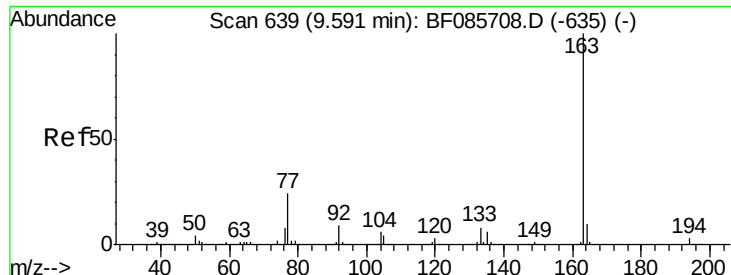


#44
 2-Fluorobiphenyl
 Concen: 88.60 ng
 RT: 9.19 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: BF085745.D
 Acq: 25 Mar 2016 6:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	997680		
171	36.4	29.4	44.2	
170	24.6	19.8	29.6	

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





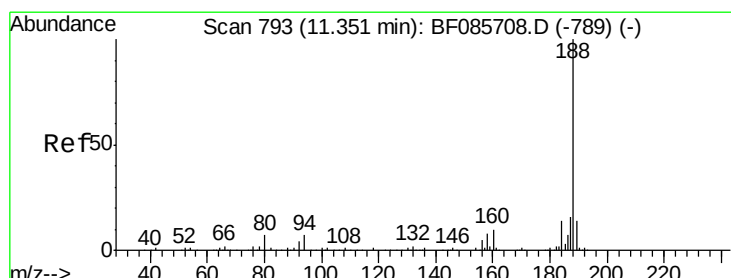
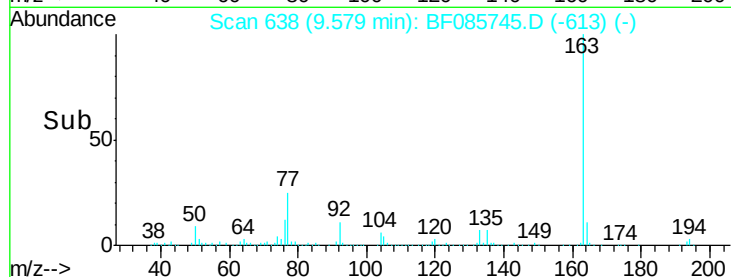
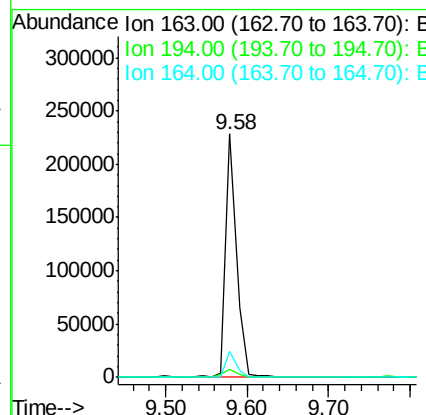
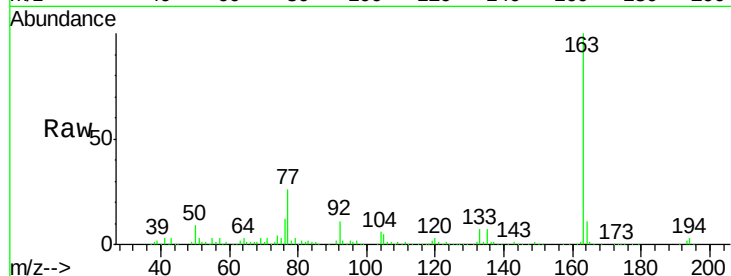
#49
Dimethylphthalate
Concen: 14.57 ng
RT: 9.58 min Scan# 638
Delta R.T. -0.01 min
Lab File: BF085745.D
Acq: 25 Mar 2016 6:35

Instrument :
BNA_F
ClientSampleId :
GW-01(4-5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.3	2.9	4.3
164	10.6	8.3	12.5

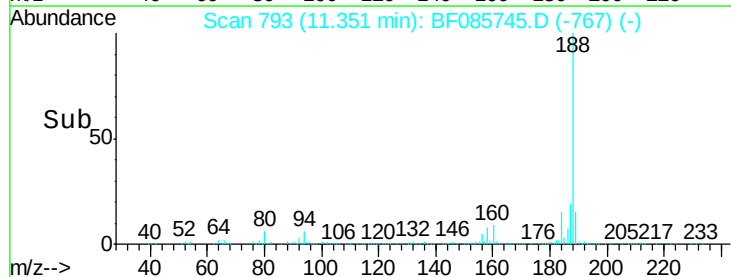
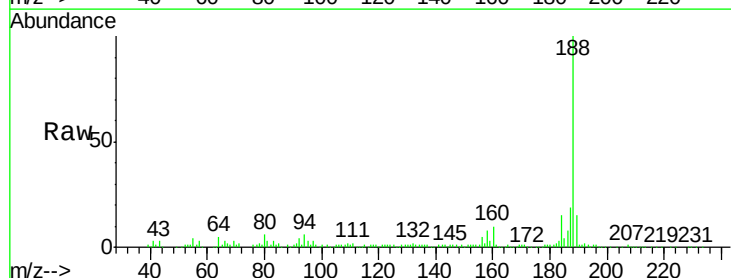
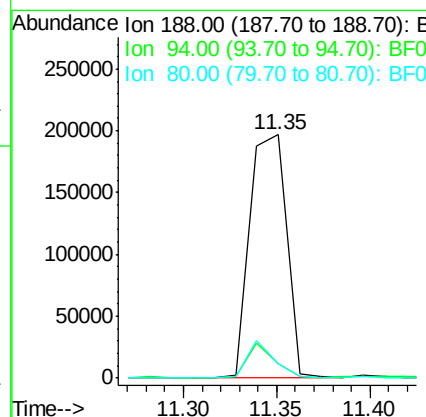
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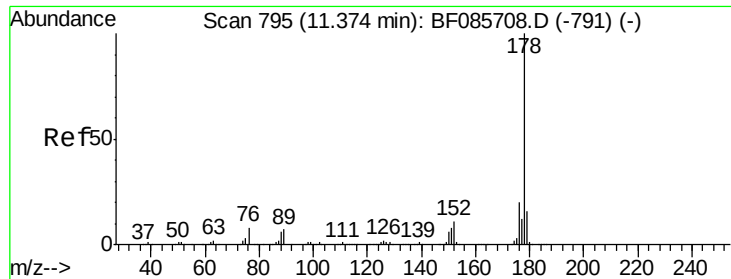
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF085745.D
Acq: 25 Mar 2016 6:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.1	5.4	8.0
80	6.1	5.5	8.3





