

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
 Data File : BF085402.D
 Acq On : 12 Mar 2016 6:39
 Operator : UM/SJ
 Sample : H1754-12
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-08(0.5-3.0)

Manual Integrations
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 3/14/2016 10:46:04 AM

Quant Time: Mar 14 00:56:59 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	148958	20.00	ng	-0.05
21) Naphthalene-d8	8.22	136	533344	20.00	ng	-0.05
38) Acenaphthene-d10	9.98	164	223022	20.00	ng	-0.05
63) Phenanthrene-d10	11.46	188	341762	20.00	ng	-0.05
75) Chrysene-d12	14.11	240	280669	20.00	ng	-0.05
86) Perylene-d12	15.57	264	245286	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1118819	125.99	ng	-0.03
7) Phenol-d6	6.56	99	1353791	116.36	ng	-0.05
23) Nitrobenzene-d5	7.50	82	755337	75.78	ng	-0.05
41) 2,4,6-Tribromophenol	10.77	330	209710	109.89	ng	-0.05
44) 2-Fluorobiphenyl	9.30	172	1301669	88.76	ng	-0.05
78) Terphenyl-d14	13.05	244	818827	67.73	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.69	163	147847	8.64	ng	98
70) Phenanthrene	11.49	178	38115	2.13	ng	97
74) Fluoranthene	12.68	202	96184	5.35	ng	98
77) Pyrene	12.91	202	89455	4.23	ng	97
80) Benzo(a)anthracene	14.09	228	63865	3.80	ng	95
82) Chrysene	14.13	228	44862	2.89	ng	98
83) Bis(2-ethylhexyl)phthalate	14.08	149	304407	24.13	ng	99
85) Indeno(1,2,3-cd)pyrene	17.02	276	27086	2.24	ng	# 85
87) Benzo(b)fluoranthene	15.15	252	73209m	4.48	ng	
88) Benzo(k)fluoranthene	15.17	252	26583m	2.02	ng	
89) Benzo(a)pyrene	15.51	252	49508	3.65	ng	97
91) Benzo(g,h,i)perylene	17.47	276	25640	2.20	ng	98

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

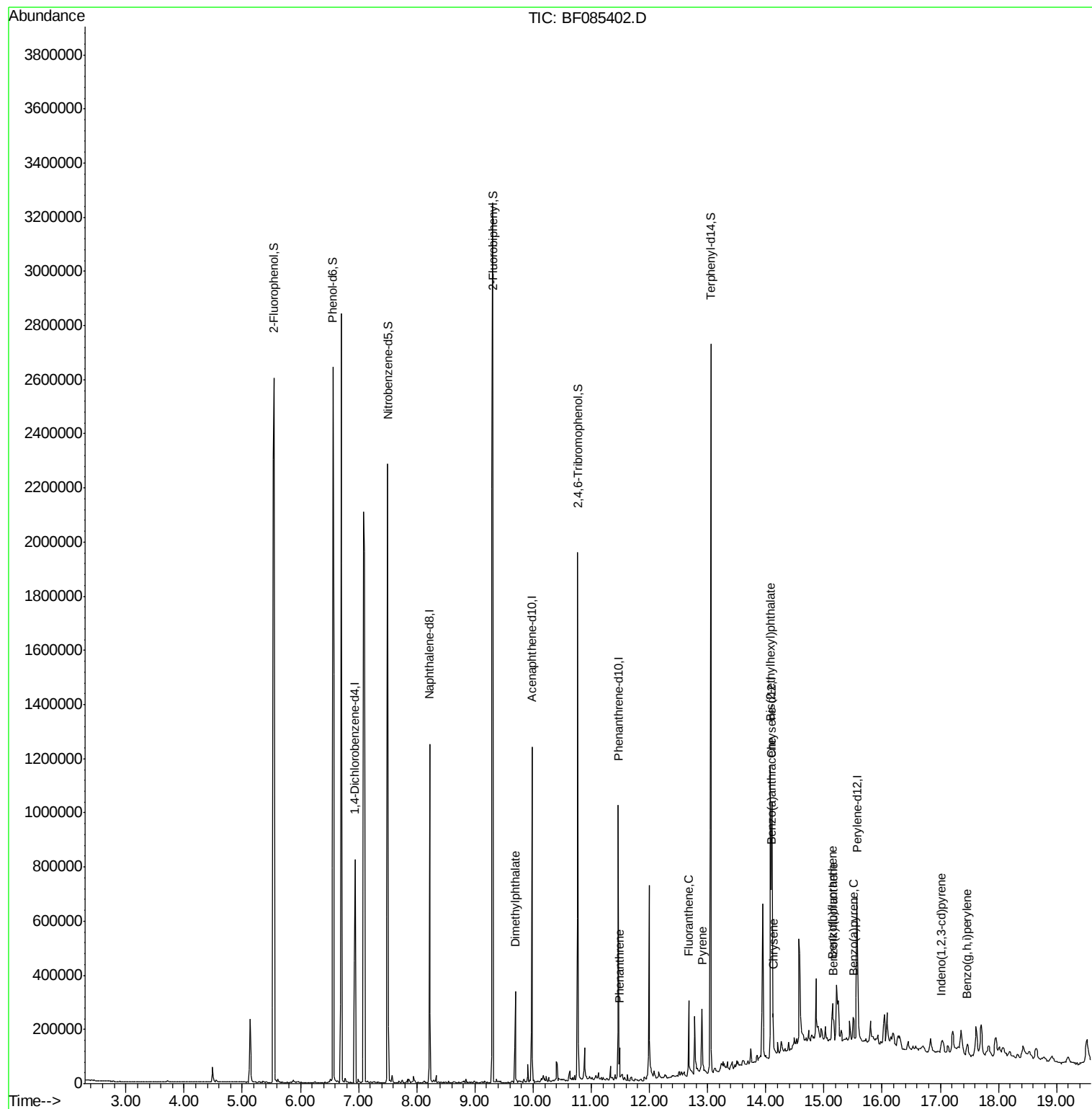
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
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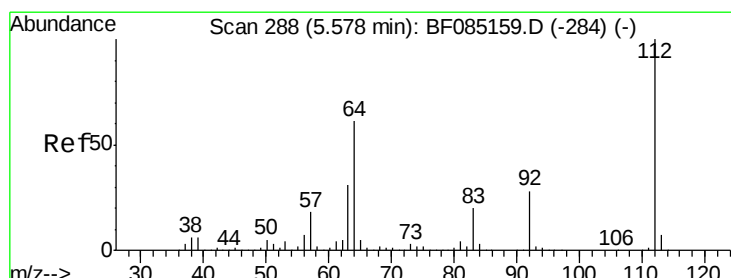
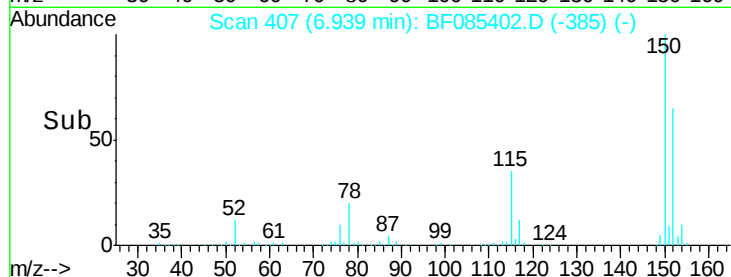
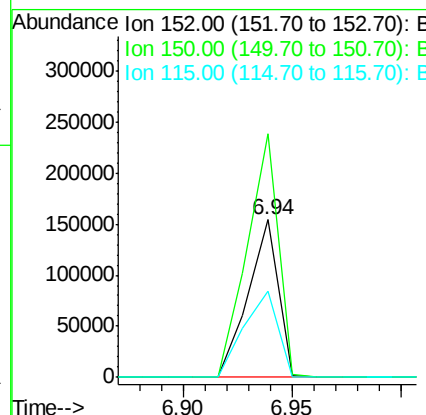
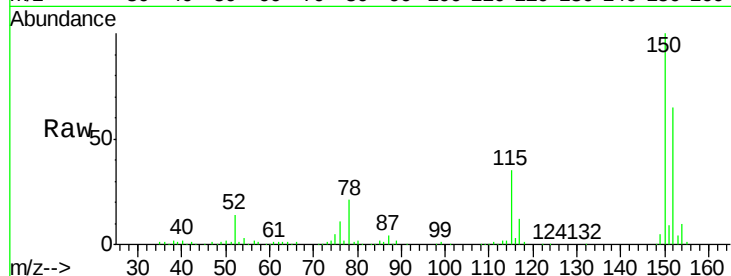
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.94 min Scan# 407
 Delta R.T. -0.05 min
 Lab File: BF085402.D
 Acq: 12 Mar 2016 6:39

