

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
 Data File : BF085191.D
 Acq On : 4 Mar 2016 7:27
 Operator : SJ/UM
 Sample : H1649-04
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BT-C3(1)14W-20160301

Manual Integrations
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Quant Time: Mar 04 13:43:17 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	6.98	152	136403	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	554498	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	222717	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	361471	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	278135	20.00	ng	-0.01
86) Perylene-d12	15.61	264	281109	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	559843	68.85	ng	0.01
7) Phenol-d6	6.61	99	1404400	131.82	ng	0.00
23) Nitrobenzene-d5	7.54	82	975714	94.16	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	75540	39.64	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	1264388	86.34	ng	-0.01
78) Terphenyl-d14	13.09	244	865524	72.24	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.29	128	69947	2.57	ng	99
49) Dimethylphthalate	9.73	163	239333	14.00	ng	# 99
70) Phenanthrene	11.53	178	281503	14.86	ng	97
71) Anthracene	11.58	178	58736	2.92	ng	98
74) Fluoranthene	12.71	202	279191	14.69	ng	94
77) Pyrene	12.94	202	272671	13.03	ng	97
80) Benzo(a)anthracene	14.13	228	135913	8.16	ng	99
82) Chrysene	14.16	228	104730	6.81	ng	98
85) Indeno(1,2,3-cd)pyrene	17.08	276	49993	4.16	ng	94
87) Benzo(b)fluoranthene	15.18	252	119361m	6.37	ng	
88) Benzo(k)fluoranthene	15.19	252	55051m	3.64	ng	
89) Benzo(a)pyrene	15.55	252	98352	6.33	ng	# 93
91) Benzo(g,h,i)perylene	17.52	276	50333	3.78	ng	93

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

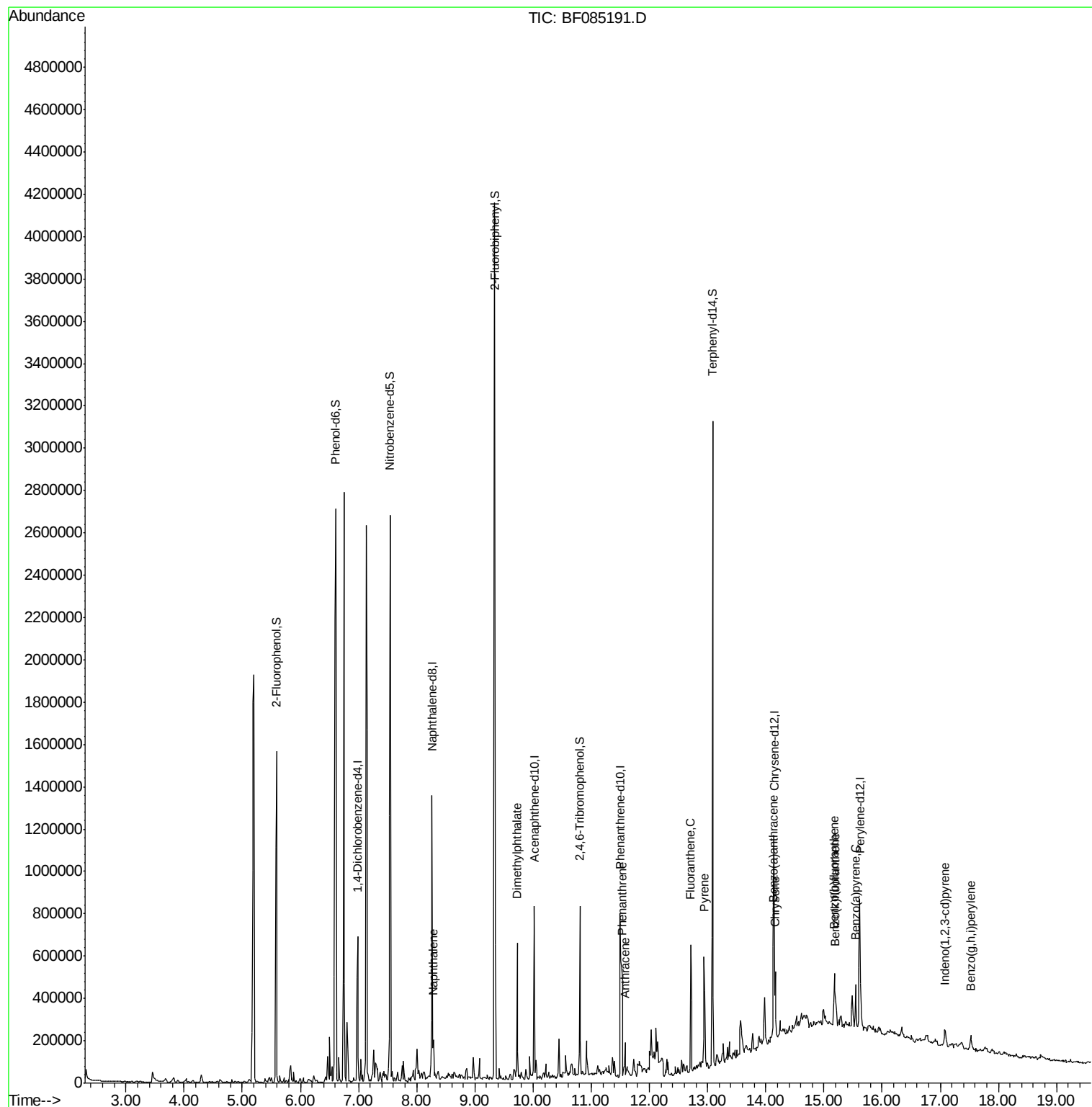
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
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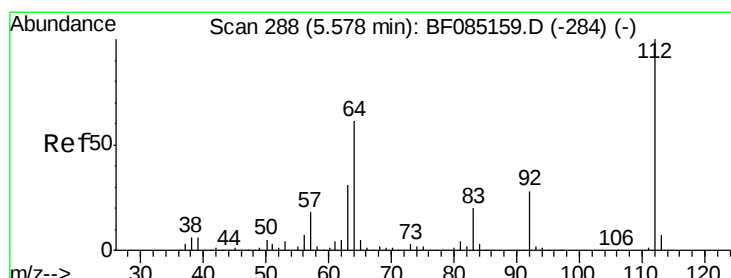
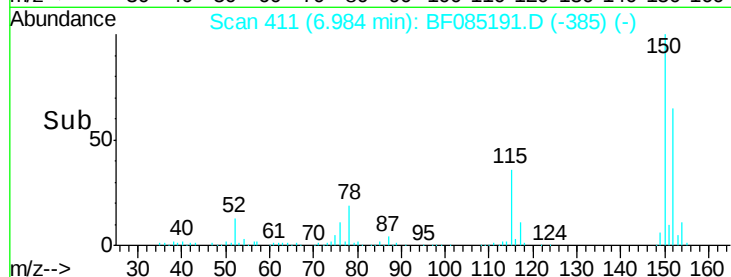
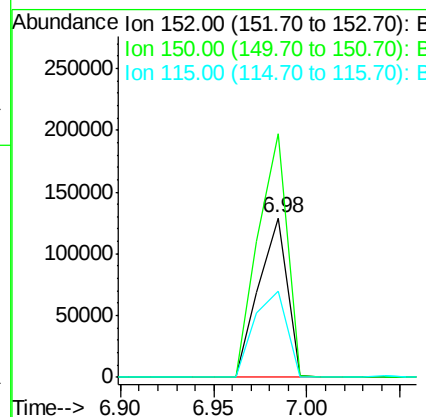
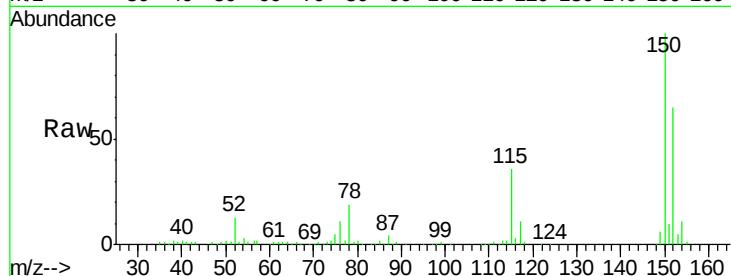
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.98 min Scan# 411
 Delta R.T. 0.00 min
 Lab File: BF085191.D
 Acq: 4 Mar 2016 7:27

