

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
 Data File : BF085660.D
 Acq On : 22 Mar 2016 11:16
 Operator : UM/SJ
 Sample : H1799-18DL 500X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB45(6.5-8)DL

Manual Integrations
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Quant Time: Mar 22 13:09:03 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	120416	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	491644	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	201706	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	337661	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	233114	20.00	ng	-0.02
86) Perylene-d12	15.42	264	231795	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	495	0.07	ng	0.01
7) Phenol-d6	6.47	99	2565	0.28	ng	-0.02
23) Nitrobenzene-d5	7.41	82	1357	0.16	ng	-0.02
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.20	172	3850	-1.00	ng	-0.02
78) Terphenyl-d14	12.94	244	2516	0.26	ng	-0.02

Target Compounds

						Qvalue
10) Phenol	6.48	94	51170	4.89	ng	91
20) 3+4-Methylphenols	7.26	107	33342	4.19	ng	# 53
31) Naphthalene	8.15	128	1294844	52.18	ng	100
37) 2-Methylnaphthalene	8.84	142	181079	11.97	ng	98
45) 1,1'-Biphenyl	9.30	154	43607	2.51	ng	93
48) Acenaphthylene	9.74	152	274704	13.35	ng	99
54) Dibenzofuran	10.08	168	166756	10.61	ng	98
57) Fluorene	10.42	166	195504	14.92	ng	99
70) Phenanthrene	11.38	178	547623	30.76	ng	99
71) Anthracene	11.44	178	216999	11.62	ng	96
72) Carbazole	11.59	167	73920	4.59	ng	98
74) Fluoranthene	12.57	202	329558	17.68	ng	91
77) Pyrene	12.80	202	239053	14.28	ng	98
80) Benzo(a)anthracene	13.98	228	112518	8.31	ng	# 91
82) Chrysene	14.03	228	81507m	6.26	ng	
85) Indeno(1,2,3-cd)pyrene	16.80	276	32522	2.99	ng	95
87) Benzo(b)fluoranthene	15.01	252	105145m	6.95	ng	
88) Benzo(k)fluoranthene	15.01	252	124703	10.01	ng	# 96
89) Benzo(a)pyrene	15.36	252	72675	5.67	ng	# 95
91) Benzo(g,h,i)perylene	17.23	276	25954	2.51	ng	98

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

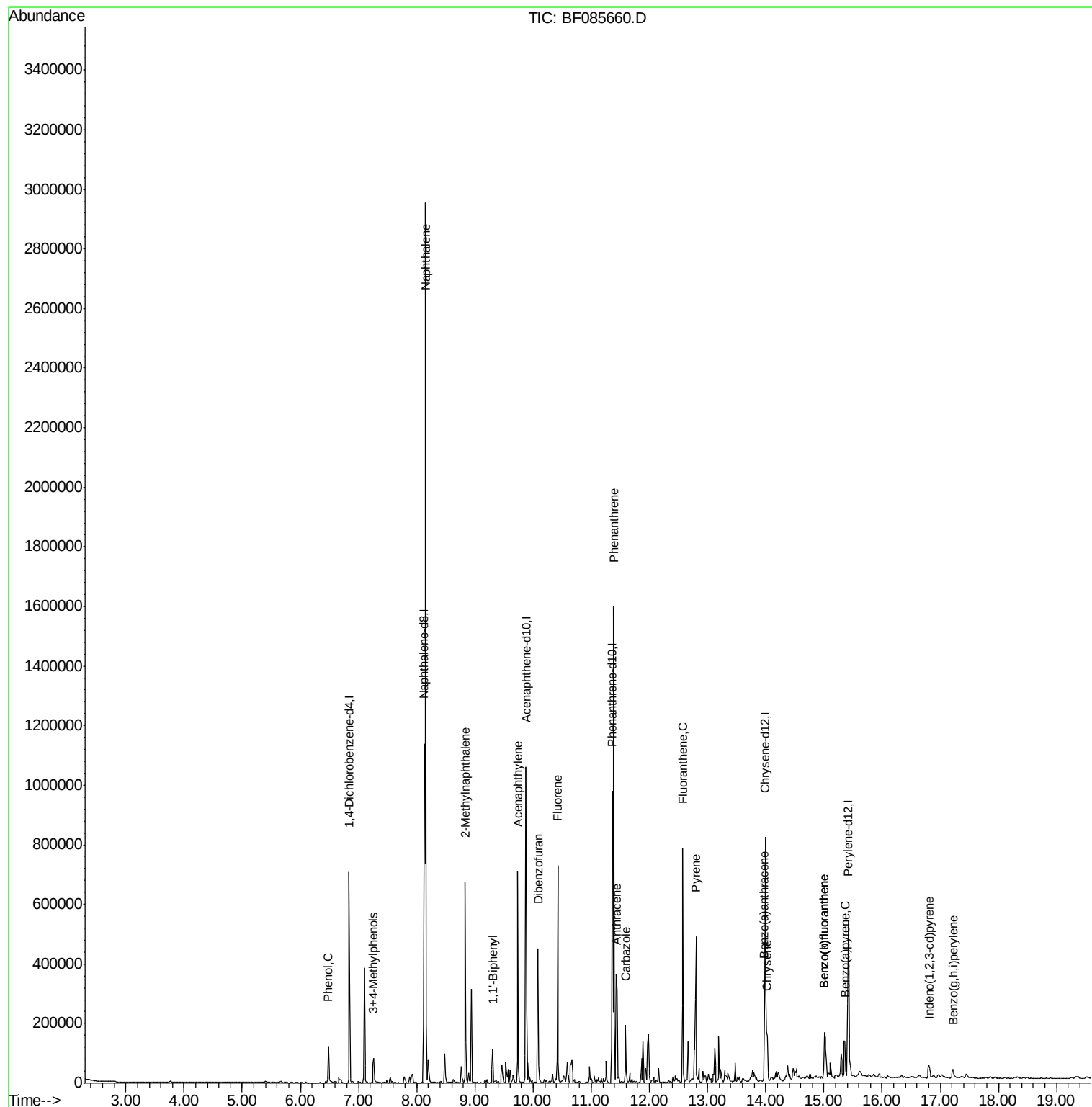
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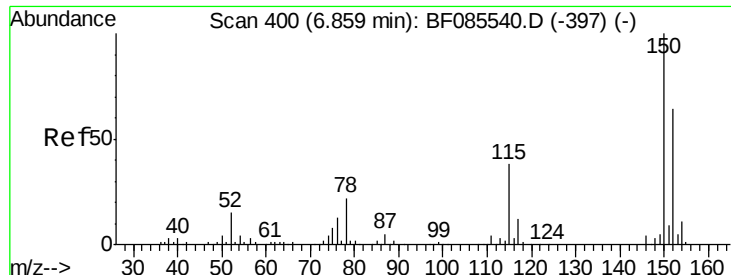
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AOU2-SB45(6.5-8)DL

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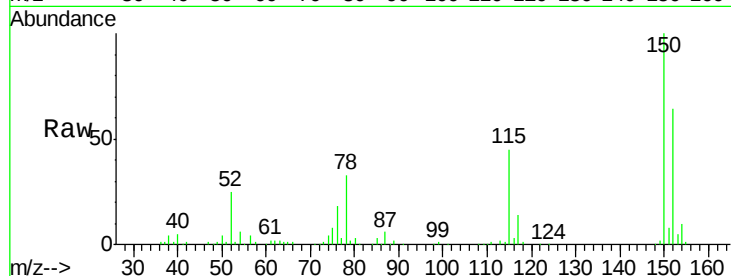




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 398
Delta R.T. -0.02 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