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-08(0.5-3.0)

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	148958		
150	154.3	124.6	186.8	
115	54.2	46.6	70.0	

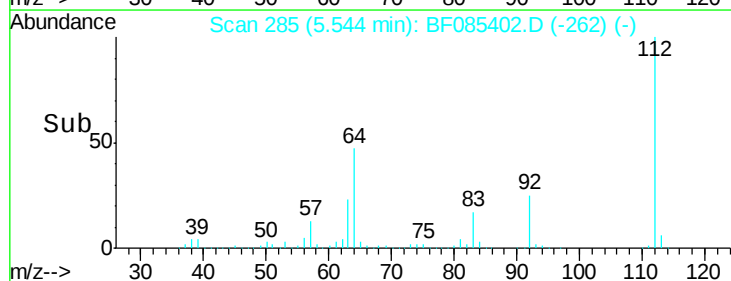
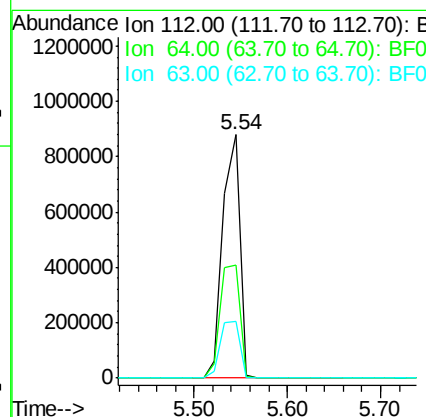
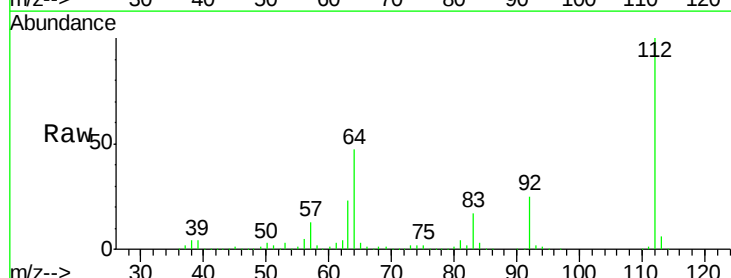
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#5
 2-Fluorophenol
 Concen: 125.99 ng
 RT: 5.54 min Scan# 285
 Delta R.T. -0.03 min
 Lab File: BF085402.D
 Acq: 12 Mar 2016 6:39

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1118819		
64	46.5	49.0	73.4#	
63	23.4	24.8	37.2#	





#7

Phenol-d6

Concen: 116.36 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085402.D

Acq: 12 Mar 2016 6:39

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-08(0.5-3.0)

Tgt Ion: 99 Resp: 1353791

Ion Ratio Lower Upper

99 100

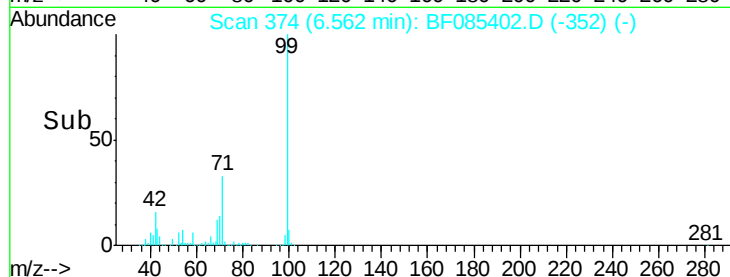
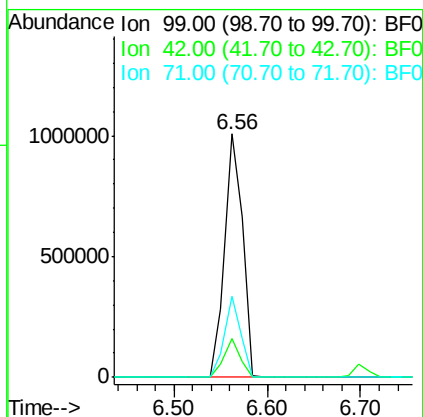
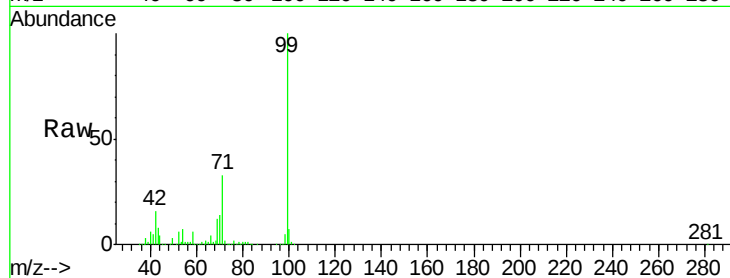
42 15.9 13.6 20.4

71 33.2 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: BF085402.D

Acq: 12 Mar 2016 6:39

Tgt Ion: 136 Resp: 533344

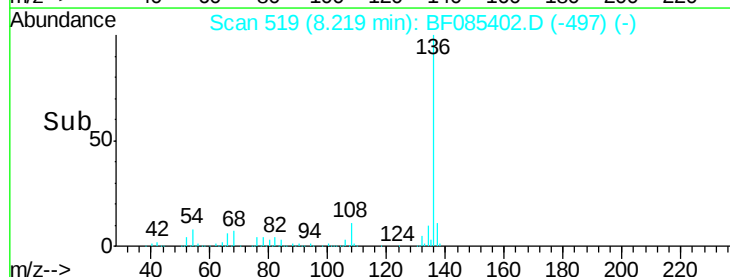
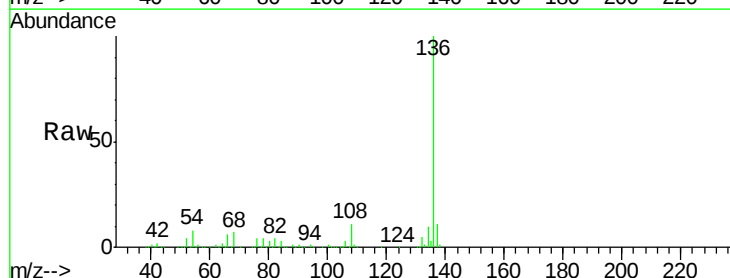
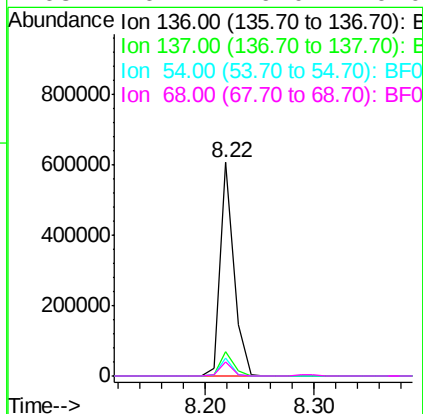
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 8.3 7.4 11.2

68 6.7 6.0 9.0





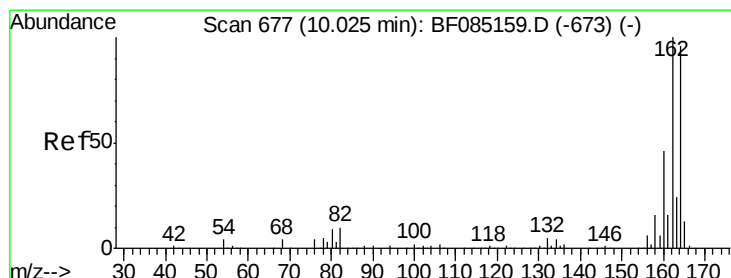
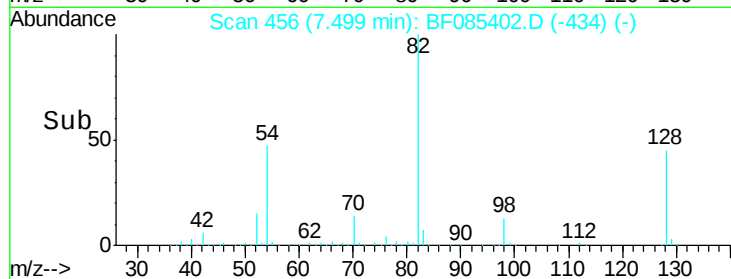
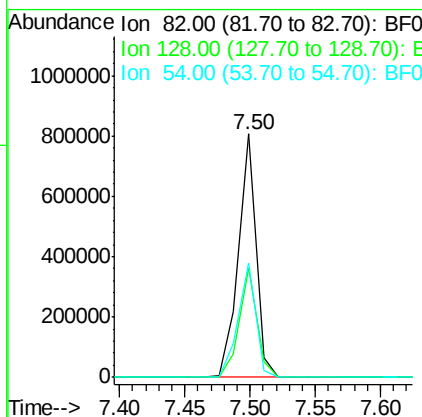
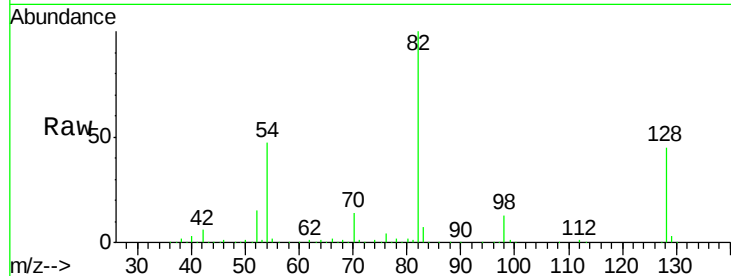
#23
 Nitrobenzene-d5
 Concen: 75.78 ng
 RT: 7.50 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF085402.D
 Acq: 12 Mar 2016 6:39

