

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
 Data File : BF085286.D
 Acq On : 9 Mar 2016 5:35
 Operator : UM/SJ
 Sample : H1703-12
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-53COMP(0.5-2.75)

Manual Integrations
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 3/9/2016 9:31:18 AM

Quant Time: Mar 09 06:09:47 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	6.96	152	151436	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	553050	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	264692	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	447448	20.00	ng	-0.02
75) Chrysene-d12	14.12	240	276628	20.00	ng	-0.03
86) Perylene-d12	15.59	264	277835	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	1047380	116.01	ng	-0.01
7) Phenol-d6	6.58	99	1287269	108.83	ng	-0.02
23) Nitrobenzene-d5	7.52	82	839197	81.20	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	290521	128.27	ng	-0.02
44) 2-Fluorobiphenyl	9.33	172	1456082	83.66	ng	-0.02
78) Terphenyl-d14	13.07	244	919891	77.20	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.72	163	225077	11.08	ng	98
70) Phenanthrene	11.51	178	48300	2.06	ng	95
74) Fluoranthene	12.70	202	75235	3.20	ng	94
77) Pyrene	12.93	202	66317	3.19	ng	95
80) Benzo(a)anthracene	14.11	228	36170	2.18	ng	99
83) Bis(2-ethylhexyl)phthalate	14.09	149	36729	2.95	ng	99
84) Di-n-octyl phthalate	14.71	149	39376	2.08	ng	# 89
87) Benzo(b)fluoranthene	15.16	252	37107m	2.00	ng	
89) Benzo(a)pyrene	15.52	252	31037	2.02	ng	# 93

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

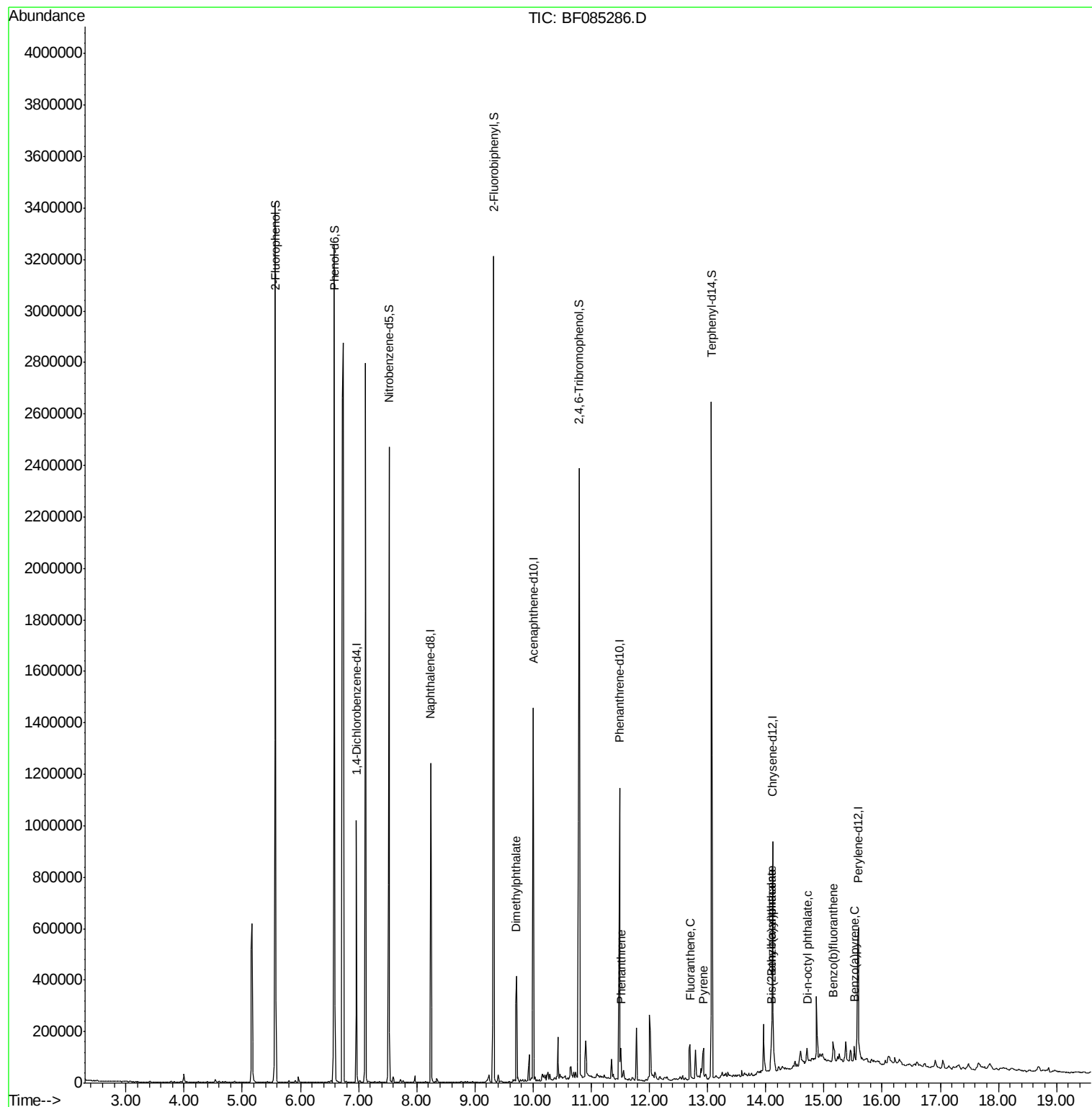
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
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SB-53COMP(0.5-2.75)

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QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.96 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF085286.D

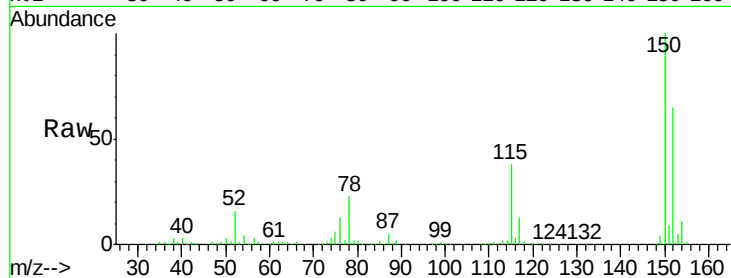
Acq: 9 Mar 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SB-53COMP(0.5-2.75)



Tgt Ion:152 Resp: 151436

Ion Ratio Lower Upper

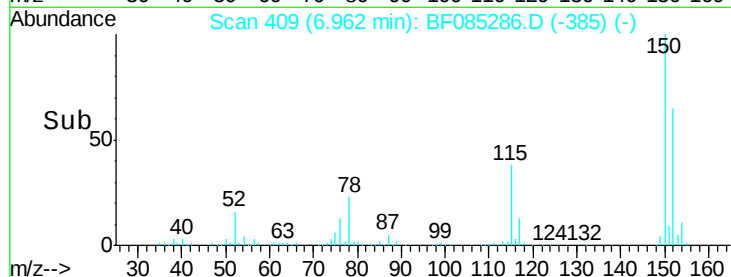
152 100

150 154.8 124.6 186.8

115 59.2 46.6 70.0

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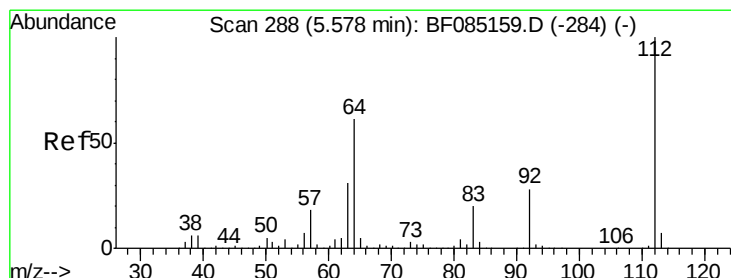
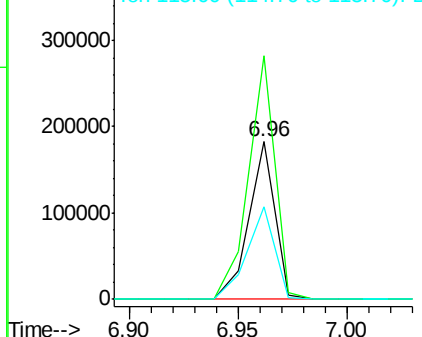
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 116.01 ng

