

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
 Data File : BF085702.D
 Acq On : 23 Mar 2016 12:43
 Operator : UM/SJ
 Sample : H1857-21
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08(6-8)

Manual Integrations
 APPROVED

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 3/24/2016 11:49:23 AM

Quant Time: Mar 23 15:15:14 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	133027	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	497300	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	201909	20.00	ng	-0.02
63) Phenanthrene-d10	11.35	188	310562	20.00	ng	-0.03
75) Chrysene-d12	13.99	240	243062	20.00	ng	-0.02
86) Perylene-d12	15.41	264	178654	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	866778	109.44	ng	-0.02
7) Phenol-d6	6.47	99	1050210	103.39	ng	-0.02
23) Nitrobenzene-d5	7.40	82	620308	72.40	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	194842	98.51	ng	-0.02
44) 2-Fluorobiphenyl	9.19	172	964501	80.37	ng	-0.03
78) Terphenyl-d14	12.94	244	639458	63.31	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.14	128	58307	2.32	ng	99
49) Dimethylphthalate	9.59	163	178882	11.74	ng	98
70) Phenanthrene	11.37	178	147352	9.00	ng	99
71) Anthracene	11.43	178	46441	2.70	ng	99
74) Fluoranthene	12.56	202	183691	10.71	ng	98
77) Pyrene	12.79	202	181889	10.42	ng	99
80) Benzo(a)anthracene	13.98	228	79611	5.64	ng	95
82) Chrysene	14.01	228	78328m	5.77	ng	
83) Bis(2-ethylhexyl)phthalate	13.97	149	39089	3.78	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.80	276	27128	2.39	ng	95
87) Benzo(b)fluoranthene	15.01	252	80583m	6.91	ng	
88) Benzo(k)fluoranthene	15.03	252	25236m	2.63	ng	
89) Benzo(a)pyrene	15.35	252	48692	4.93	ng	# 83
91) Benzo(g,h,i)perylene	17.21	276	24545	3.08	ng	# 85

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

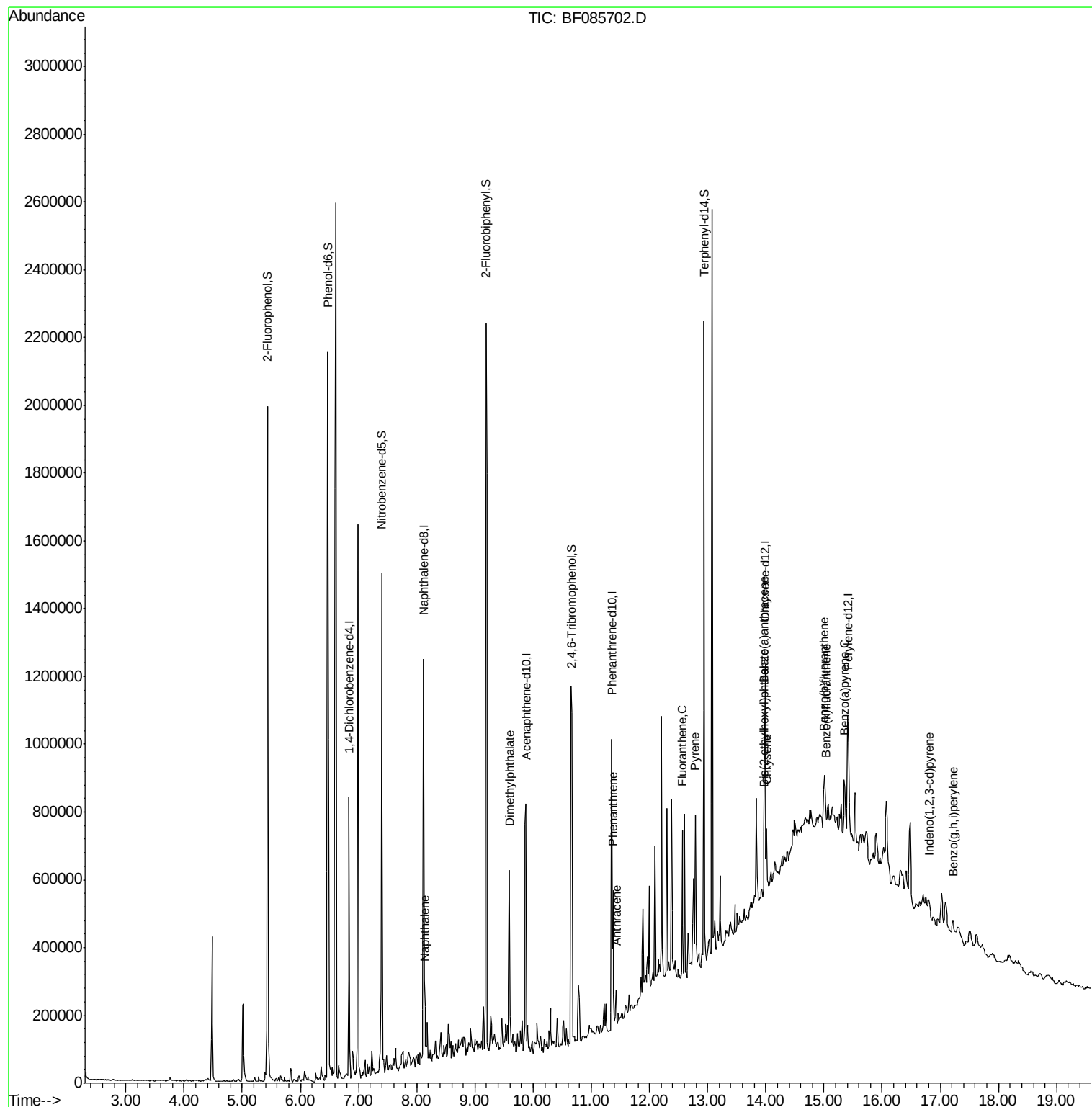
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085702.D
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ALS Vial : 38 Sample Multiplier: 1

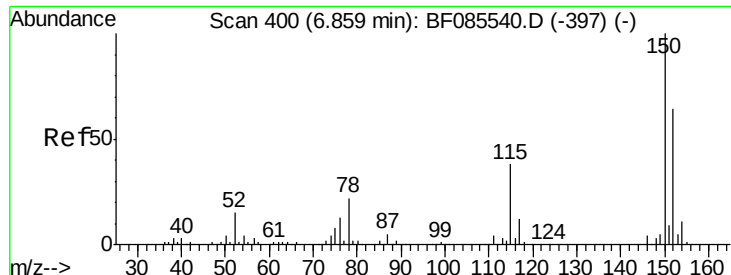
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

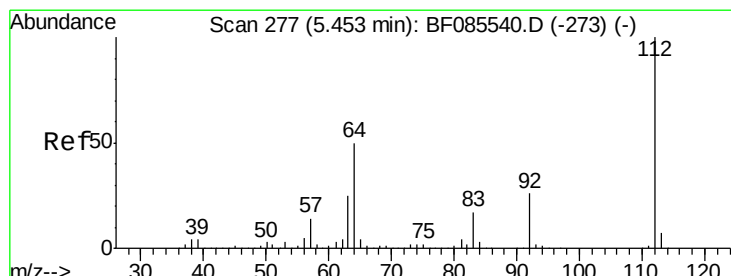
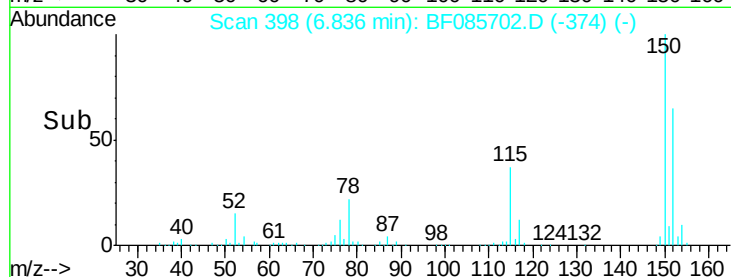
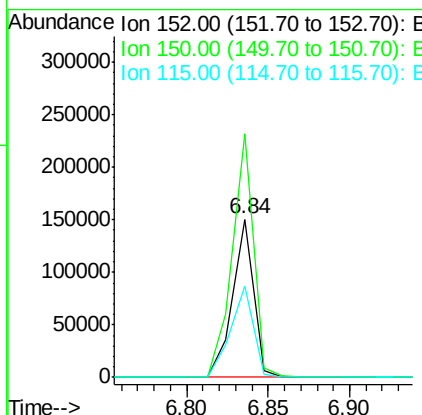
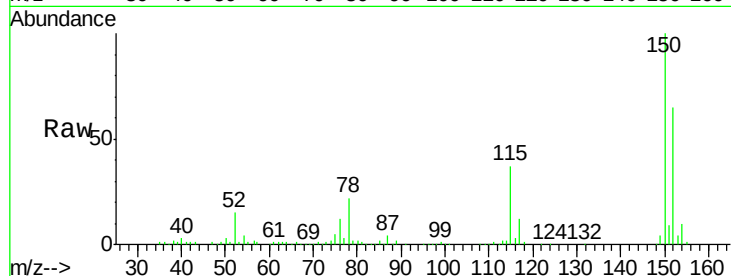
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 398
Delta R.T. -0.02 min
Lab File: BF085702.D
Acq: 23 Mar 2016 12:43

Instrument :
BNA_F
ClientSampleId :
SB-08(6-8)

