

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
 Data File : BF085685.D
 Acq On : 23 Mar 2016 4:36
 Operator : UM/SJ
 Sample : H1886-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Manual Integrations
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Sohil
 3/23/2016 1:30:17 PM

Quant Time: Mar 23 05:01:06 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	128212	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	564540	20.00	ng	-0.02
38) Acenaphthene-d10	9.86	164	245567	20.00	ng	-0.03
63) Phenanthrene-d10	11.35	188	471724	20.00	ng	-0.03
75) Chrysene-d12	13.98	240	267927	20.00	ng	-0.03
86) Perylene-d12	15.40	264	242942	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	758944	99.43	ng	-0.02
7) Phenol-d6	6.47	99	1150719	117.54	ng	-0.02
23) Nitrobenzene-d5	7.40	82	644307	66.25	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	268987	111.82	ng	-0.02
44) 2-Fluorobiphenyl	9.19	172	955847	62.03	ng	-0.03
78) Terphenyl-d14	12.94	244	834692	74.97	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.59	163	220770	11.91	ng	99
70) Phenanthrene	11.37	178	130287	5.24	ng	98
74) Fluoranthene	12.56	202	129696	4.98	ng	89
77) Pyrene	12.79	202	137418	7.14	ng	99
80) Benzo(a)anthracene	13.97	228	110324	7.09	ng	98
82) Chrysene	14.00	228	92055m	6.15	ng	
85) Indeno(1,2,3-cd)pyrene	16.78	276	49872	3.99	ng	# 89
87) Benzo(b)fluoranthene	15.00	252	91354m	5.76	ng	
88) Benzo(k)fluoranthene	15.01	252	27314m	2.09	ng	
89) Benzo(a)pyrene	15.34	252	90832	6.76	ng	95
90) Dibenzo(a,h)anthracene	16.79	278	40306	3.60	ng	# 88
91) Benzo(g,h,i)perylene	17.19	276	81588	7.52	ng	98

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

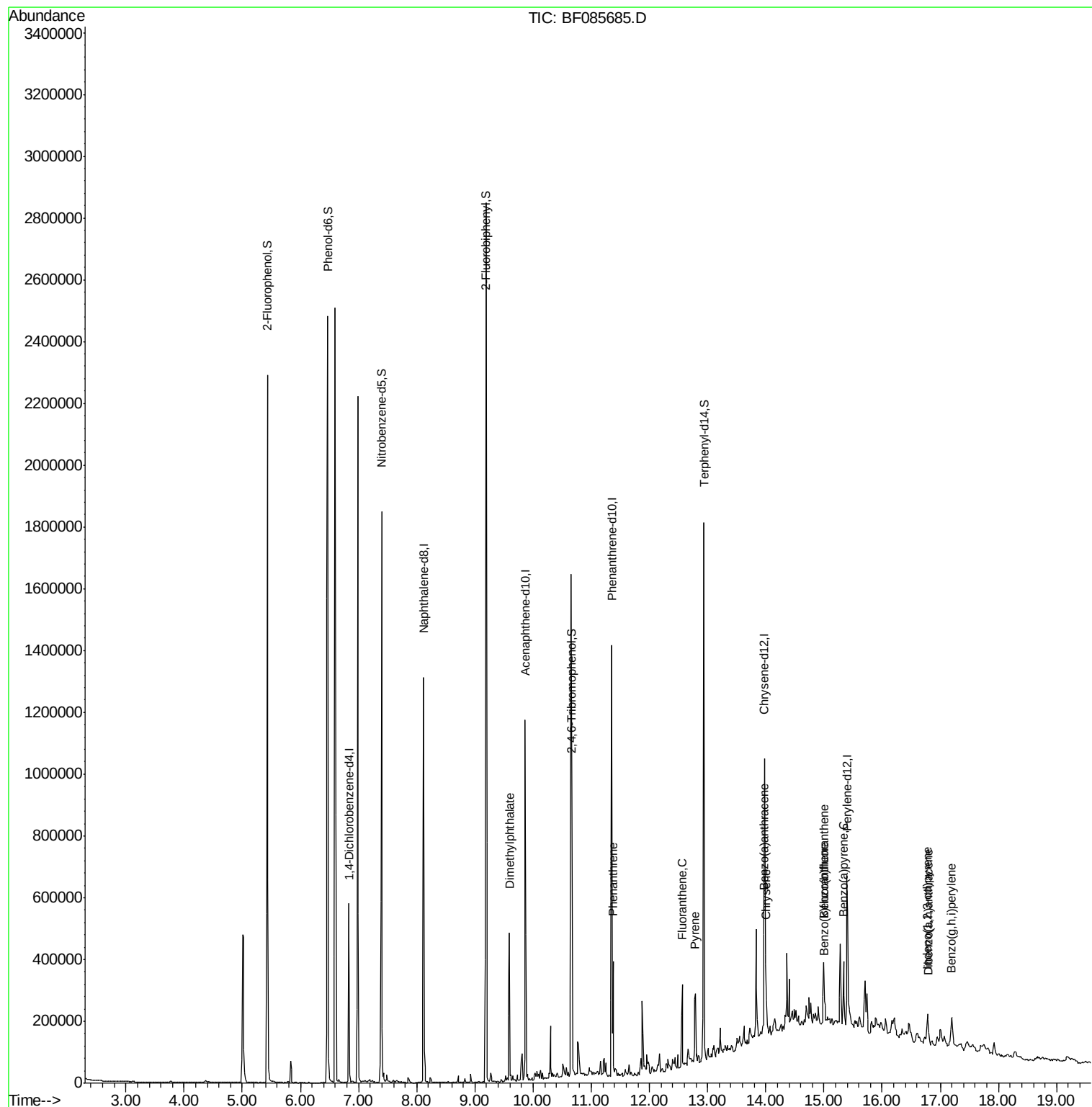
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
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Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

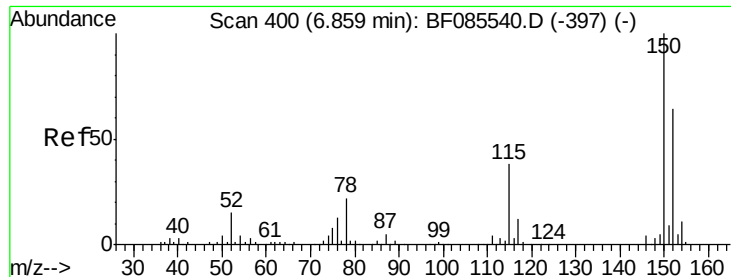
Instrument :
BNA_F
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SP-5

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Quant Time: Mar 23 05:01:06 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. -0.02 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

Instrument :

BNA_F

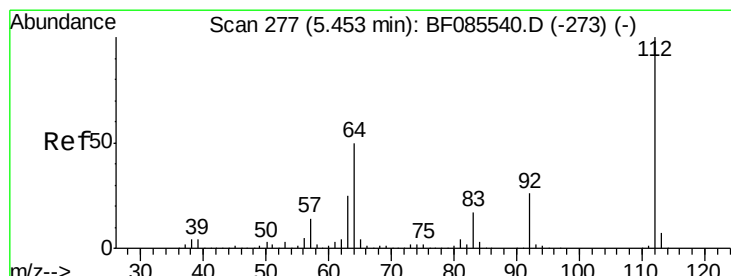
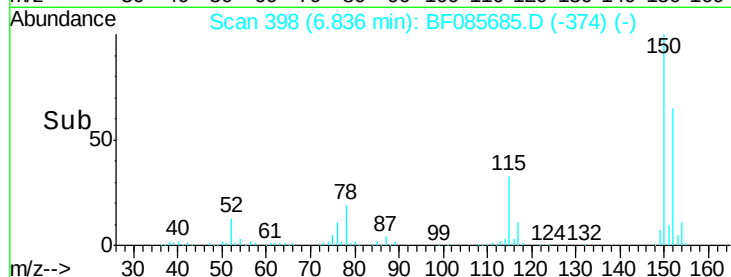
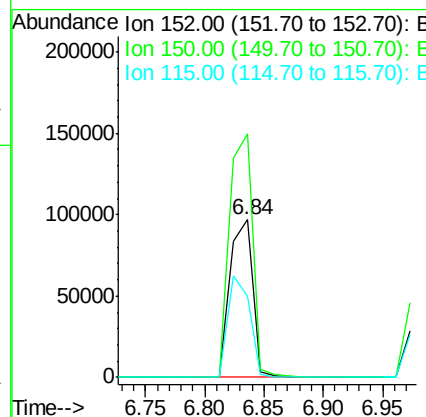
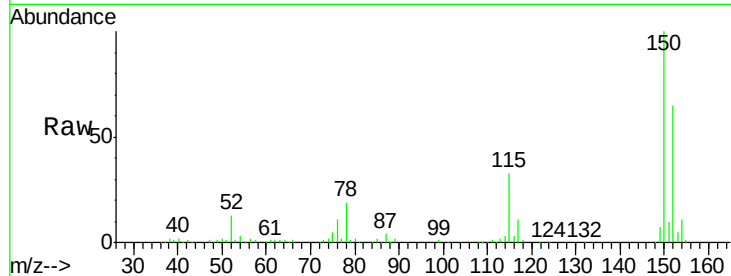
ClientSampleId :