RT: 5.57 min Scan# 287

Delta R.T. -0.01 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

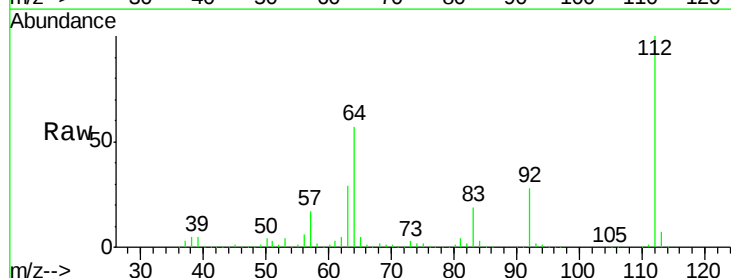
Tgt Ion:112 Resp: 1047380

Ion Ratio Lower Upper

112 100

64 57.0 49.0 73.4

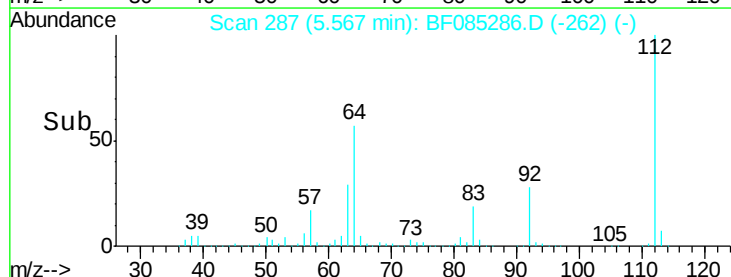
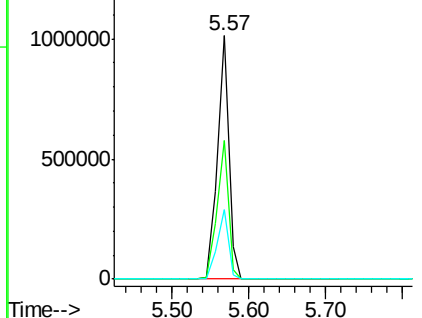
63 28.7 24.8 37.2



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: 108.83 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085286.D

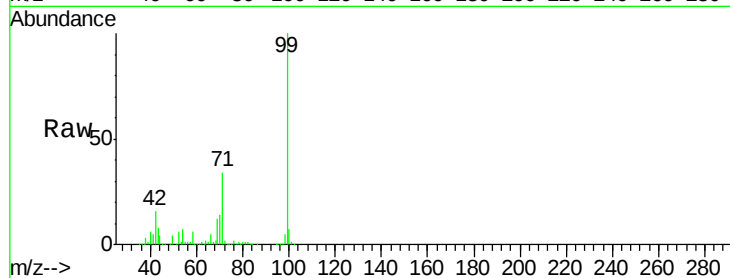
Acq: 9 Mar 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SB-53COMP(0.5-2.75)



Tgt Ion: 99 Resp: 1287269

Ion Ratio Lower Upper

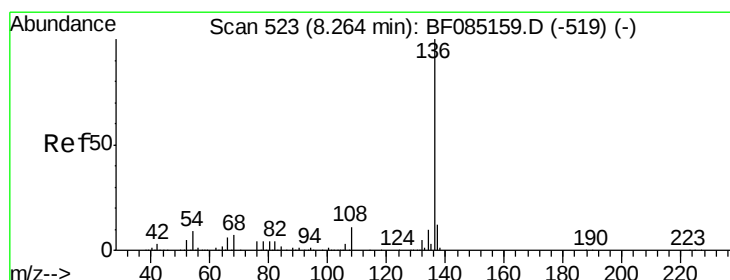
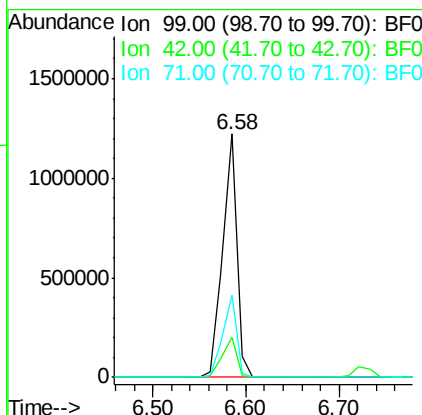
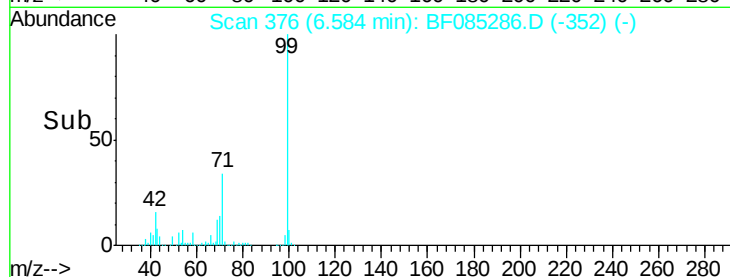
99 100

42 16.2 13.6 20.4

71 33.7 26.7 40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.24 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

Tgt Ion: 136 Resp: 553050

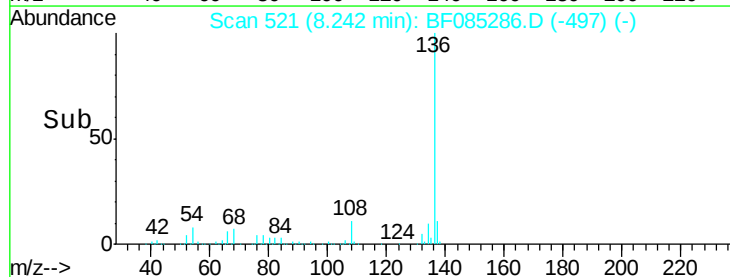
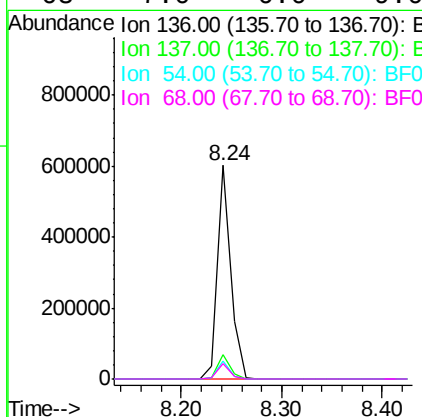
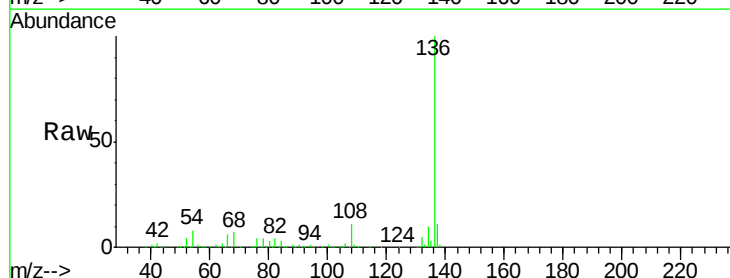
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 8.4 7.4 11.2