Tgt	Ion	Resp	Lower	Upper
152	100			
150	153.9	124.2	186.2	
115	57.6	47.0	70.6	

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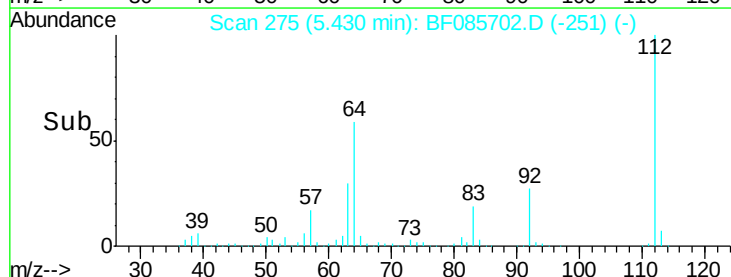
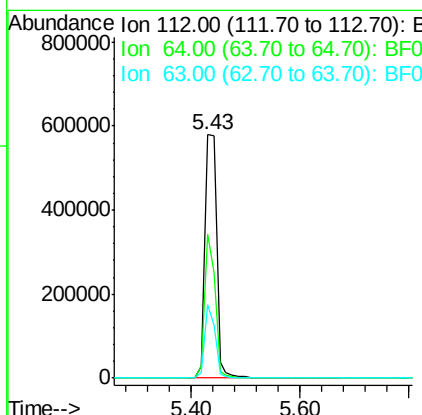
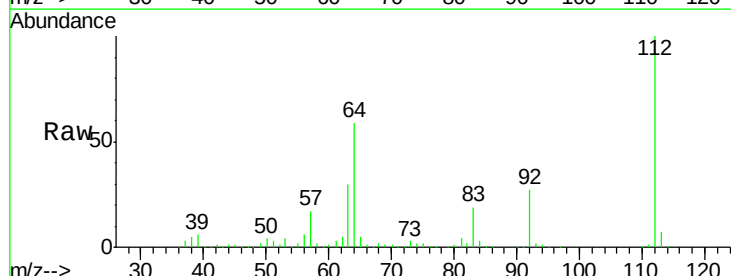
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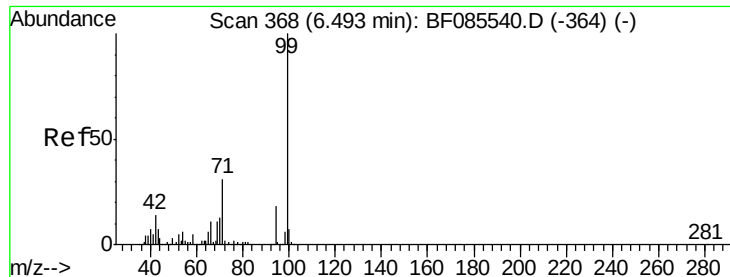


#5

2-Fluorophenol
Concen: 109.44 ng
RT: 5.43 min Scan# 275
Delta R.T. -0.02 min
Lab File: BF085702.D
Acq: 23 Mar 2016 12:43

Tgt	Ion	Resp	Lower	Upper
112	100			
64	58.8	39.9	59.9	
63	29.9	20.2	30.2	





#7

Phenol-d6

Concen: 103.39 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

Instrument :

BNA_F

ClientSampleId :

SB-08(6-8)

Tgt Ion: 99 Resp: 1050210

Ion Ratio Lower Upper

99 100

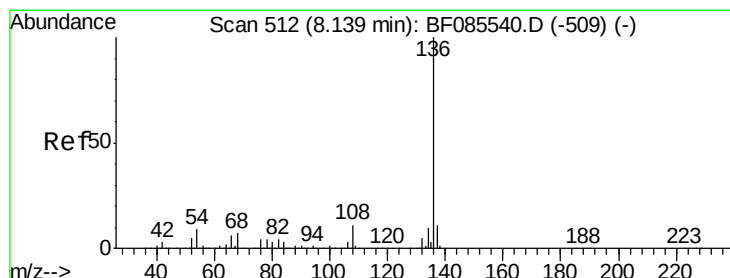
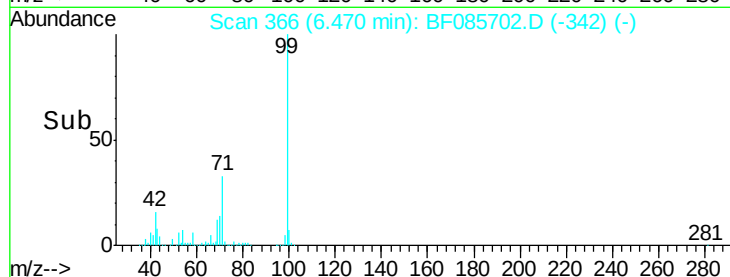
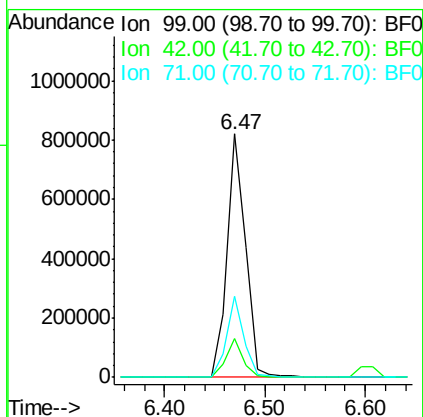
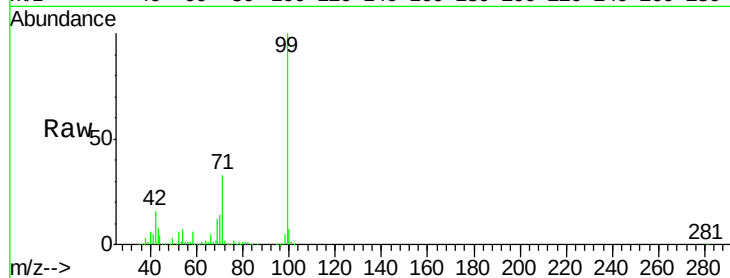
42 15.9 11.1 16.7

71 33.1 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: BF085702.D

Acq: 23 Mar 2016 12:43

Tgt Ion: 136 Resp: 497300

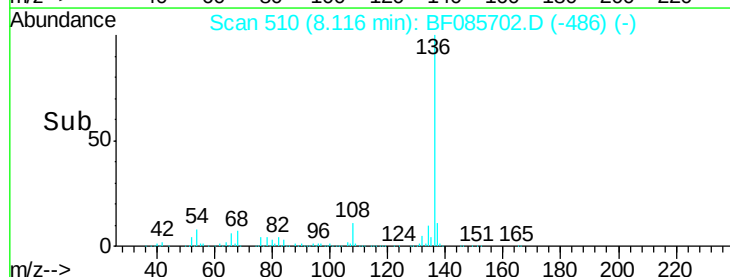
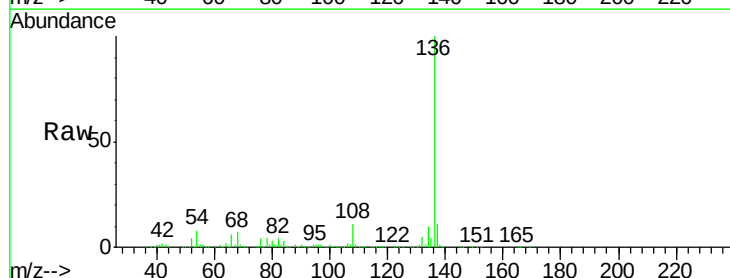
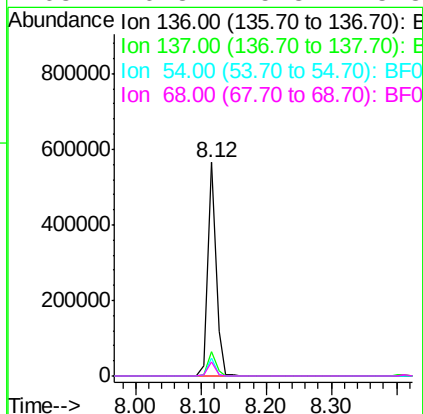
Ion Ratio Lower Upper