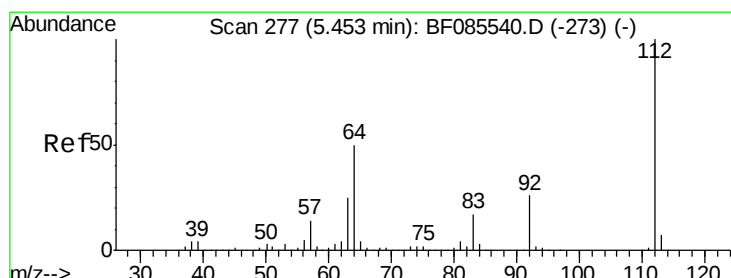
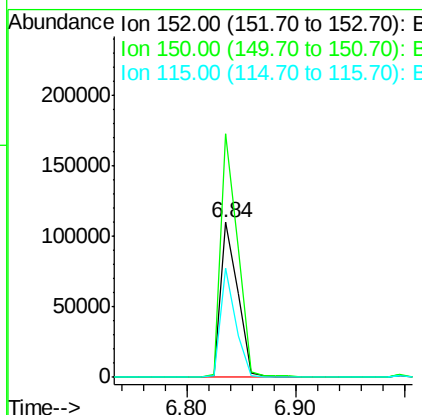
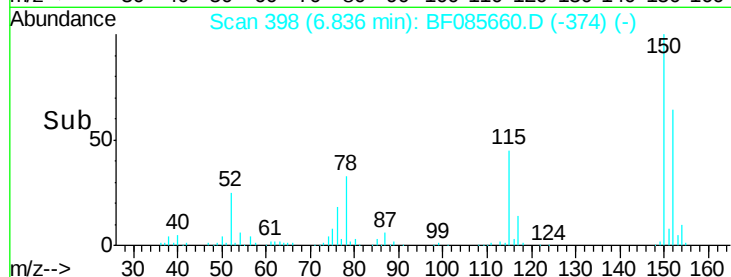
Instrument :
BNA_F
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AOU2-SB45(6.5-8)DL



Tgt Ion	Ratio	Resp	Lower	Upper
152	100	120416		
150	157.4	124.2	186.2	
115	70.9	47.0	70.6#	

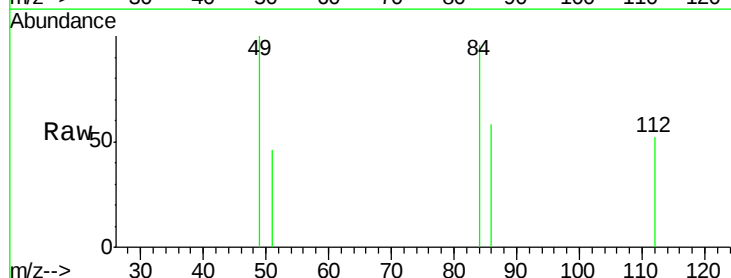
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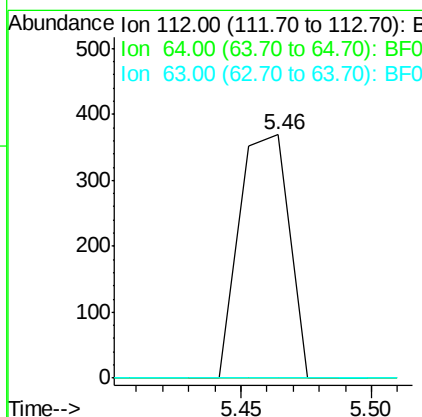
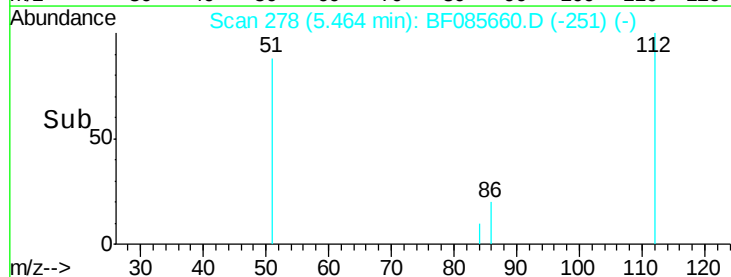


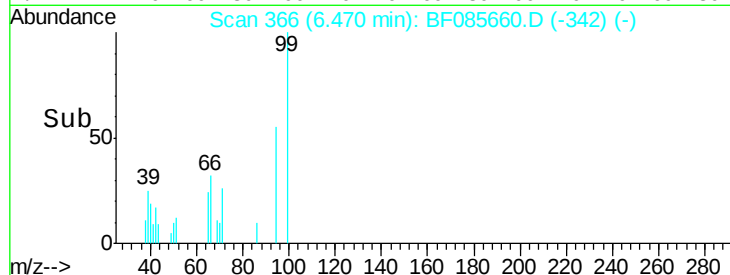
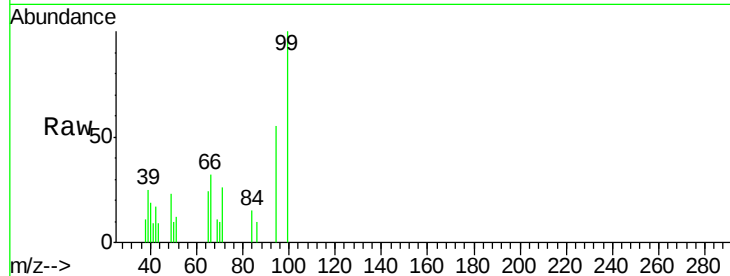
#5

2-Fluorophenol
Concen: 0.07 ng
RT: 5.46 min Scan# 278
Delta R.T. 0.01 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16



Tgt Ion	Ratio	Resp	Lower	Upper
112	100	495		
64	0.0	39.9	59.9#	
63	0.0	20.2	30.2#	





#7

Phenol-d6

Concen: 0.28 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

Tgt Ion:	99	Resp:	2565
Ion Ratio	Lower	Upper	
99	100		
42	16.7	11.1	16.7#
71	25.7	24.9	37.3

Instrument :

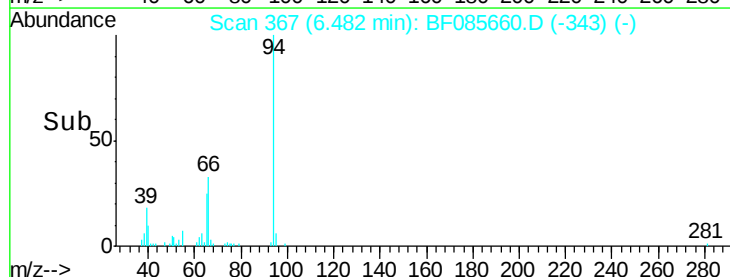
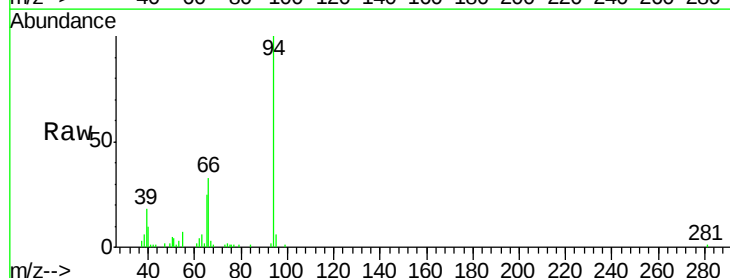
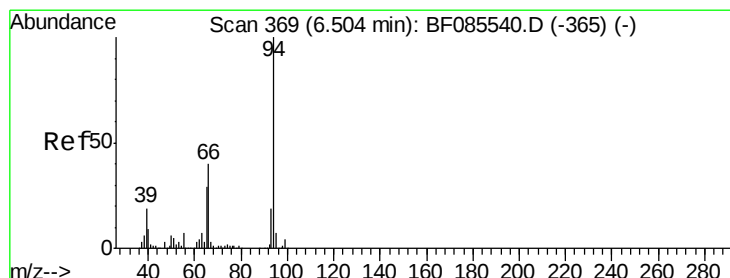
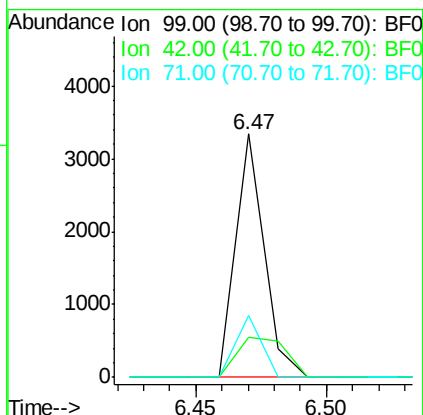
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AOU2-SB45(6.5-8)DL

