

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
 Data File : BF085842.D
 Acq On : 29 Mar 2016 10:19
 Operator : UM/SJ
 Sample : H1834-02
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8

Manual Integrations
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Sohil
 3/29/2016 5:04:39 PM

Quant Time: Mar 29 12:43:20 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 28 15:27:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	111726	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	416588	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	186769	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	307478	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	185265	20.00	ng	0.00
86) Perylene-d12	15.40	264	211348	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	896651	133.66	ng	0.01
7) Phenol-d6	6.46	99	1101860	129.18	ng	0.00
23) Nitrobenzene-d5	7.38	82	738037	99.77	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	243738	137.35	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	1087176	97.25	ng	-0.01
78) Terphenyl-d14	12.93	244	801761	89.00	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.58	163	426836	30.12	ng	98
51) Acenaphthene	9.89	154	36318	3.15	ng	98
57) Fluorene	10.40	166	43385	3.50	ng	100
70) Phenanthrene	11.36	178	532635	33.74	ng	99
71) Anthracene	11.42	178	133014	8.03	ng	98
72) Carbazole	11.57	167	86189	6.19	ng	99
73) Di-n-butylphthalate	11.90	149	44268	2.32	ng	99
74) Fluoranthene	12.55	202	592107	35.28	ng	94
77) Pyrene	12.78	202	582963	38.28	ng	99
80) Benzo(a)anthracene	13.97	228	315356	29.85	ng	96
82) Chrysene	14.00	228	290227m	27.28	ng	
85) Indeno(1,2,3-cd)pyrene	16.78	276	129674	15.78	ng	94
87) Benzo(b)fluoranthene	14.99	252	337981m	25.38	ng	
88) Benzo(k)fluoranthene	15.01	252	73627m	6.13	ng	
89) Benzo(a)pyrene	15.34	252	243600	20.61	ng	# 95
90) Dibenzo(a,h)anthracene	16.78	278	33312	3.03	ng	# 81
91) Benzo(g,h,i)perylene	17.19	276	130324	11.72	ng	97

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

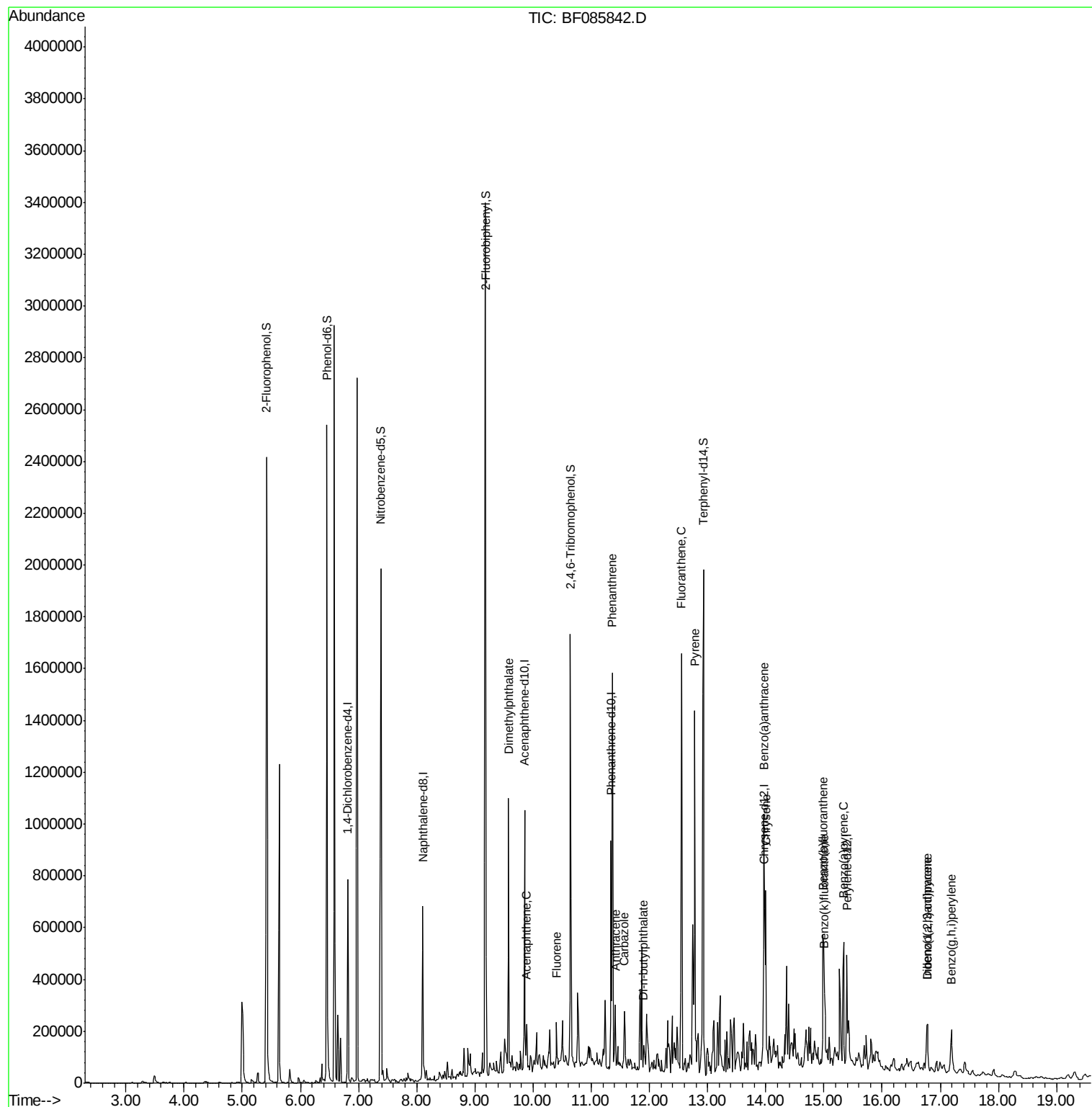
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
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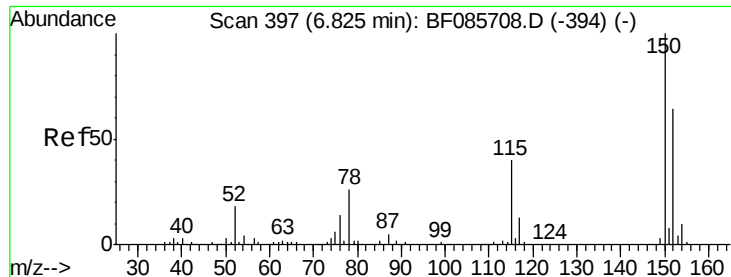
Instrument :
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#1

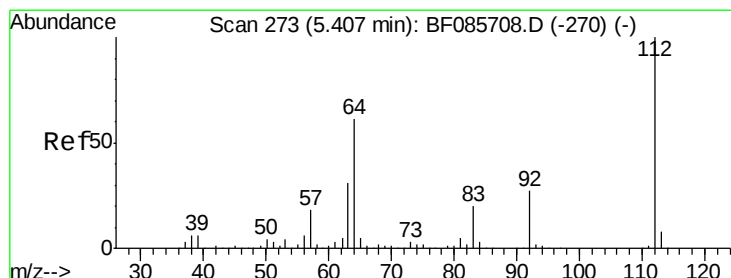
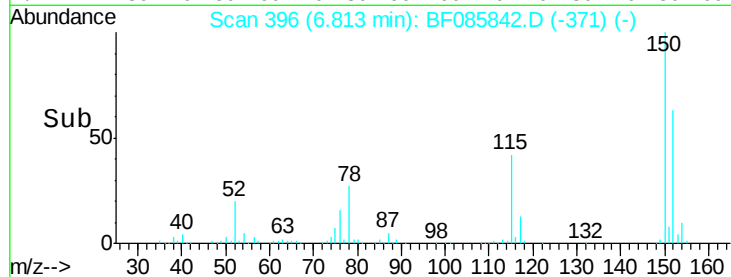
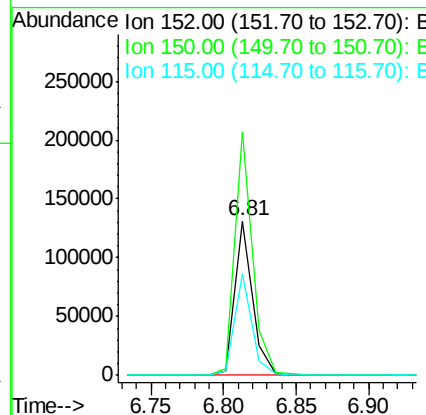
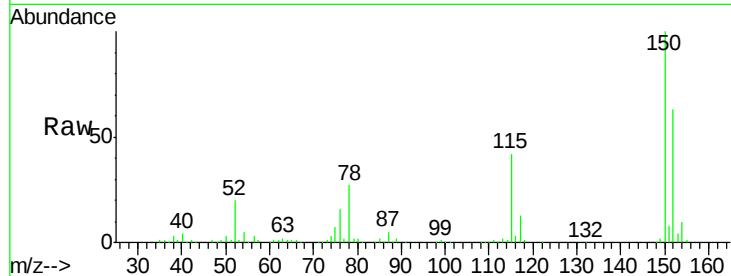
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 396
Delta R.T. -0.01 min
Lab File: BF085842.D
Acq: 29 Mar 2016 10:19

Instrument :
BNA_F
ClientSampled :
8

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	111726		
150	157.7	124.2	186.2	
115	65.8	47.0	70.6	

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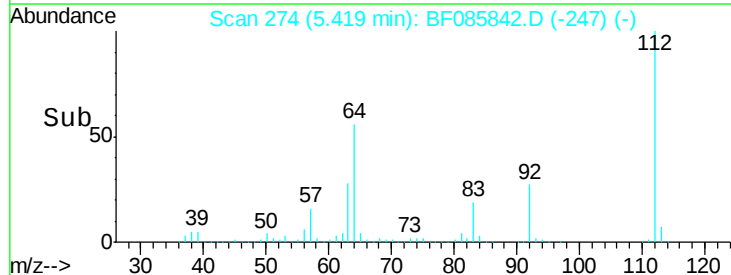
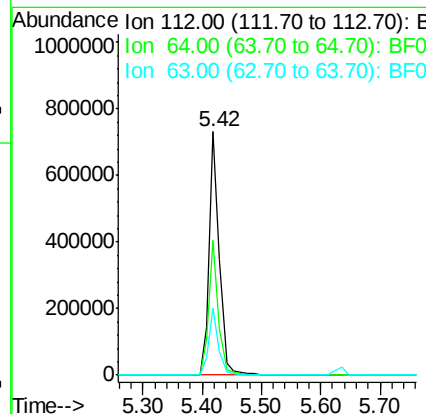
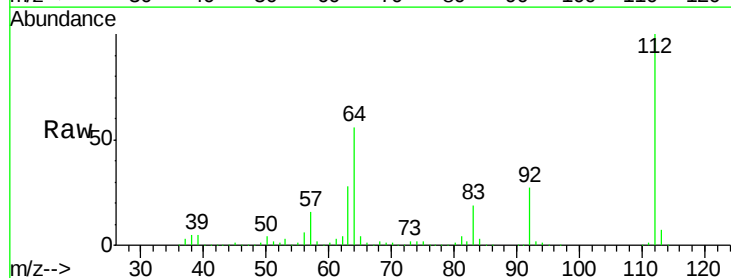
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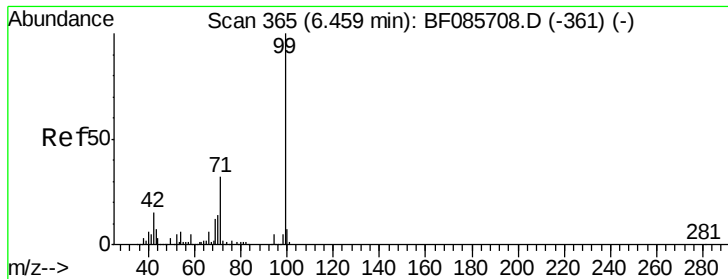


