

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
 Data File : BF085443.D
 Acq On : 14 Mar 2016 21:53
 Operator : UM/SJ
 Sample : H1722-10
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-22(0.5-2.0)

Manual Integrations
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Quant Time: Mar 15 03:58:08 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	6.93	152	175993	20.00	ng	-0.06
21) Naphthalene-d8	8.21	136	727463	20.00	ng	-0.06
38) Acenaphthene-d10	9.97	164	334040	20.00	ng	-0.06
63) Phenanthrene-d10	11.45	188	581747	20.00	ng	-0.06
75) Chrysene-d12	14.09	240	313772	20.00	ng	-0.06
86) Perylene-d12	15.55	264	318449	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1150341	109.64	ng	-0.05
7) Phenol-d6	6.56	99	1758755	127.94	ng	-0.05
23) Nitrobenzene-d5	7.49	82	959223	70.56	ng	-0.06
41) 2,4,6-Tribromophenol	10.76	330	346848	121.35	ng	-0.06
44) 2-Fluorobiphenyl	9.28	172	1500568	68.32	ng	-0.07
78) Terphenyl-d14	13.04	244	1101118	81.47	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.68	163	371095	14.47	ng	98
57) Fluorene	10.50	166	57737	2.73	ng	98
70) Phenanthrene	11.48	178	739371	24.25	ng	97
71) Anthracene	11.52	178	247383	7.64	ng	98
74) Fluoranthene	12.66	202	1093780	35.75	ng	98
77) Pyrene	12.89	202	988860	41.87	ng	99
80) Benzo(a)anthracene	14.08	228	535400	28.50	ng	98
82) Chrysene	14.12	228	249735m	14.39	ng	
87) Benzo(b)fluoranthene	15.12	252	386675m	18.22	ng	
88) Benzo(k)fluoranthene	15.13	252	165799m	9.68	ng	
89) Benzo(a)pyrene	15.49	252	312088	17.74	ng	98
90) Dibenzo(a,h)anthracene	17.00	278	50236	3.35	ng	94
91) Benzo(g,h,i)perylene	17.43	276	163117	10.80	ng	95

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

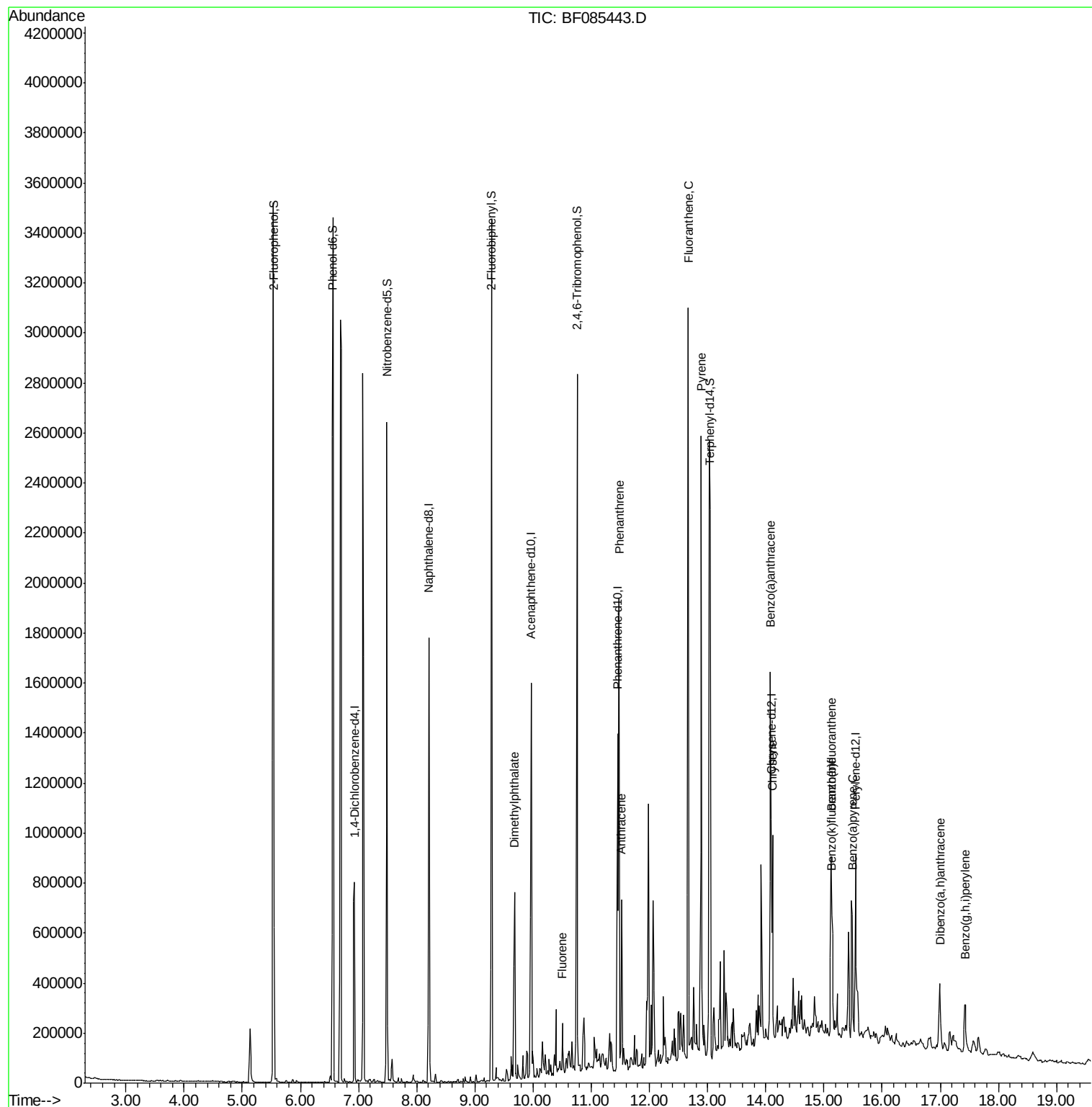
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
Data File : BF085443.D
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ALS Vial : 25 Sample Multiplier: 1

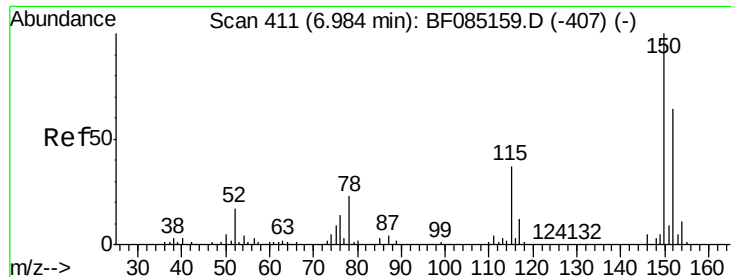
Instrument :
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W170TH-SB-22(0.5-2.0)

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
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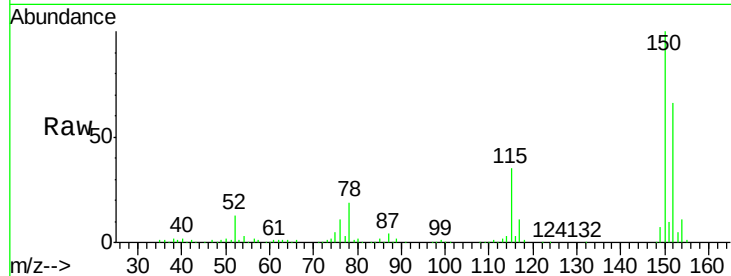




#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.93 min Scan# 406
 Delta R.T. -0.06 min
 Lab File: BF085443.D
 Acq: 14 Mar 2016 21:53

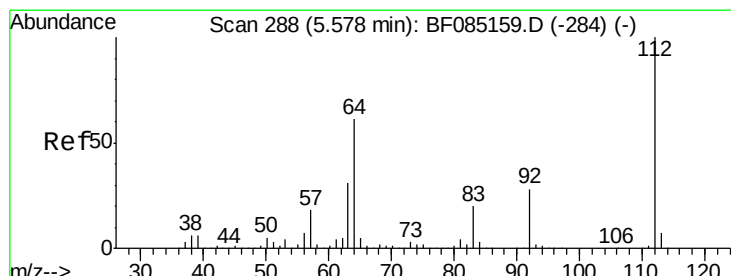
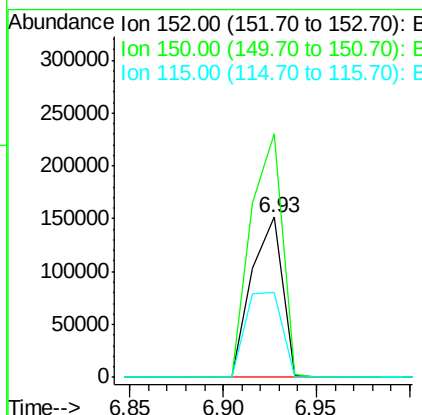
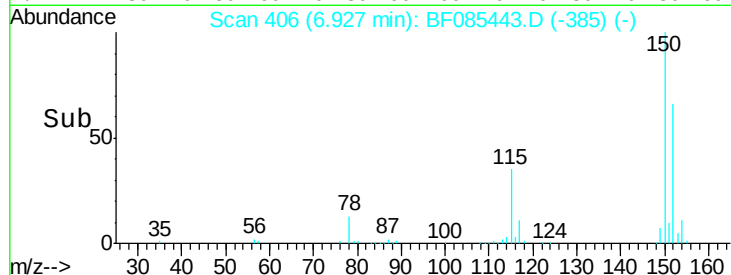
Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-22(0.5-2.0)



Tgt Ion:	152	Resp:	175993
Ion Ratio	Lower	Upper	
152	100		
150	152.2	124.6	186.8
115	53.4	46.6	70.0