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#10

Phenol

Concen: 4.89 ng

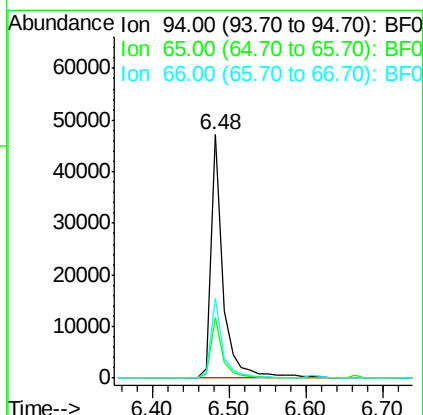
RT: 6.48 min Scan# 367

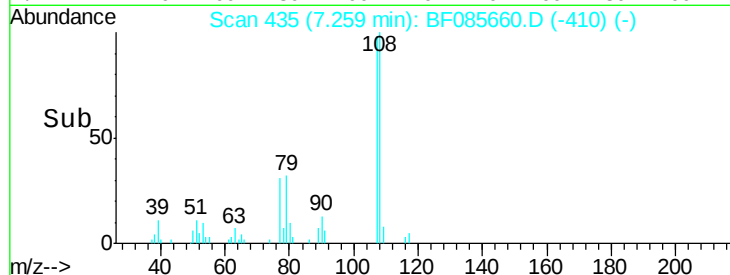
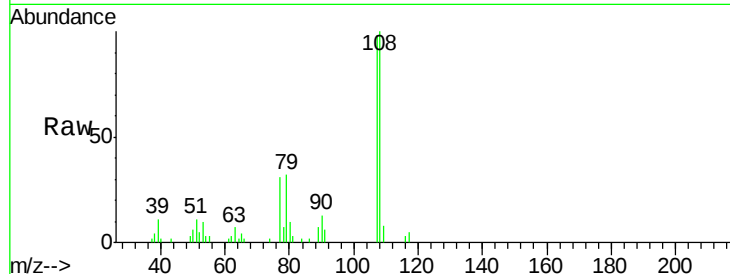
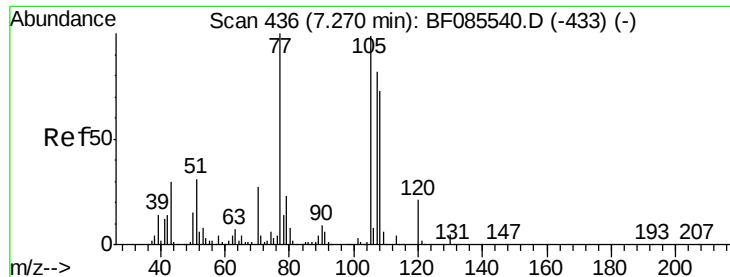
Delta R.T. -0.02 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

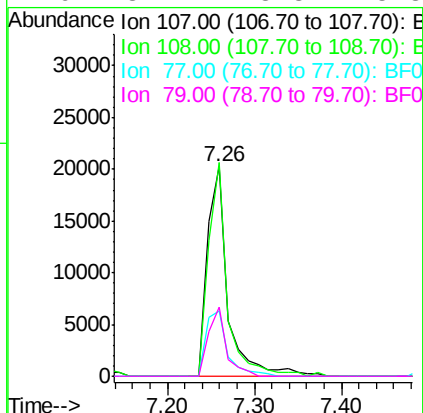
Tgt Ion:	94	Resp:	51170
Ion Ratio	Lower	Upper	
94	100		
65	25.1	8.6	48.6
66	32.9	20.0	60.0





#20
3+4-Methylphenols
Concen: 4.19 ng
RT: 7.26 min Scan# 435
Delta R.T. -0.01 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

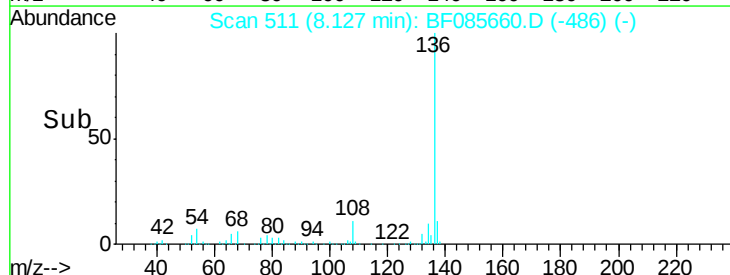
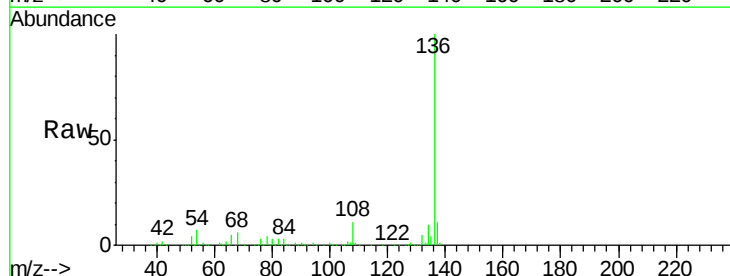
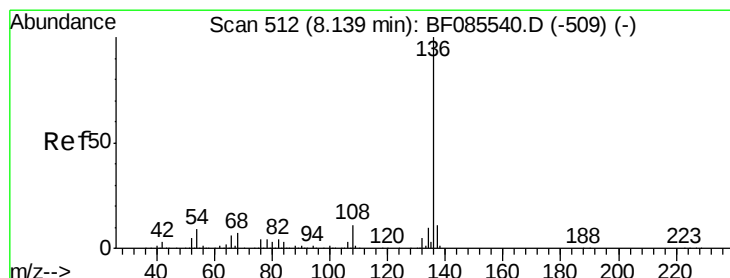
Tgt Ion:	107	Resp:	33342
Ion Ratio	Lower	Upper	
107	100		
108	101.9	69.3	109.3
77	31.2	101.7	141.7#
79	32.7	8.3	48.3



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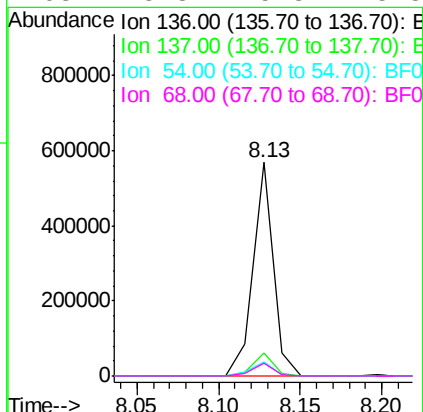
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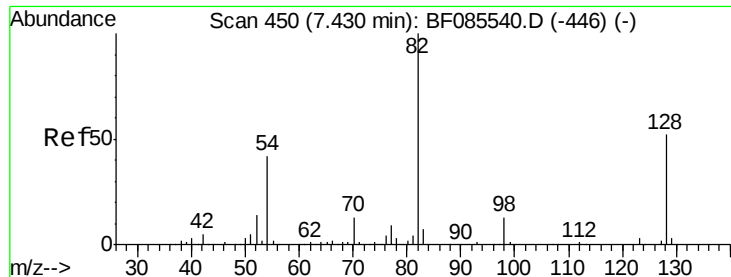
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 511
Delta R.T. -0.01 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Tgt Ion:	136	Resp:	491644
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	6.8	7.4	11.0#
68	5.8	5.8	8.8#