#5

2-Fluorophenol
Concen: 133.66 ng
RT: 5.42 min Scan# 274
Delta R.T. 0.01 min
Lab File: BF085842.D
Acq: 29 Mar 2016 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	896651		
64	55.6	39.9	59.9	
63	27.8	20.2	30.2	





#7

Phenol-d6

Concen: 129.18 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085842.D

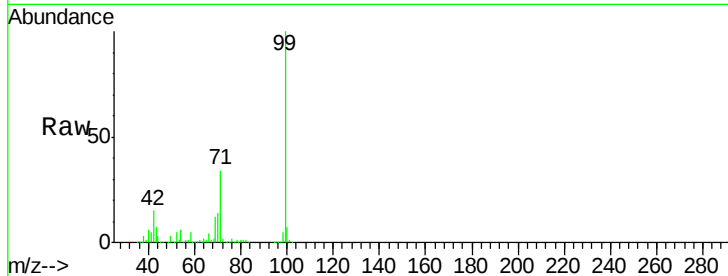
Acq: 29 Mar 2016 10:19

Instrument :

BNA_F

ClientSampled :

8



Tgt Ion: 99 Resp: 1101860

Ion Ratio Lower Upper

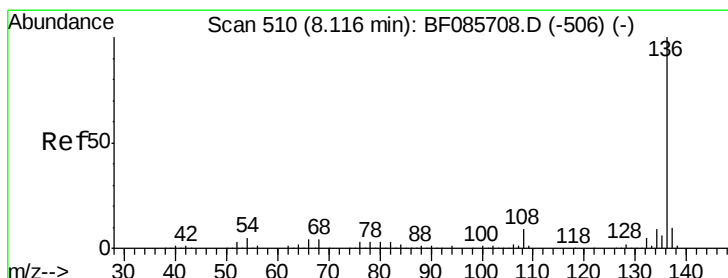
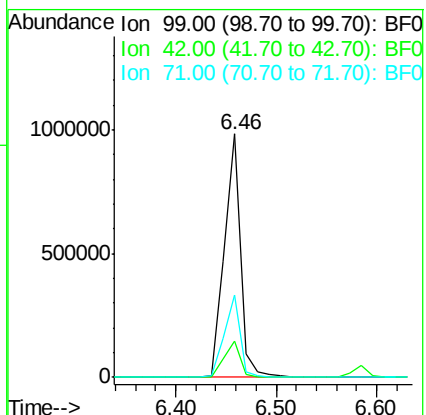
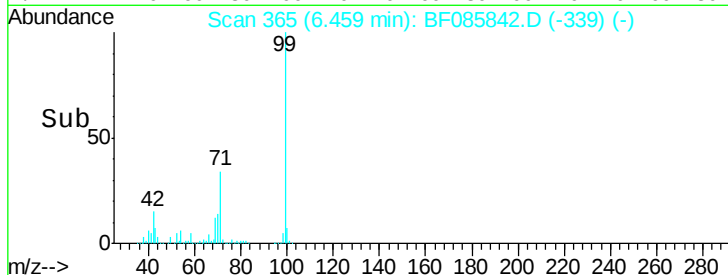
99 100

42 14.9 11.1 16.7

71 33.6 24.9 37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085842.D

Acq: 29 Mar 2016 10:19

Tgt Ion: 136 Resp: 416588

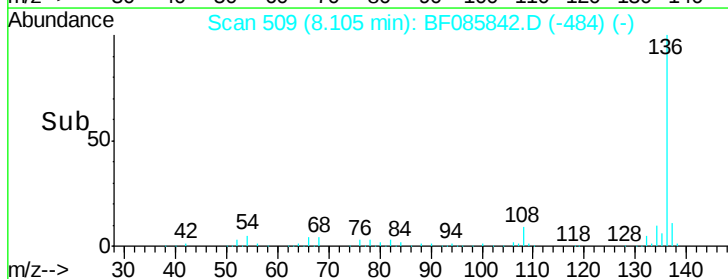
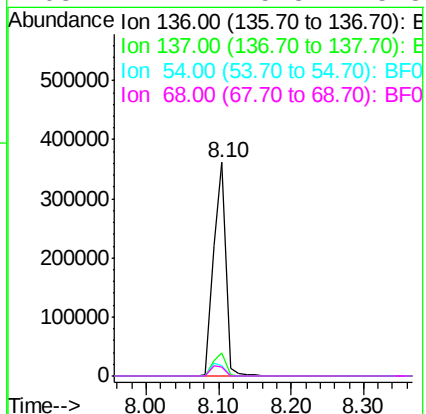
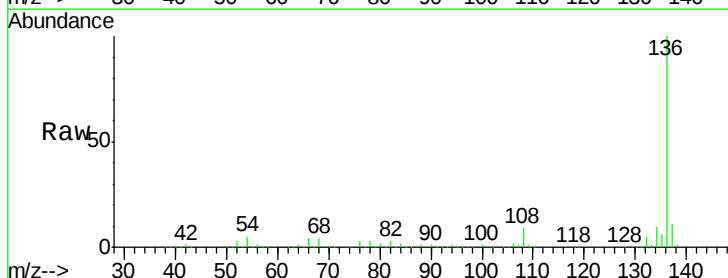
Ion Ratio Lower Upper

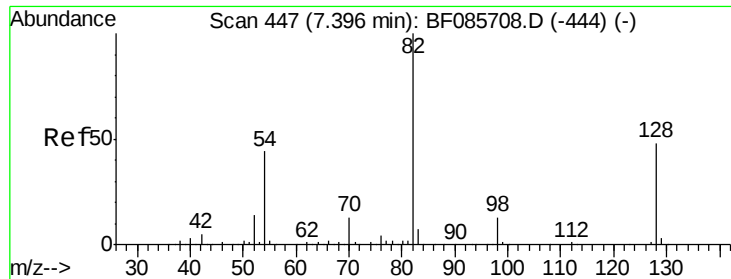
136 100

137 10.8 9.1 13.7

54 4.9 7.4 11.0#

68 4.4 5.8 8.8#





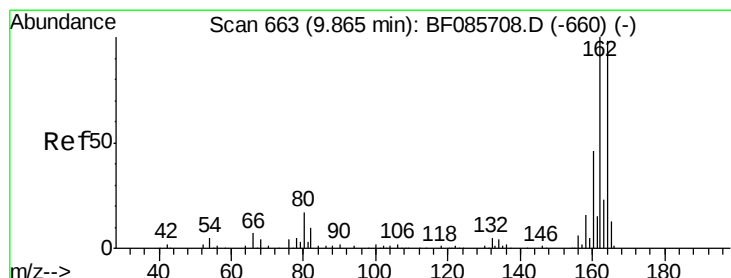
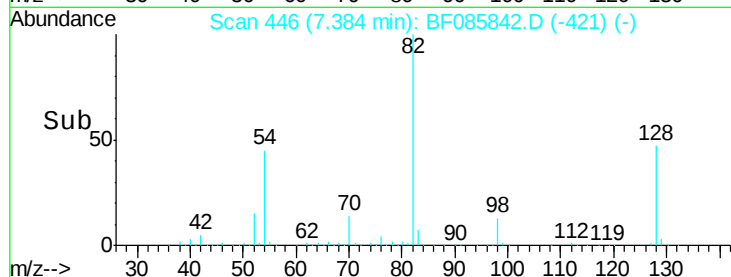
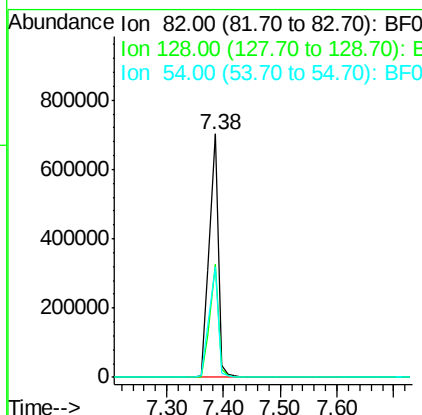
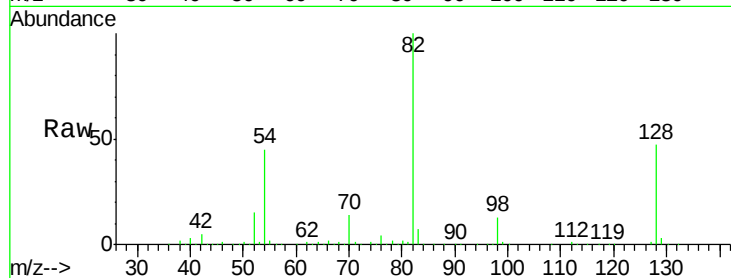
#23
 Nitrobenzene-d5
 Concen: 99.77 ng
 RT: 7.38 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BF085842.D
 Acq: 29 Mar 2016 10:19

Instrument :
 BNA_F
 ClientSampled :
 8

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.6	41.8	62.8
54	45.2	33.4	50.0