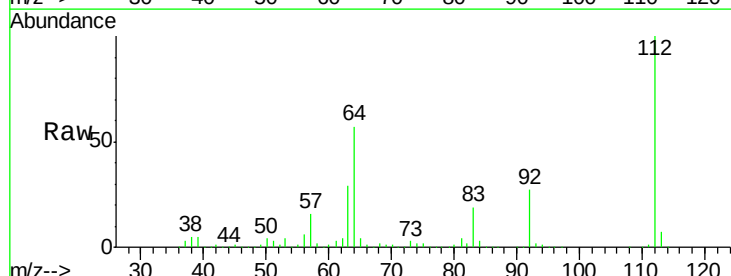
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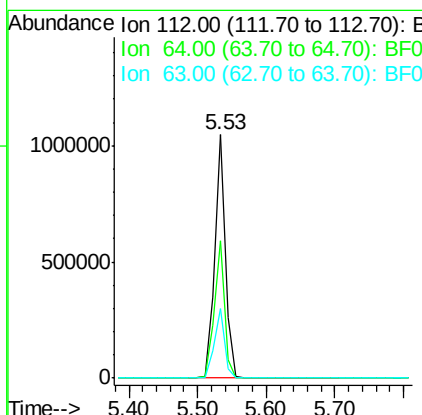
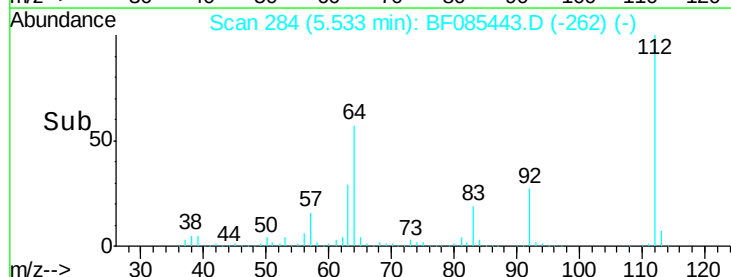


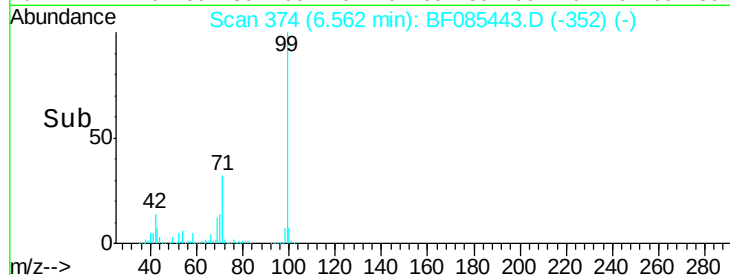
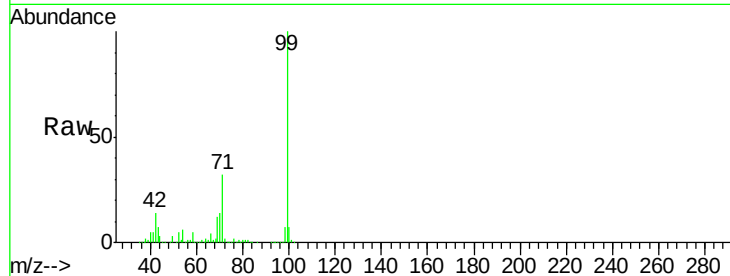
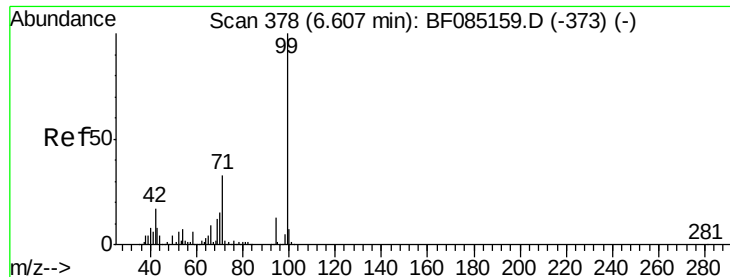
#5

2-Fluorophenol
 Concen: 109.64 ng
 RT: 5.53 min Scan# 284
 Delta R.T. -0.05 min
 Lab File: BF085443.D
 Acq: 14 Mar 2016 21:53



Tgt Ion:	112	Resp:	1150341
Ion Ratio	Lower	Upper	
112	100		
64	56.7	49.0	73.4
63	28.6	24.8	37.2





#7

Phenol-d6

Concen: 127.94 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085443.D

Acq: 14 Mar 2016 21:53

Tgt Ion: 99 Resp: 1758755

Ion Ratio Lower Upper

99 100

42 13.8 13.6 20.4

71 31.6 26.7 40.1

Instrument :

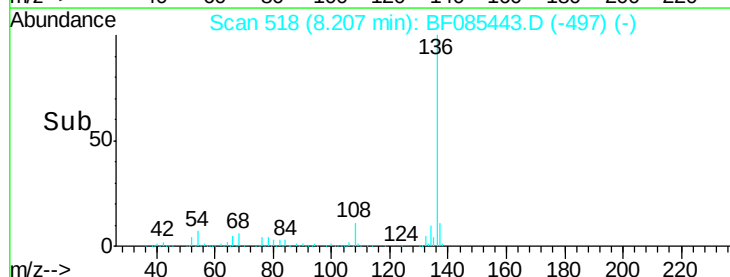
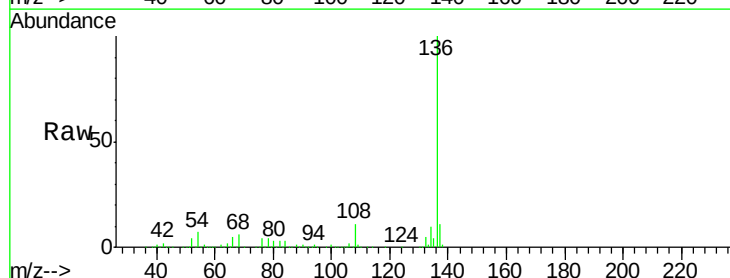
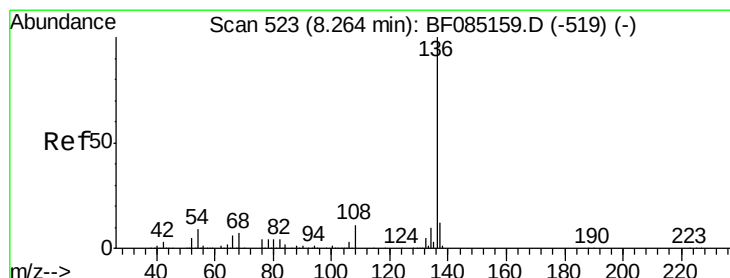
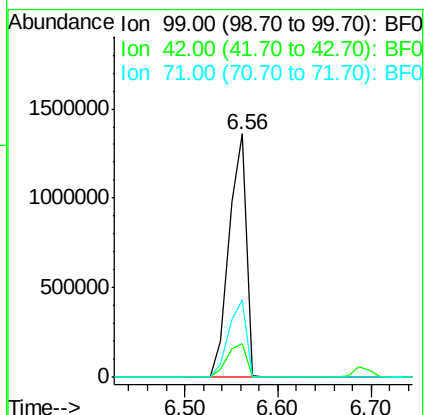
BNA_F

ClientSampleId :

W170TH-SB-22(0.5-2.0)

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.21 min Scan# 518

Delta R.T. -0.06 min

Lab File: BF085443.D

Acq: 14 Mar 2016 21:53

Tgt Ion: 136 Resp: 727463

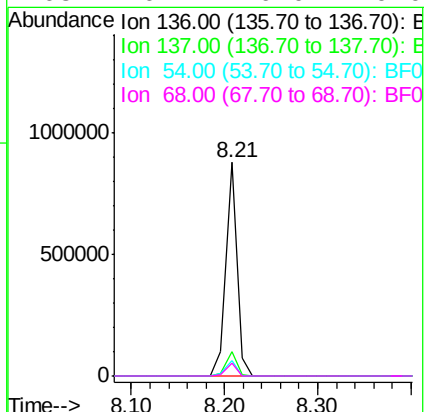
Ion Ratio Lower Upper

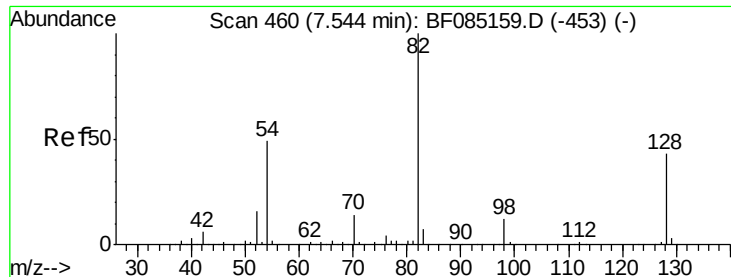
136 100

137 11.3 9.3 13.9

54 7.3 7.4 11.2#

68 6.2 6.0 9.0





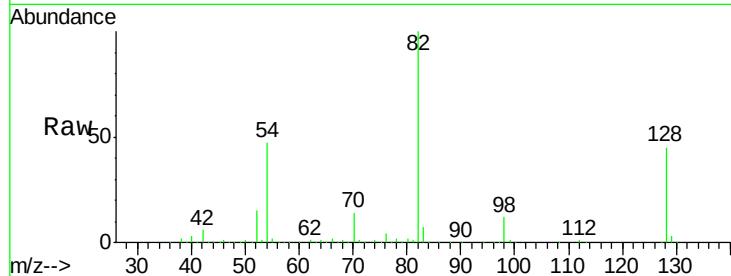
#23
 Nitrobenzene-d5
 Concen: 70.56 ng
 RT: 7.49 min Scan# 455
 Delta R.T. -0.06 min
 Lab File: BF085443.D
 Acq: 14 Mar 2016 21:53

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-22(0.5-2.0)

