

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
 Data File : BF085767.D
 Acq On : 25 Mar 2016 17:52
 Operator : UM/SJ
 Sample : H1855-03
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1A

Manual Integrations
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Quant Time: Mar 25 23:20:07 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	116117	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	445625	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	198930	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	314594	20.00	ng	0.00
75) Chrysene-d12	13.99	240	231516	20.00	ng	0.01
86) Perylene-d12	15.41	264	221713	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	68546	9.83	ng	0.01
7) Phenol-d6	6.46	99	87408	9.86	ng	0.00
23) Nitrobenzene-d5	7.38	82	43576	5.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	13924	7.37	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	80664	6.77	ng	-0.01
78) Terphenyl-d14	12.93	244	57681	5.12	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.58	163	131038	8.68	ng	99
51) Acenaphthene	9.90	154	78978	6.43	ng	99
54) Dibenzofuran	10.07	168	57622	3.62	ng	95
57) Fluorene	10.41	166	87083	6.59	ng	99
70) Phenanthrene	11.37	178	1203387	74.50	ng	99
71) Anthracene	11.42	178	375441	22.14	ng	99
72) Carbazole	11.58	167	80576	5.66	ng	98
74) Fluoranthene	12.56	202	1943764	113.21	ng	95
77) Pyrene	12.79	202	1563442	82.15	ng	98
80) Benzo(a)anthracene	13.98	228	975510	73.90	ng	97
82) Chrysene	14.01	228	802721m	60.37	ng	
85) Indeno(1,2,3-cd)pyrene	16.80	276	400243	38.98	ng	94
87) Benzo(b)fluoranthene	15.01	252	1027321m	73.55	ng	
88) Benzo(k)fluoranthene	15.03	252	378632m	30.07	ng	
89) Benzo(a)pyrene	15.35	252	707999m	57.09	ng	
90) Dibenzo(a,h)anthracene	16.80	278	113253	9.83	ng	95
91) Benzo(g,h,i)perylene	17.21	276	333579	28.59	ng	98

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

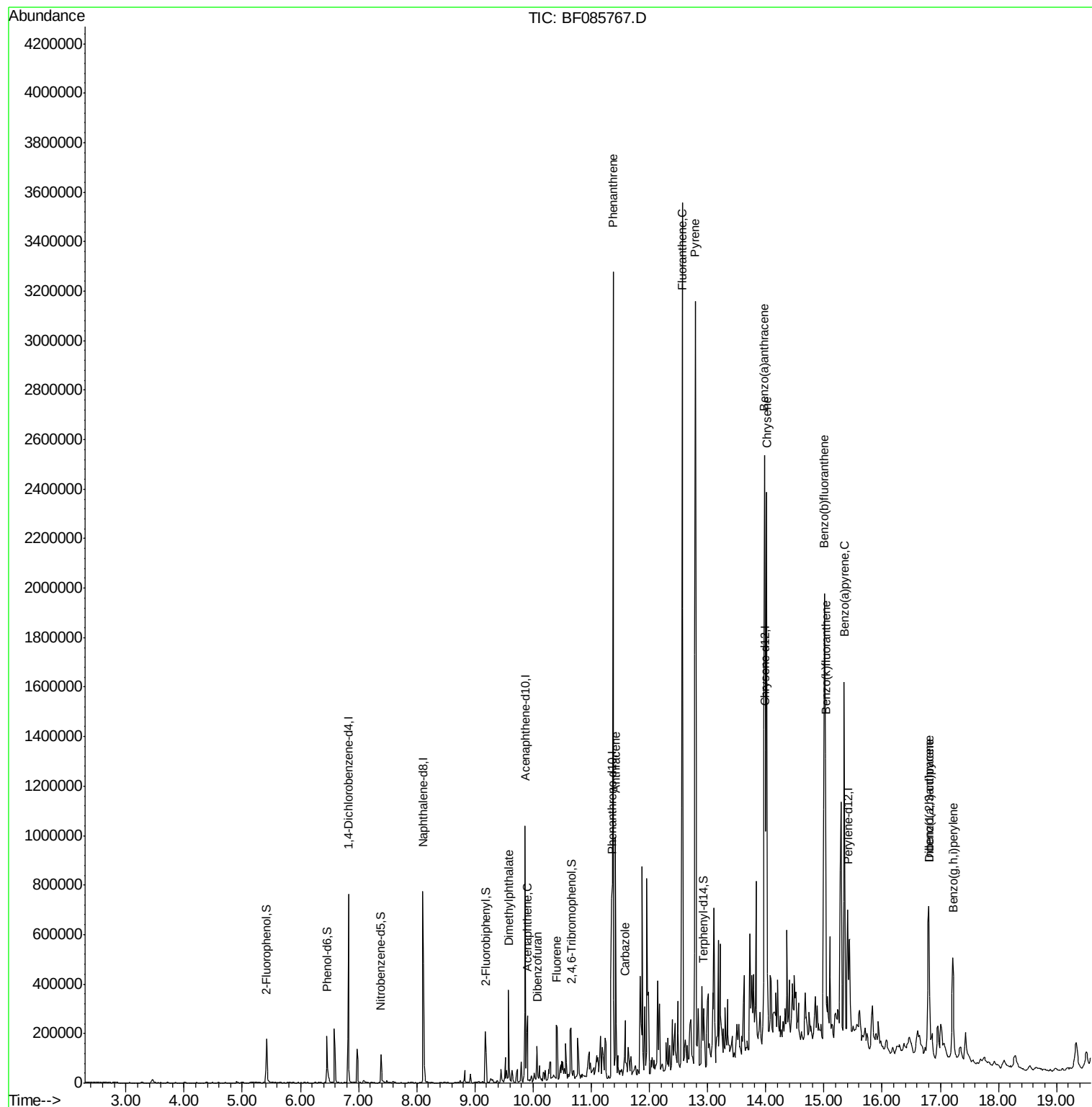
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
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ALS Vial : 53 Sample Multiplier: 1

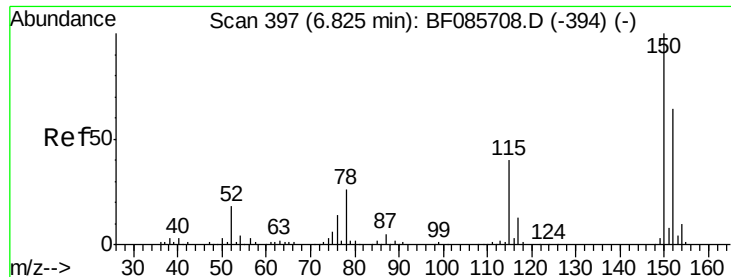
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

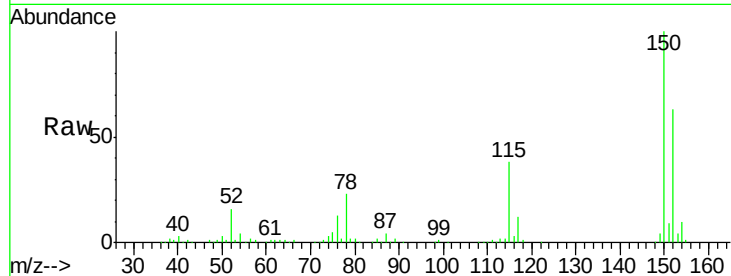
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 397
Delta R.T. -0.00 min
Lab File: BF085767.D
Acq: 25 Mar 2016 17:52

Instrument :
BNA_F
ClientSampleId :
SB-1A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.2	186.2
115	59.9	47.0	70.6

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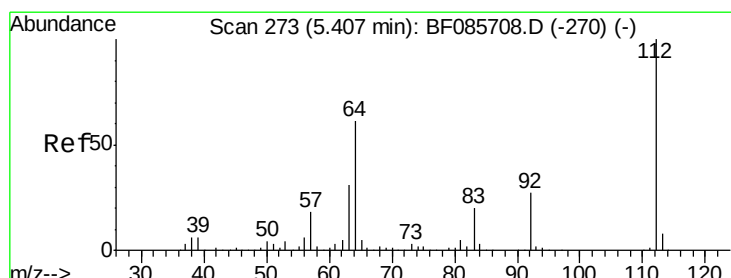
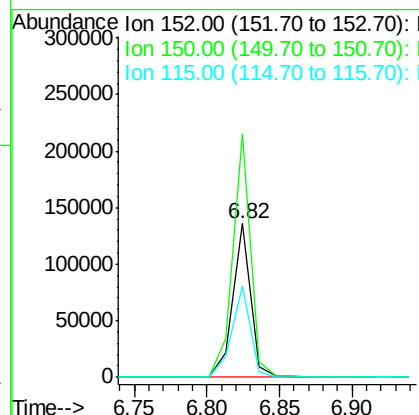
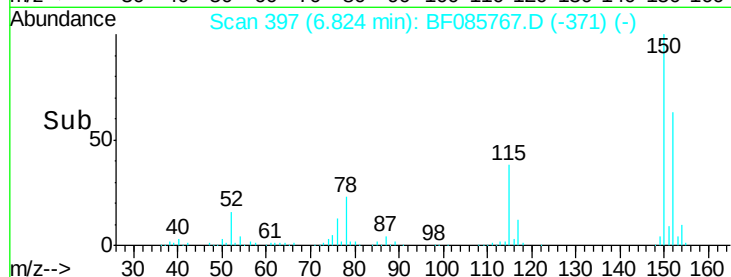


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

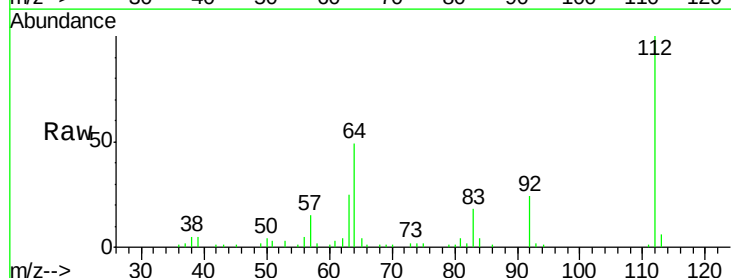
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 9.83 ng
RT: 5.42 min Scan# 274
Delta R.T. 0.01 min
Lab File: BF085767.D
Acq: 25 Mar 2016 17:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.9	39.9	59.9
63	24.8	20.2	30.2

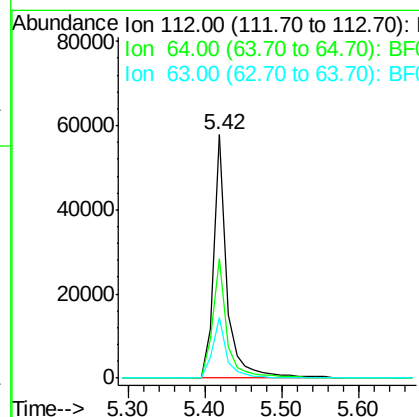
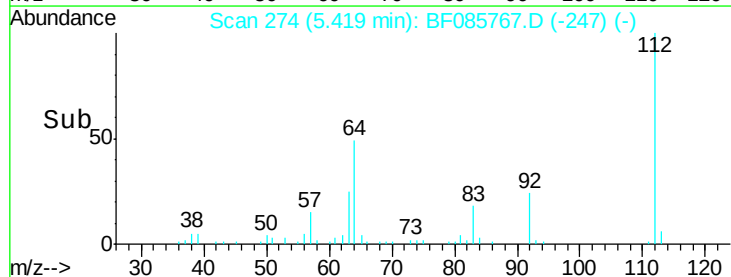