Instrument :
 BNA_F
 ClientSampleId :
 BT-C3(1)14W-20160301

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.6	186.8
115	54.4	46.6	70.0

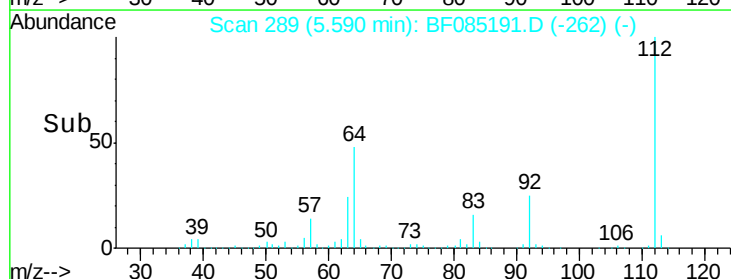
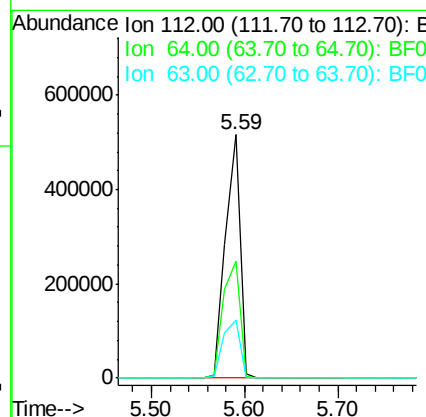
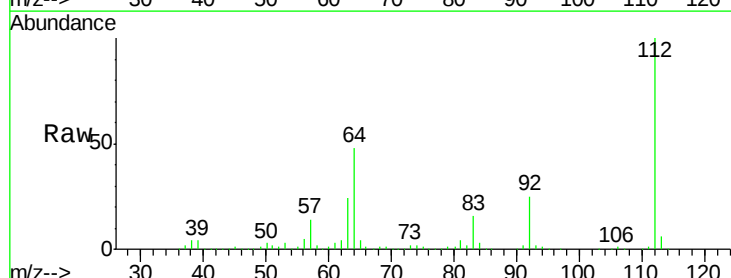
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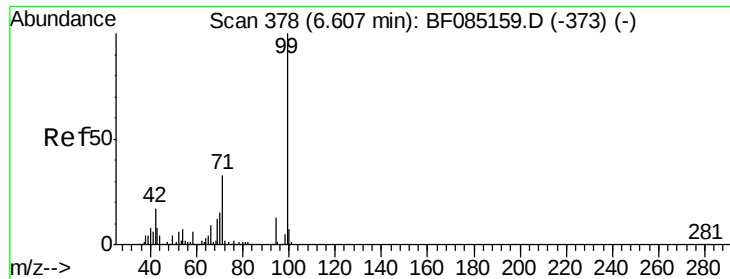
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#5
 2-Fluorophenol
 Concen: 68.85 ng
 RT: 5.59 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: BF085191.D
 Acq: 4 Mar 2016 7:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.8	49.0	73.4#
63	23.7	24.8	37.2#





#7

Phenol-d6

Concen: 131.82 ng

RT: 6.61 min Scan# 378

Delta R.T. 0.00 min

Lab File: BF085191.D

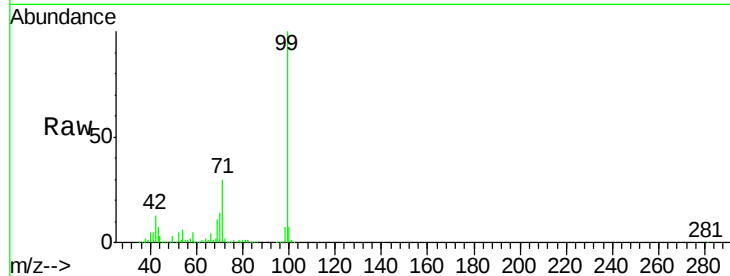
Acq: 4 Mar 2016 7:27

Instrument :

BNA_F

ClientSampleId :

BT-C3(1)14W-20160301



Tgt Ion: 99 Resp: 1404400

Ion Ratio Lower Upper

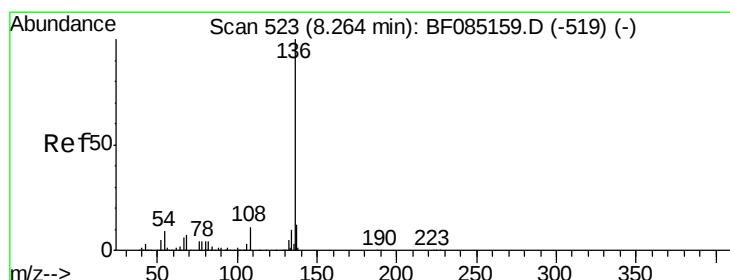
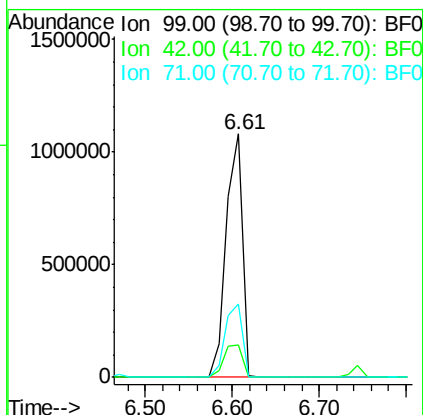
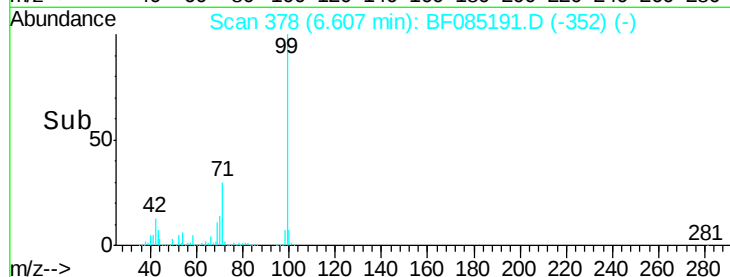
99 100

42 13.2 13.6 20.4#

71 30.2 26.7 40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF085191.D

Acq: 4 Mar 2016 7:27

Tgt Ion: 136 Resp: 554498

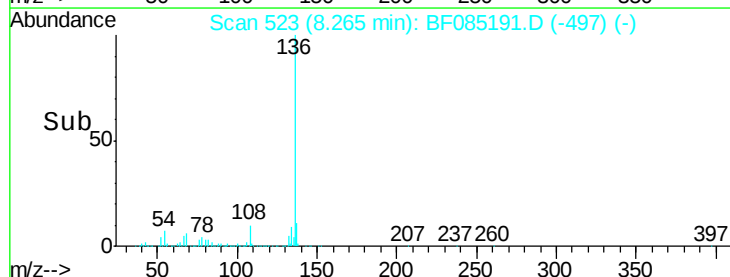
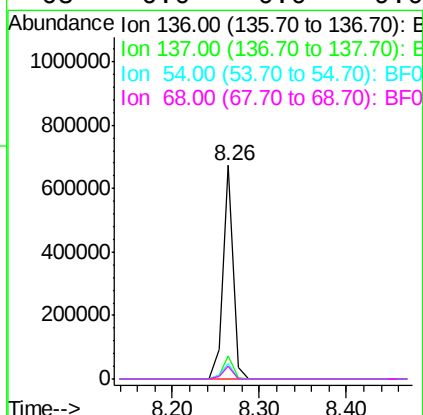
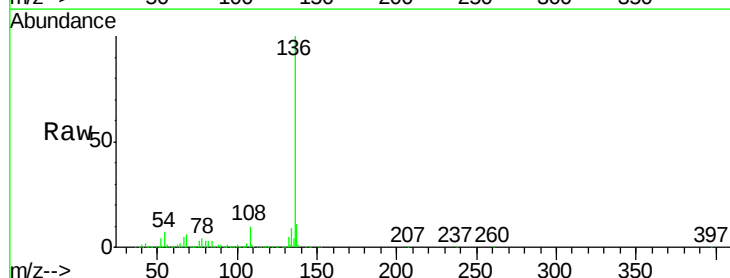
Ion Ratio Lower Upper

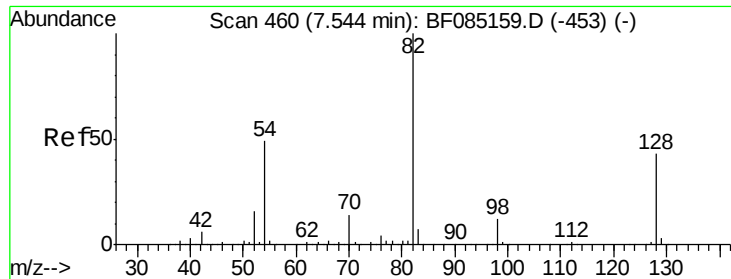
136 100

137 10.9 9.3 13.9

54 7.0 7.4 11.2#

68 6.0 6.0 9.0





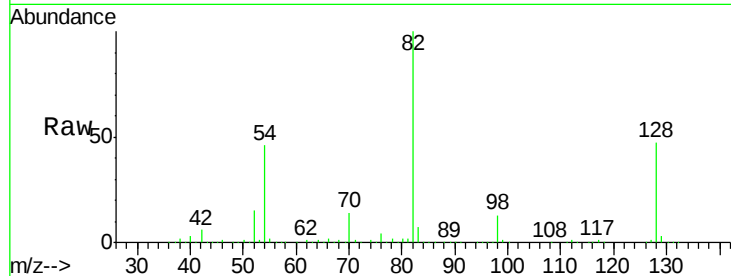
#23
 Nitrobenzene-d5
 Concen: 94.16 ng
 RT: 7.54 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: BF085191.D
 Acq: 4 Mar 2016 7:27

