

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
 Data File : BF085184.D
 Acq On : 4 Mar 2016 4:13
 Operator : SJ/UM
 Sample : H1661-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-37-COMP

Manual Integrations
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Quant Time: Mar 04 06:08:42 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	6.97	152	140915	20.00	ng	-0.01
21) Naphthalene-d8	8.26	136	582184	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	209522	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	327075	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	284630	20.00	ng	-0.01
86) Perylene-d12	15.61	264	283423	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	537588	63.99	ng	0.00
7) Phenol-d6	6.60	99	1079775	98.10	ng	-0.01
23) Nitrobenzene-d5	7.54	82	866879	79.68	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	25055	13.98	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	1153713	83.74	ng	-0.01
78) Terphenyl-d14	13.09	244	808104	65.91	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.73	163	280245	17.43	ng	99
70) Phenanthrene	11.52	178	111346m	6.50	ng	
71) Anthracene	11.58	178	37642m	2.07	ng	
74) Fluoranthene	12.71	202	366886	21.33	ng	95
77) Pyrene	12.94	202	357436m	16.68	ng	
80) Benzo(a)anthracene	14.13	228	190172	11.16	ng	97
82) Chrysene	14.16	228	128579	8.17	ng	96
83) Bis(2-ethylhexyl)phthalate	14.12	149	26323	2.06	ng	# 96
85) Indeno(1,2,3-cd)pyrene	17.09	276	63745	5.19	ng	96
87) Benzo(b)fluoranthene	15.18	252	206482m	10.93	ng	
88) Benzo(k)fluoranthene	15.20	252	48058m	3.15	ng	
89) Benzo(a)pyrene	15.56	252	126383	8.07	ng	# 89
91) Benzo(g,h,i)perylene	17.53	276	62207	4.63	ng	# 88

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

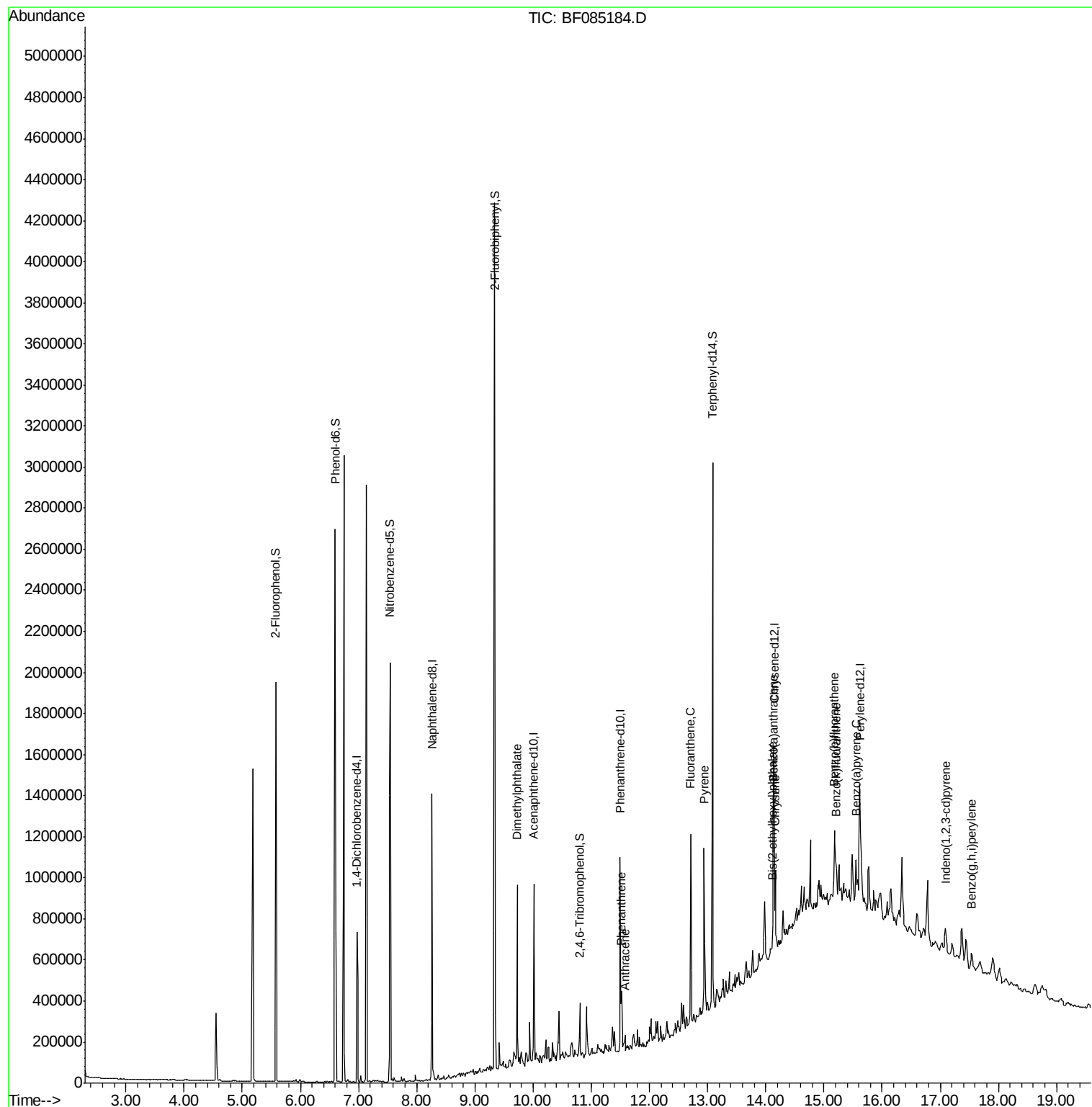
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
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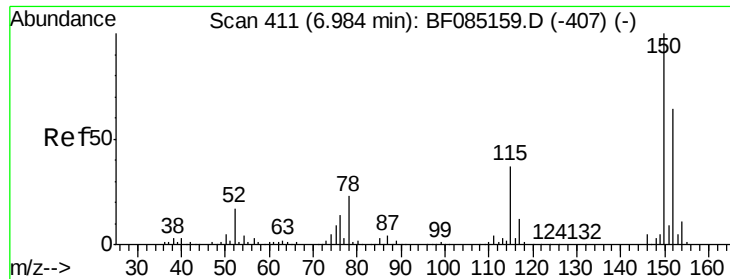
Instrument :
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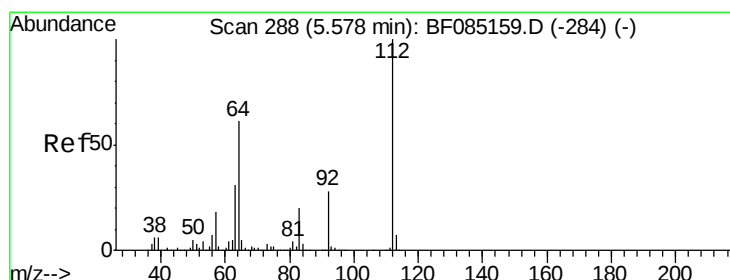
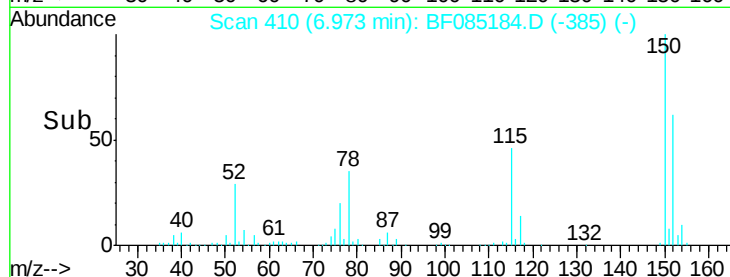
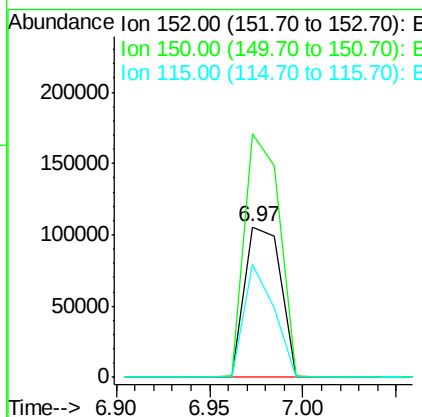
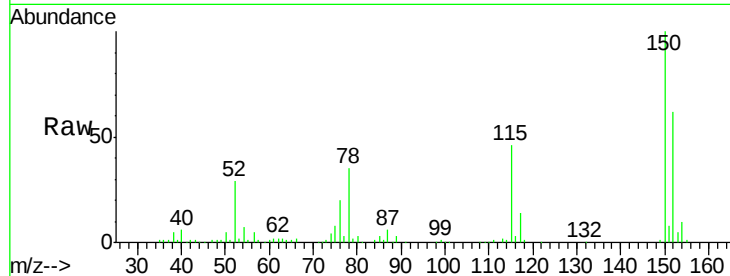
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.97 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: BF085184.D
 Acq: 4 Mar 2016 4:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-37-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	140915		
150	161.6	124.6	186.8	
115	75.1	46.6	70.0	