SP-5

Tgt Ion:	152	Resp:	128212
Ion Ratio	Lower	Upper	
152	100		
150	154.5	124.2	186.2
115	51.6	47.0	70.6

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#5

2-Fluorophenol

Concen: 99.43 ng

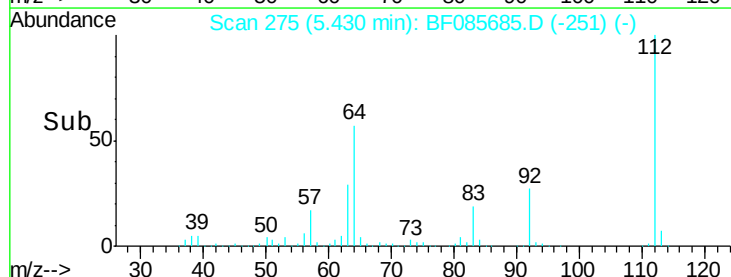
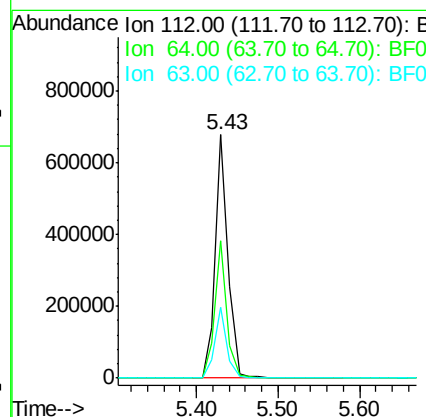
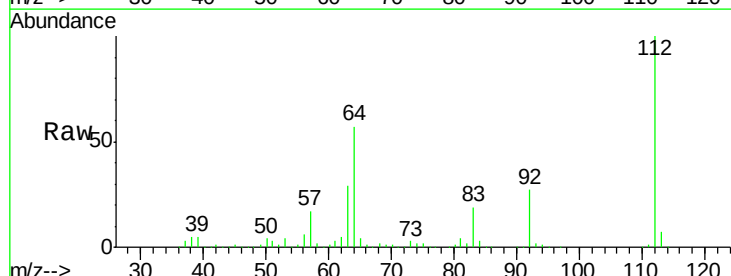
RT: 5.43 min Scan# 275

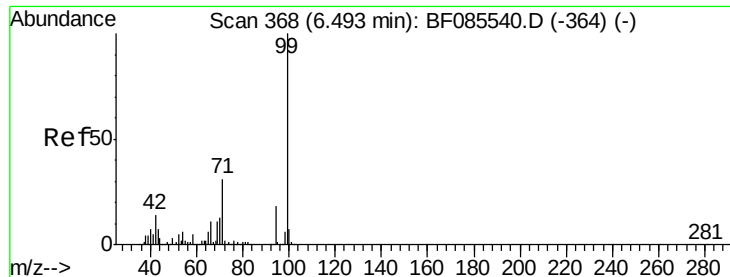
Delta R.T. -0.02 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

Tgt Ion:	112	Resp:	758944
Ion Ratio	Lower	Upper	
112	100		
64	56.7	39.9	59.9
63	29.1	20.2	30.2





#7

Phenol-d6

Concen: 117.54 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

Instrument :

BNA_F

ClientSampled :

SP-5

Tgt Ion: 99 Resp: 1150719

Ion Ratio Lower Upper

99 100

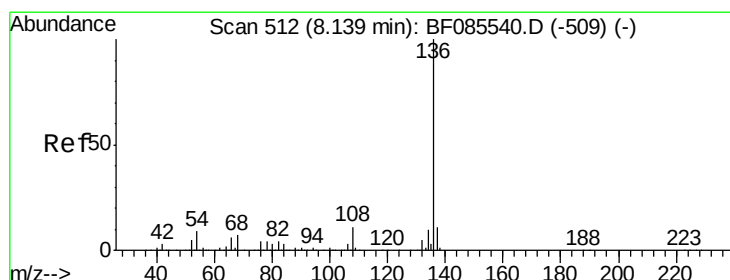
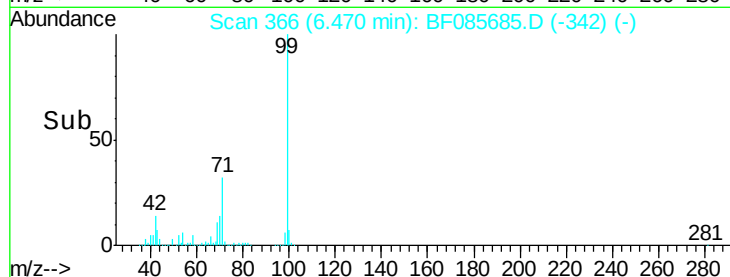
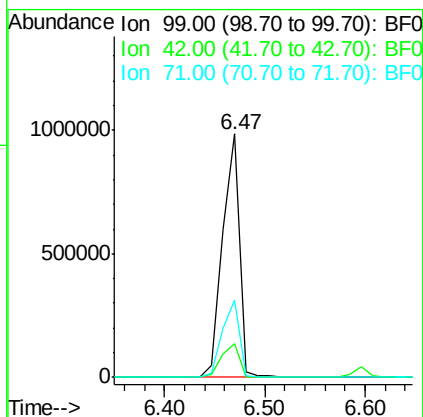
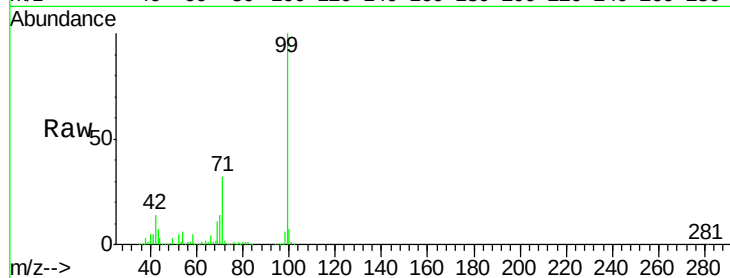
42 13.8 11.1 16.7

71 31.6 24.9 37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 510

Delta R.T. -0.02 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

Tgt Ion: 136 Resp: 564540

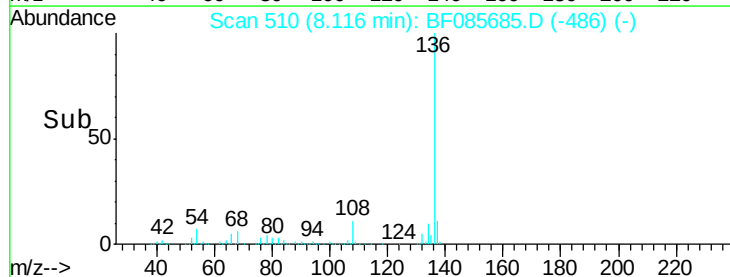
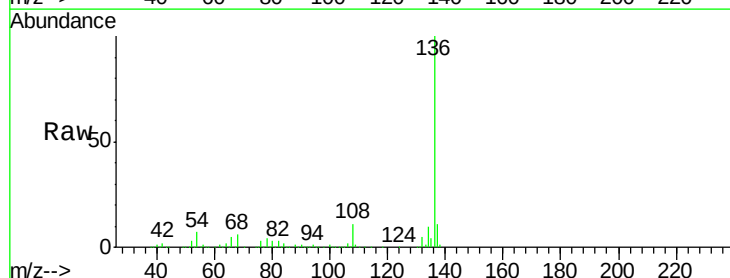
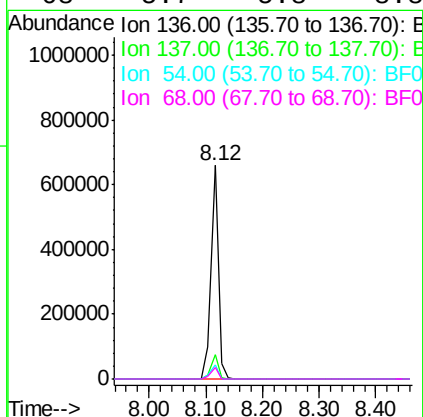
Ion Ratio Lower Upper