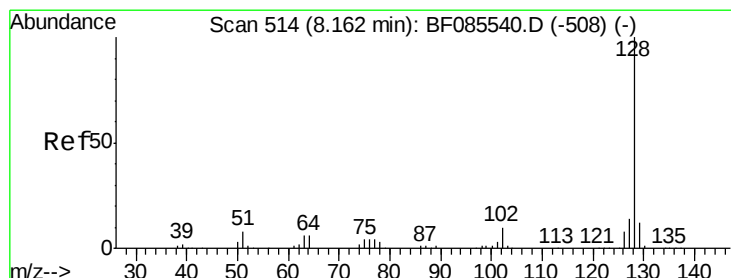
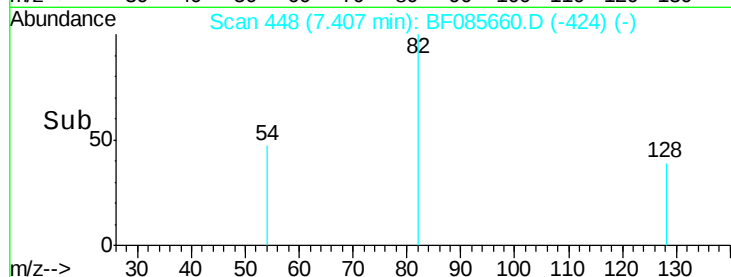
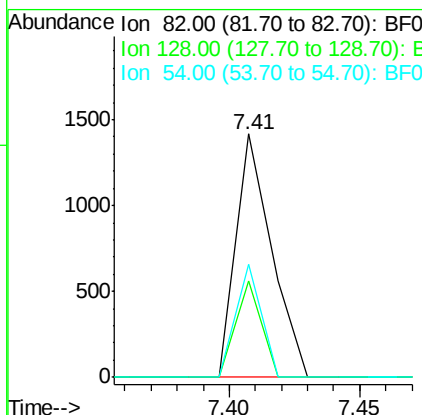
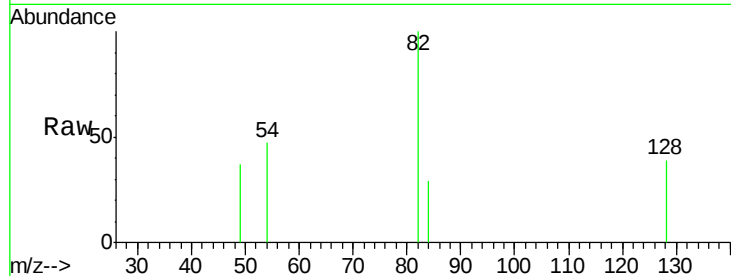
#23
Nitrobenzene-d5
Concen: 0.16 ng
RT: 7.41 min Scan# 448
Delta R.T. -0.02 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Instrument :
BNA_F
ClientSampleId :
AOU2-SB45(6.5-8)DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.4	41.8	62.8#
54	46.6	33.4	50.0

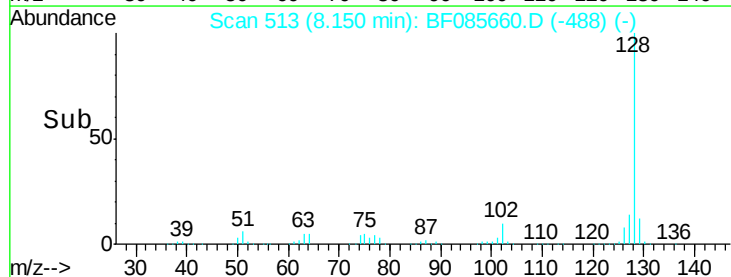
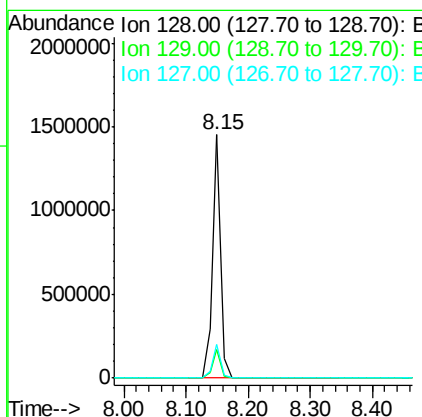
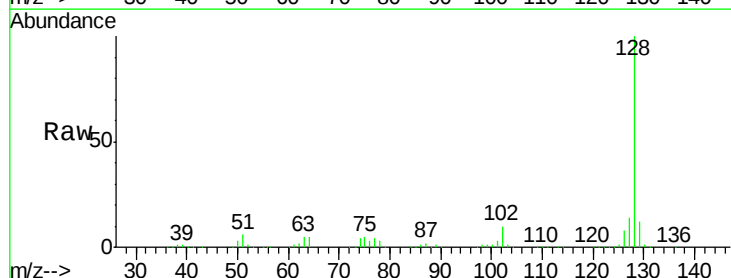
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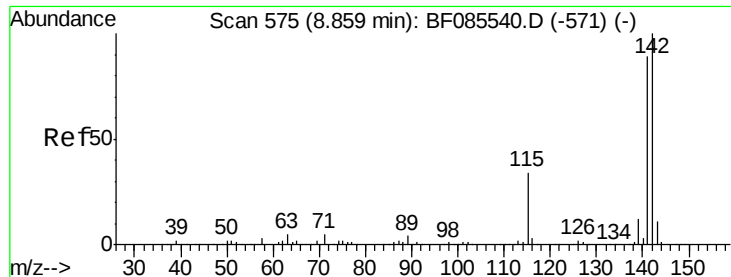
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#31
Naphthalene
Concen: 52.18 ng
RT: 8.15 min Scan# 513
Delta R.T. -0.01 min
Lab File: BF085660.D
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Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.4	14.0
127	14.0	11.0	16.6





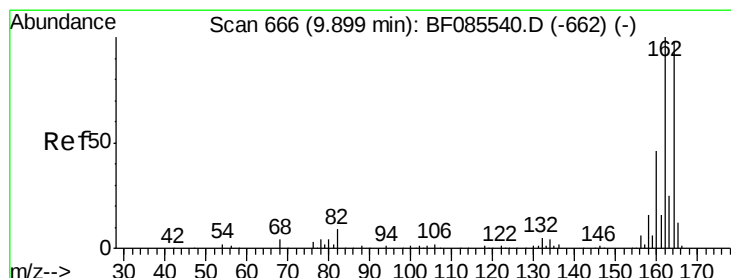
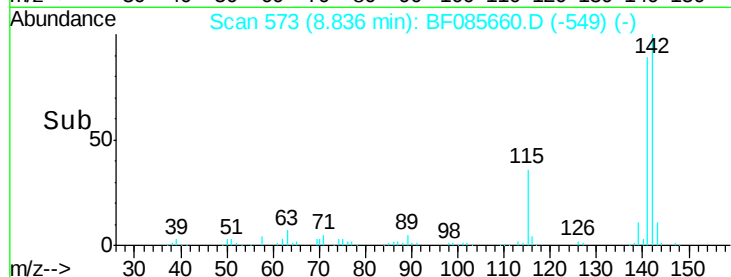
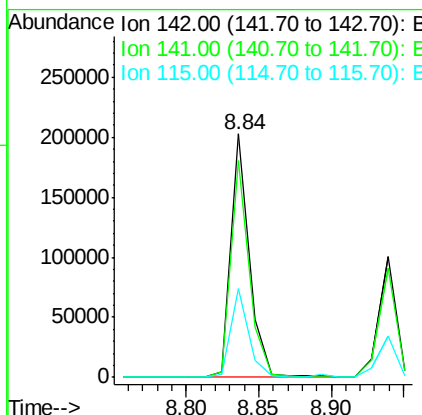
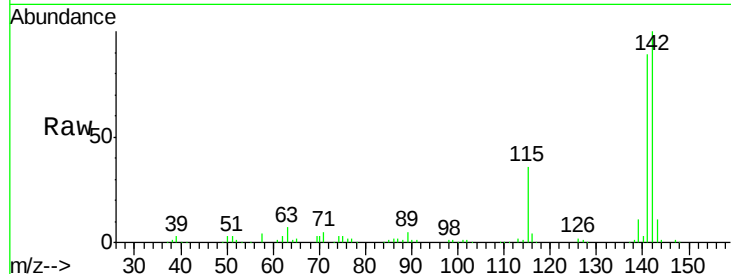
#37
 2-Methylnaphthalene
 Concen: 11.97 ng
 RT: 8.84 min Scan# 573
 Delta R.T. -0.02 min
 Lab File: BF085660.D
 Acq: 22 Mar 2016 11:16