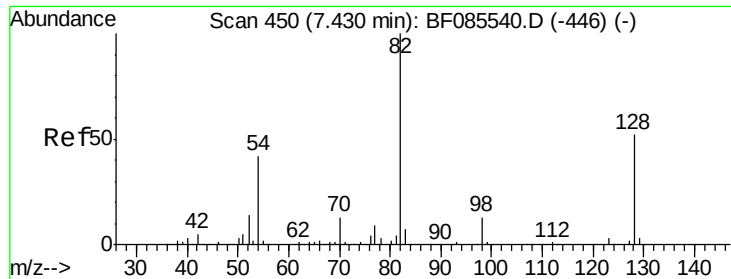
136 100

137 11.2 9.1 13.7

54 8.3 7.4 11.0

68 6.8 5.8 8.8





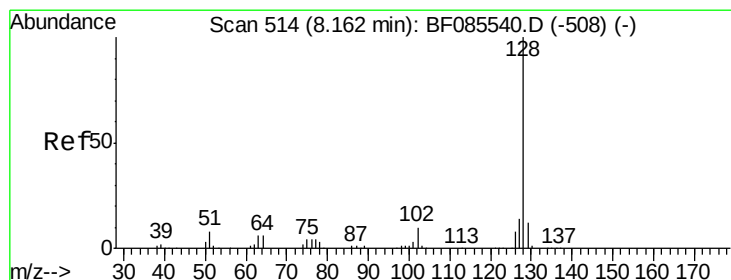
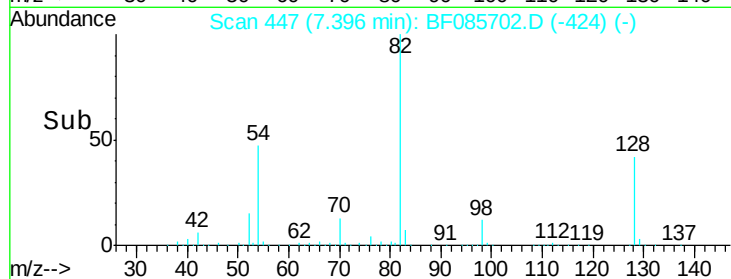
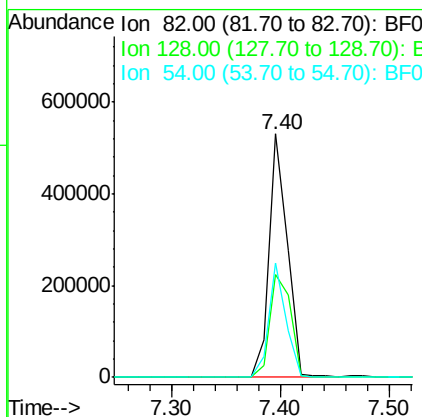
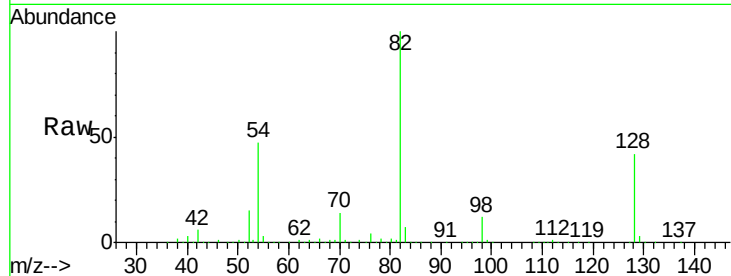
#23
 Nitrobenzene-d5
 Concen: 72.40 ng
 RT: 7.40 min Scan# 447
 Delta R.T. -0.03 min
 Lab File: BF085702.D
 Acq: 23 Mar 2016 12:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-08(6-8)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	620308		
128	42.1	41.8	62.8	
54	47.1	33.4	50.0	

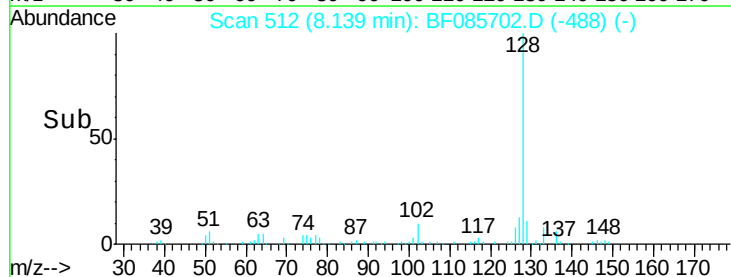
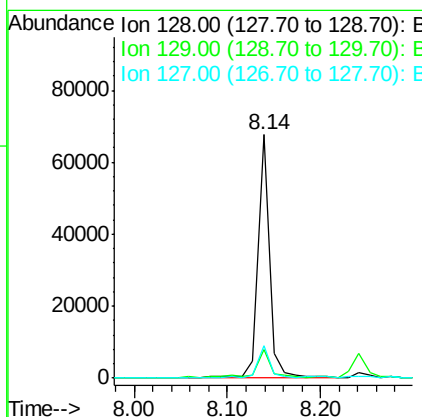
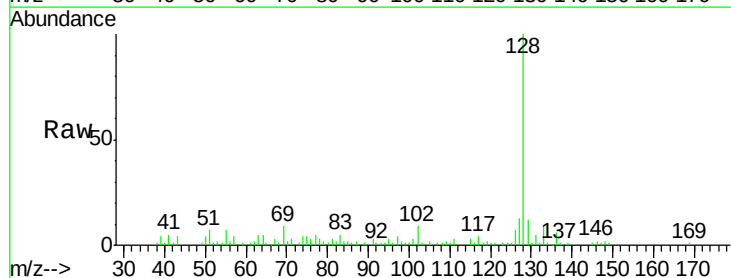
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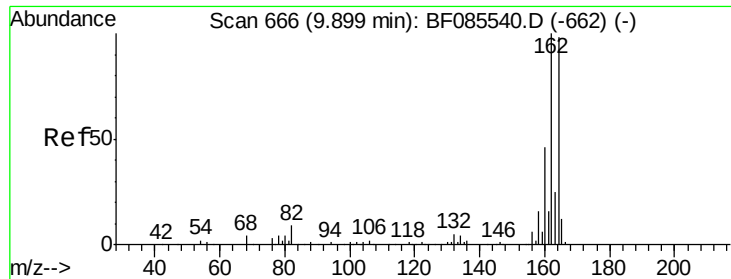
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#31
 Naphthalene
 Concen: 2.32 ng
 RT: 8.14 min Scan# 512
 Delta R.T. -0.02 min
 Lab File: BF085702.D
 Acq: 23 Mar 2016 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	58307		
129	11.5	9.4	14.0	
127	13.4	11.0	16.6	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 664

Delta R.T. -0.02 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

Instrument :

BNA_F

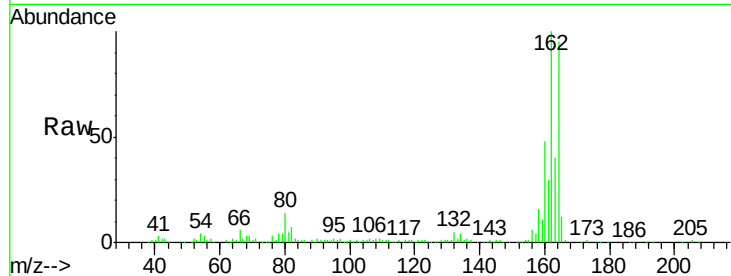
ClientSampleId :

SB-08(6-8)

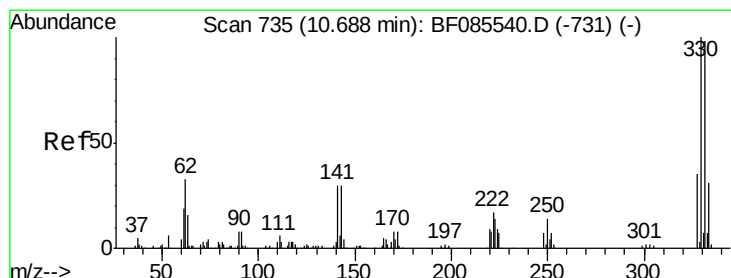
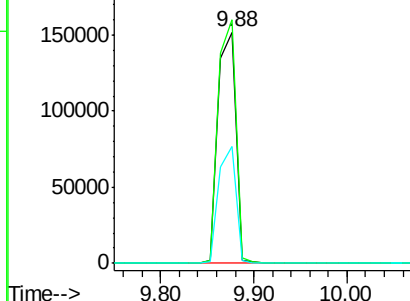
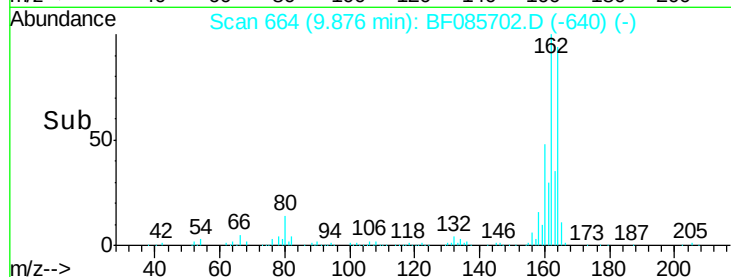
Tgt Ion:	164	Resp:	201909
Ion Ratio	Lower	Upper	
164	100		
162	105.4	82.1	123.1
160	50.7	37.4	56.2

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



#41

2,4,6-Tribromophenol

Concen: 98.51 ng

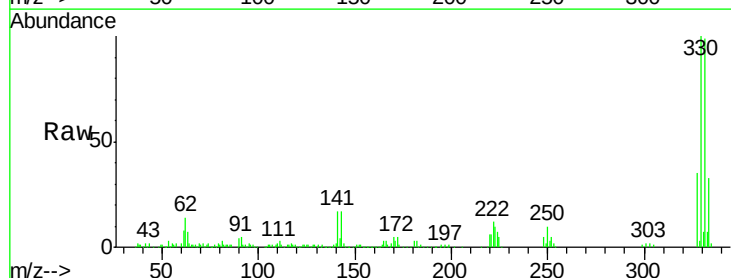
RT: 10.66 min Scan# 733

Delta R.T. -0.02 min

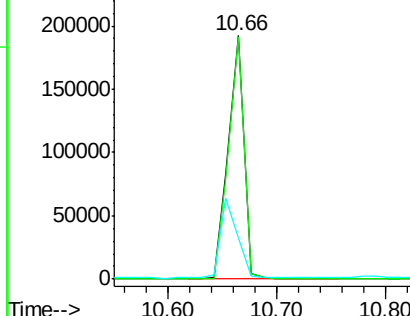
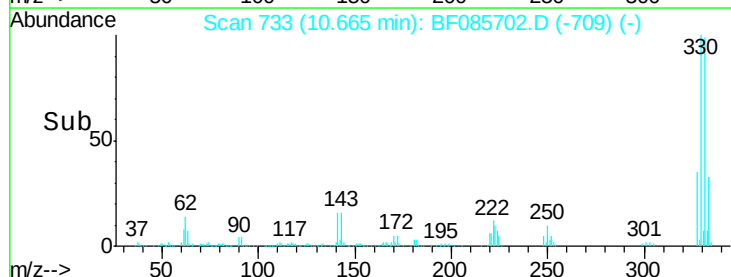
Lab File: BF085702.D

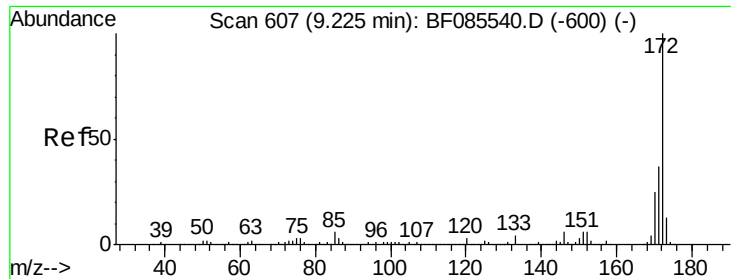
Acq: 23 Mar 2016 12:43

Tgt Ion:	330	Resp:	194842
Ion Ratio	Lower	Upper	
330	100		
332	97.8	78.2	117.2
141	36.0	31.5	47.3