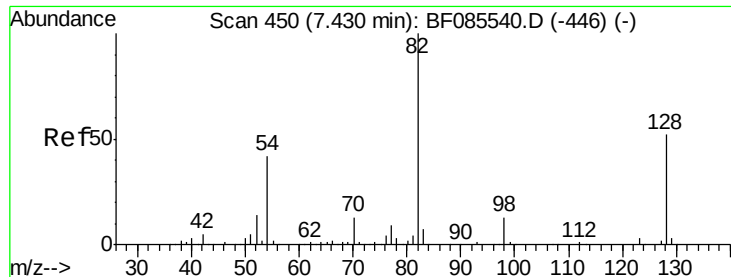
136 100

137 11.2 9.1 13.7

54 6.7 7.4 11.0#

68 5.7 5.8 8.8#





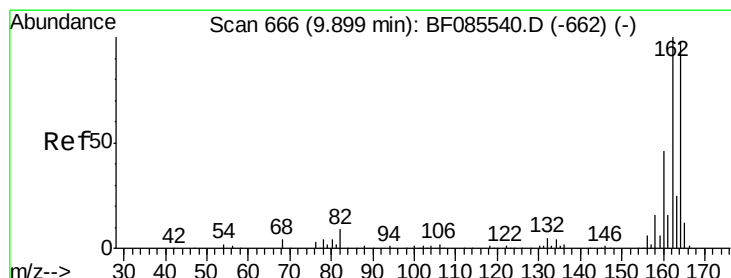
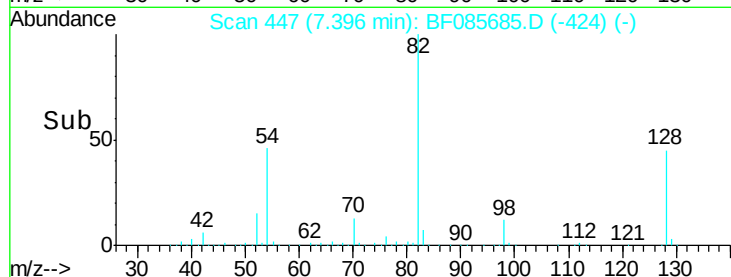
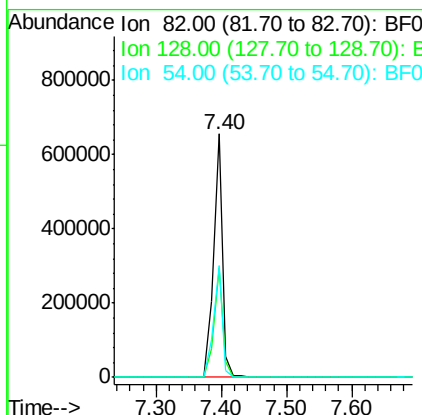
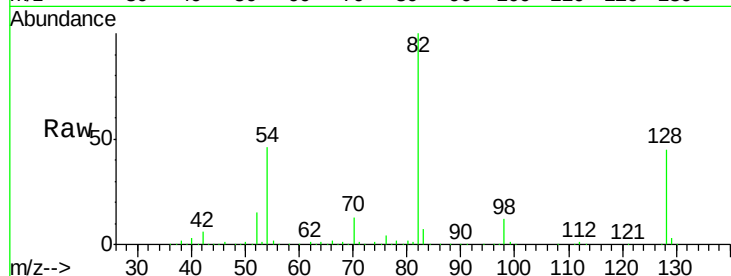
#23
 Nitrobenzene-d5
 Concen: 66.25 ng
 RT: 7.40 min Scan# 447
 Delta R.T. -0.03 min
 Lab File: BF085685.D
 Acq: 23 Mar 2016 4:36

Instrument :
 BNA_F
 ClientSampled :
 SP-5

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	644307		
128	44.7	41.8	62.8	
54	45.8	33.4	50.0	

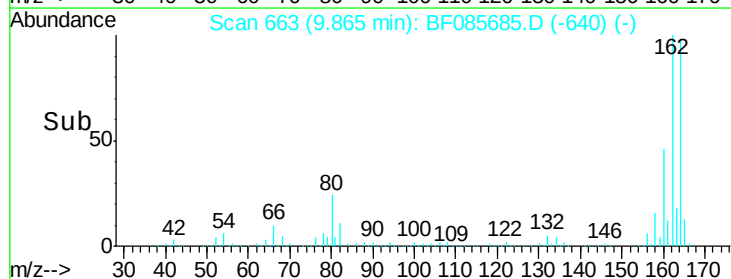
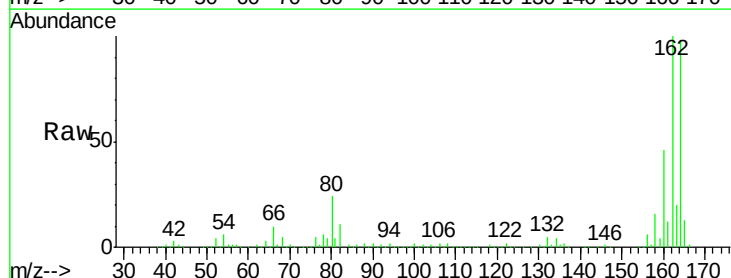
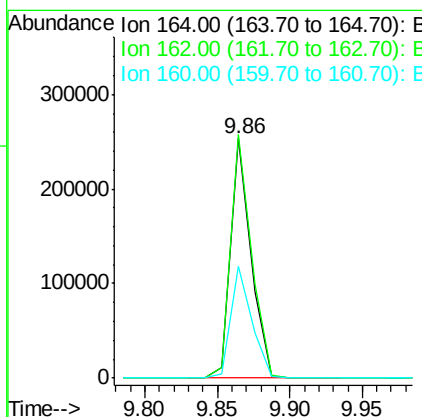
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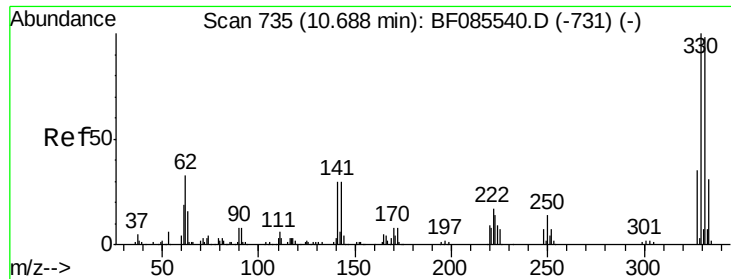
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.03 min
 Lab File: BF085685.D
 Acq: 23 Mar 2016 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	245567		
162	101.7	82.1	123.1	
160	46.5	37.4	56.2	





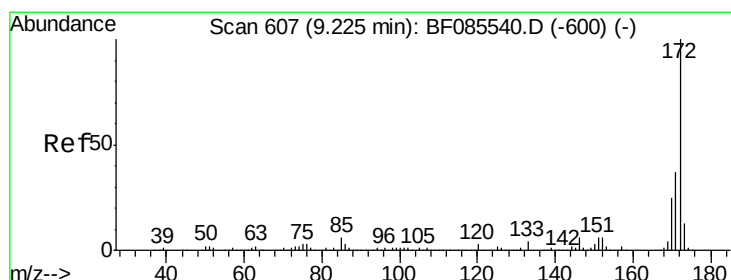
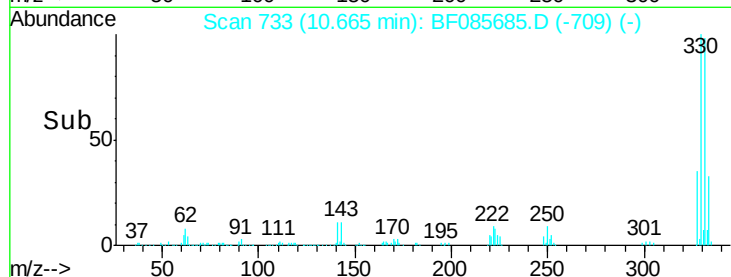
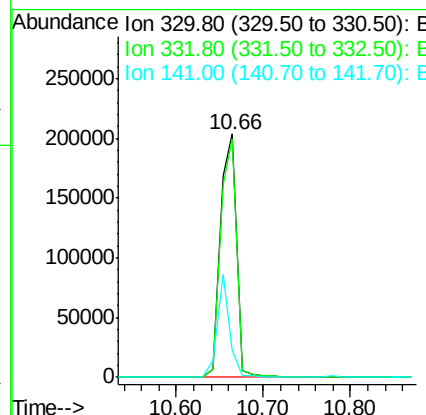
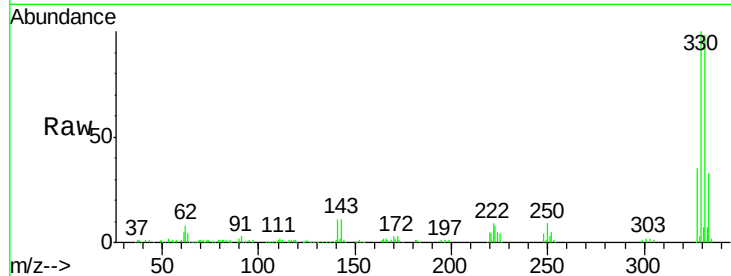
#41
 2,4,6-Tribromophenol
 Concen: 111.82 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.02 min
 Lab File: BF085685.D
 Acq: 23 Mar 2016 4:36

Instrument :
 BNA_F
 ClientSampled :
 SP-5

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	268987		
332	96.8	78.2	117.2	
141	33.1	31.5	47.3	