Instrument :
 BNA_F
 ClientSampleId :
 BT-C3(1)14W-20160301

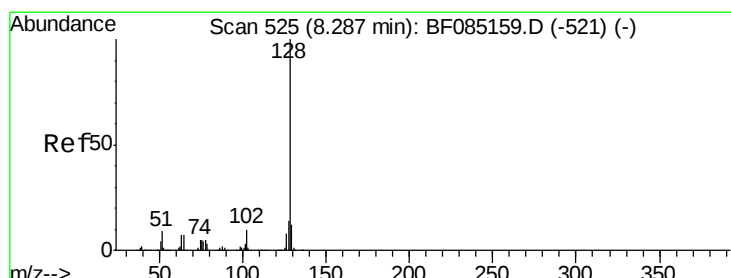
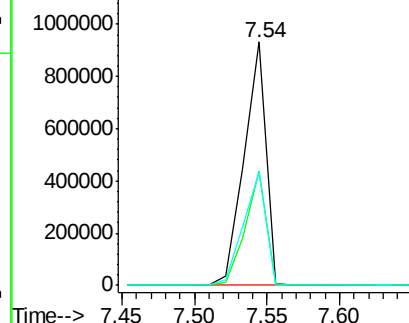
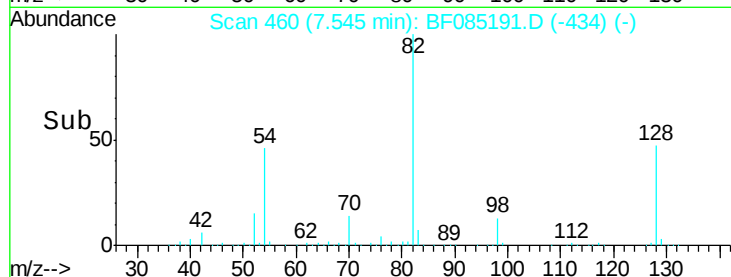
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.8	34.5	51.7
54	46.4	39.3	58.9

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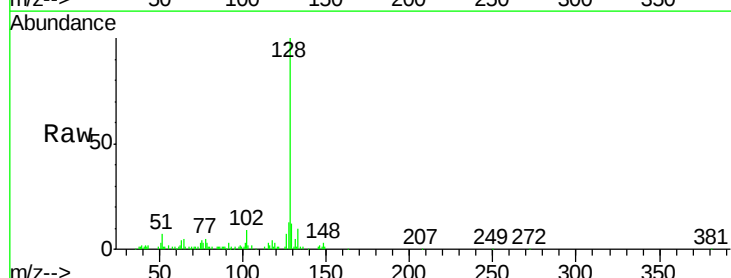


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

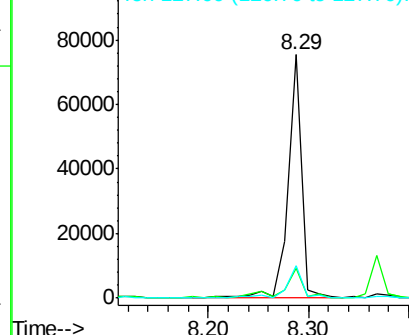
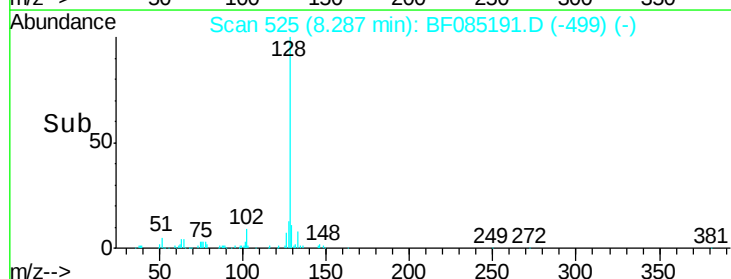


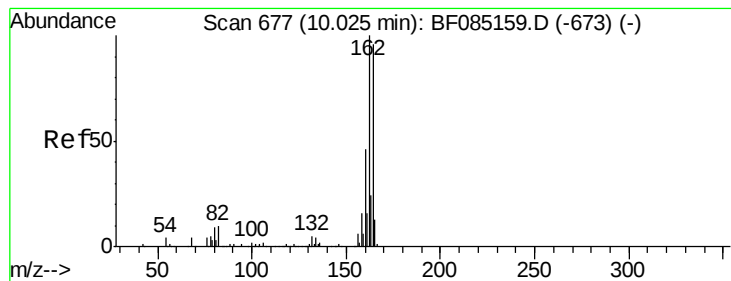
#31
 Naphthalene
 Concen: 2.57 ng
 RT: 8.29 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: BF085191.D
 Acq: 4 Mar 2016 7:27

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.7	14.5
127	13.4	11.2	16.8



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.02 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF085191.D

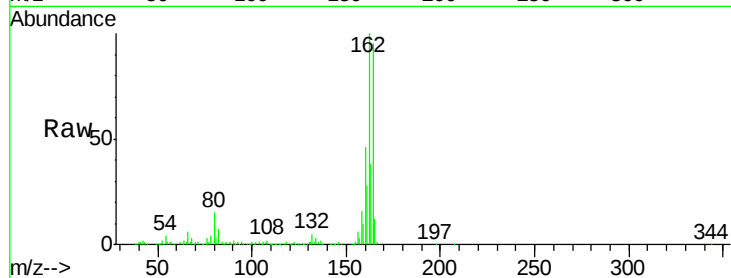
Acq: 4 Mar 2016 7:27

Instrument :

BNA_F

ClientSampleId :

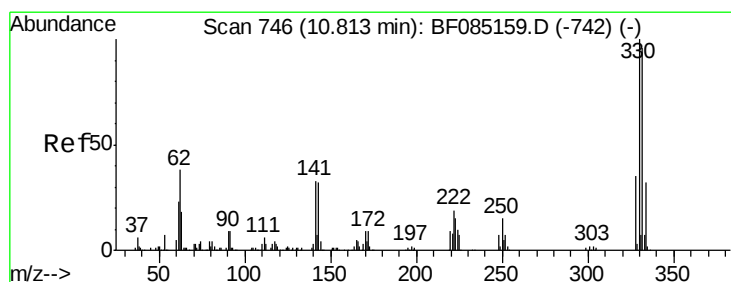
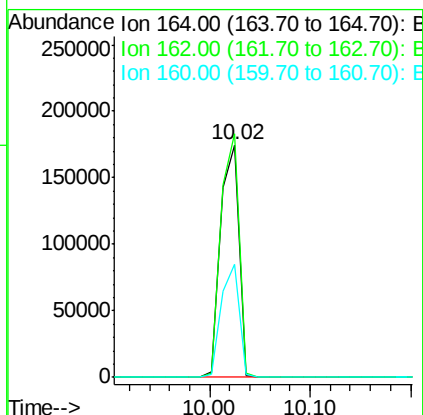
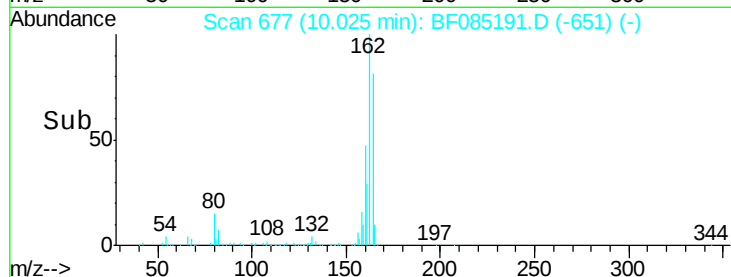
BT-C3(1)14W-20160301



Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.9	83.3	124.9	
160	48.7	37.9	56.9	

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#41

2,4,6-Tribromophenol

Concen: 39.64 ng

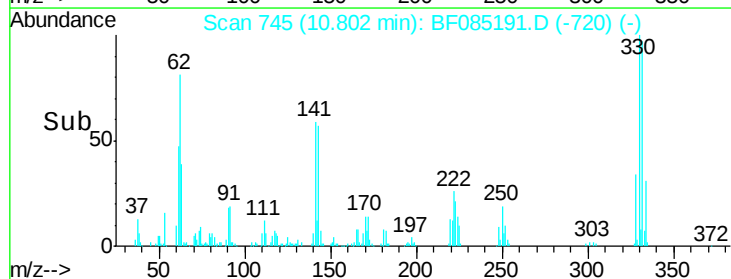
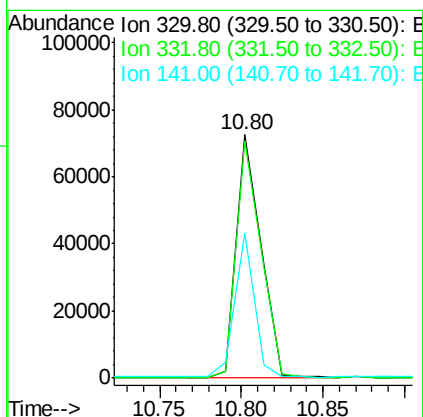
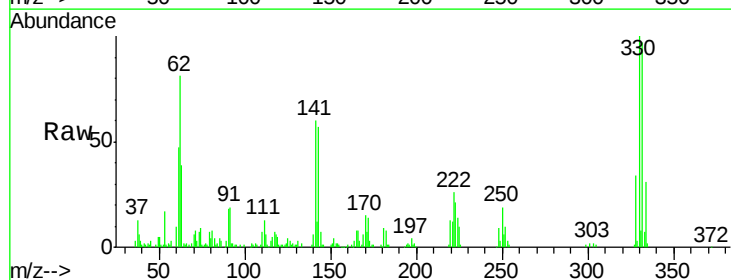
RT: 10.80 min Scan# 745

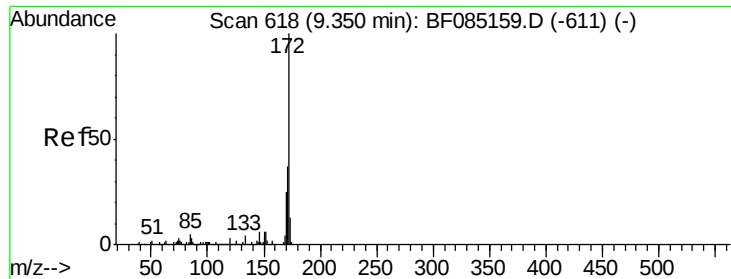
Delta R.T. -0.01 min

Lab File: BF085191.D

Acq: 4 Mar 2016 7:27

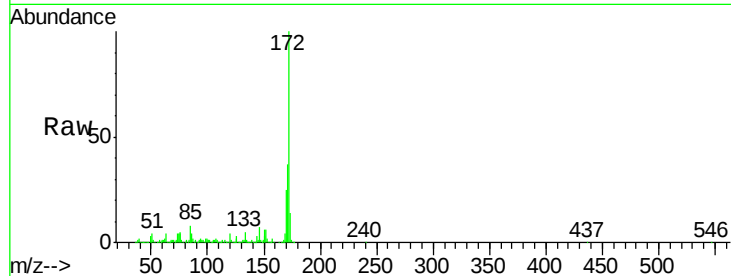
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.6	77.1	115.7	
141	48.2	35.0	52.6	