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 AOU2-SB45(6.5-8)DL

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	181079		
141	89.0	71.6	107.4	
115	36.4	26.8	40.2	

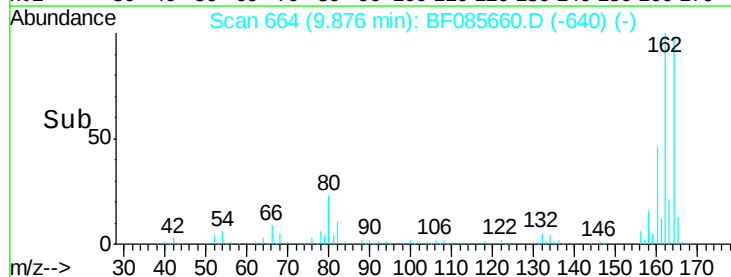
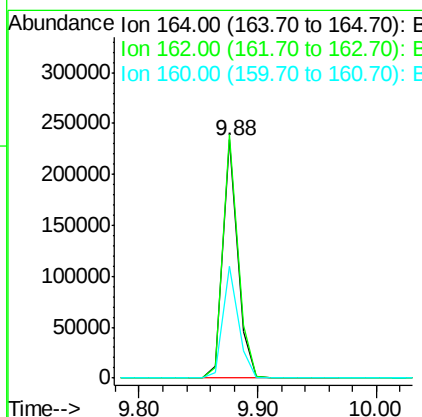
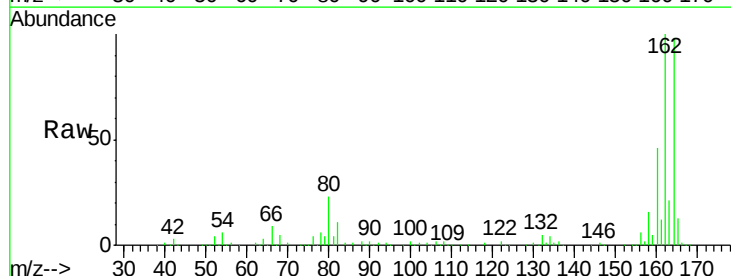
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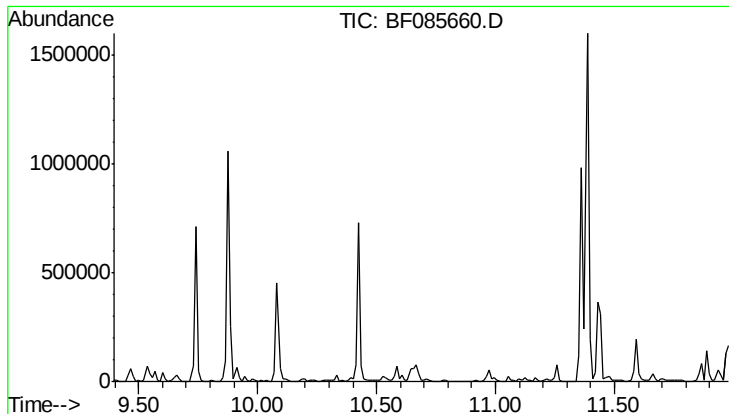
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 664
 Delta R.T. -0.02 min
 Lab File: BF085660.D
 Acq: 22 Mar 2016 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	201706		
162	102.2	82.1	123.1	
160	46.7	37.4	56.2	





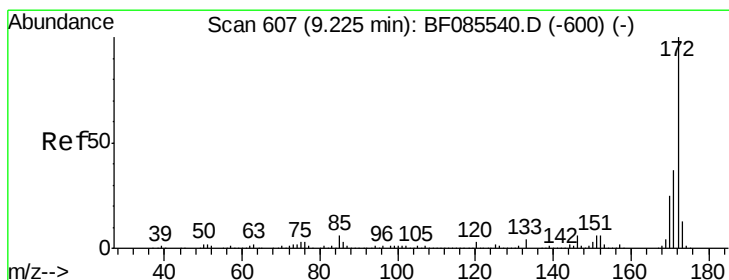
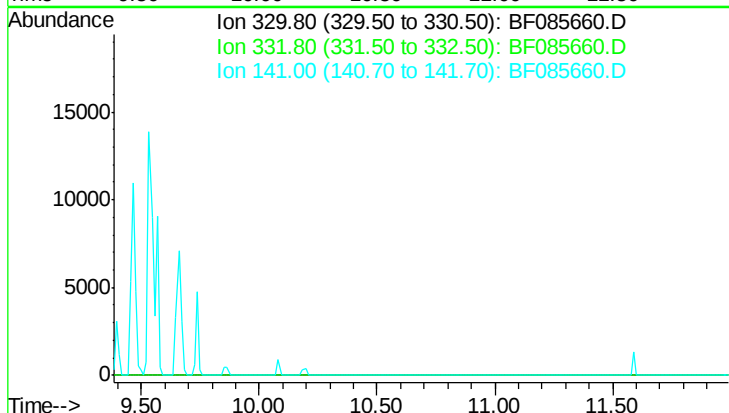
#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.69 min
 Lab File: BF085660.D
 Acq: 22 Mar 2016 11:16

Instrument :
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Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 97.7
 141 39.4

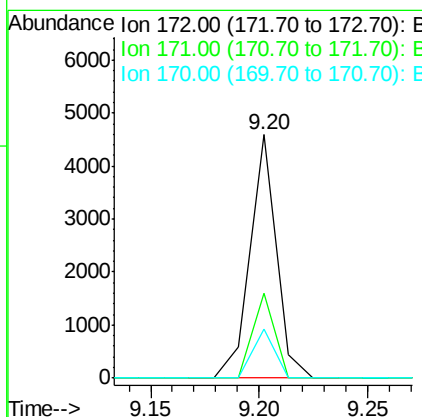
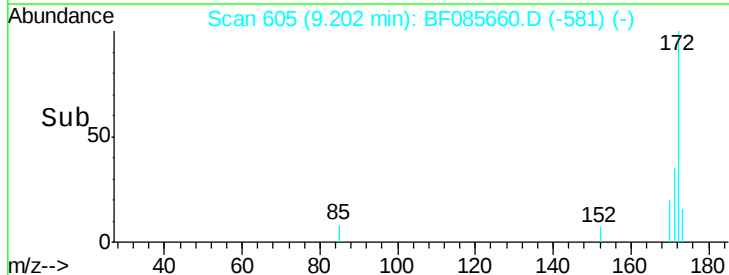
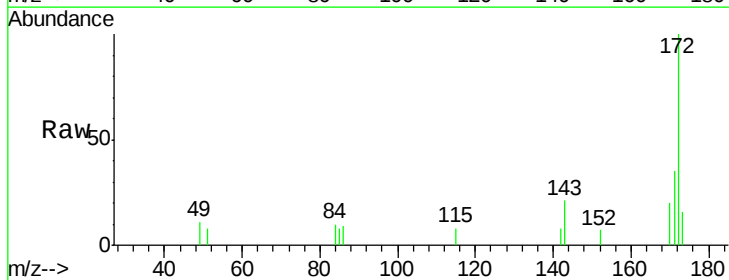
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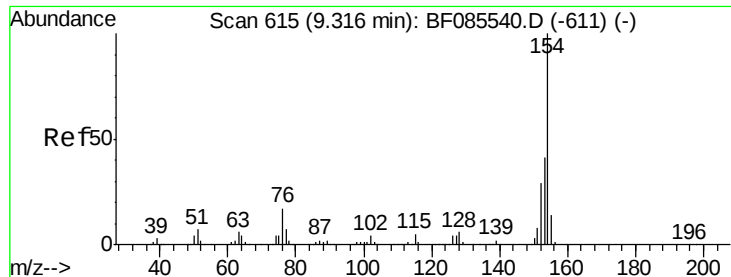
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#44
 2-Fluorobiphenyl
 Concen: -1.00 ng
 RT: 9.20 min Scan# 605
 Delta R.T. -0.02 min
 Lab File: BF085660.D
 Acq: 22 Mar 2016 11:16