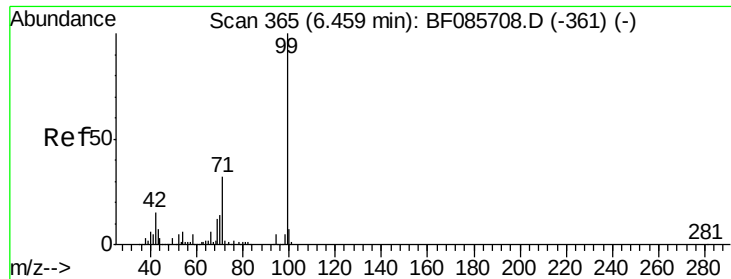
Abundance

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: 9.86 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085767.D

Acq: 25 Mar 2016 17:52

Instrument :

BNA_F

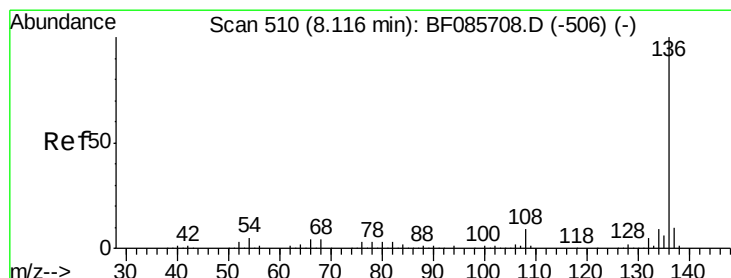
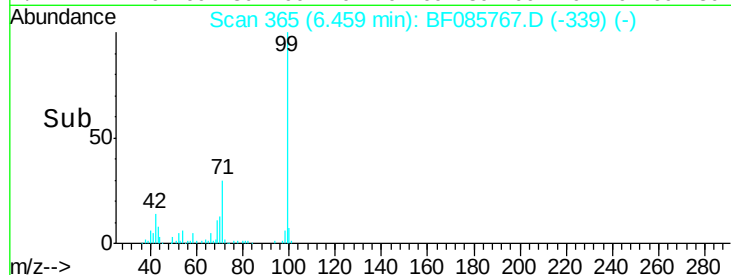
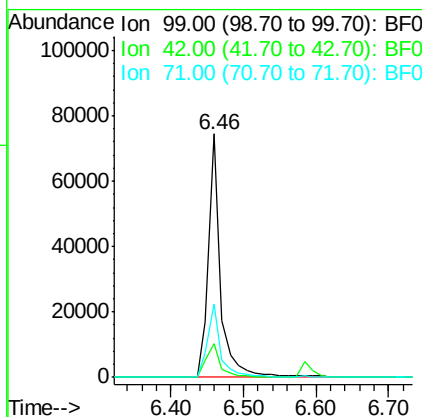
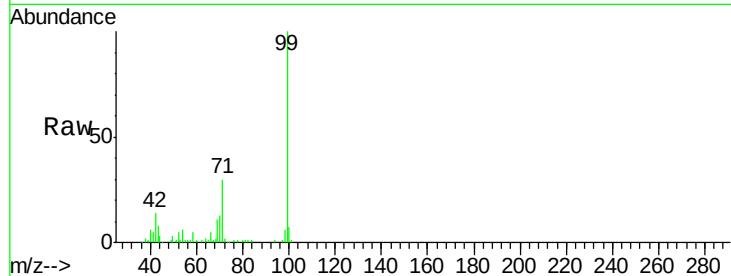
ClientSampleId :

SB-1A

Tot Ion:	99	Resp:	87408
Ion Ratio	Lower	Upper	
99	100		
42	13.9	11.1	16.7
71	30.0	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

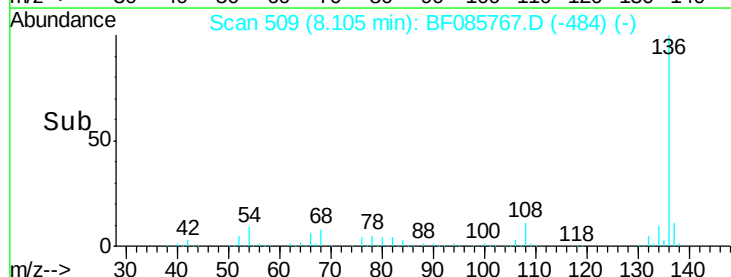
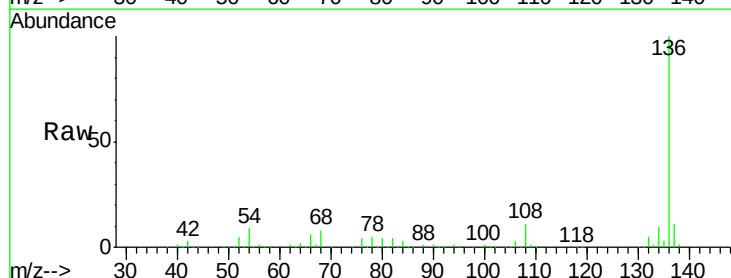
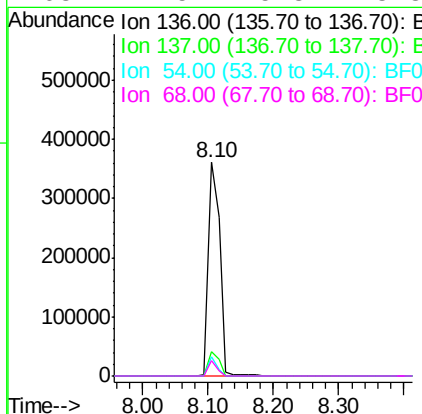
RT: 8.10 min Scan# 509

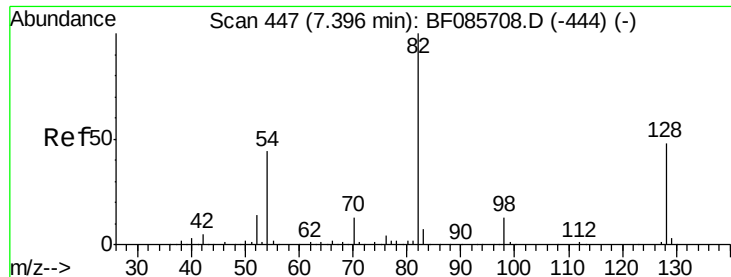
Delta R.T. -0.01 min

Lab File: BF085767.D

Acq: 25 Mar 2016 17:52

Tgt Ion:	136	Resp:	445625
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	9.3	7.4	11.0
68	7.5	5.8	8.8





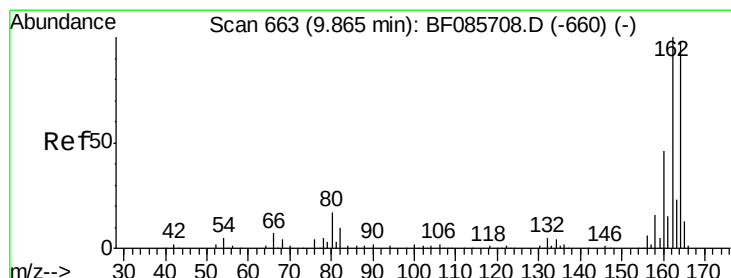
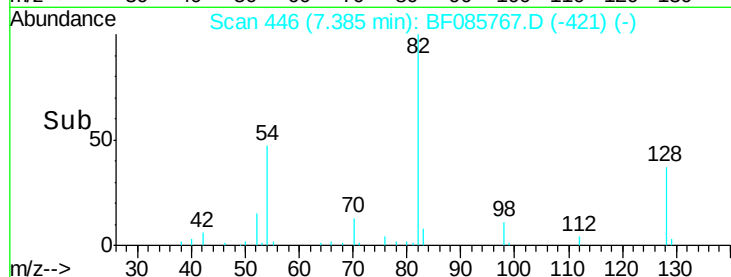
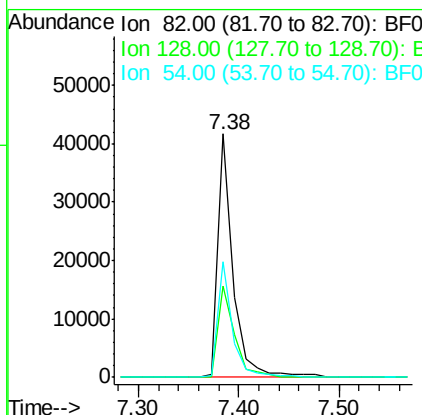
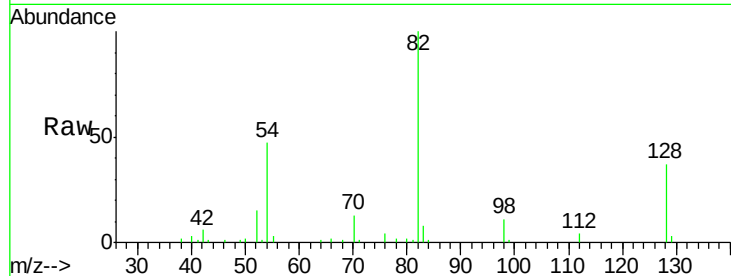
#23
 Nitrobenzene-d5
 Concen: 5.51 ng
 RT: 7.38 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BF085767.D
 Acq: 25 Mar 2016 17:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-1A

Tot Ion	82	Resp	43576
Ion Ratio	100	Lower	Upper
82	100		
128	37.4	41.8	62.8#
54	47.3	33.4	50.0