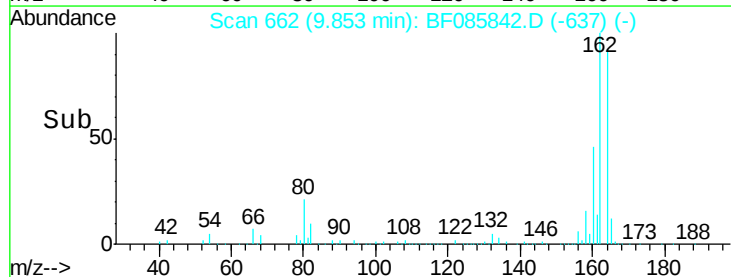
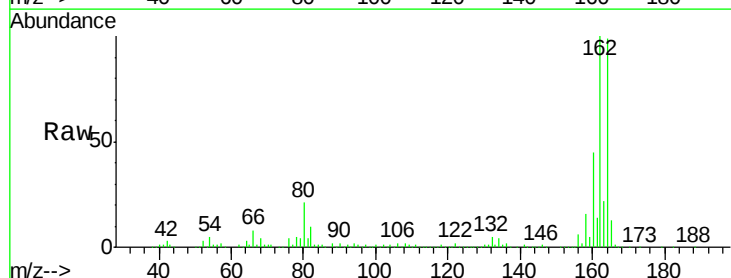
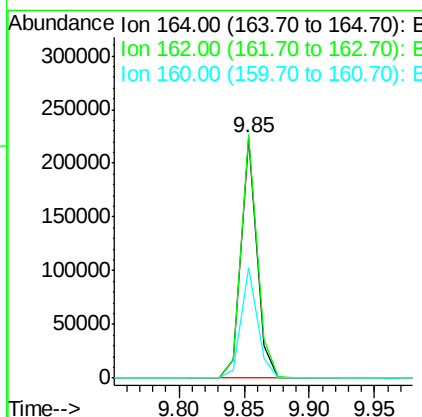
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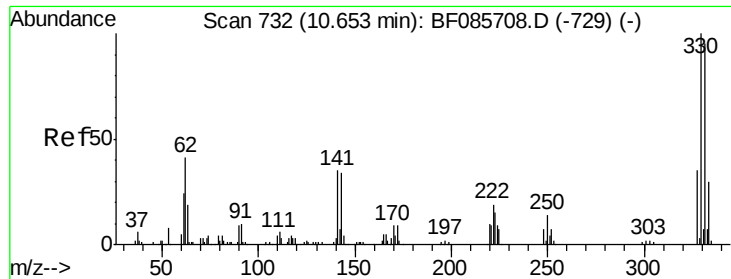
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF085842.D
 Acq: 29 Mar 2016 10:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.1	123.1
160	46.0	37.4	56.2





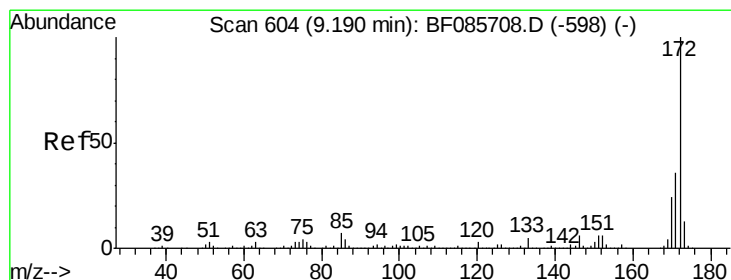
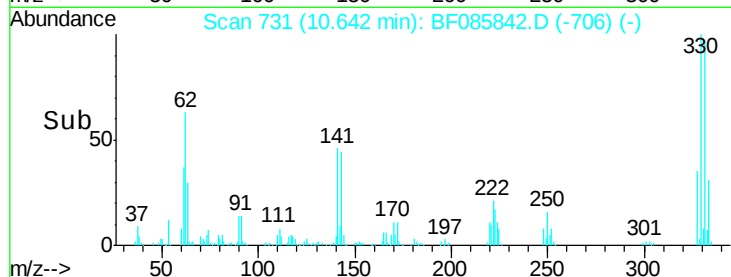
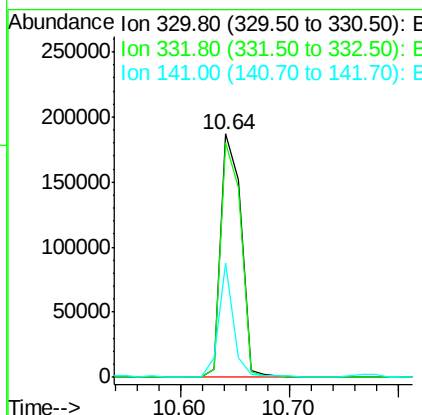
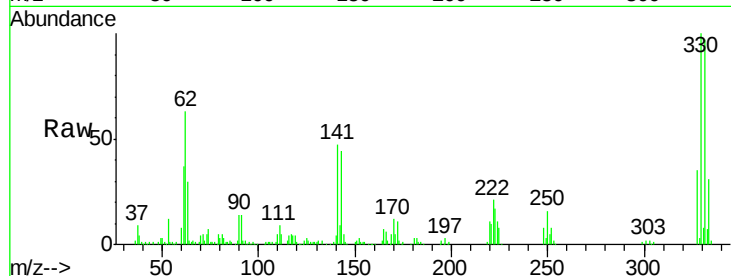
#41
 2,4,6-Tribromophenol
 Concen: 137.35 ng
 RT: 10.64 min Scan# 731
 Delta R.T. -0.01 min
 Lab File: BF085842.D
 Acq: 29 Mar 2016 10:19

Instrument :
 BNA_F
 ClientSampled :
 8

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	243738		
332	96.3	78.2	117.2	
141	34.1	31.5	47.3	

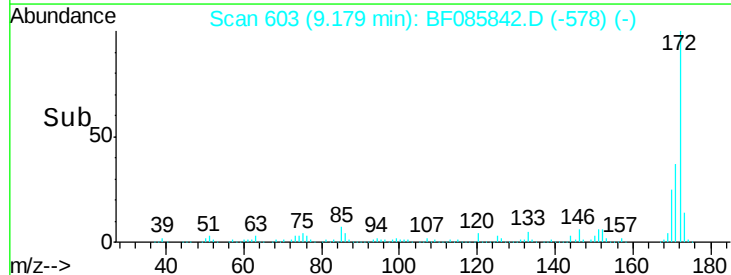
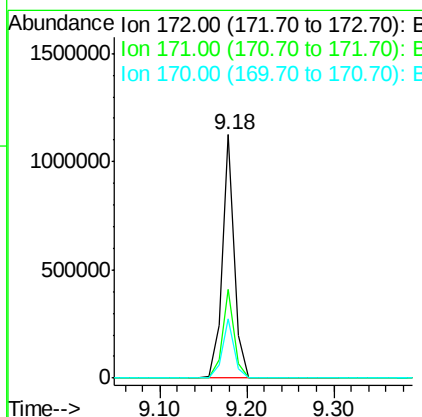
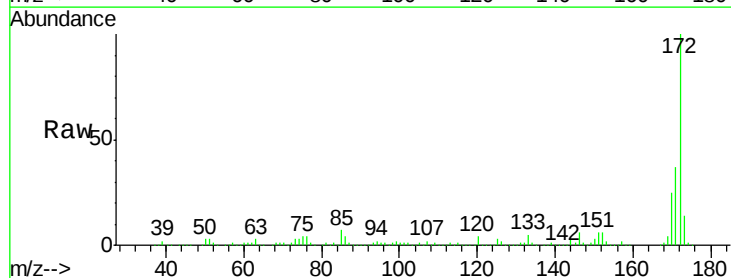
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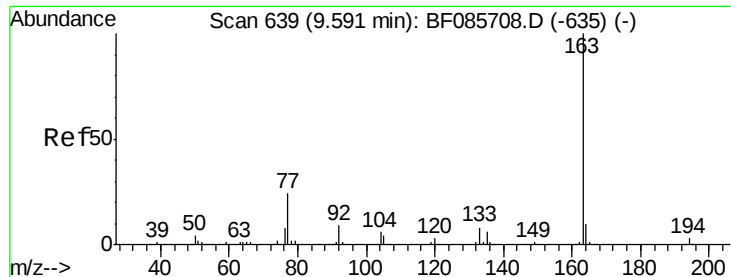
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#44
 2-Fluorobiphenyl
 Concen: 97.25 ng
 RT: 9.18 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF085842.D
 Acq: 29 Mar 2016 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1087176		
171	36.6	29.4	44.2	
170	24.5	19.8	29.6	





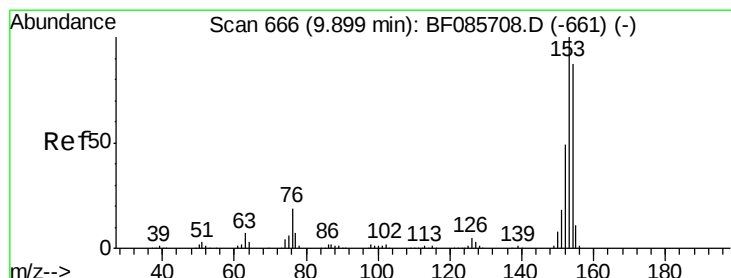
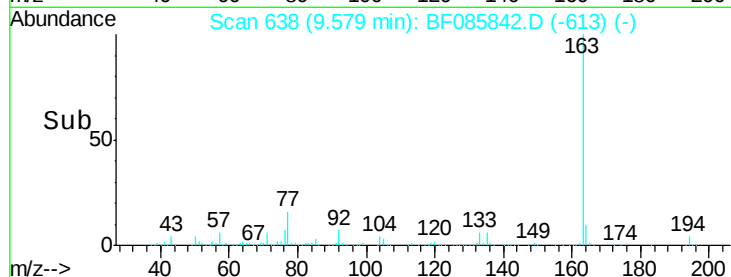
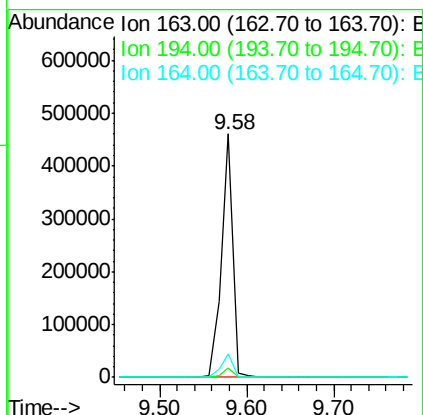
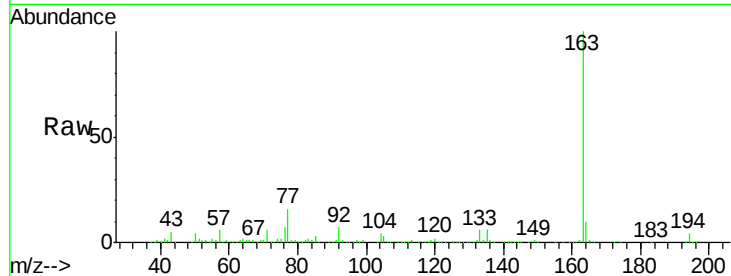
#49
Dimethylphthalate
Concen: 30.12 ng
RT: 9.58 min Scan# 638
Delta R.T. -0.01 min
Lab File: BF085842.D
Acq: 29 Mar 2016 10:19

Instrument :
BNA_F
ClientSampleId :
8

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	426836		
194	3.7	2.9	4.3	
164	9.6	8.3	12.5	