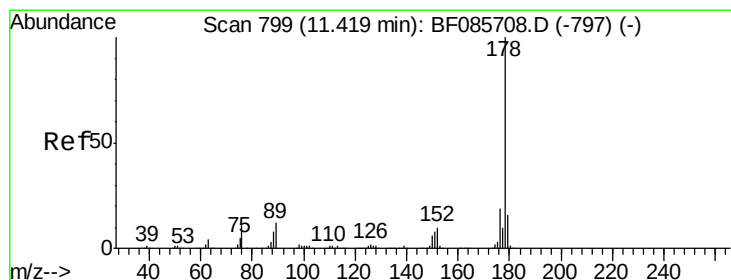
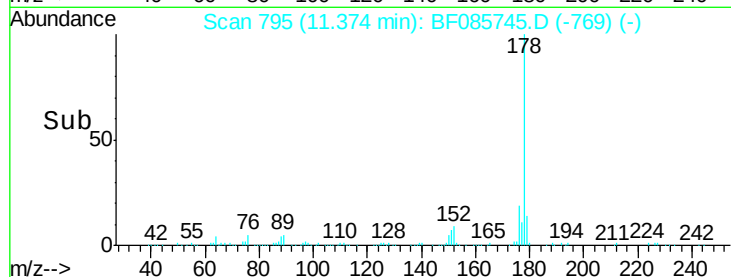
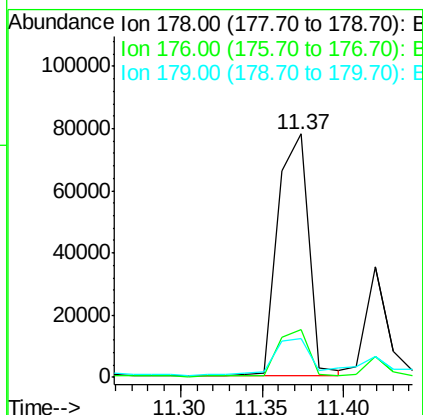
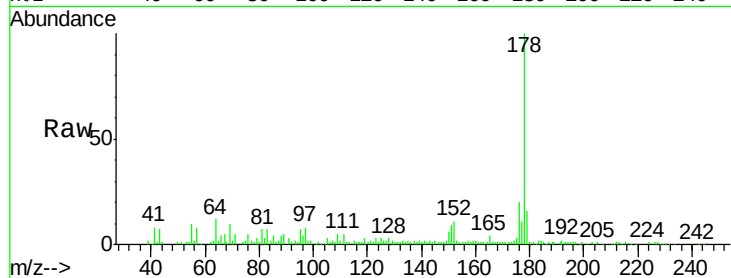
#70
Phenanthrene
Concen: 7.42 ng
RT: 11.37 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF085745.D
Acq: 25 Mar 2016 6:35

Instrument :
BNA_F
ClientSampled :
GW-01(4-5)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.3	24.5
179	15.9	12.6	18.8

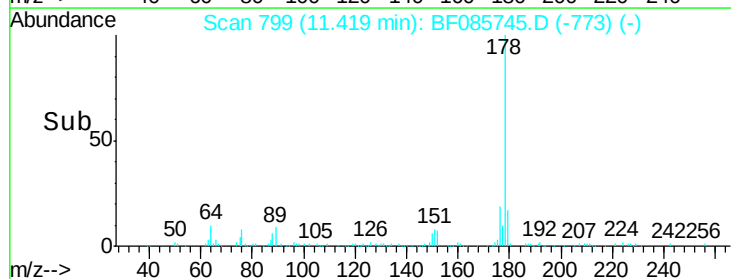
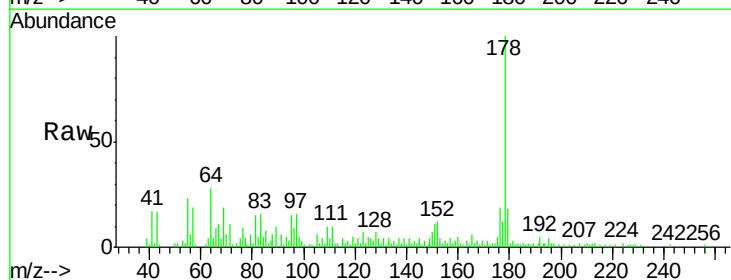
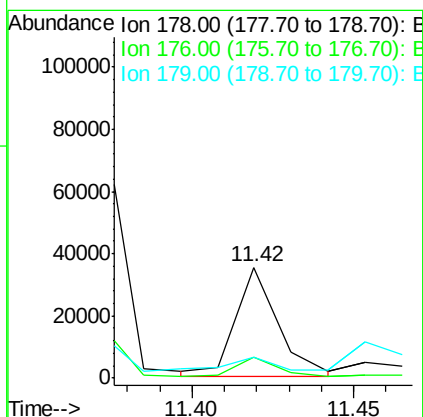
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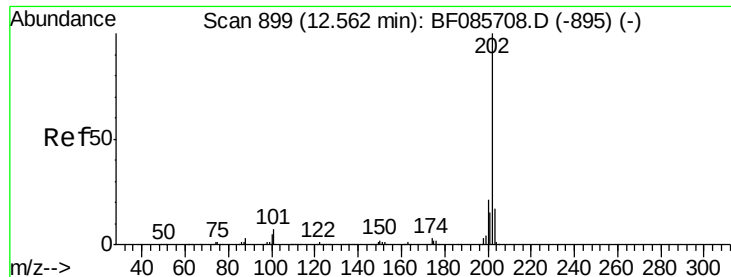
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#71
Anthracene
Concen: 2.24 ng m
RT: 11.42 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF085745.D
Acq: 25 Mar 2016 6:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	18.4	13.0	19.4