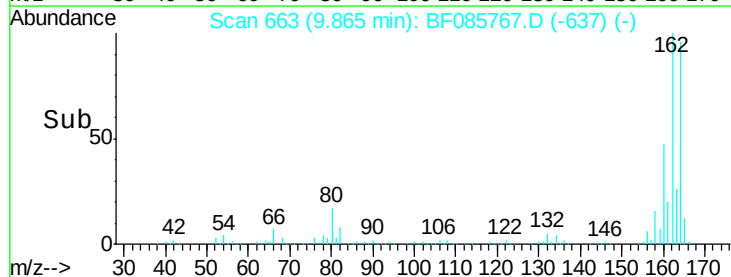
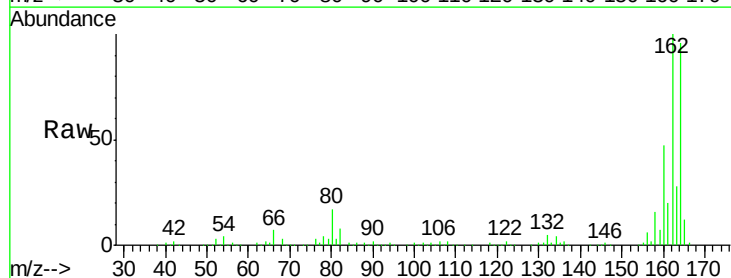
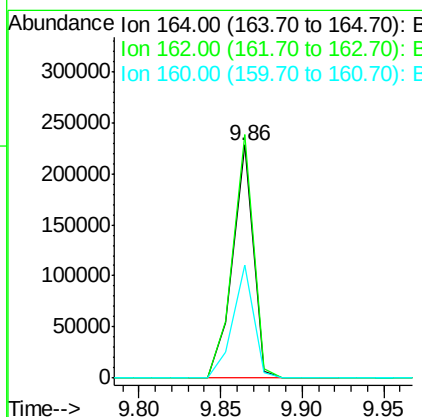
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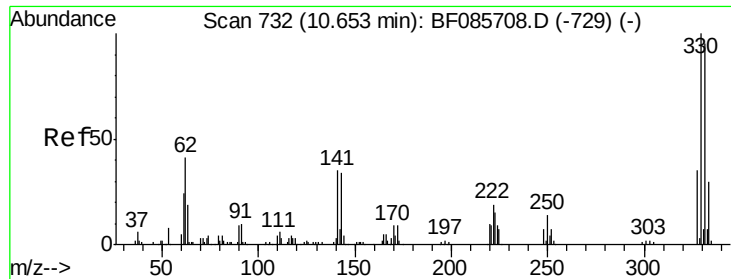
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF085767.D
 Acq: 25 Mar 2016 17:52

Tgt Ion	164	Resp	198930
Ion Ratio	100	Lower	Upper
164	100		
162	104.4	82.1	123.1
160	48.7	37.4	56.2





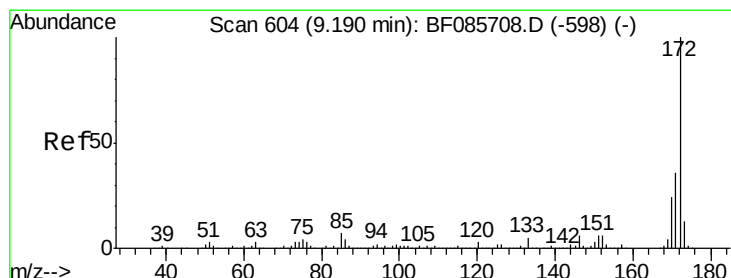
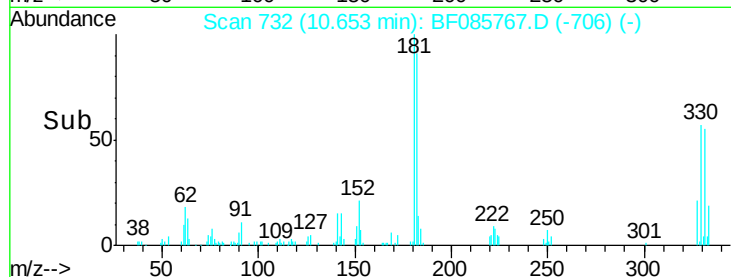
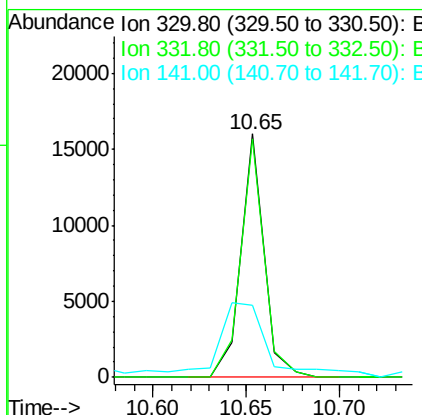
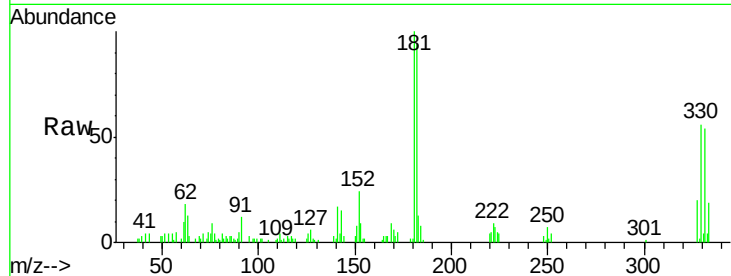
#41
 2,4,6-Tribromophenol
 Concen: 7.37 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF085767.D
 Acq: 25 Mar 2016 17:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-1A

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.5	78.2	117.2
141	65.9	31.5	47.3

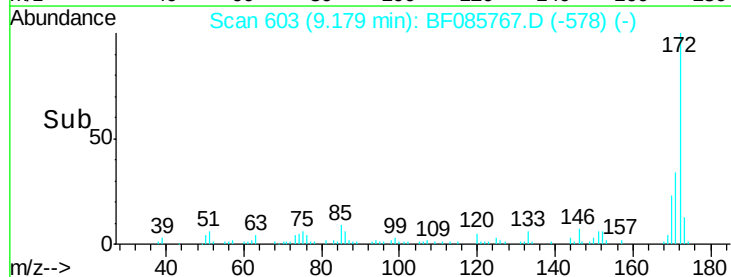
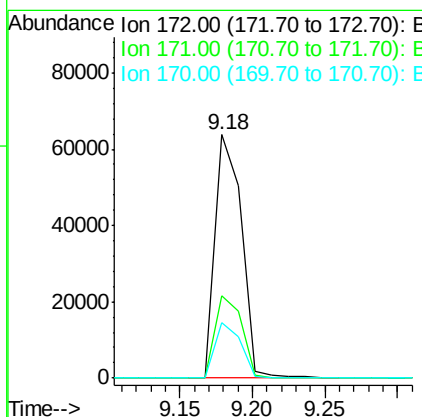
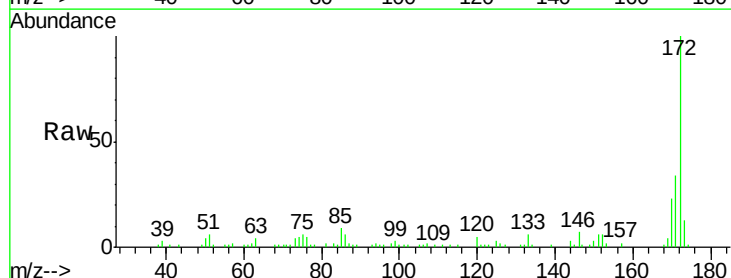
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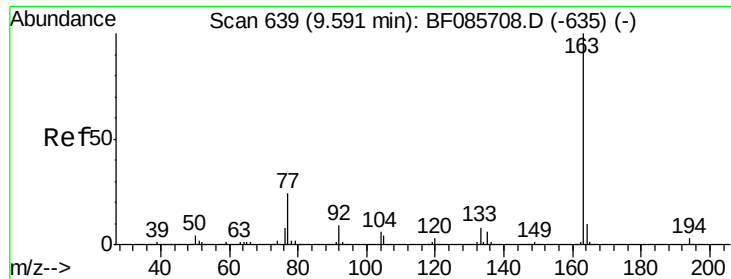
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#44
 2-Fluorobiphenyl
 Concen: 6.77 ng
 RT: 9.18 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF085767.D
 Acq: 25 Mar 2016 17:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	29.4	44.2
170	22.9	19.8	29.6





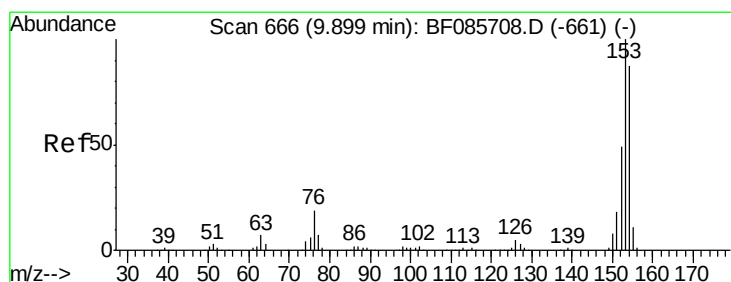
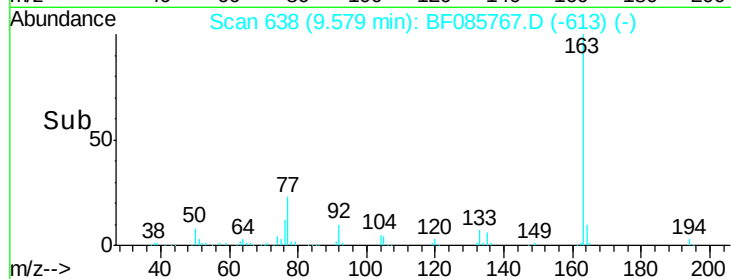
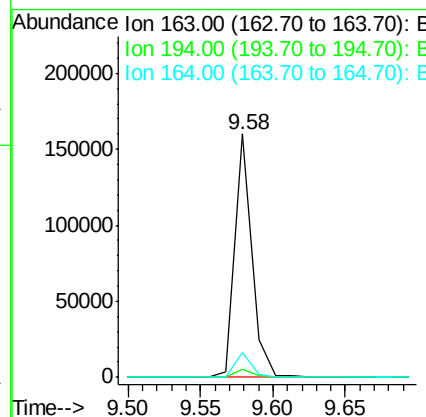
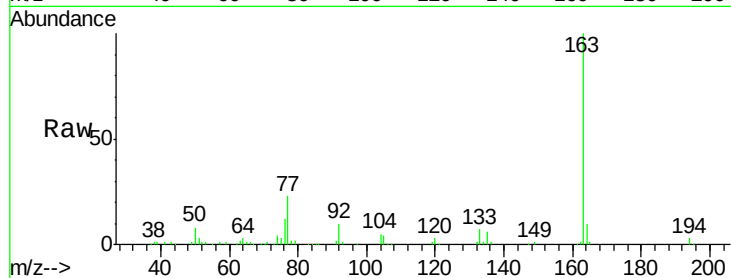
#49
Dimethylphthalate
Concen: 8.68 ng
RT: 9.58 min Scan# 638
Delta R.T. -0.01 min
Lab File: BF085767.D
Acq: 25 Mar 2016 17:52

Instrument :
BNA_F
ClientSampleId :
SB-1A

Tot Ion:	163	Resp:	131038
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.9	4.3
164	10.3	8.3	12.5