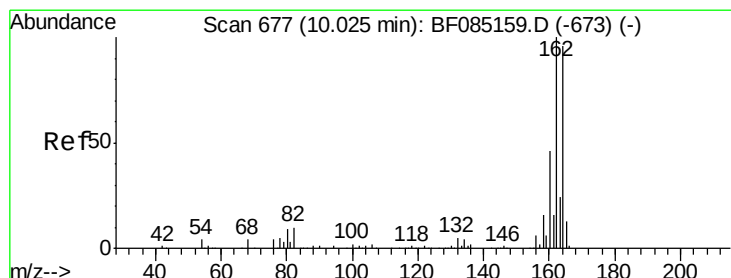
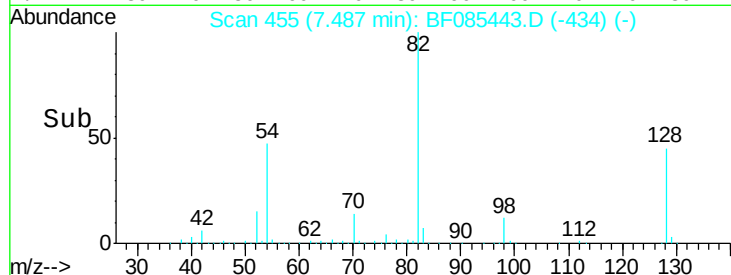
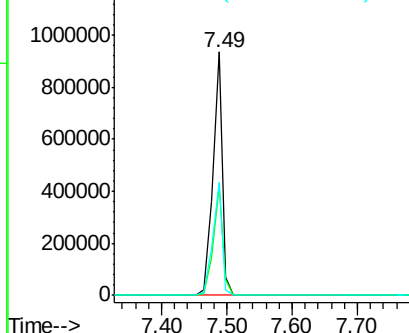
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	959223		
128	45.0	34.5	51.7	
54	46.6	39.3	58.9	

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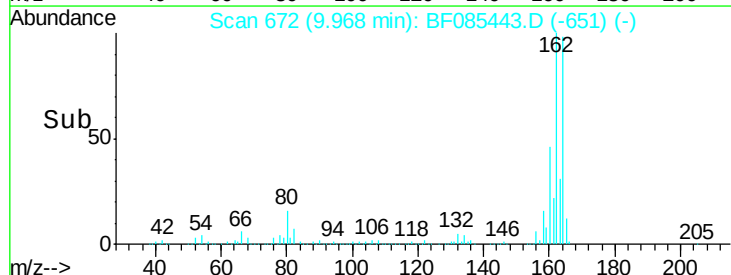
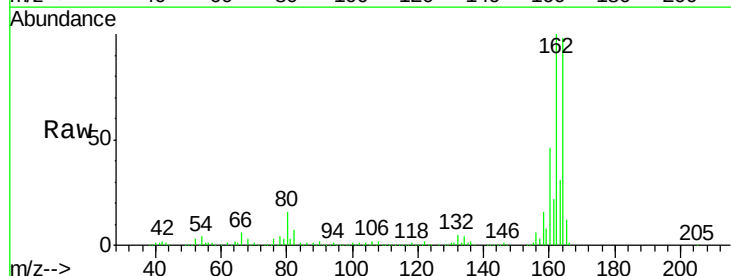
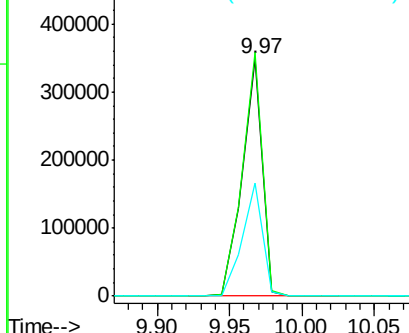
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 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

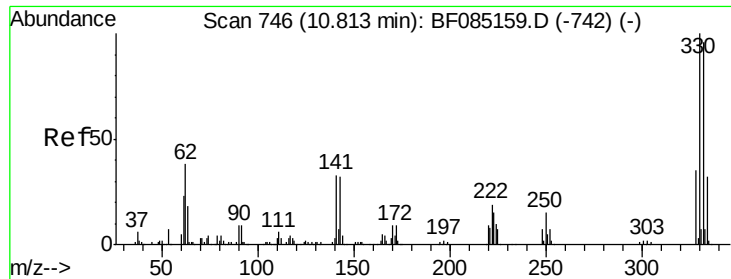


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.97 min Scan# 672
 Delta R.T. -0.06 min
 Lab File: BF085443.D
 Acq: 14 Mar 2016 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	334040		
162	102.4	83.3	124.9	
160	47.4	37.9	56.9	

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





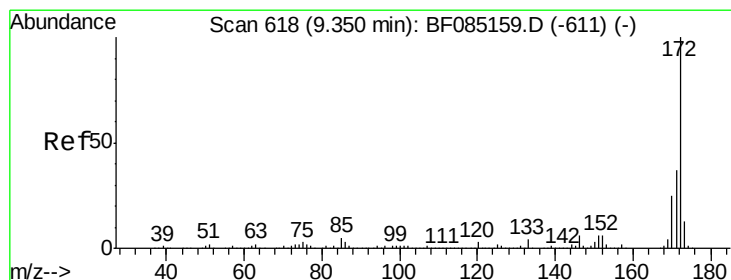
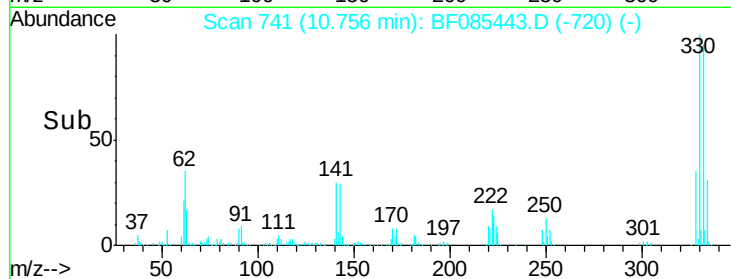
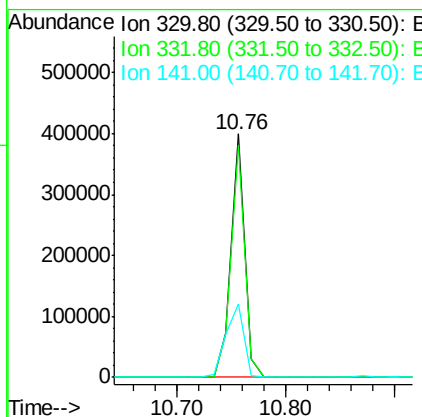
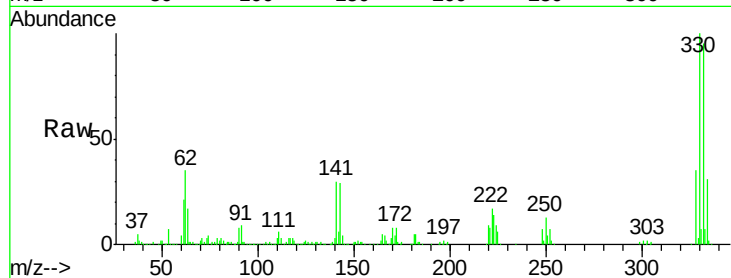
#41
 2,4,6-Tribromophenol
 Concen: 121.35 ng
 RT: 10.76 min Scan# 741
 Delta R.T. -0.06 min
 Lab File: BF085443.D
 Acq: 14 Mar 2016 21:53

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-22(0.5-2.0)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	346848		
332	95.8	77.1	115.7	
141	38.6	35.0	52.6	

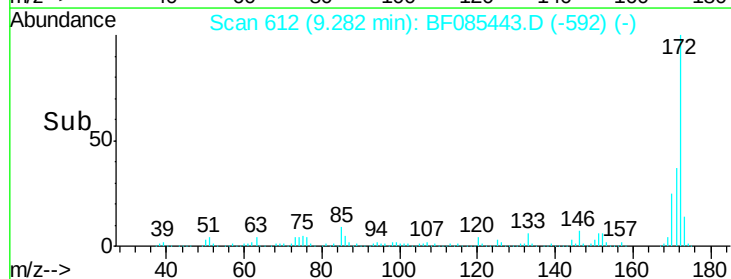
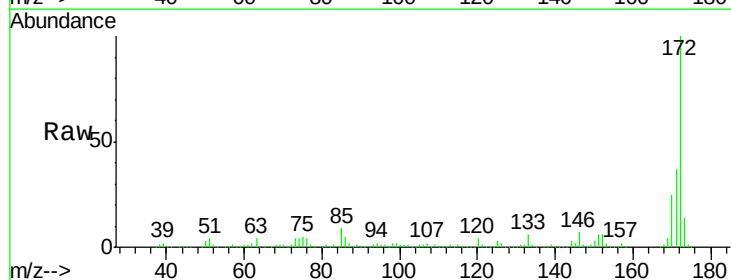
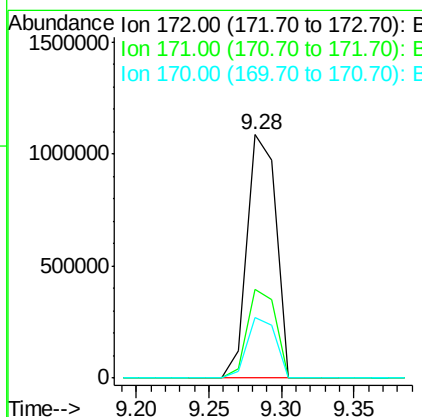
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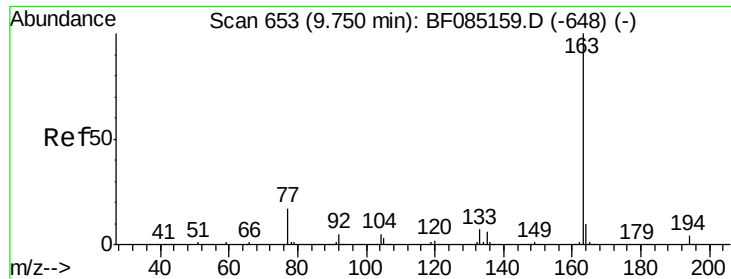
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#44
 2-Fluorobiphenyl
 Concen: 68.32 ng
 RT: 9.28 min Scan# 612
 Delta R.T. -0.07 min
 Lab File: BF085443.D
 Acq: 14 Mar 2016 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1500568		
171	36.6	29.3	43.9	
170	24.6	20.0	30.0	