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-08(0.5-3.0)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.5	51.7
54	47.1	39.3	58.9

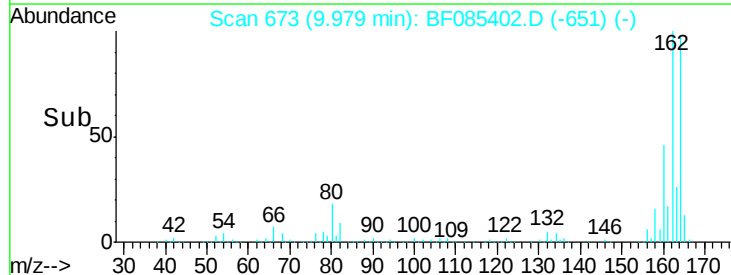
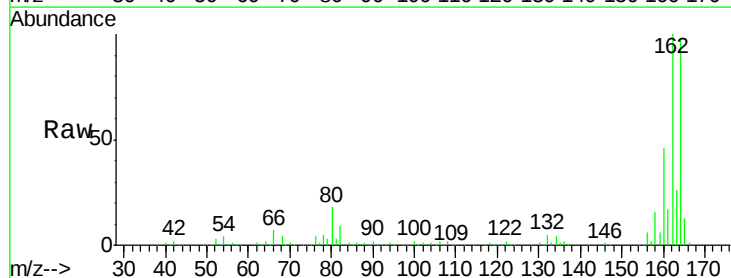
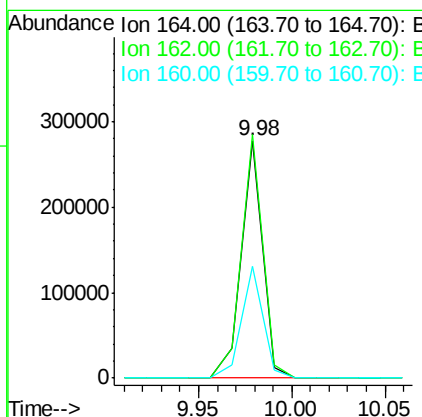
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.98 min Scan# 673
 Delta R.T. -0.05 min
 Lab File: BF085402.D
 Acq: 12 Mar 2016 6:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	83.3	124.9
160	47.0	37.9	56.9





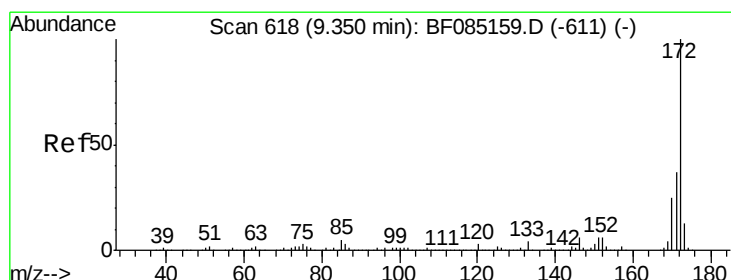
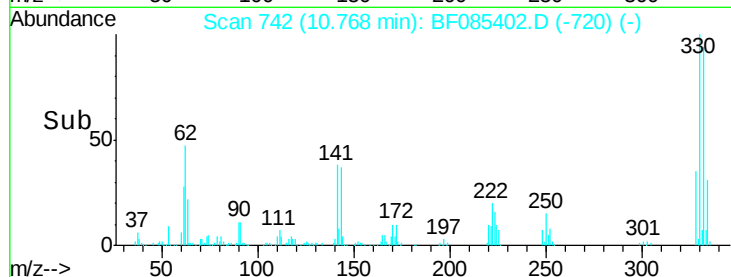
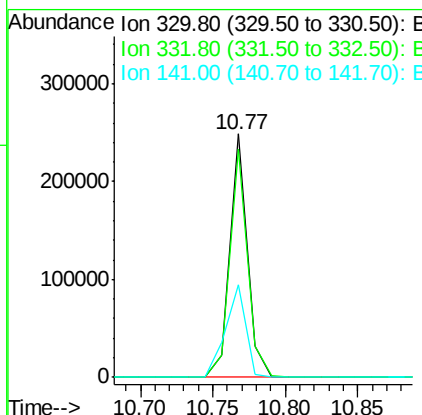
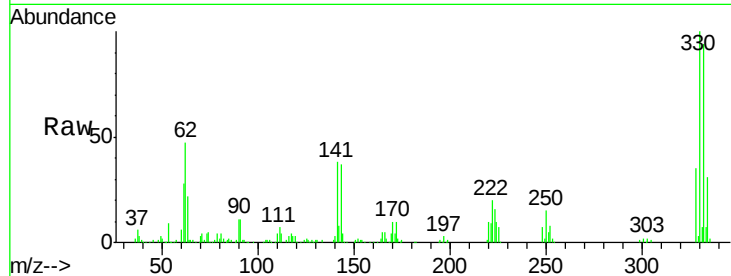
#41
 2,4,6-Tribromophenol
 Concen: 109.89 ng
 RT: 10.77 min Scan# 742
 Delta R.T. -0.05 min
 Lab File: BF085402.D
 Acq: 12 Mar 2016 6:39

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-08(0.5-3.0)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	209710		
332	94.9	77.1	115.7	
141	44.2	35.0	52.6	

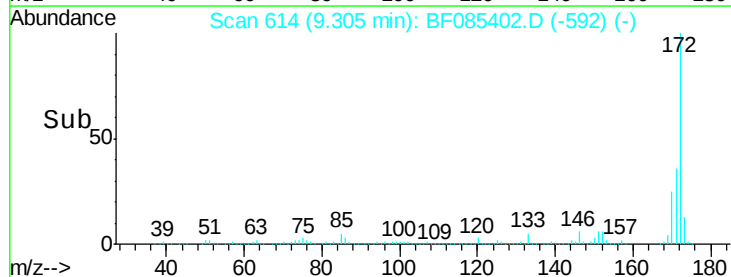
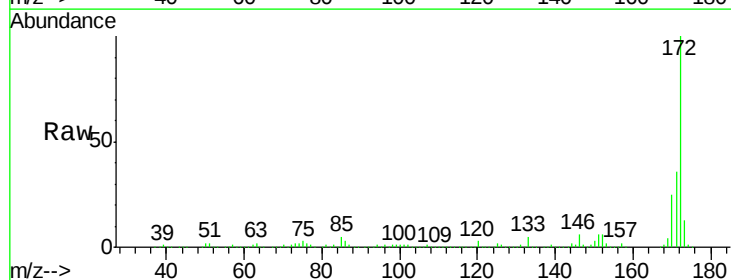
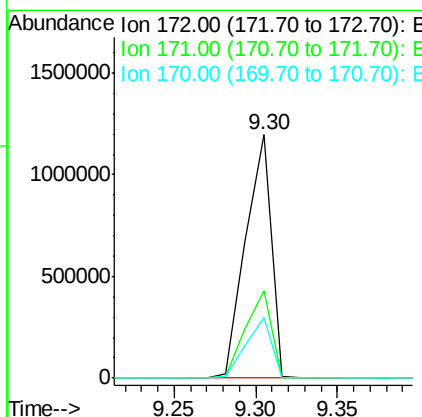
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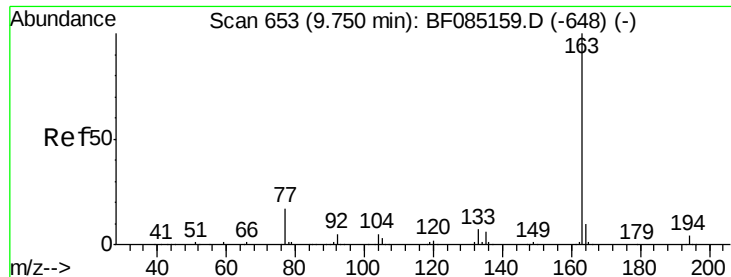
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#44
 2-Fluorobiphenyl
 Concen: 88.76 ng
 RT: 9.30 min Scan# 614
 Delta R.T. -0.05 min
 Lab File: BF085402.D
 Acq: 12 Mar 2016 6:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1301669		
171	35.9	29.3	43.9	
170	24.8	20.0	30.0	