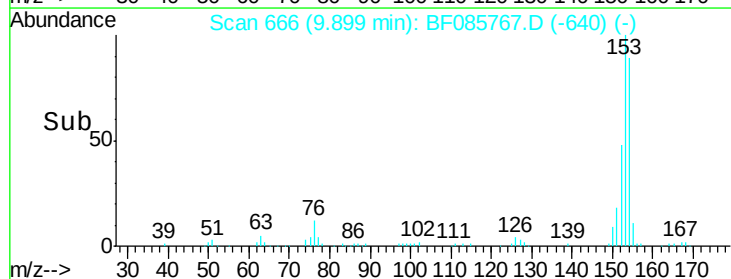
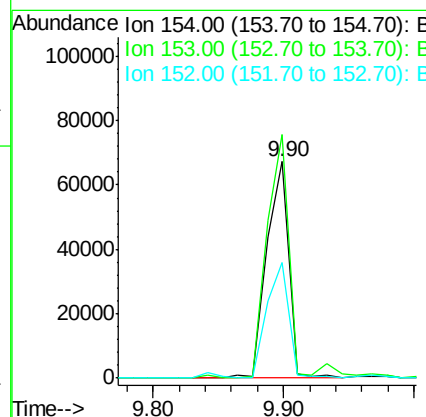
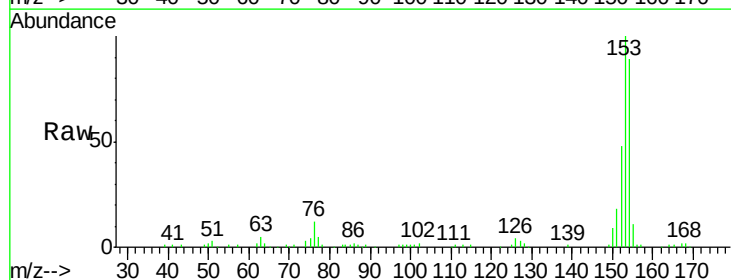
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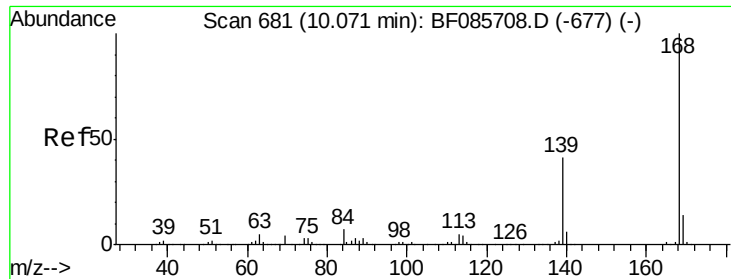
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#51
Acenaphthene
Concen: 6.43 ng
RT: 9.90 min Scan# 666
Delta R.T. -0.00 min
Lab File: BF085767.D
Acq: 25 Mar 2016 17:52

Tgt Ion:	154	Resp:	78978
Ion Ratio	Lower	Upper	
154	100		
153	112.6	90.1	135.1
152	53.7	44.2	66.2





#54

Dibenzenofuran

Concen: 3.62 ng

RT: 10.07 min Scan# 681

Delta R.T. -0.00 min

Lab File: BF085767.D

Acq: 25 Mar 2016 17:52

Instrument :

BNA_F

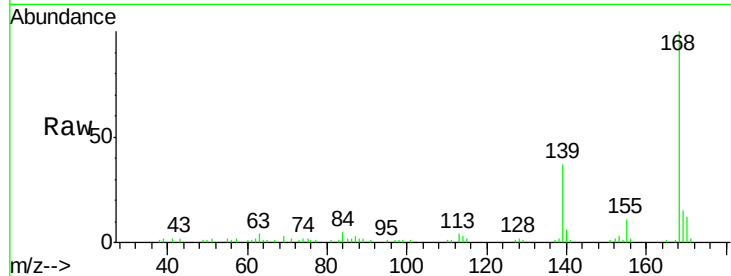
ClientSampleId :

SB-1A

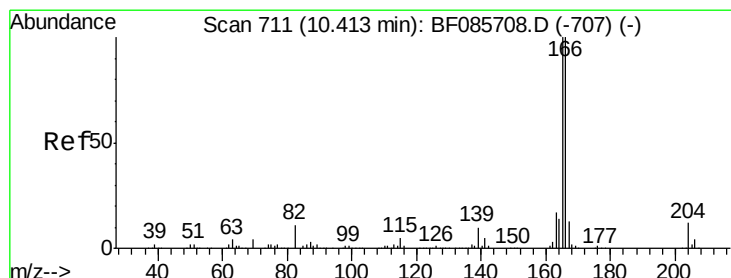
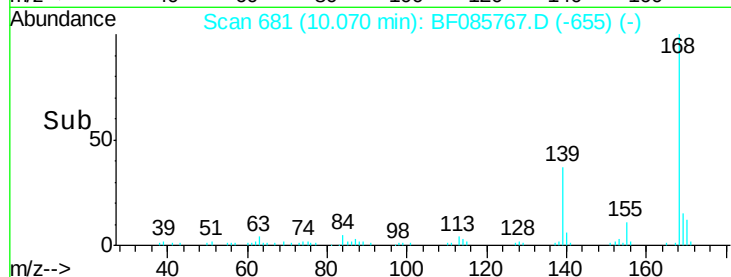
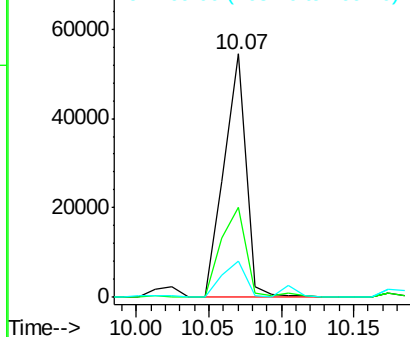
Tot Ion:	168	Resp:	57622
Ion Ratio	Lower	Upper	
168	100		
139	36.8	31.9	47.9
169	15.1	11.0	16.6

Manual Integrations
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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 6.59 ng

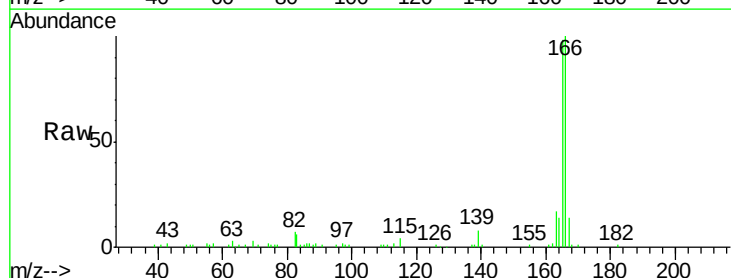
RT: 10.41 min Scan# 711

Delta R.T. -0.00 min

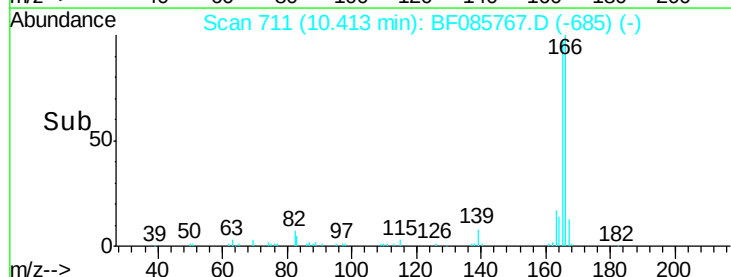
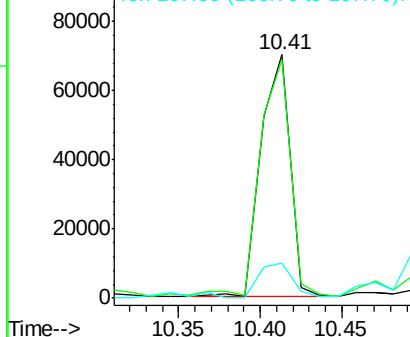
Lab File: BF085767.D

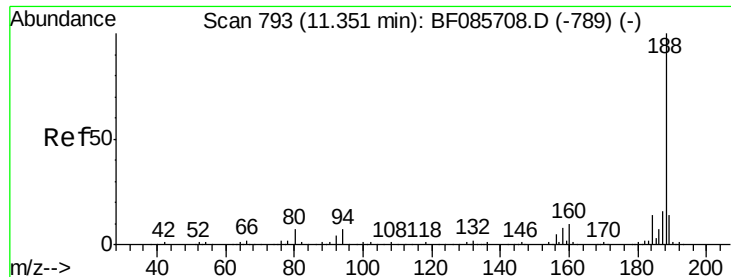
Acq: 25 Mar 2016 17:52

Tgt Ion:	166	Resp:	87083
Ion Ratio	Lower	Upper	
166	100		
165	97.9	79.4	119.0
167	14.1	11.0	16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





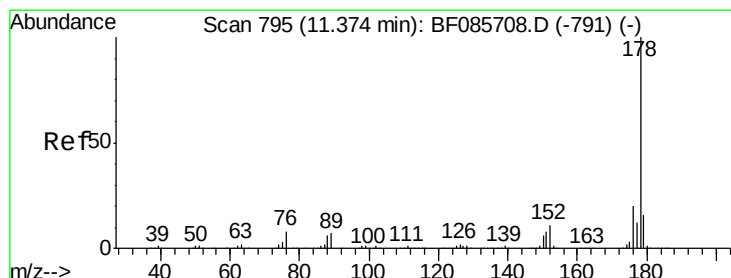
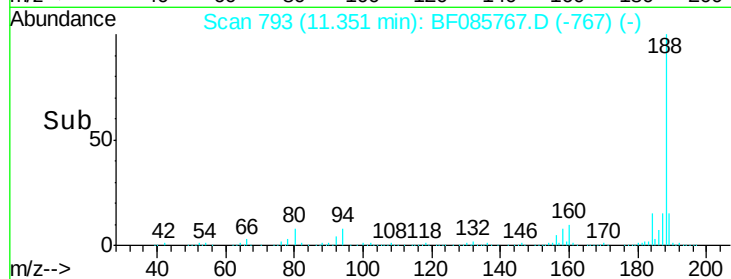
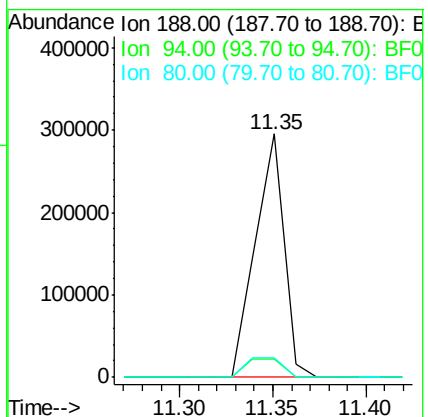
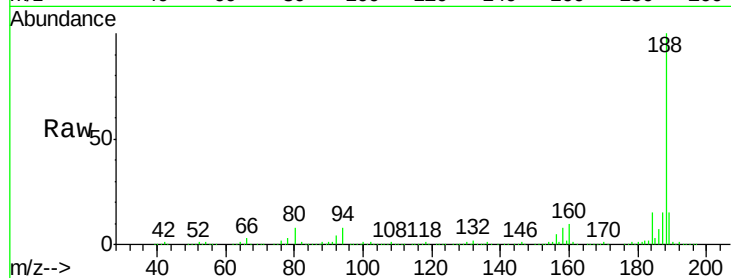
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF085767.D
Acq: 25 Mar 2016 17:52