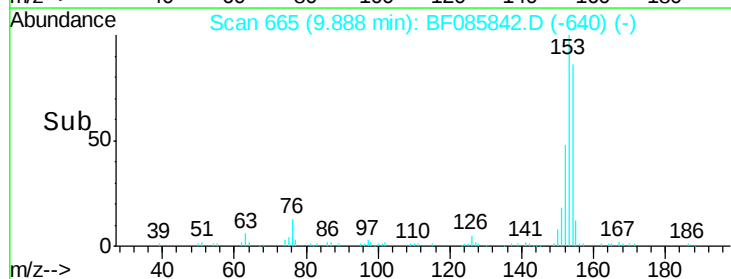
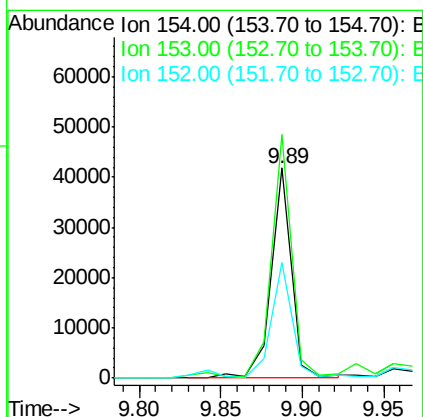
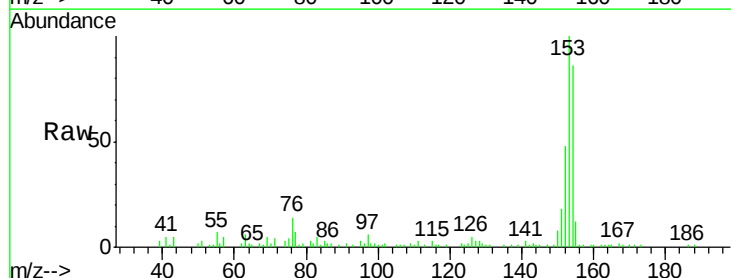
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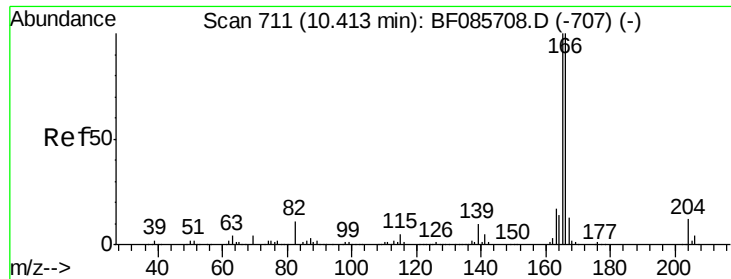
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#51
Acenaphthene
Concen: 3.15 ng
RT: 9.89 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF085842.D
Acq: 29 Mar 2016 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	36318		
153	115.8	90.1	135.1	
152	55.3	44.2	66.2	





#57

Fluorene

Concen: 3.50 ng

RT: 10.40 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF085842.D

Acq: 29 Mar 2016 10:19

Instrument :

BNA_F

ClientSampleId :

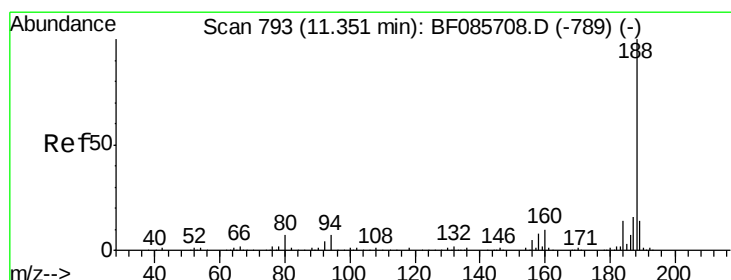
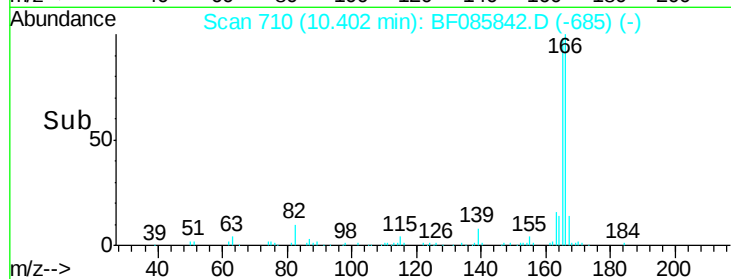
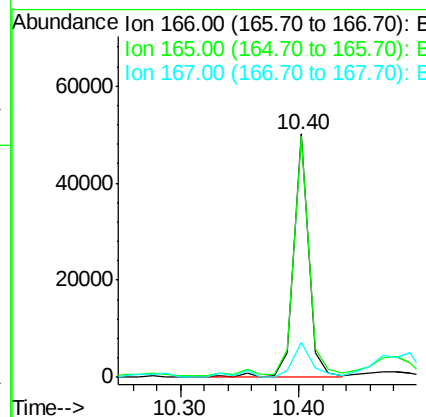
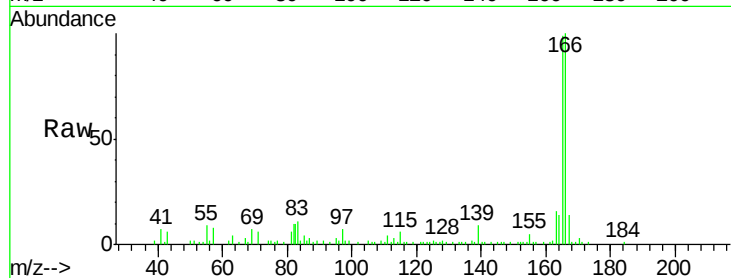
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Tgt Ion:	166	Resp:	43385
Ion Ratio	Lower	Upper	
166	100		
165	99.2	79.4	119.0
167	14.2	11.0	16.4



#63

Phenanthrene-d10

Concen: 20.00 ng

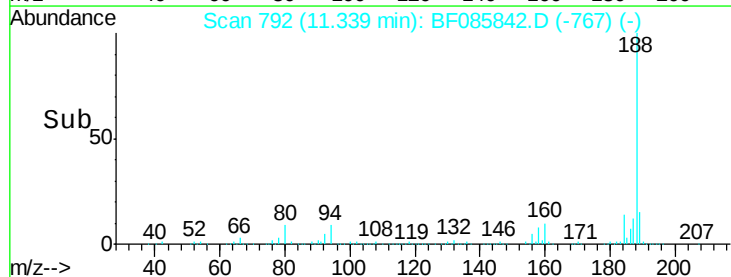
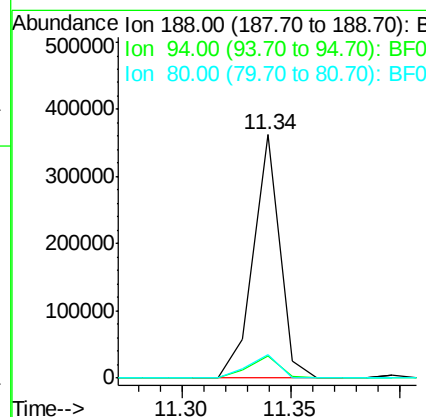
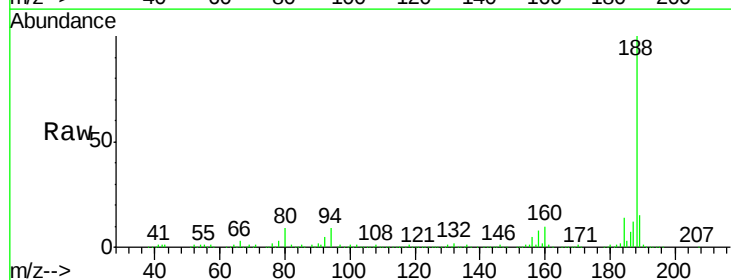
RT: 11.34 min Scan# 792

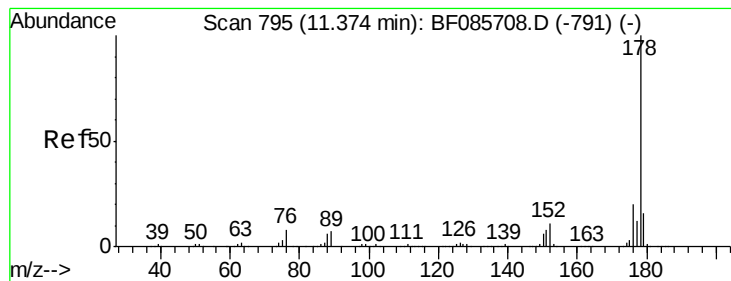
Delta R.T. -0.01 min

Lab File: BF085842.D

Acq: 29 Mar 2016 10:19

Tgt Ion:	188	Resp:	307478
Ion Ratio	Lower	Upper	
188	100		
94	9.2	5.4	8.0#
80	9.4	5.5	8.3#





#70

Phenanthrene

Concen: 33.74 ng

RT: 11.36 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF085842.D

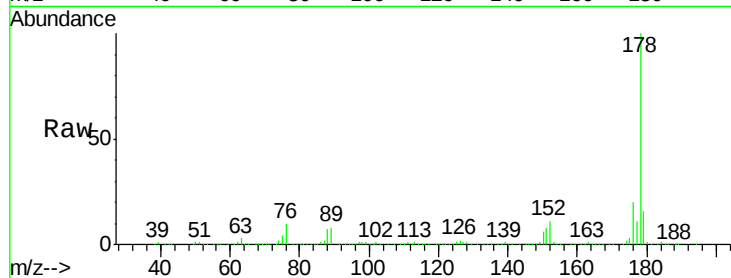
Acq: 29 Mar 2016 10:19

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:178 Resp: 532635

Ion Ratio Lower Upper

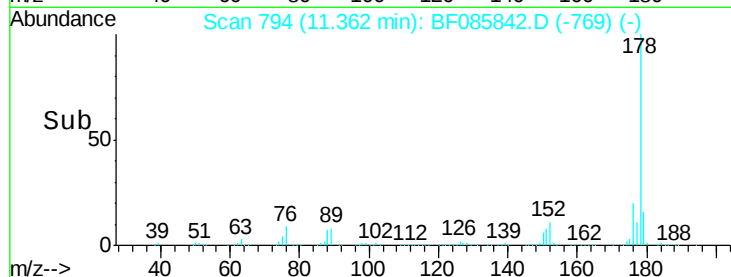
178 100

176 19.7 16.3 24.5

179 15.7 12.6 18.8

Manual Integrations
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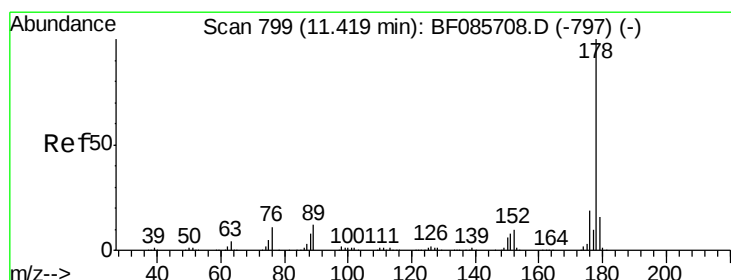
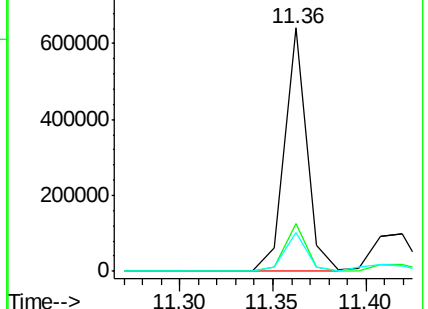
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 8.03 ng