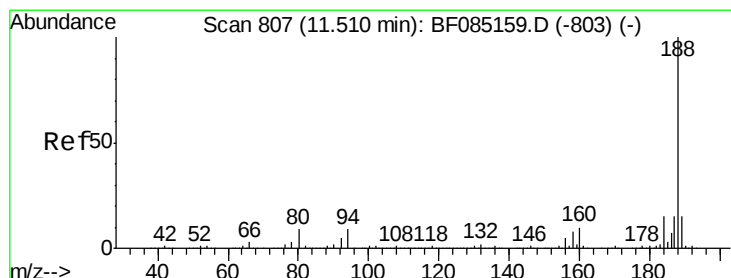
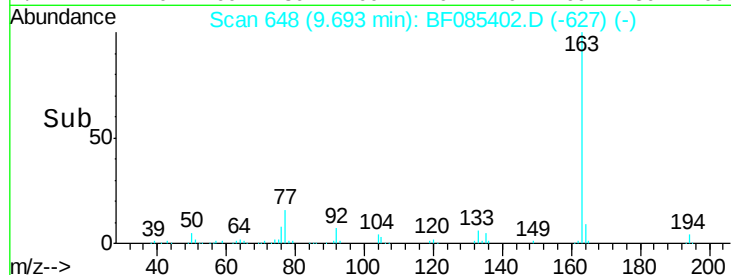
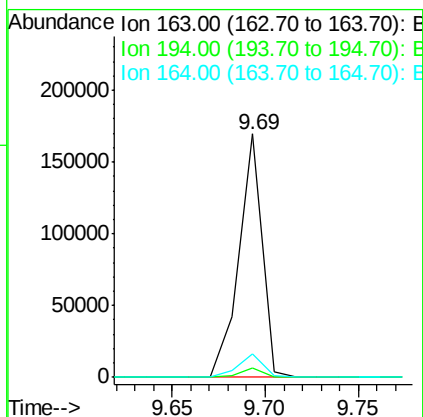
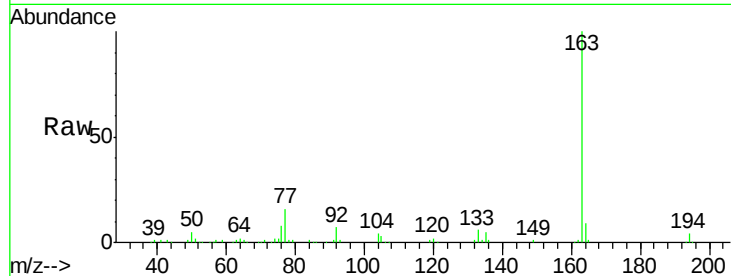
#49
Dimethylphthalate
Concen: 8.64 ng
RT: 9.69 min Scan# 648
Delta R.T. -0.06 min
Lab File: BF085402.D
Acq: 12 Mar 2016 6:39

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-08(0.5-3.0)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	147847		
194	3.8	3.1	4.7	
164	9.4	8.2	12.4	

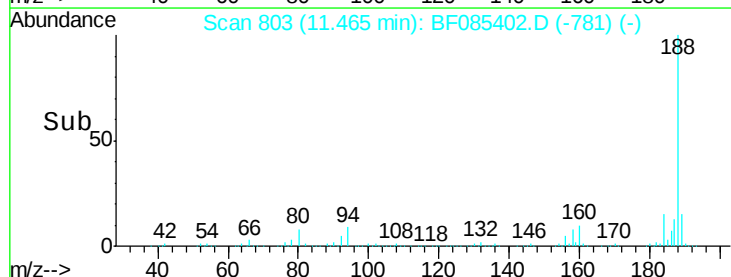
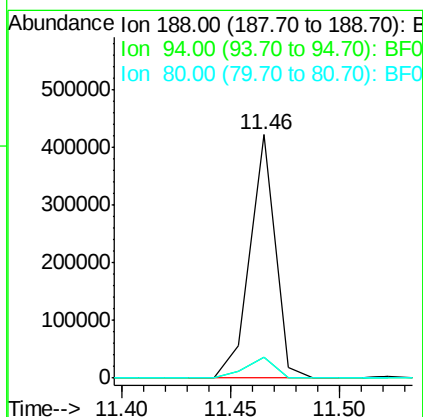
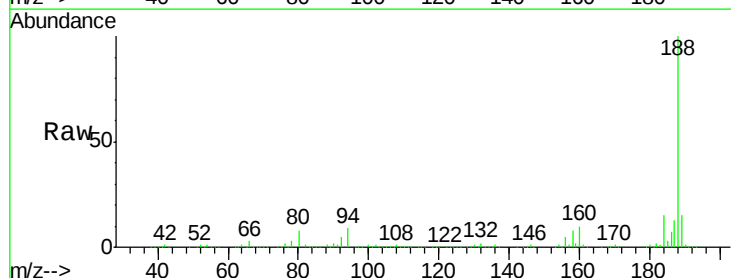
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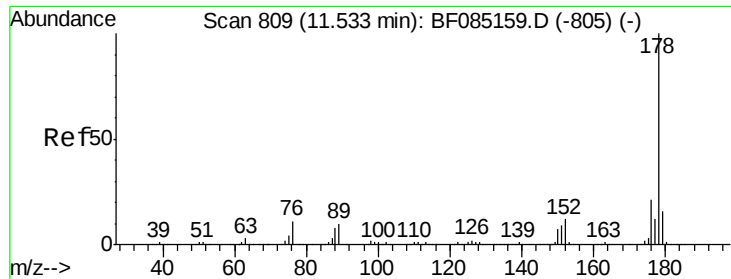
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 803
Delta R.T. -0.05 min
Lab File: BF085402.D
Acq: 12 Mar 2016 6:39

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	341762		
94	8.5	7.0	10.6	
80	8.4	7.4	11.0	





#70

Phenanthrene

Concen: 2.13 ng

RT: 11.49 min Scan# 805

Delta R.T. -0.05 min

Lab File: BF085402.D

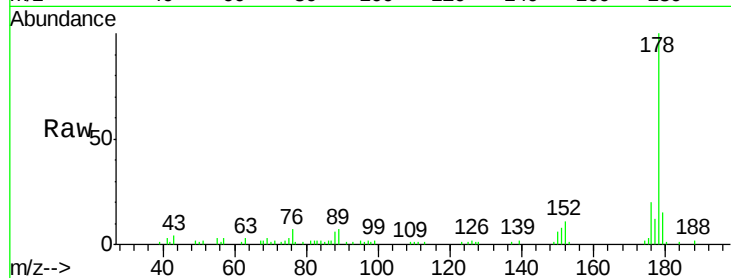
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Instrument :

BNA_F

ClientSampleId :

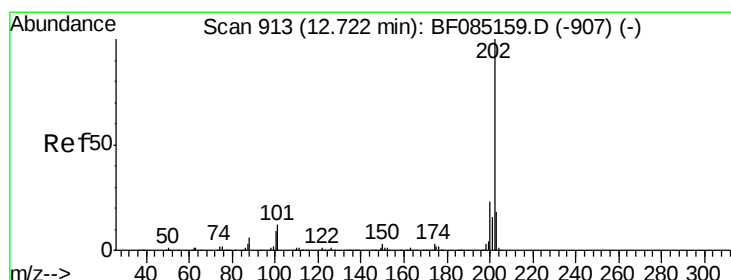
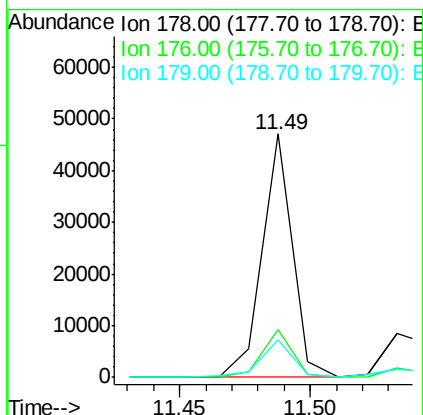
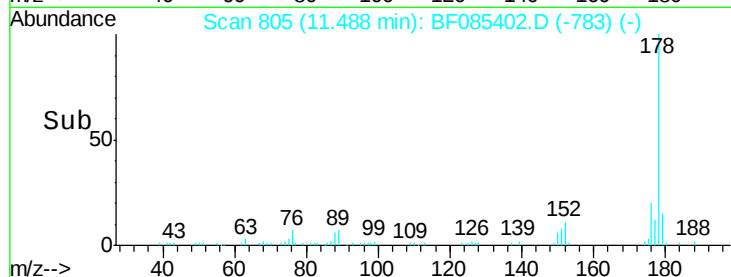
W170TH-SB-08(0.5-3.0)