Instrument :
BNA_F
ClientSampleId :
SB-1A

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.8	5.4	8.0
80	7.8	5.5	8.3

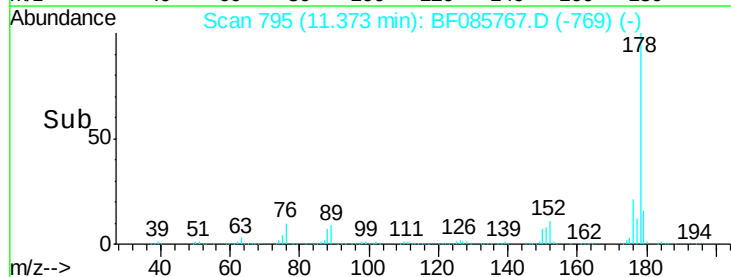
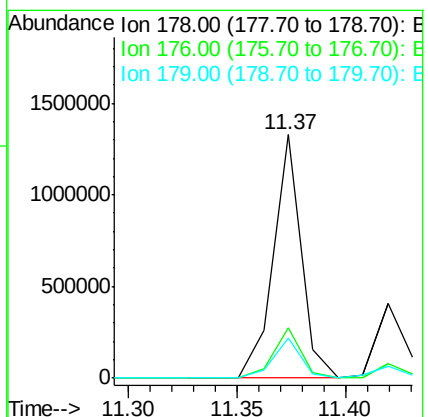
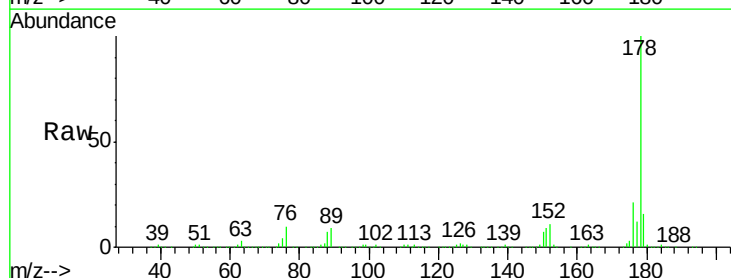
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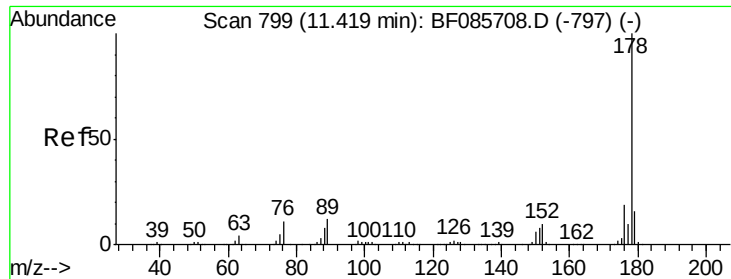
Sohil
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#70
Phenanthrene
Concen: 74.50 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF085767.D
Acq: 25 Mar 2016 17:52

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.7	16.3	24.5
179	16.3	12.6	18.8





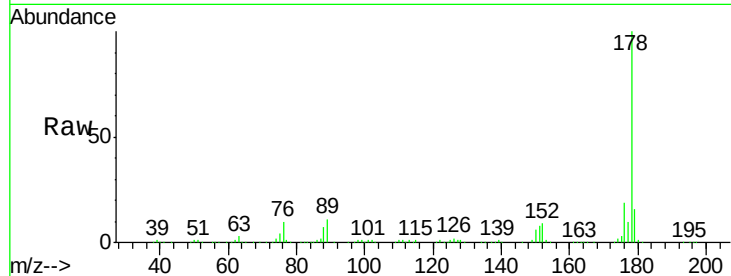
#71
 Anthracene
 Concen: 22.14 ng
 RT: 11.42 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF085767.D
 Acq: 25 Mar 2016 17:52

Instrument :
 BNA_F
 ClientSampled :
 SB-1A

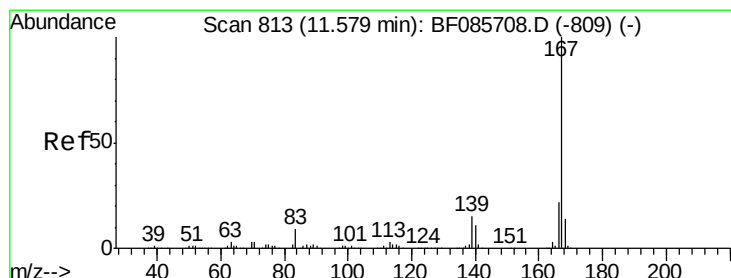
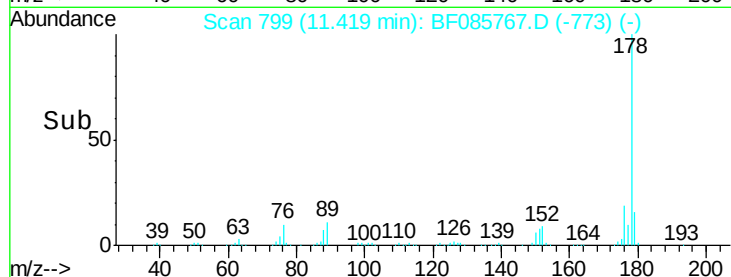
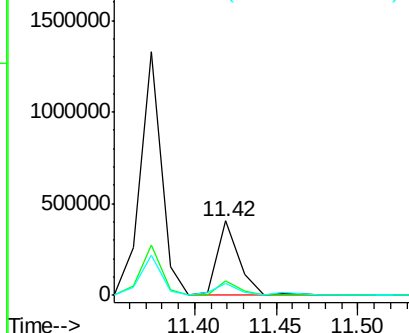
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.9	23.9
179	15.8	13.0	19.4

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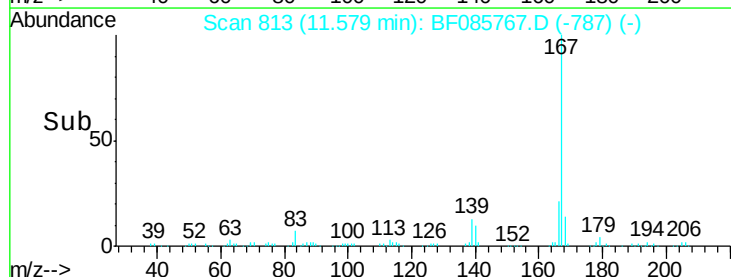
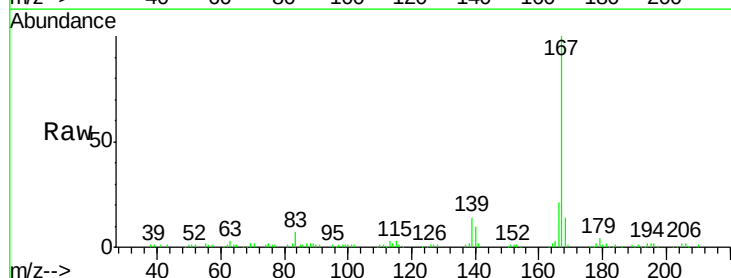
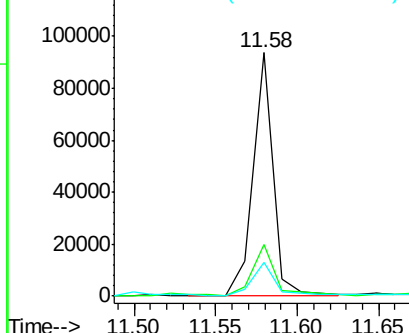
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

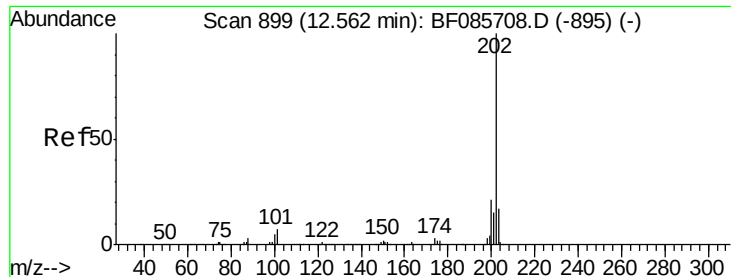


#72
 Carbazole
 Concen: 5.66 ng
 RT: 11.58 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF085767.D
 Acq: 25 Mar 2016 17:52

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.8	26.8
139	13.6	11.6	17.4

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 113.21 ng

RT: 12.56 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF085767.D

Acq: 25 Mar 2016 17:52

Instrument :

BNA_F

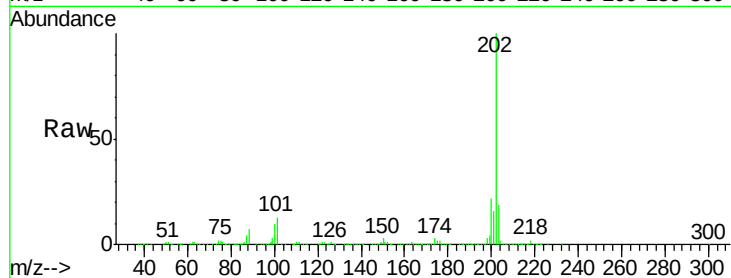
ClientSampleId :

SB-1A

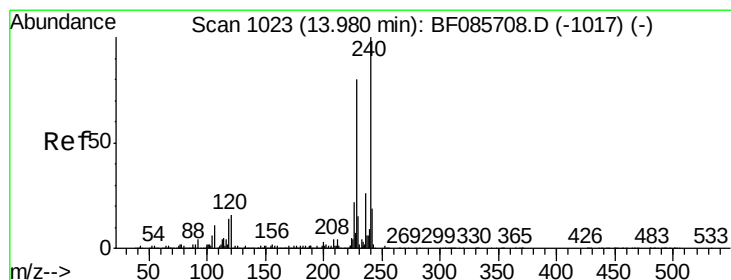
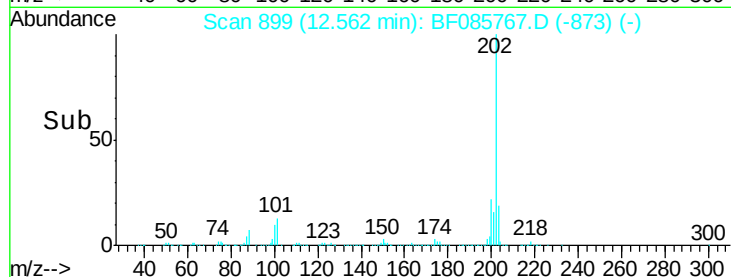
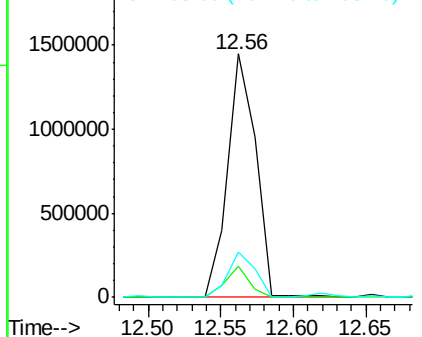
Tot Ion:	202	Resp:	1943764
Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	36.6
203	18.8	0.0	38.1

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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

