

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
 Data File : BF085370.D
 Acq On : 11 Mar 2016 14:16
 Operator : UM/SJ
 Sample : H1721-08
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

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 3/14/2016 10:44:54 AM

Quant Time: Mar 14 04:29:12 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	145507	20.00	ng	-0.05
21) Naphthalene-d8	8.22	136	606614	20.00	ng	-0.05
38) Acenaphthene-d10	9.98	164	289418	20.00	ng	-0.05
63) Phenanthrene-d10	11.46	188	511236	20.00	ng	-0.05
75) Chrysene-d12	14.11	240	289720	20.00	ng	-0.05
86) Perylene-d12	15.57	264	254529	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1366796	157.56	ng	-0.03
7) Phenol-d6	6.56	99	1462730	128.70	ng	-0.05
23) Nitrobenzene-d5	7.50	82	1005816	88.73	ng	-0.05
41) 2,4,6-Tribromophenol	10.77	330	330786	133.57	ng	-0.05
44) 2-Fluorobiphenyl	9.30	172	1588783	83.49	ng	-0.05
78) Terphenyl-d14	13.05	244	1177835	94.38	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	8.24	128	79433	2.66	ng	96
49) Dimethylphthalate	9.69	163	391381	17.62	ng	99
51) Acenaphthene	10.01	154	57803	3.25	ng	95
54) Dibenzofuran	10.18	168	96207	4.12	ng	93
57) Fluorene	10.53	166	152053	8.30	ng	99
70) Phenanthrene	11.50	178	2071602	77.32	ng	100
71) Anthracene	11.54	178	529491	18.62	ng	99
72) Carbazole	11.69	167	130510	5.23	ng	97
74) Fluoranthene	12.69	202	2282458	84.89	ng	99
77) Pyrene	12.92	202	1928940	88.46	ng	99
80) Benzo(a)anthracene	14.09	228	920200	53.06	ng	99
82) Chrysene	14.14	228	672348	41.96	ng	98
85) Indeno(1,2,3-cd)pyrene	17.03	276	319679	25.57	ng	94
87) Benzo(b)fluoranthene	15.15	252	817712m	48.20	ng	
88) Benzo(k)fluoranthene	15.17	252	114273m	8.35	ng	
89) Benzo(a)pyrene	15.51	252	502746	35.76	ng	# 96
90) Dibenzo(a,h)anthracene	17.04	278	80432m	6.70	ng	
91) Benzo(g,h,i)perylene	17.47	276	286189	23.72	ng	100

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

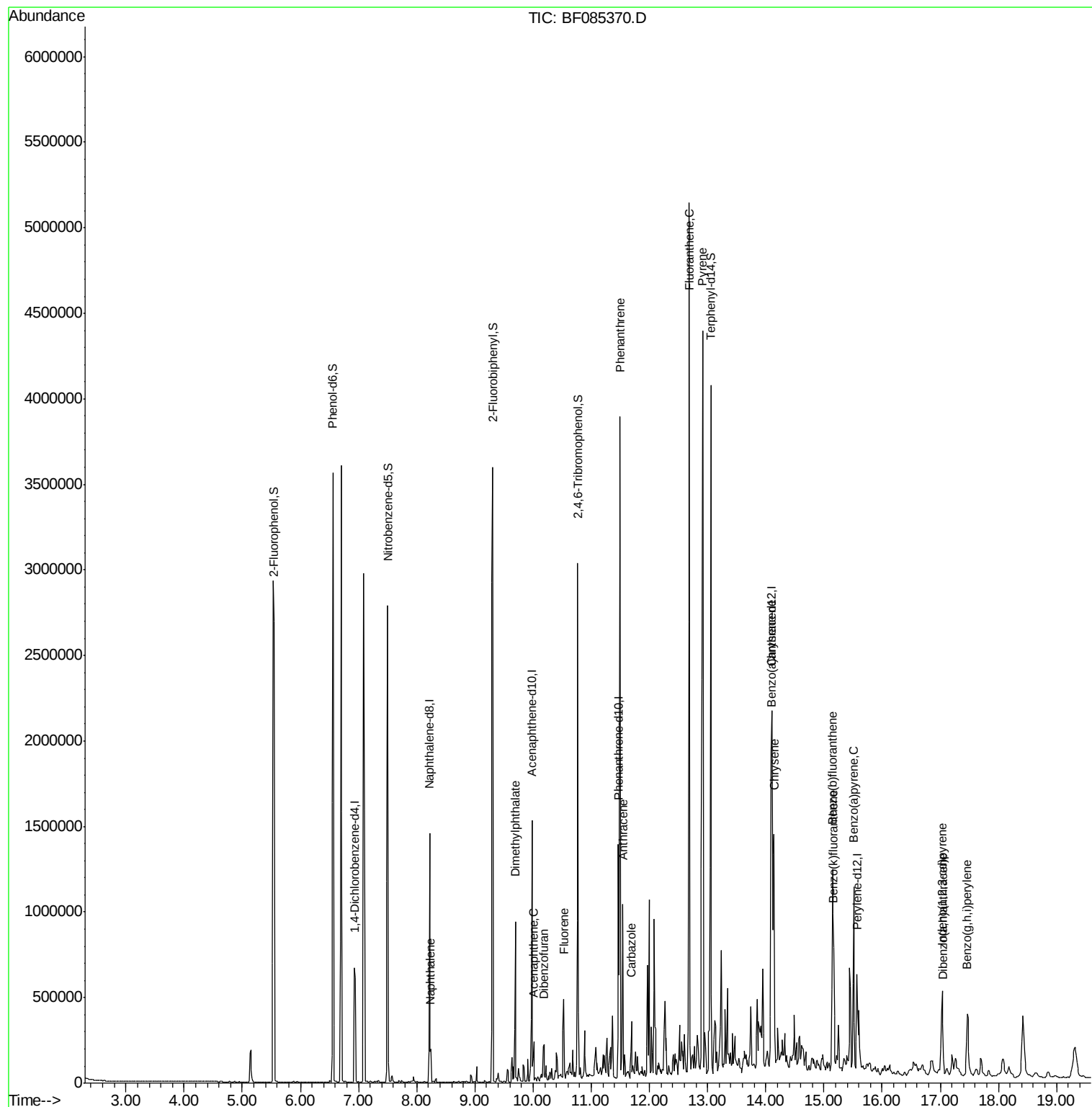
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
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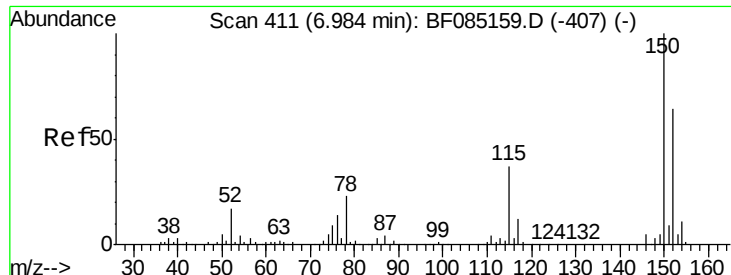
Instrument :
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#1

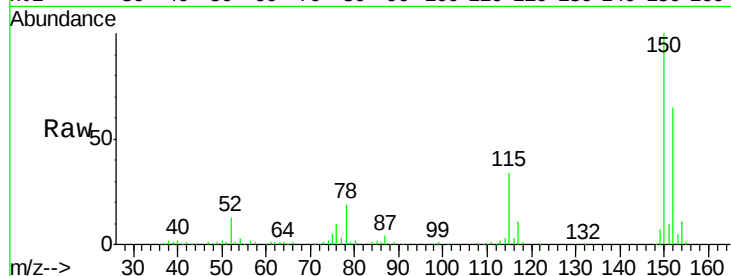
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 407
Delta R.T. -0.05 min
Lab File: BF085370.D
Acq: 11 Mar 2016 14:16

Instrument :
BNA_F
ClientSampleId :
WASTE

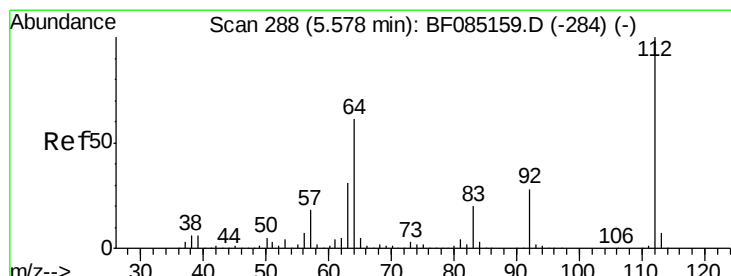
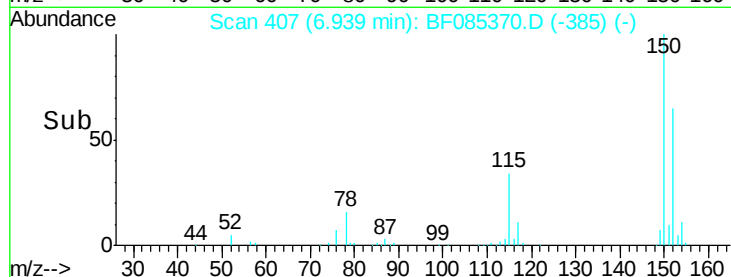
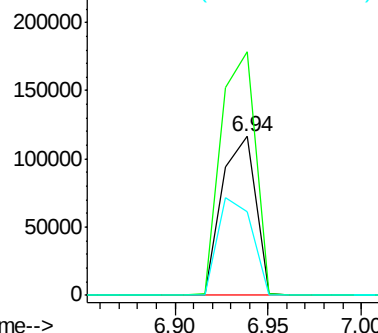
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	145507		
150	153.1	124.6	186.8	
115	52.6	46.6	70.0	

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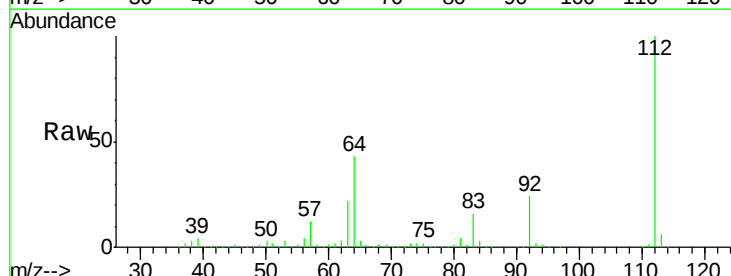
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



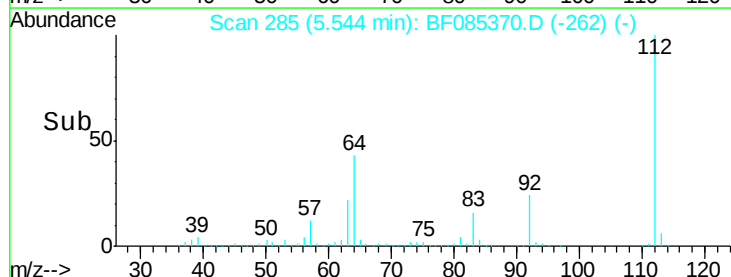
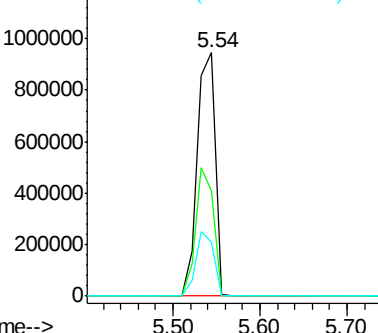
#5