Tgt Ion:	178	Resp:	38115
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.8	25.2
179	15.4	13.1	19.7

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#74

Fluoranthene

Concen: 5.35 ng

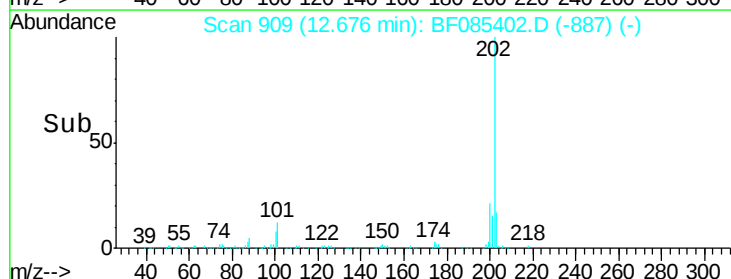
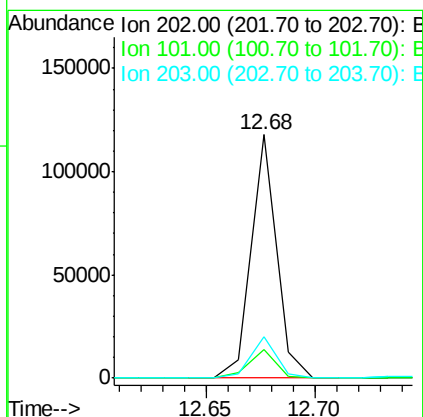
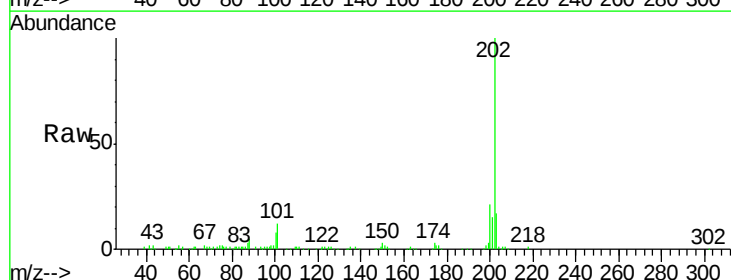
RT: 12.68 min Scan# 909

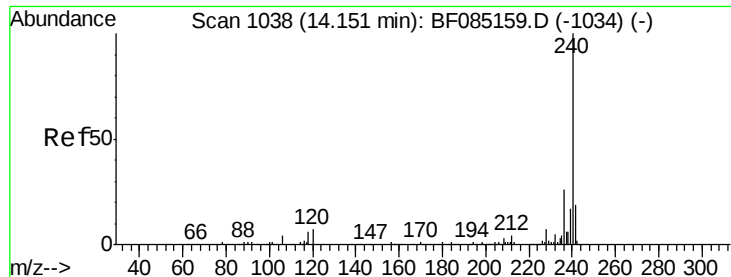
Delta R.T. -0.05 min

Lab File: BF085402.D

Acq: 12 Mar 2016 6:39

Tgt Ion:	202	Resp:	96184
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	31.8
203	17.1	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: BF085402.D

Acq: 12 Mar 2016 6:39

Instrument :

BNA_F

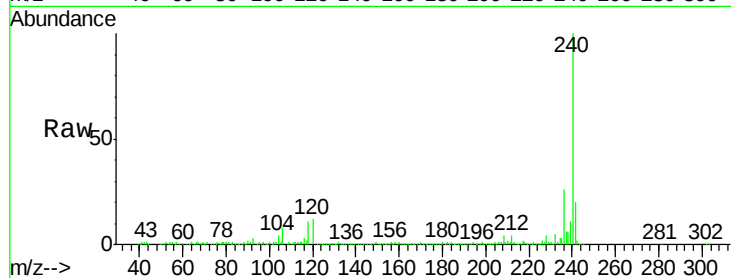
ClientSampleId :

W170TH-SB-08(0.5-3.0)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	280669		
120	12.3	5.3	7.9#	
236	26.4	20.7	31.1	

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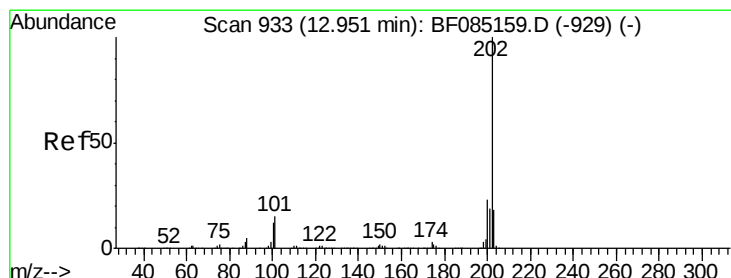
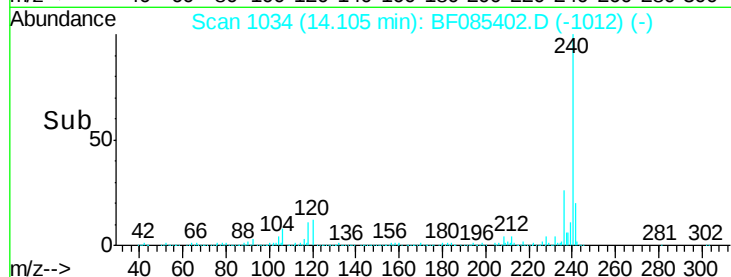
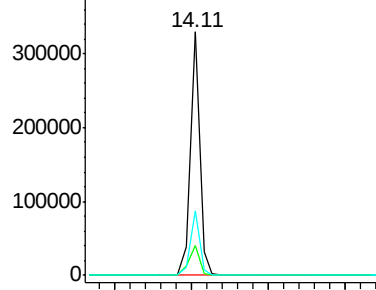
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.23 ng

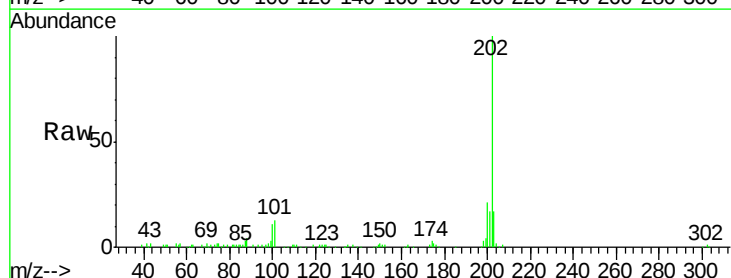
RT: 12.91 min Scan# 929

Delta R.T. -0.05 min

Lab File: BF085402.D

Acq: 12 Mar 2016 6:39

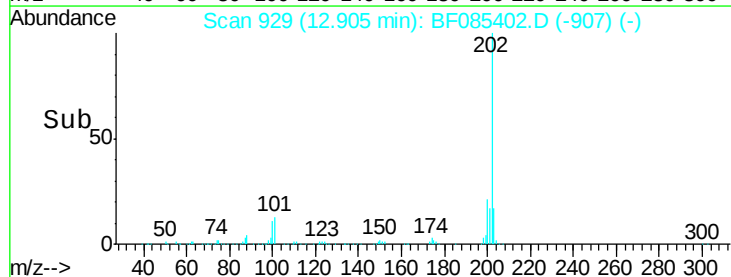
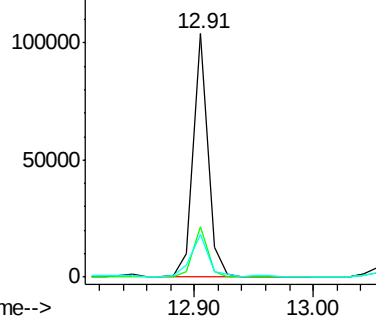
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	89455		
200	20.9	18.2	27.4	
203	17.5	14.7	22.1	