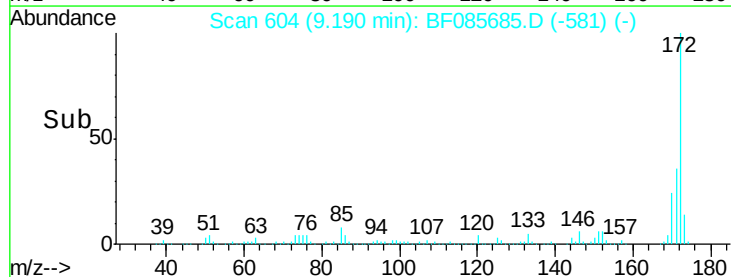
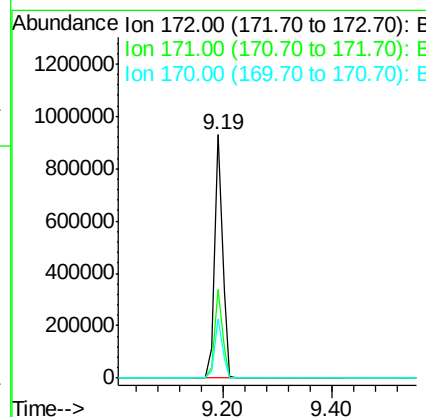
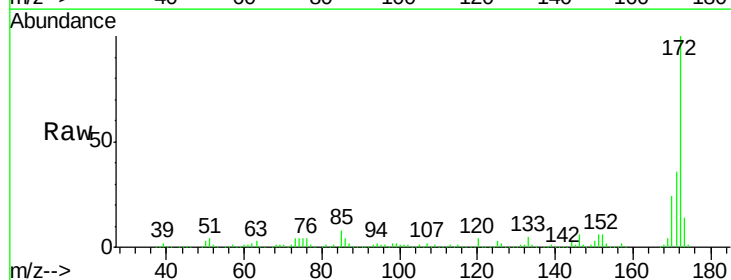
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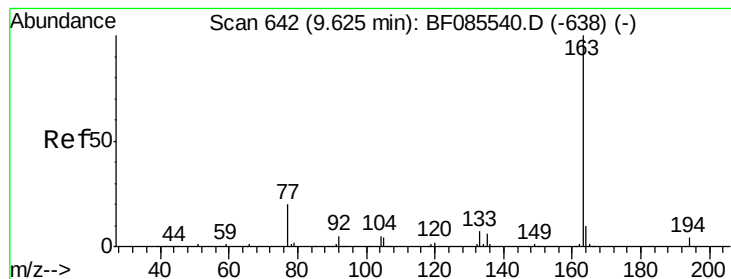
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#44
 2-Fluorobiphenyl
 Concen: 62.03 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.03 min
 Lab File: BF085685.D
 Acq: 23 Mar 2016 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	955847		
171	36.4	29.4	44.2	
170	24.5	19.8	29.6	





#49

Dimethylphthalate

Concen: 11.91 ng

RT: 9.59 min Scan# 639

Delta R.T. -0.03 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

Instrument :

BNA_F

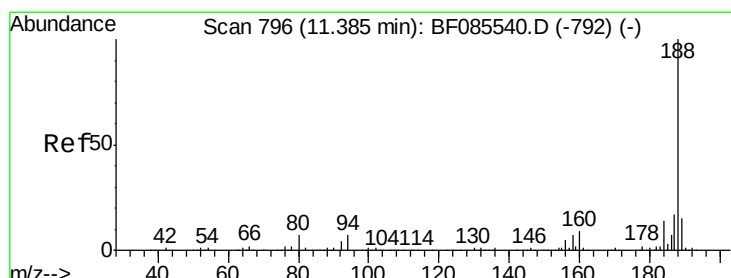
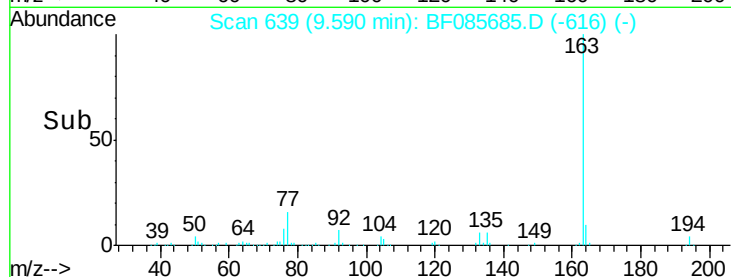
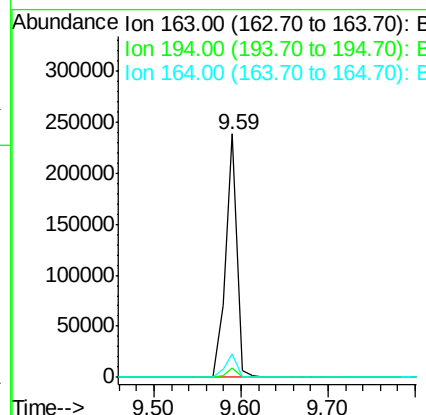
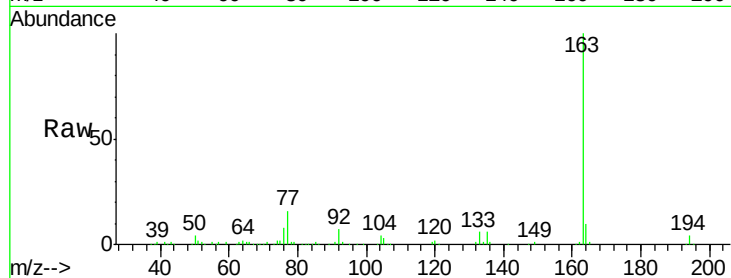
ClientSampleId :

SP-5

Tgt Ion:	163	Resp:	220770
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.9	4.3
164	9.9	8.3	12.5

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#63

Phenanthrene-d10

Concen: 20.00 ng

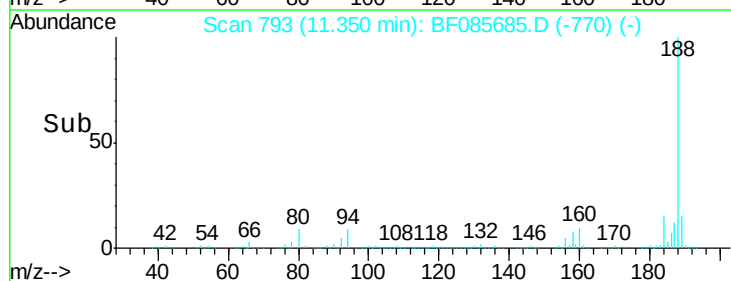
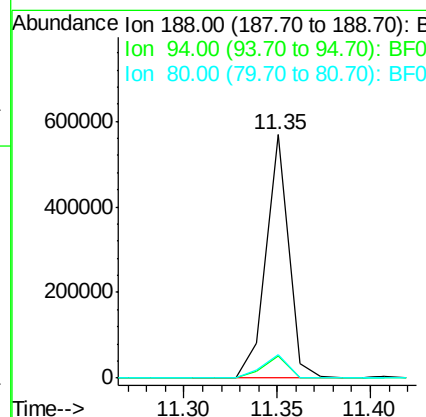
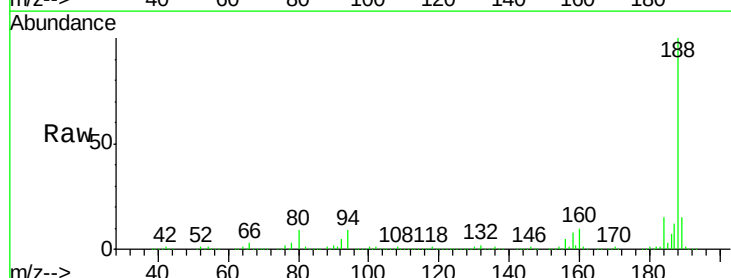
RT: 11.35 min Scan# 793

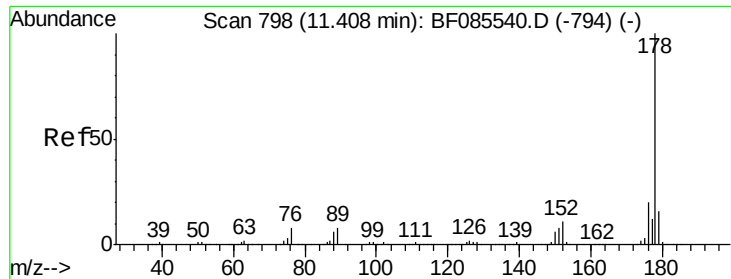
Delta R.T. -0.03 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

Tgt Ion:	188	Resp:	471724
Ion Ratio	Lower	Upper	
188	100		
94	9.3	5.4	8.0#
80	9.5	5.5	8.3#