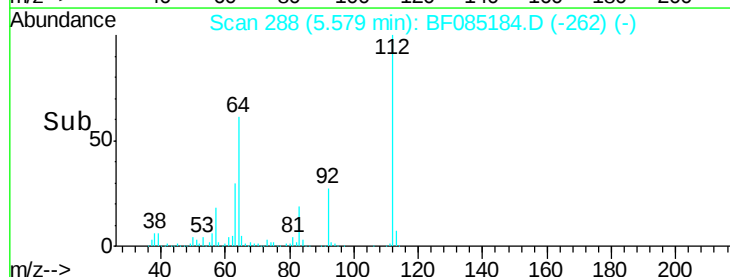
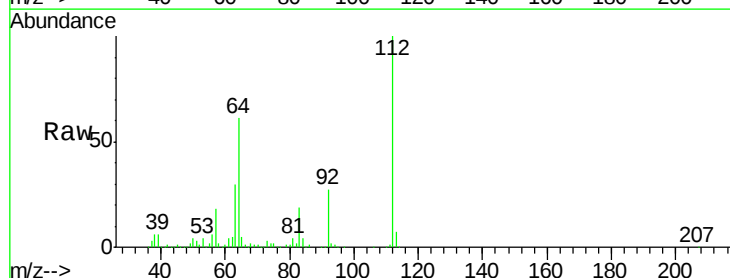
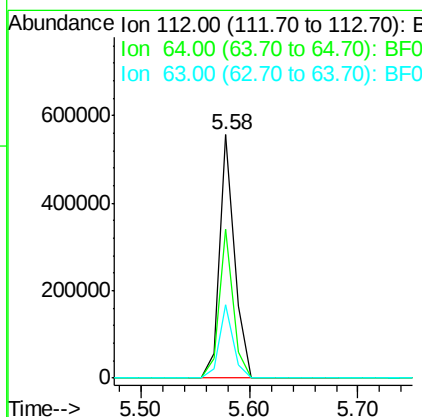
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#5
 2-Fluorophenol
 Concen: 63.99 ng
 RT: 5.58 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: BF085184.D
 Acq: 4 Mar 2016 4:13

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	537588		
64	60.9	49.0	73.4	
63	30.4	24.8	37.2	





#7

Phenol-d6

Concen: 98.10 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF085184.D

Acq: 4 Mar 2016 4:13

Instrument :

BNA_F

ClientSampleId :

SB-37-COMP

Tgt Ion: 99 Resp: 1079775

Ion Ratio Lower Upper

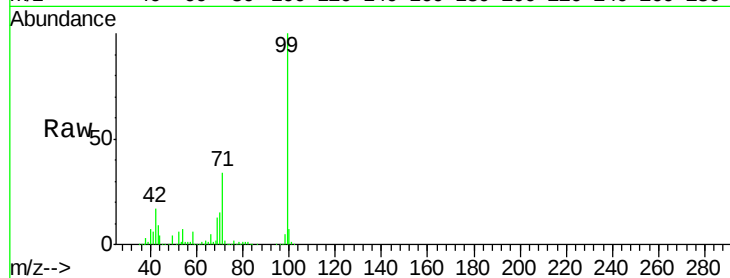
99 100

42 17.1 13.6 20.4

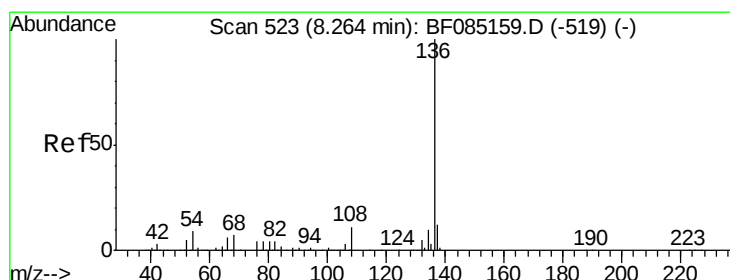
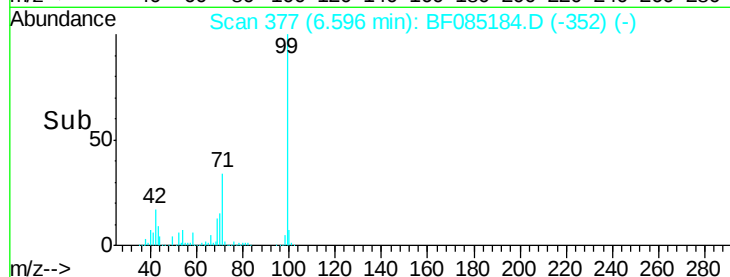
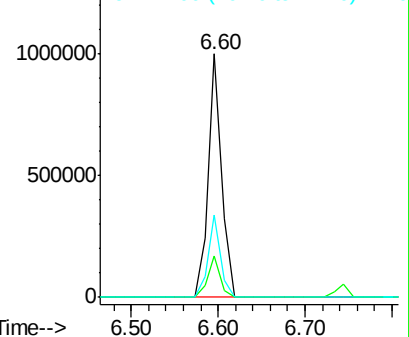
71 33.7 26.7 40.1

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF085184.D

Acq: 4 Mar 2016 4:13

Tgt Ion: 136 Resp: 582184

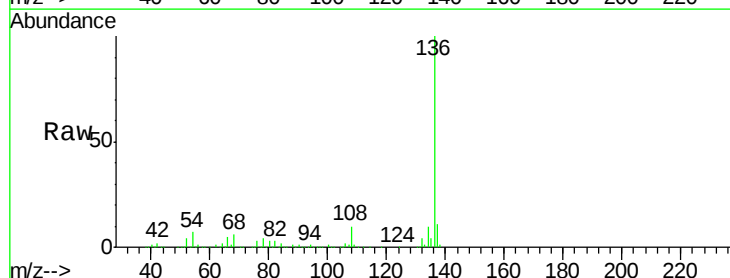
Ion Ratio Lower Upper

136 100

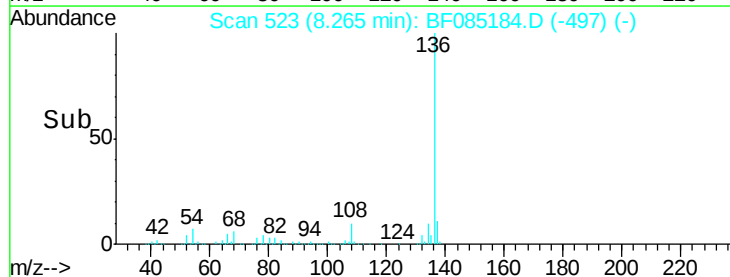
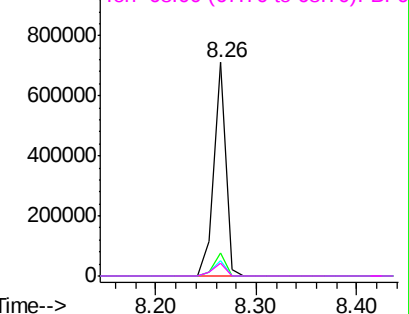
137 10.6 9.3 13.9

54 7.0 7.4 11.2#

68 5.8 6.0 9.0#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





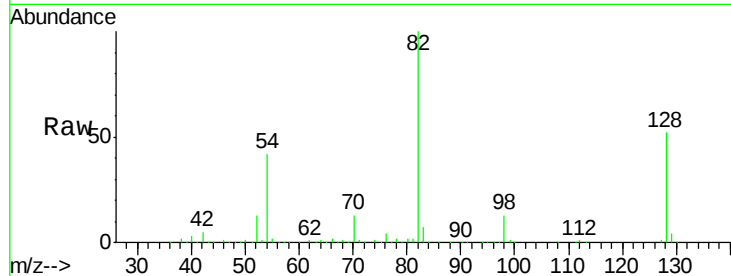
#23
Nitrobenzene-d5
Concen: 79.68 ng
RT: 7.54 min Scan# 460
Delta R.T. 0.00 min
Lab File: BF085184.D
Acq: 4 Mar 2016 4:13

Instrument :
BNA_F
ClientSampleId :
SB-37-COMP

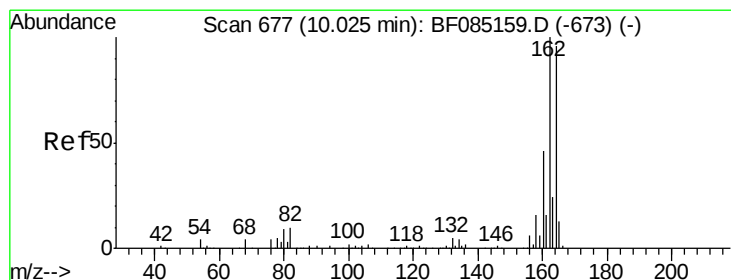
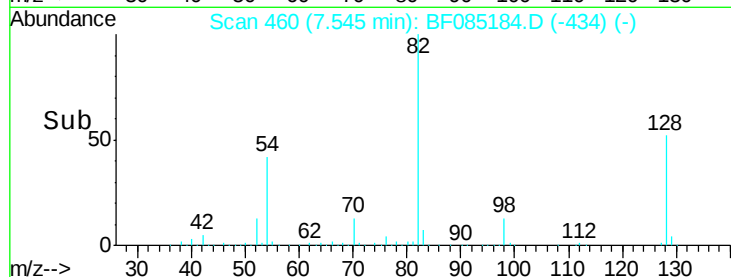
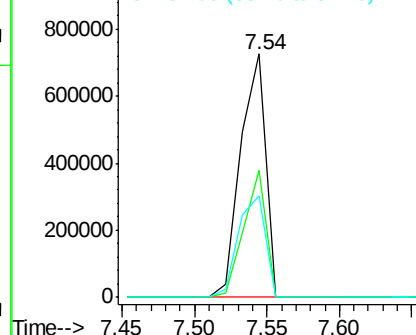
Tgt Ion	Ratio	Lower	Upper
82	100		
128	52.3	34.5	51.7#
54	41.9	39.3	58.9