#44
2-Fluorobiphenyl
Concen: 86.34 ng
RT: 9.34 min Scan# 617
Delta R.T. -0.01 min
Lab File: BF085191.D
Acq: 4 Mar 2016 7:27

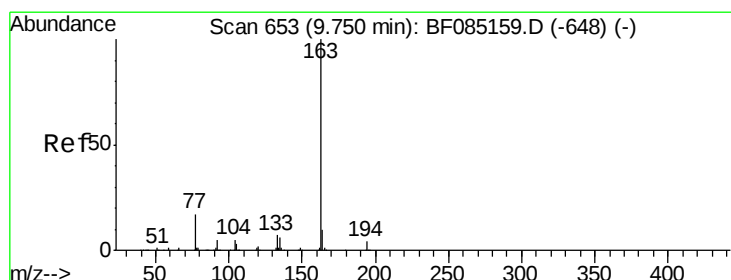
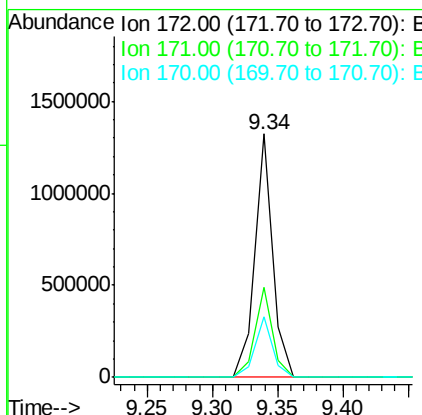
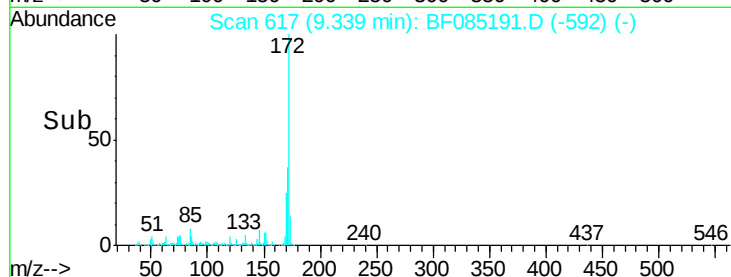
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:172 Resp: 1264388
Ion Ratio Lower Upper
172 100
171 37.1 29.3 43.9
170 24.9 20.0 30.0

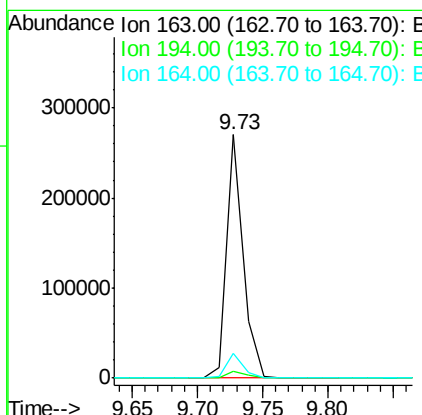
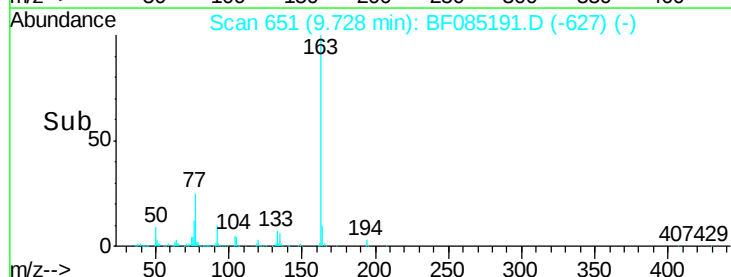
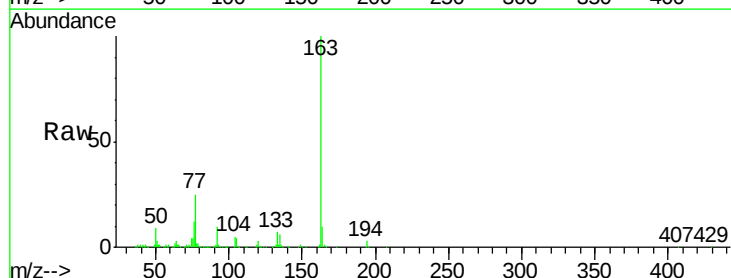
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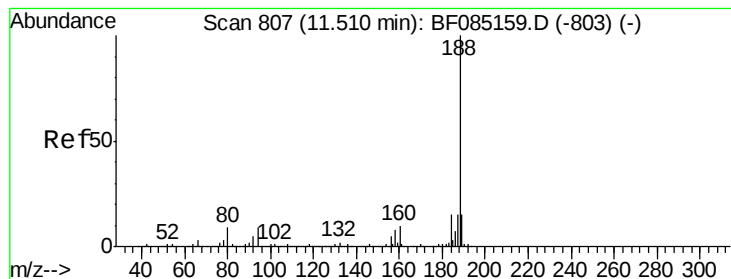
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#49
Dimethylphthalate
Concen: 14.00 ng
RT: 9.73 min Scan# 651
Delta R.T. -0.02 min
Lab File: BF085191.D
Acq: 4 Mar 2016 7:27

Tgt Ion:163 Resp: 239333
Ion Ratio Lower Upper
163 100
194 3.0 3.1 4.7#
164 10.3 8.2 12.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF085191.D

Acq: 4 Mar 2016 7:27

Instrument :

BNA_F

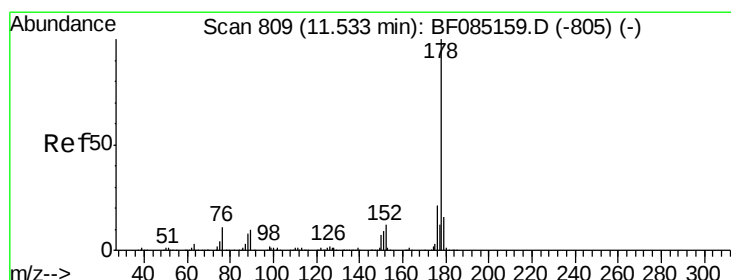
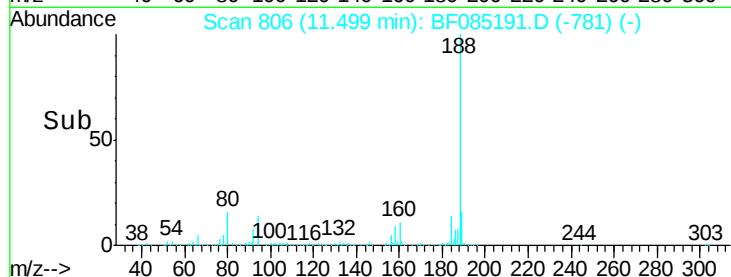
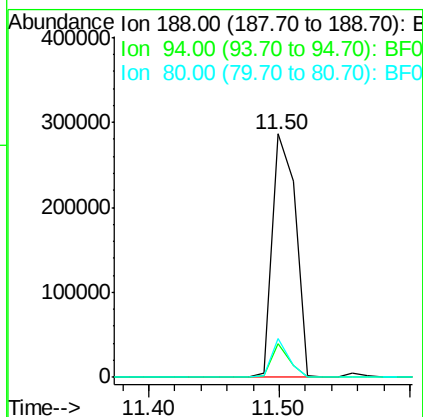
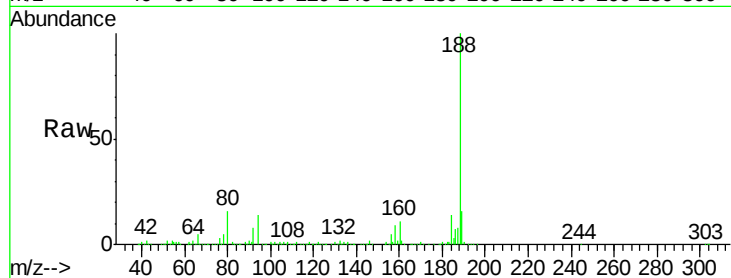
ClientSampleId :

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Tgt Ion:	188	Resp:	361471
Ion Ratio	Lower	Upper	
188	100		
94	14.1	7.0	10.6#
80	15.8	7.4	11.0#