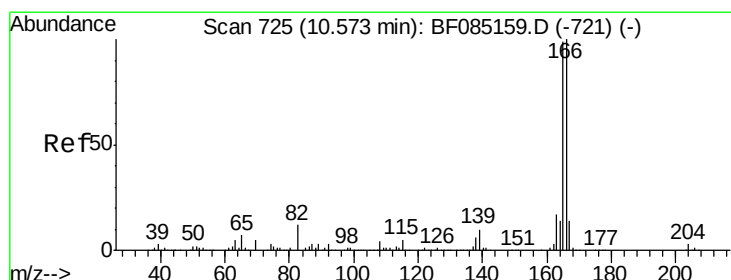
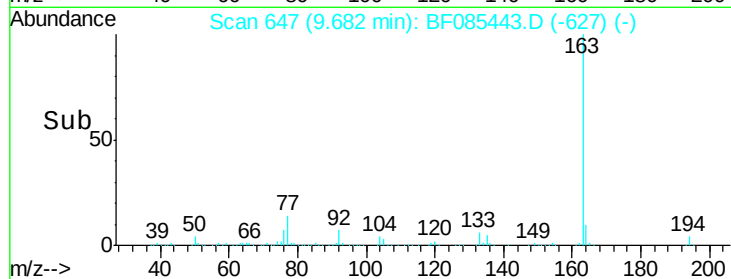
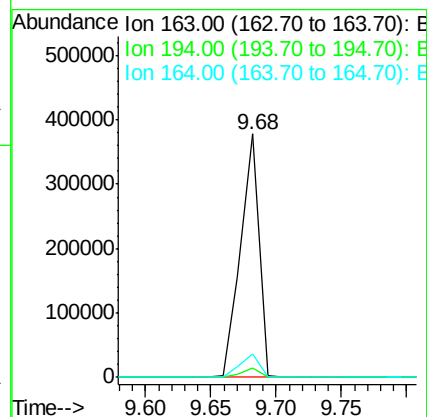
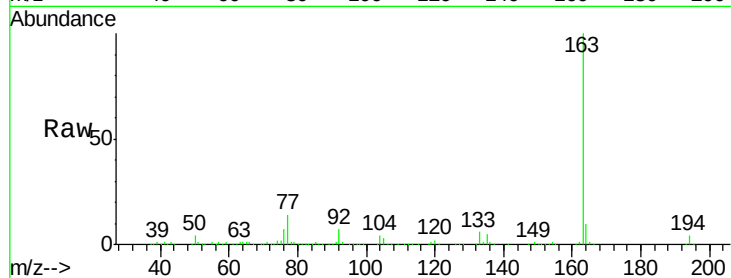
#49
Dimethylphthalate
Concen: 14.47 ng
RT: 9.68 min Scan# 647
Delta R.T. -0.07 min
Lab File: BF085443.D
Acq: 14 Mar 2016 21:53

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-22(0.5-2.0)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	371095		
194	3.8		3.1	4.7
164	9.5		8.2	12.4

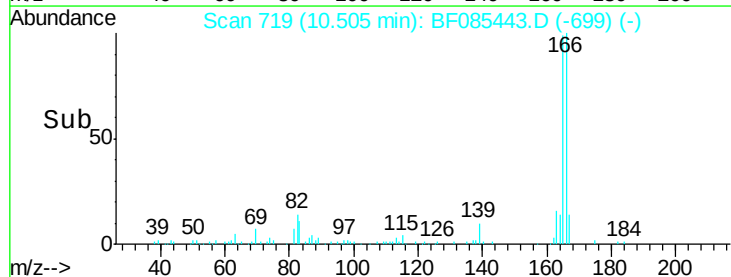
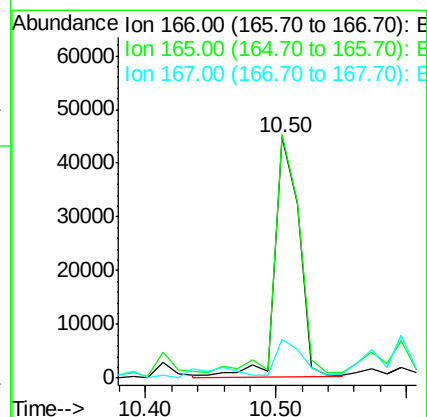
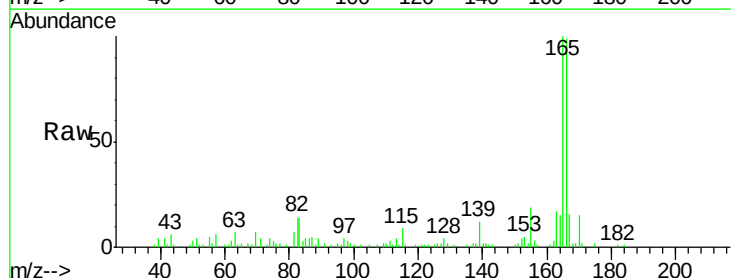
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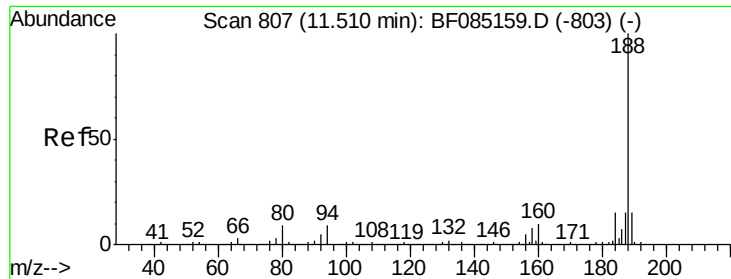
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#57
Fluorene
Concen: 2.73 ng
RT: 10.50 min Scan# 719
Delta R.T. -0.07 min
Lab File: BF085443.D
Acq: 14 Mar 2016 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	57737		
165	101.1		79.4	119.0
167	16.2		11.0	16.6





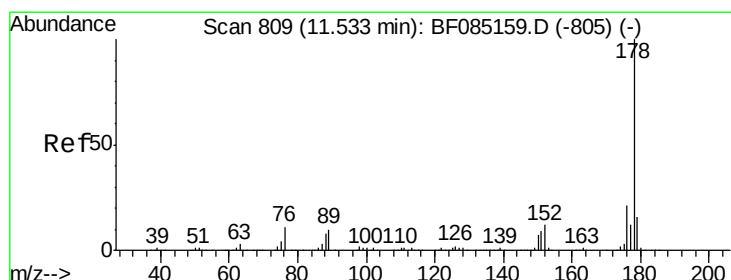
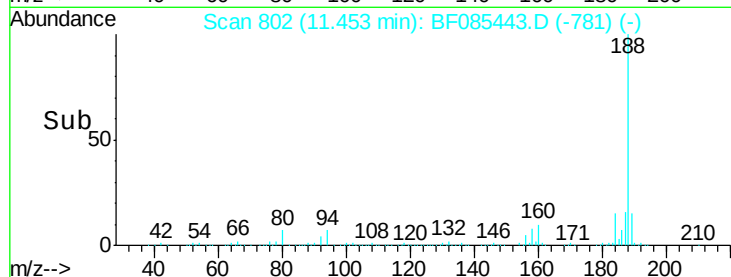
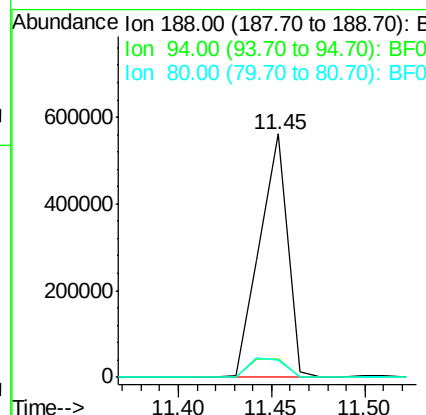
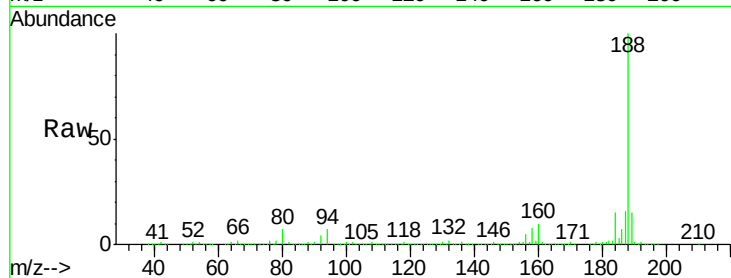
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 802
Delta R.T. -0.06 min
Lab File: BF085443.D
Acq: 14 Mar 2016 21:53

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-22(0.5-2.0)

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	7.3	7.0	10.6
80	7.1	7.4	11.0#