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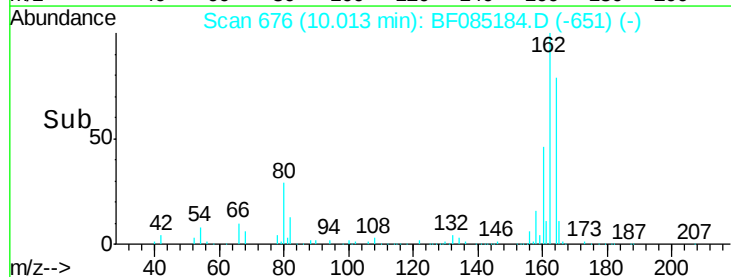
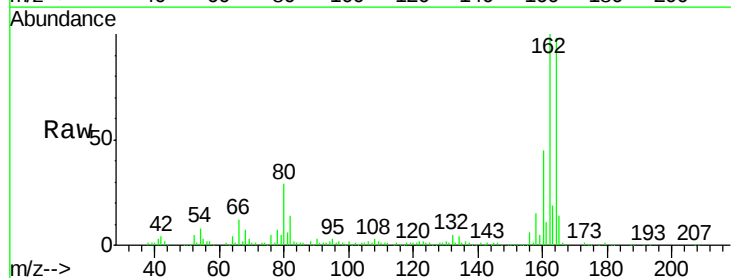
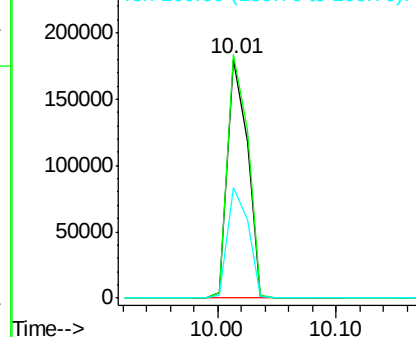
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF085184.D
Acq: 4 Mar 2016 4:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	83.3	124.9
160	46.0	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





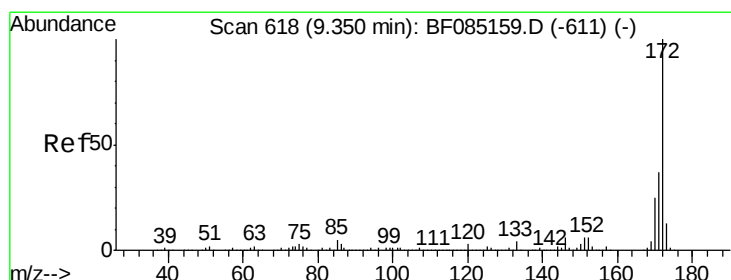
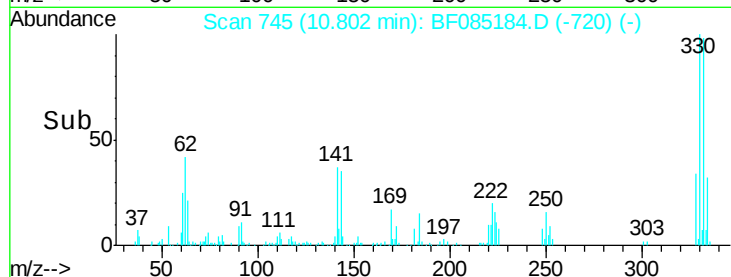
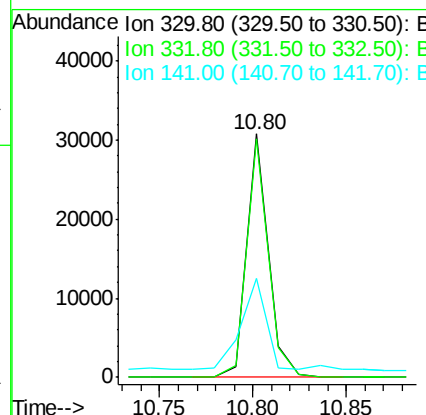
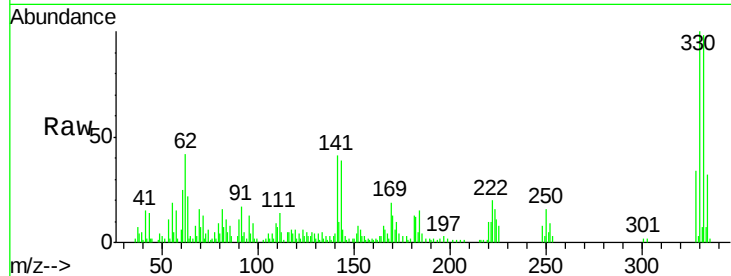
#41
 2,4,6-Tribromophenol
 Concen: 13.98 ng
 RT: 10.80 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF085184.D
 Acq: 4 Mar 2016 4:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-37-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	25055		
332	97.7	77.1	115.7	
141	43.6	35.0	52.6	

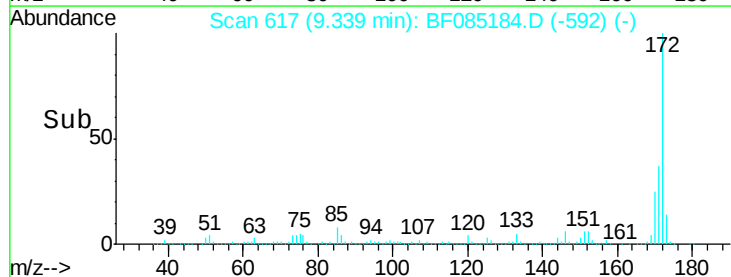
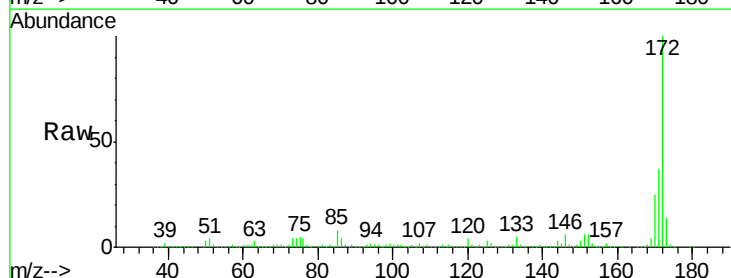
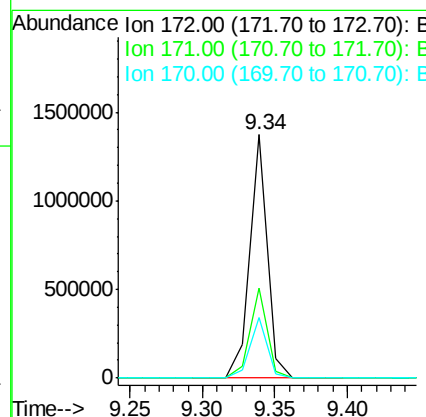
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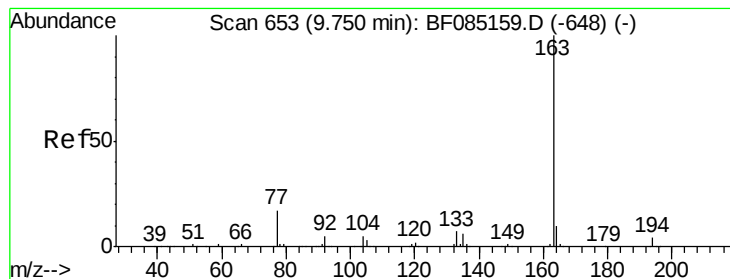
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#44
 2-Fluorobiphenyl
 Concen: 83.74 ng
 RT: 9.34 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF085184.D
 Acq: 4 Mar 2016 4:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1153713		
171	36.8	29.3	43.9	
170	25.0	20.0	30.0	





#49

Dimethylphthalate

Concen: 17.43 ng

RT: 9.73 min Scan# 651

Delta R.T. -0.02 min

Lab File: BF085184.D

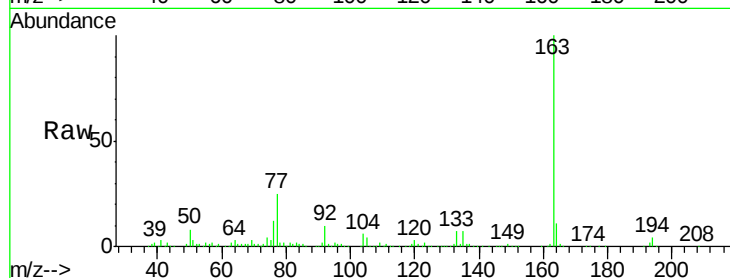
Acq: 4 Mar 2016 4:13

Instrument :