68 7.0 6.0 9.0





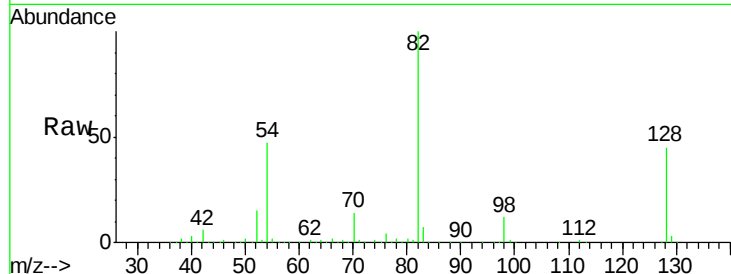
#23
 Nitrobenzene-d5
 Concen: 81.20 ng
 RT: 7.52 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF085286.D
 Acq: 9 Mar 2016 5:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-53COMP(0.5-2.75)

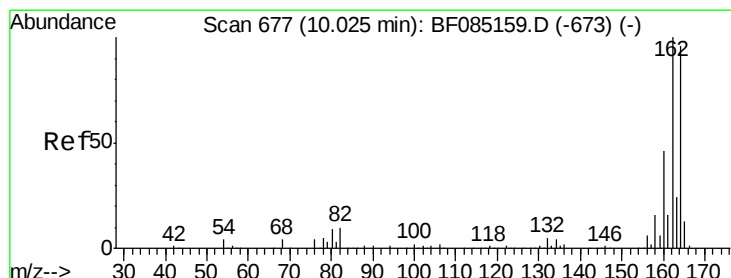
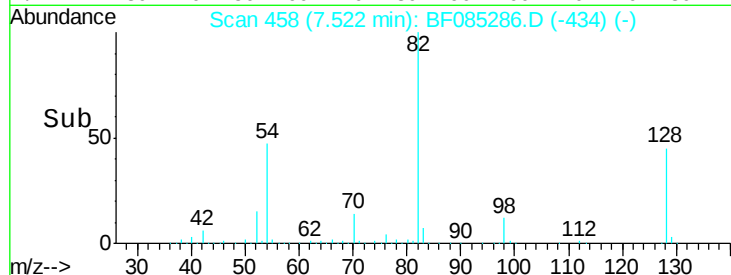
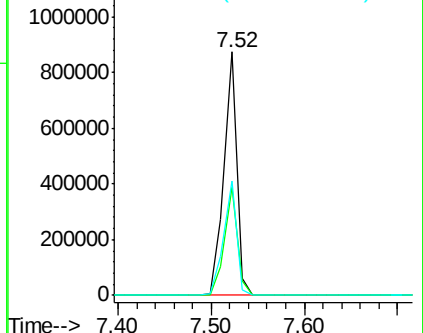
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.5	51.7
54	46.9	39.3	58.9

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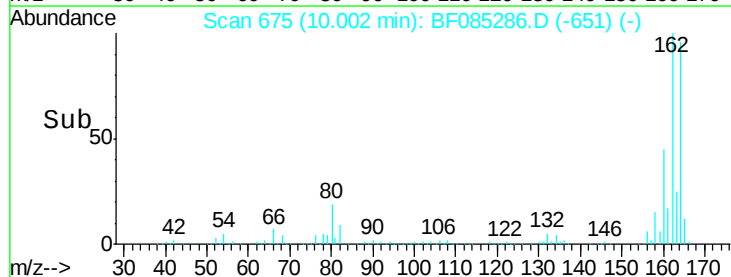
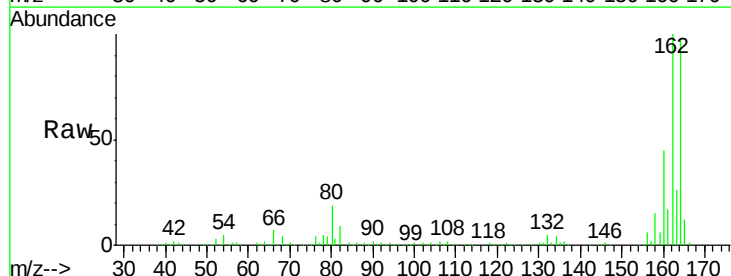
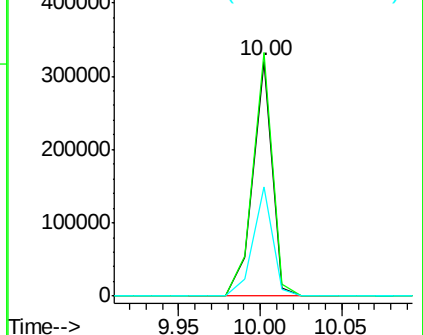
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.00 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: BF085286.D
 Acq: 9 Mar 2016 5:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	83.3	124.9
160	46.6	37.9	56.9

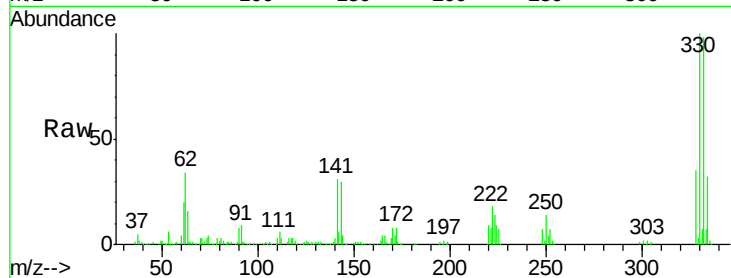
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





#41
 2,4,6-Tribromophenol
 Concen: 128.27 ng
 RT: 10.79 min Scan# 744
 Delta R.T. -0.02 min
 Lab File: BF085286.D
 Acq: 9 Mar 2016 5:35

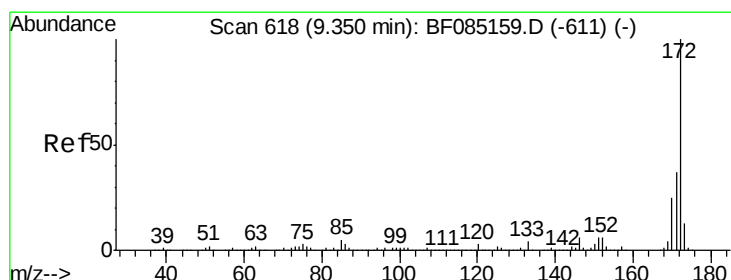
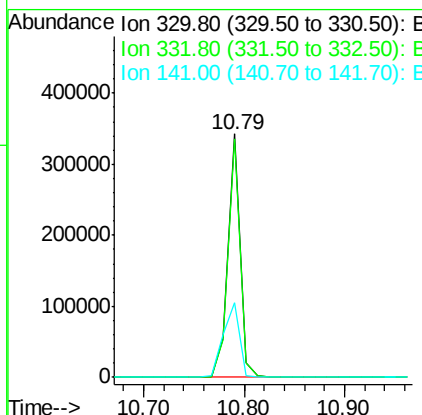
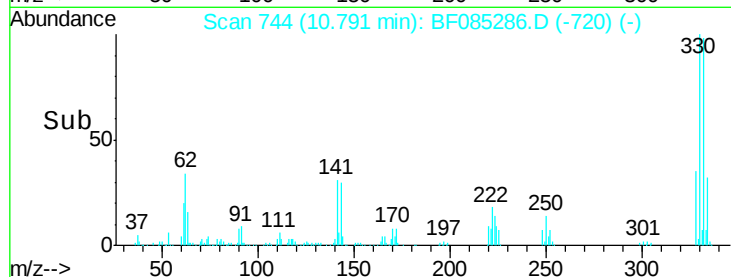
Instrument :
 BNA_F
 ClientSampleId :
 SB-53COMP(0.5-2.75)



Tgt Ion	Ratio	Resp	Lower	Upper
330	100	290521		
332	97.7	77.1	115.7	
141	40.4	35.0	52.6	