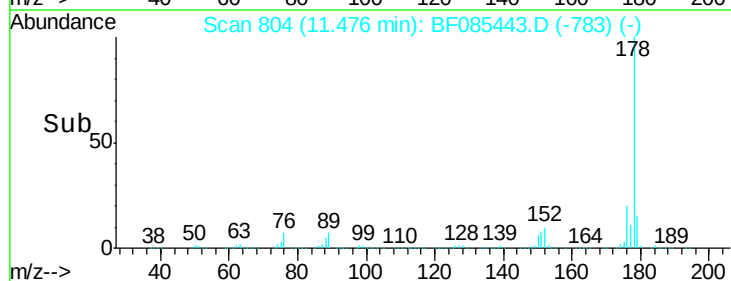
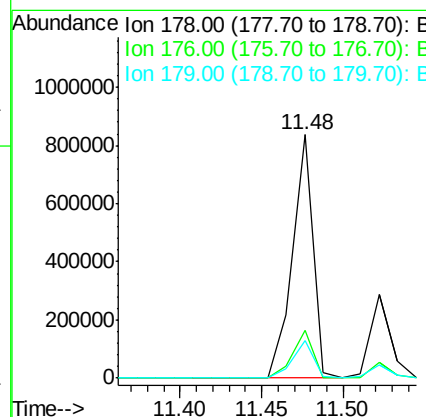
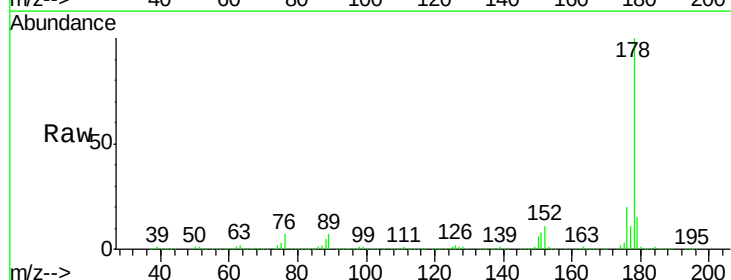
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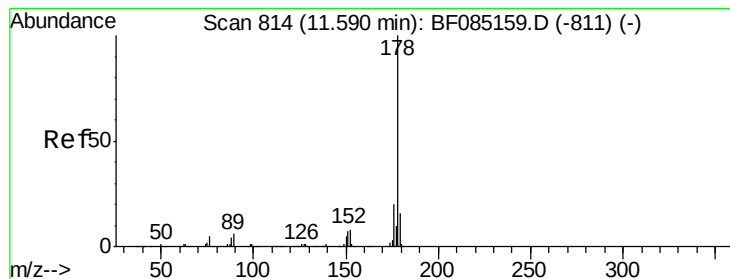
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#70
Phenanthrene
Concen: 24.25 ng
RT: 11.48 min Scan# 804
Delta R.T. -0.06 min
Lab File: BF085443.D
Acq: 14 Mar 2016 21:53

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.7	16.8	25.2
179	15.3	13.1	19.7





#71

Anthracene

Concen: 7.64 ng

RT: 11.52 min Scan# 808

Delta R.T. -0.07 min

Lab File: BF085443.D

Acq: 14 Mar 2016 21:53

Instrument :

BNA_F

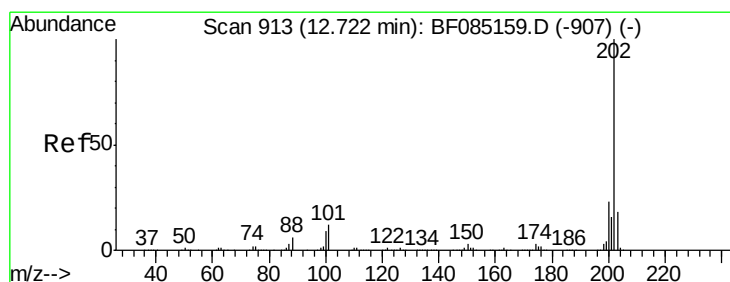
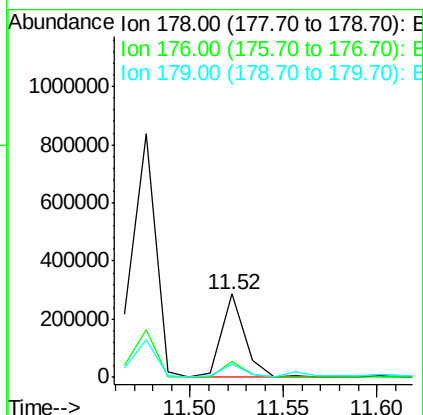
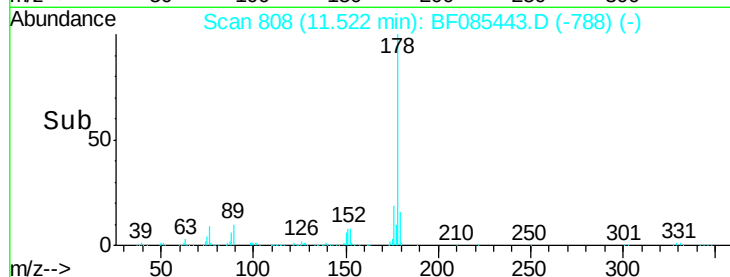
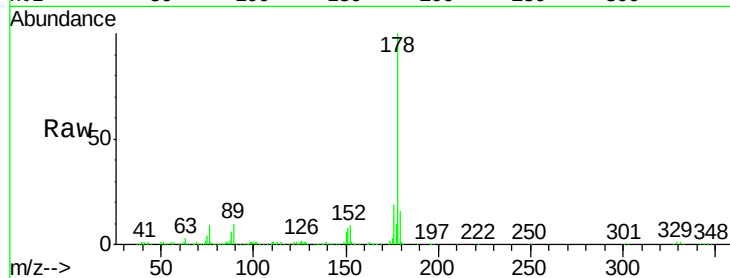
ClientSampleId :

W170TH-SB-22(0.5-2.0)

Tgt Ion:	178	Resp:	247383
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.9	23.9
179	15.9	12.5	18.7

Manual Integrations
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#74

Fluoranthene

Concen: 35.75 ng

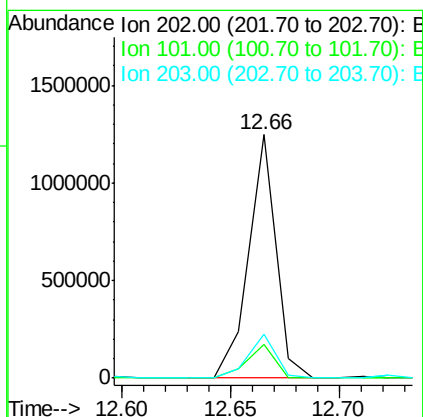
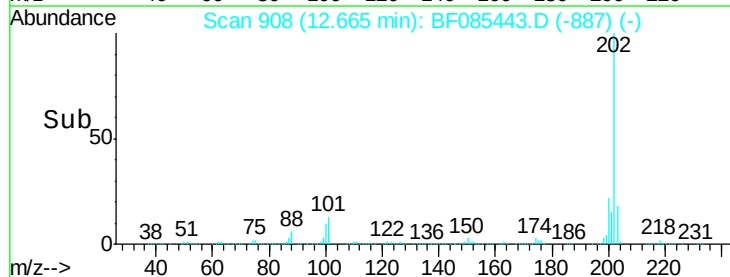
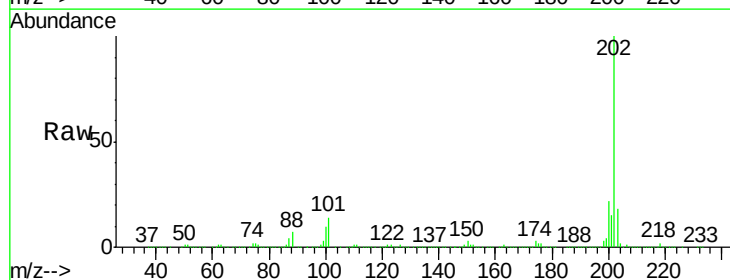
RT: 12.66 min Scan# 908

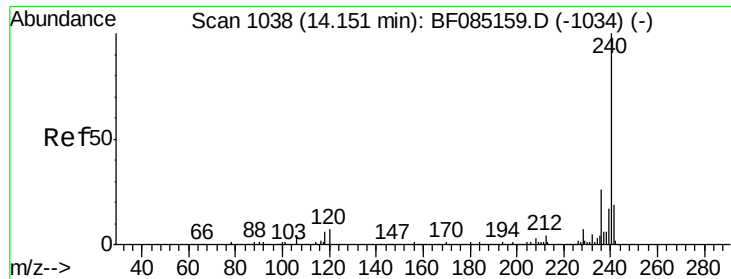
Delta R.T. -0.06 min

Lab File: BF085443.D

Acq: 14 Mar 2016 21:53

Tgt Ion:	202	Resp:	1093780
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	31.8
203	18.3	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 1033

Delta R.T. -0.06 min

Lab File: BF085443.D

Acq: 14 Mar 2016 21:53

Instrument :

BNA_F

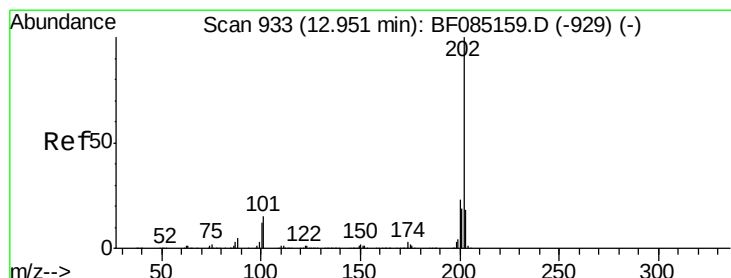
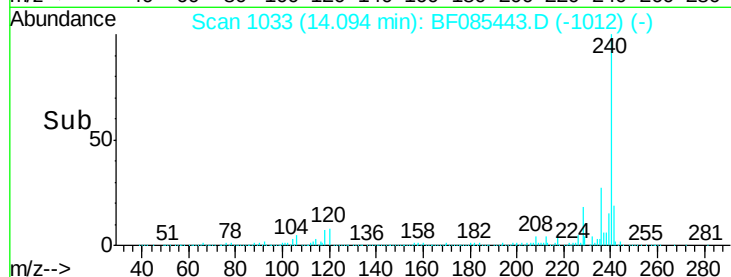
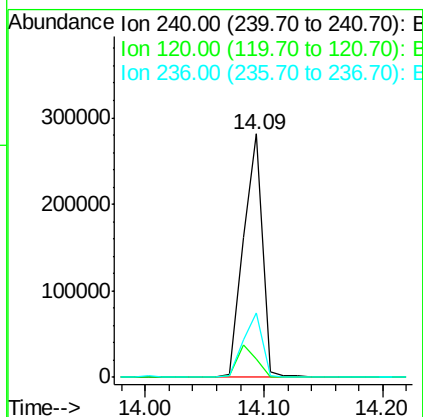
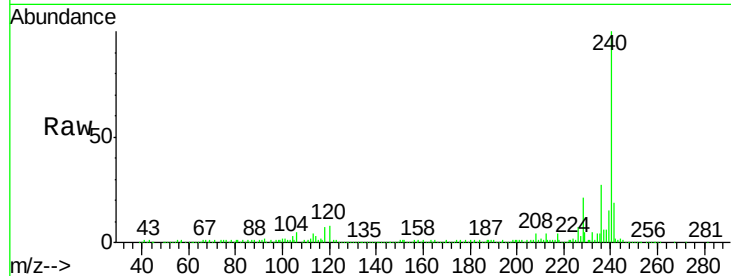
ClientSampleId :