BNA_F

ClientSampleId :

SB-37-COMP



Tgt Ion:163 Resp: 280245

Ion Ratio Lower Upper

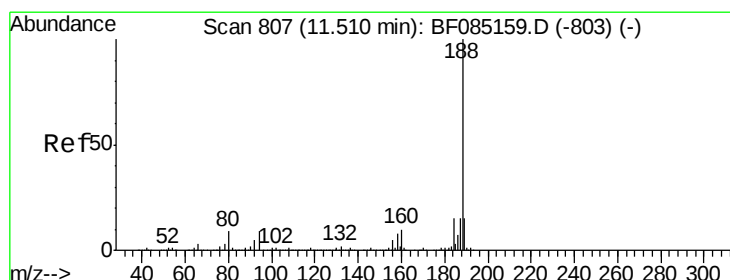
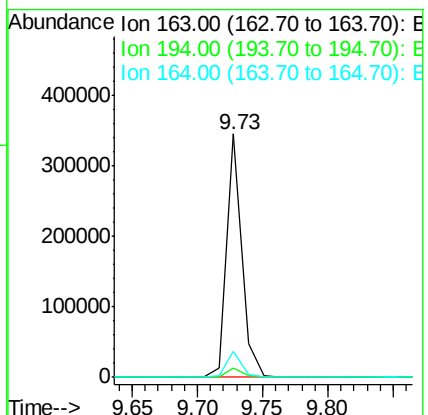
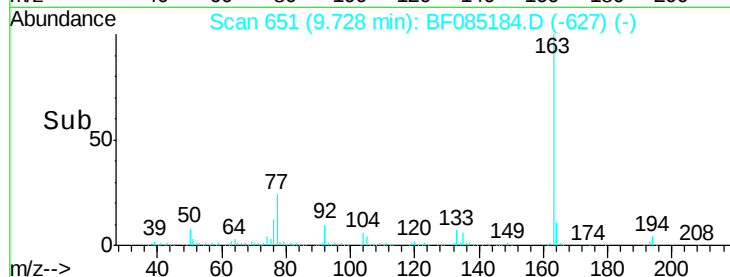
163 100

194 3.7 3.1 4.7

164 10.6 8.2 12.4

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#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF085184.D

Acq: 4 Mar 2016 4:13

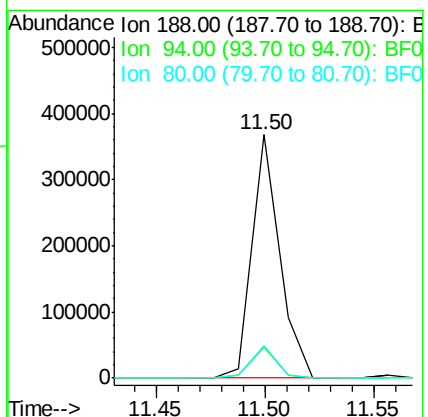
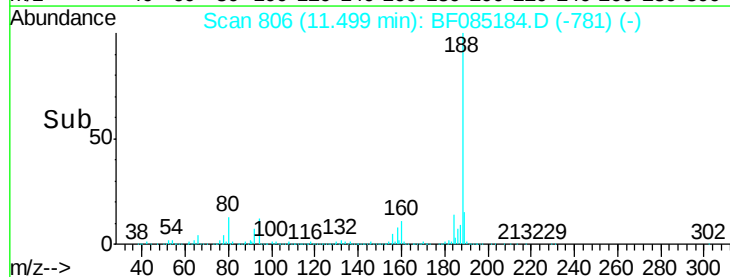
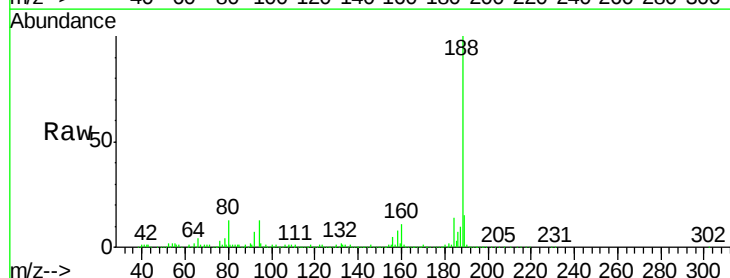
Tgt Ion:188 Resp: 327075

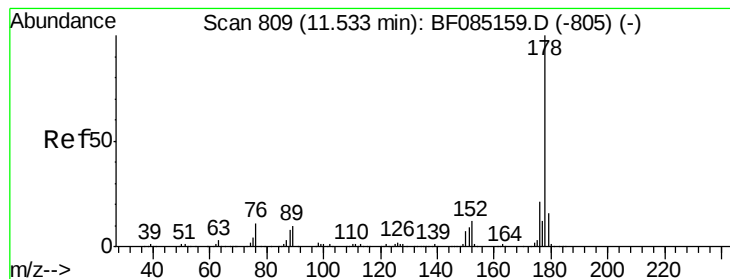
Ion Ratio Lower Upper

188 100

94 12.6 7.0 10.6#

80 13.4 7.4 11.0#





#70

Phenanthrene

Concen: 6.50 ng m

RT: 11.52 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF085184.D

Acq: 4 Mar 2016 4:13

Instrument :

BNA_F

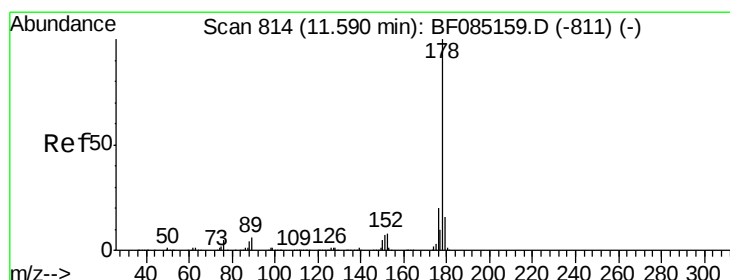
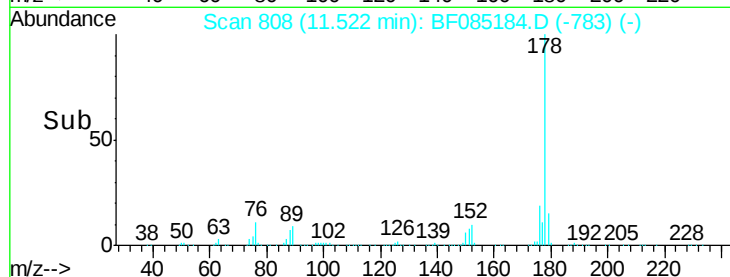
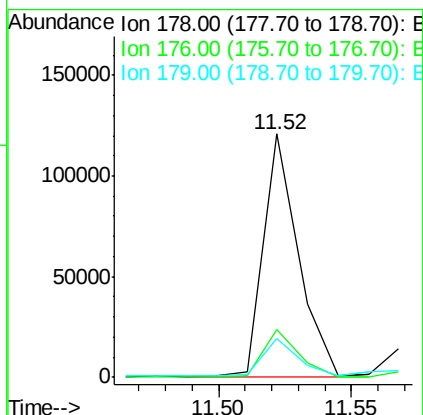
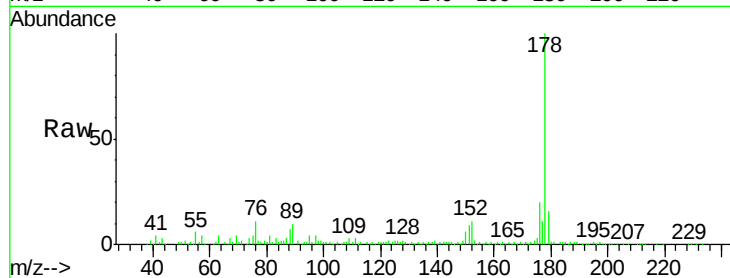
ClientSampleId :

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Tgt Ion:	178	Resp:	111346
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.8	25.2
179	16.0	13.1	19.7

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#71

Anthracene

Concen: 2.07 ng m

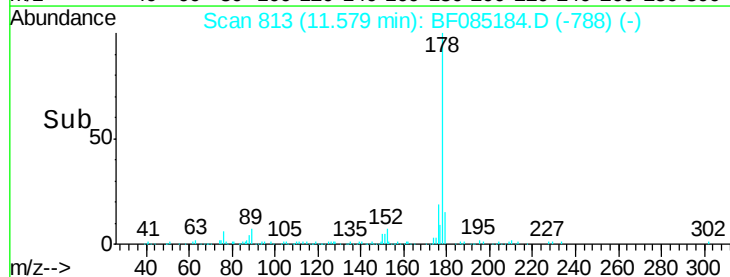
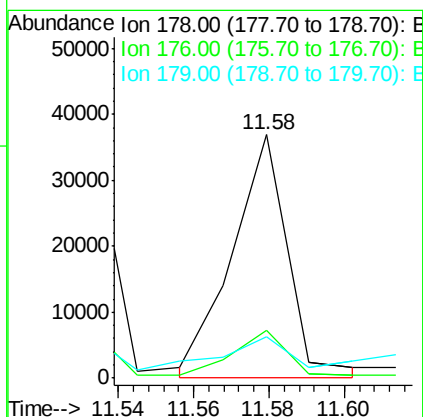
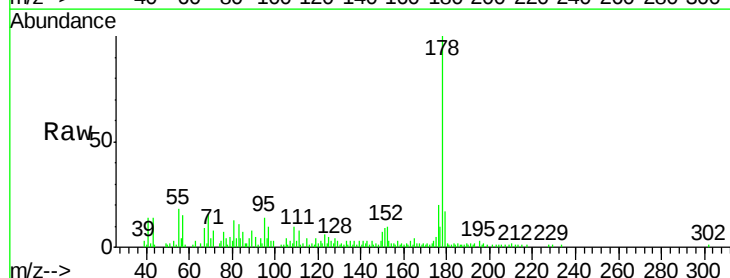
RT: 11.58 min Scan# 813