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#70

Phenanthrene

Concen: 14.86 ng

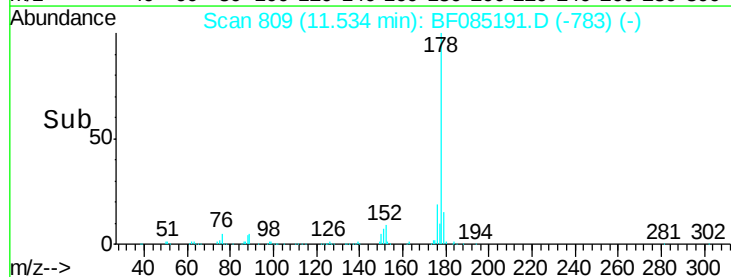
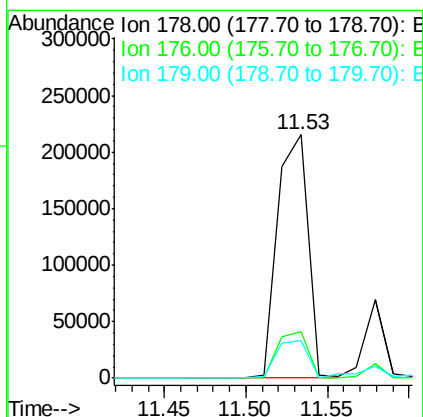
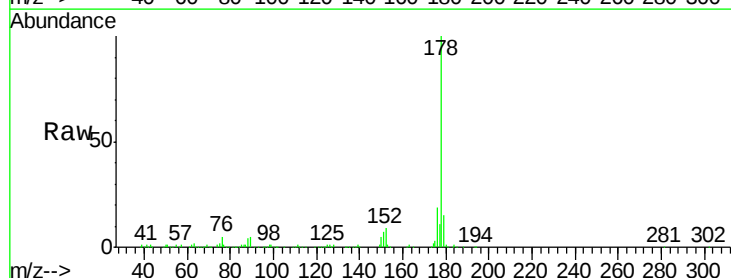
RT: 11.53 min Scan# 809

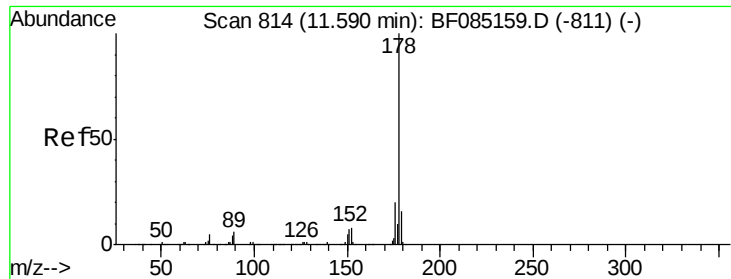
Delta R.T. 0.00 min

Lab File: BF085191.D

Acq: 4 Mar 2016 7:27

Tgt Ion:	178	Resp:	281503
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.8	25.2
179	15.4	13.1	19.7





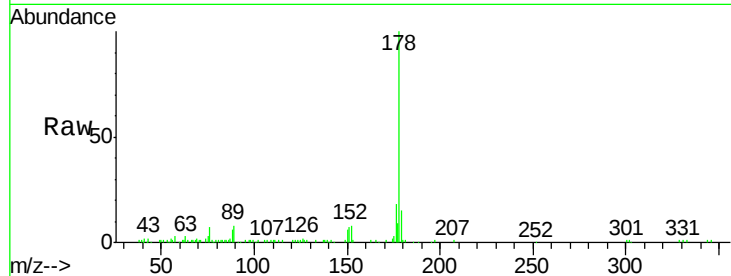
#71
 Anthracene
 Concen: 2.92 ng
 RT: 11.58 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF085191.D
 Acq: 4 Mar 2016 7:27

Instrument :
 BNA_F
 ClientSampleId :
 BT-C3(1)14W-20160301

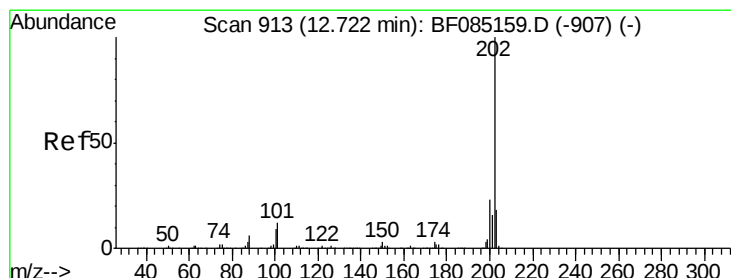
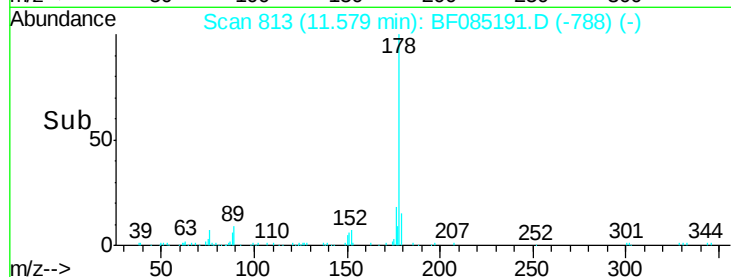
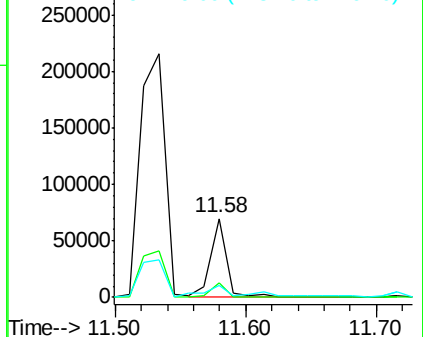
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.9	23.9
179	15.3	12.5	18.7

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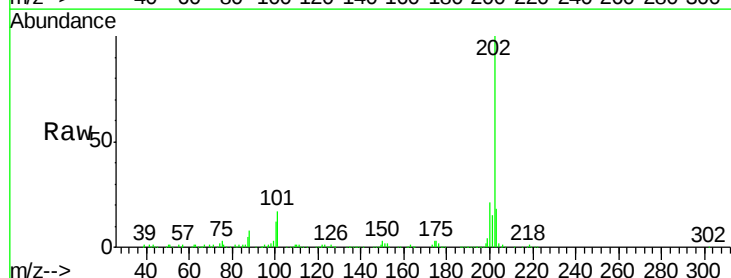


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

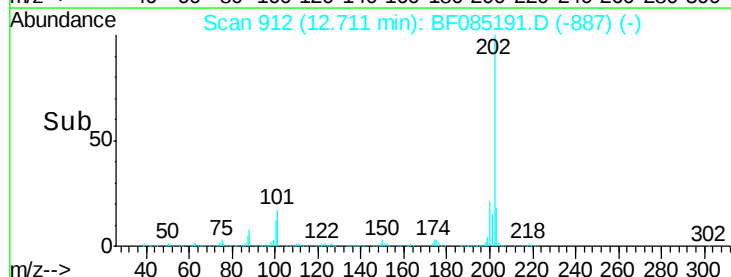
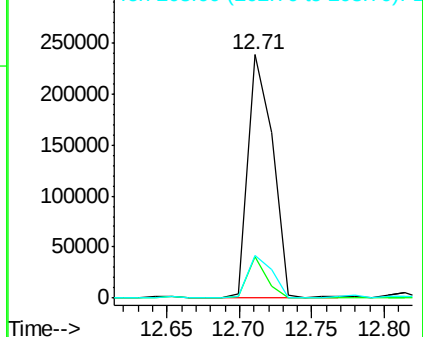


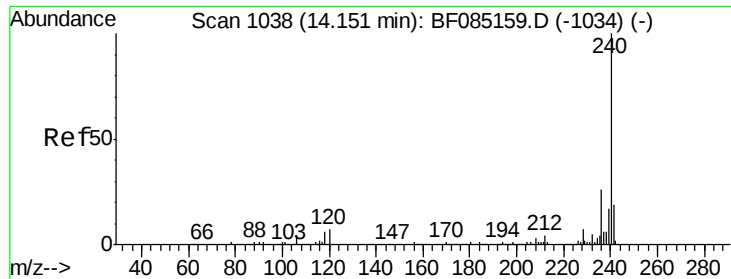
#74
 Fluoranthene
 Concen: 14.69 ng
 RT: 12.71 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF085191.D
 Acq: 4 Mar 2016 7:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.2	0.0	31.8
203	17.7	0.0	38.4



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.14 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF085191.D

Acq: 4 Mar 2016 7:27

Instrument :

BNA_F

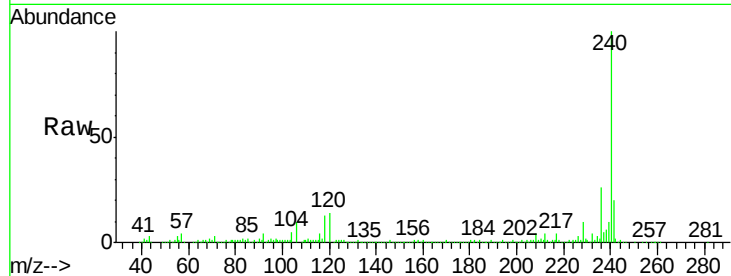
ClientSampleId :

BT-C3(1)14W-20160301

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	278135		
120	14.0	5.3	7.9#	
236	25.7	20.7	31.1	