W170TH-SB-22(0.5-2.0)

Tgt Ion:	240	Resp:	313772
Ion Ratio	Lower	Upper	
240	100		
120	7.7	5.3	7.9
236	26.5	20.7	31.1

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#77

Pyrene

Concen: 41.87 ng

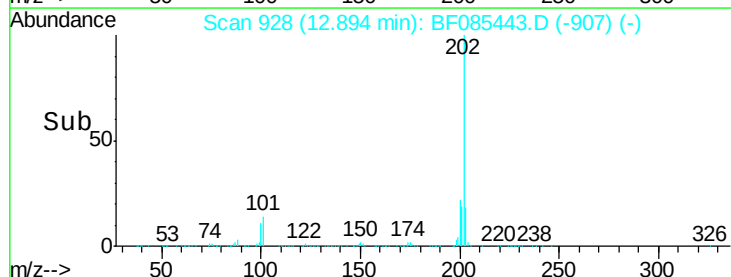
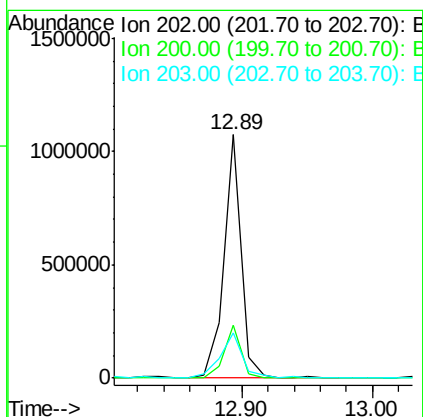
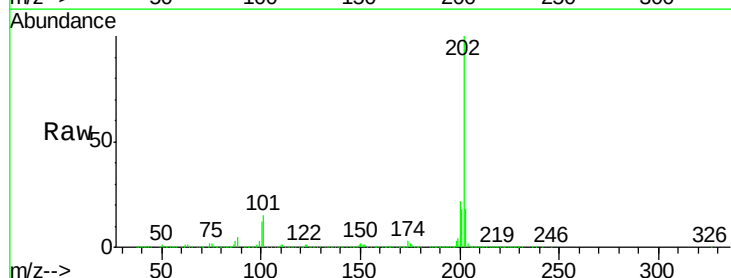
RT: 12.89 min Scan# 928

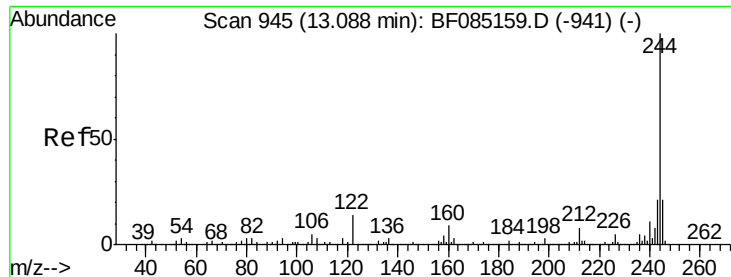
Delta R.T. -0.06 min

Lab File: BF085443.D

Acq: 14 Mar 2016 21:53

Tgt Ion:	202	Resp:	988860
Ion Ratio	Lower	Upper	
202	100		
200	22.0	18.2	27.4
203	18.4	14.7	22.1





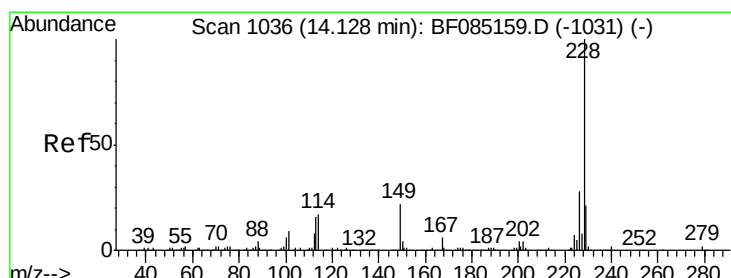
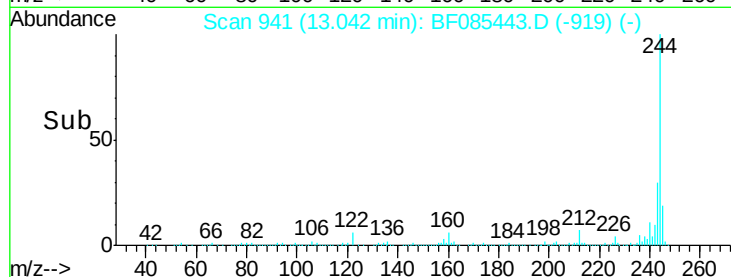
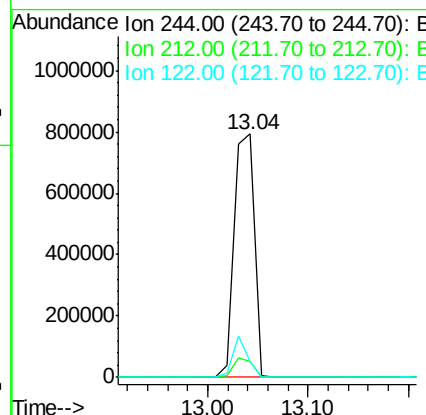
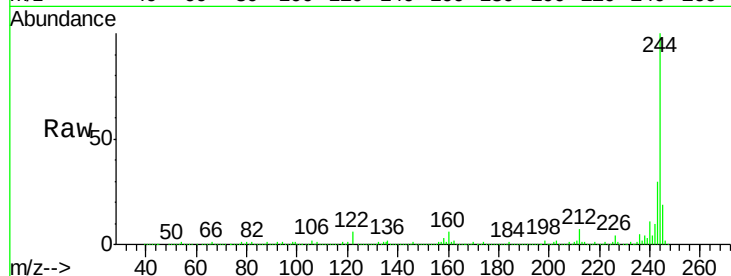
#78
 Terphenyl-d14
 Concen: 81.47 ng
 RT: 13.04 min Scan# 941
 Delta R.T. -0.05 min
 Lab File: BF085443.D
 Acq: 14 Mar 2016 21:53

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-22(0.5-2.0)

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.4	9.6
122	6.3	11.4	17.2#

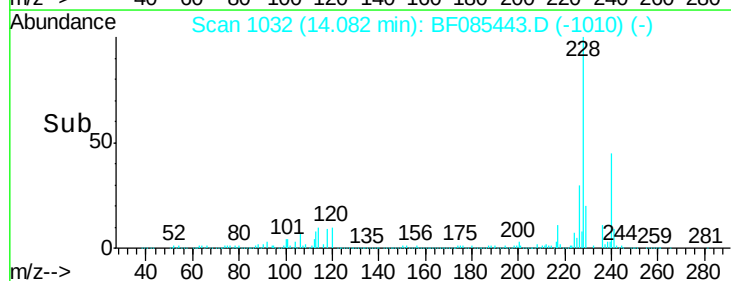
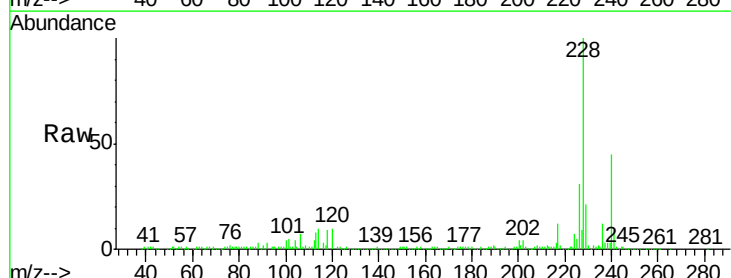
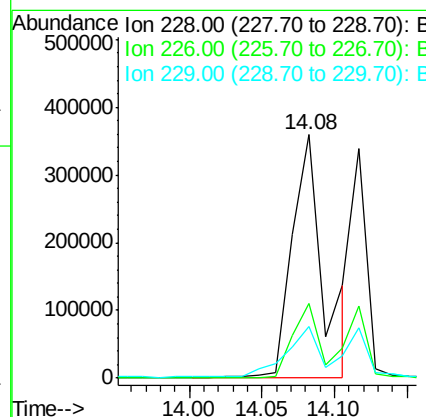
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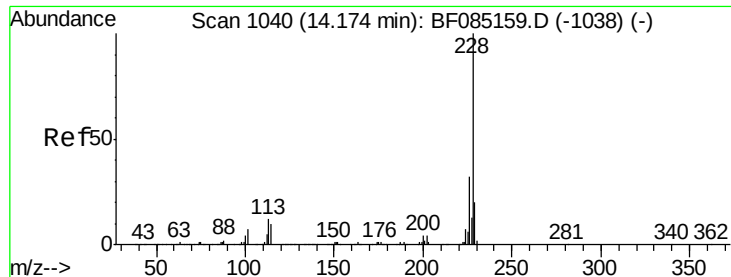
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#80
 Benzo(a)anthracene
 Concen: 28.50 ng
 RT: 14.08 min Scan# 1032
 Delta R.T. -0.05 min
 Lab File: BF085443.D
 Acq: 14 Mar 2016 21:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.8	34.2
229	21.0	16.6	24.8