#74

Fluoranthene

Concen: 10.63 ng

RT: 12.56 min Scan# 899

Delta R.T. 0.00 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

Instrument :

BNA_F

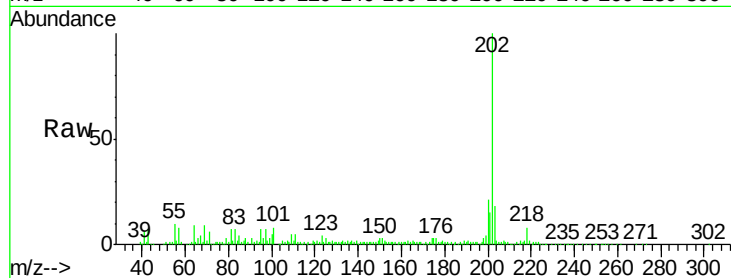
ClientSampleId :

GW-01(4-5)

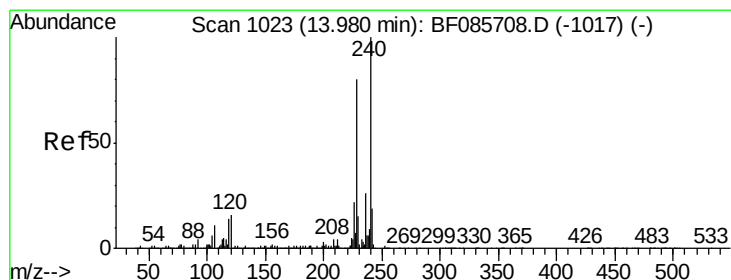
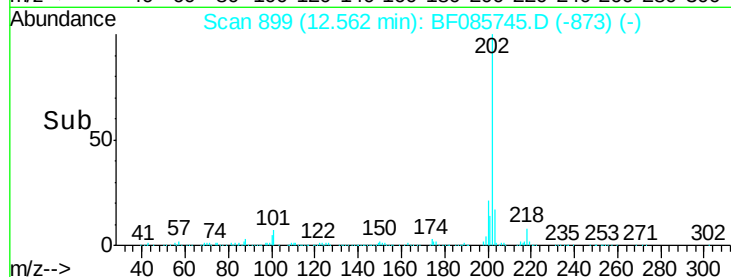
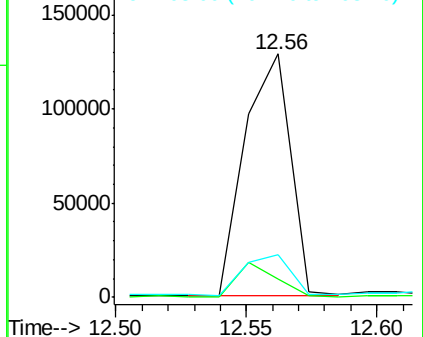
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		155902		
101	7.5	0.0	36.6		
203	17.7	0.0	38.1		

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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

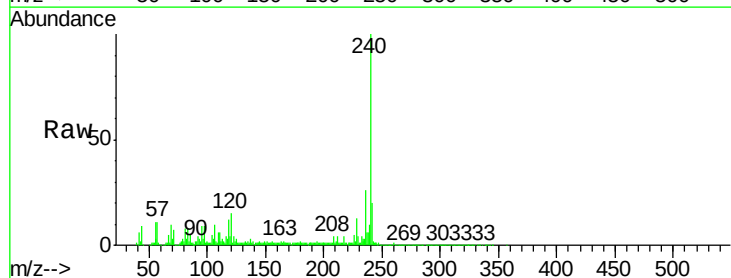
RT: 13.98 min Scan# 1023

Delta R.T. 0.00 min

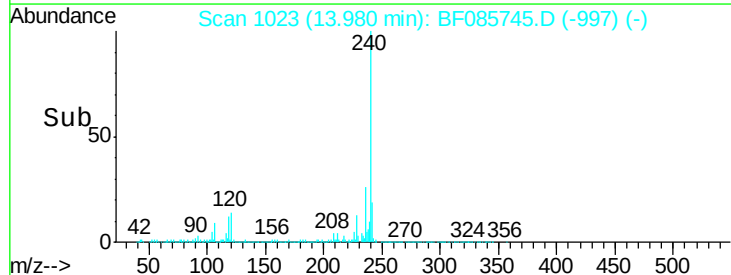
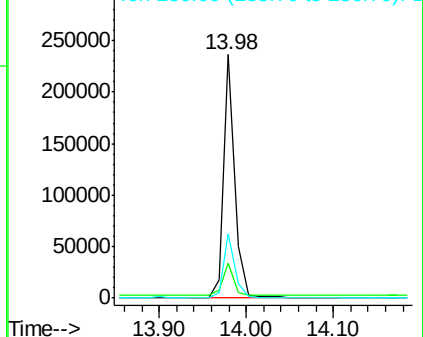
Lab File: BF085745.D

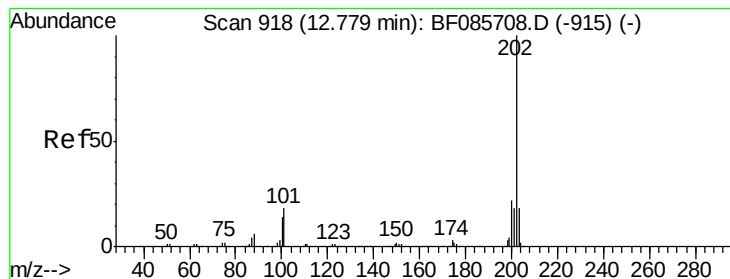
Acq: 25 Mar 2016 6:35

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		212196		
120	14.5	13.8	20.8		
236	26.3	20.6	30.8		



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: 9.16 ng

RT: 12.78 min Scan# 918

Delta R.T. 0.00 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

Instrument :