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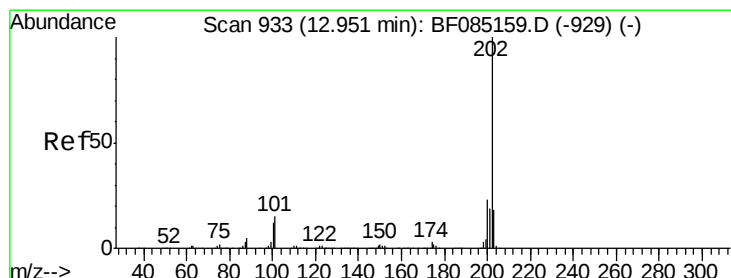
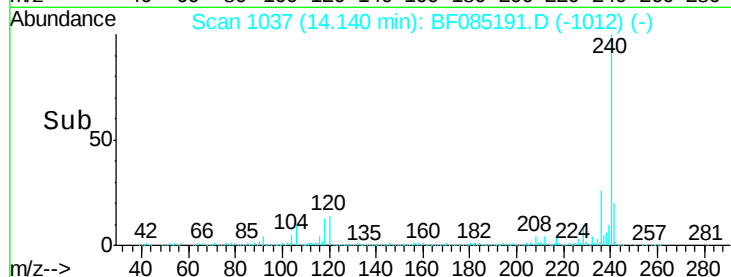
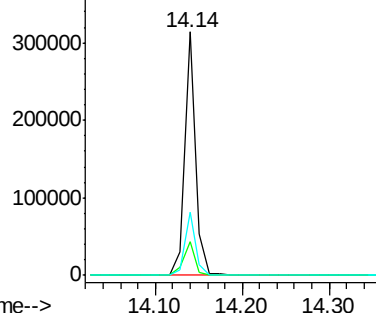
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 13.03 ng

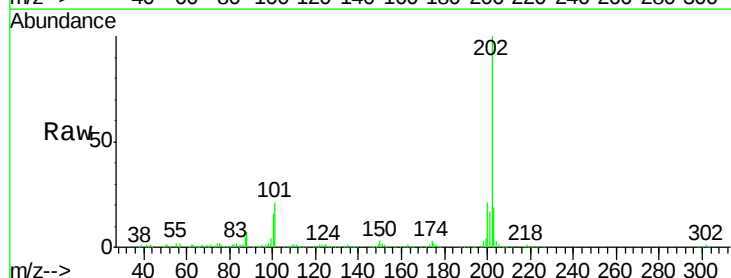
RT: 12.94 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF085191.D

Acq: 4 Mar 2016 7:27

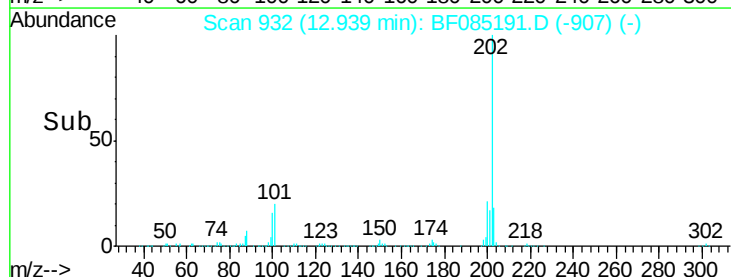
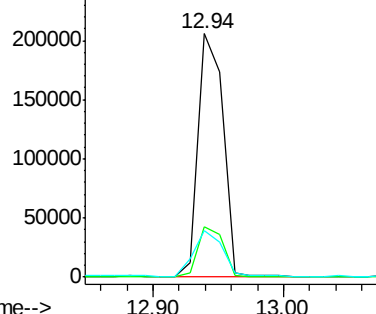
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	272671		
200	20.8	18.2	27.4	
203	19.1	14.7	22.1	

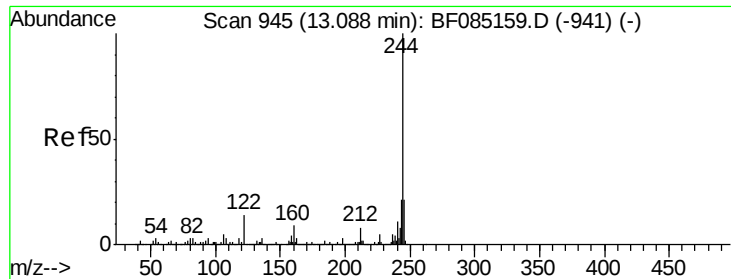


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.24 ng

RT: 13.09 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF085191.D

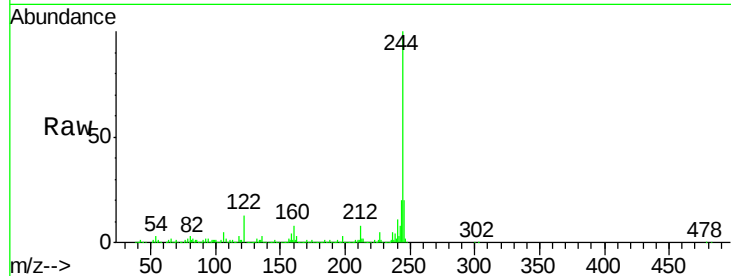
Acq: 4 Mar 2016 7:27

Instrument :

BNA_F

ClientSampleId :

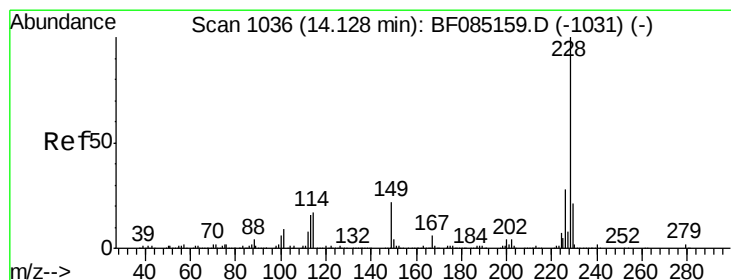
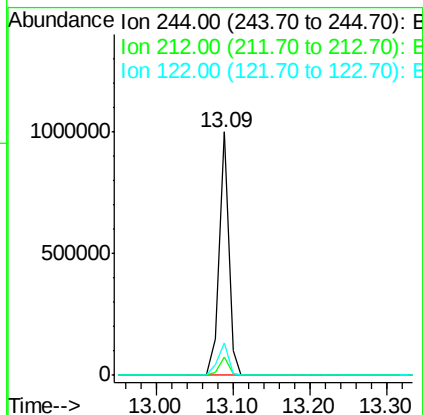
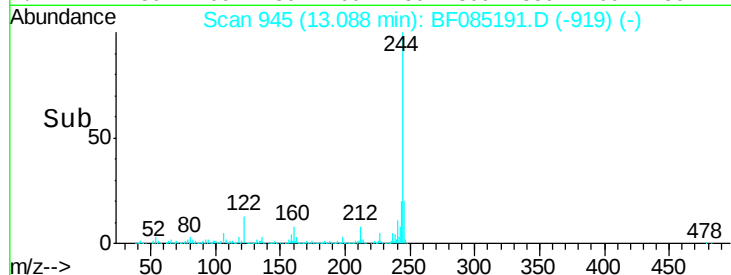
BT-C3(1)14W-20160301



Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.4	9.6
122	13.4	11.4	17.2

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 8.16 ng

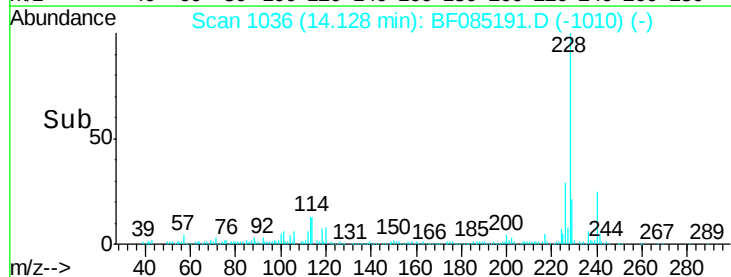
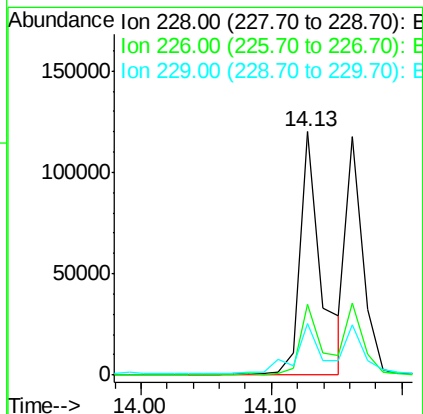
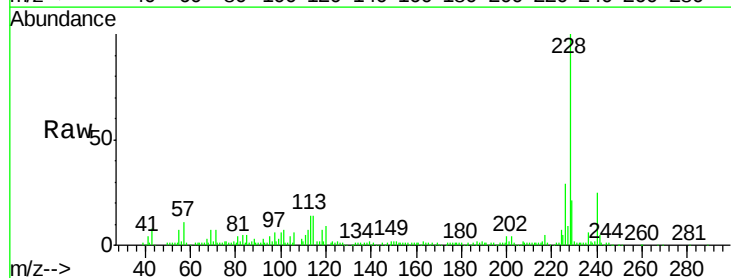
RT: 14.13 min Scan# 1036

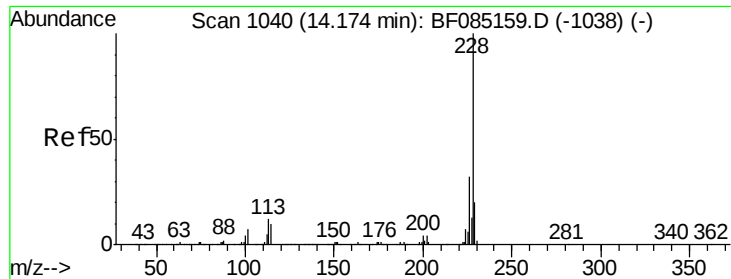
Delta R.T. 0.00 min

Lab File: BF085191.D

Acq: 4 Mar 2016 7:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.8	34.2
229	21.0	16.6	24.8