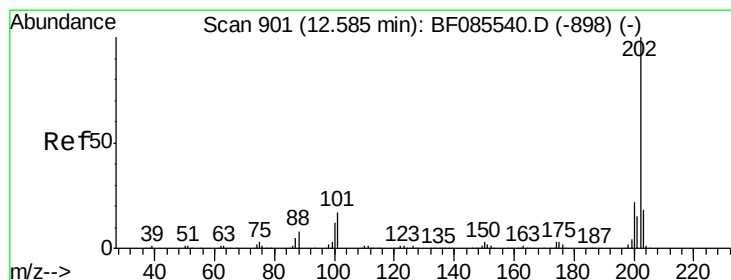
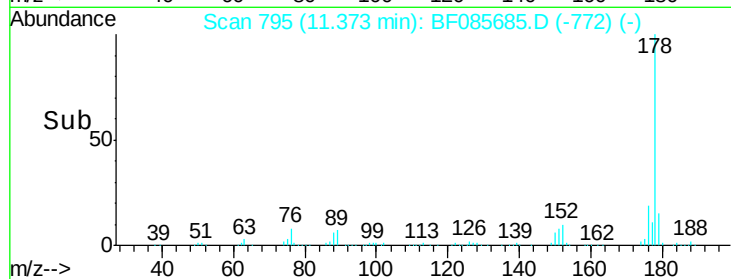
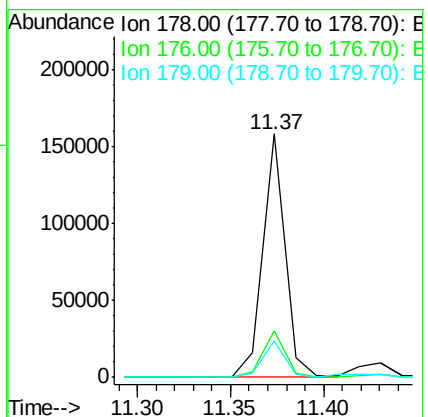
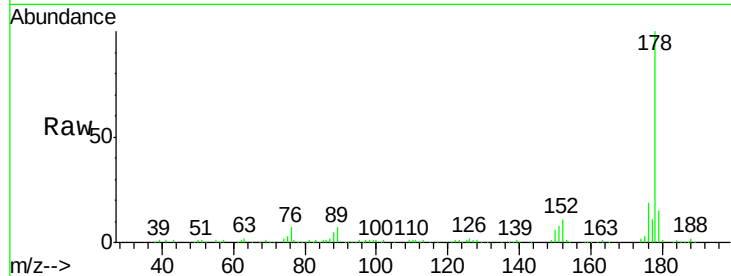
#70
Phenanthrene
Concen: 5.24 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF085685.D
Acq: 23 Mar 2016 4:36

Instrument :
BNA_F
ClientSampleId :
SP-5

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.3	24.5
179	15.1	12.6	18.8

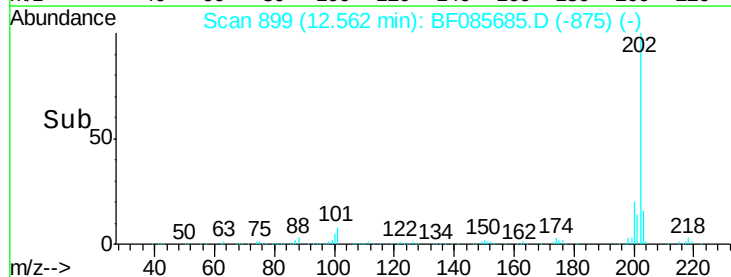
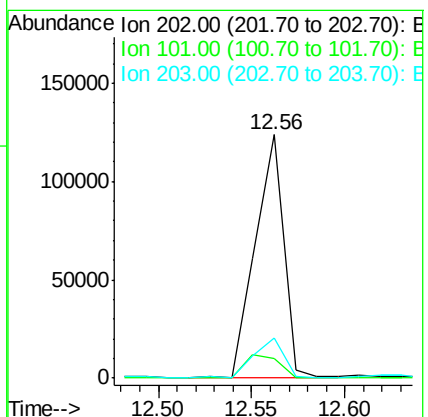
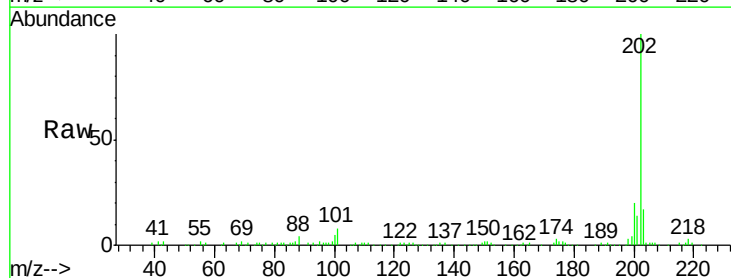
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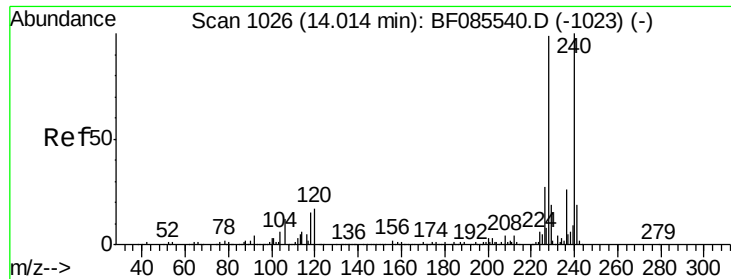
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#74
Fluoranthene
Concen: 4.98 ng
RT: 12.56 min Scan# 899
Delta R.T. -0.02 min
Lab File: BF085685.D
Acq: 23 Mar 2016 4:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	36.6
203	16.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.03 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

Instrument :

BNA_F

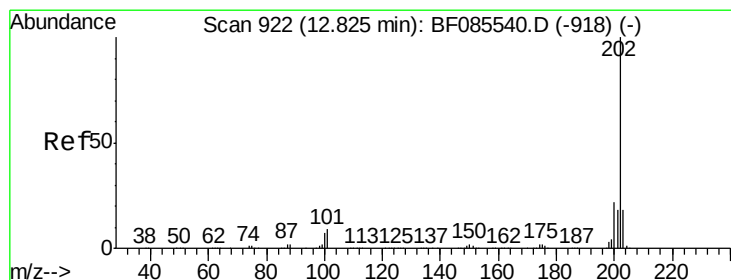
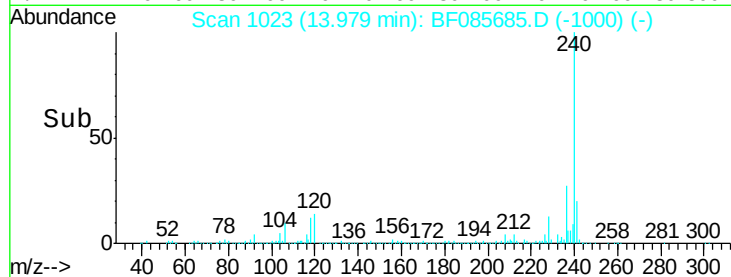
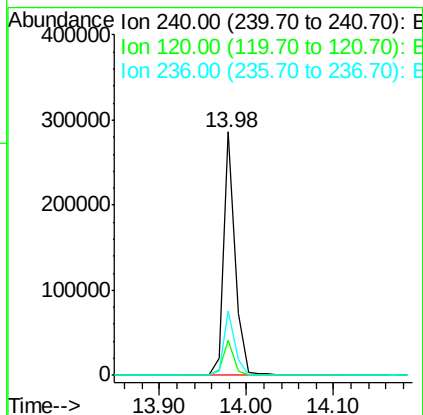
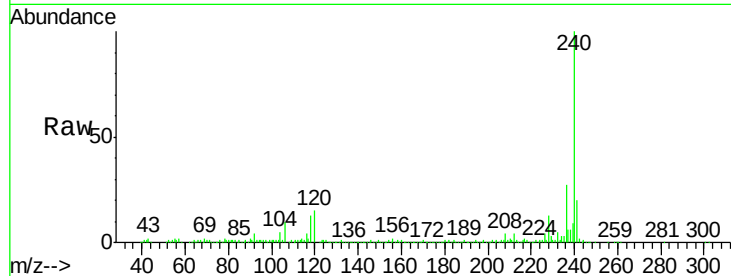
ClientSampleId :

SP-5

Tgt	Ion	240	Resp	267927
Ion	Ratio	100	Lower	Upper
240	100			
120	14.6	13.8	20.8	
236	26.7	20.6	30.8	

Manual Integrations
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#77

Pyrene

Concen: 7.14 ng

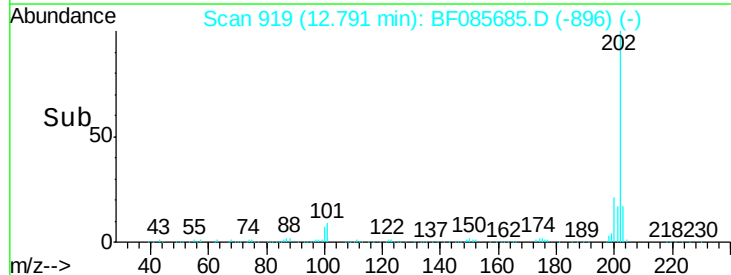
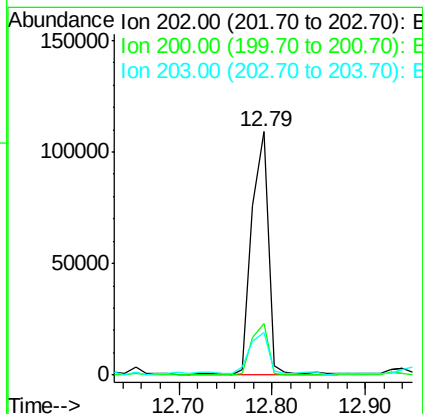
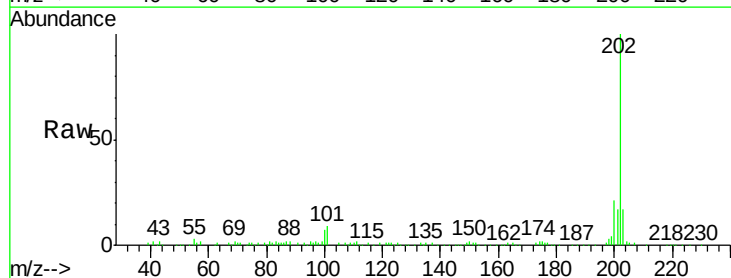
RT: 12.79 min Scan# 919