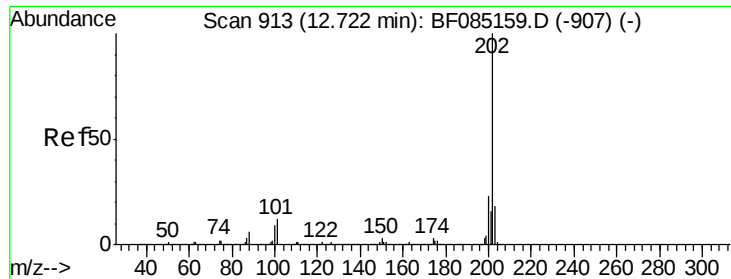
Delta R.T. -0.01 min

Lab File: BF085184.D

Acq: 4 Mar 2016 4:13

Tgt Ion:	178	Resp:	37642
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.9	23.9
179	17.2	12.5	18.7





#74

Fluoranthene

Concen: 21.33 ng

RT: 12.71 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF085184.D

Acq: 4 Mar 2016 4:13

Instrument :

BNA_F

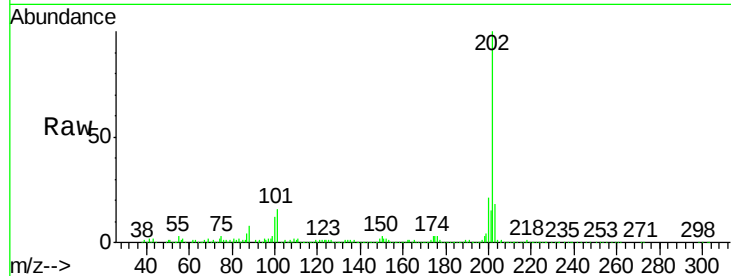
ClientSampleId :

SB-37-COMP

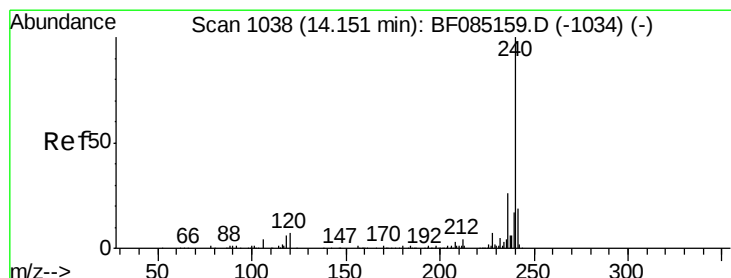
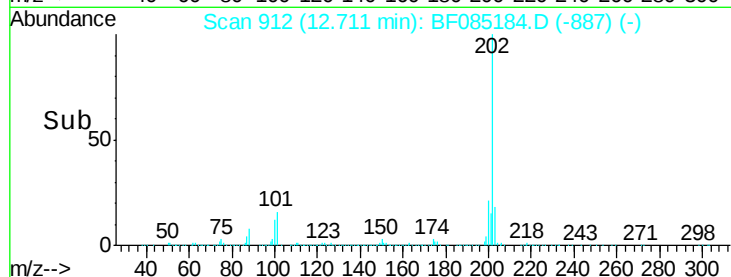
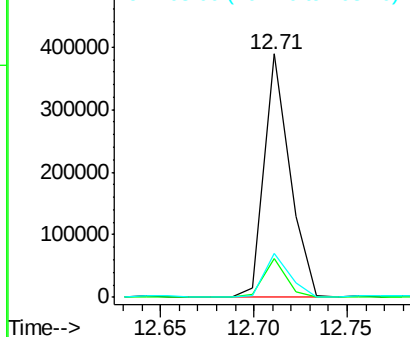
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		366886		
101	15.9	0.0	31.8		
203	18.0	0.0	38.4		

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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

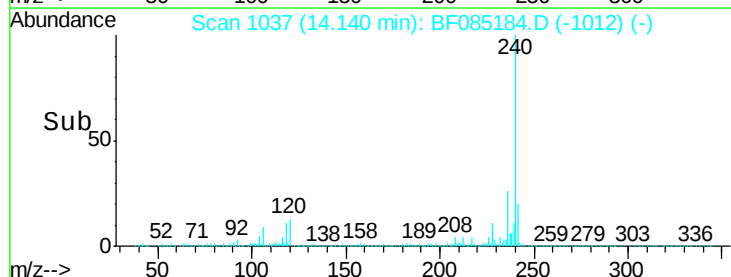
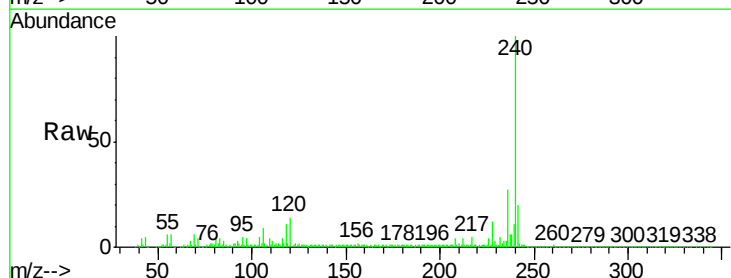
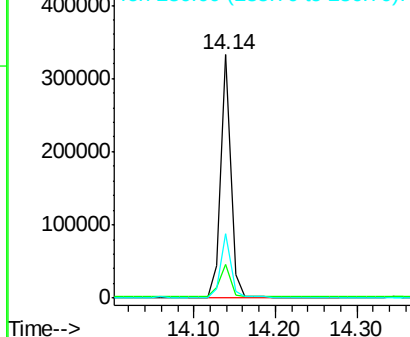
Delta R.T. -0.01 min

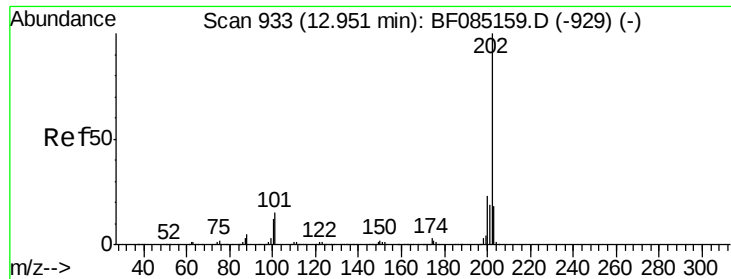
Lab File: BF085184.D

Acq: 4 Mar 2016 4:13

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		284630		
120	13.6	5.3	7.9#		
236	26.7	20.7	31.1		

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: 16.68 ng m

RT: 12.94 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF085184.D

Acq: 4 Mar 2016 4:13

Instrument :

BNA_F

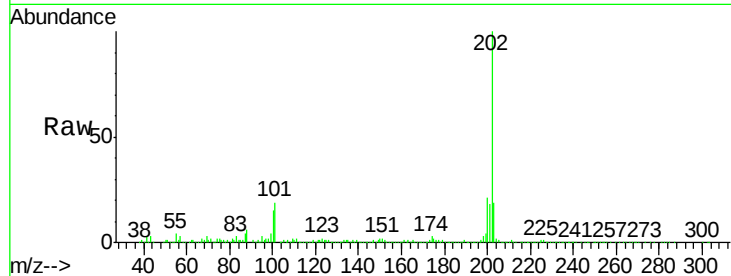
ClientSampleId :

SB-37-COMP

Tgt Ion:	202	Resp:	357436
Ion Ratio	Lower	Upper	
202	100		
200	20.8	18.2	27.4
203	18.6	14.7	22.1

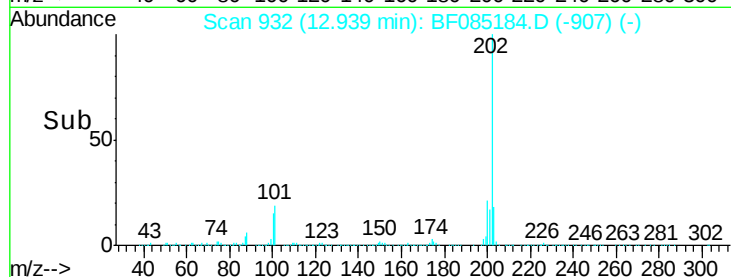
Manual Integrations
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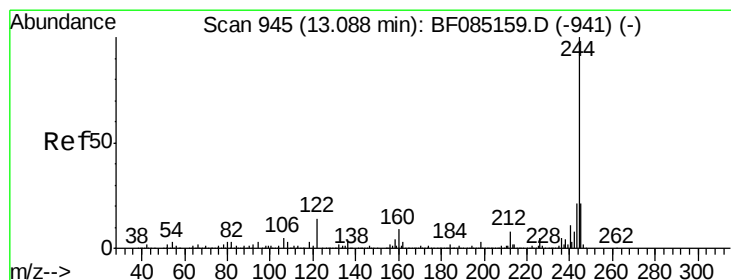