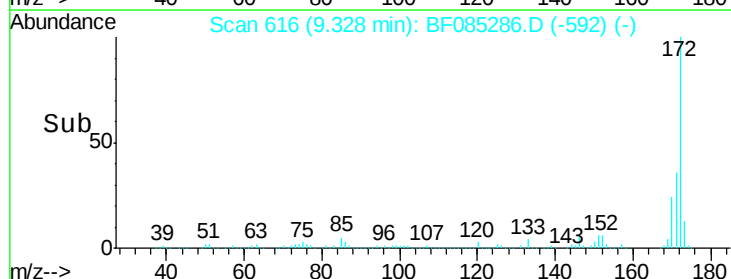
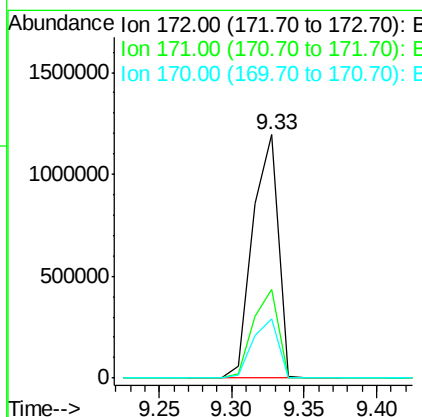
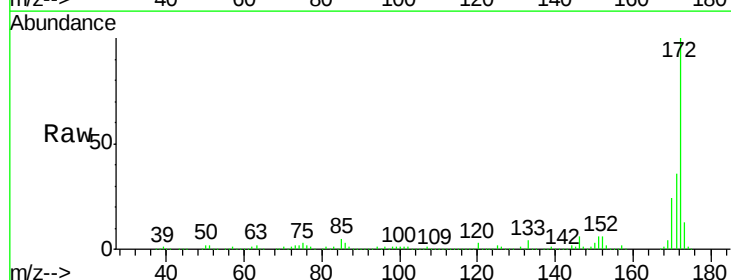
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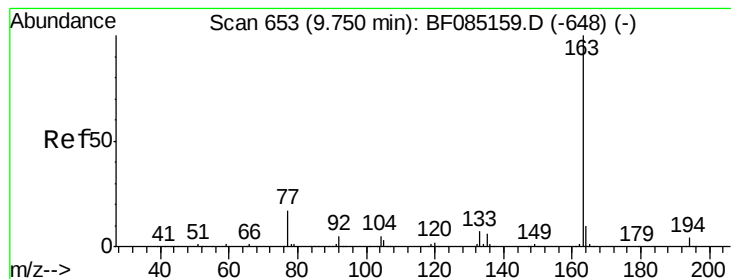
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#44
 2-Fluorobiphenyl
 Concen: 83.66 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085286.D
 Acq: 9 Mar 2016 5:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1456082		
171	36.3	29.3	43.9	
170	24.2	20.0	30.0	





#49

Dimethylphthalate

Concen: 11.08 ng

RT: 9.72 min Scan# 650

Delta R.T. -0.03 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

Instrument :

BNA_F

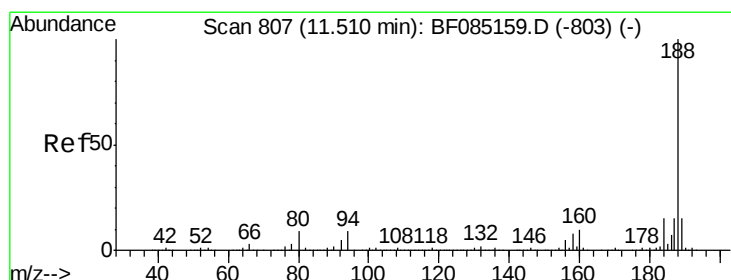
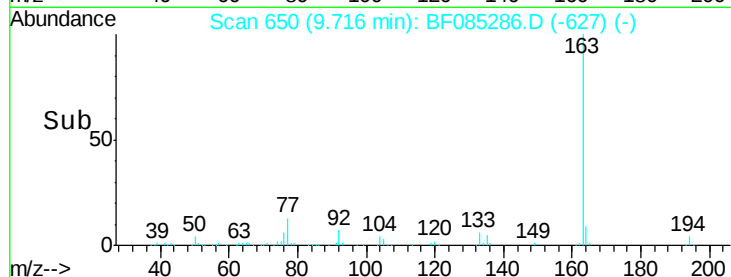
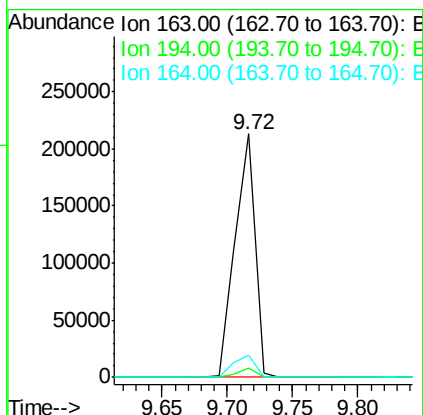
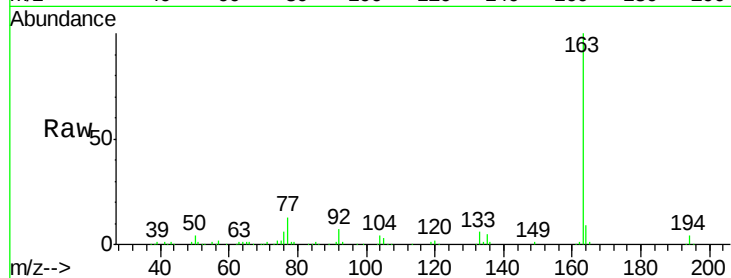
ClientSampleId :

SB-53COMP(0.5-2.75)

Tgt Ion:	163	Resp:	225077
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.1	4.7
164	9.2	8.2	12.4

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#63

Phenanthrene-d10

Concen: 20.00 ng

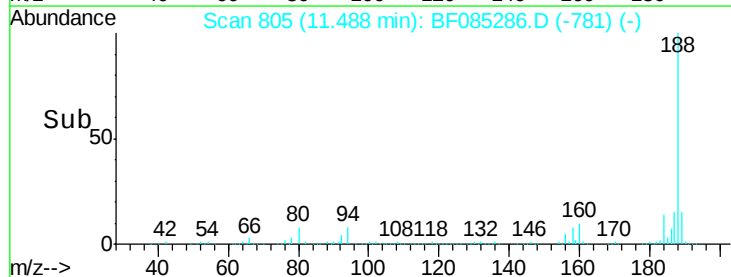
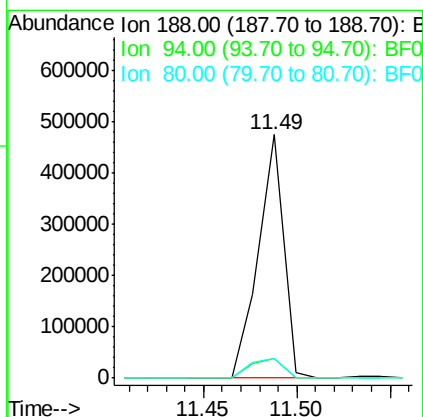
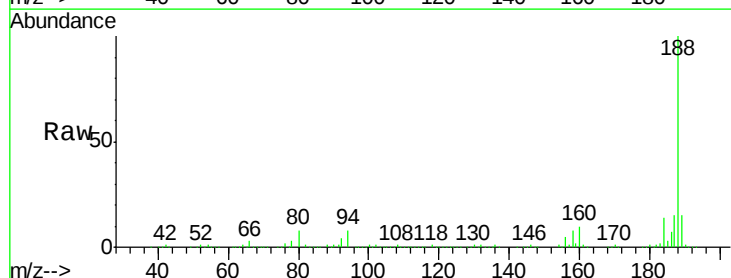
RT: 11.49 min Scan# 805