Tgt Ion: 172 Resp: 3850
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.4 44.2
 170 19.9 19.8 29.6





#45

1,1'-Biphenyl

Concen: 2.51 ng

RT: 9.30 min Scan# 614

Delta R.T. -0.01 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

Instrument :

BNA_F

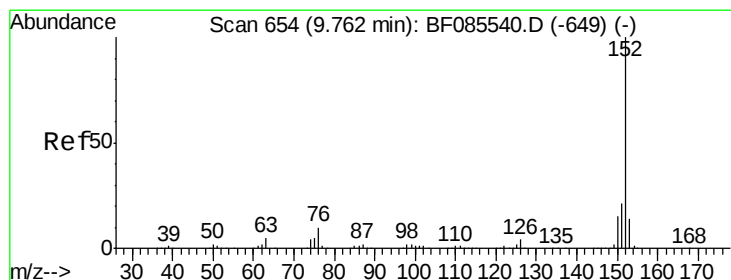
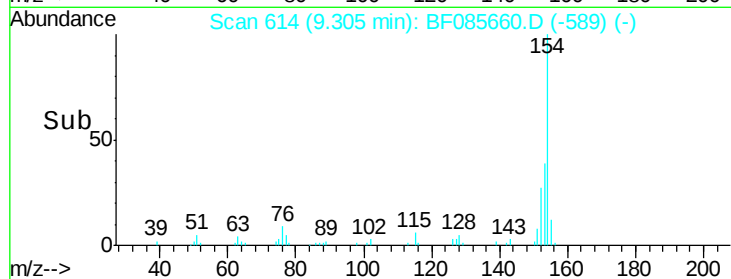
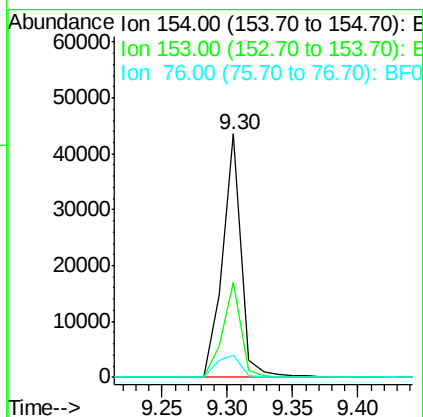
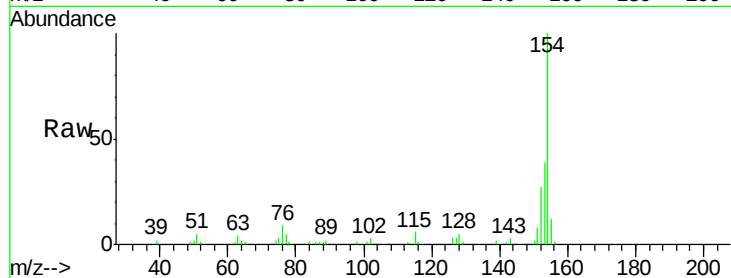
ClientSampleId :

AOU2-SB45(6.5-8)DL

Tgt Ion:	154	Resp:	43607
Ion Ratio	Lower	Upper	
154	100		
153	39.1	20.8	60.8
76	9.1	0.0	36.7

Manual Integrations
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#48

Acenaphthylene

Concen: 13.35 ng

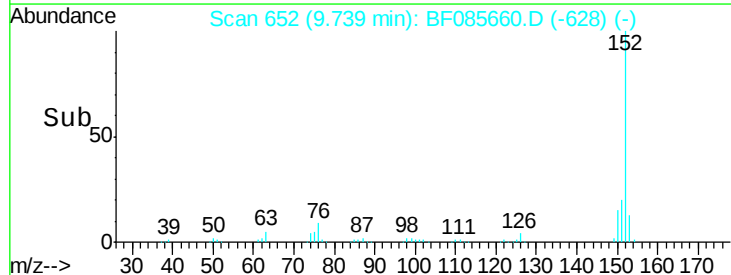
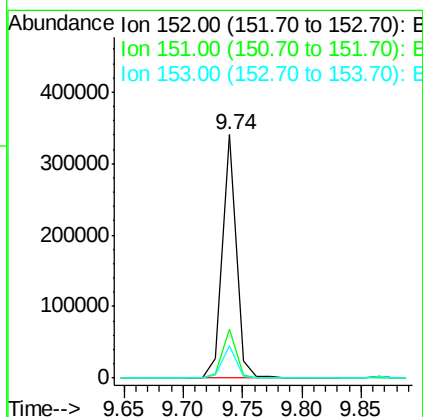
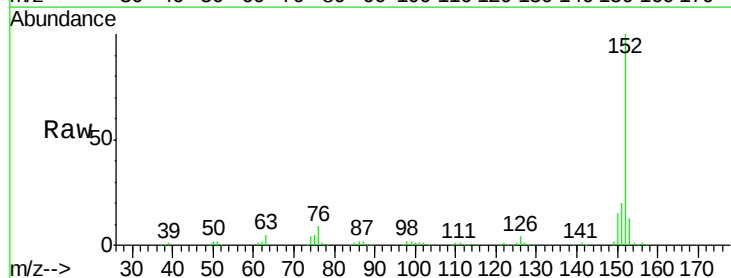
RT: 9.74 min Scan# 652

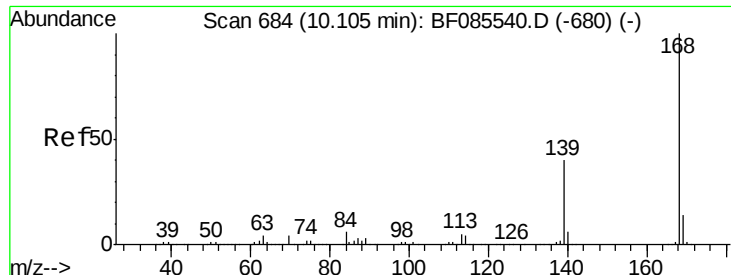
Delta R.T. -0.02 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

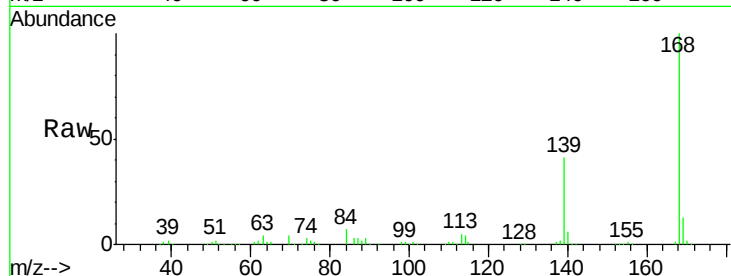
Tgt Ion:	152	Resp:	274704
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.8	25.2
153	13.2	10.9	16.3





#54
Dibenzenofuran
Concen: 10.61 ng
RT: 10.08 min Scan# 682
Delta R.T. -0.02 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