RT: 11.42 min Scan# 799

Delta R.T. -0.00 min

Lab File: BF085842.D

Acq: 29 Mar 2016 10:19

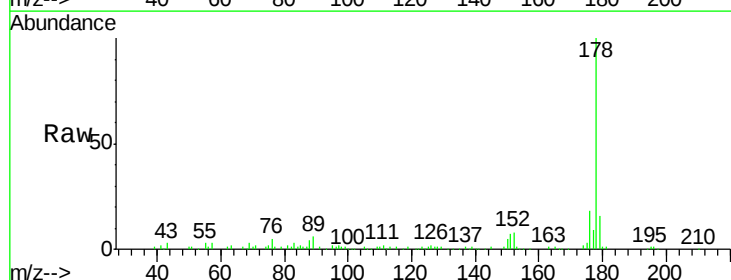
Tgt Ion:178 Resp: 133014

Ion Ratio Lower Upper

178 100

176 18.5 15.9 23.9

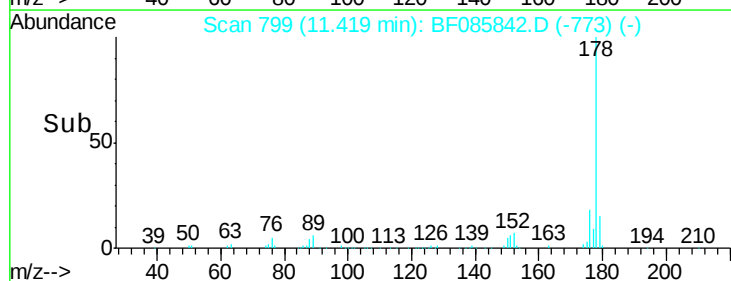
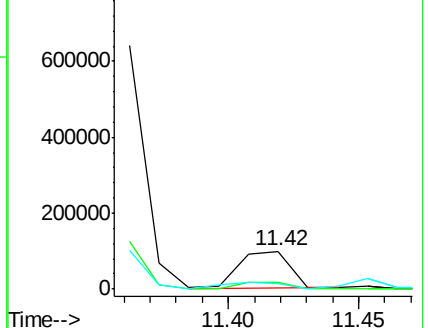
179 15.6 13.0 19.4

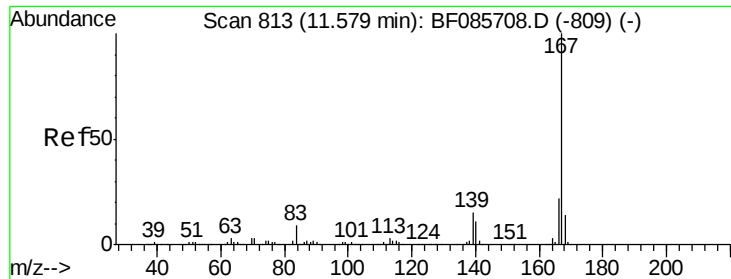


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 6.19 ng

RT: 11.57 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF085842.D

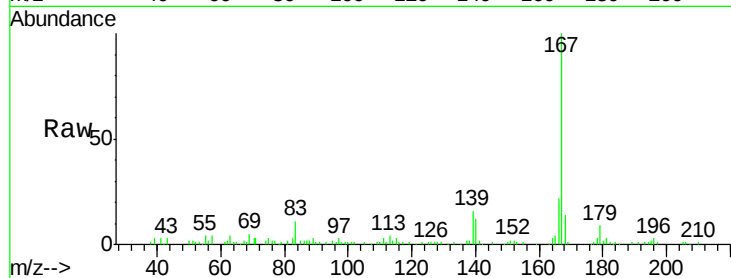
Acq: 29 Mar 2016 10:19

Instrument :

BNA_F

ClientSampled :

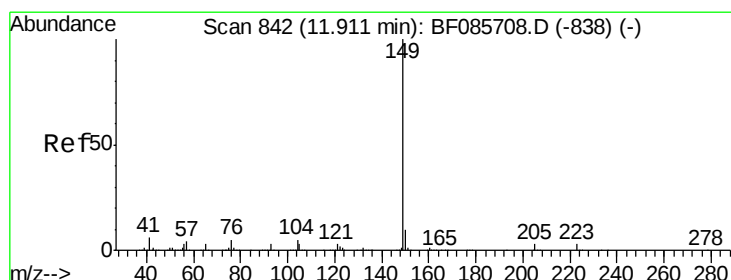
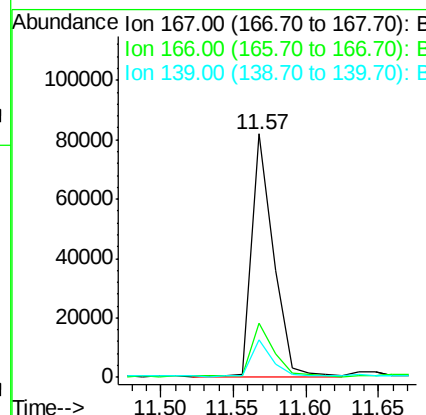
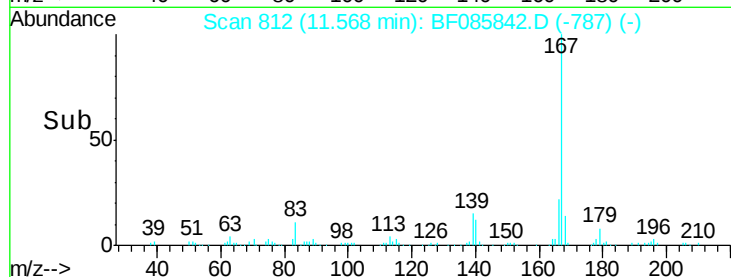
8



Tgt Ion:	167	Resp:	86189
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.8	26.8
139	15.7	11.6	17.4

Manual Integrations
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#73

Di-n-butylphthalate

Concen: 2.32 ng

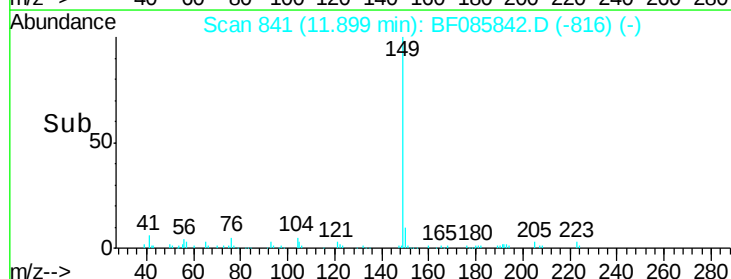
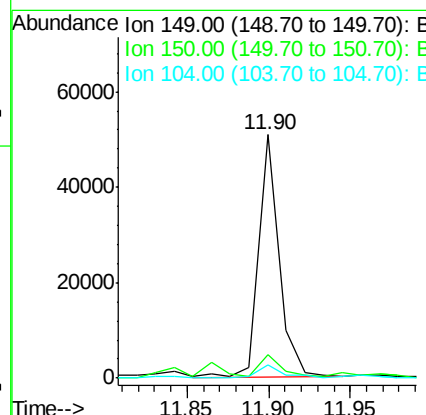
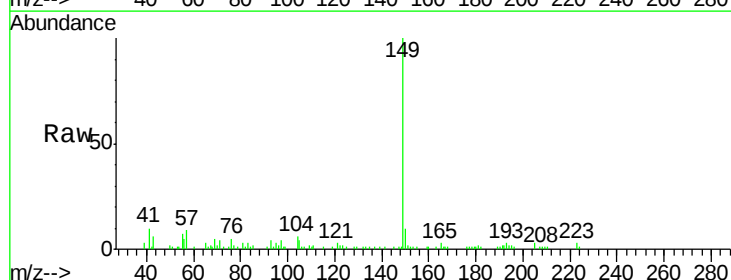
RT: 11.90 min Scan# 841

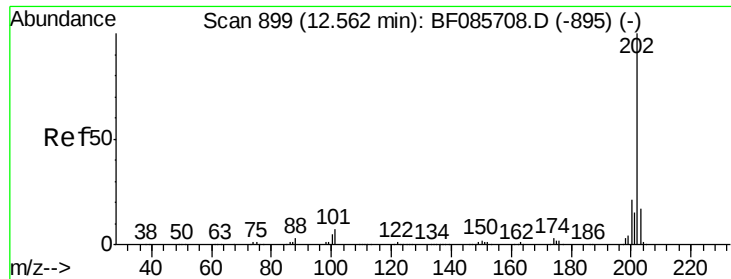
Delta R.T. -0.01 min

Lab File: BF085842.D

Acq: 29 Mar 2016 10:19

Tgt Ion:	149	Resp:	44268
Ion Ratio	Lower	Upper	
149	100		
150	9.5	7.6	11.4
104	5.6	3.8	5.8





#74

Fluoranthene

Concen: 35.28 ng

RT: 12.55 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF085842.D

Acq: 29 Mar 2016 10:19

Instrument :

BNA_F

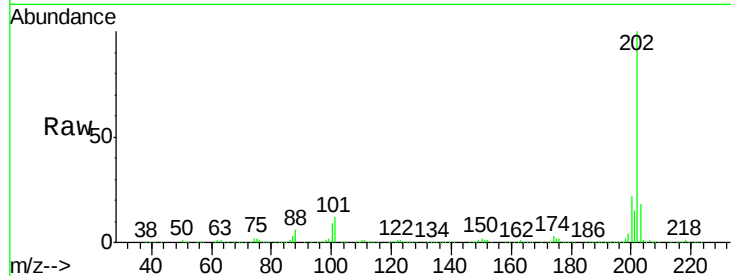
ClientSampleId :

8

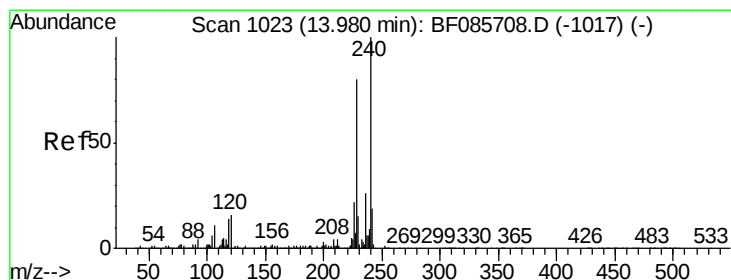
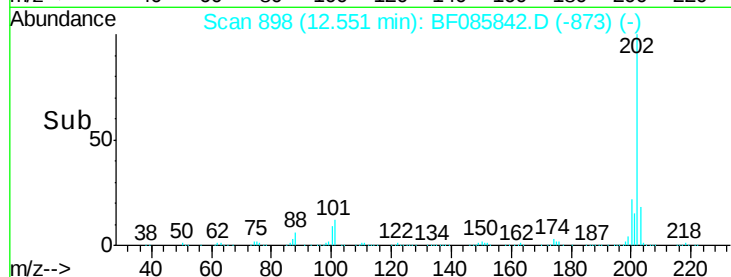
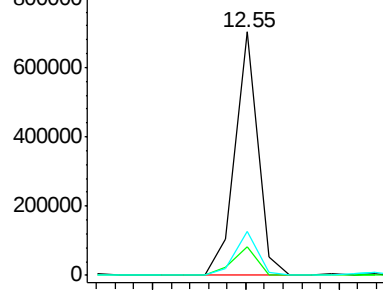
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		592107		
101	11.8	0.0	36.6		
203	17.9	0.0	38.1		