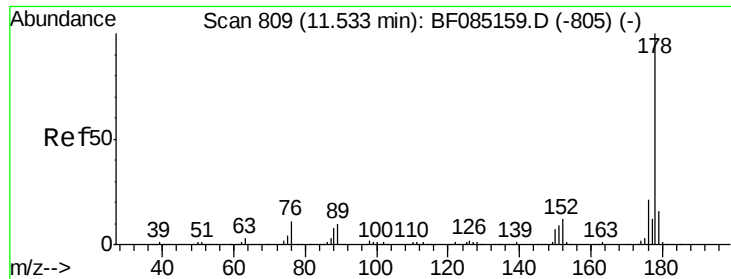
Delta R.T. -0.02 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

Tgt Ion:	188	Resp:	447448
Ion Ratio	Lower	Upper	
188	100		
94	8.1	7.0	10.6
80	8.1	7.4	11.0





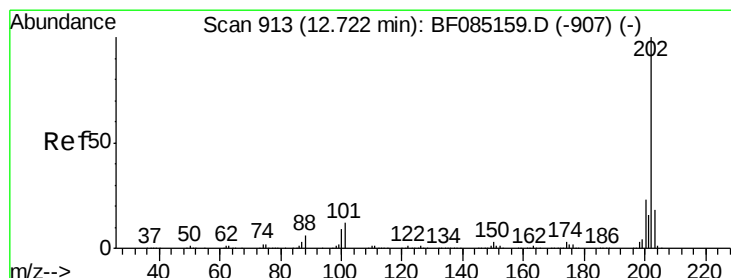
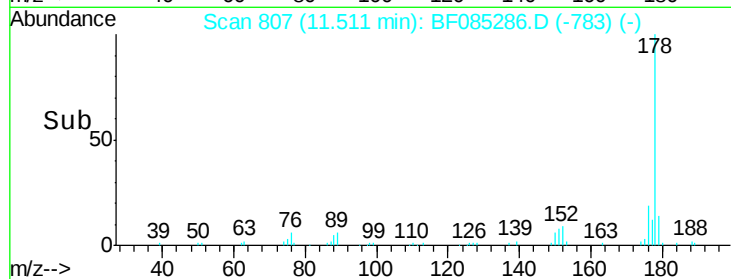
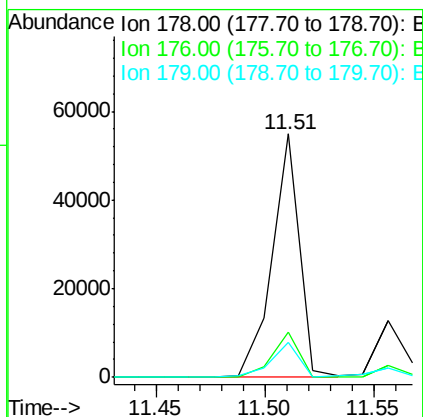
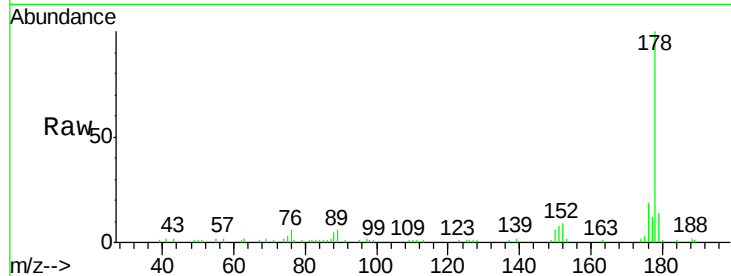
#70
Phenanthrene
Concen: 2.06 ng
RT: 11.51 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF085286.D
Acq: 9 Mar 2016 5:35

Instrument :
BNA_F
ClientSampleId :
SB-53COMP(0.5-2.75)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.8	25.2
179	14.4	13.1	19.7

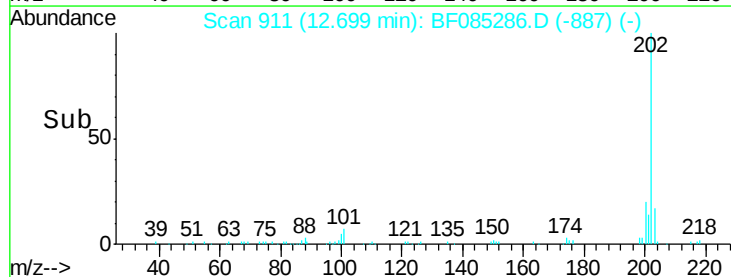
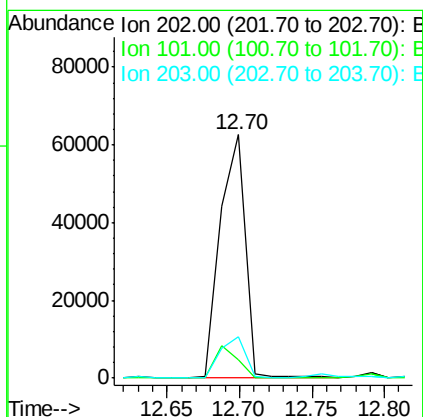
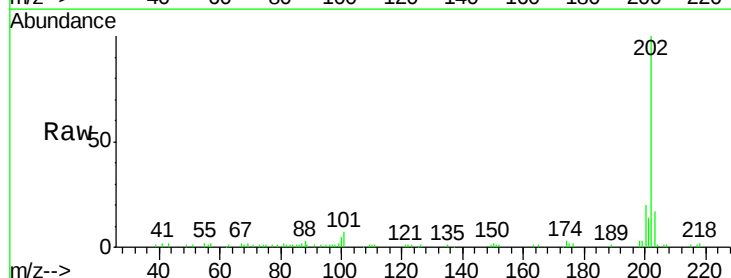
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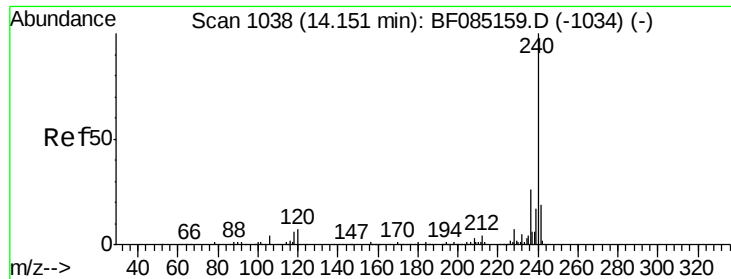
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#74
Fluoranthene
Concen: 3.20 ng
RT: 12.70 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF085286.D
Acq: 9 Mar 2016 5:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	31.8
203	17.0	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

Instrument :