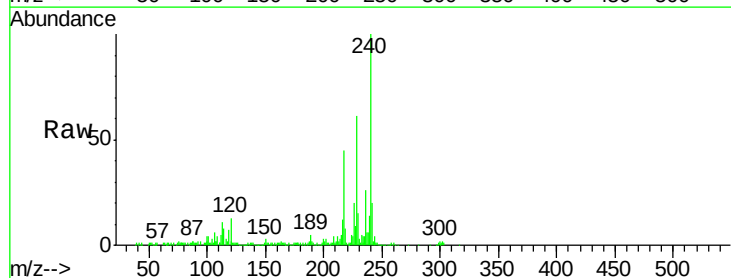
RT: 13.99 min Scan# 1024

Delta R.T. 0.01 min

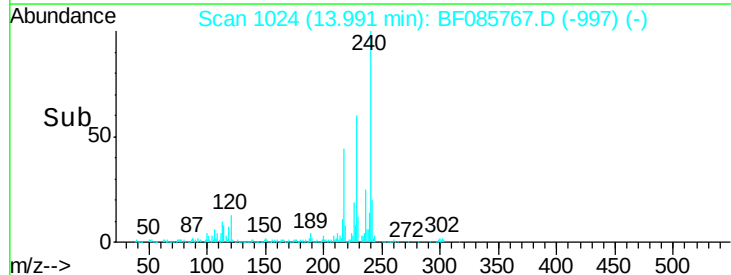
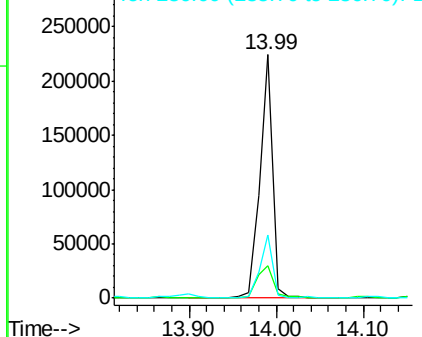
Lab File: BF085767.D

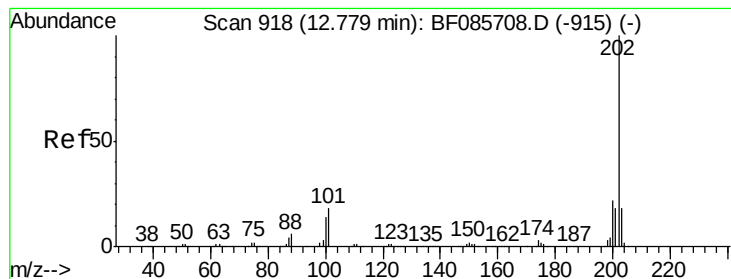
Acq: 25 Mar 2016 17:52

Tgt Ion:	240	Resp:	231516
Ion	Ratio	Lower	Upper
240	100		
120	13.5	13.8	20.8#
236	25.8	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

Pvrene

Concen: 82.15 ng

RT: 12.79 min Scan# 919

Delta R.T. 0.01 min

Lab File: BF085767.D

Acq: 25 Mar 2016 17:52

Instrument :

BNA_F

ClientSampleId :

SB-1A

Tot Ion:202 Resp: 1563442

Ion Ratio Lower Upper

202 100

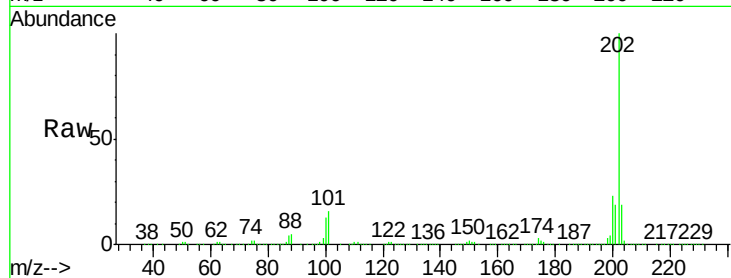
200 22.8 17.6 26.4

203 18.7 14.0 21.0

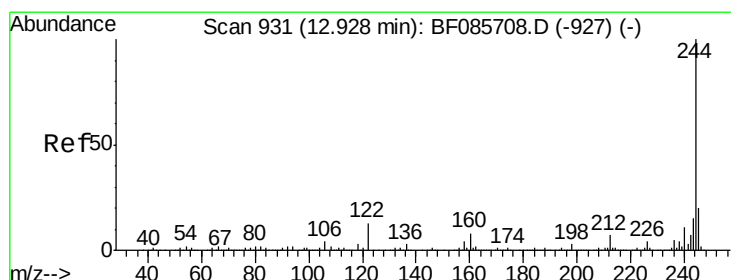
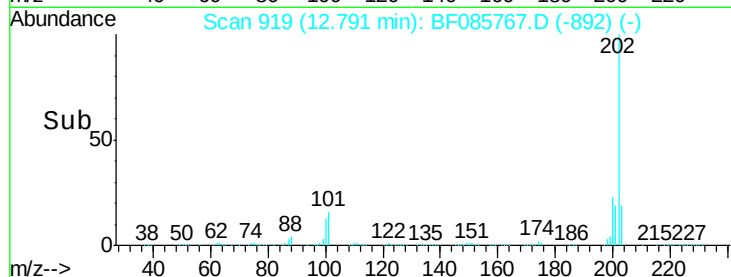
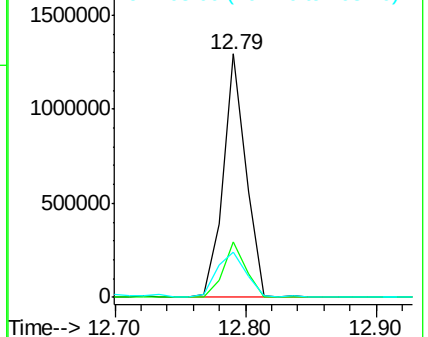
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 5.12 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF085767.D

Acq: 25 Mar 2016 17:52

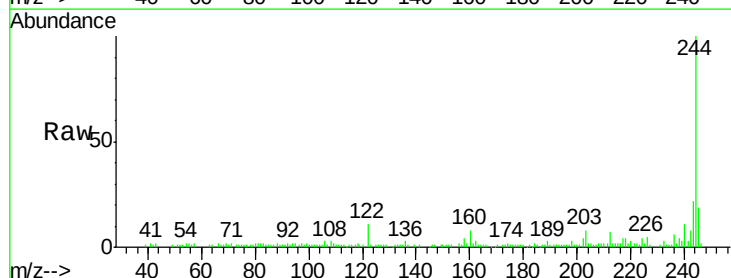
Tgt Ion:244 Resp: 57681

Ion Ratio Lower Upper

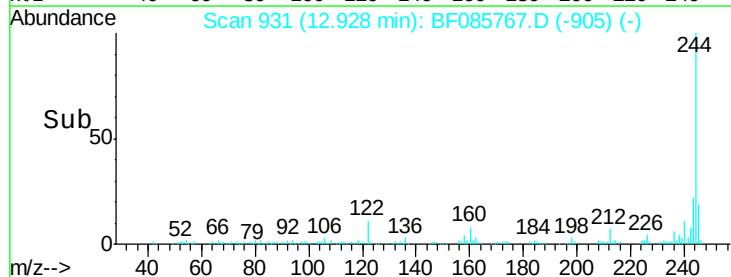
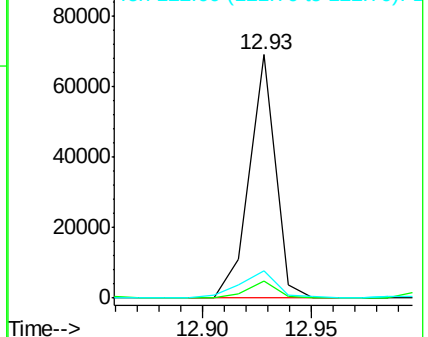
244 100

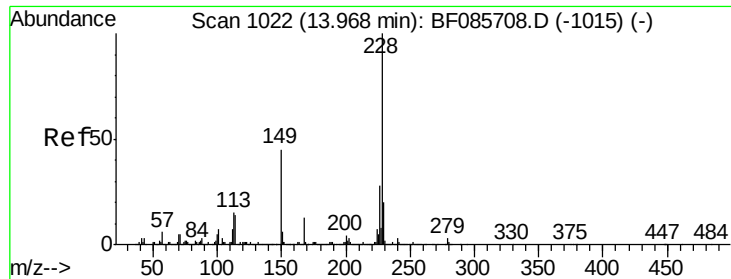
212 7.2 6.1 9.1

122 11.2 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





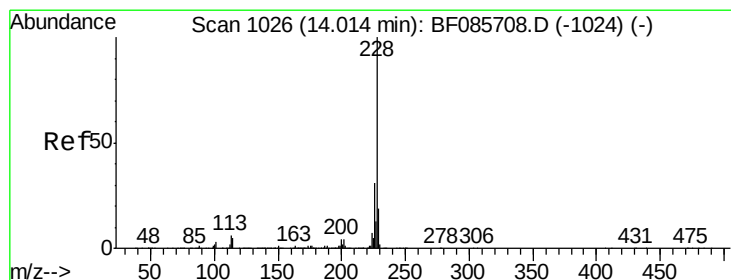
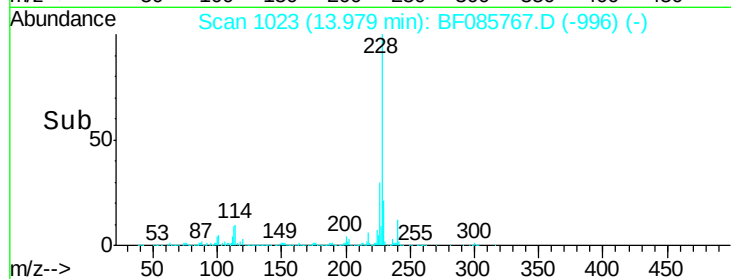
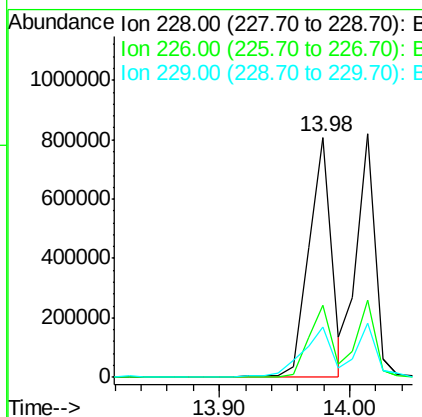
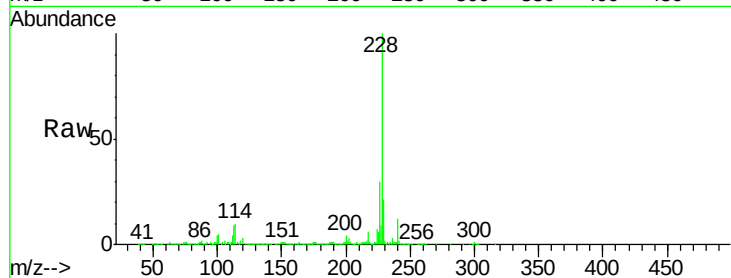
#80
Benzo(a)anthracene
Concen: 73.90 ng
RT: 13.98 min Scan# 1023
Delta R.T. 0.01 min
Lab File: BF085767.D
Acq: 25 Mar 2016 17:52