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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

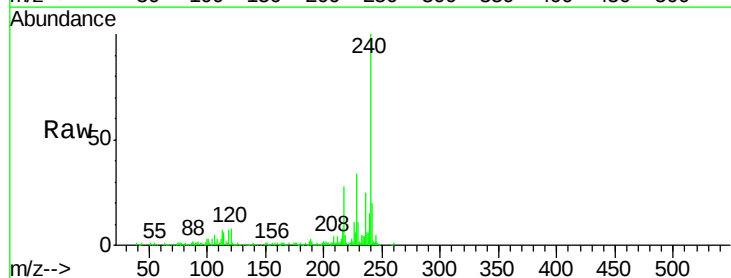
RT: 13.98 min Scan# 1023

Delta R.T. -0.00 min

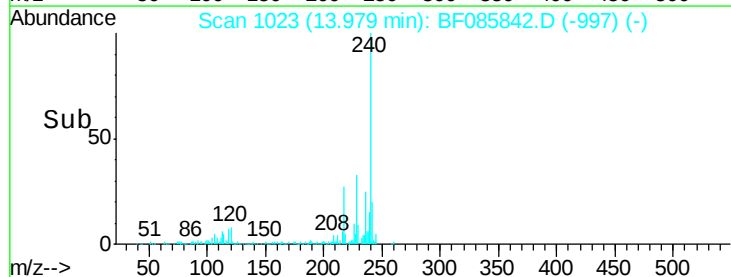
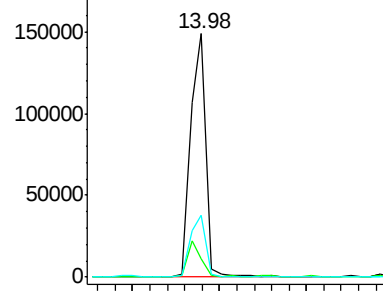
Lab File: BF085842.D

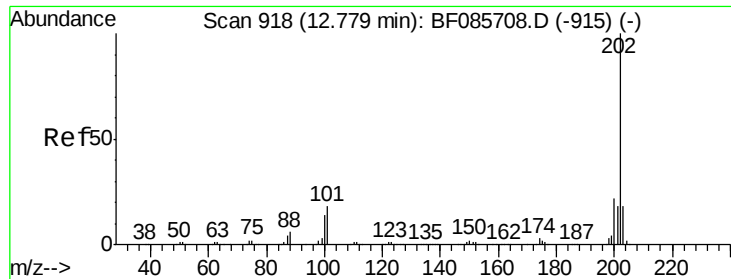
Acq: 29 Mar 2016 10:19

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		185265		
120	7.8	13.8	20.8#		
236	25.3	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: 38.28 ng

RT: 12.78 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF085842.D

Acq: 29 Mar 2016 10:19

Instrument :

BNA_F

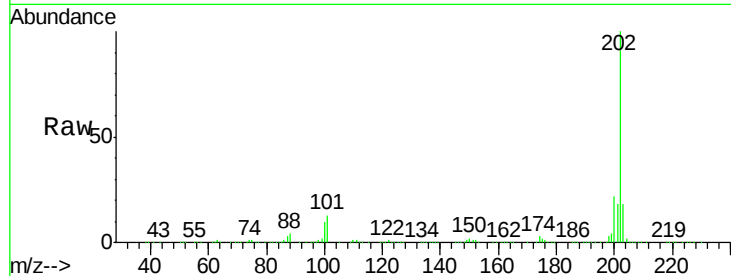
ClientSampleId :

8

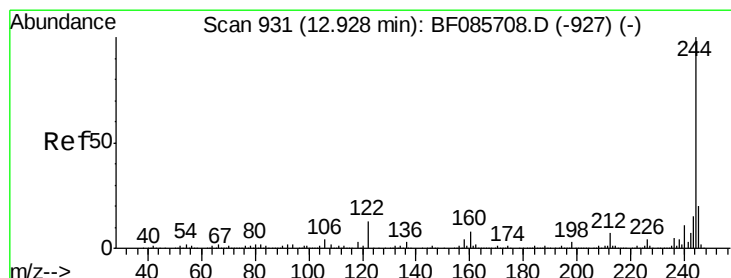
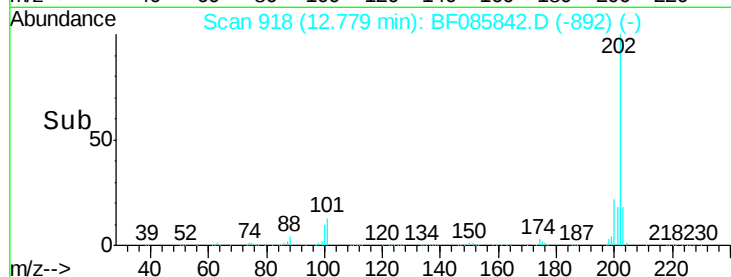
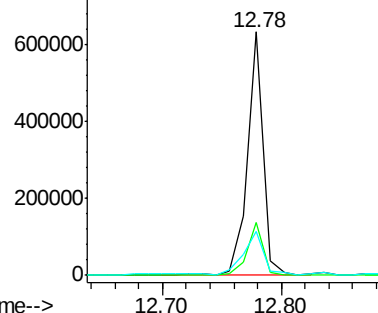
Tgt Ion:	202	Resp:	582963
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.6	26.4
203	17.9	14.0	21.0

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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: 89.00 ng

RT: 12.93 min Scan# 931

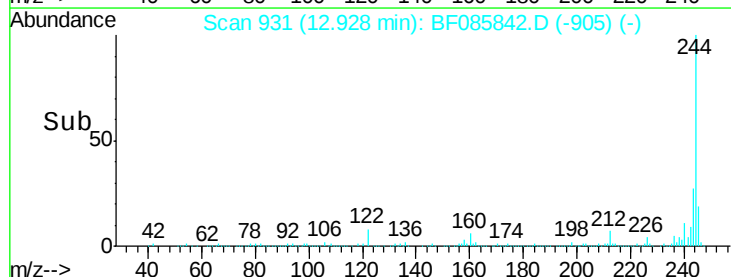
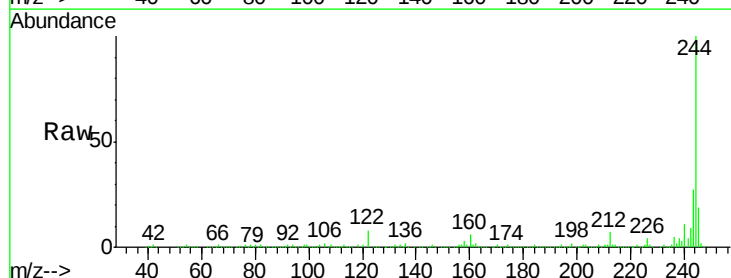
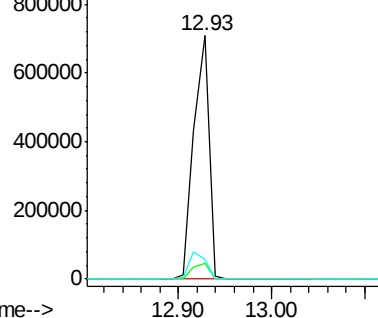
Delta R.T. -0.00 min

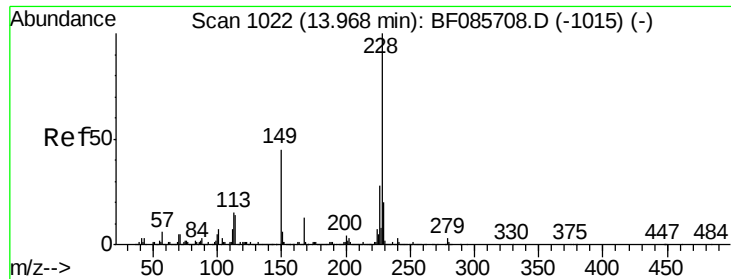
Lab File: BF085842.D

Acq: 29 Mar 2016 10:19

Tgt Ion:	244	Resp:	801761
Ion Ratio	Lower	Upper	
244	100		
212	6.6	6.1	9.1
122	7.8	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





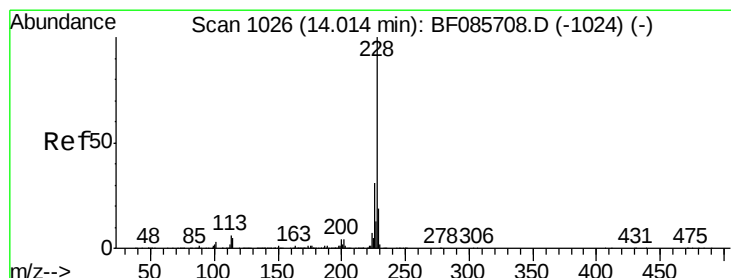
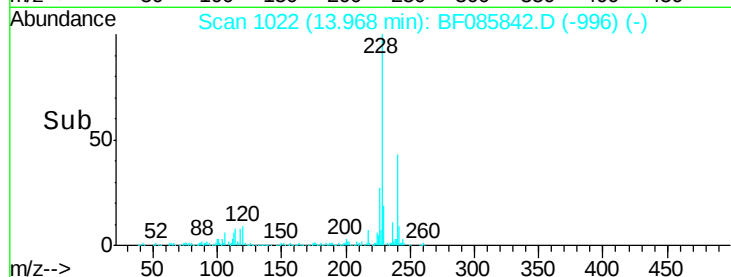
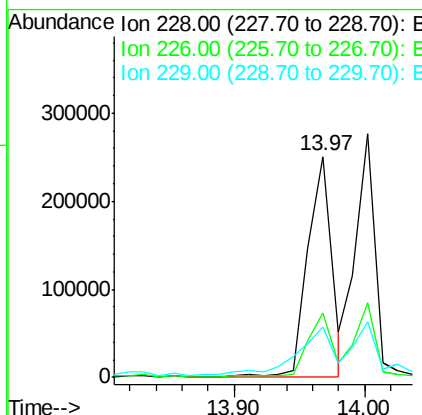
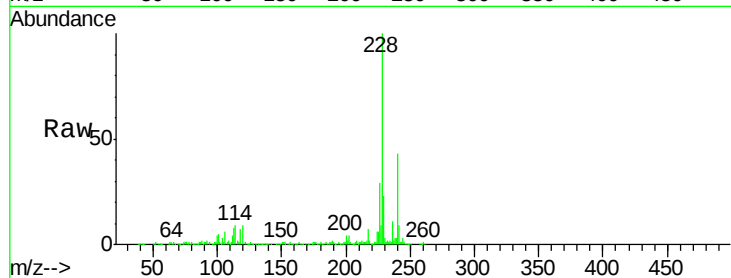
#80
Benzo(a)anthracene
Concen: 29.85 ng
RT: 13.97 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF085842.D
Acq: 29 Mar 2016 10:19