BNA_F

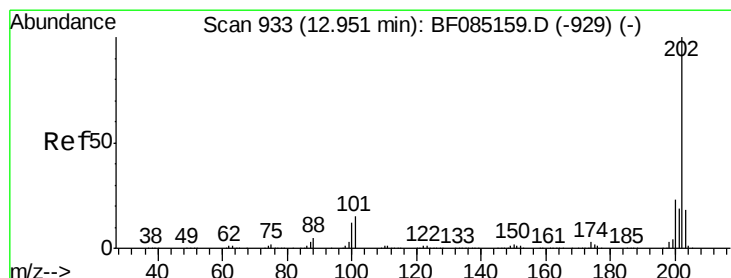
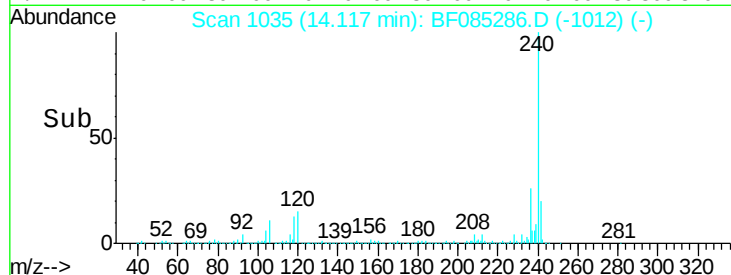
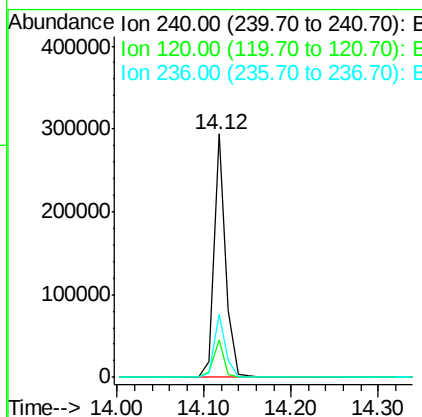
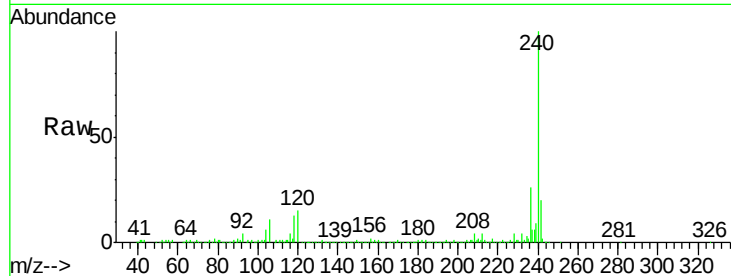
ClientSampleId :

SB-53COMP(0.5-2.75)

Tgt Ion:	240	Resp:	276628
Ion Ratio	Lower	Upper	
240	100		
120	15.4	5.3	7.9#
236	25.9	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 3.19 ng

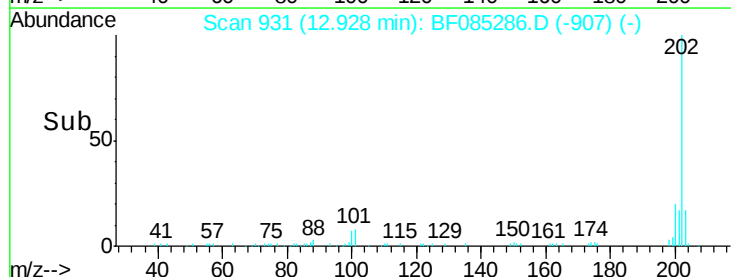
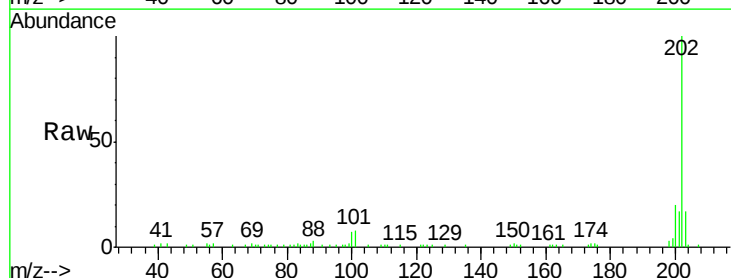
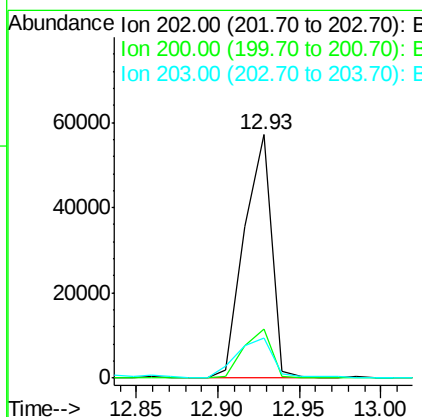
RT: 12.93 min Scan# 931

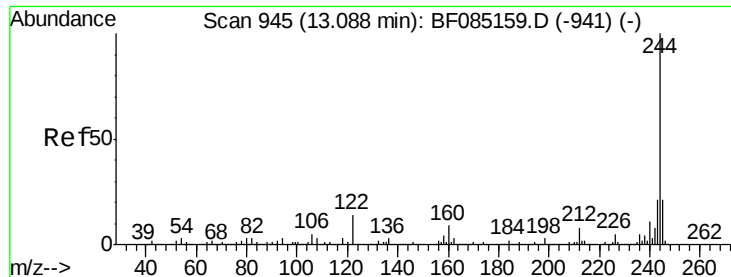
Delta R.T. -0.02 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

Tgt Ion:	202	Resp:	66317
Ion Ratio	Lower	Upper	
202	100		
200	20.0	18.2	27.4
203	16.7	14.7	22.1





#78

Terphenyl-d14

Concen: 77.20 ng

RT: 13.07 min Scan# 943

Delta R.T. -0.02 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

Instrument :

BNA_F

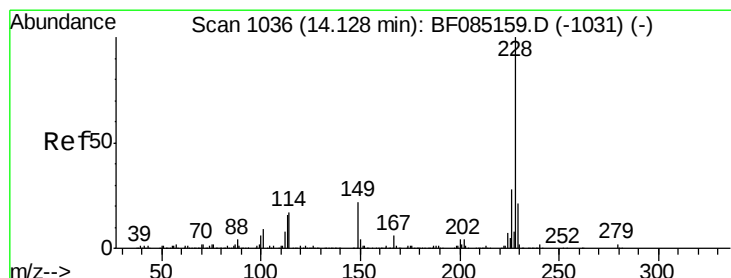
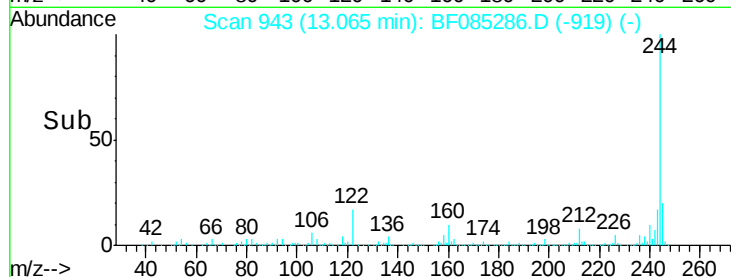
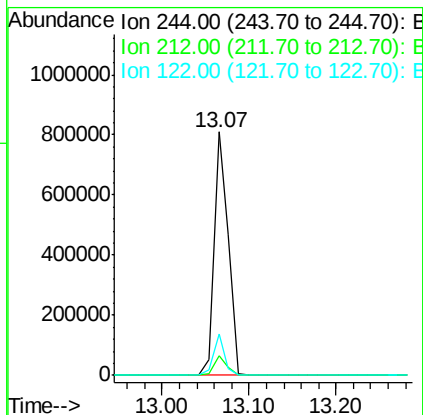
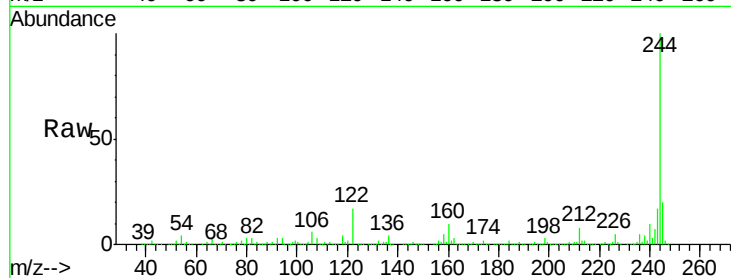
ClientSampleId :

SB-53COMP(0.5-2.75)

Tgt Ion:	244	Resp:	919891
Ion Ratio	Lower	Upper	
244	100		
212	8.0	6.4	9.6
122	17.0	11.4	17.2