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





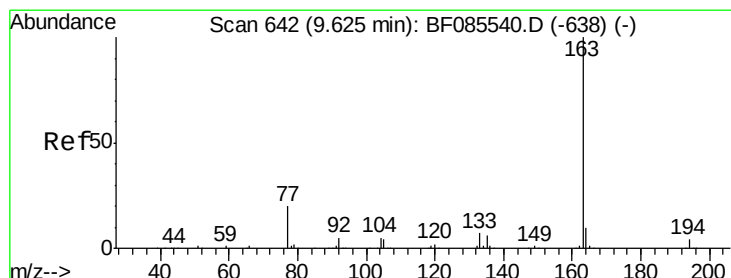
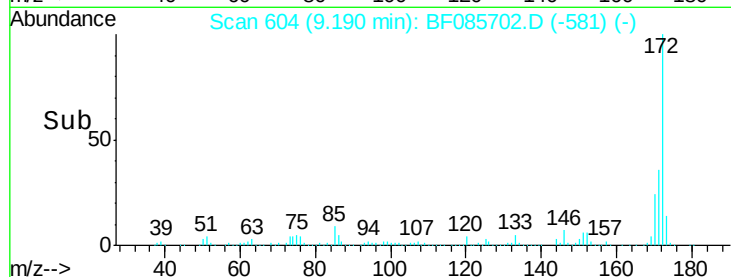
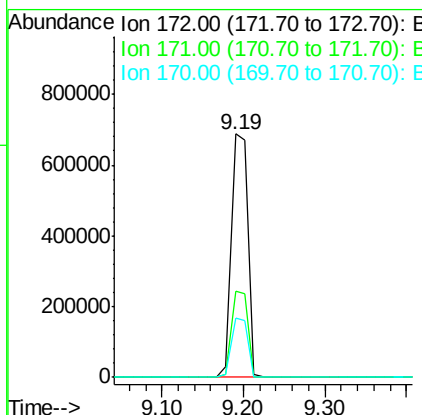
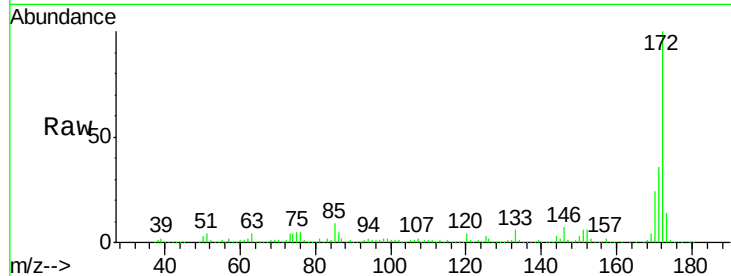
#44
2-Fluorobiphenyl
Concen: 80.37 ng
RT: 9.19 min Scan# 604
Delta R.T. -0.03 min
Lab File: BF085702.D
Acq: 23 Mar 2016 12:43

Instrument :
BNA_F
ClientSampleId :
SB-08(6-8)

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	964501		
171	35.6		29.4	44.2
170	24.1		19.8	29.6

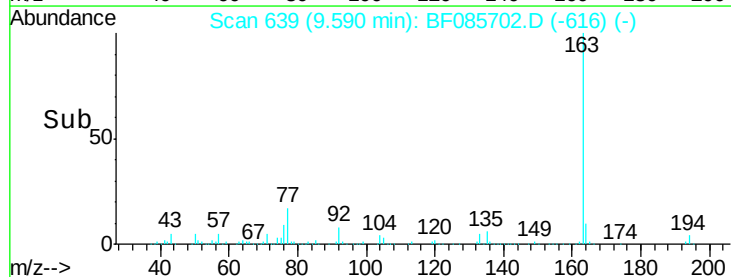
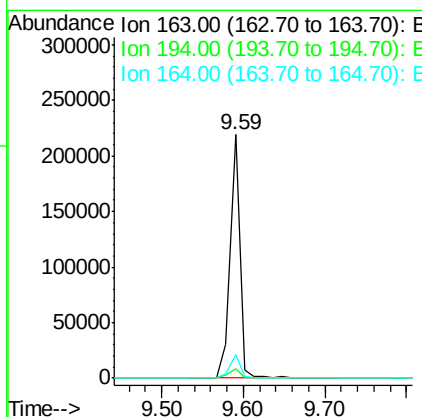
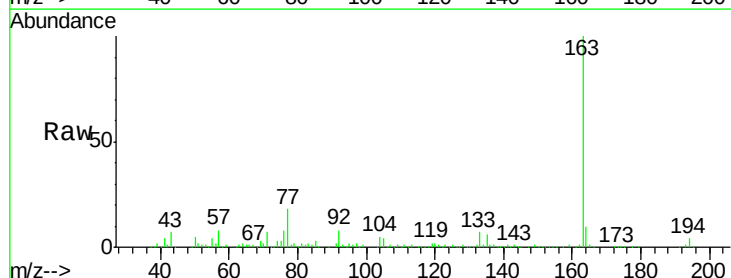
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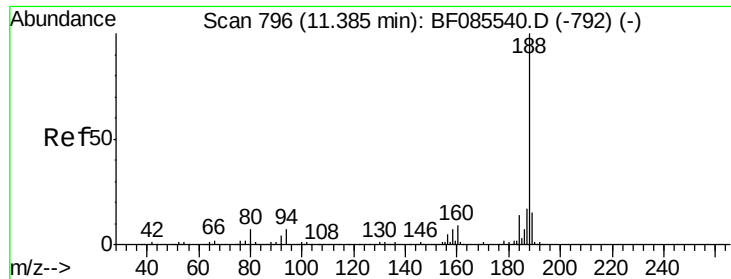
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#49
Dimethylphthalate
Concen: 11.74 ng
RT: 9.59 min Scan# 639
Delta R.T. -0.03 min
Lab File: BF085702.D
Acq: 23 Mar 2016 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	178882		
194	3.8		2.9	4.3
164	9.7		8.3	12.5





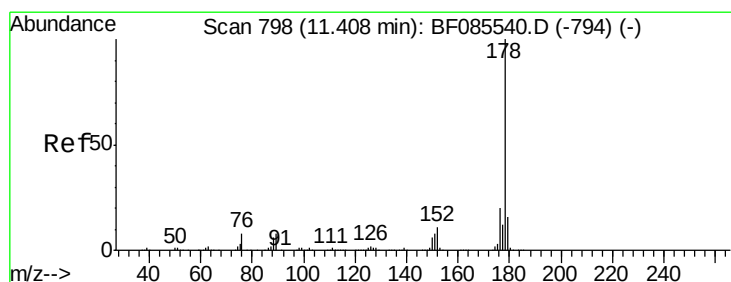
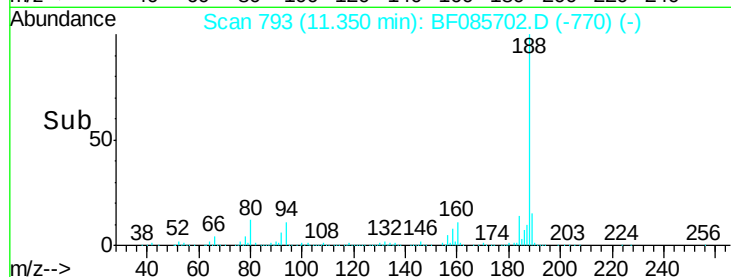
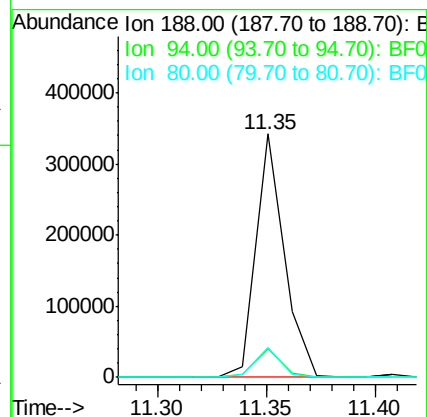
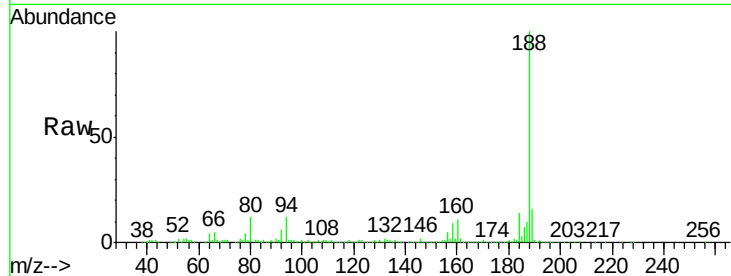
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 793
Delta R.T. -0.03 min
Lab File: BF085702.D
Acq: 23 Mar 2016 12:43

Instrument :
BNA_F
ClientSampleId :
SB-08(6-8)

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	11.6	5.4	8.0#
80	12.4	5.5	8.3#