Instrument :
BNA_F
ClientSampled :
SB-1A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.1	33.1
229	20.8	16.2	24.4

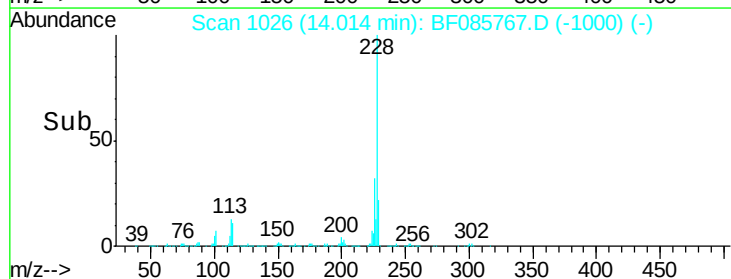
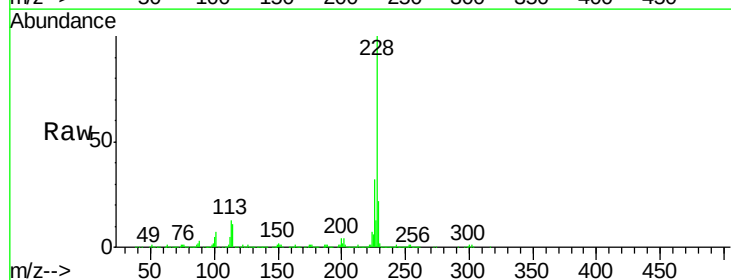
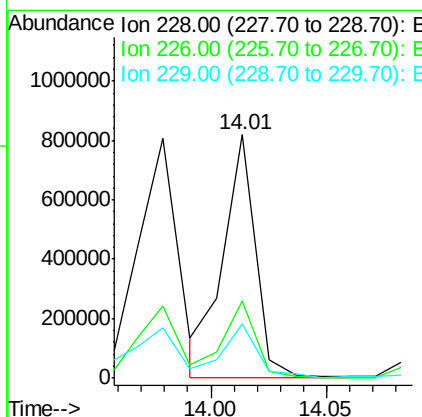
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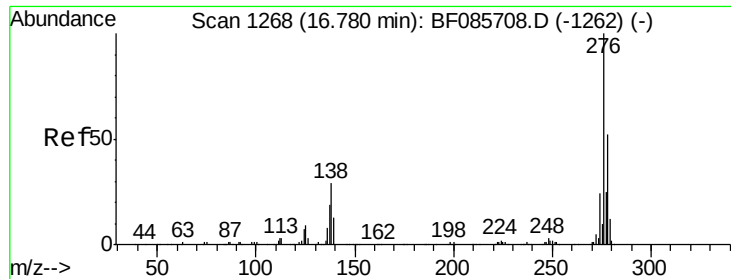
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#82
Chrysene
Concen: 60.37 ng m
RT: 14.01 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BF085767.D
Acq: 25 Mar 2016 17:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	22.4	15.7	23.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 38.98 ng

RT: 16.80 min Scan# 1270

Delta R.T. 0.02 min

Lab File: BF085767.D

Acq: 25 Mar 2016 17:52

Instrument :

BNA_F

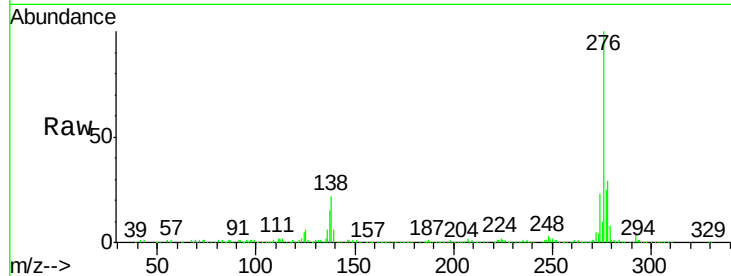
ClientSampleId :

SB-1A

Tot Ion:	276	Resp:	400243
Ion Ratio		Lower	Upper
276	100		
138	25.0	24.2	36.4
277	26.1	20.0	30.0

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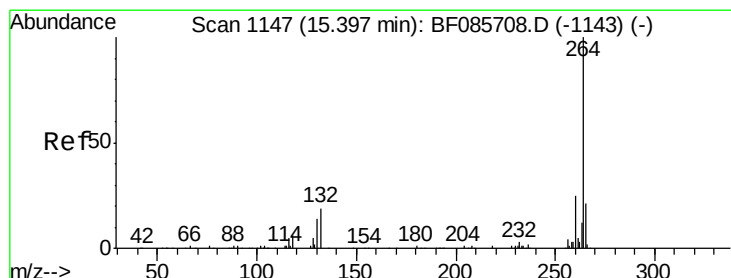
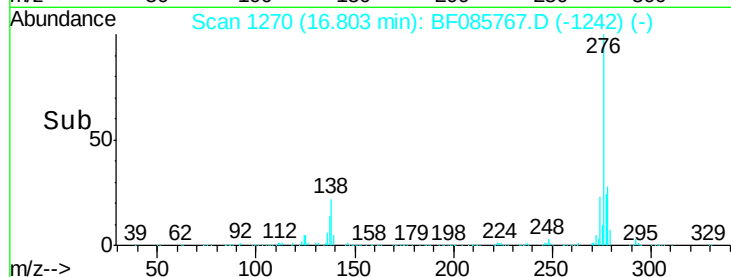
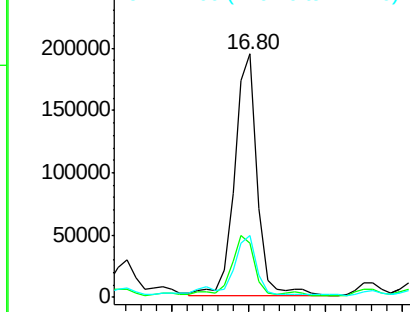


Abundance

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

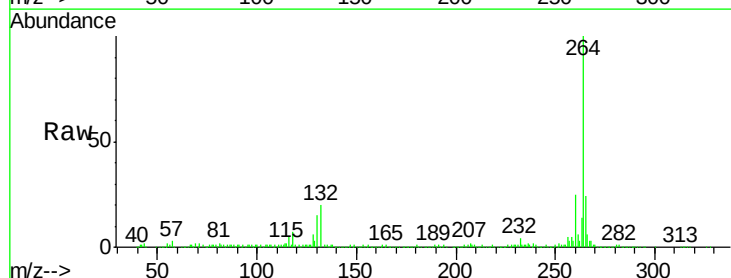
RT: 15.41 min Scan# 1148

Delta R.T. 0.01 min

Lab File: BF085767.D

Acq: 25 Mar 2016 17:52

Tgt Ion:	264	Resp:	221713
Ion Ratio		Lower	Upper
264	100		
260	24.7	19.4	29.2
265	23.7	17.2	25.8

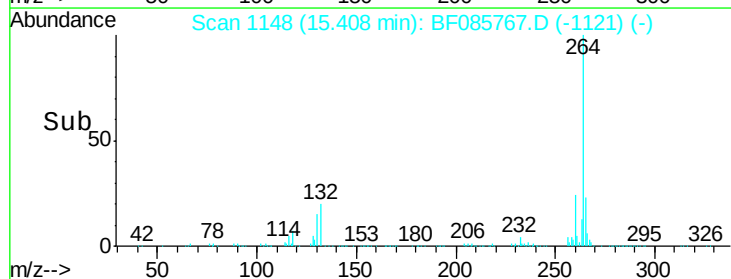
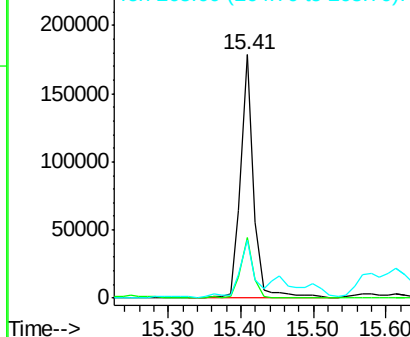


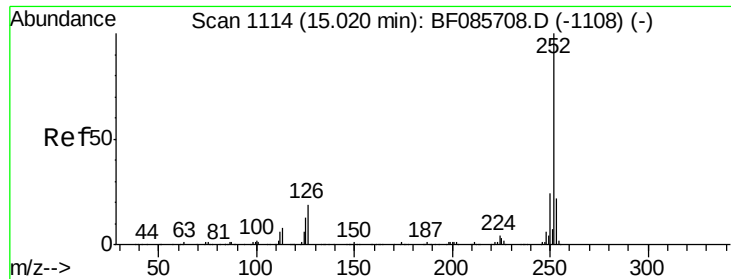
Abundance

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





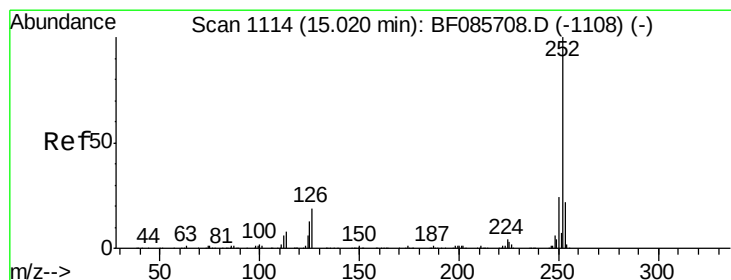
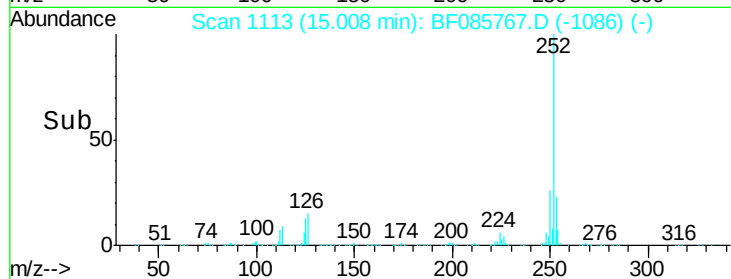
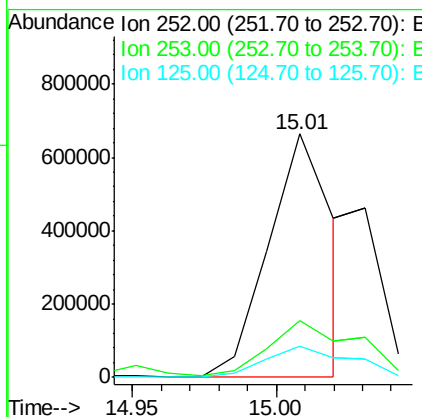
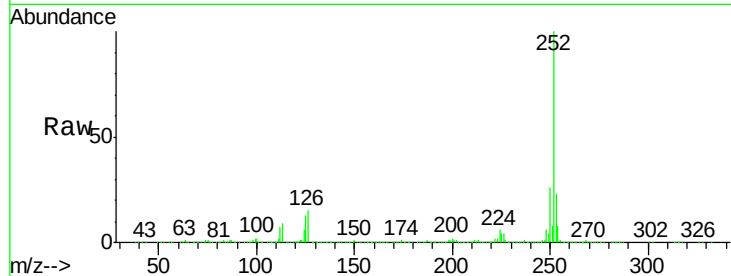
#87
Benzo(b)fluoranthene
Concen: 73.55 ng m
RT: 15.01 min Scan# 1113
Delta R.T. 0.01 min
Lab File: BF085767.D
Acq: 25 Mar 2016 17:52