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#80

Benzo(a)anthracene

Concen: 2.18 ng

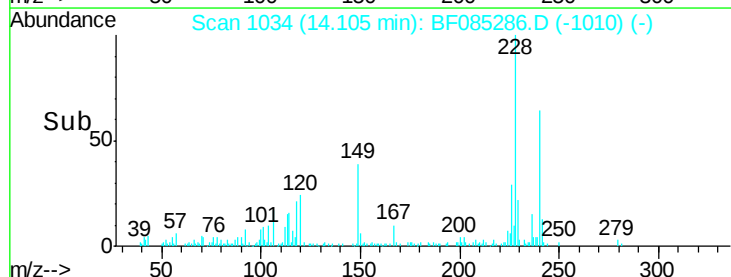
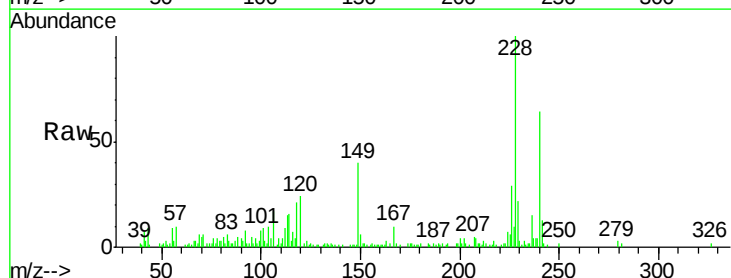
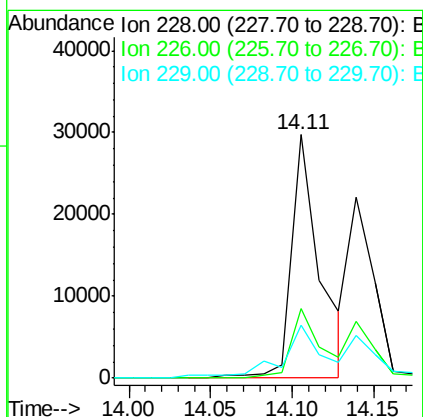
RT: 14.11 min Scan# 1034

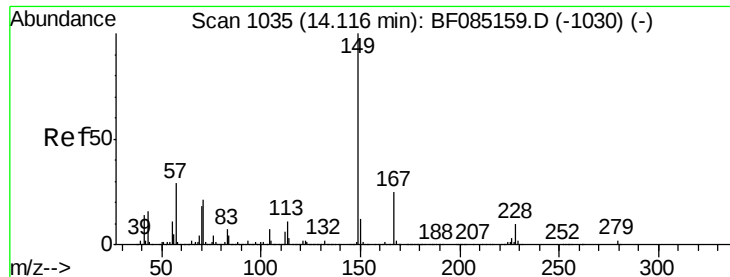
Delta R.T. -0.02 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

Tgt Ion:	228	Resp:	36170
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.8	34.2
229	21.5	16.6	24.8





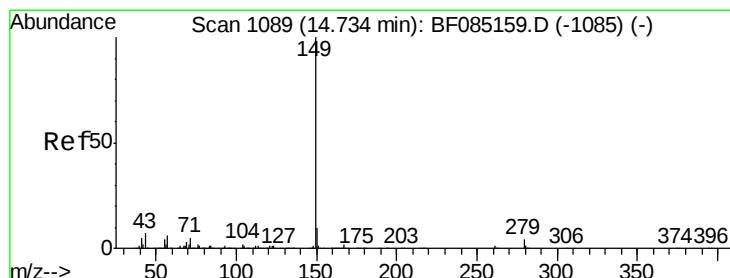
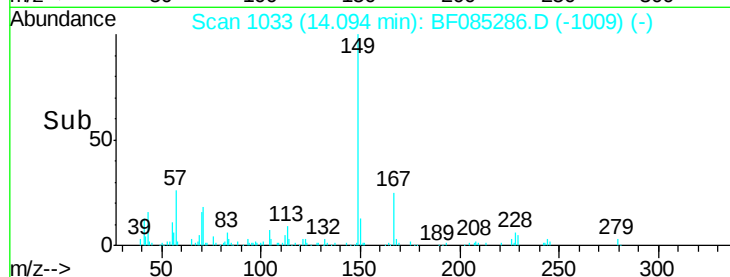
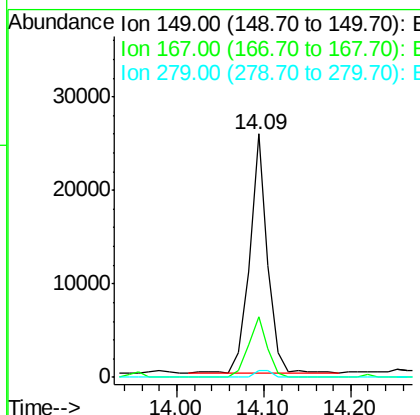
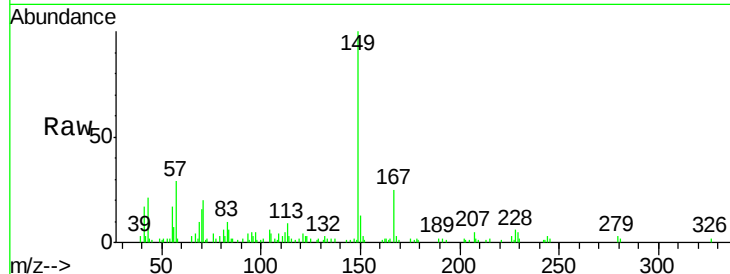
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.95 ng
 RT: 14.09 min Scan# 1033
 Delta R.T. -0.02 min
 Lab File: BF085286.D
 Acq: 9 Mar 2016 5:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-53COMP(0.5-2.75)

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	36729		
167	25.0	20.3	30.5	
279	2.8	1.9	2.9	

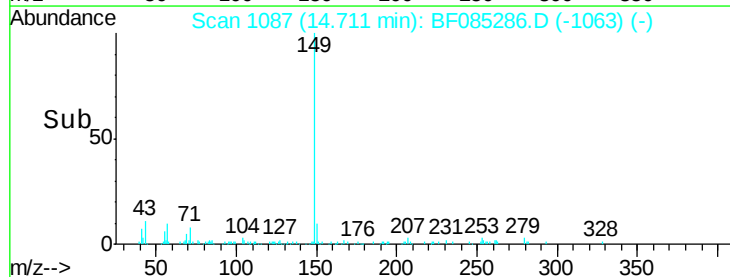
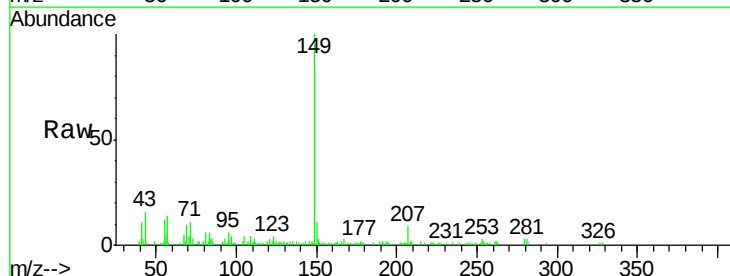
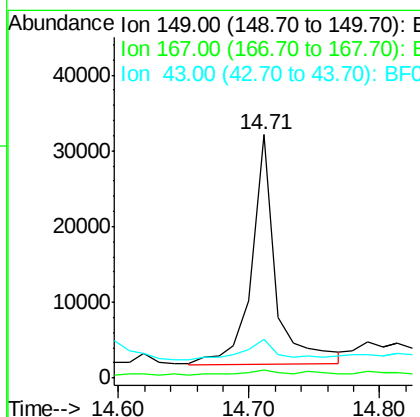
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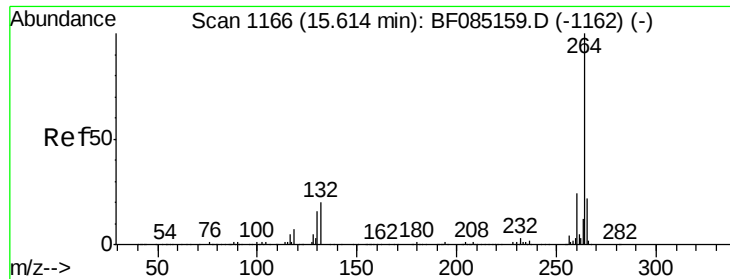
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#84
 Di-n-octyl phthalate
 Concen: 2.08 ng
 RT: 14.71 min Scan# 1087
 Delta R.T. -0.02 min
 Lab File: BF085286.D
 Acq: 9 Mar 2016 5:35