2-Fluorophenol
Concen: 157.56 ng
RT: 5.54 min Scan# 285
Delta R.T. -0.03 min
Lab File: BF085370.D
Acq: 11 Mar 2016 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1366796		
64	43.2	49.0	73.4#	
63	22.0	24.8	37.2#	



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: 128.70 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085370.D

Acq: 11 Mar 2016 14:16

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 99 Resp: 1462730

Ion Ratio Lower Upper

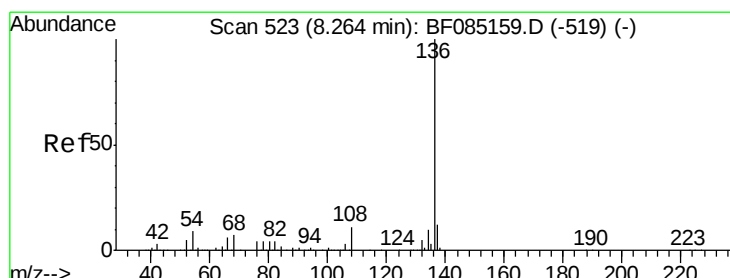
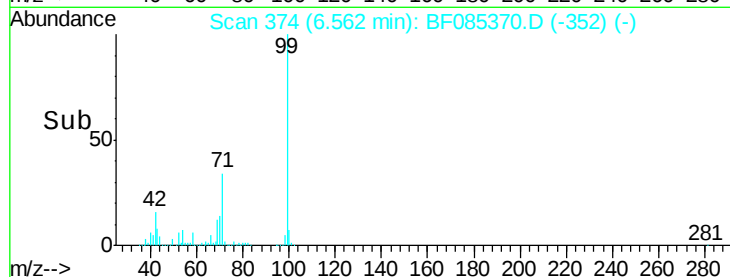
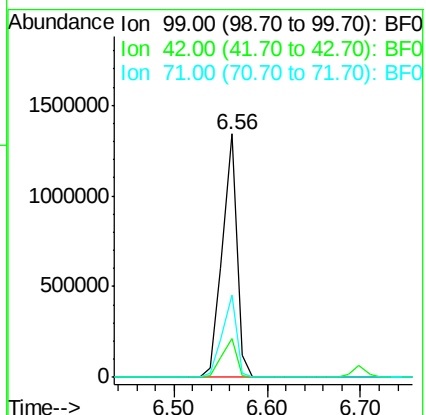
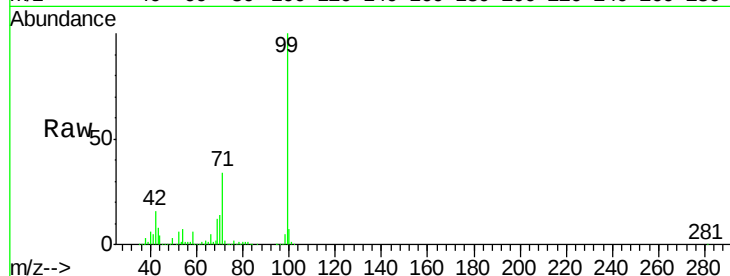
99 100

42 16.1 13.6 20.4

71 33.6 26.7 40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.22 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF085370.D

Acq: 11 Mar 2016 14:16

Tgt Ion: 136 Resp: 606614

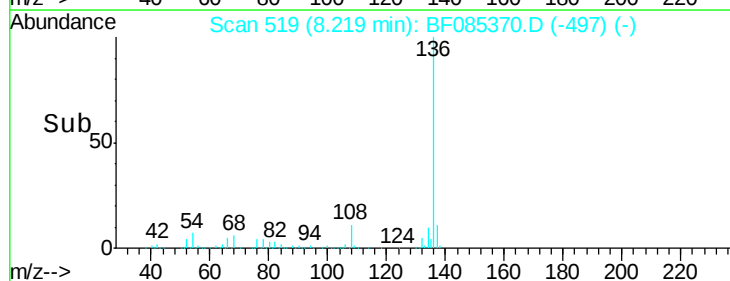
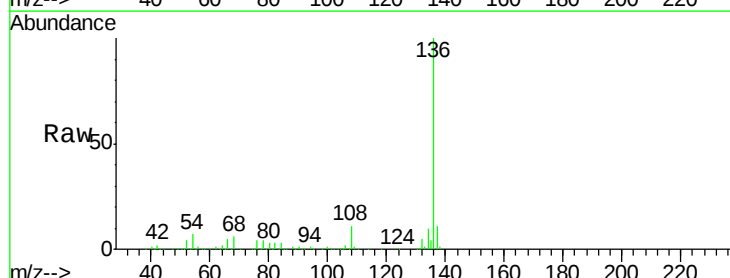
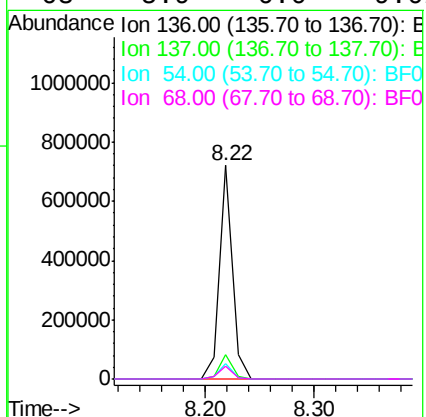
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 7.4 7.4 11.2#

68 5.9 6.0 9.0#





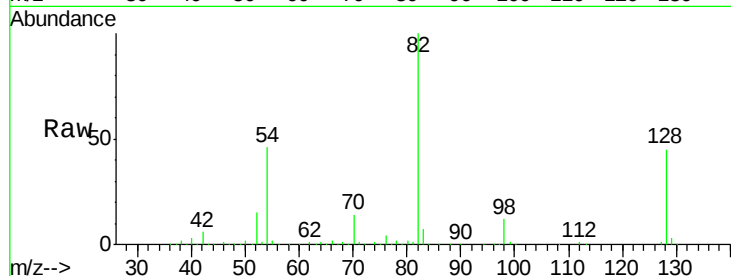
#23
 Nitrobenzene-d5
 Concen: 88.73 ng
 RT: 7.50 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF085370.D
 Acq: 11 Mar 2016 14:16

Instrument :
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 ClientSampleId :
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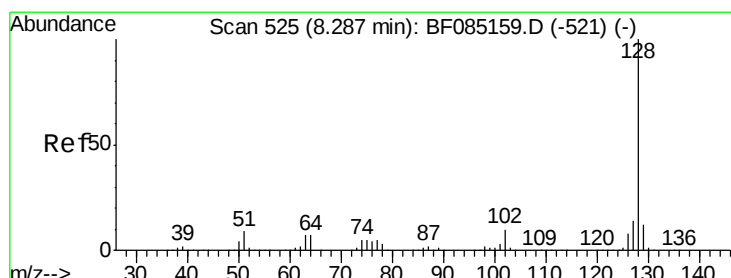
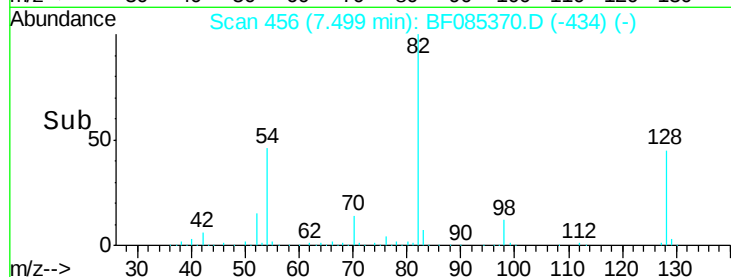
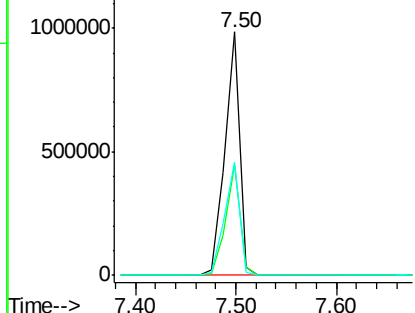
Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.4	34.5	51.7
54	46.3	39.3	58.9

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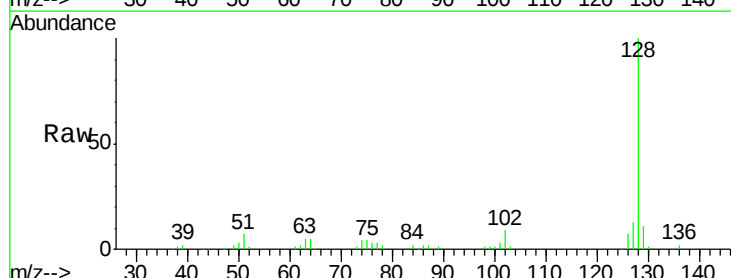


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

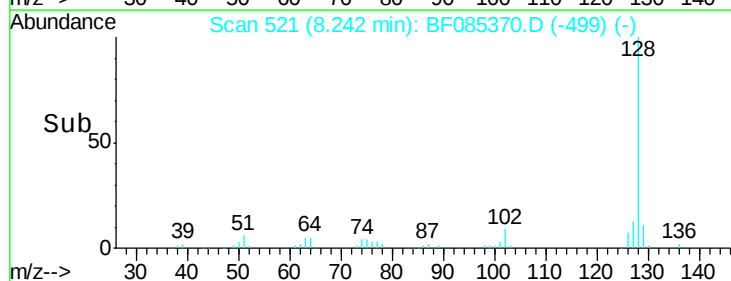
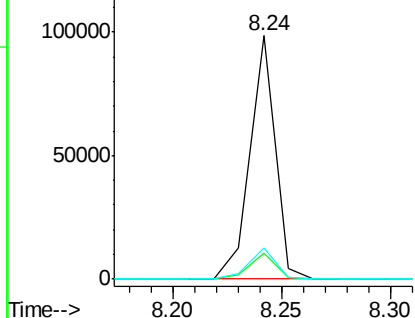


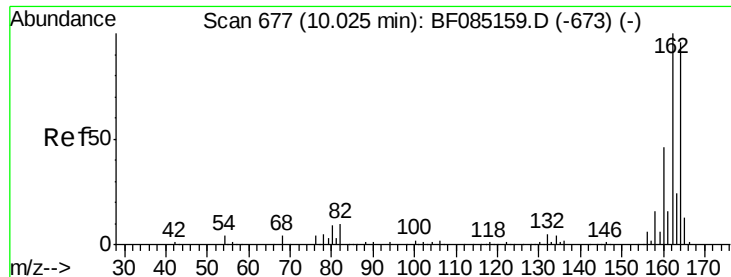
#31
 Naphthalene
 Concen: 2.66 ng
 RT: 8.24 min Scan# 521
 Delta R.T. -0.05 min
 Lab File: BF085370.D
 Acq: 11 Mar 2016 14:16