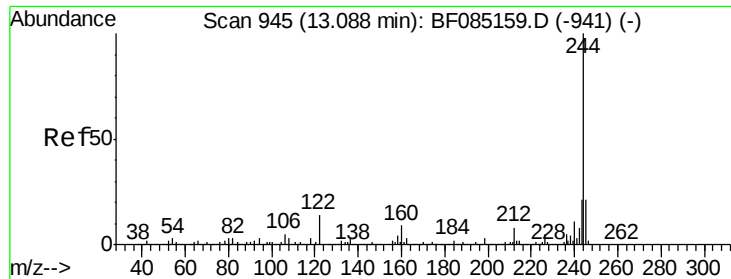


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





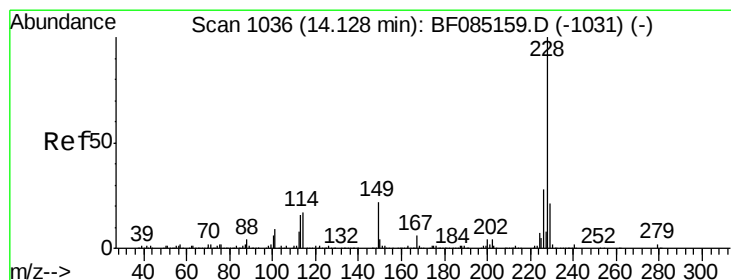
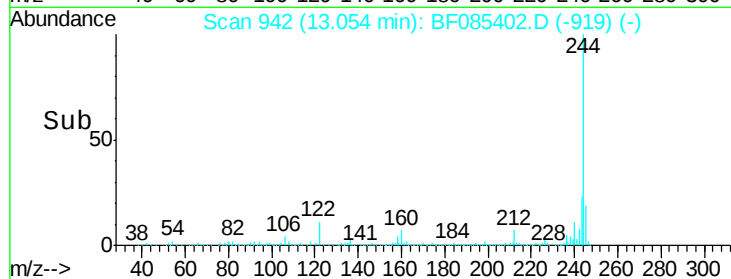
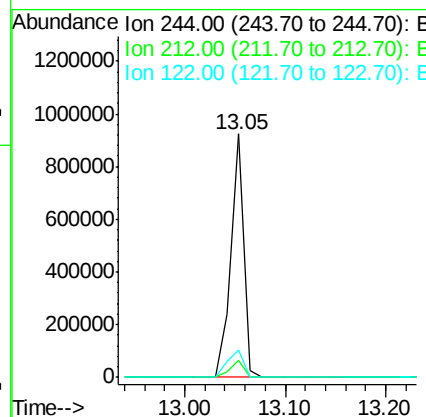
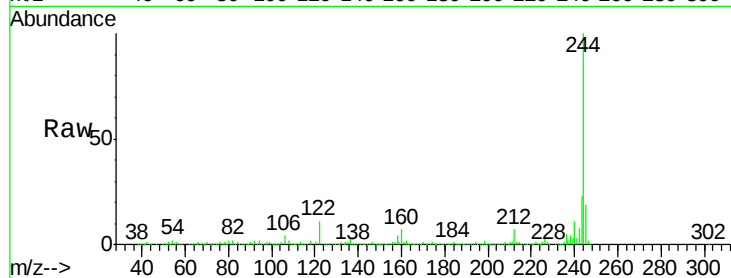
#78
 Terphenyl-d14
 Concen: 67.73 ng
 RT: 13.05 min Scan# 942
 Delta R.T. -0.03 min
 Lab File: BF085402.D
 Acq: 12 Mar 2016 6:39

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-08(0.5-3.0)

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.3	6.4	9.6
122	11.3	11.4	17.2#

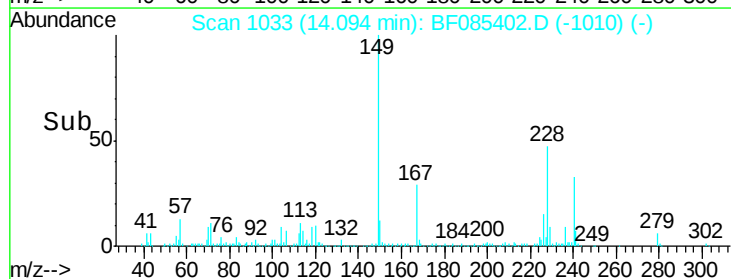
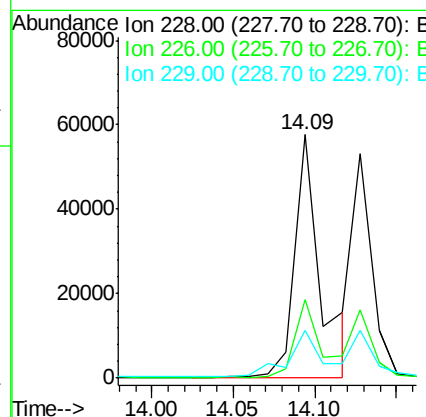
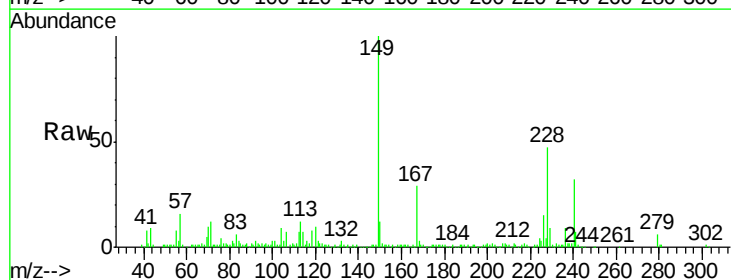
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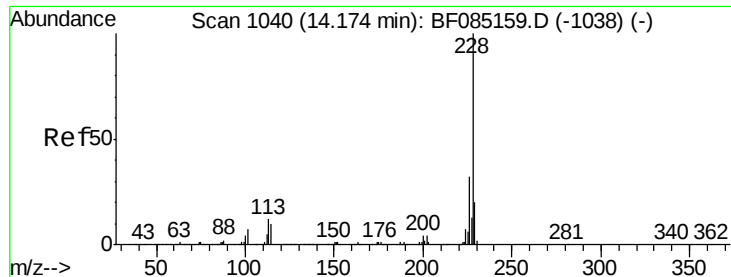
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#80
 Benzo(a)anthracene
 Concen: 3.80 ng
 RT: 14.09 min Scan# 1033
 Delta R.T. -0.03 min
 Lab File: BF085402.D
 Acq: 12 Mar 2016 6:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	32.0	22.8	34.2
229	19.9	16.6	24.8





#82

Chrysene

Concen: 2.89 ng

RT: 14.13 min Scan# 1036

Delta R.T. -0.05 min

Lab File: BF085402.D

Acq: 12 Mar 2016 6:39

Instrument :

BNA_F

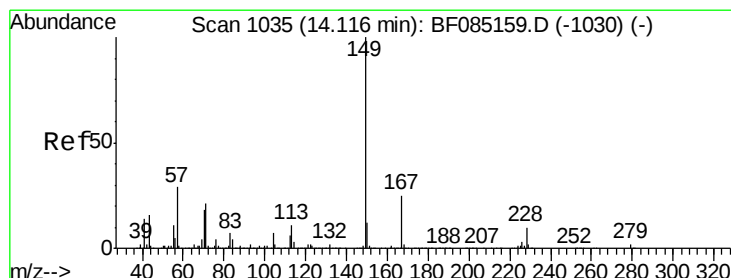
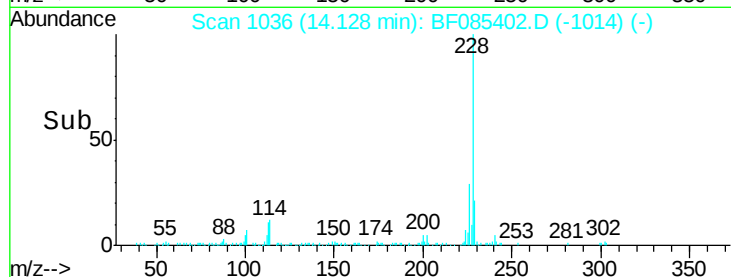
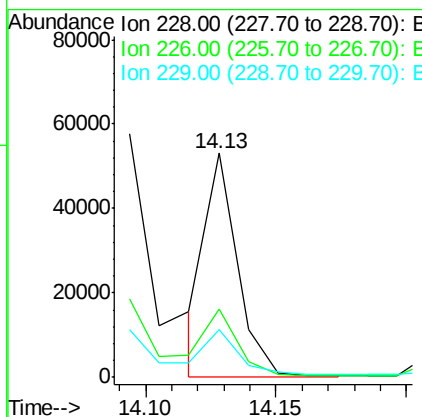
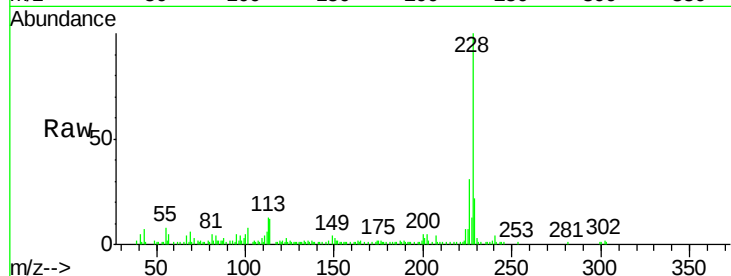
ClientSampleId :

W170TH-SB-08(0.5-3.0)

Tgt Ion:	228	Resp:	44862
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.2	37.8
229	21.6	16.0	24.0