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

12.94



Time-->



#78

Terphenyl-d14

Concen: 65.91 ng

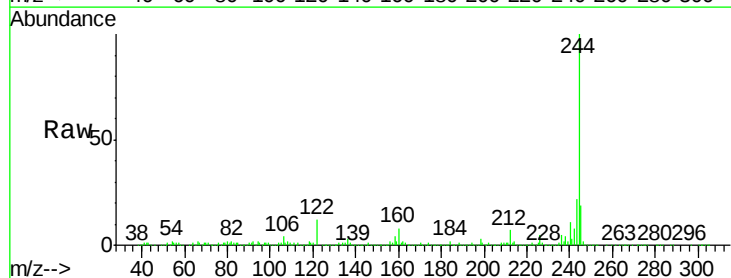
RT: 13.09 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF085184.D

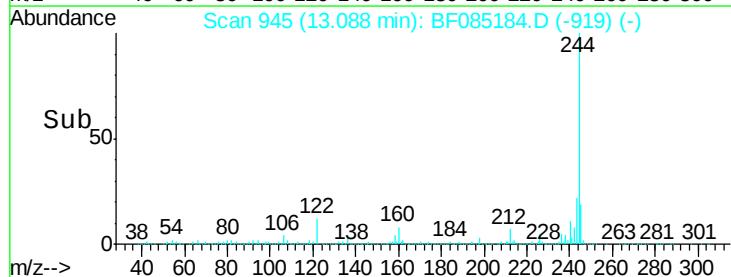
Acq: 4 Mar 2016 4:13

Tgt Ion:	244	Resp:	808104
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.4	9.6
122	12.1	11.4	17.2

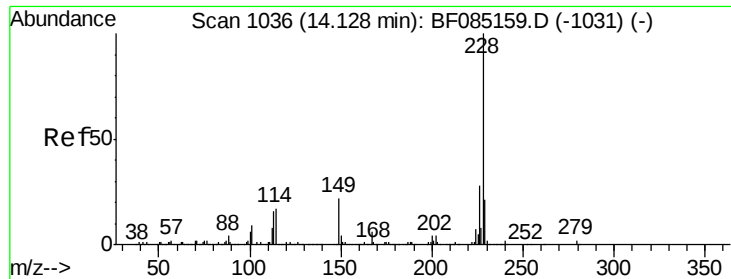


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

13.09



Time-->



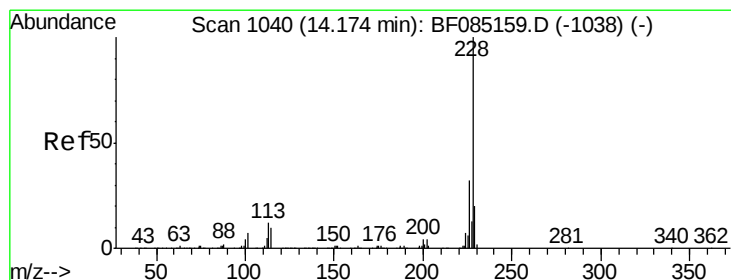
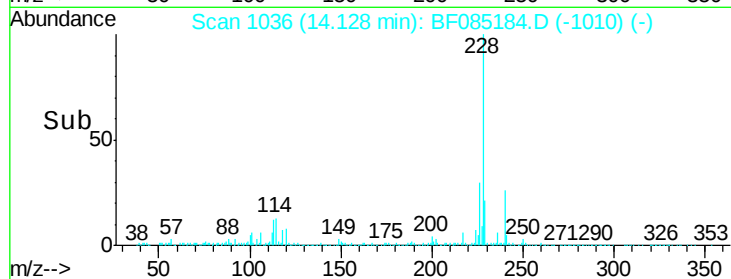
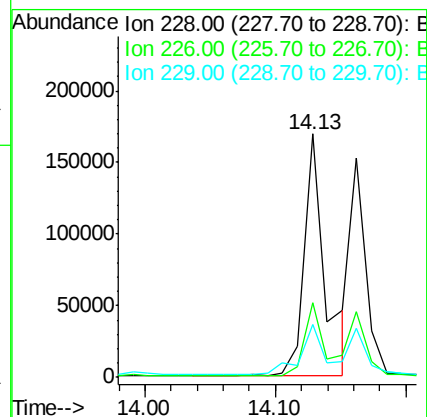
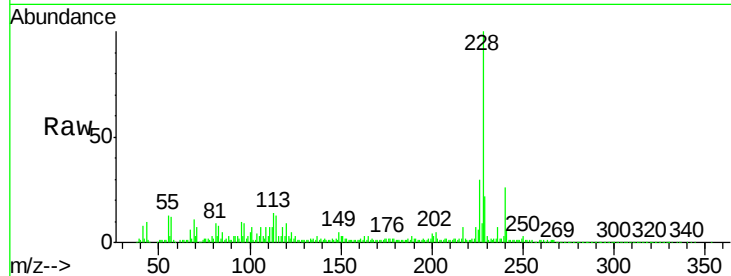
#80
Benzo(a)anthracene
Concen: 11.16 ng
RT: 14.13 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF085184.D
Acq: 4 Mar 2016 4:13

Instrument :
BNA_F
ClientSampleId :
SB-37-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	190172		
226	30.4	22.8	34.2	
229	21.7	16.6	24.8	

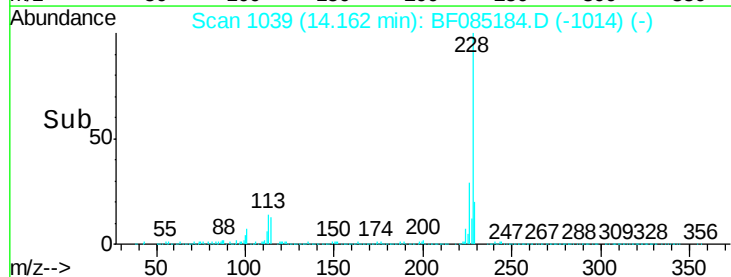
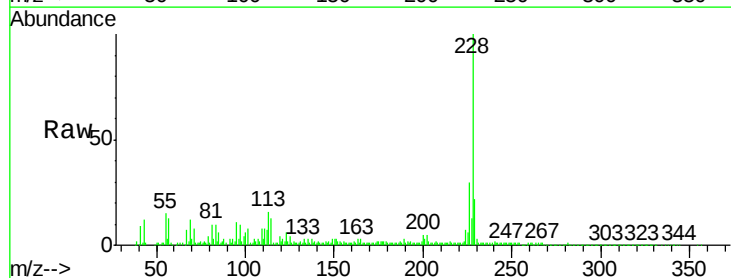
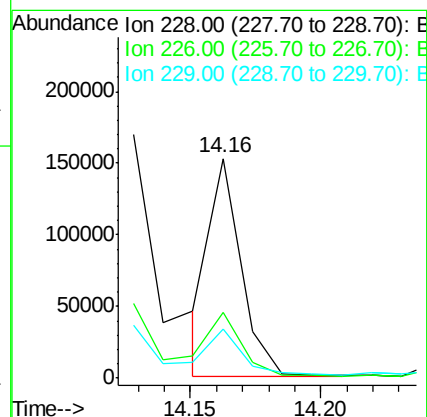
Manual Integrations
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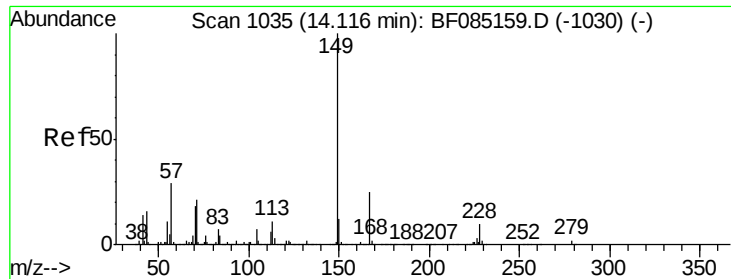
Sohil
3/4/2016 4:36:16 PM



#82
Chrysene
Concen: 8.17 ng
RT: 14.16 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF085184.D
Acq: 4 Mar 2016 4:13

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	128579		
226	30.0	25.2	37.8	
229	22.3	16.0	24.0	