Instrument :
BNA_F
ClientSampleId :
SB-1A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	13.0	10.3	15.5

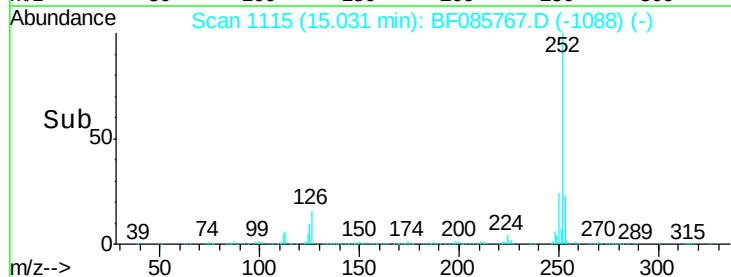
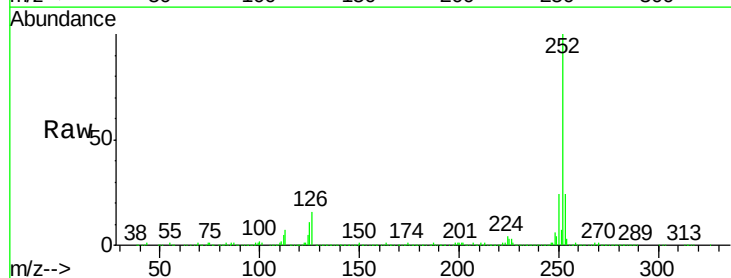
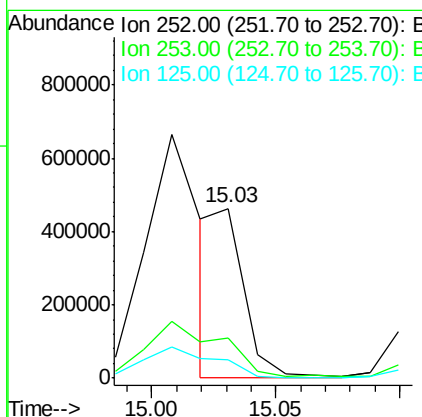
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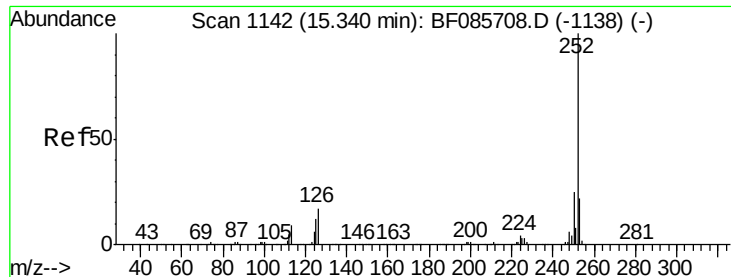
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#88
Benzo(k)fluoranthene
Concen: 30.07 ng m
RT: 15.03 min Scan# 1115
Delta R.T. 0.01 min
Lab File: BF085767.D
Acq: 25 Mar 2016 17:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	10.6	7.7	11.5





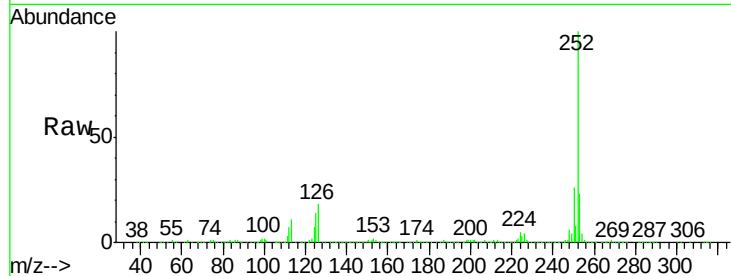
#89
Benzo(a)pyrene
Concen: 57.09 ng/mL
RT: 15.35 min Scan# 1143
Delta R.T. 0.01 min
Lab File: BF085767.D
Acq: 25 Mar 2016 17:52

Instrument :
BNA_F
ClientSampleId :
SB-1A

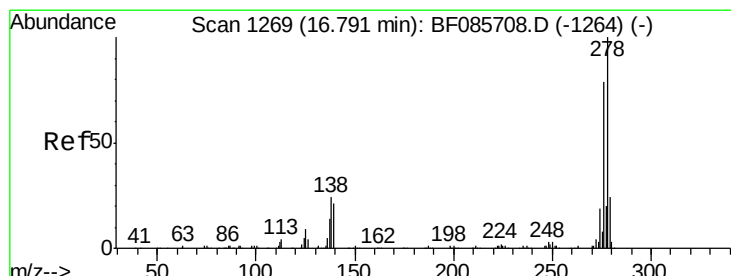
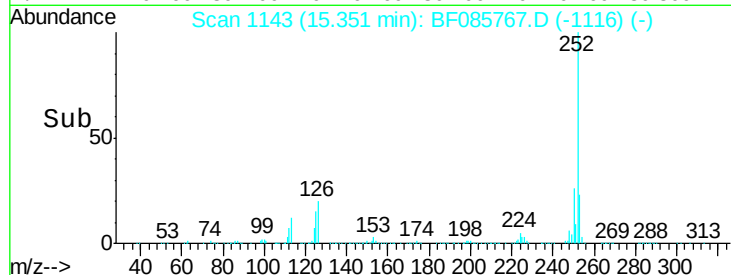
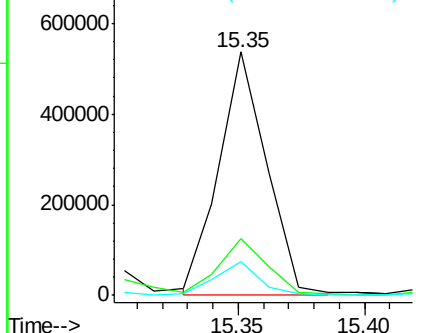
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	13.9	10.3	15.5

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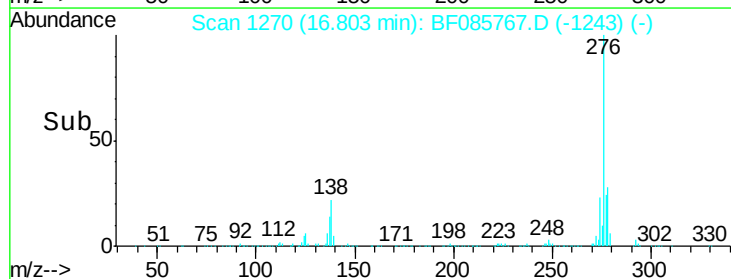
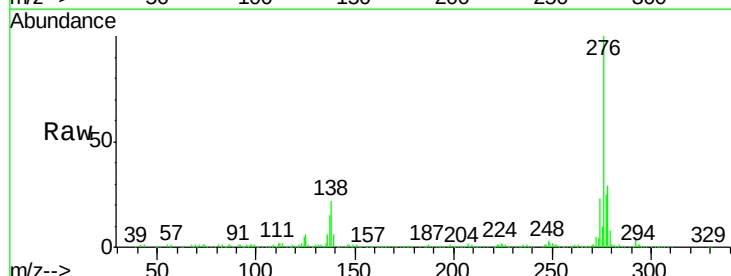
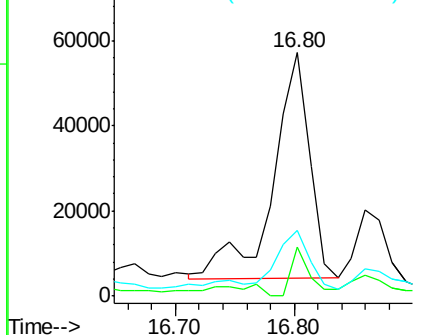
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

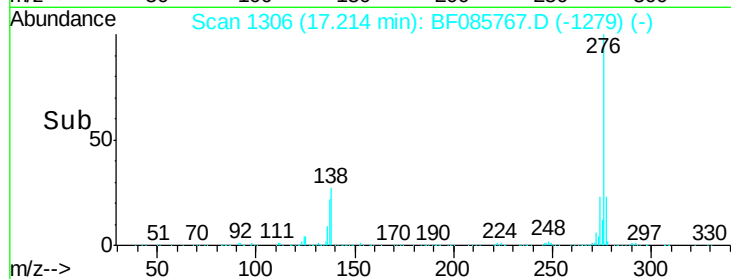
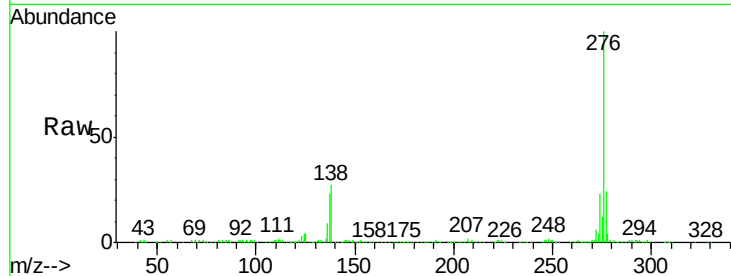
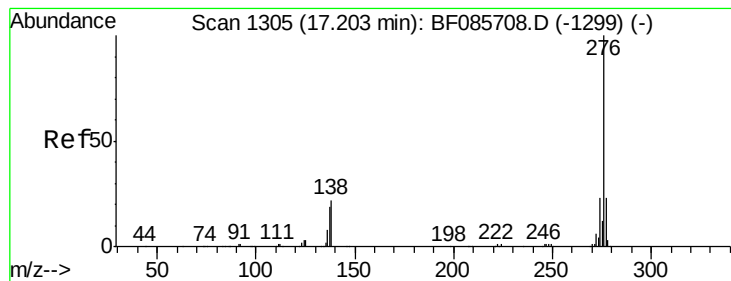


#90
Dibenzo(a,h)anthracene
Concen: 9.83 ng/mL
RT: 16.80 min Scan# 1270
Delta R.T. 0.01 min
Lab File: BF085767.D
Acq: 25 Mar 2016 17:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.9	14.4	21.6
279	26.8	19.1	28.7

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 28.59 ng

RT: 17.21 min Scan# 1306

Delta R.T. 0.01 min

Lab File: BF085767.D

Acq: 25 Mar 2016 17:52

Instrument :

BNA_F

ClientSampleId :

SB-1A

Tot Ion:	276	Resp:	333579
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.8	28.2
138	27.0	22.6	34.0

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