#82

Chrysene

Concen: 14.39 ng m

RT: 14.12 min Scan# 1035

Delta R.T. -0.06 min

Lab File: BF085443.D

Acq: 14 Mar 2016 21:53

Instrument :

BNA_F

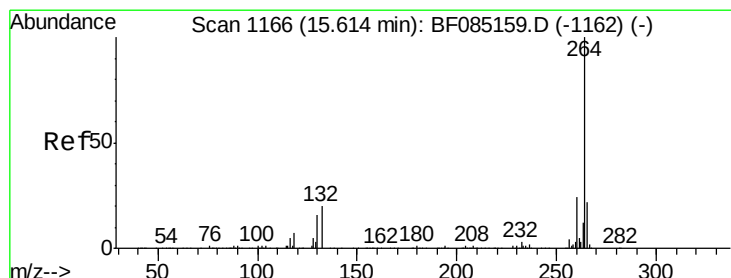
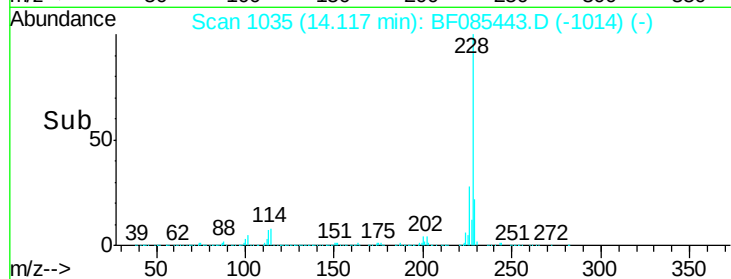
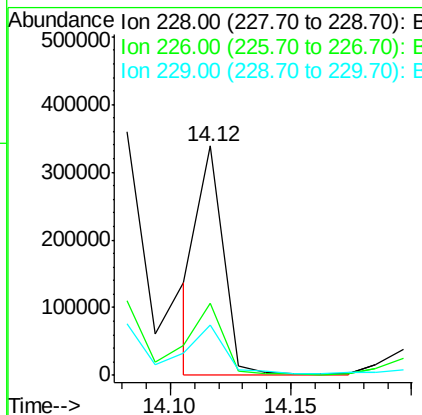
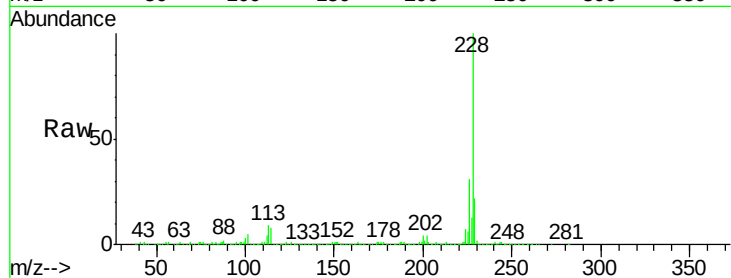
ClientSampleId :

W170TH-SB-22(0.5-2.0)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.2	37.8
229	21.8	16.0	24.0

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#86

Perylene-d12

Concen: 20.00 ng

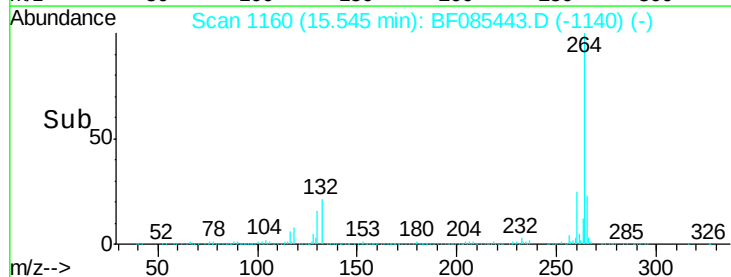
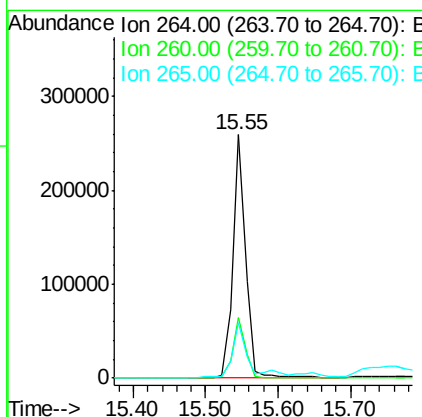
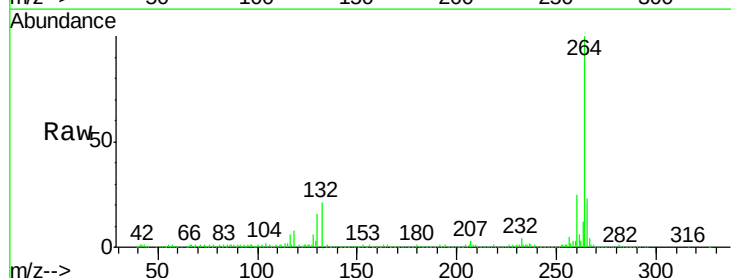
RT: 15.55 min Scan# 1160

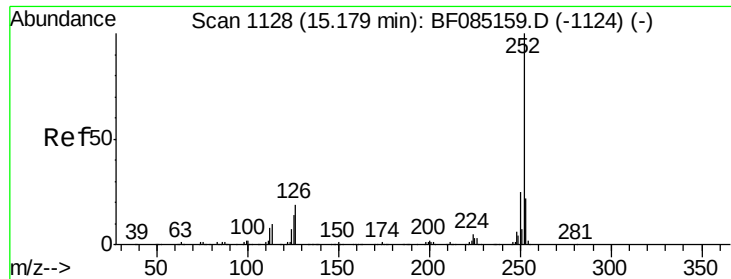
Delta R.T. -0.07 min

Lab File: BF085443.D

Acq: 14 Mar 2016 21:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.8	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 18.22 ng m

RT: 15.12 min Scan# 1123

Delta R.T. -0.06 min

Lab File: BF085443.D

Acq: 14 Mar 2016 21:53

Instrument :

BNA_F

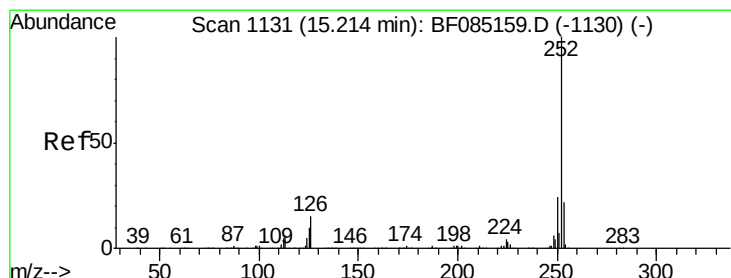
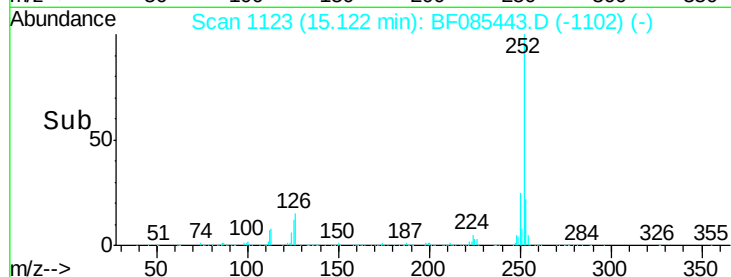
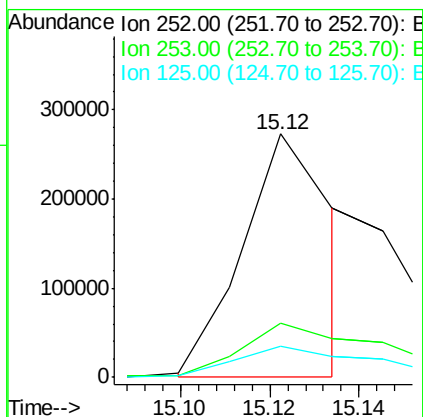
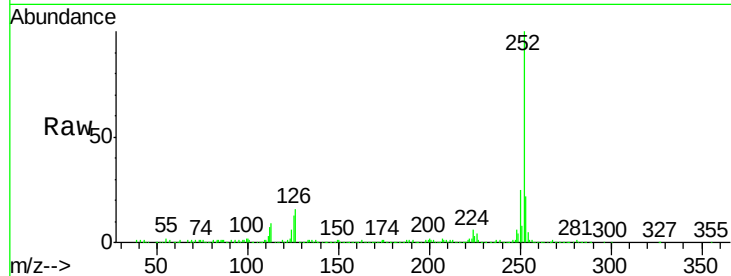
ClientSampleId :

W170TH-SB-22(0.5-2.0)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	12.8	11.3	16.9