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.7	14.5
127	12.6	11.2	16.8



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





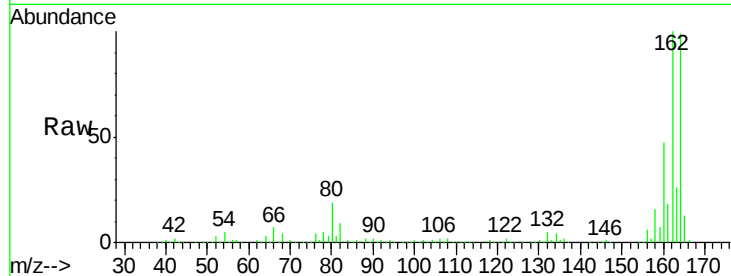
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.98 min Scan# 673
 Delta R.T. -0.05 min
 Lab File: BF085370.D
 Acq: 11 Mar 2016 14:16

Instrument :
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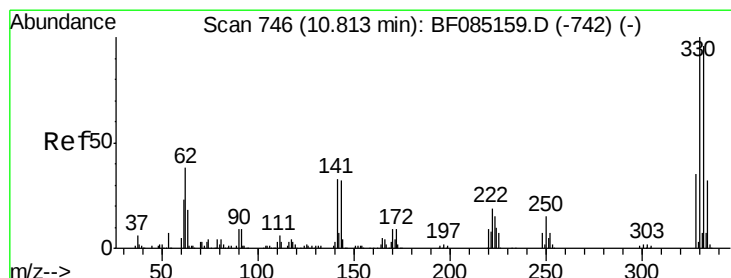
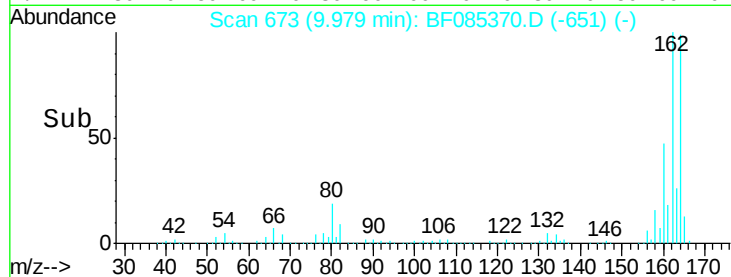
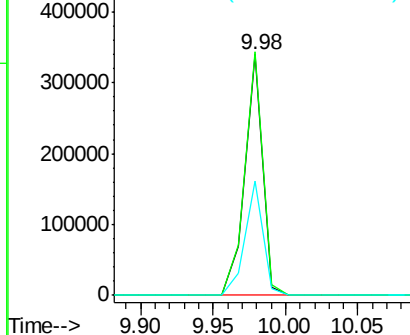
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	289418		
162	101.2	83.3	124.9	
160	47.7	37.9	56.9	

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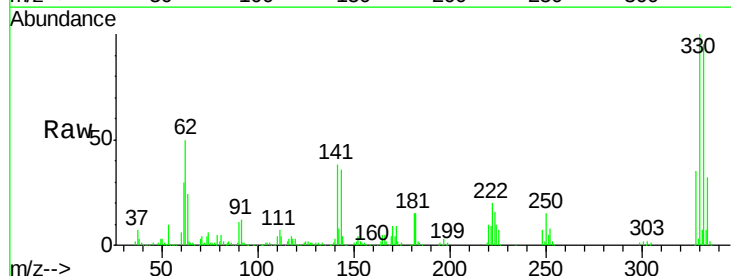


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

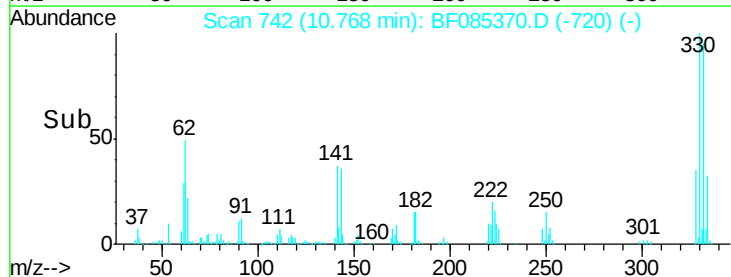
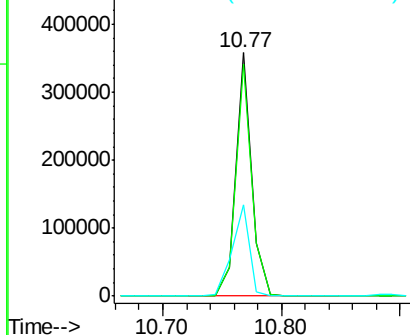


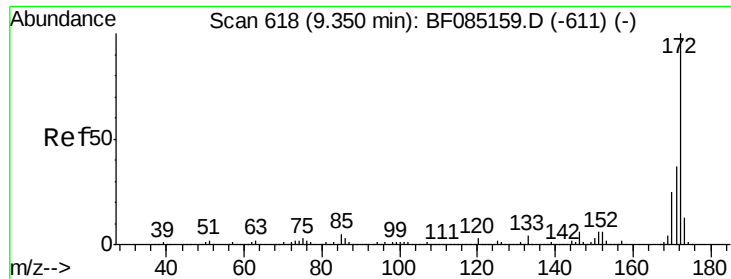
#41
 2,4,6-Tribromophenol
 Concen: 133.57 ng
 RT: 10.77 min Scan# 742
 Delta R.T. -0.05 min
 Lab File: BF085370.D
 Acq: 11 Mar 2016 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	330786		
332	96.4	77.1	115.7	
141	40.9	35.0	52.6	



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





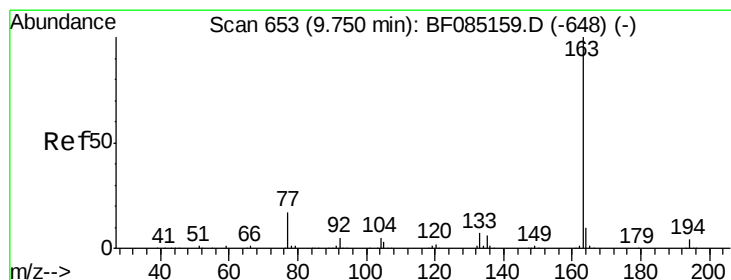
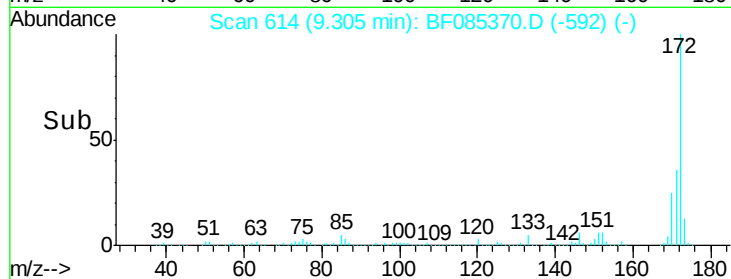
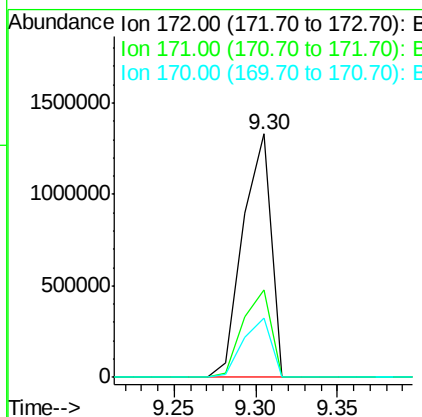
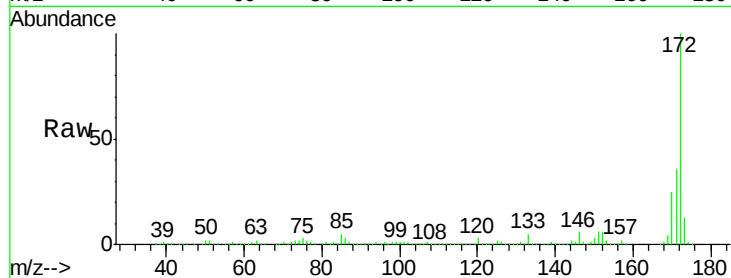
#44
2-Fluorobiphenyl
Concen: 83.49 ng
RT: 9.30 min Scan# 614
Delta R.T. -0.05 min
Lab File: BF085370.D
Acq: 11 Mar 2016 14:16

Instrument :
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Tgt Ion:172 Resp: 1588783
Ion Ratio Lower Upper
172 100
171 36.1 29.3 43.9
170 24.5 20.0 30.0

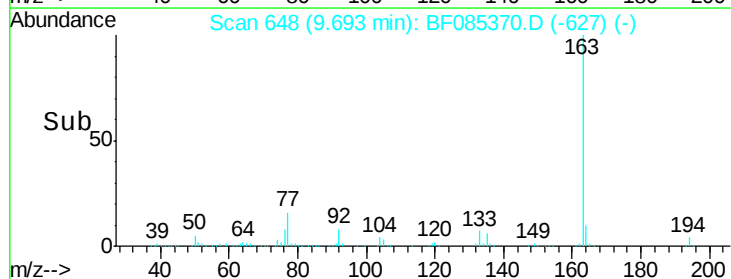
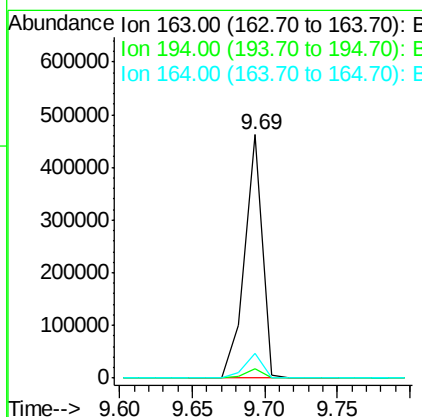
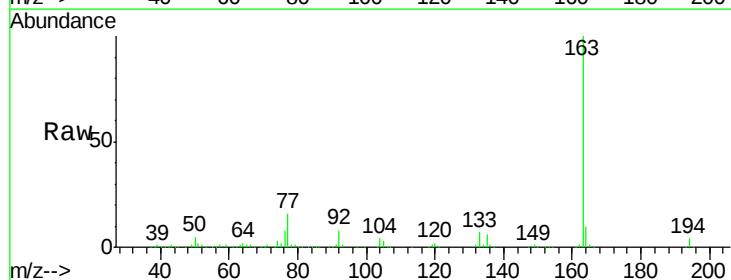
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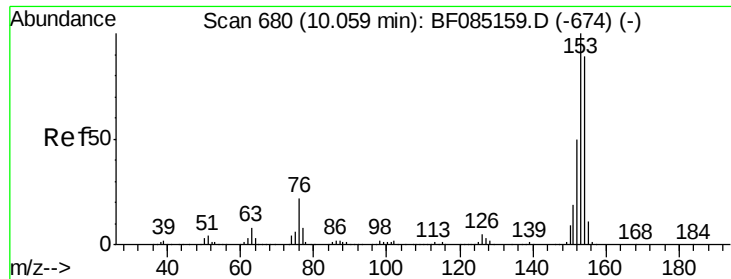
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#49
Dimethylphthalate
Concen: 17.62 ng
RT: 9.69 min Scan# 648
Delta R.T. -0.06 min
Lab File: BF085370.D
Acq: 11 Mar 2016 14:16