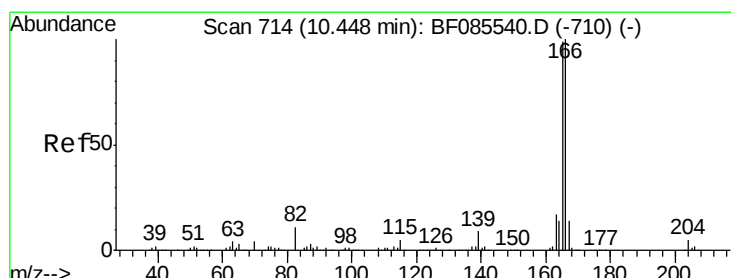
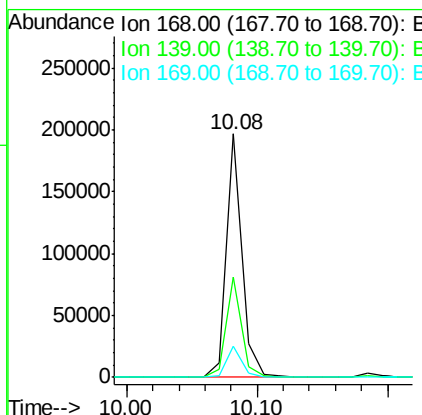
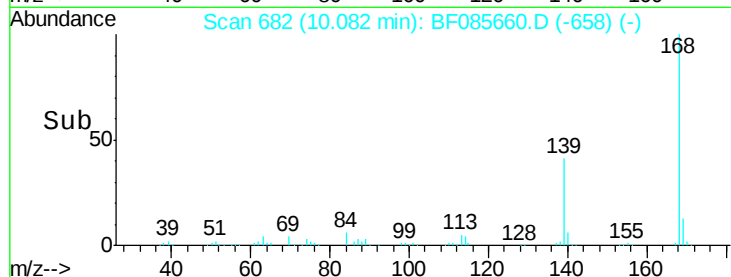
Instrument :
BNA_F
ClientSampleId :
AOU2-SB45(6.5-8)DL



Tgt Ion:168 Resp: 166756
Ion Ratio Lower Upper
168 100
139 41.0 31.9 47.9
169 13.0 11.0 16.6

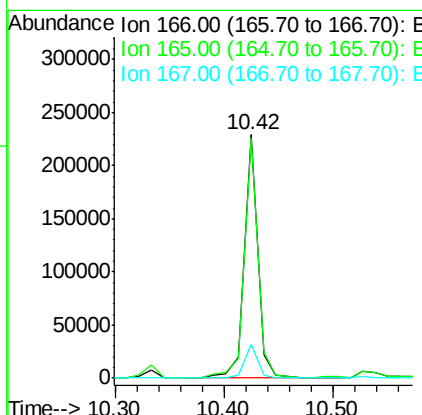
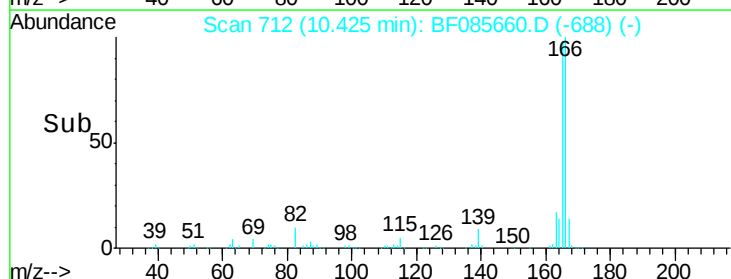
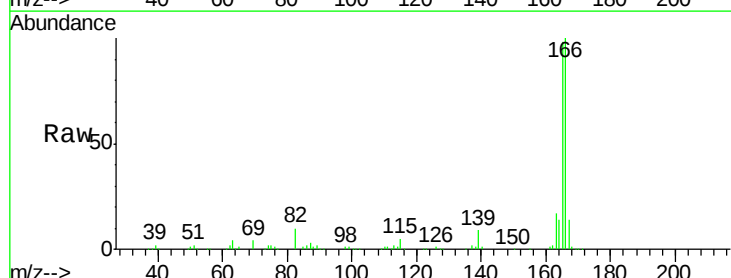
Manual Integrations
APPROVED

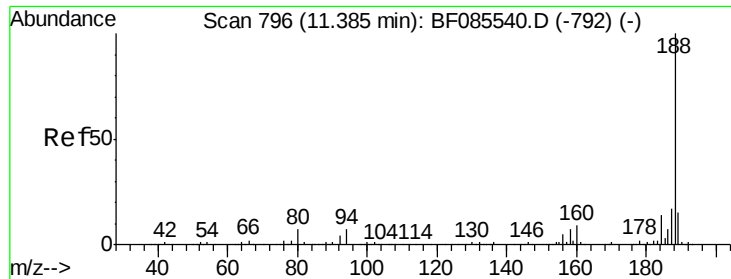
Sohil
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#57
Fluorene
Concen: 14.92 ng
RT: 10.42 min Scan# 712
Delta R.T. -0.02 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Tgt Ion:166 Resp: 195504
Ion Ratio Lower Upper
166 100
165 98.3 79.4 119.0
167 13.6 11.0 16.4





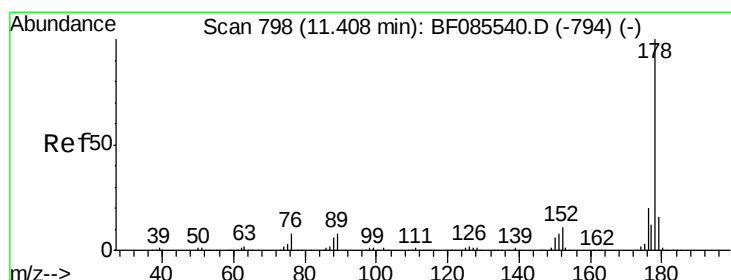
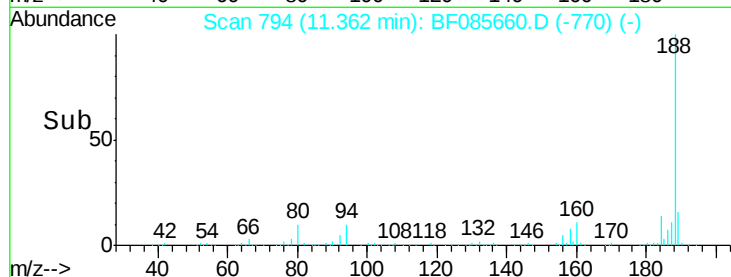
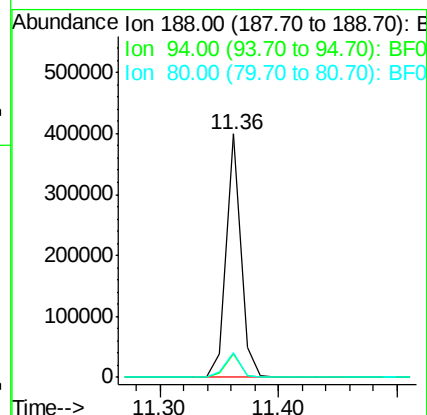
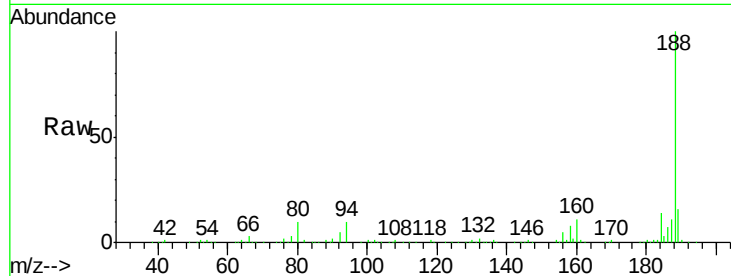
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Instrument :
BNA_F
ClientSampleId :
AOU2-SB45(6.5-8)DL

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	9.8	5.4	8.0#
80	10.0	5.5	8.3#