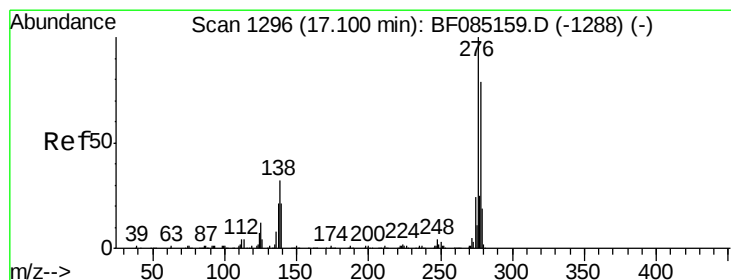
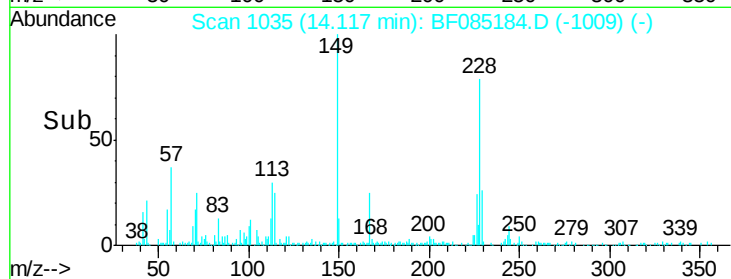
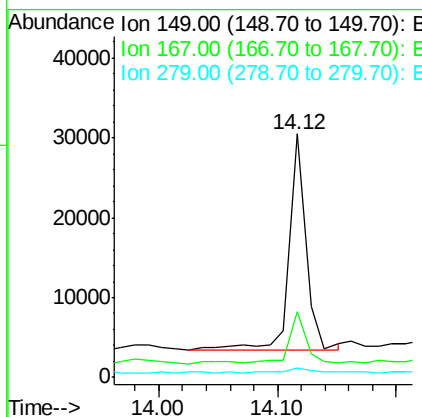
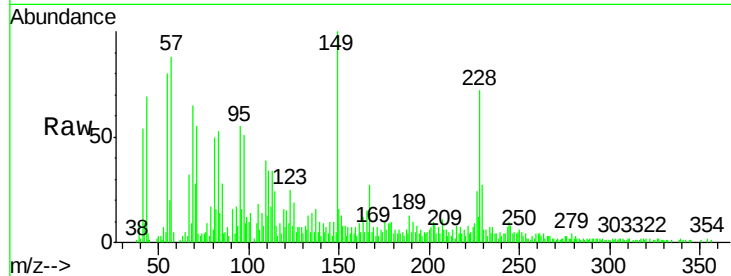
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.06 ng
 RT: 14.12 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BF085184.D
 Acq: 4 Mar 2016 4:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-37-COMP

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	27.2	20.3	30.5
279	3.9	1.9	2.9

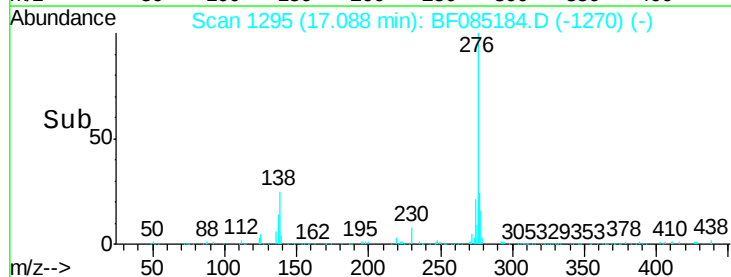
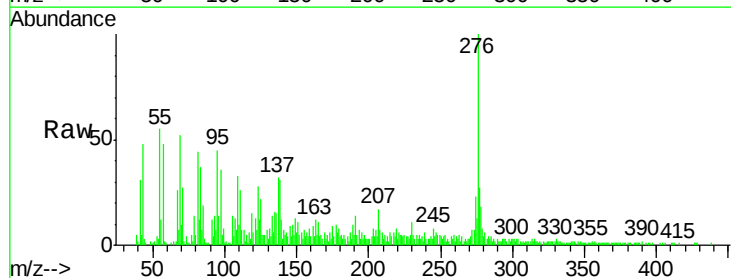
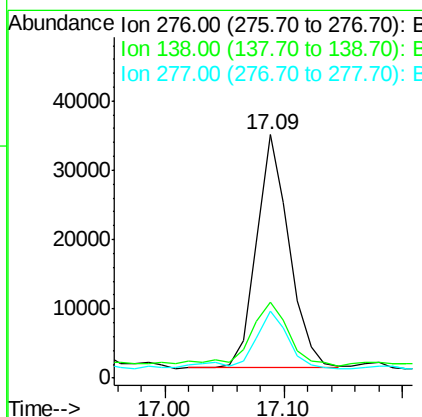
Manual Integrations
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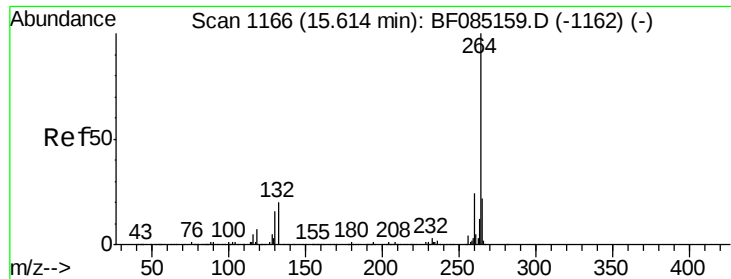
Sohil
 3/4/2016 4:36:16 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.19 ng
 RT: 17.09 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF085184.D
 Acq: 4 Mar 2016 4:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	33.9	26.4	39.6
277	28.4	20.2	30.2





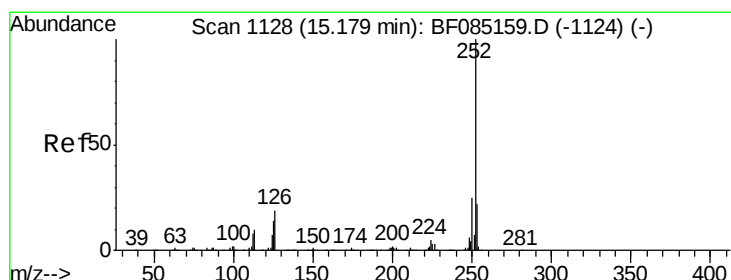
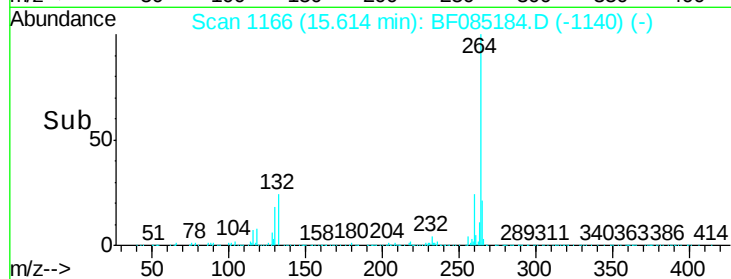
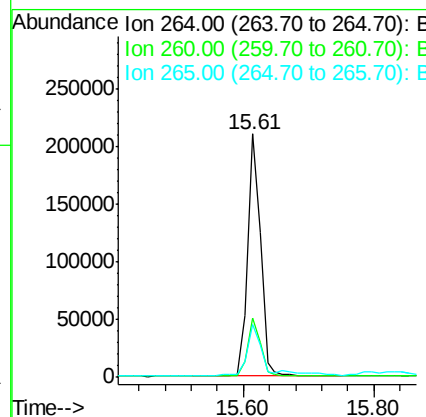
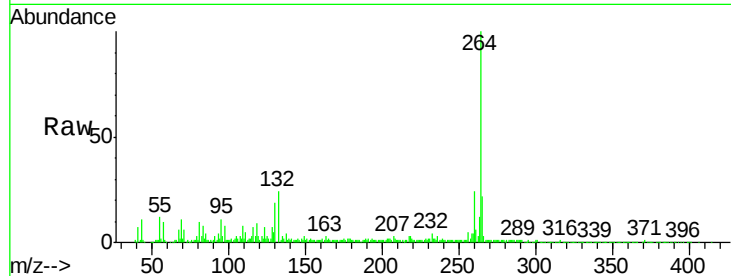
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.61 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF085184.D
Acq: 4 Mar 2016 4:13

Instrument :
BNA_F
ClientSampleId :
SB-37-COMP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.9	17.3	25.9