Tgt Ion:163 Resp: 391381
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 10.0 8.2 12.4





#51

Acenaphthene

Concen: 3.25 ng

RT: 10.01 min Scan# 676

Delta R.T. -0.05 min

Lab File: BF085370.D

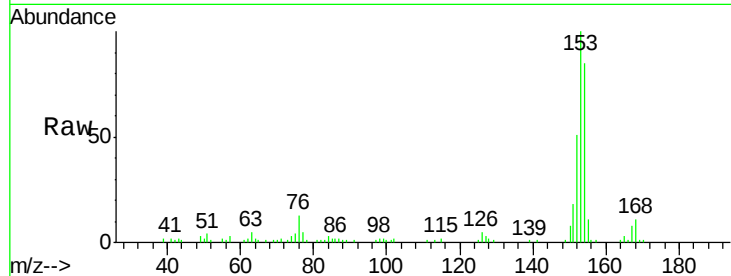
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Instrument :

BNA_F

ClientSampleId :

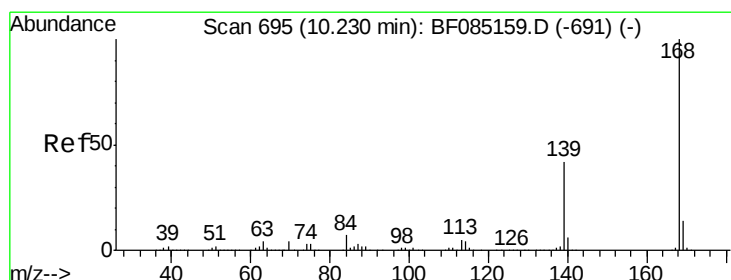
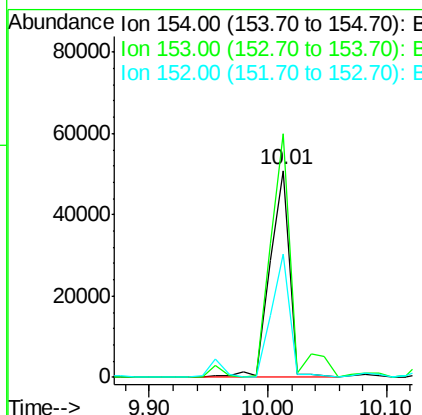
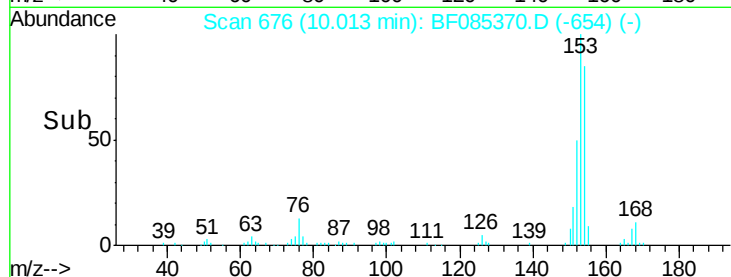
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Tgt Ion:	154	Resp:	57803
Ion Ratio	Lower	Upper	
154	100		
153	117.7	89.8	134.8
152	59.6	44.6	66.8

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#54

Dibenzofuran

Concen: 4.12 ng

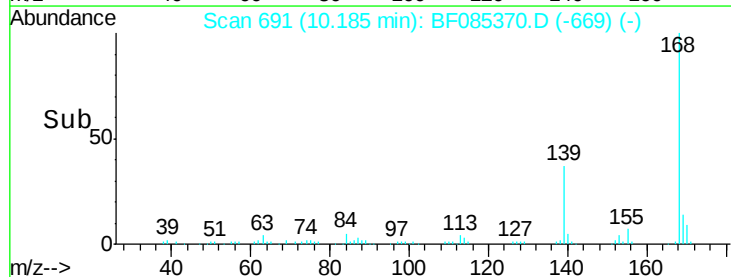
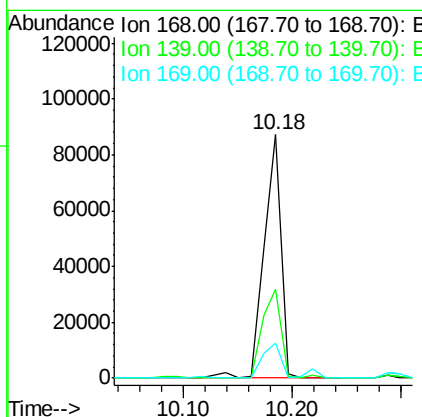
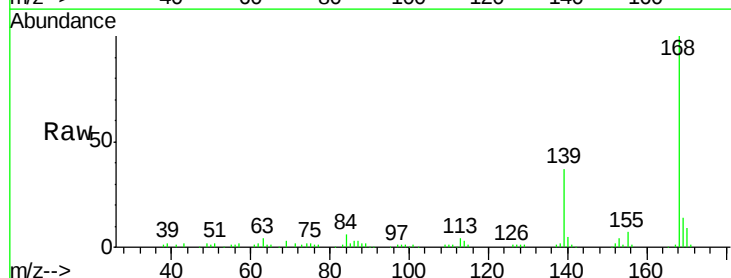
RT: 10.18 min Scan# 691

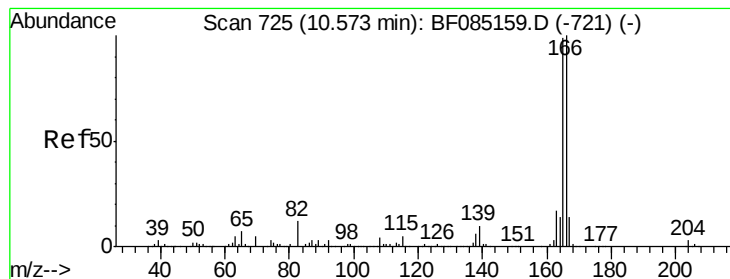
Delta R.T. -0.05 min

Lab File: BF085370.D

Acq: 11 Mar 2016 14:16

Tgt Ion:	168	Resp:	96207
Ion Ratio	Lower	Upper	
168	100		
139	36.7	33.6	50.4
169	14.4	11.2	16.8





#57

Fluorene

Concen: 8.30 ng

RT: 10.53 min Scan# 721

Delta R.T. -0.05 min

Lab File: BF085370.D

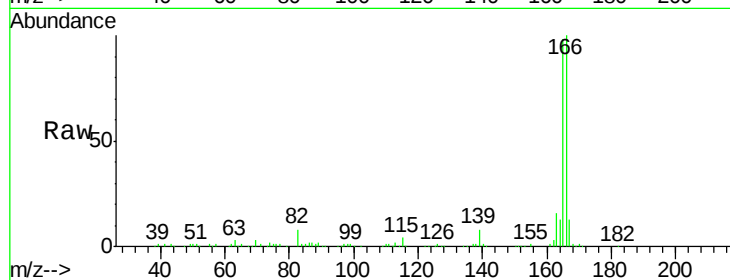
Acq: 11 Mar 2016 14:16

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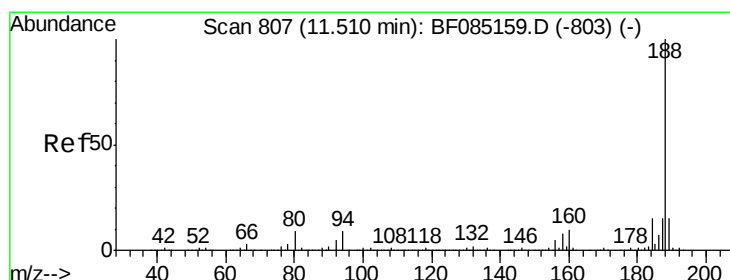
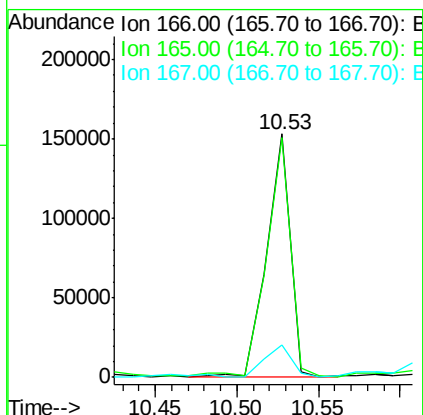
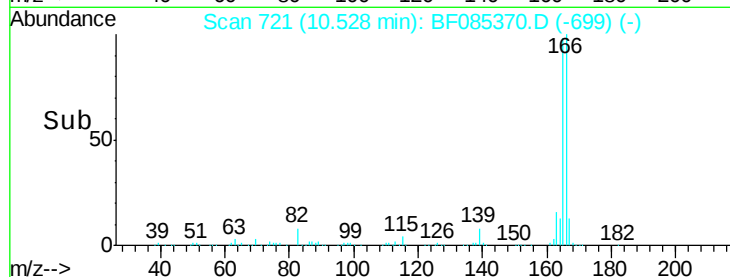
WASTE



Tgt Ion:	166	Resp:	152053
Ion Ratio	Lower	Upper	
166	100		
165	98.3	79.4	119.0
167	13.2	11.0	16.6

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#63

Phenanthrene-d10

Concen: 20.00 ng

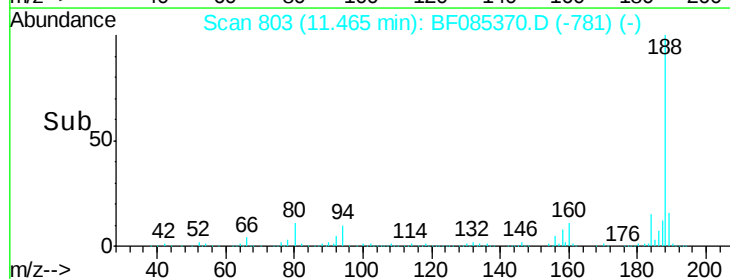
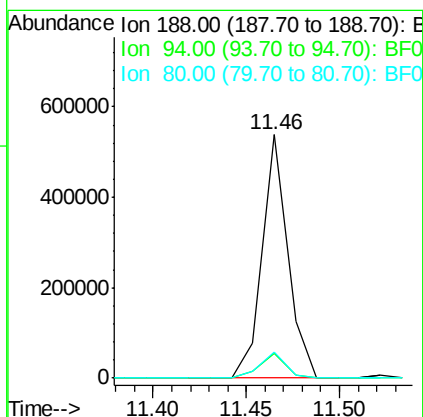
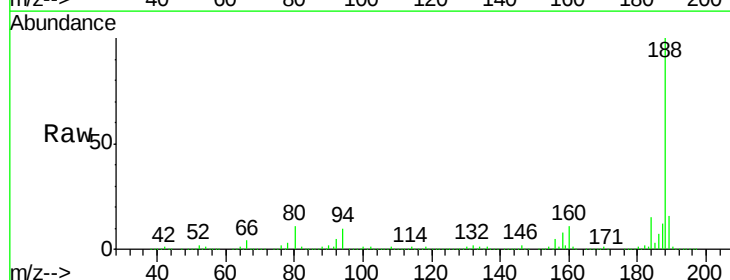
RT: 11.46 min Scan# 803