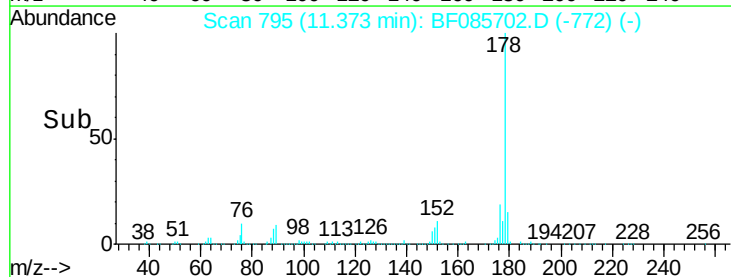
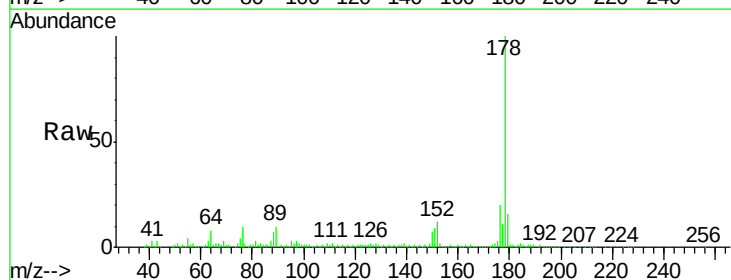
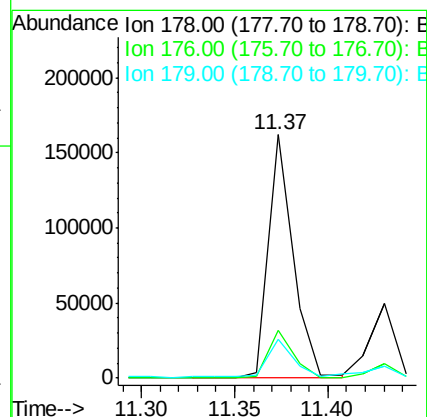
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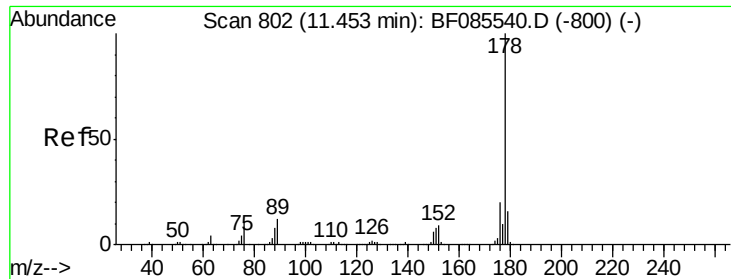
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#70
Phenanthrene
Concen: 9.00 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF085702.D
Acq: 23 Mar 2016 12:43

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	16.3	24.5
179	15.8	12.6	18.8





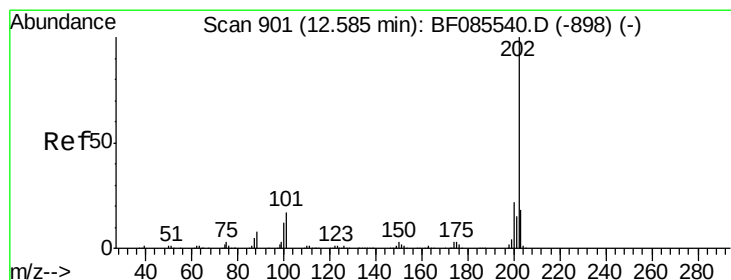
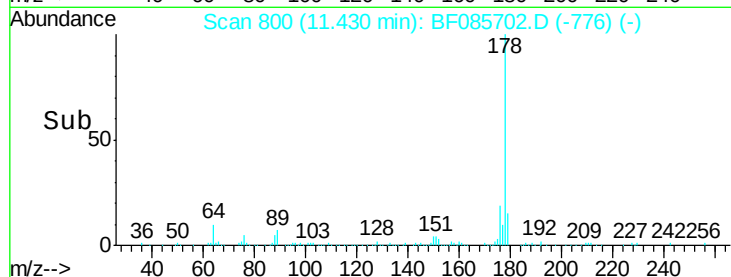
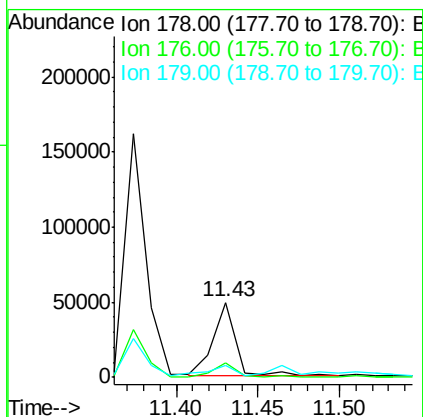
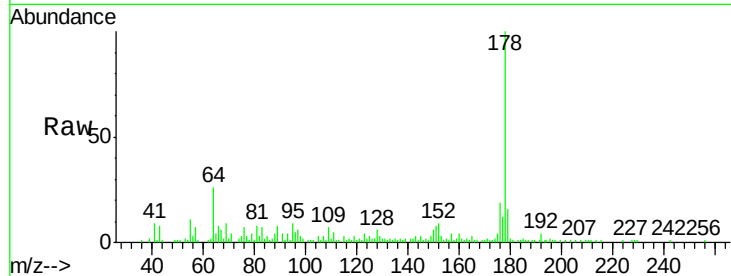
#71
 Anthracene
 Concen: 2.70 ng
 RT: 11.43 min Scan# 800
 Delta R.T. -0.02 min
 Lab File: BF085702.D
 Acq: 23 Mar 2016 12:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-08(6-8)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.9	23.9
179	16.4	13.0	19.4

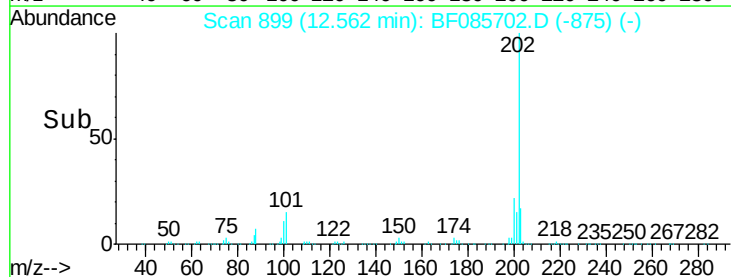
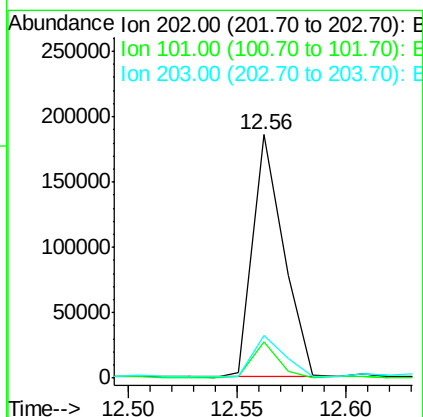
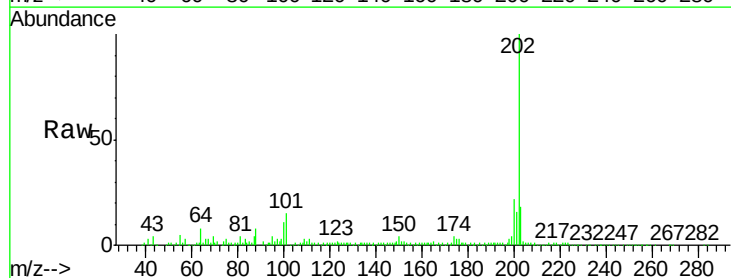
Manual Integrations
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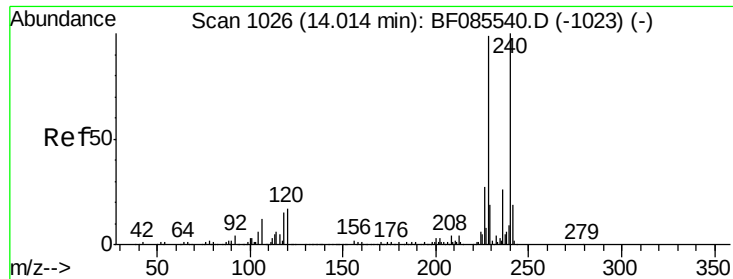
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#74
 Fluoranthene
 Concen: 10.71 ng
 RT: 12.56 min Scan# 899
 Delta R.T. -0.02 min
 Lab File: BF085702.D
 Acq: 23 Mar 2016 12:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.0	0.0	36.6
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

Instrument :

BNA_F

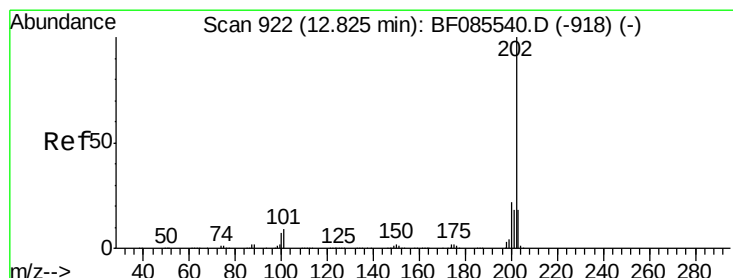
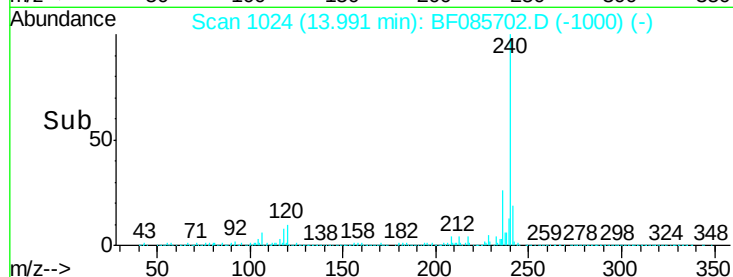
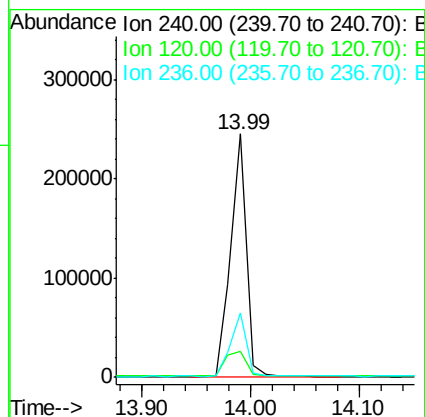
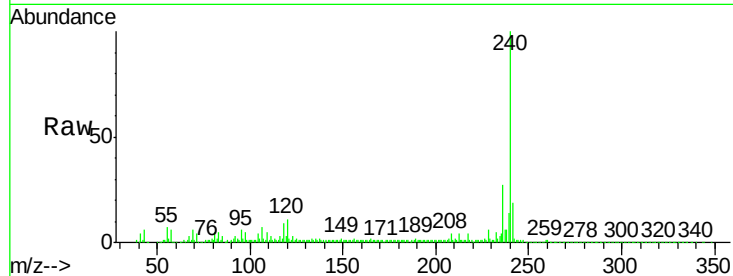
ClientSampleId :