BNA_F

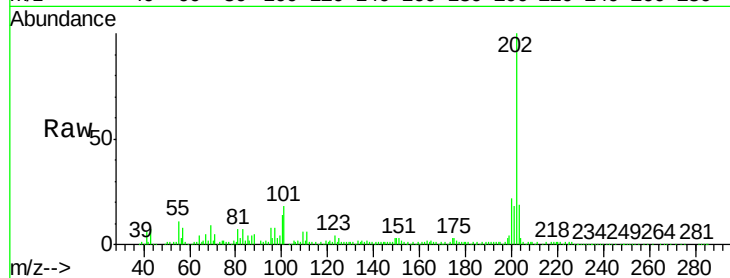
ClientSampleId :

GW-01(4-5)

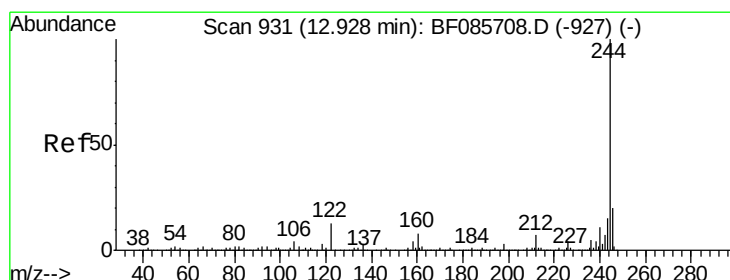
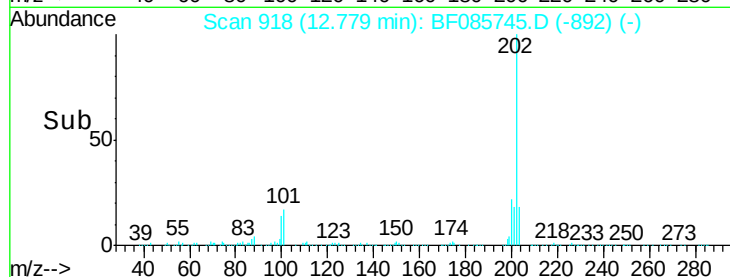
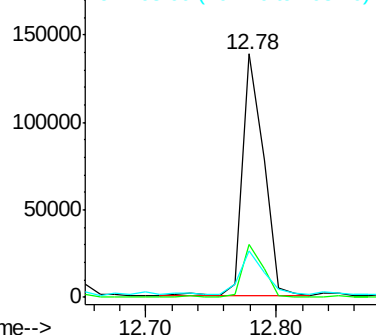
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		159755		
200	21.6	17.6	26.4		
203	19.2	14.0	21.0		

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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: 51.02 ng

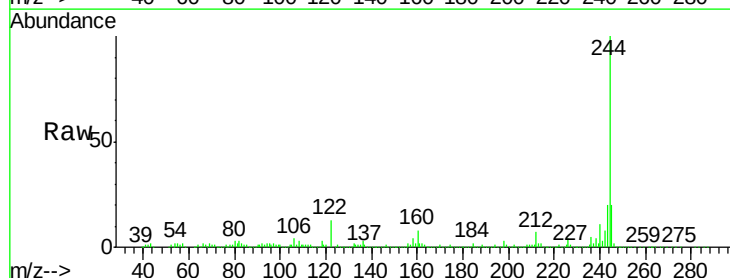
RT: 12.93 min Scan# 931

Delta R.T. 0.00 min

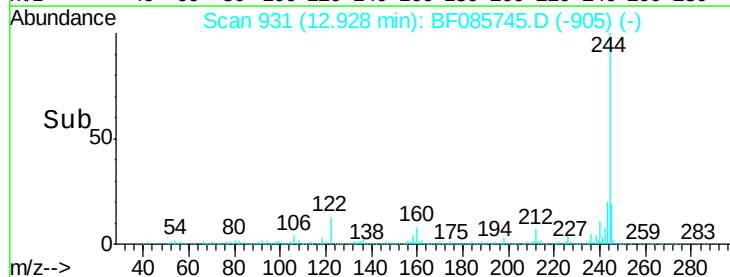
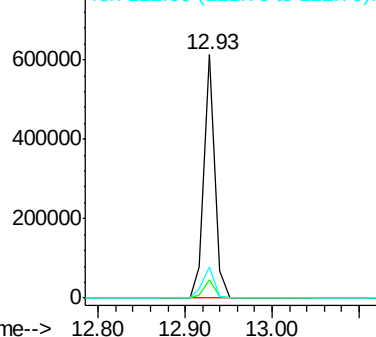
Lab File: BF085745.D

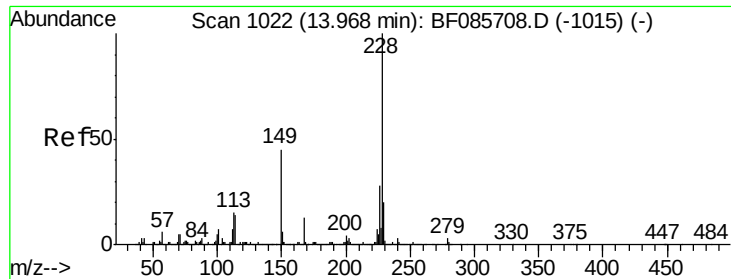
Acq: 25 Mar 2016 6:35

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		526397		
212	7.4	6.1	9.1		
122	13.0	10.2	15.4		