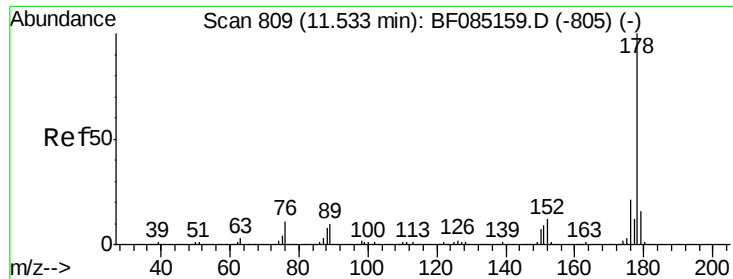
Delta R.T. -0.05 min

Lab File: BF085370.D

Acq: 11 Mar 2016 14:16

Tgt Ion:	188	Resp:	511236
Ion Ratio	Lower	Upper	
188	100		
94	10.4	7.0	10.6
80	10.9	7.4	11.0





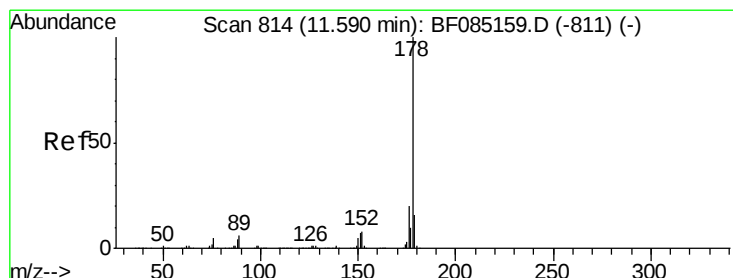
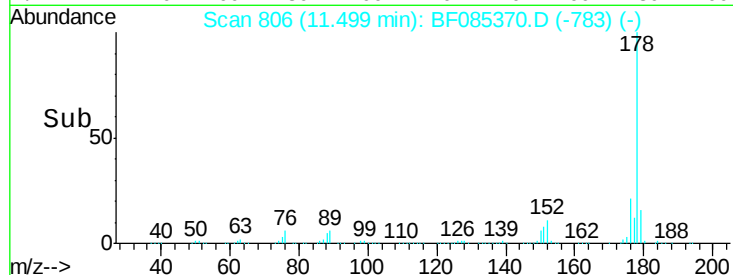
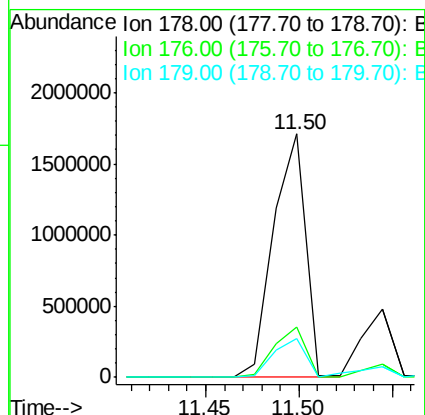
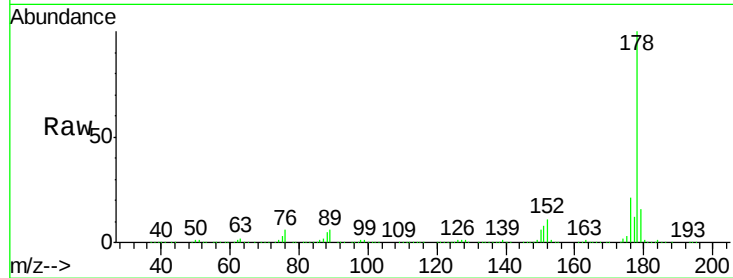
#70
Phenanthrene
Concen: 77.32 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.03 min
Lab File: BF085370.D
Acq: 11 Mar 2016 14:16

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion:178 Resp: 2071602
Ion Ratio Lower Upper
178 100
176 20.9 16.8 25.2
179 16.1 13.1 19.7

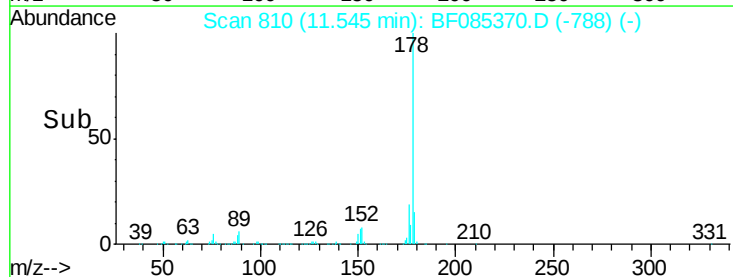
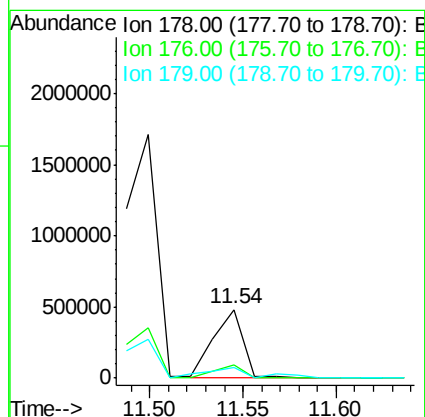
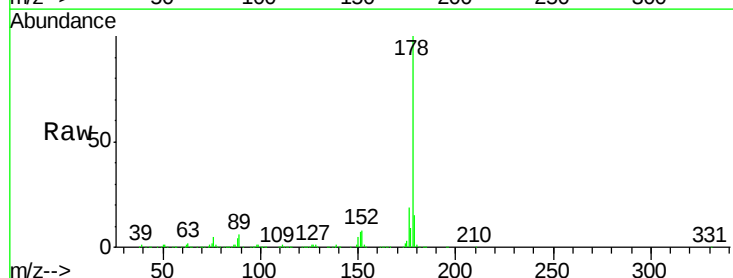
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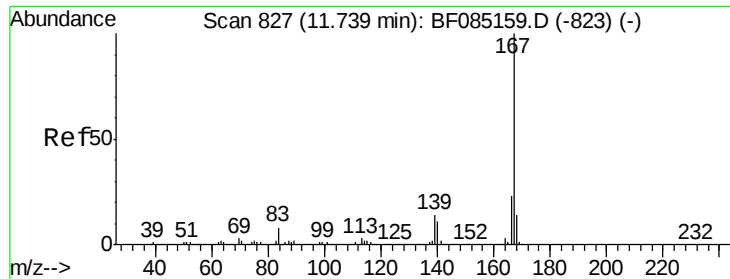
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#71
Anthracene
Concen: 18.62 ng
RT: 11.54 min Scan# 810
Delta R.T. -0.05 min
Lab File: BF085370.D
Acq: 11 Mar 2016 14:16

Tgt Ion:178 Resp: 529491
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.3 12.5 18.7





#72

Carbazole

Concen: 5.23 ng

RT: 11.69 min Scan# 823

Delta R.T. -0.05 min

Lab File: BF085370.D

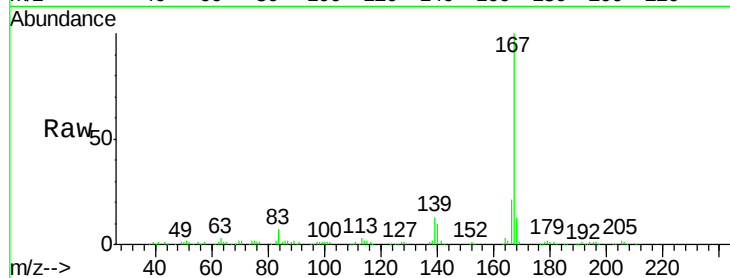
Acq: 11 Mar 2016 14:16

Instrument :

BNA_F

ClientSampleId :

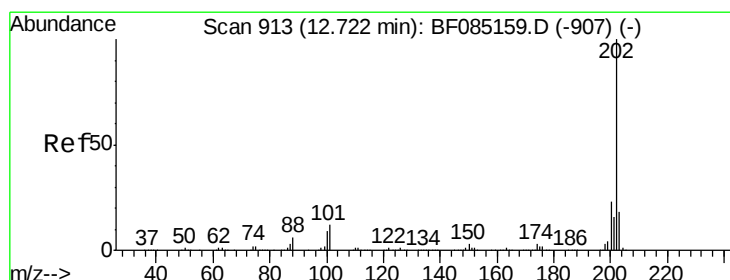
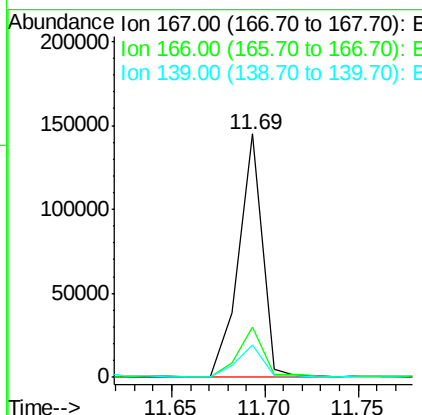
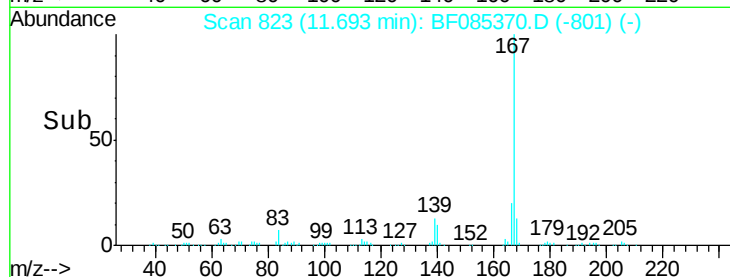
WASTE



Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.7	18.2	27.2
139	13.4	11.4	17.0

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#74

Fluoranthene

Concen: 84.89 ng

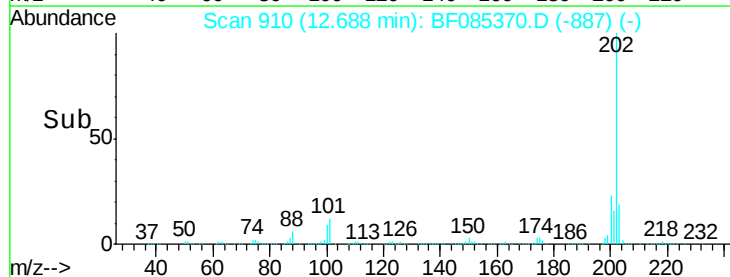
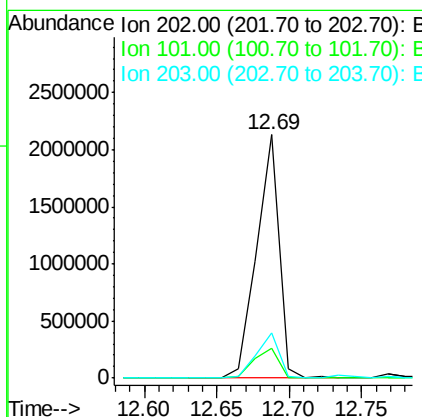
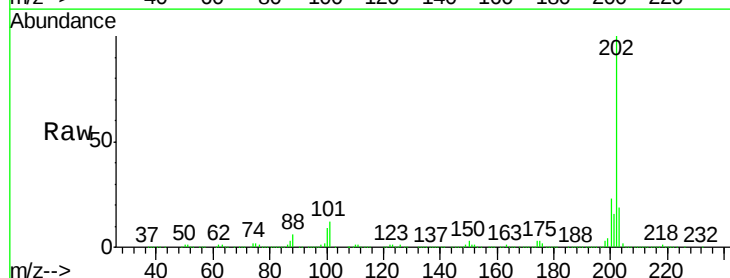
RT: 12.69 min Scan# 910