SB-08(6-8)

Tgt Ion:	240	Resp:	243062
Ion Ratio		Lower	Upper
240	100		
120	10.6	13.8	20.8#
236	26.6	20.6	30.8

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#77

Pyrene

Concen: 10.42 ng

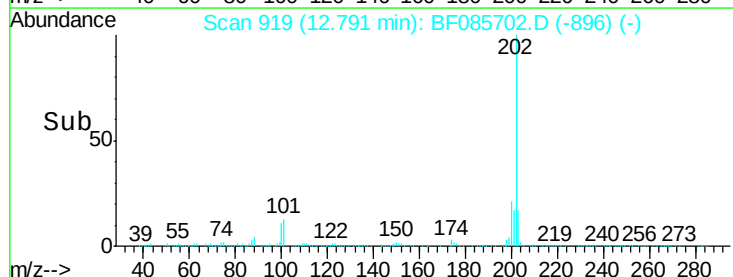
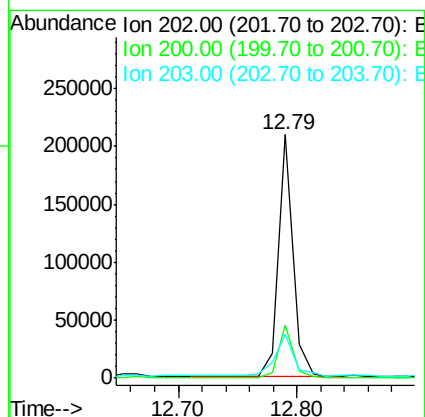
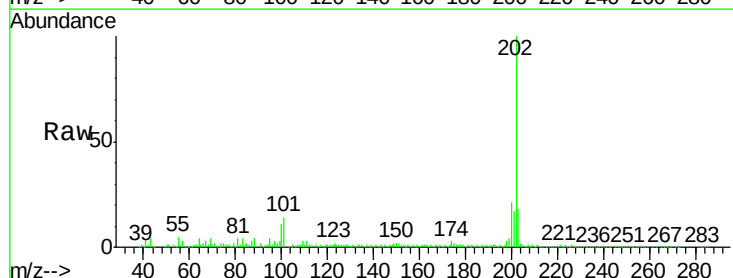
RT: 12.79 min Scan# 919

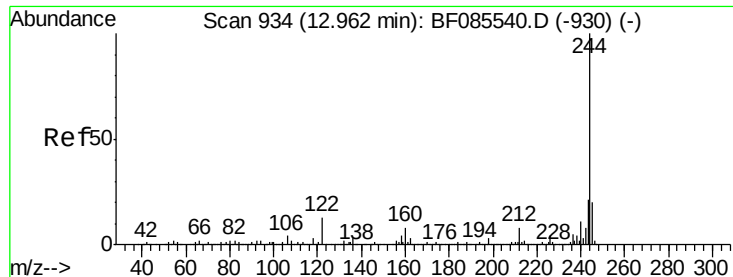
Delta R.T. -0.03 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

Tgt Ion:	202	Resp:	181889
Ion Ratio		Lower	Upper
202	100		
200	21.5	17.6	26.4
203	18.0	14.0	21.0





#78

Terphenyl-d14

Concen: 63.31 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

Instrument :

BNA_F

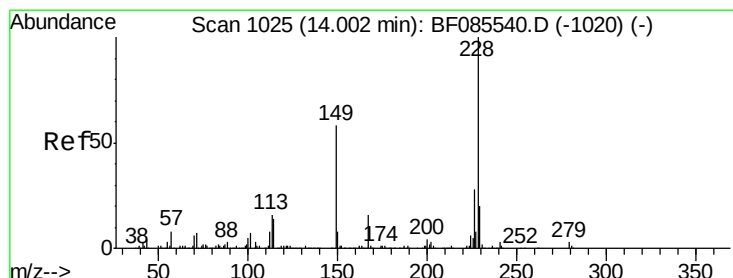
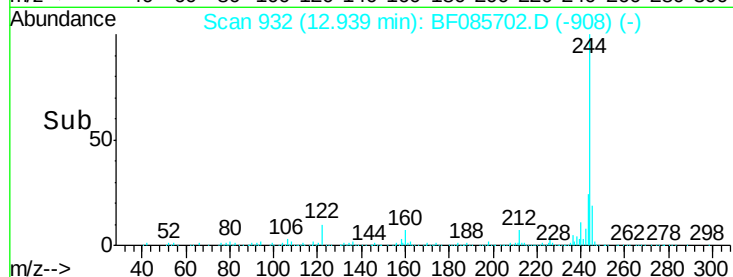
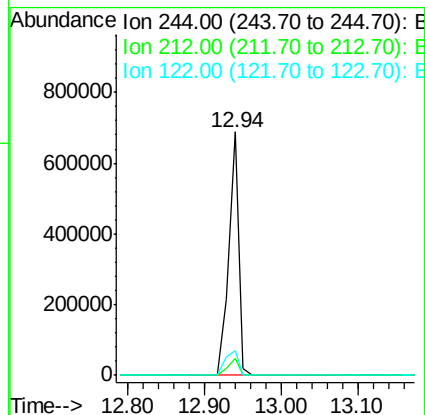
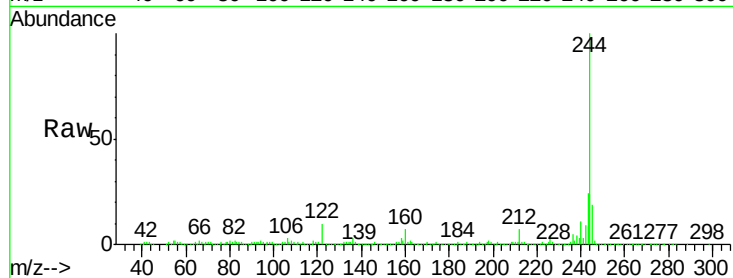
ClientSampleId :

SB-08(6-8)

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.1	6.1	9.1
122	9.9	10.2	15.4

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#80

Benzo(a)anthracene

Concen: 5.64 ng

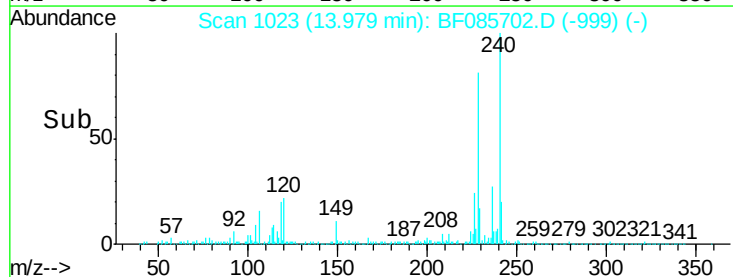
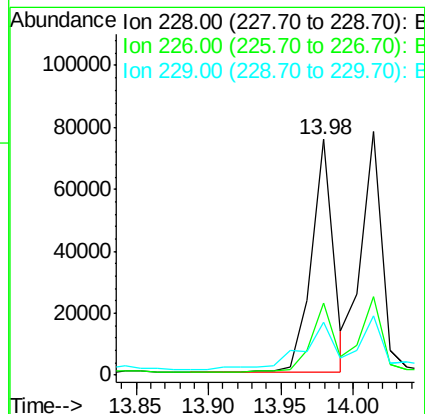
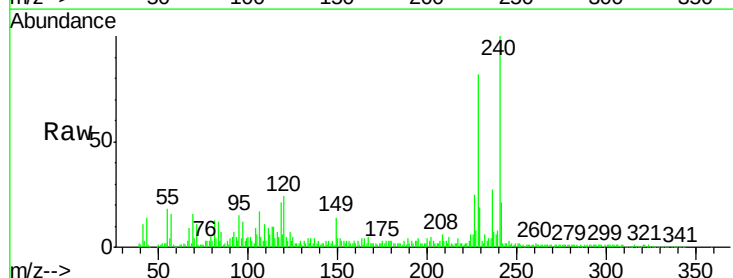
RT: 13.98 min Scan# 1023

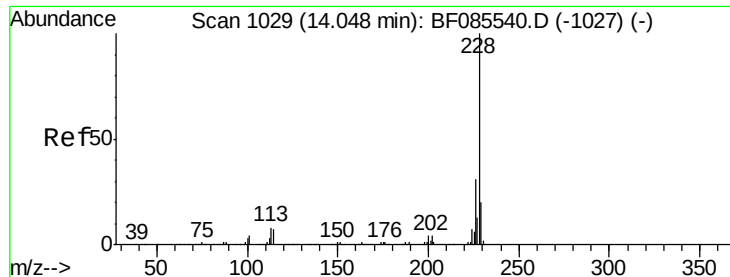
Delta R.T. -0.02 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.5	22.1	33.1
229	22.7	16.2	24.4