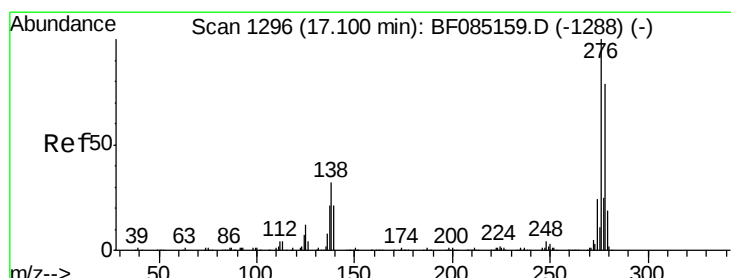
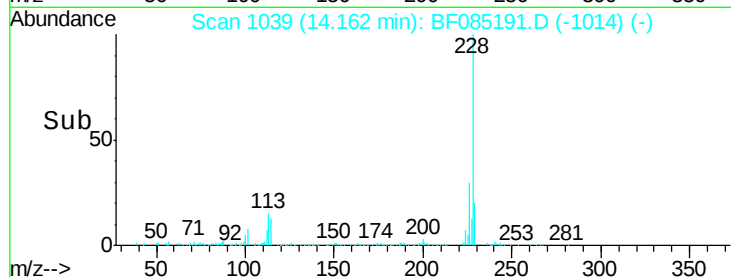
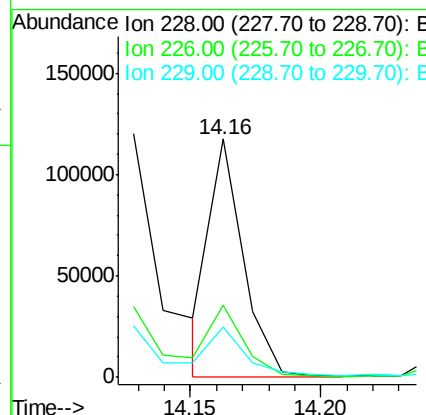
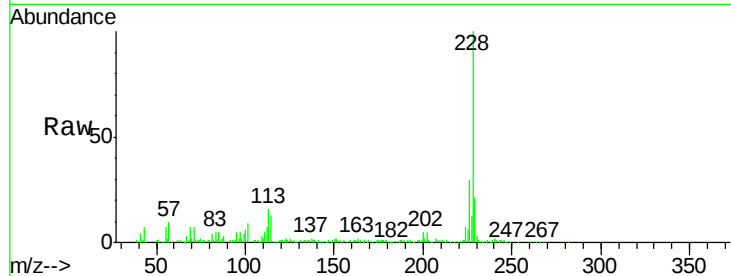
#82
Chrysene
Concen: 6.81 ng
RT: 14.16 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF085191.D
Acq: 4 Mar 2016 7:27

Instrument :
BNA_F
ClientSampleId :
BT-C3(1)14W-20160301

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.2	37.8
229	21.2	16.0	24.0

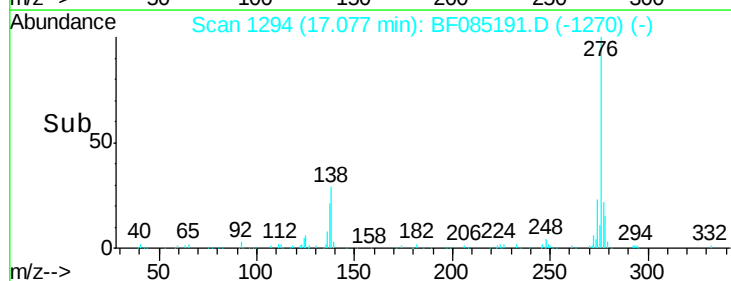
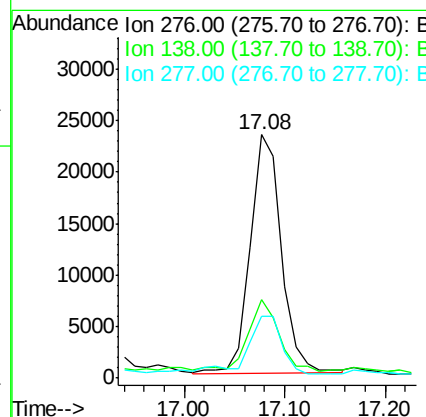
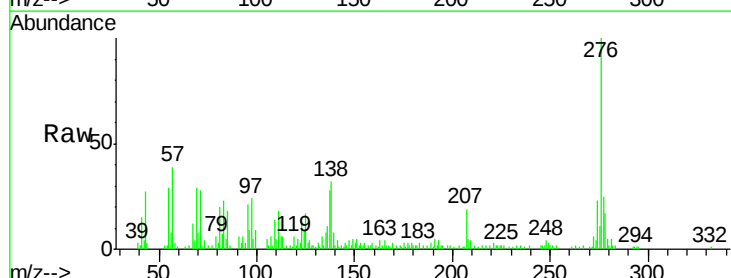
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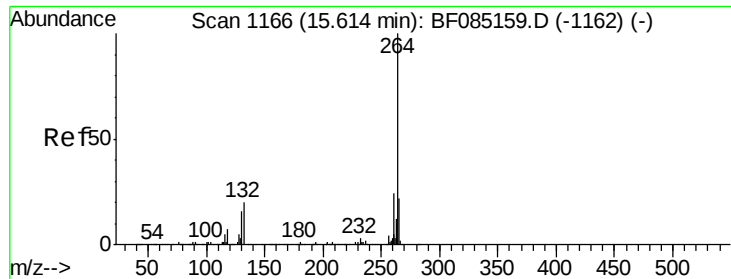
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.16 ng
RT: 17.08 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF085191.D
Acq: 4 Mar 2016 7:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.6	26.4	39.6
277	27.2	20.2	30.2





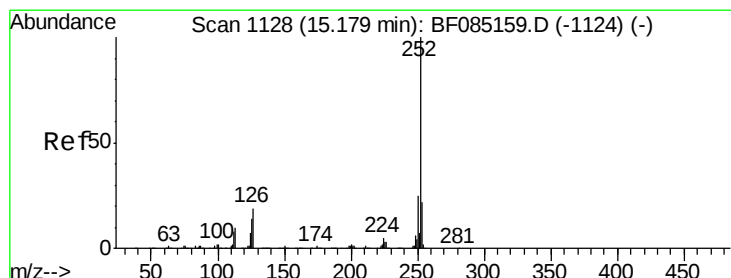
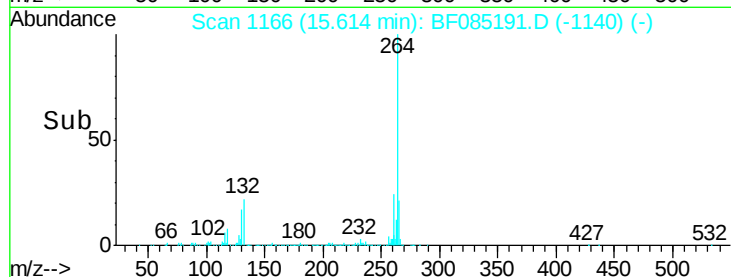
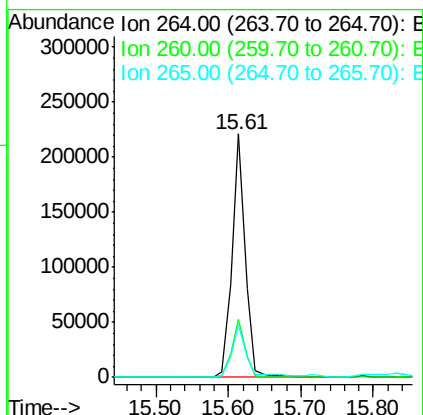
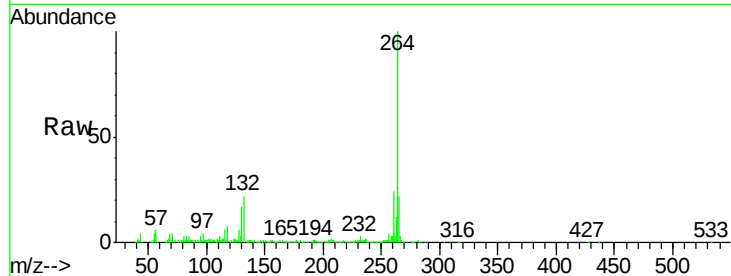
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.61 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF085191.D
Acq: 4 Mar 2016 7:27