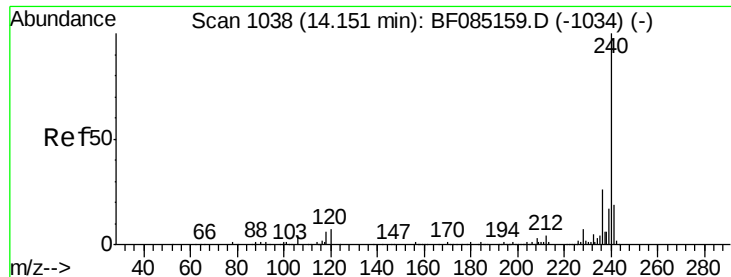
Delta R.T. -0.03 min

Lab File: BF085370.D

Acq: 11 Mar 2016 14:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.8
203	18.7	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.11 min Scan# 1034

Delta R.T. -0.05 min

Lab File: BF085370.D

Acq: 11 Mar 2016 14:16

Instrument :

BNA_F

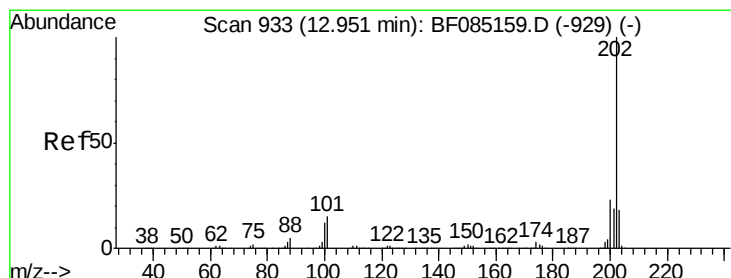
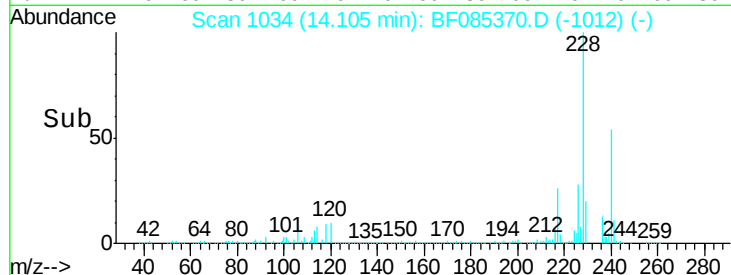
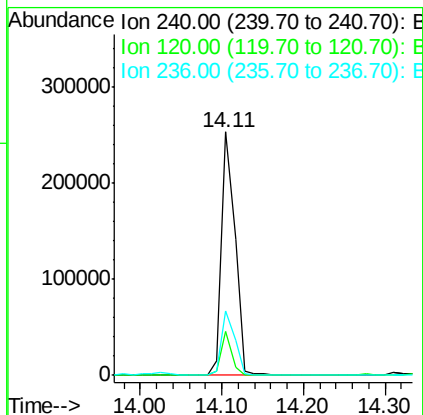
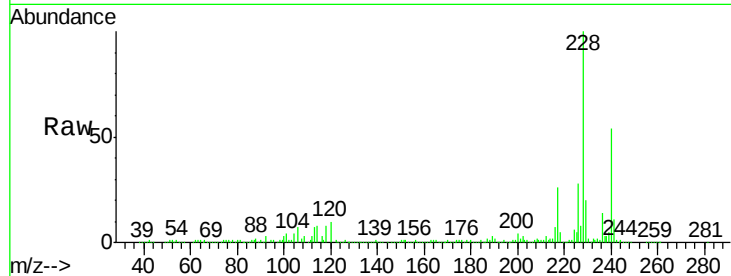
ClientSampleId :

WASTE

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	289720		
120	18.1	5.3	7.9#	
236	26.5	20.7	31.1	

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#77

Pyrene

Concen: 88.46 ng

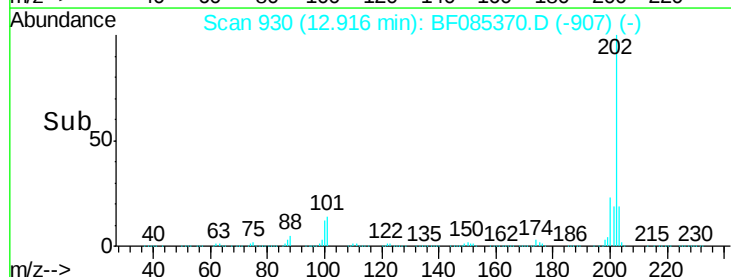
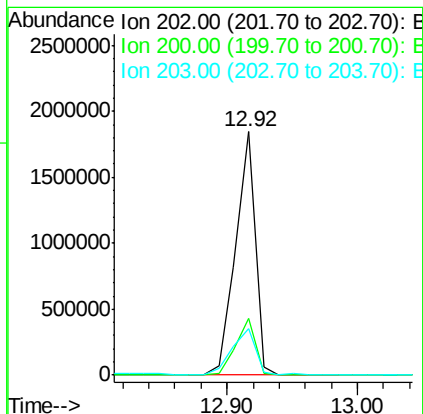
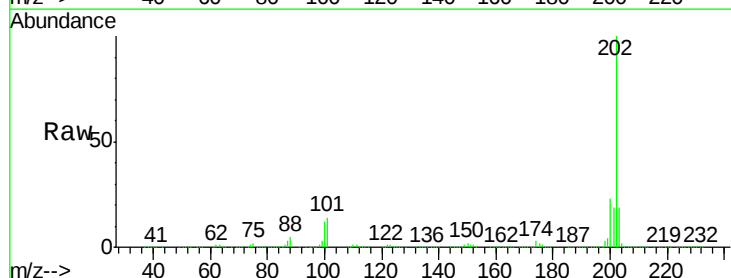
RT: 12.92 min Scan# 930

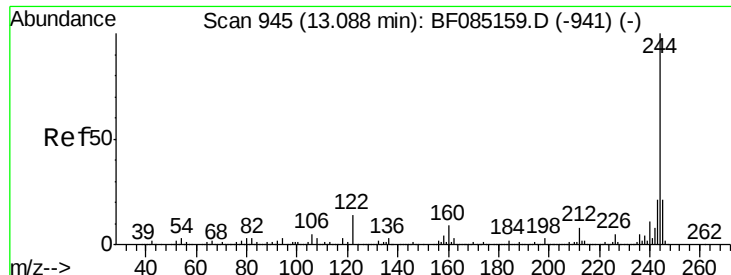
Delta R.T. -0.03 min

Lab File: BF085370.D

Acq: 11 Mar 2016 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1928940		
200	23.2	18.2	27.4	
203	18.9	14.7	22.1	





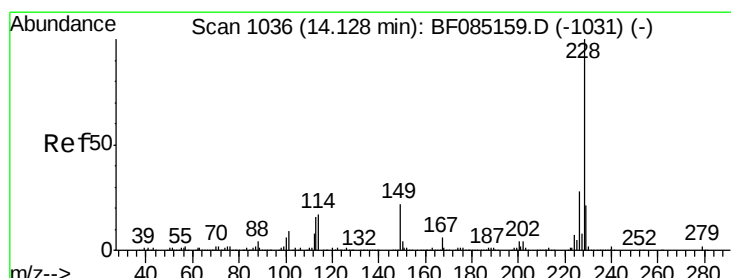
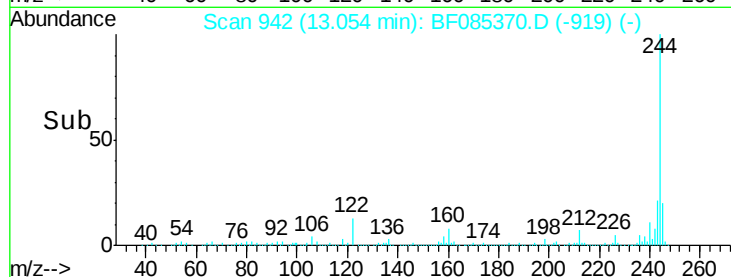
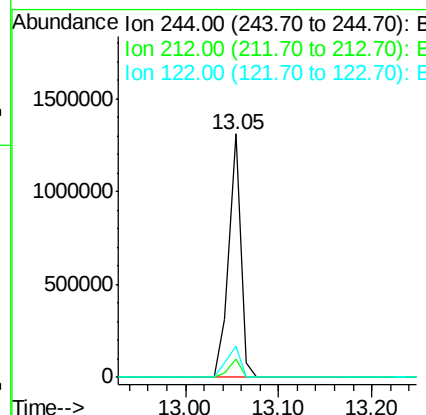
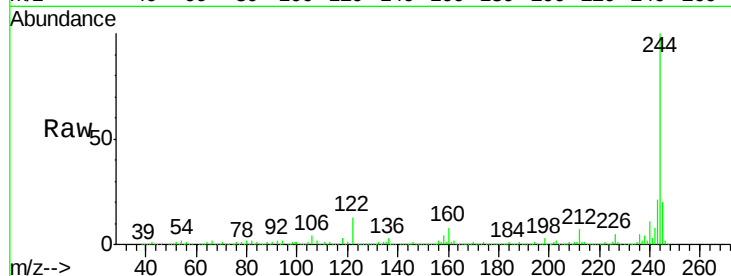
#78
 Terphenyl-d14
 Concen: 94.38 ng
 RT: 13.05 min Scan# 942
 Delta R.T. -0.03 min
 Lab File: BF085370.D
 Acq: 11 Mar 2016 14:16

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Tgt Ion:244 Resp: 1177835
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.4 9.6
 122 12.8 11.4 17.2