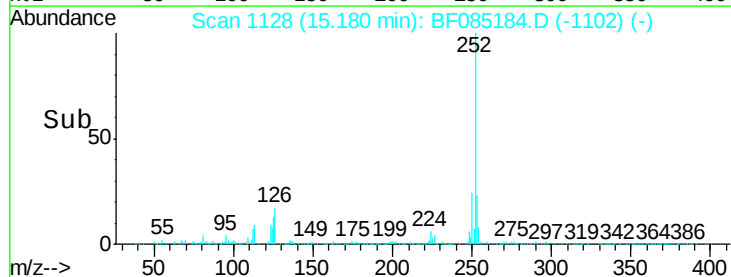
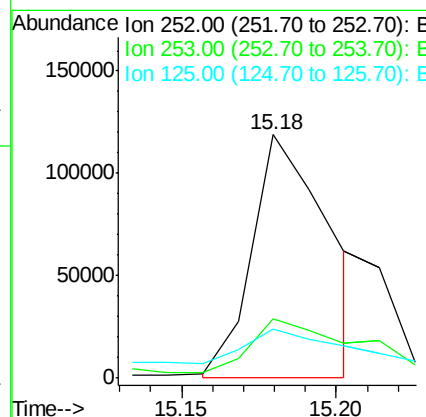
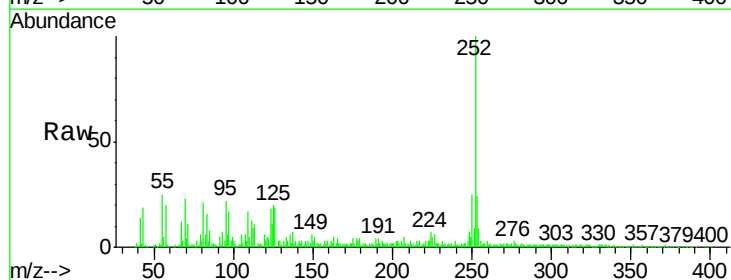
Manual Integrations
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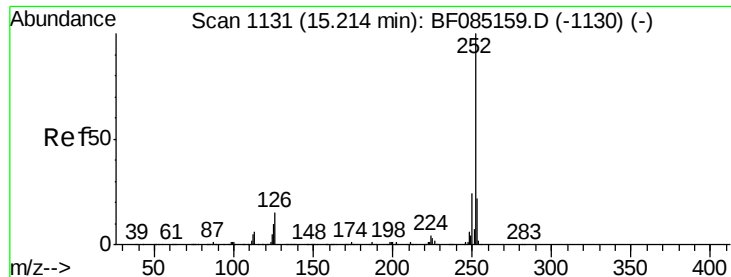
Sohil
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#87
Benzo(b)fluoranthene
Concen: 10.93 ng m
RT: 15.18 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF085184.D
Acq: 4 Mar 2016 4:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	19.9	11.3	16.9





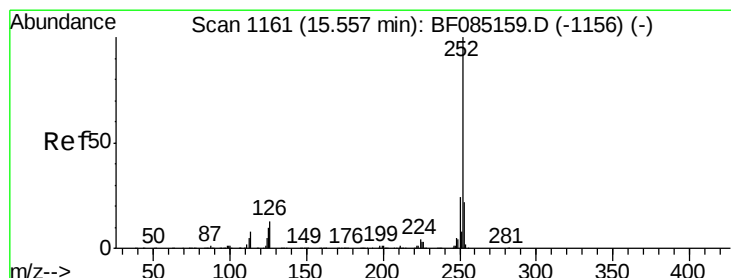
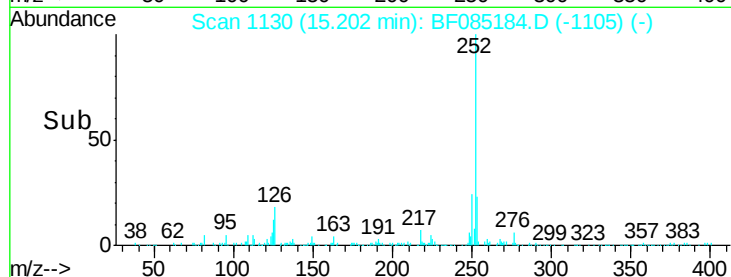
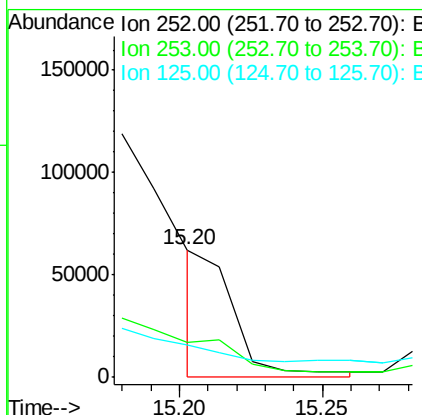
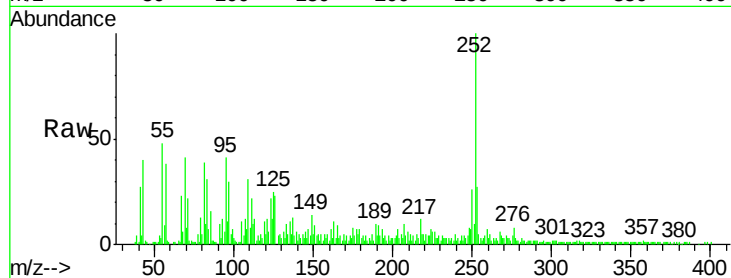
#88
Benzo(k)fluoranthene
Concen: 3.15 ng m
RT: 15.20 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF085184.D
Acq: 4 Mar 2016 4:13

Instrument :
BNA_F
ClientSampleId :
SB-37-COMP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.8	26.6#
125	25.0	10.4	15.6#

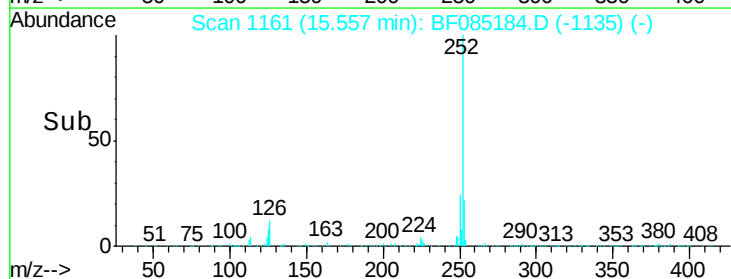
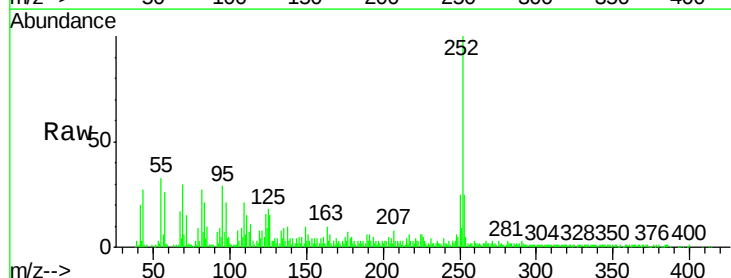
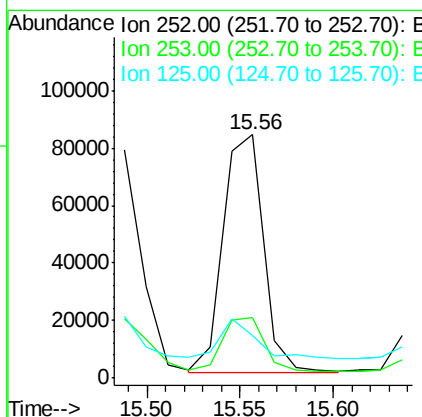
Manual Integrations
APPROVED

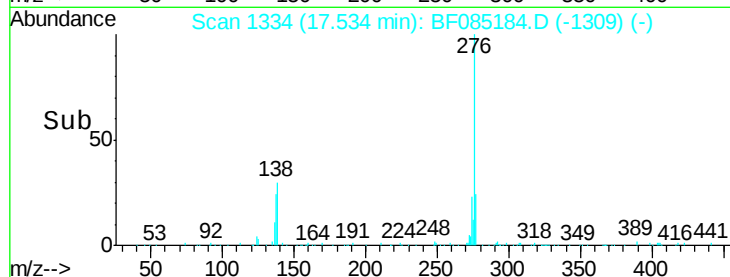
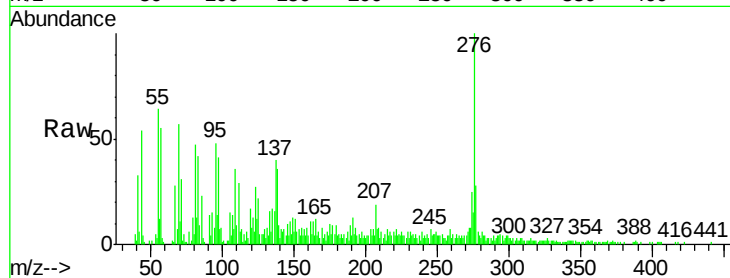
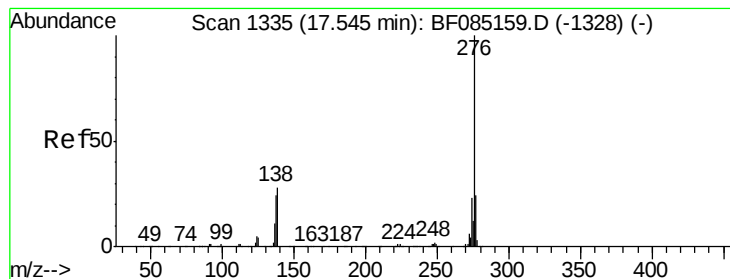
Sohil
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#89
Benzo(a)pyrene
Concen: 8.07 ng
RT: 15.56 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF085184.D
Acq: 4 Mar 2016 4:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.4	26.0
125	17.8	8.2	12.4#





#91

Benzo(g,h,i)perylene

Concen: 4.63 ng

RT: 17.53 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF085184.D

Acq: 4 Mar 2016 4:13

Instrument :

BNA_F

ClientSampleId :

SB-37-COMP

Tgt Ion: 276 Resp: 62207

Ion Ratio Lower Upper

276 100

277 27.8 19.0 28.4

138 36.0 22.5 33.7

Manual Integrations
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