Instrument :
BNA_F
ClientSampleId :
BT-C3(1)14W-20160301

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.5	17.3	25.9

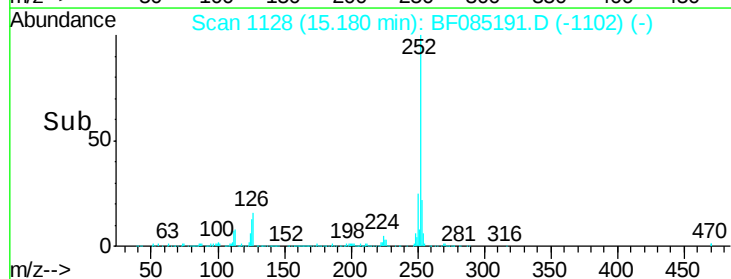
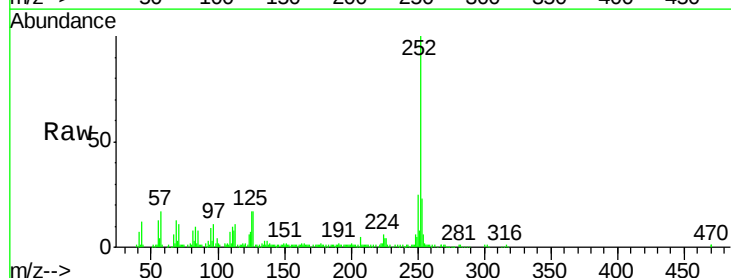
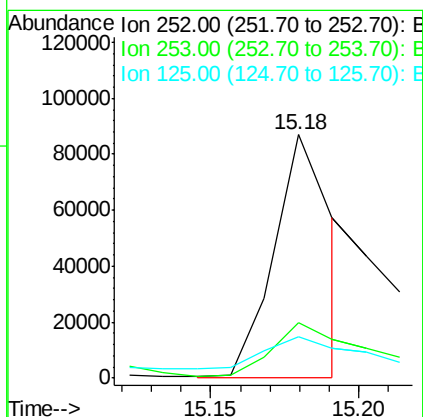
Manual Integrations
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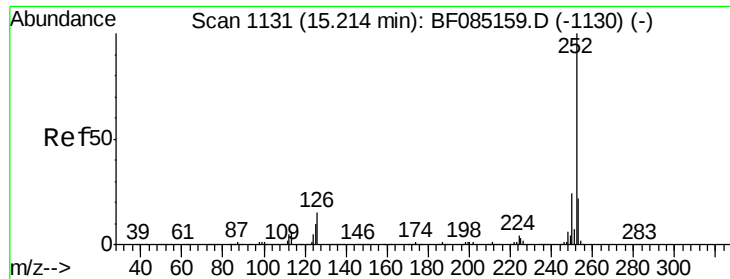
Sohil
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#87
Benzo(b)fluoranthene
Concen: 6.37 ng m
RT: 15.18 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF085191.D
Acq: 4 Mar 2016 7:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	17.0	11.3	16.9#





#88

Benzo(k)fluoranthene

Concen: 3.64 ng m

RT: 15.19 min Scan# 1129

Delta R.T. -0.02 min

Lab File: BF085191.D

Acq: 4 Mar 2016 7:27

Instrument :

BNA_F

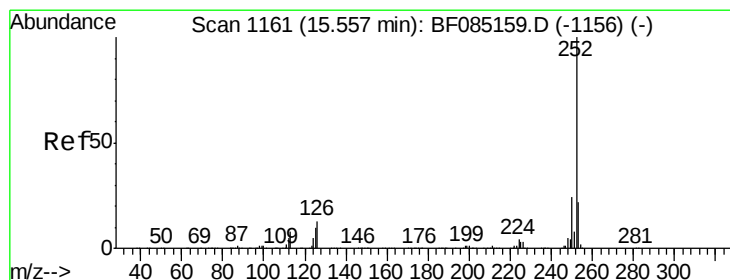
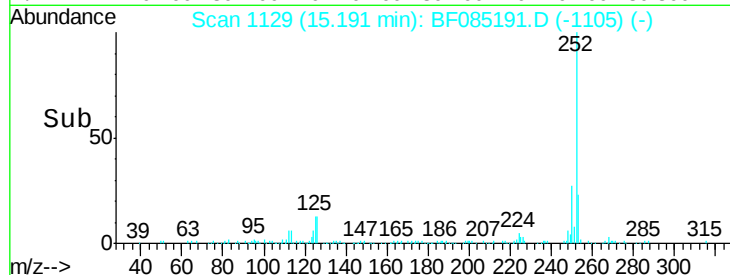
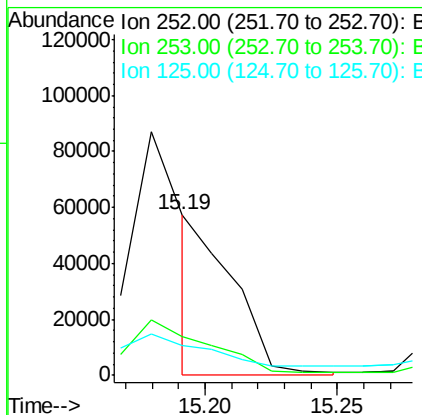
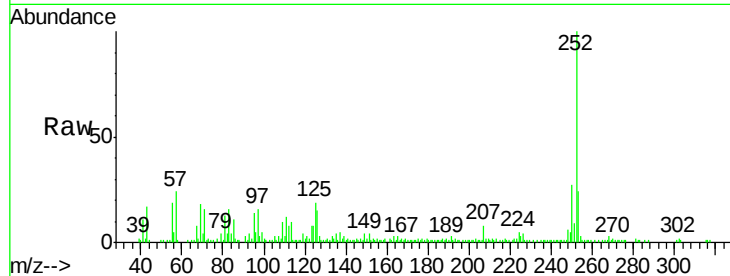
ClientSampleId :

BT-C3(1)14W-20160301

Tgt	Ion	Ratio	Lower	Upper
252	100			
253	24.1	17.8	26.6	
125	18.5	10.4	15.6	

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#89

Benzo(a)pyrene

Concen: 6.33 ng

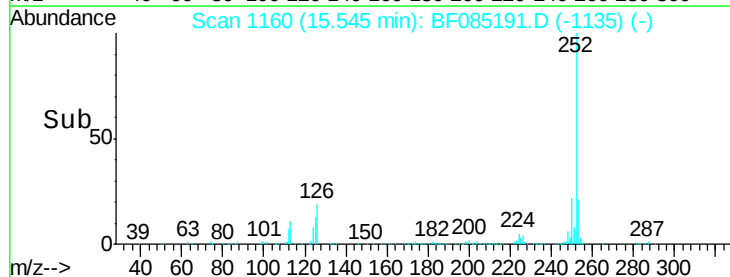
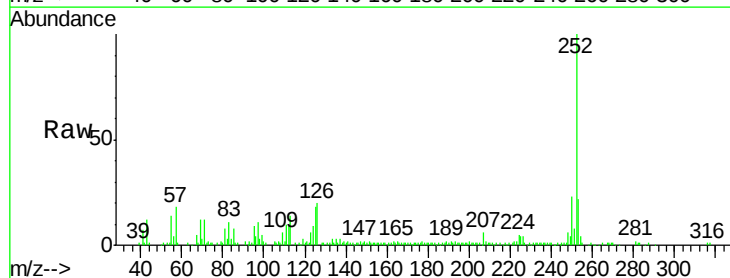
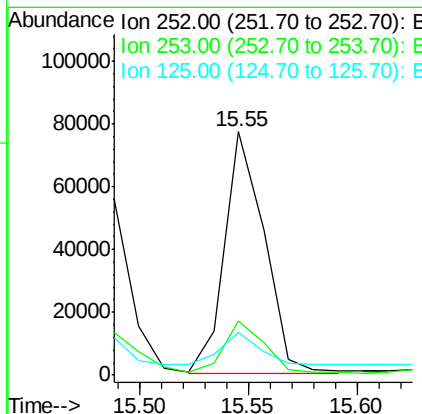
RT: 15.55 min Scan# 1160

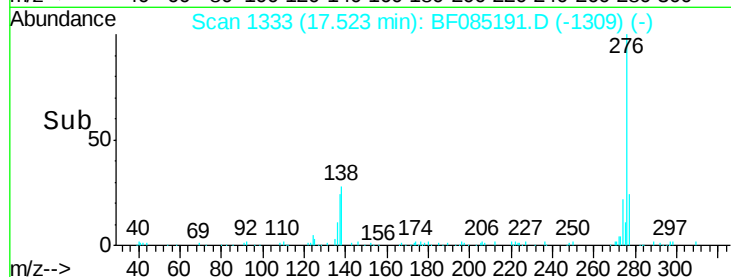
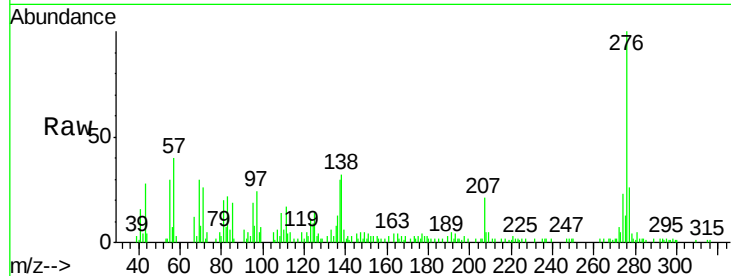
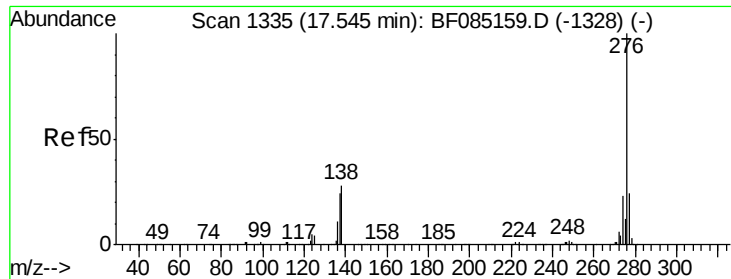
Delta R.T. -0.01 min

Lab File: BF085191.D

Acq: 4 Mar 2016 7:27

Tgt	Ion	Ratio	Lower	Upper
252	100			
253	22.1	17.4	26.0	
125	17.6	8.2	12.4	





#91
Benzo(g,h,i)perylene
Concen: 3.78 ng
RT: 17.52 min Scan# 1333
Delta R.T. -0.02 min
Lab File: BF085191.D
Acq: 4 Mar 2016 7:27

Instrument :
BNA_F
ClientSampleId :
BT-C3(1)14W-20160301

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.0	28.4
138	32.1	22.5	33.7

Manual Integrations
APPROVED

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