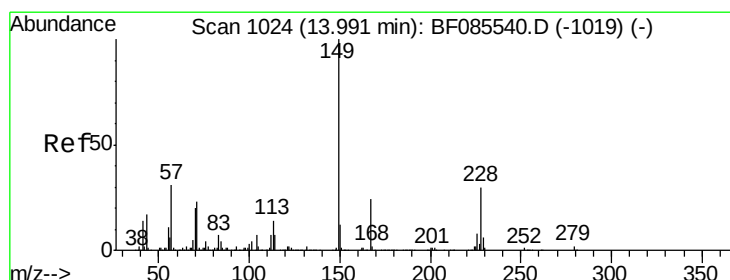
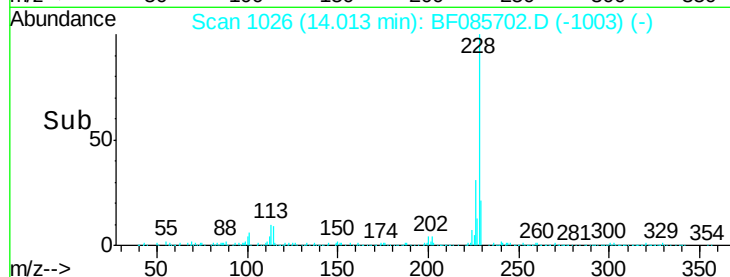
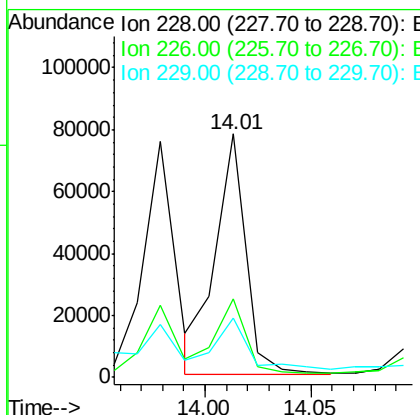
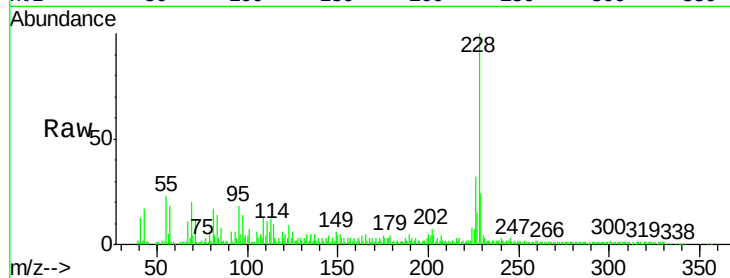
#82
 Chrysene
 Concen: 5.77 ng m
 RT: 14.01 min Scan# 1026
 Delta R.T. -0.03 min
 Lab File: BF085702.D
 Acq: 23 Mar 2016 12:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-08(6-8)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.0	37.6
229	24.2	15.7	23.5#

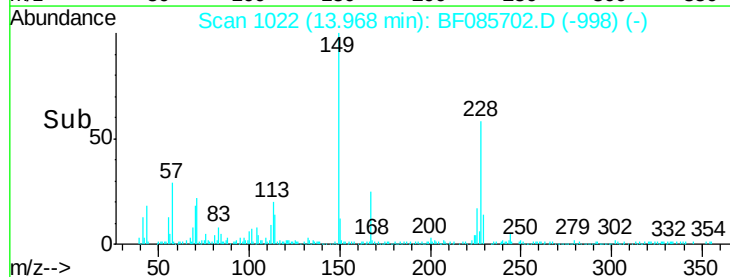
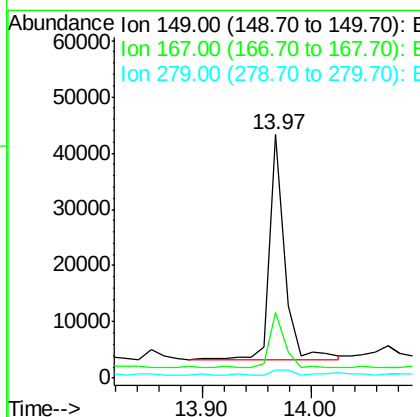
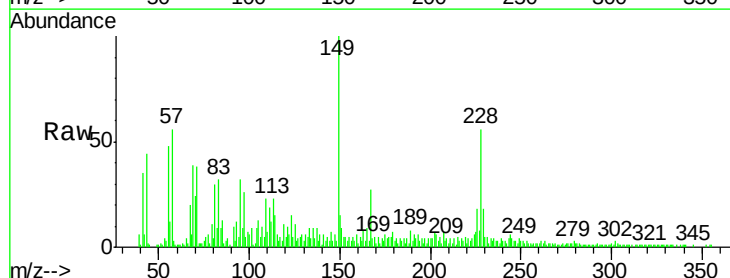
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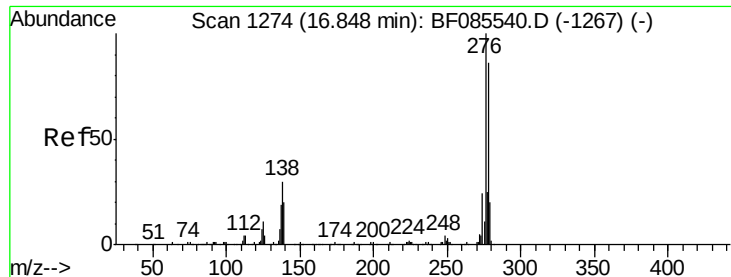
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.78 ng
 RT: 13.97 min Scan# 1022
 Delta R.T. -0.02 min
 Lab File: BF085702.D
 Acq: 23 Mar 2016 12:43

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.9	19.4	29.2
279	3.4	1.5	2.3#





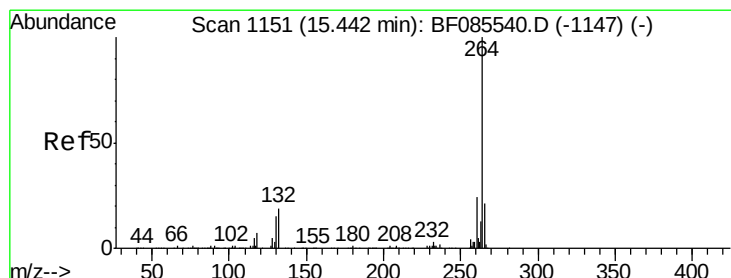
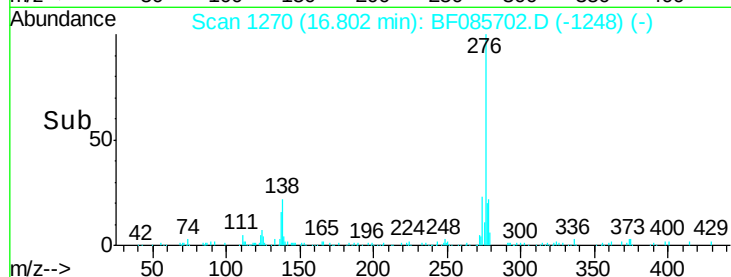
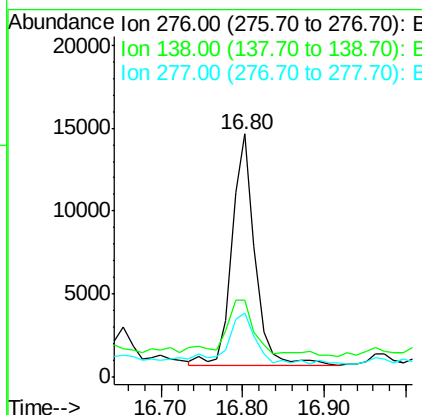
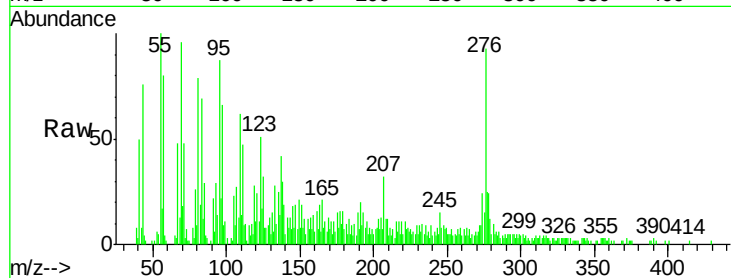
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.39 ng
 RT: 16.80 min Scan# 1270
 Delta R.T. -0.05 min
 Lab File: BF085702.D
 Acq: 23 Mar 2016 12:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-08(6-8)

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	27128		
138	27.8	24.2	36.4	
277	27.4	20.0	30.0	

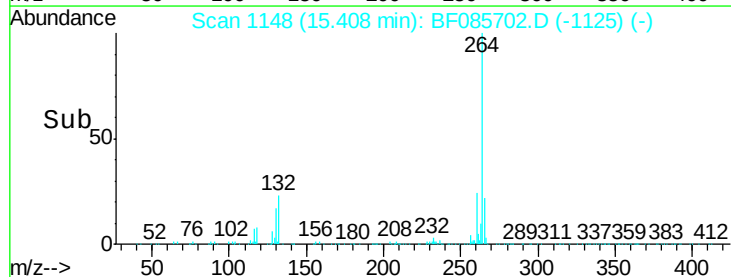
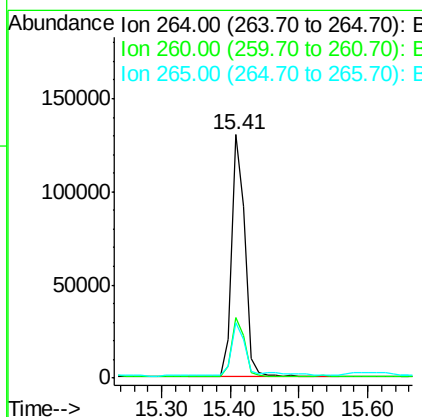
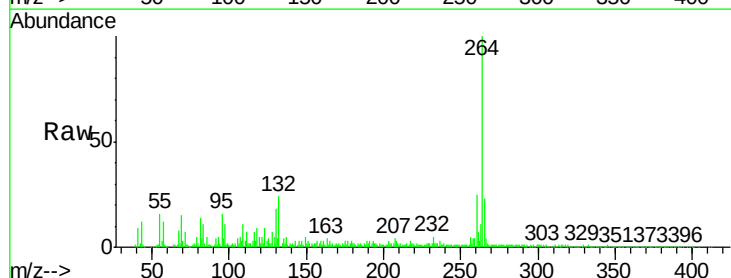
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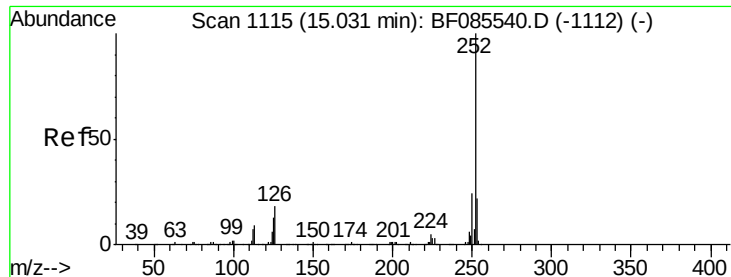
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1148
 Delta R.T. -0.03 min
 Lab File: BF085702.D
 Acq: 23 Mar 2016 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	178654		
260	25.1	19.4	29.2	
265	22.7	17.2	25.8	