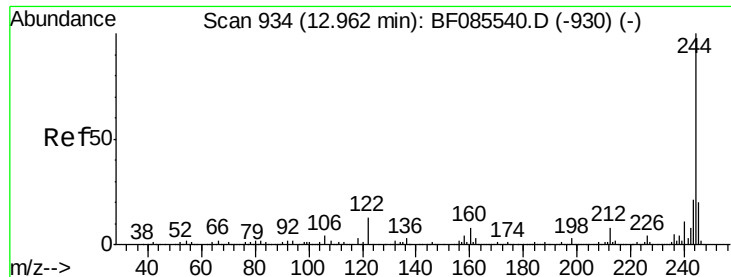
Delta R.T. -0.03 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

Tgt	Ion	202	Resp	137418
Ion	Ratio	100	Lower	Upper
202	100			
200	21.2	17.6	26.4	
203	17.4	14.0	21.0	





#78

Terphenyl-d14

Concen: 74.97 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF085685.D

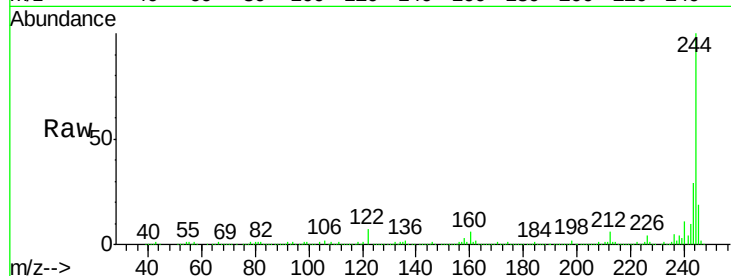
Acq: 23 Mar 2016 4:36

Instrument :

BNA_F

ClientSampleId :

SP-5



Tgt Ion:244 Resp: 834692

Ion Ratio Lower Upper

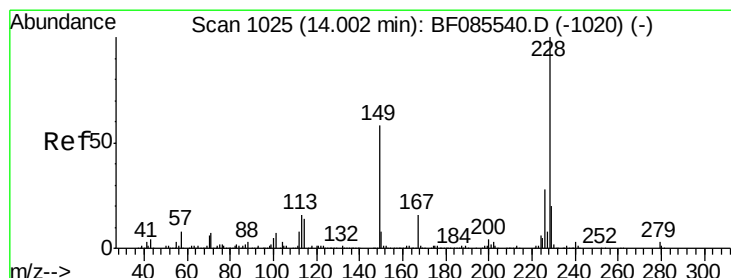
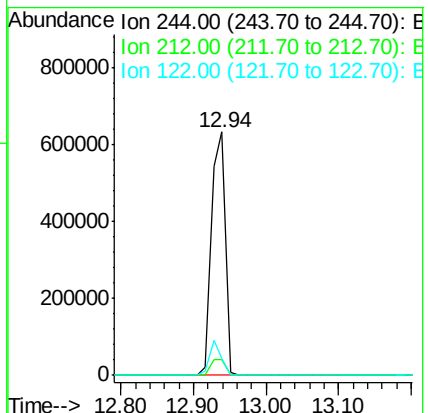
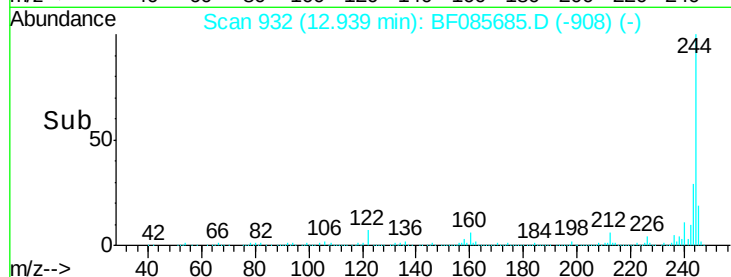
244 100

212 6.5 6.1 9.1

122 6.9 10.2 15.4#

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#80

Benzo(a)anthracene

Concen: 7.09 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.03 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

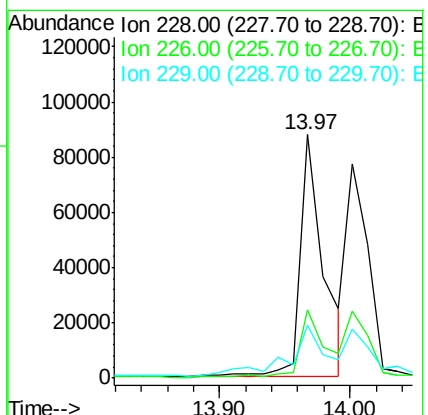
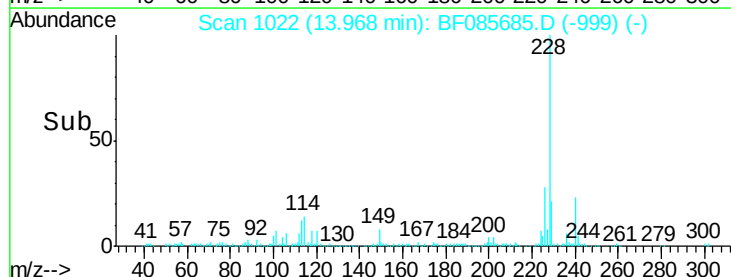
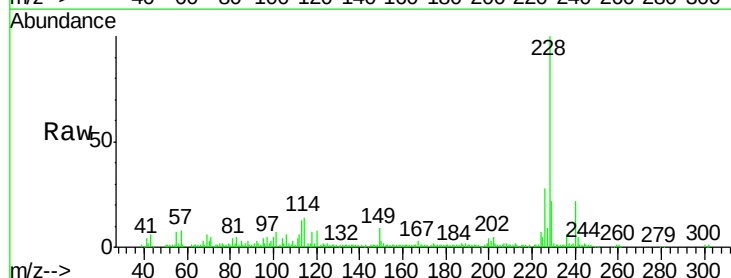
Tgt Ion:228 Resp: 110324

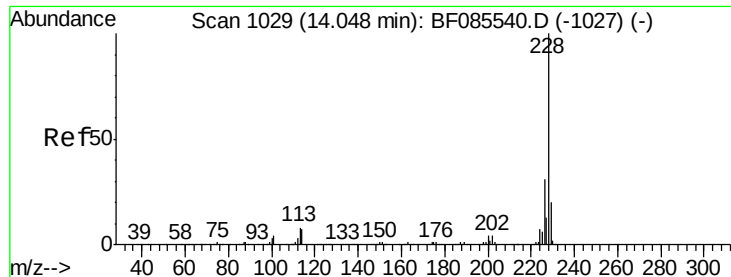
Ion Ratio Lower Upper

228 100

226 28.2 22.1 33.1

229 21.8 16.2 24.4





#82

Chrysene

Concen: 6.15 ng m

RT: 14.00 min Scan# 1025

Delta R.T. -0.05 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

Instrument :

BNA_F

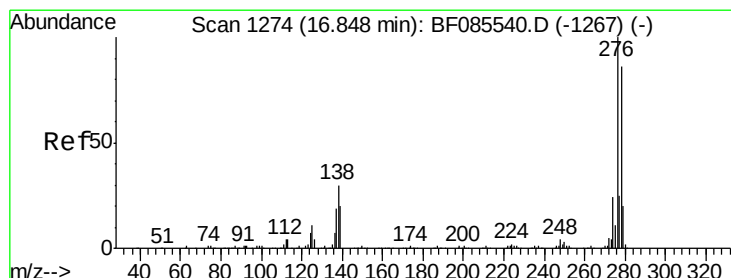
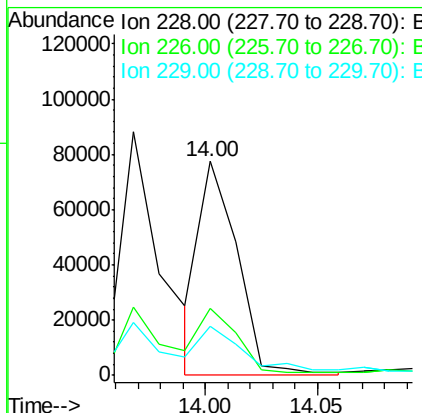
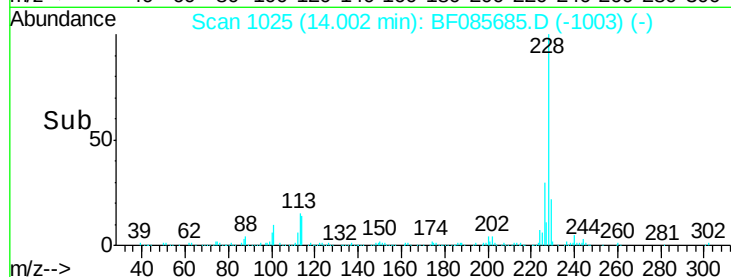
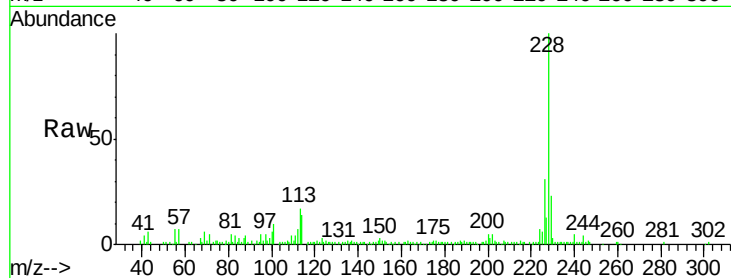
ClientSampled :