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#83

Bis(2-ethylhexyl)phthalate

Concen: 24.13 ng

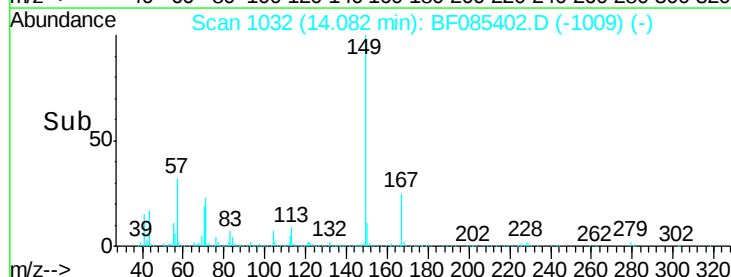
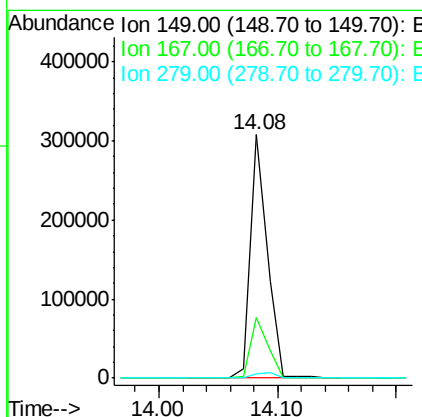
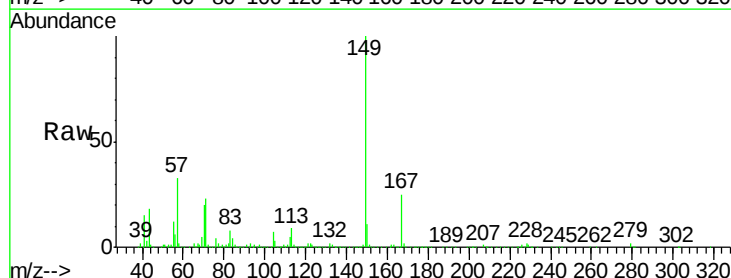
RT: 14.08 min Scan# 1032

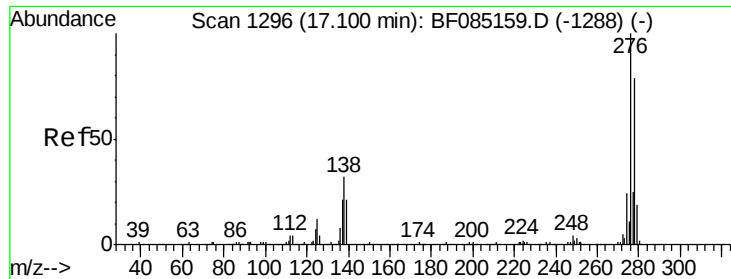
Delta R.T. -0.03 min

Lab File: BF085402.D

Acq: 12 Mar 2016 6:39

Tgt Ion:	149	Resp:	304407
Ion Ratio	Lower	Upper	
149	100		
167	24.9	20.3	30.5
279	2.0	1.9	2.9





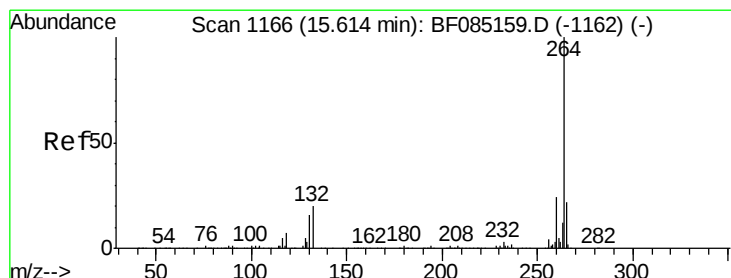
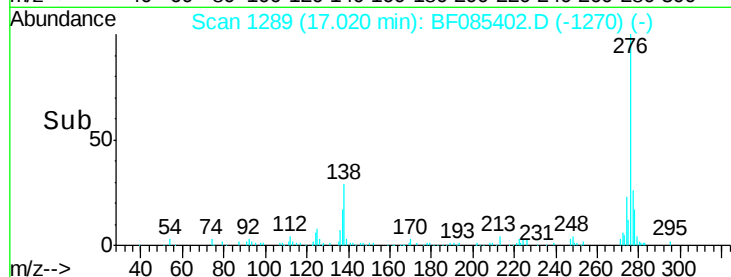
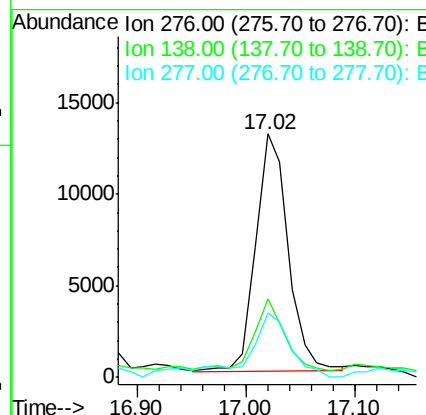
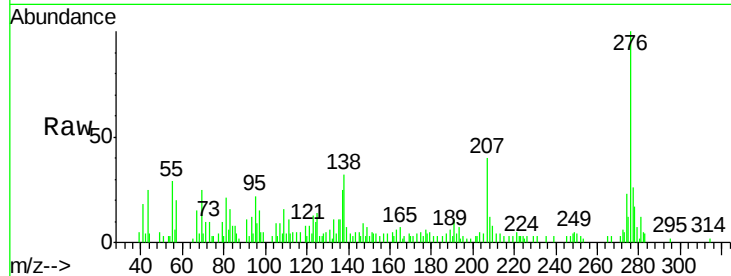
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.24 ng
 RT: 17.02 min Scan# 1289
 Delta R.T. -0.08 min
 Lab File: BF085402.D
 Acq: 12 Mar 2016 6:39

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-08(0.5-3.0)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.0	26.4	39.6
277	37.5	20.2	30.2

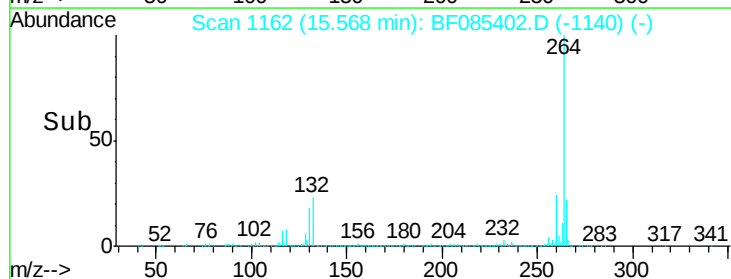
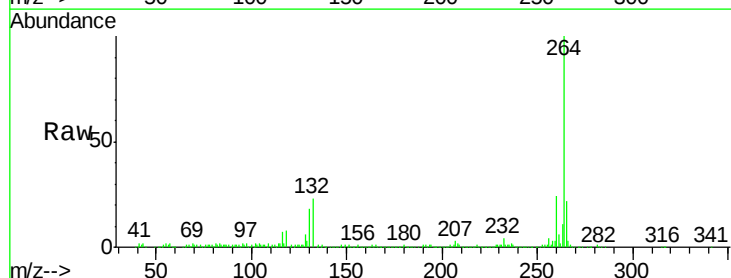
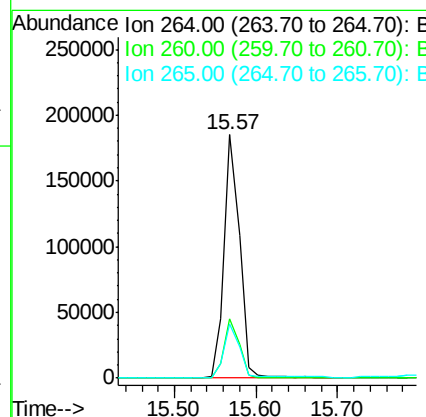
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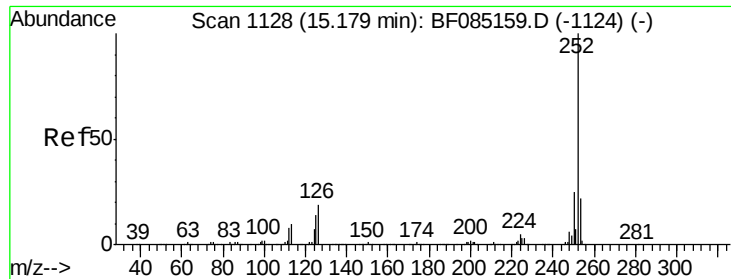
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BF085402.D
 Acq: 12 Mar 2016 6:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.1	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 4.48 ng m