Instrument :
BNA_F
ClientSampled :
8

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.1	33.1
229	22.7	16.2	24.4

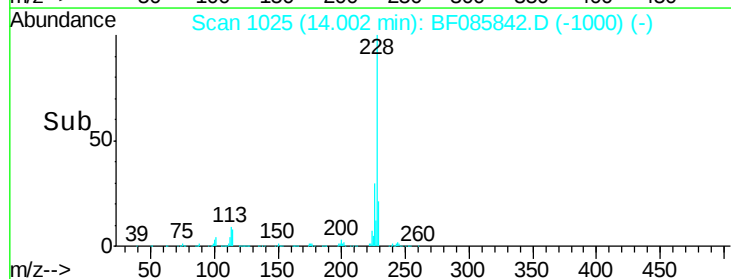
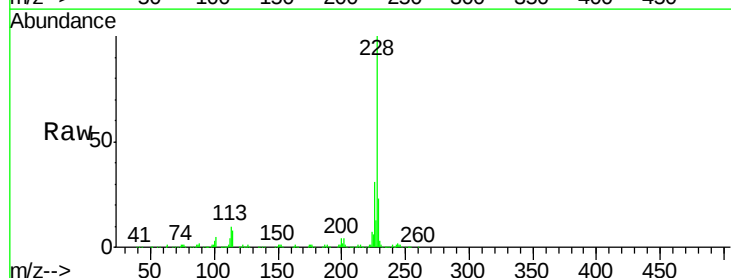
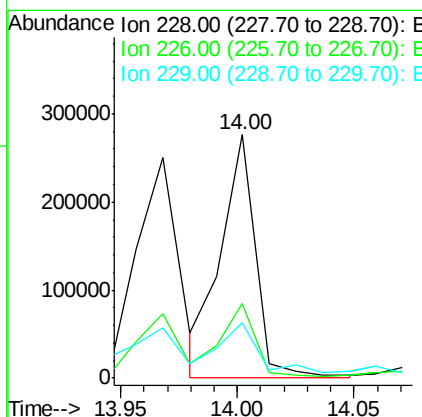
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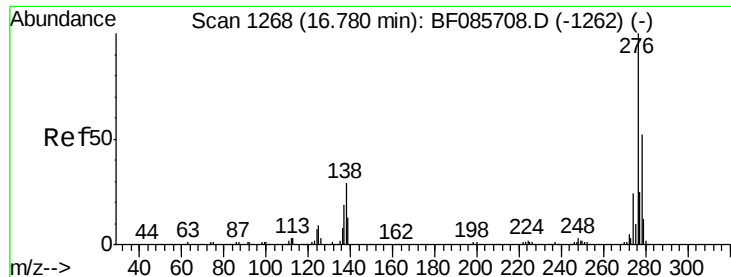
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#82
Chrysene
Concen: 27.28 ng m
RT: 14.00 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF085842.D
Acq: 29 Mar 2016 10:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.9	15.7	23.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 15.78 ng

RT: 16.78 min Scan# 1268

Delta R.T. -0.00 min

Lab File: BF085842.D

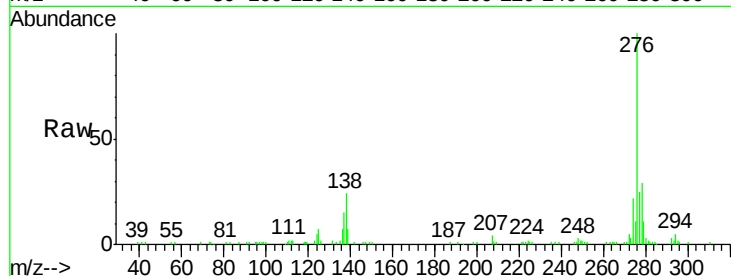
Acq: 29 Mar 2016 10:19

Instrument :

BNA_F

ClientSampleId :

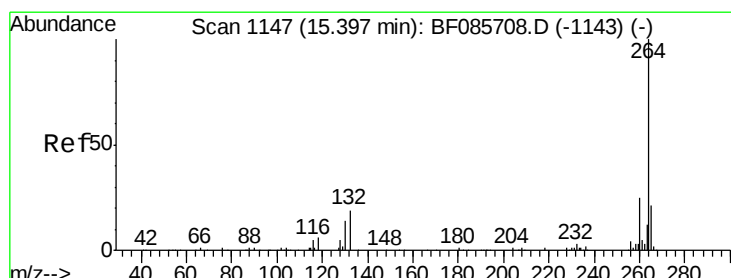
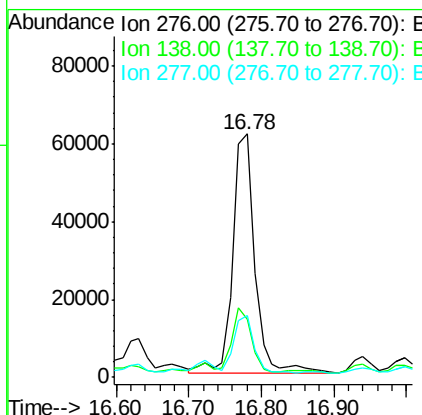
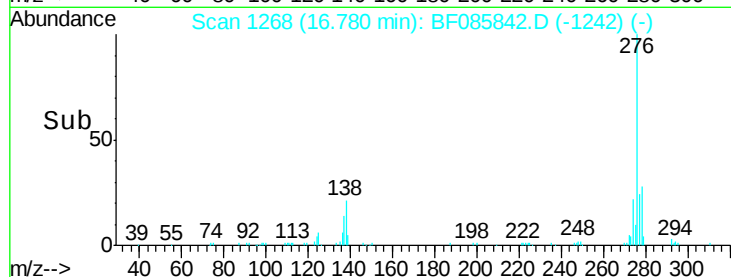
8



Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.3	24.2	36.4
277	21.6	20.0	30.0

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#86

Perylene-d12

Concen: 20.00 ng

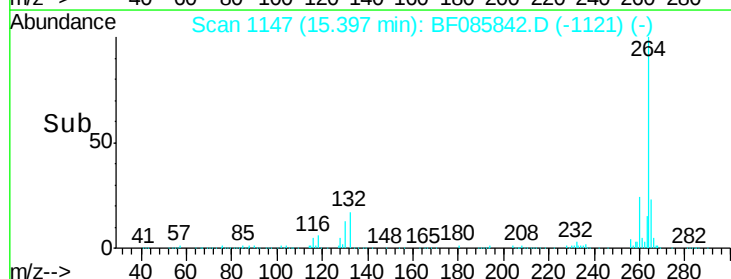
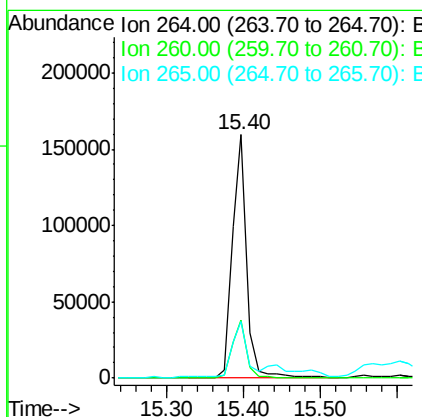
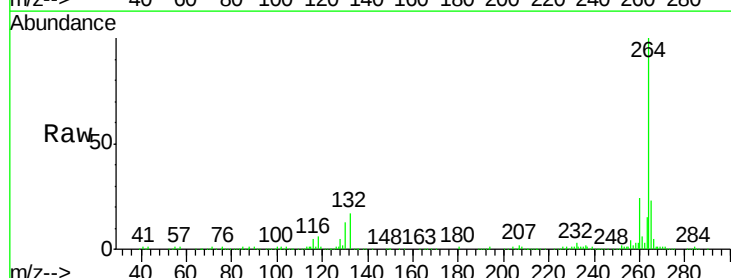
RT: 15.40 min Scan# 1147

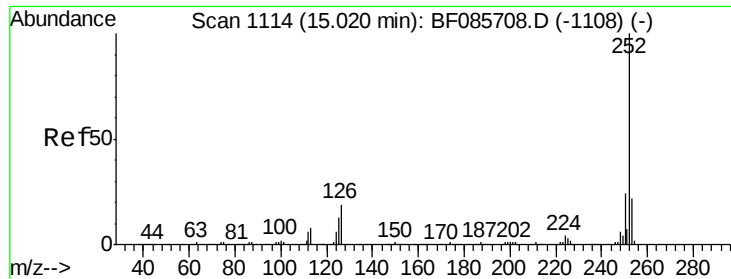
Delta R.T. -0.00 min

Lab File: BF085842.D

Acq: 29 Mar 2016 10:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	23.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 25.38 ng m

RT: 14.99 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BF085842.D

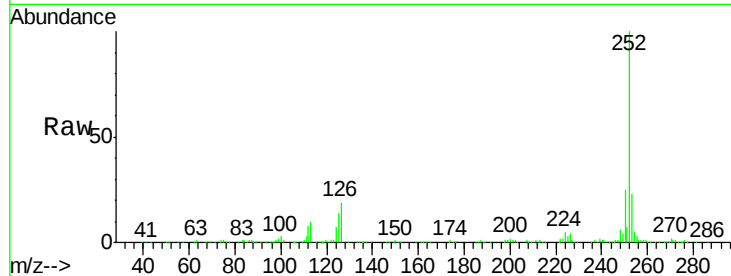
Acq: 29 Mar 2016 10:19

Instrument :

BNA_F

ClientSampled :

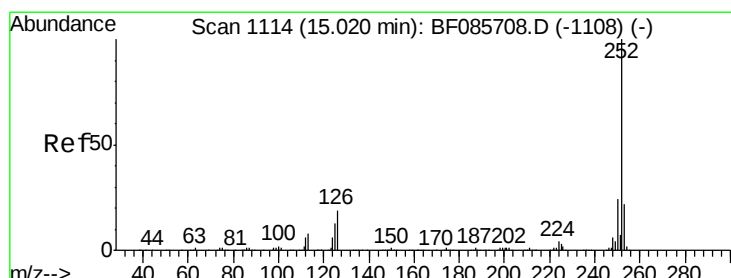
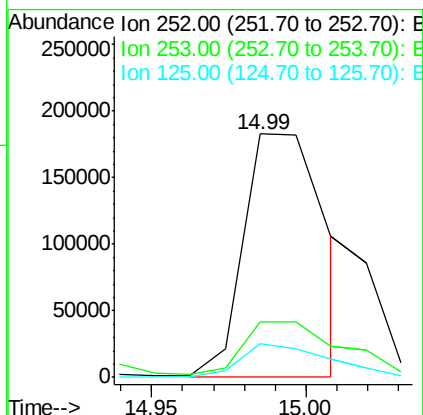
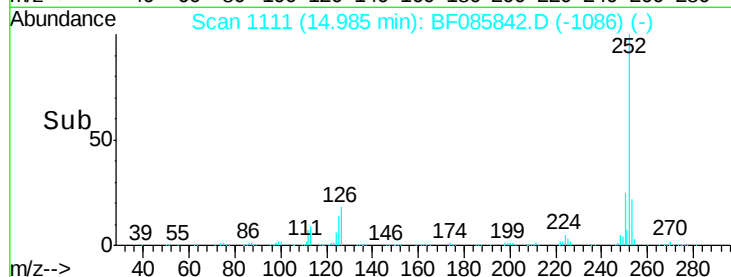
8