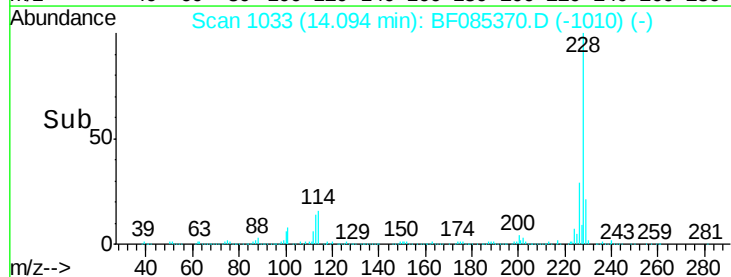
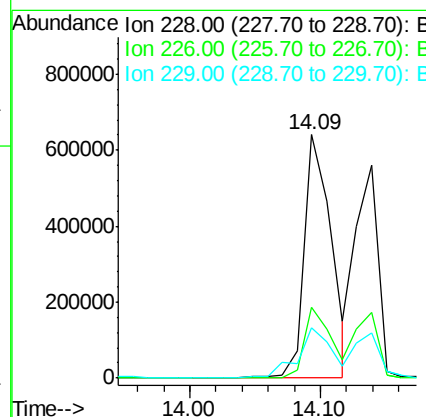
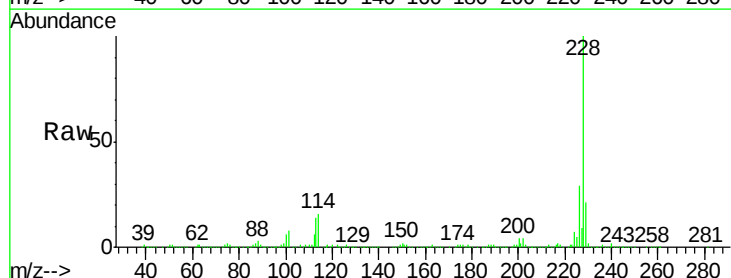
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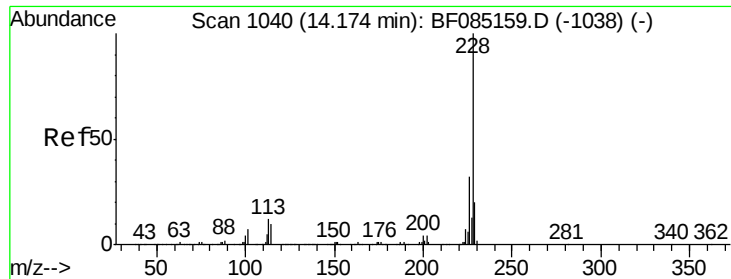
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#80
 Benzo(a)anthracene
 Concen: 53.06 ng
 RT: 14.09 min Scan# 1033
 Delta R.T. -0.03 min
 Lab File: BF085370.D
 Acq: 11 Mar 2016 14:16

Tgt Ion:228 Resp: 920200
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.8 34.2
 229 20.8 16.6 24.8





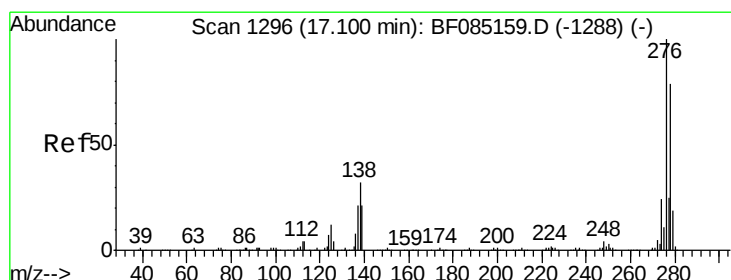
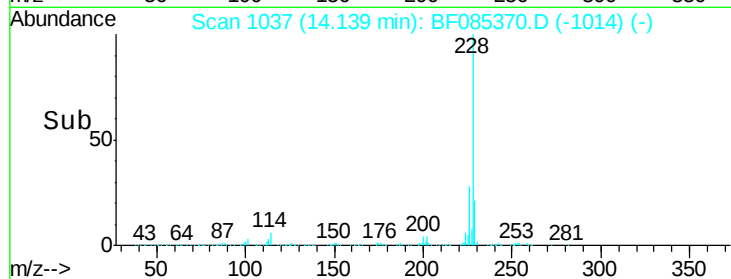
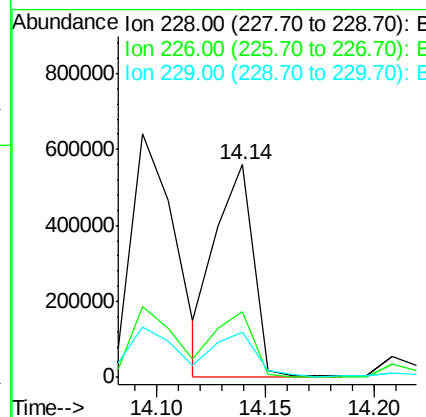
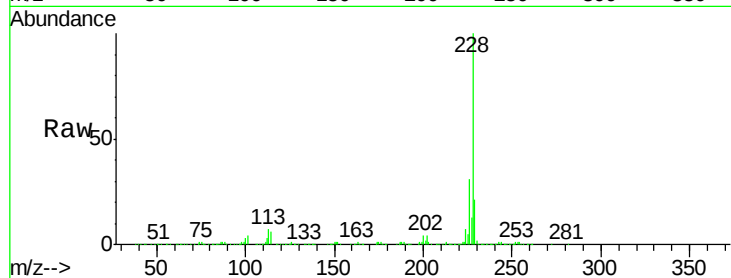
#82
Chrysene
Concen: 41.96 ng
RT: 14.14 min Scan# 1037
Delta R.T. -0.03 min
Lab File: BF085370.D
Acq: 11 Mar 2016 14:16

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.2	37.8
229	21.4	16.0	24.0

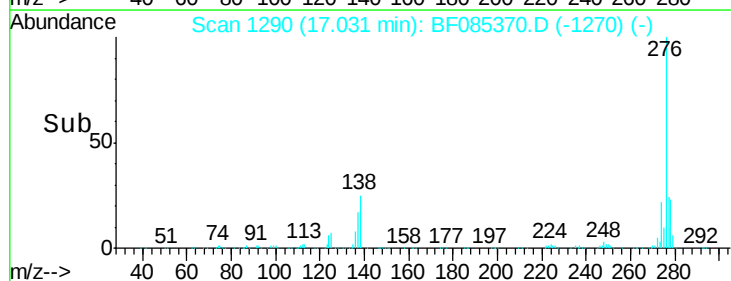
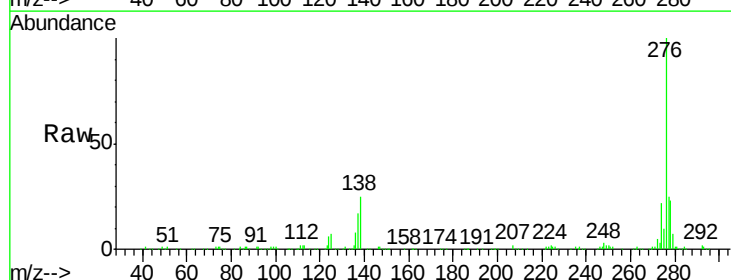
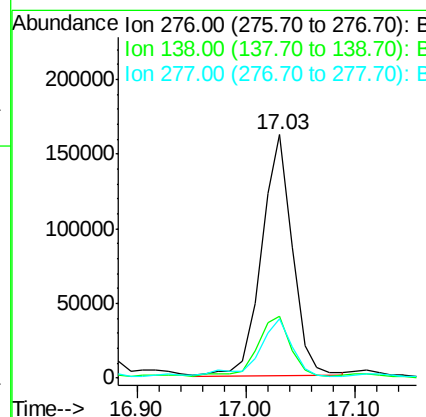
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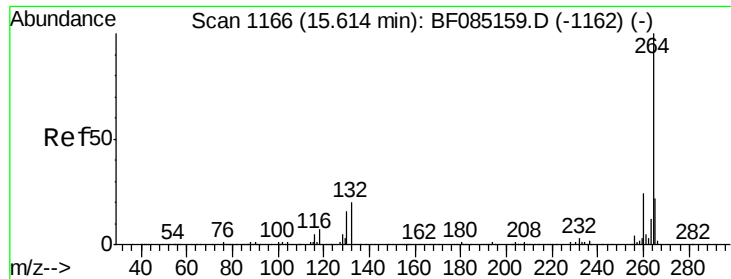
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3/14/2016 10:44:54 AM



#85
Indeno(1,2,3-cd)pyrene
Concen: 25.57 ng
RT: 17.03 min Scan# 1290
Delta R.T. -0.07 min
Lab File: BF085370.D
Acq: 11 Mar 2016 14:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.7	26.4	39.6
277	25.1	20.2	30.2





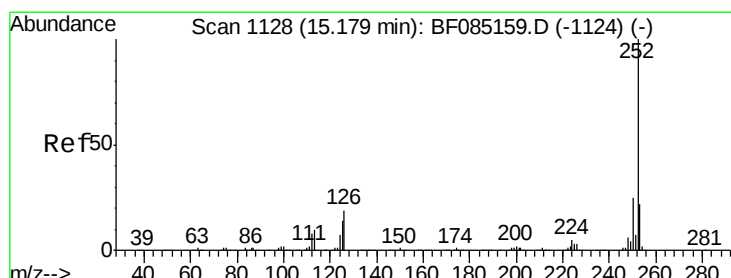
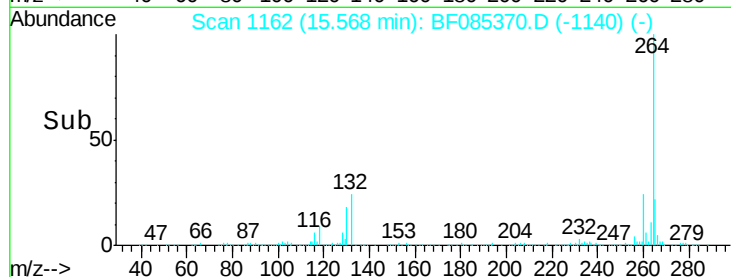
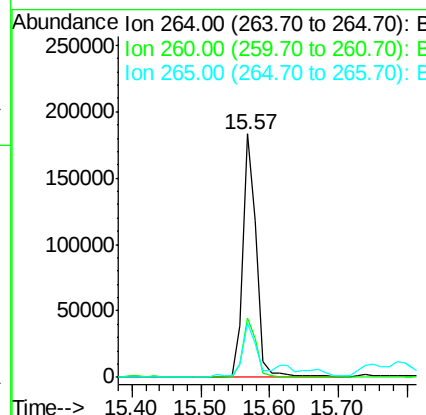
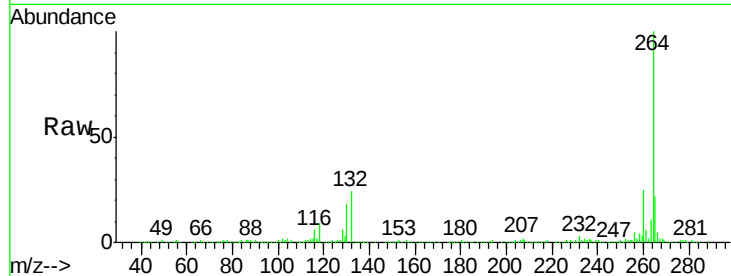
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 1162
Delta R.T. -0.05 min
Lab File: BF085370.D
Acq: 11 Mar 2016 14:16

Instrument :
BNA_F
ClientSampled :
WASTE

Tgt	Ion	Ratio	Resp	Lower	Upper
264	100		254529		
260	24.5	19.2	28.8		
265	22.2	17.3	25.9		