SP-5

Tgt Ion:	228	Resp:	92055
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.0	37.6
229	22.7	15.7	23.5

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.99 ng

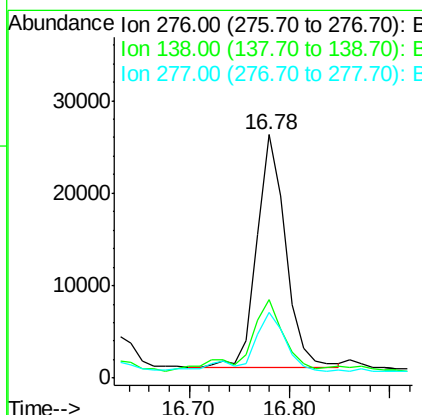
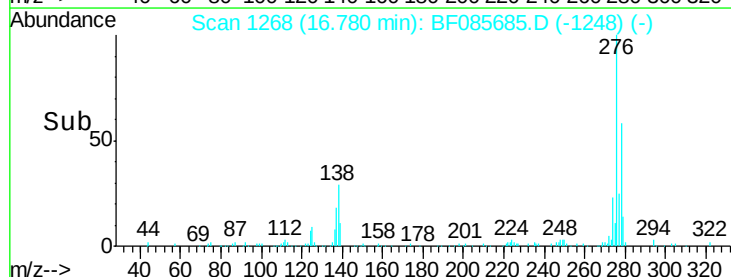
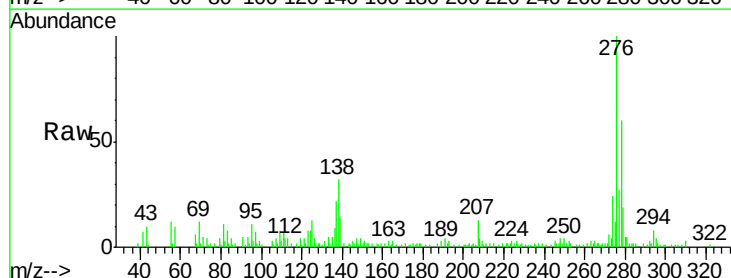
RT: 16.78 min Scan# 1268

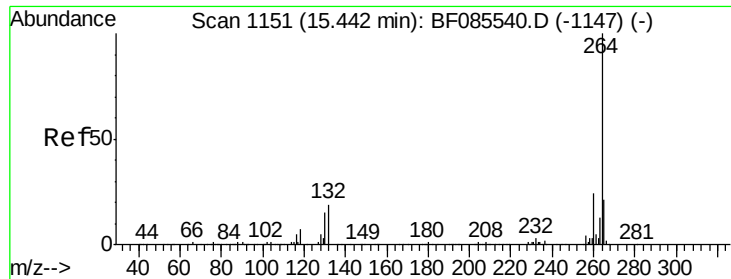
Delta R.T. -0.07 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

Tgt Ion:	276	Resp:	49872
Ion Ratio	Lower	Upper	
276	100		
138	37.8	24.2	36.4#
277	29.2	20.0	30.0





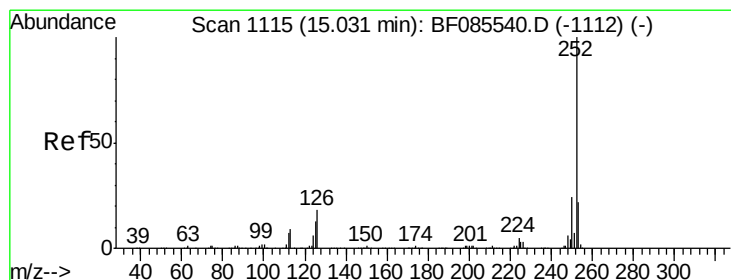
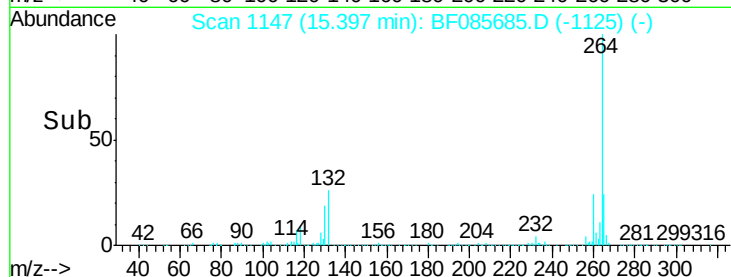
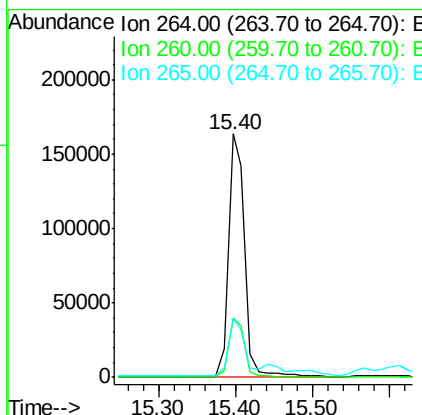
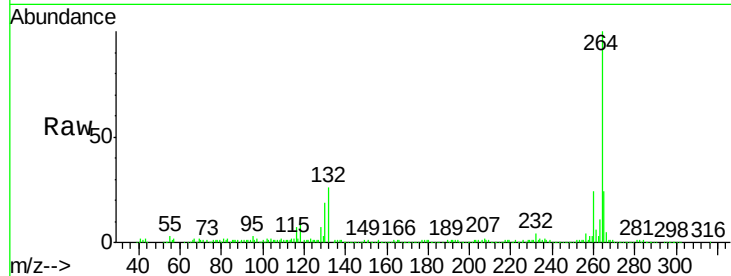
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF085685.D
Acq: 23 Mar 2016 4:36

Instrument :
BNA_F
ClientSampleId :
SP-5

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	242942		
260	24.2	19.4	29.2	
265	24.4	17.2	25.8	

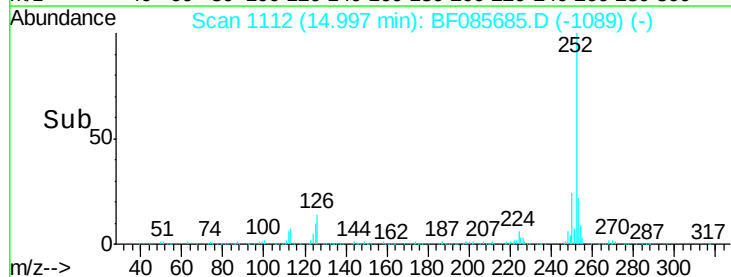
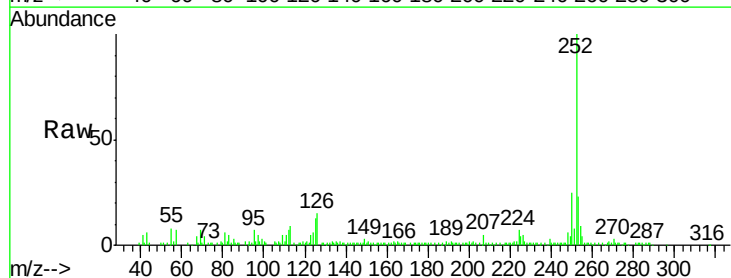
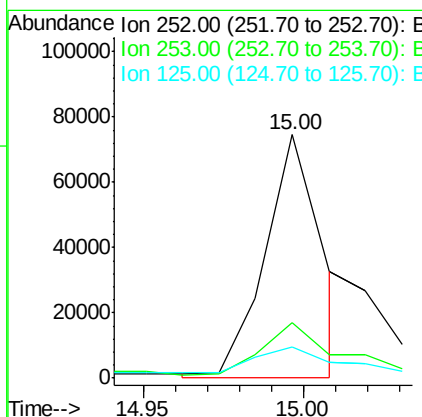
Manual Integrations
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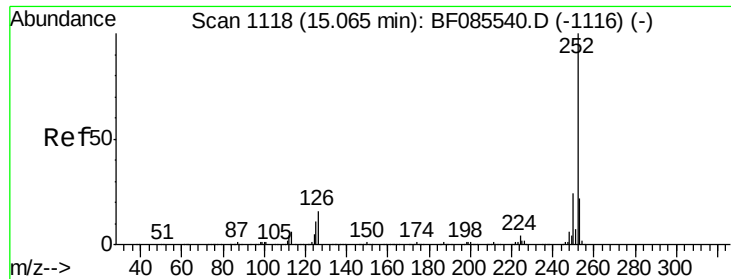
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#87
Benzo(b)fluoranthene
Concen: 5.76 ng m
RT: 15.00 min Scan# 1112
Delta R.T. -0.03 min
Lab File: BF085685.D
Acq: 23 Mar 2016 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	91354		
253	22.9	17.6	26.4	
125	12.6	10.3	15.5	