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#88

Benzo(k)fluoranthene

Concen: 9.68 ng m

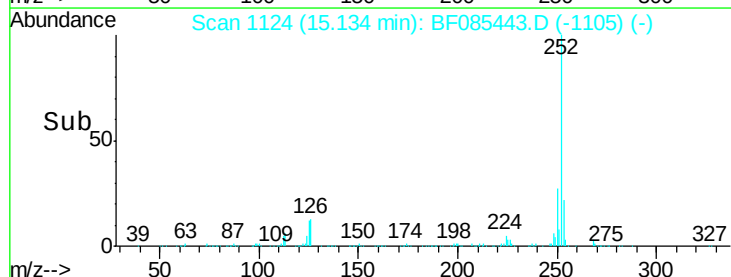
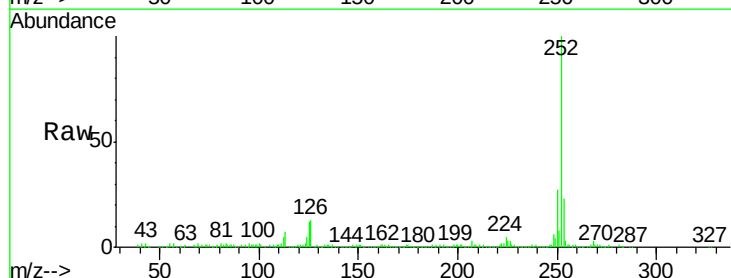
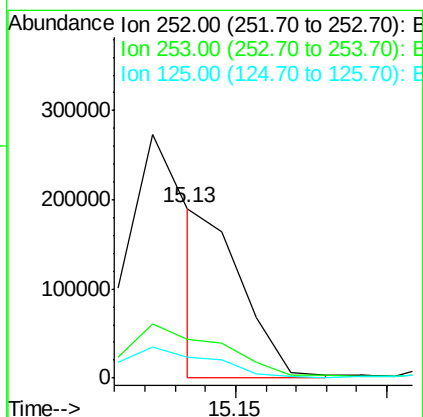
RT: 15.13 min Scan# 1124

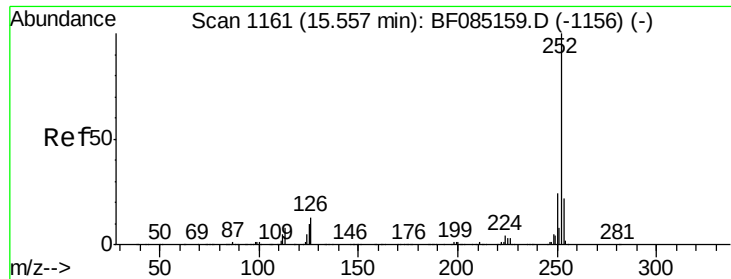
Delta R.T. -0.08 min

Lab File: BF085443.D

Acq: 14 Mar 2016 21:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	12.2	10.4	15.6





#89

Benzo(a)pyrene

Concen: 17.74 ng

RT: 15.49 min Scan# 1155

Delta R.T. -0.07 min

Lab File: BF085443.D

Acq: 14 Mar 2016 21:53

Instrument :

BNA_F

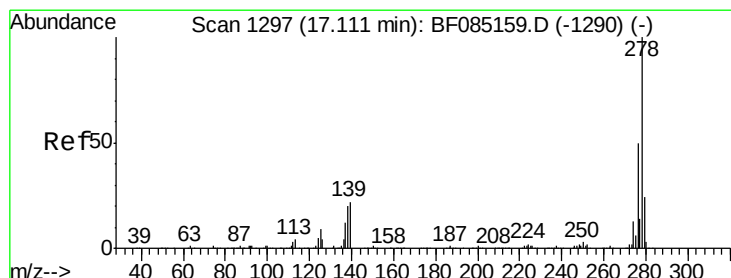
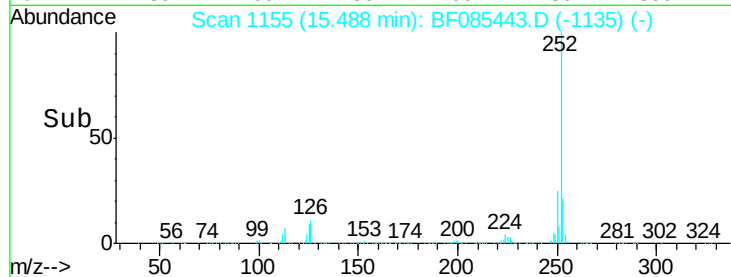
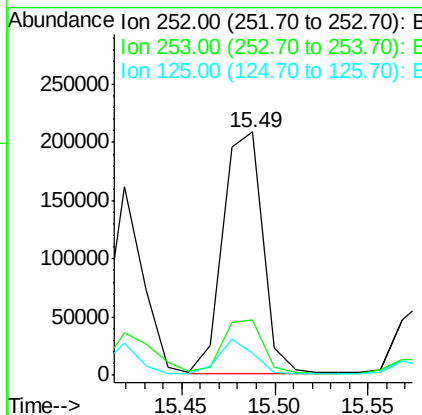
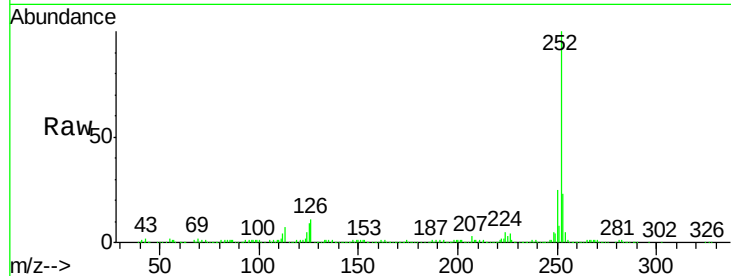
ClientSampleId :

W170TH-SB-22(0.5-2.0)

Tgt Ion:	252	Resp:	312088
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.4	26.0
125	9.3	8.2	12.4

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#90

Dibenzo(a,h)anthracene

Concen: 3.35 ng

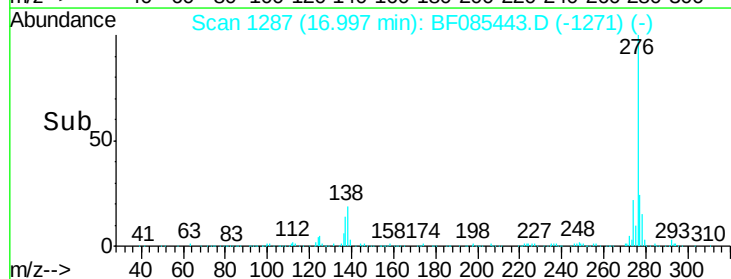
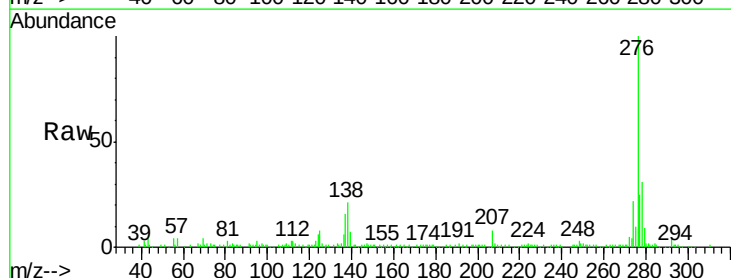
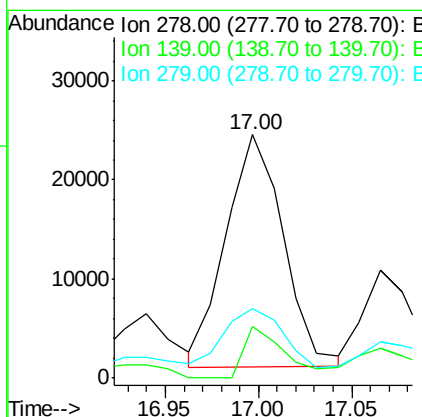
RT: 17.00 min Scan# 1287

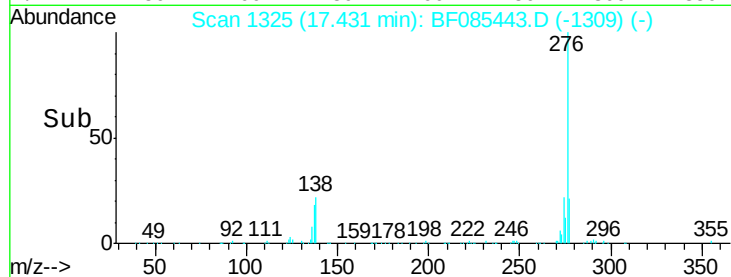
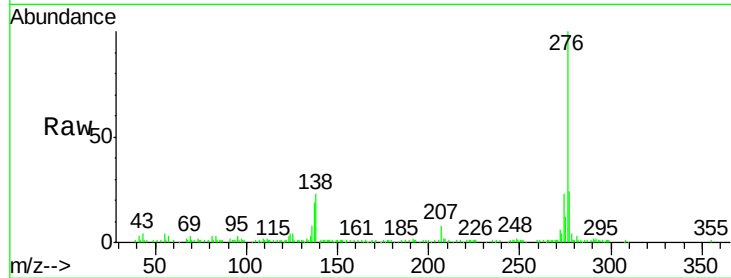
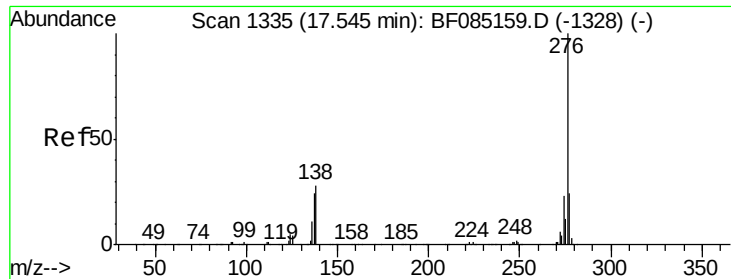
Delta R.T. -0.11 min

Lab File: BF085443.D

Acq: 14 Mar 2016 21:53

Tgt Ion:	278	Resp:	50236
Ion Ratio	Lower	Upper	
278	100		
139	21.1	17.3	25.9
279	28.8	19.2	28.8





#91

Benzo(g,h,i)perylene

Concen: 10.80 ng

RT: 17.43 min Scan# 1325

Delta R.T. -0.11 min

Lab File: BF085443.D

Acq: 14 Mar 2016 21:53

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-22(0.5-2.0)

Tgt Ion:	276	Resp:	163117
Ion Ratio		Lower	Upper
276	100		
277	24.0	19.0	28.4
138	23.2	22.5	33.7

Manual Integrations
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