RT: 15.15 min Scan# 1125

Delta R.T. -0.03 min

Lab File: BF085402.D

Acq: 12 Mar 2016 6:39

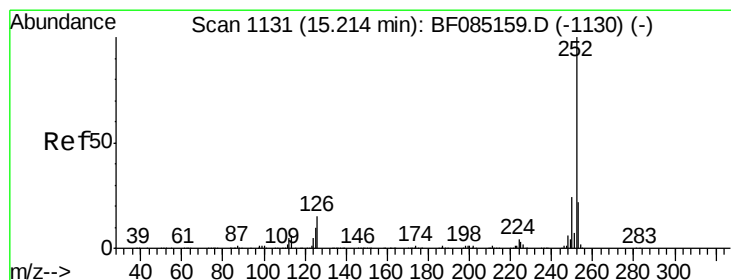
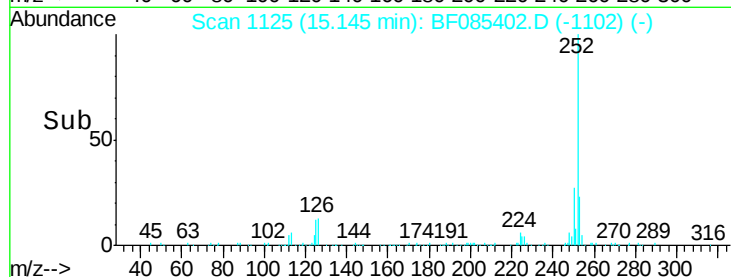
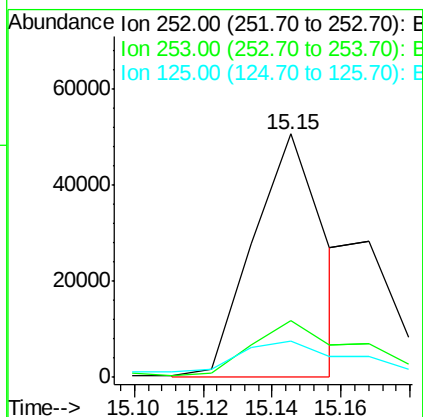
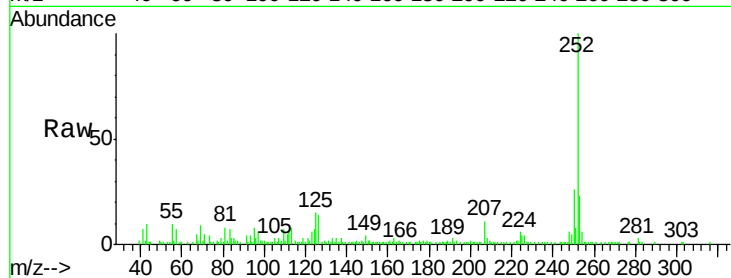
Instrument :
BNA_F

ClientSampleId :
W170TH-SB-08(0.5-3.0)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	15.0	11.3	16.9

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#88

Benzo(k)fluoranthene

Concen: 2.02 ng m

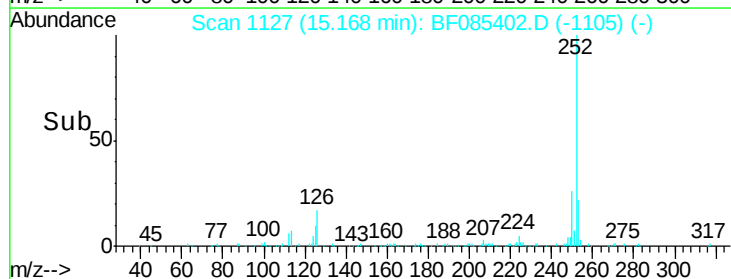
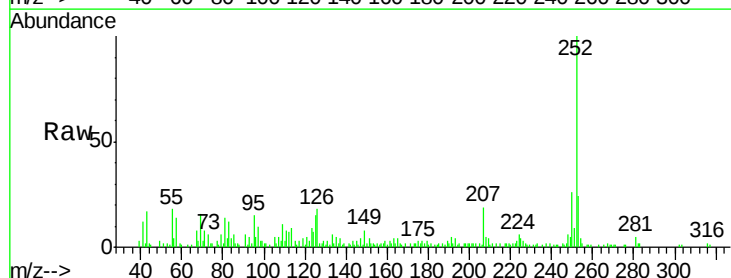
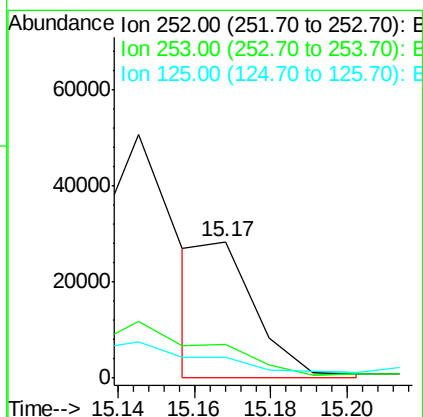
RT: 15.17 min Scan# 1127

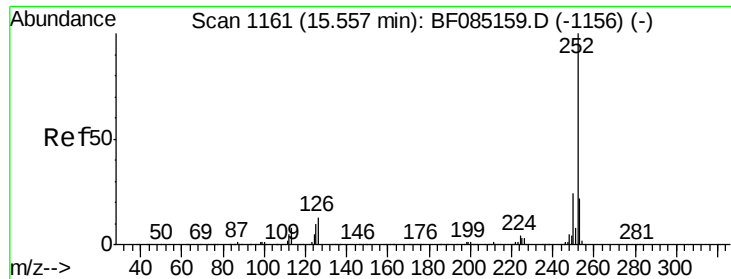
Delta R.T. -0.05 min

Lab File: BF085402.D

Acq: 12 Mar 2016 6:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	15.2	10.4	15.6





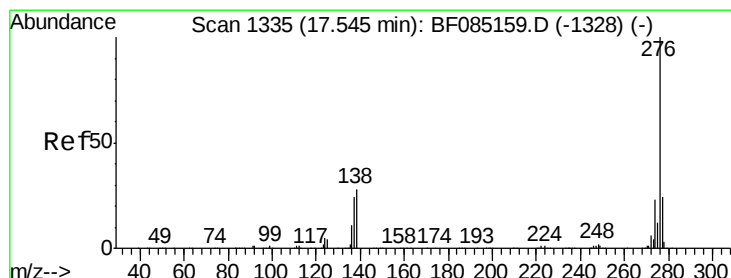
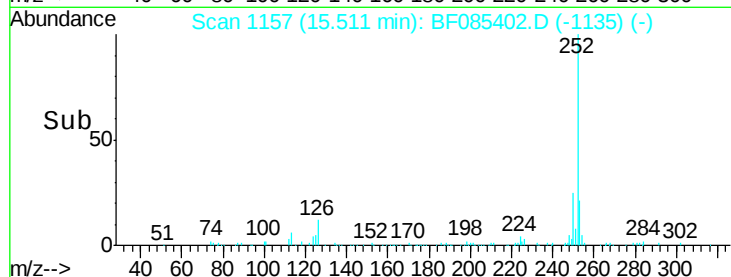
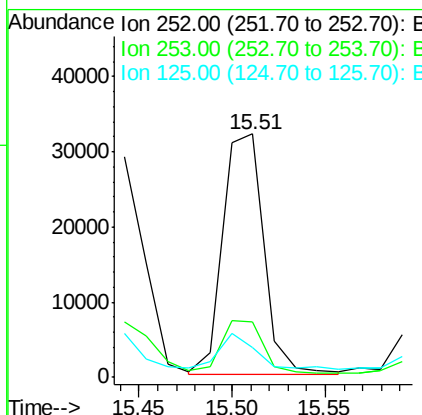
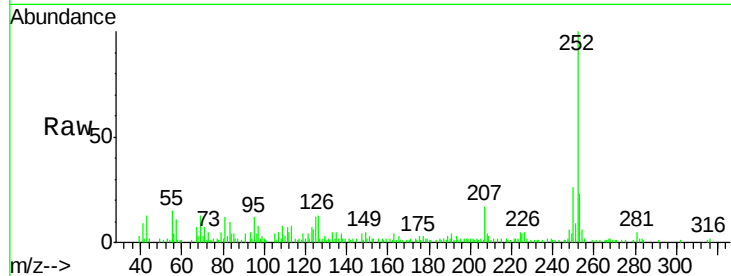
#89
Benzo(a)pyrene
Concen: 3.65 ng
RT: 15.51 min Scan# 1157
Delta R.T. -0.05 min
Lab File: BF085402.D
Acq: 12 Mar 2016 6:39

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-08(0.5-3.0)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	12.2	8.2	12.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.20 ng
RT: 17.47 min Scan# 1328
Delta R.T. -0.08 min
Lab File: BF085402.D
Acq: 12 Mar 2016 6:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.4
138	29.4	22.5	33.7