#88

Benzo(k)fluoranthene

Concen: 2.09 ng m

RT: 15.01 min Scan# 1113

Delta R.T. -0.06 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

Instrument :

BNA_F

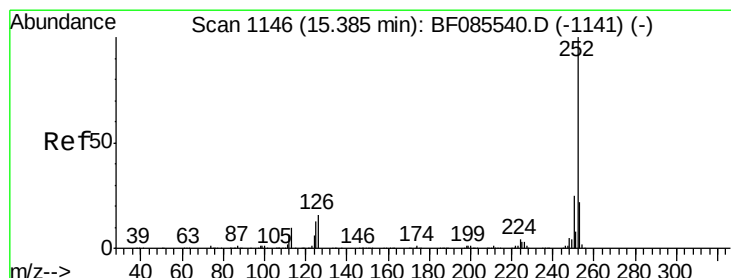
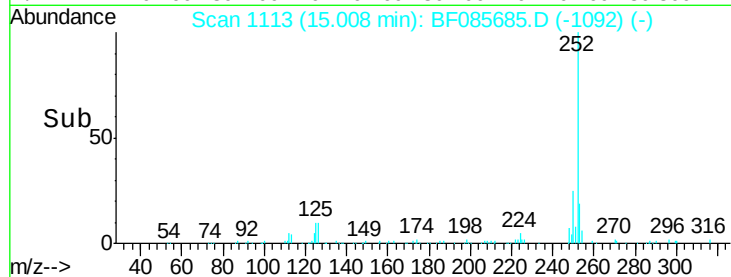
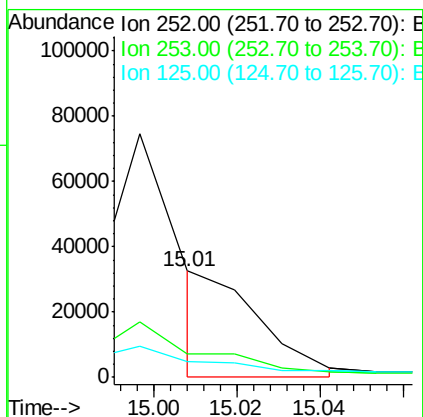
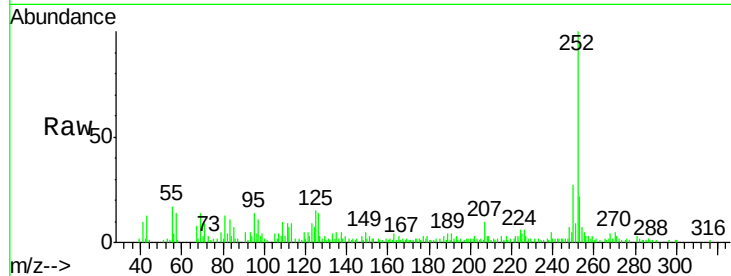
ClientSampled :

SP-5

Tgt Ion:	252	Resp:	27314
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.8	26.6
125	15.3	7.7	11.5#

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#89

Benzo(a)pyrene

Concen: 6.76 ng

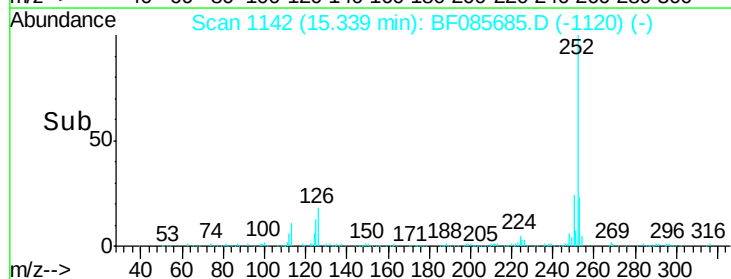
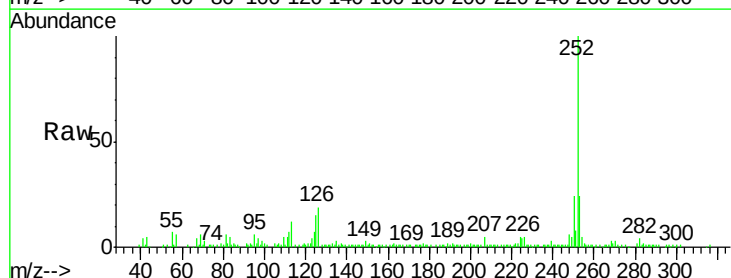
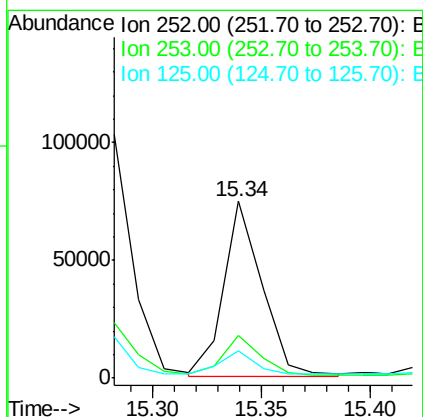
RT: 15.34 min Scan# 1142

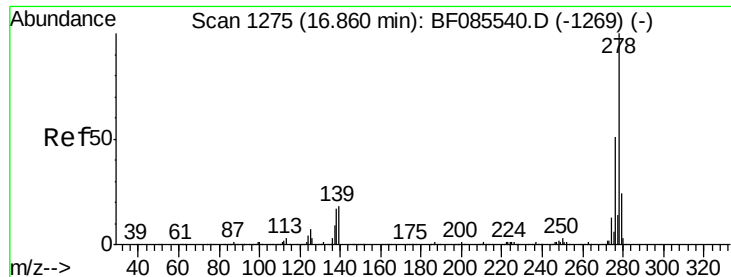
Delta R.T. -0.05 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

Tgt Ion:	252	Resp:	90832
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.4	26.0
125	15.3	10.3	15.5





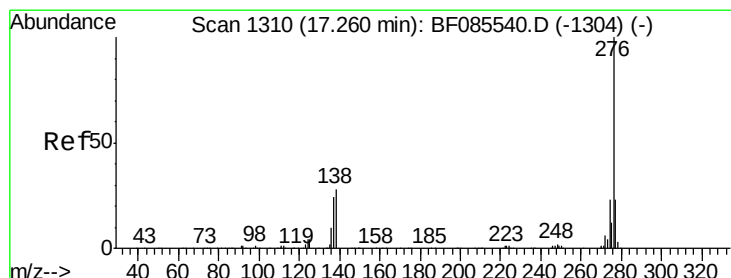
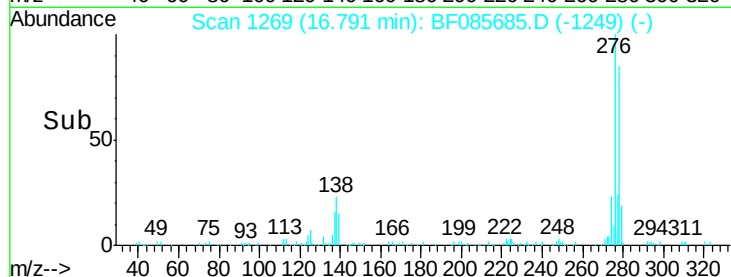
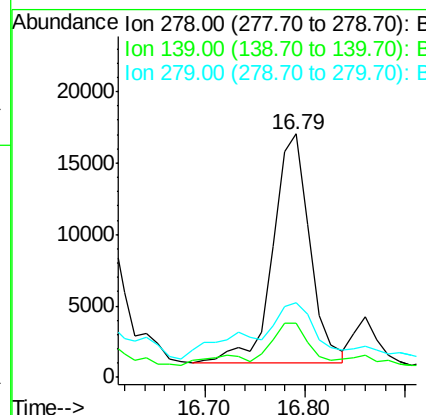
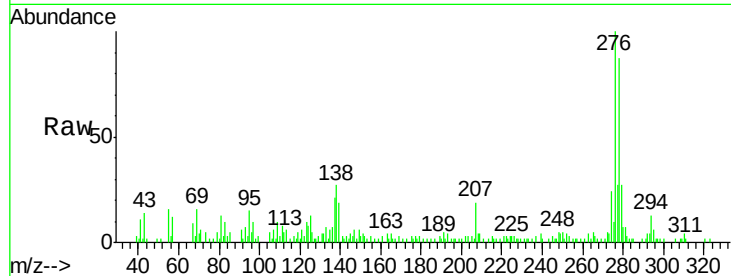
#90
Dibenzo(a,h)anthracene
Concen: 3.60 ng
RT: 16.79 min Scan# 1269
Delta R.T. -0.07 min
Lab File: BF085685.D
Acq: 23 Mar 2016 4:36

Instrument :
BNA_F
ClientSampled :
SP-5

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.1	14.4	21.6#
279	30.8	19.1	28.7#

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#91
Benzo(g,h,i)perylene
Concen: 7.52 ng
RT: 17.19 min Scan# 1304
Delta R.T. -0.07 min
Lab File: BF085685.D
Acq: 23 Mar 2016 4:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.8	28.2
138	28.1	22.6	34.0