#87

Benzo(b)fluoranthene

Concen: 6.91 ng m

RT: 15.01 min Scan# 1113

Delta R.T. -0.02 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

Instrument :

BNA_F

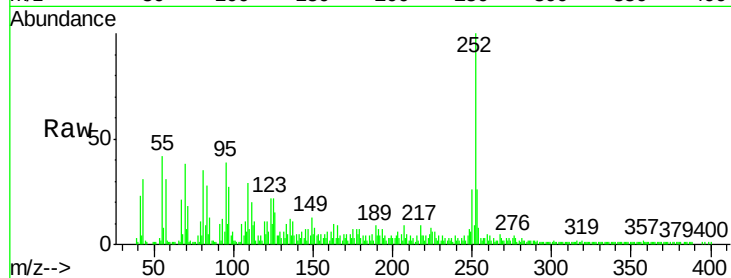
ClientSampleId :

SB-08(6-8)

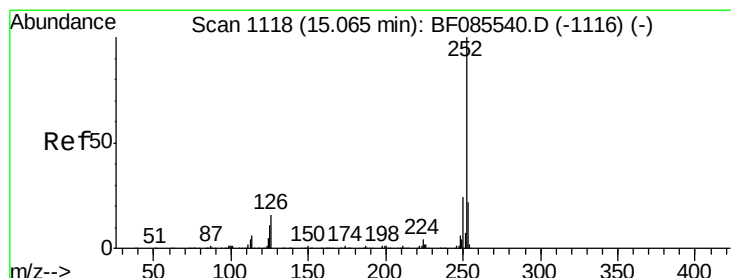
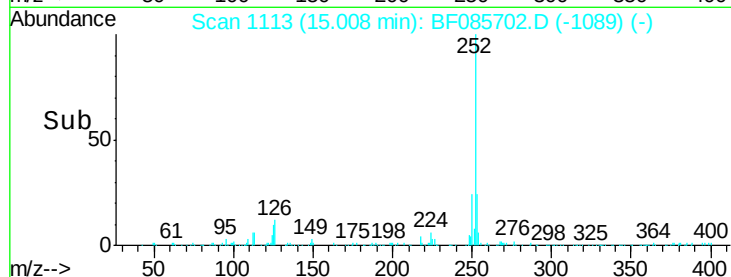
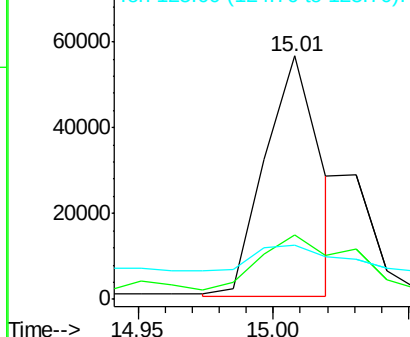
Tgt Ion:	252	Resp:	80583
Ion Ratio	Lower	Upper	
252	100		
253	26.4	17.6	26.4
125	22.3	10.3	15.5#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.63 ng m

RT: 15.03 min Scan# 1115

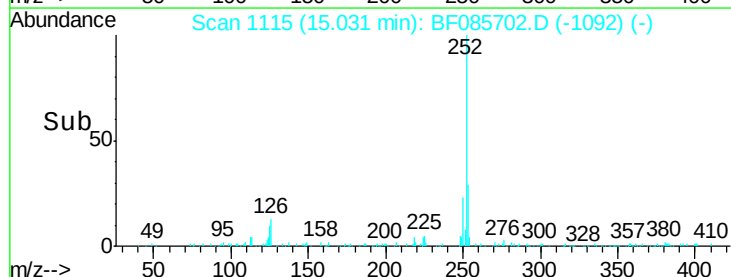
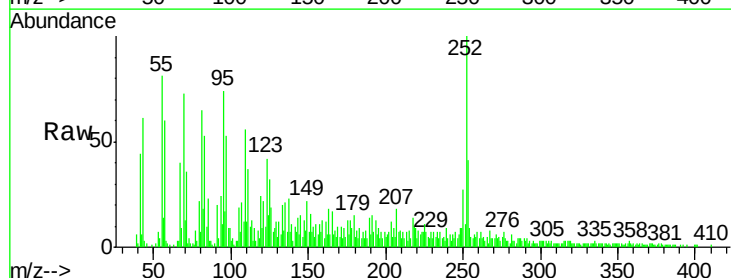
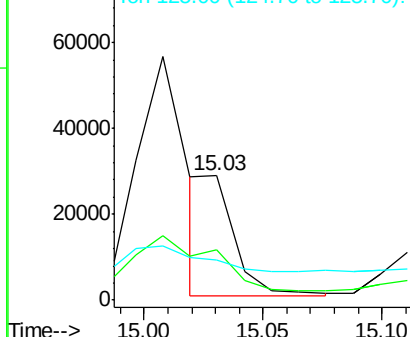
Delta R.T. -0.03 min

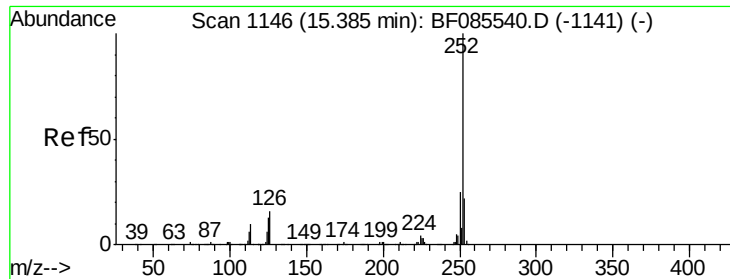
Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

Tgt Ion:	252	Resp:	25236
Ion Ratio	Lower	Upper	
252	100		
253	40.9	17.8	26.6#
125	32.3	7.7	11.5#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.93 ng

RT: 15.35 min Scan# 1143

Delta R.T. -0.03 min

Lab File: BF085702.D

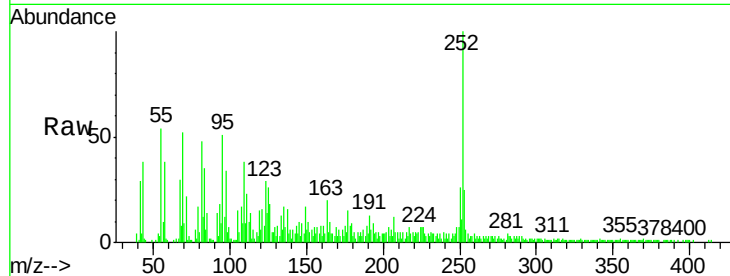
Acq: 23 Mar 2016 12:43

Instrument :

BNA_F

ClientSampleId :

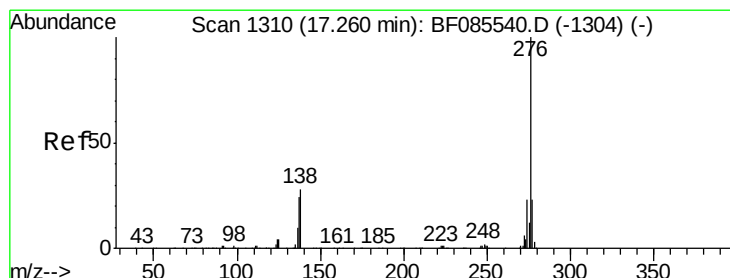
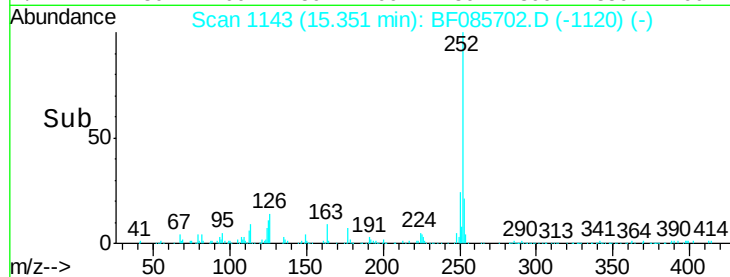
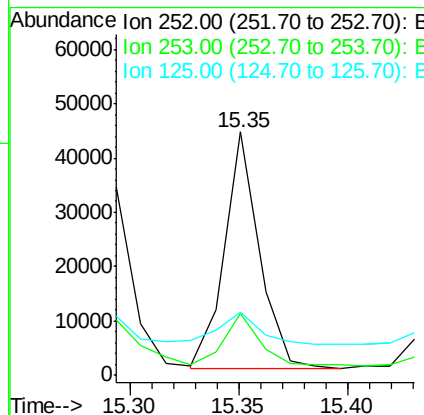
SB-08(6-8)



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	48692		
253	25.3	17.4	26.0	
125	25.8	10.3	15.5#	

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 3.08 ng

RT: 17.21 min Scan# 1306

Delta R.T. -0.05 min

Lab File: BF085702.D

Acq: 23 Mar 2016 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	24545		
277	27.7	18.8	28.2	
138	39.3	22.6	34.0#	