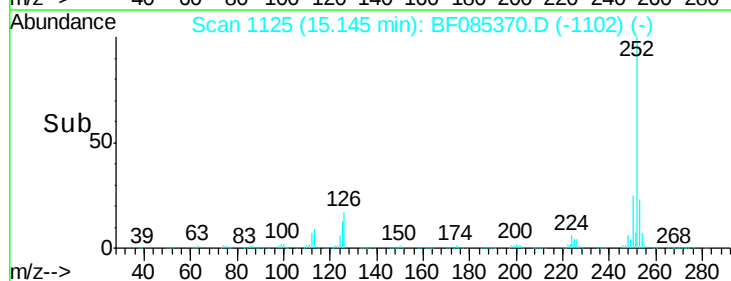
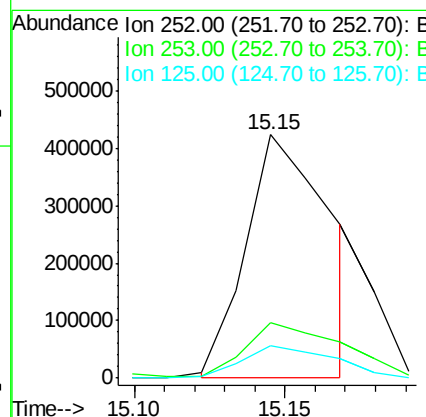
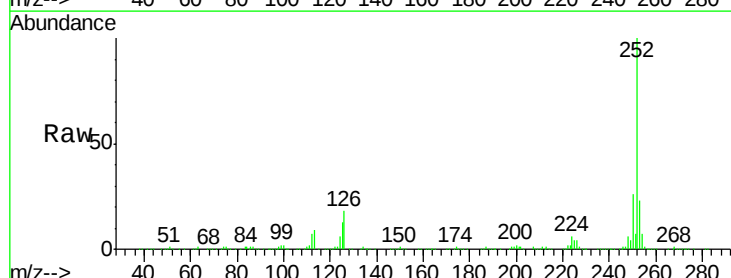
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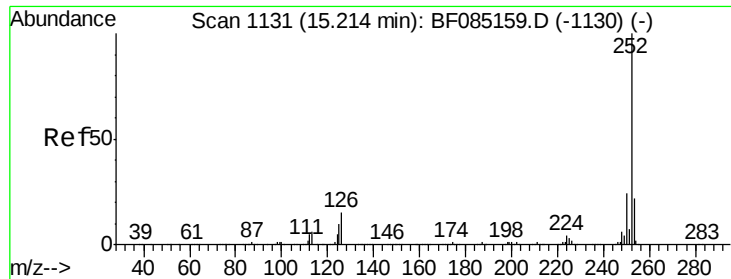
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#87
Benzo(b)fluoranthene
Concen: 48.20 ng m
RT: 15.15 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BF085370.D
Acq: 11 Mar 2016 14:16

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		817712		
253	22.8	17.8	26.6		
125	13.2	11.3	16.9		





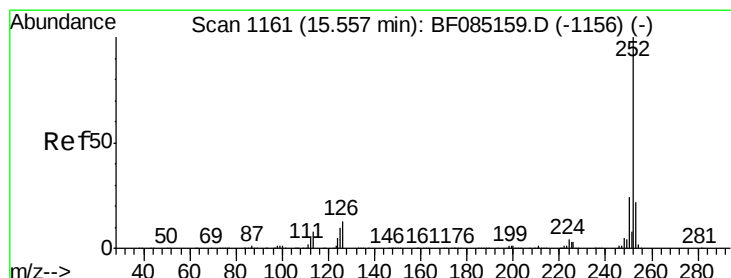
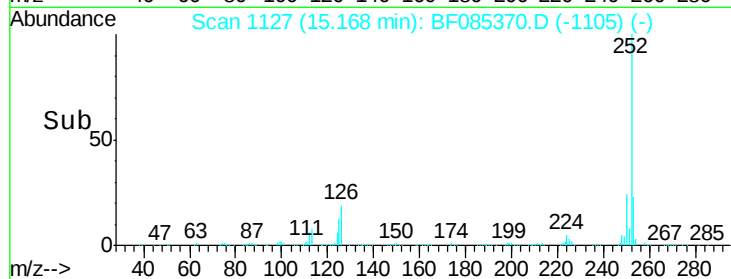
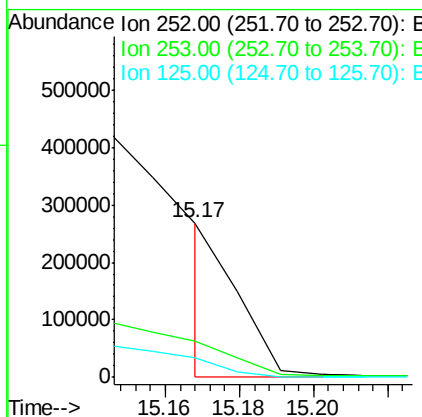
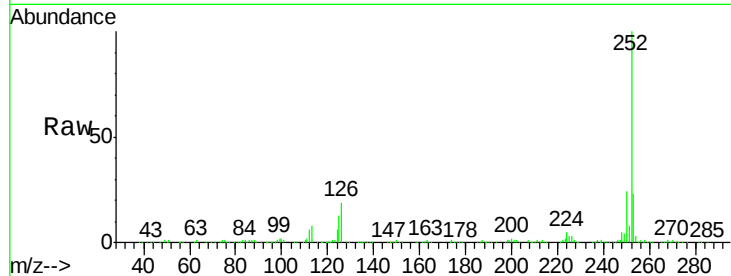
#88
Benzo(k)fluoranthene
Concen: 8.35 ng m
RT: 15.17 min Scan# 1127
Delta R.T. -0.05 min
Lab File: BF085370.D
Acq: 11 Mar 2016 14:16

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	13.1	10.4	15.6

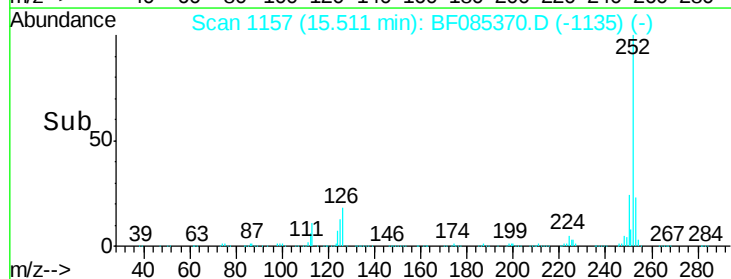
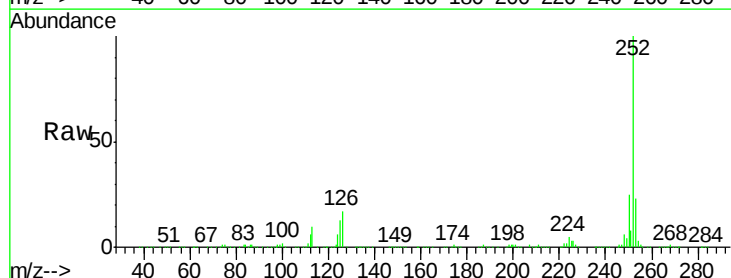
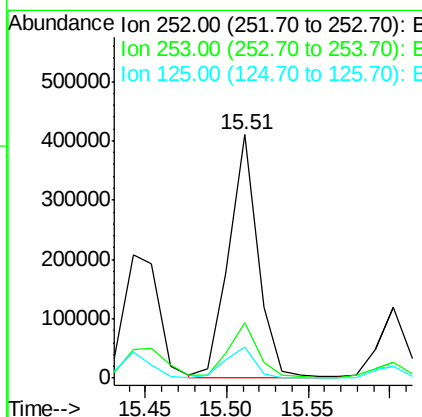
Manual Integrations
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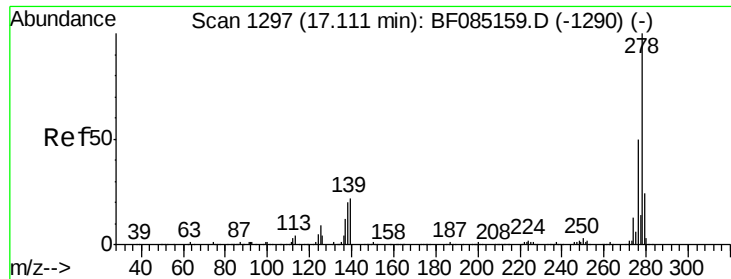
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#89
Benzo(a)pyrene
Concen: 35.76 ng
RT: 15.51 min Scan# 1157
Delta R.T. -0.05 min
Lab File: BF085370.D
Acq: 11 Mar 2016 14:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	12.7	8.2	12.4#





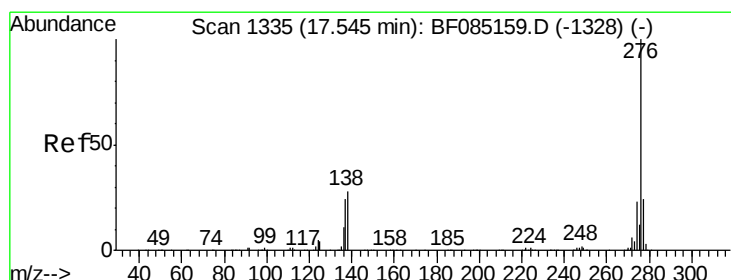
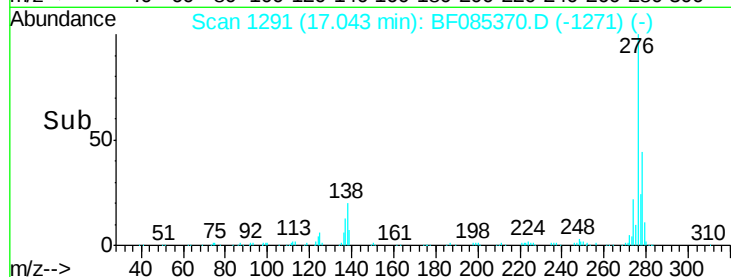
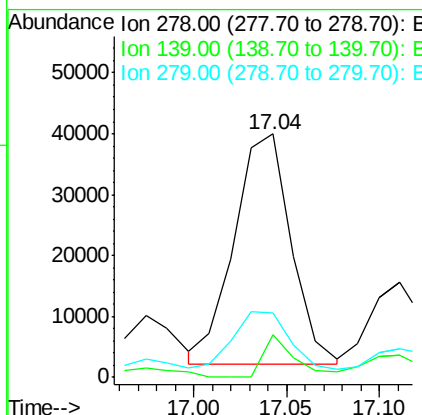
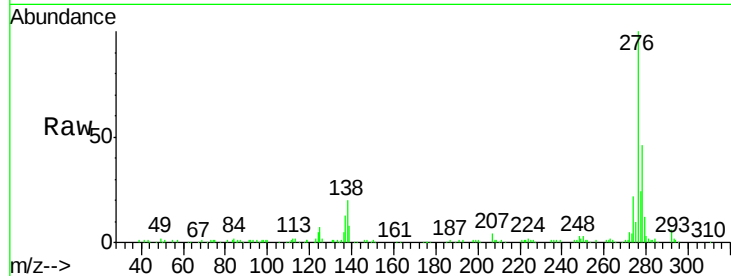
#90
Dibenzo(a,h)anthracene
Concen: 6.70 ng m
RT: 17.04 min Scan# 1291
Delta R.T. -0.07 min
Lab File: BF085370.D
Acq: 11 Mar 2016 14:16

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.6	17.3	25.9
279	26.4	19.2	28.8

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 23.72 ng
RT: 17.47 min Scan# 1328
Delta R.T. -0.08 min
Lab File: BF085370.D
Acq: 11 Mar 2016 14:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.0	28.4
138	28.3	22.5	33.7