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





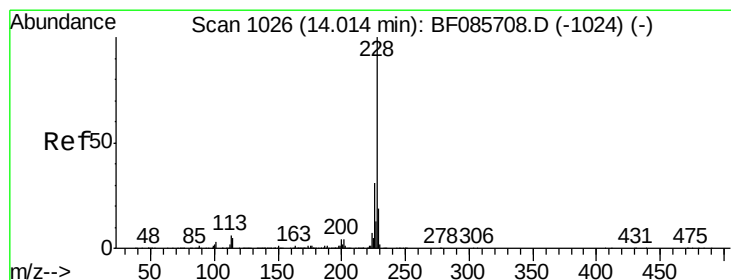
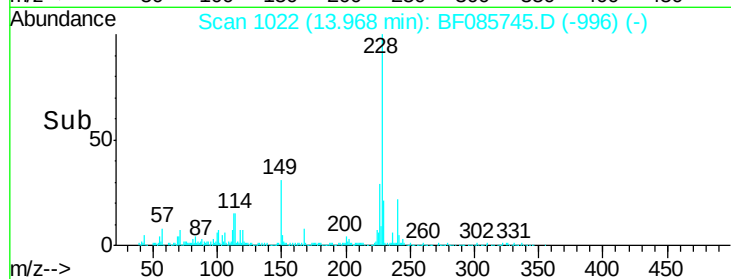
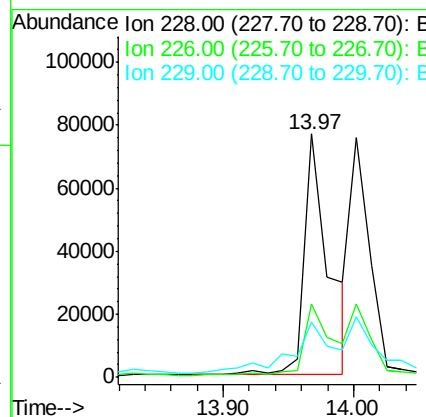
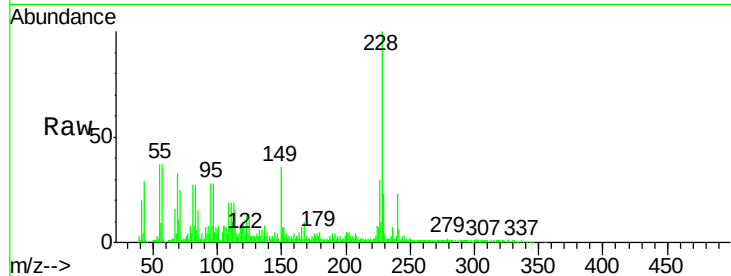
#80
Benzo(a)anthracene
Concen: 8.29 ng
RT: 13.97 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF085745.D
Acq: 25 Mar 2016 6:35

Instrument :
BNA_F
ClientSampled :
GW-01(4-5)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.1	33.1
229	23.0	16.2	24.4

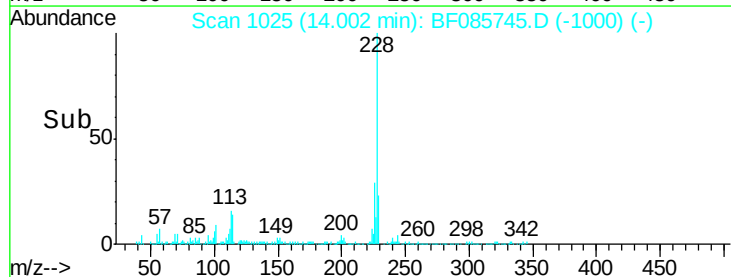
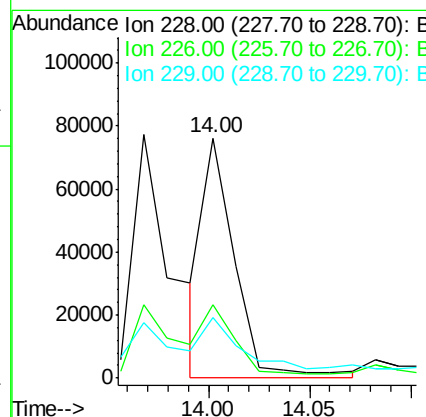
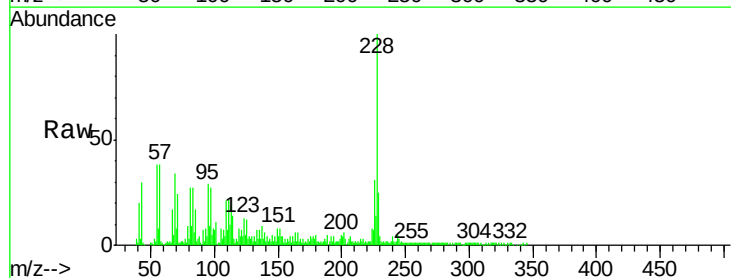
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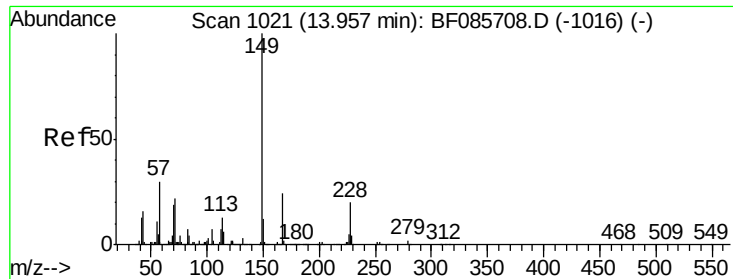
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#82
Chrysene
Concen: 6.94 ng m
RT: 14.00 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF085745.D
Acq: 25 Mar 2016 6:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	25.3	15.7	23.5#