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	39376		
167	4.5	1.1	1.7#	
43	14.0	7.8	11.8#	





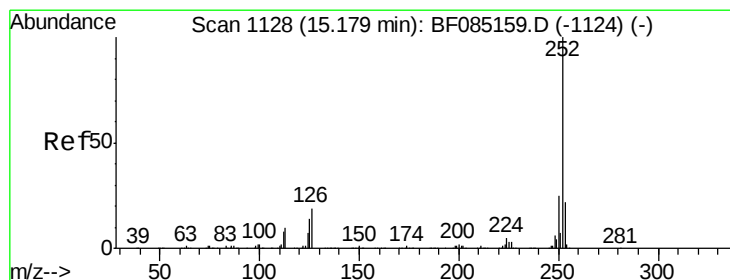
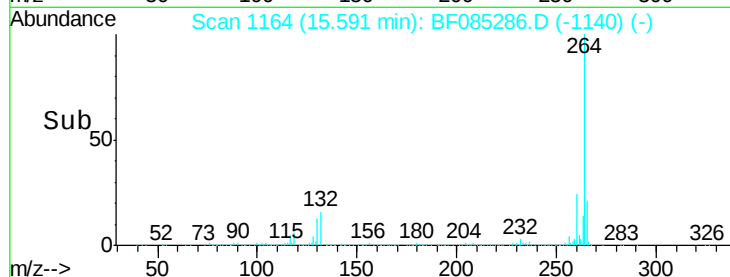
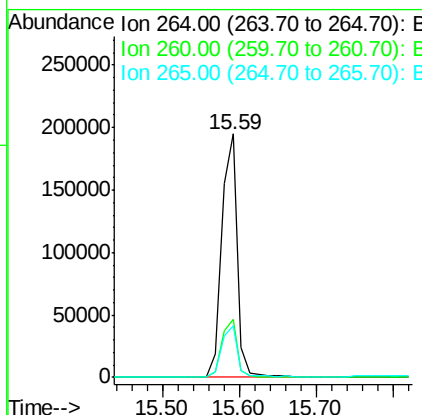
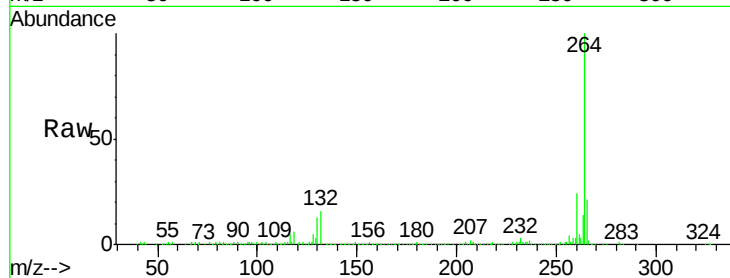
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.59 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF085286.D
Acq: 9 Mar 2016 5:35

Instrument :
BNA_F
ClientSampleId :
SB-53COMP(0.5-2.75)

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	277835		
260	23.9		19.2	28.8
265	20.9		17.3	25.9

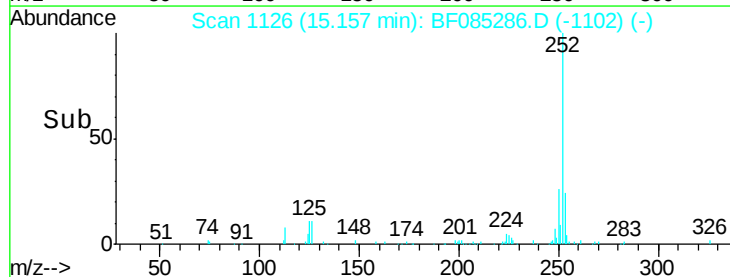
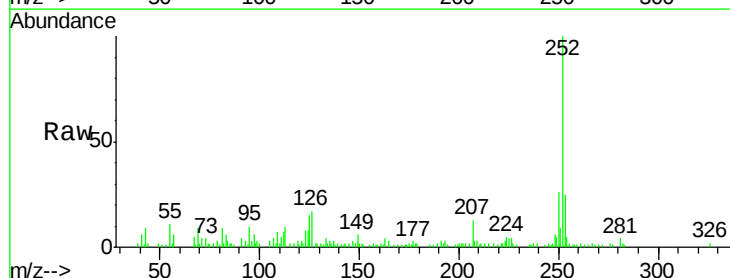
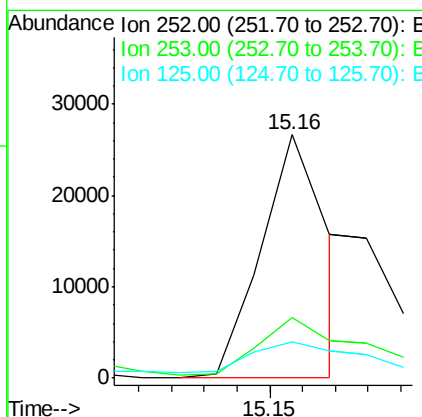
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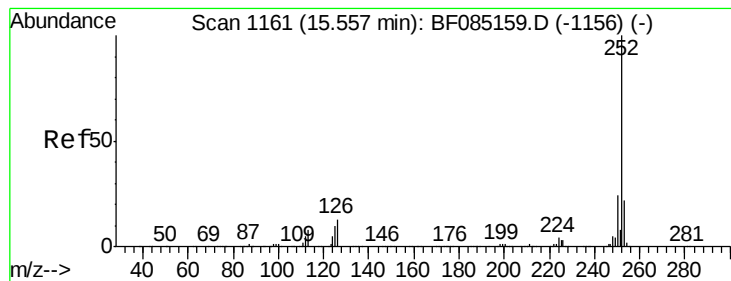
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#87
Benzo(b)fluoranthene
Concen: 2.00 ng m
RT: 15.16 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BF085286.D
Acq: 9 Mar 2016 5:35

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	37107		
253	24.8		17.8	26.6
125	14.9		11.3	16.9





#89

Benzo(a)pyrene

Concen: 2.02 ng

RT: 15.52 min Scan# 1158

Delta R.T. -0.03 min

Lab File: BF085286.D

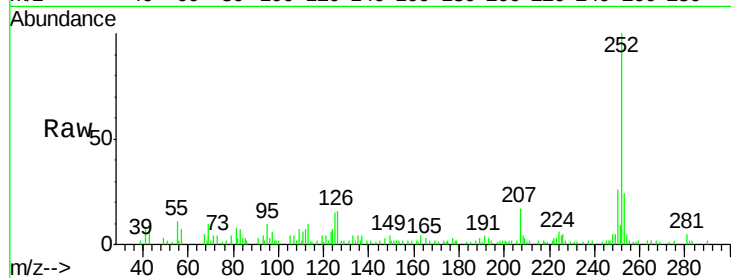
Acq: 9 Mar 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SB-53COMP(0.5-2.75)



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	14.7	8.2	12.4

Manual Integrations
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