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	14.0	10.3	15.5

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 6.13 ng m

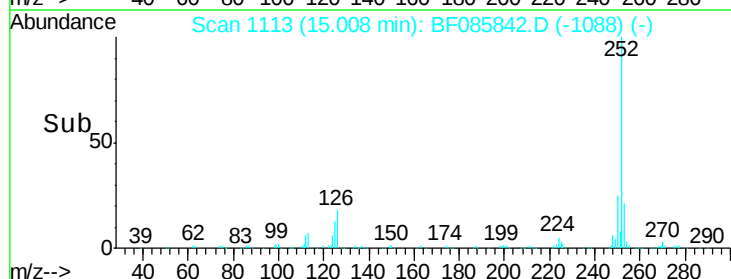
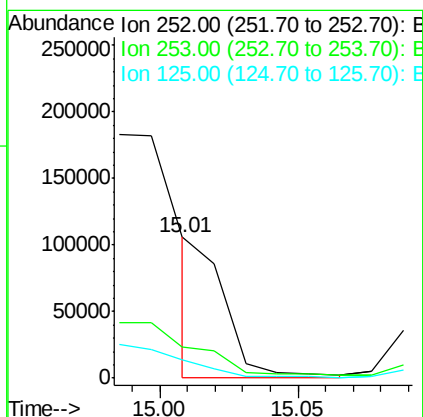
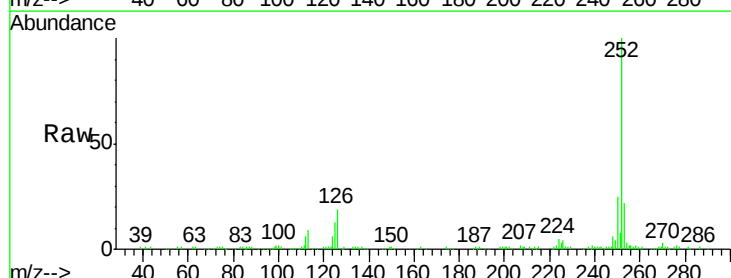
RT: 15.01 min Scan# 1113

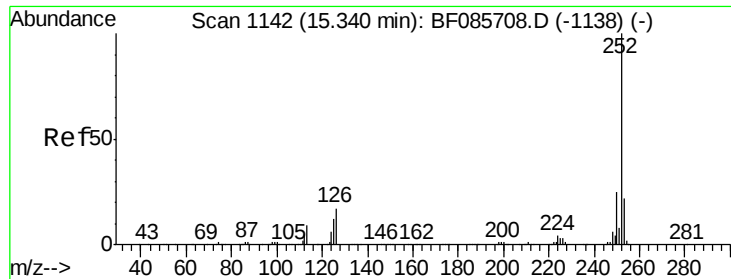
Delta R.T. -0.01 min

Lab File: BF085842.D

Acq: 29 Mar 2016 10:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	13.4	7.7	11.5#





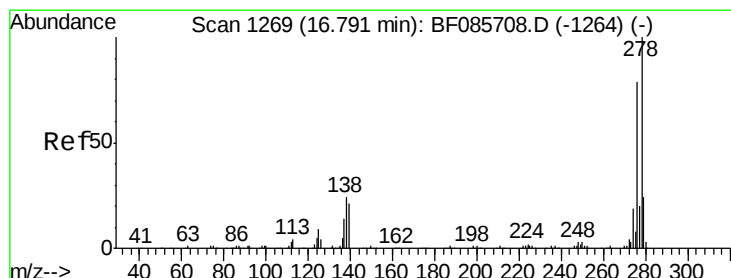
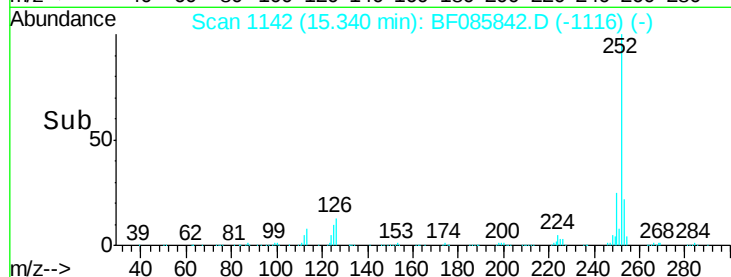
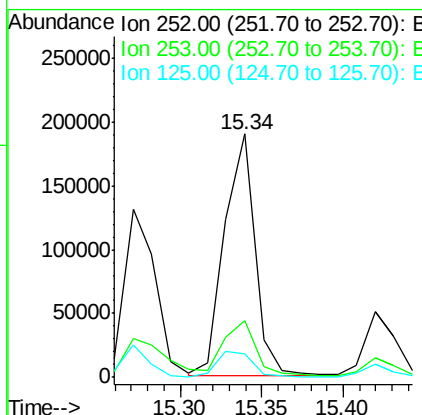
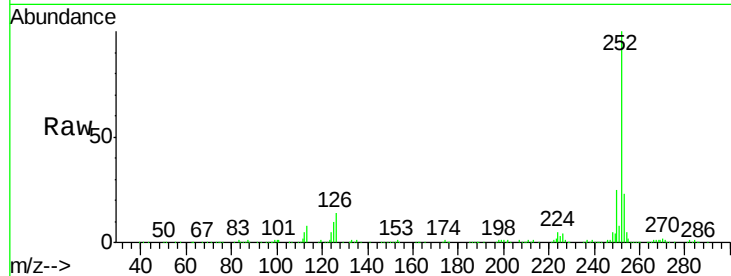
#89
Benzo(a)pyrene
Concen: 20.61 ng
RT: 15.34 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF085842.D
Acq: 29 Mar 2016 10:19

Instrument :
BNA_F
ClientSampled :
8

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	9.8	10.3	15.5#

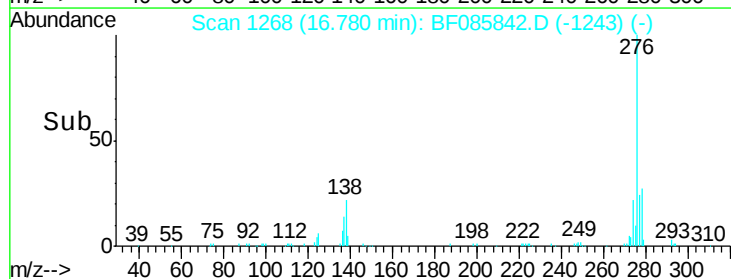
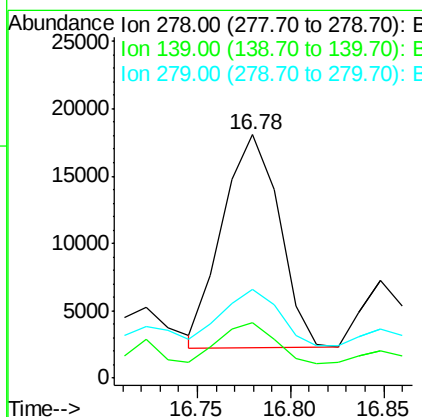
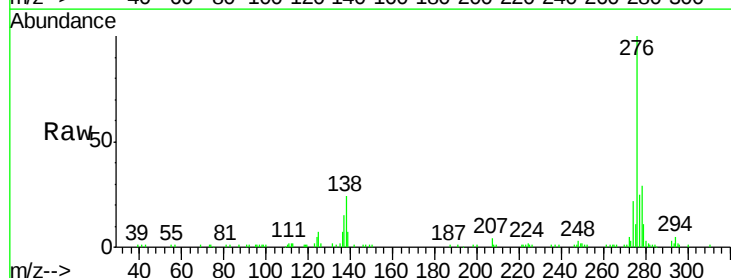
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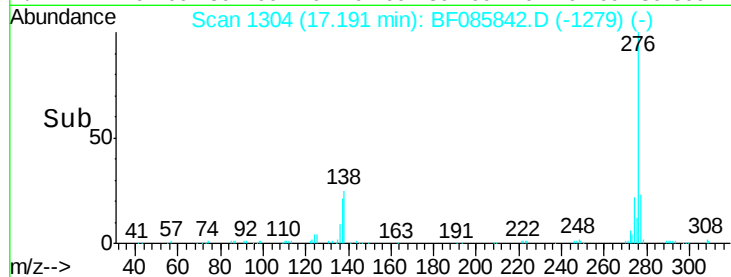
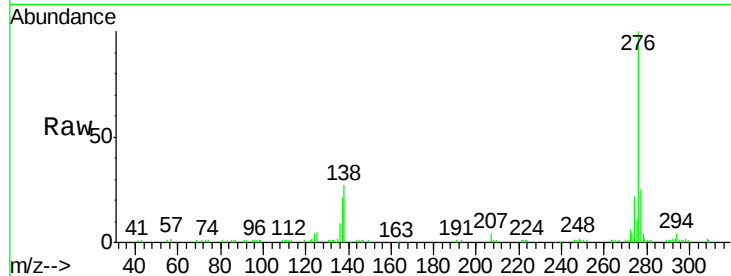
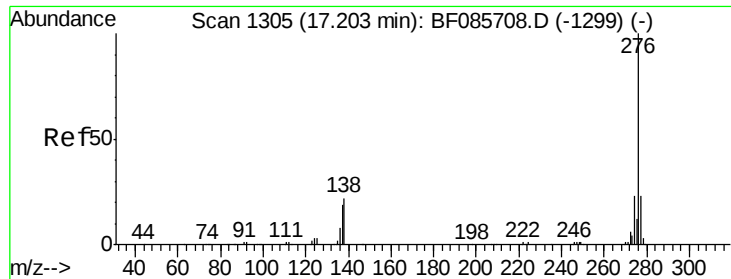
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 3.03 ng
RT: 16.78 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF085842.D
Acq: 29 Mar 2016 10:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.7	14.4	21.6#
279	36.6	19.1	28.7#





#91
Benzo(g,h,i)perylene
Concen: 11.72 ng
RT: 17.19 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF085842.D
Acq: 29 Mar 2016 10:19

Tgt Ion:	276	Resp:	130324
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.8	28.2
138	26.7	22.6	34.0

Instrument :
BNA_F
ClientSampleId :
8

Manual Integrations
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