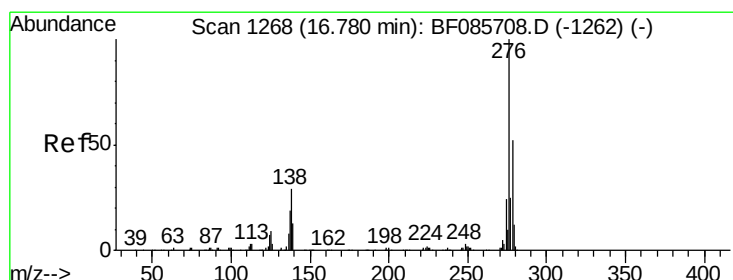
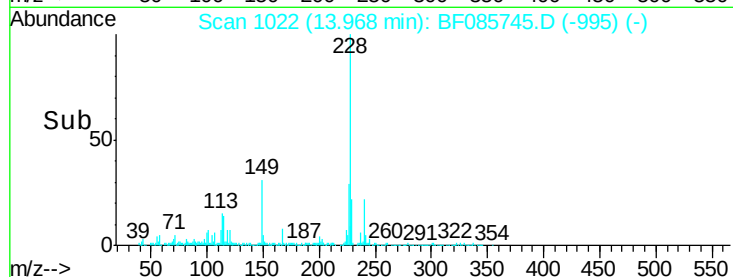
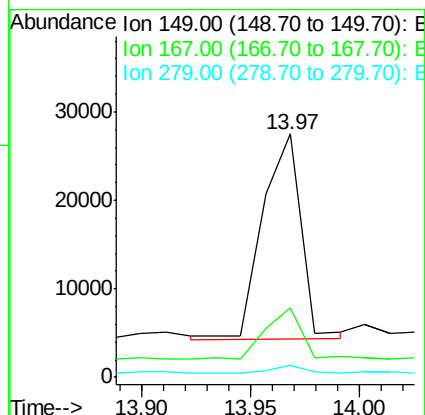
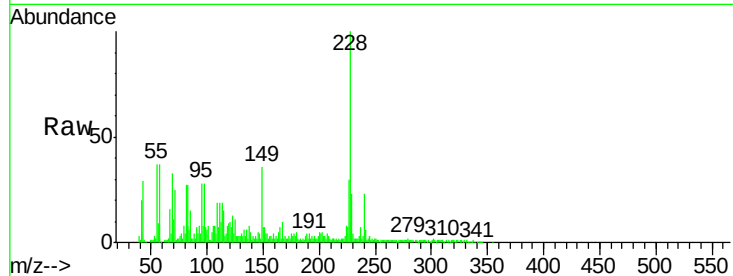
#83
Bis(2-ethylhexyl)phthalate
Concen: 3.26 ng
RT: 13.97 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BF085745.D
Acq: 25 Mar 2016 6:35

Instrument :
BNA_F
ClientSampleId :
GW-01(4-5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	28.7	19.4	29.2
279	5.2	1.5	2.3

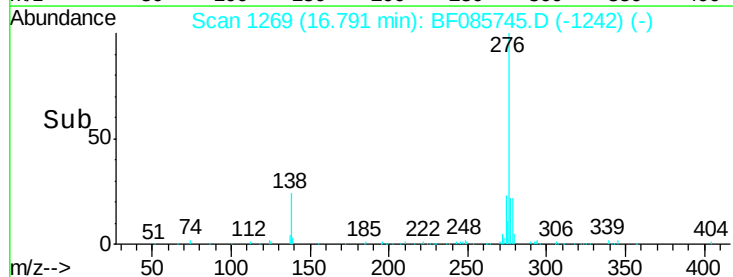
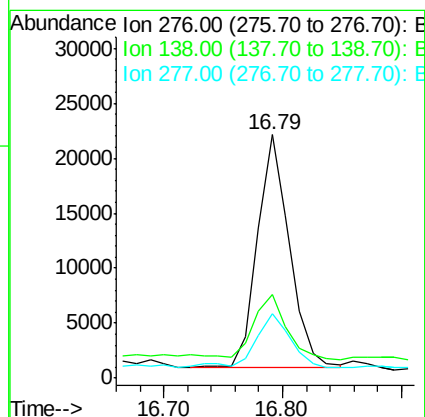
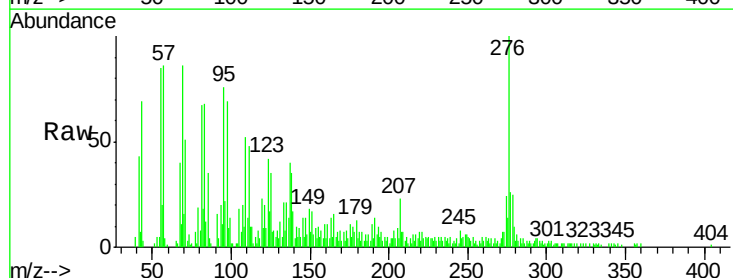
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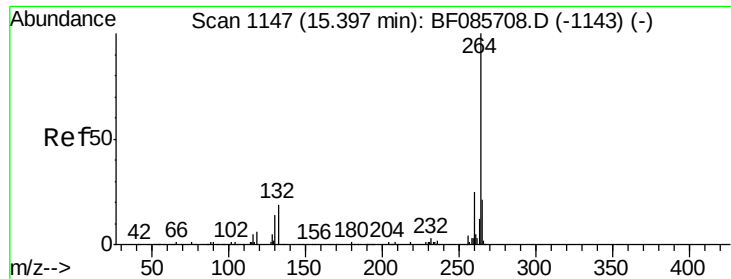
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.24 ng
RT: 16.79 min Scan# 1269
Delta R.T. 0.01 min
Lab File: BF085745.D
Acq: 25 Mar 2016 6:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	28.9	24.2	36.4
277	26.1	20.0	30.0





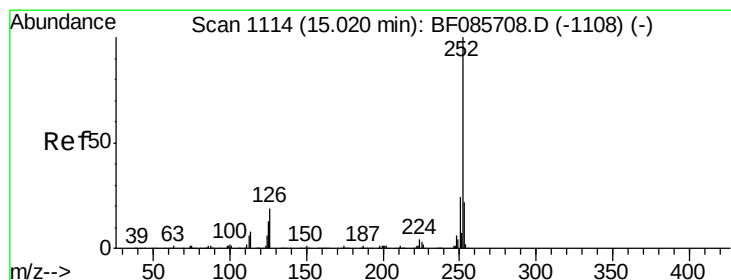
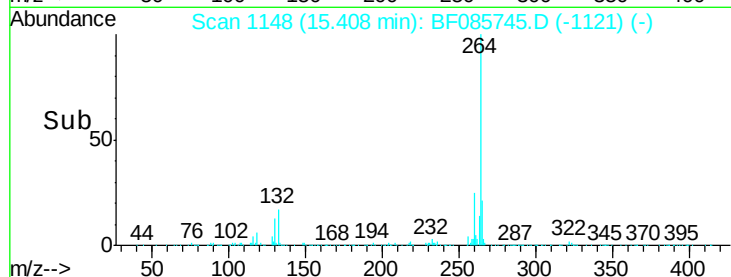
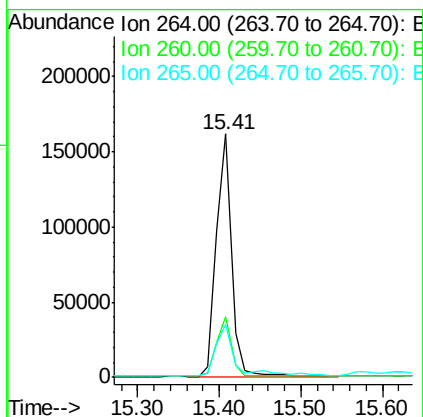
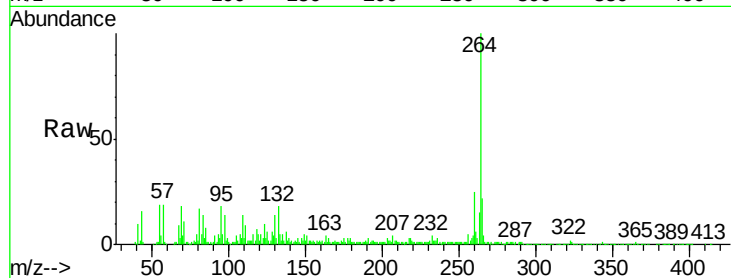
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BF085745.D
Acq: 25 Mar 2016 6:35

Instrument :
BNA_F
ClientSampleId :
GW-01(4-5)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.4	29.2
265	22.0	17.2	25.8

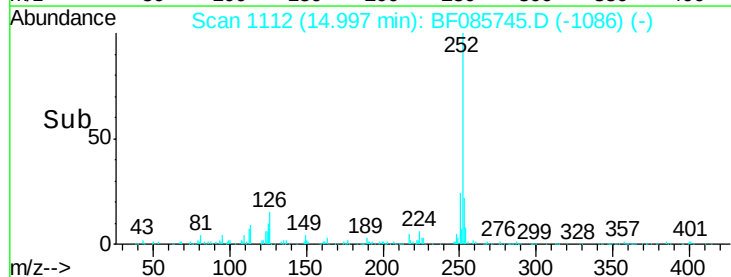
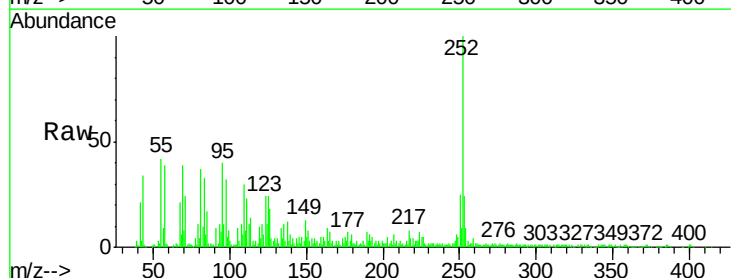
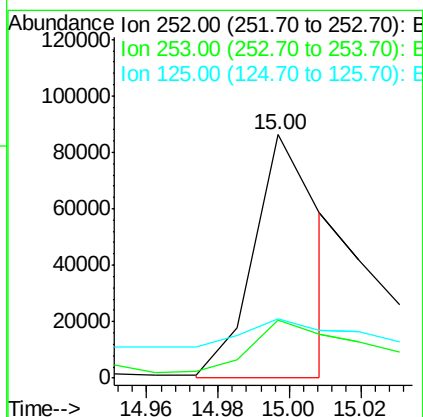
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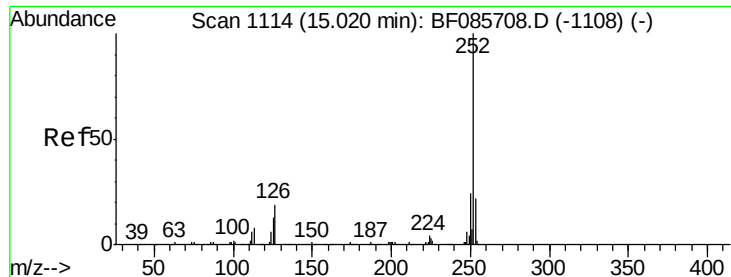
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#87
Benzo(b)fluoranthene
Concen: 8.49 ng m
RT: 15.00 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BF085745.D
Acq: 25 Mar 2016 6:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.6	26.4
125	24.5	10.3	15.5#





#88

Benzo(k)fluoranthene

Concen: 4.41 ng m

RT: 15.01 min Scan# 1113

Delta R.T. -0.01 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

Instrument :

BNA_F

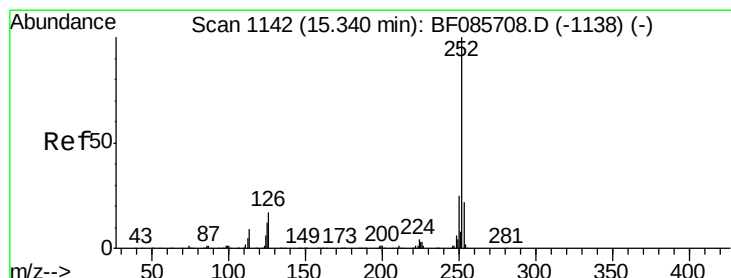
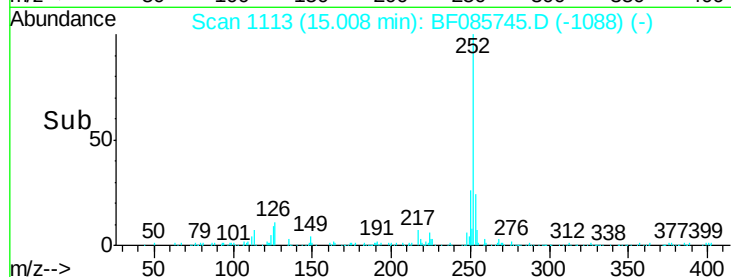
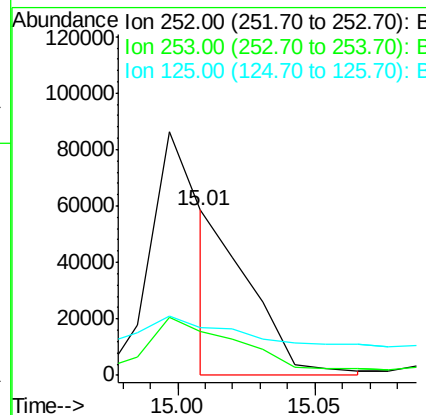
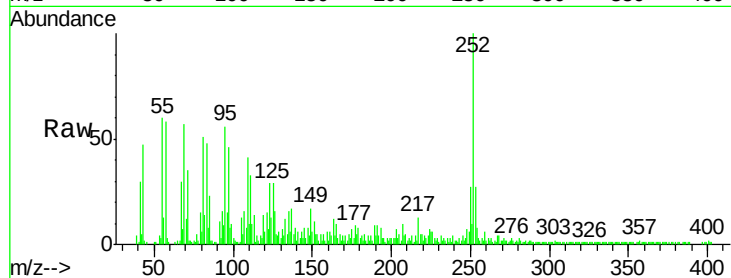
ClientSampleId :

GW-01(4-5)

Tgt Ion:	252	Resp:	52145
Ion Ratio	Lower	Upper	
252	100		
253	26.5	17.8	26.6
125	28.8	7.7	11.5#

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#89

Benzo(a)pyrene

Concen: 6.12 ng

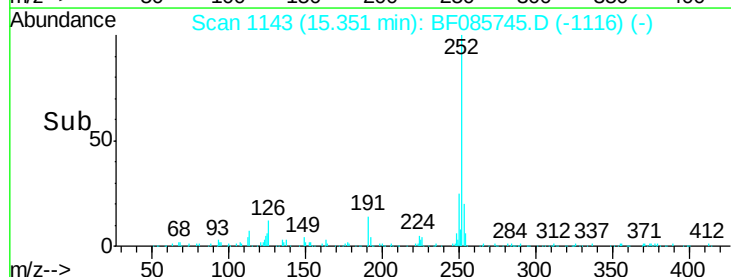
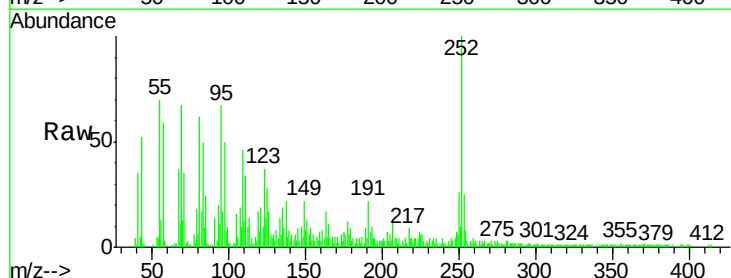
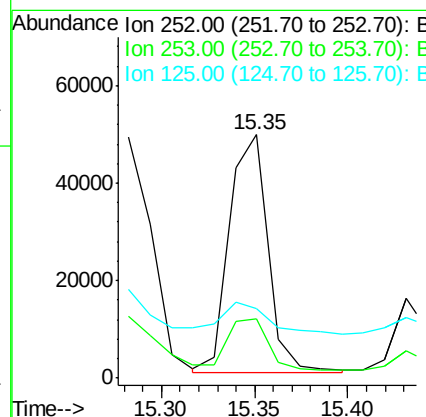
RT: 15.35 min Scan# 1143

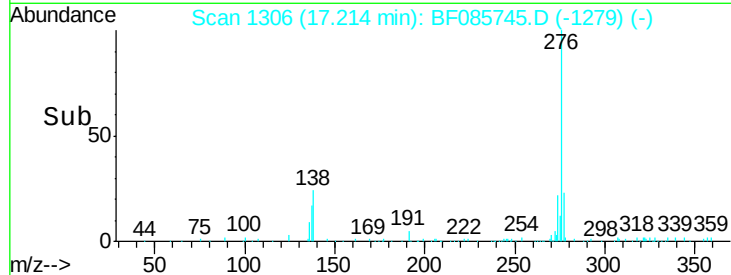
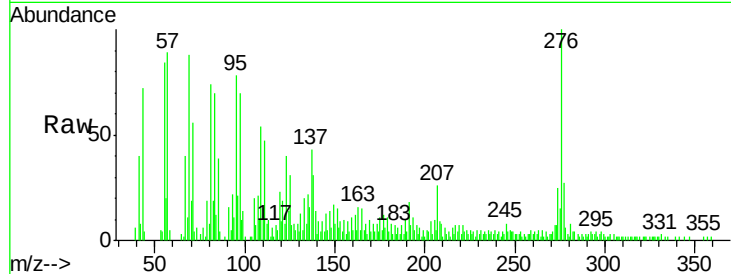
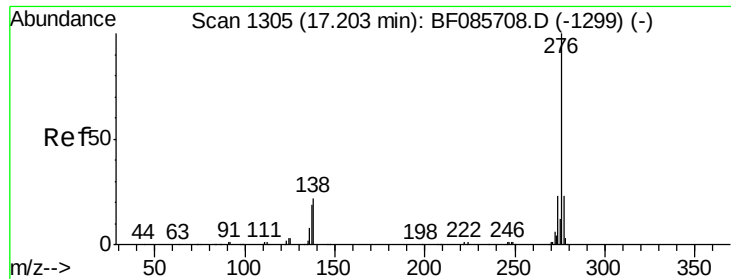
Delta R.T. 0.01 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

Tgt Ion:	252	Resp:	71251
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.4	26.0
125	28.4	10.3	15.5#





#91
Benzo(g,h,i)perylene
Concen: 3.44 ng
RT: 17.21 min Scan# 1306
Delta R.T. 0.01 min
Lab File: BF085745.D
Acq: 25 Mar 2016 6:35

Instrument :
BNA_F
ClientSampleId :
GW-01(4-5)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.6	18.8	28.2
138	31.5	22.6	34.0

Manual Integrations
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