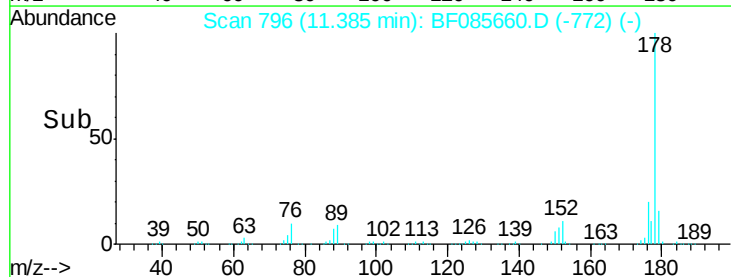
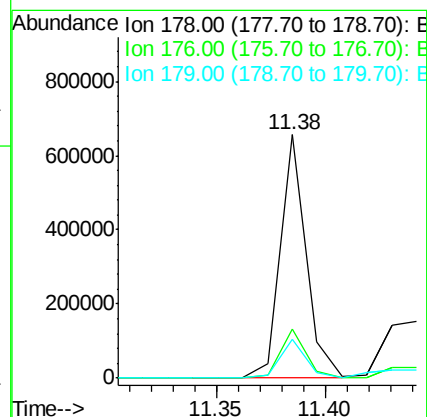
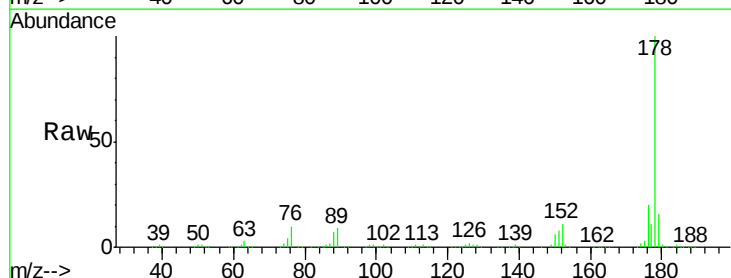
Manual Integrations
APPROVED

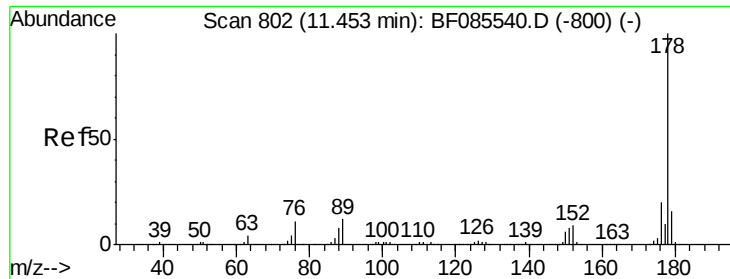
Sohil
3/22/2016 5:34:52 PM



#70
Phenanthrene
Concen: 30.76 ng
RT: 11.38 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.9	16.3	24.5
179	15.9	12.6	18.8





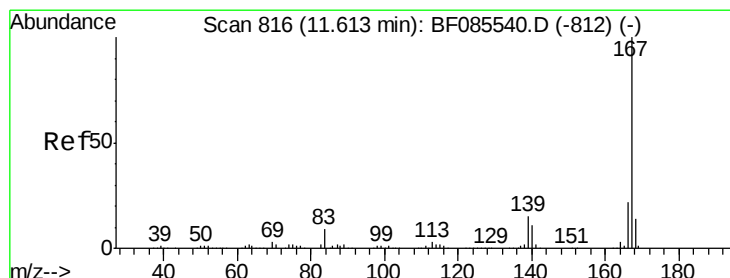
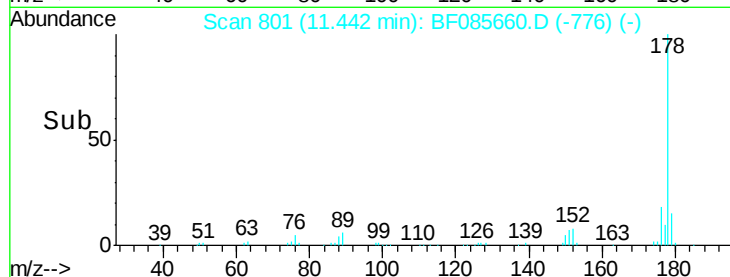
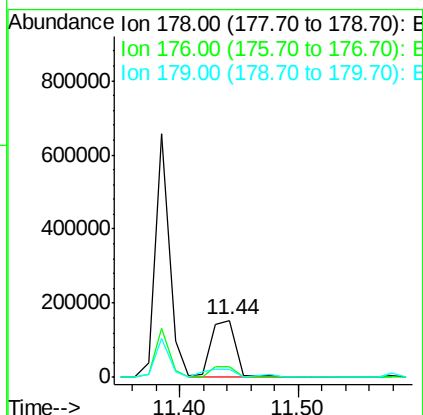
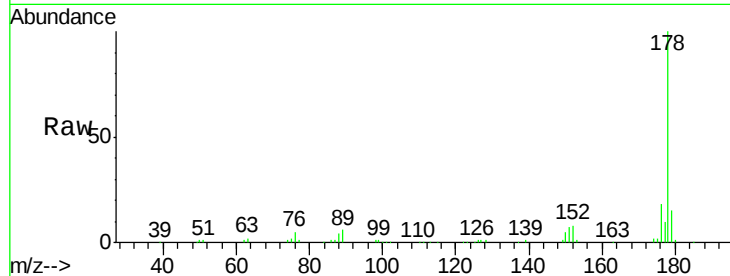
#71
 Anthracene
 Concen: 11.62 ng
 RT: 11.44 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF085660.D
 Acq: 22 Mar 2016 11:16

Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB45(6.5-8)DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.9	23.9
179	14.9	13.0	19.4

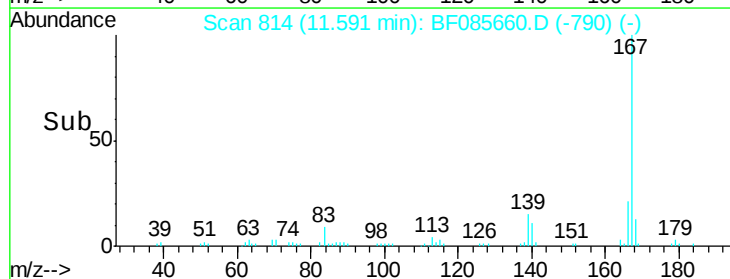
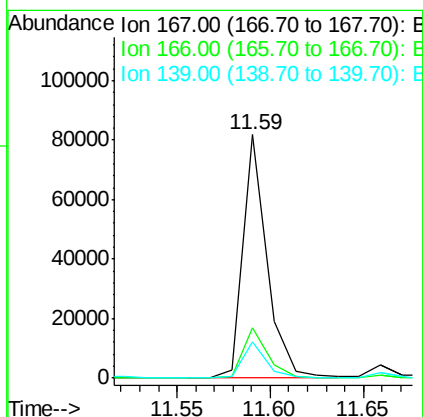
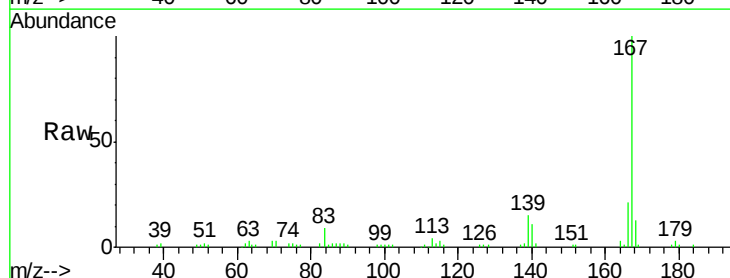
Manual Integrations
 APPROVED

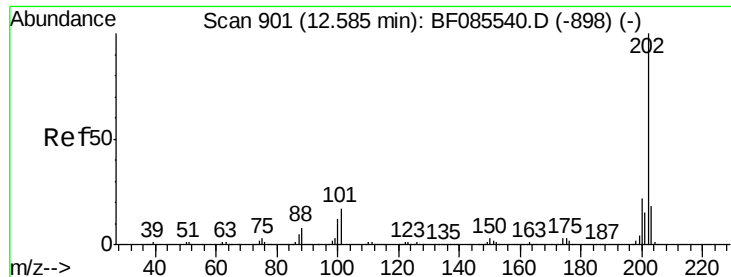
Sohil
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#72
 Carbazole
 Concen: 4.59 ng
 RT: 11.59 min Scan# 814
 Delta R.T. -0.02 min
 Lab File: BF085660.D
 Acq: 22 Mar 2016 11:16

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.8	26.8
139	14.7	11.6	17.4





#74

Fluoranthene

Concen: 17.68 ng

RT: 12.57 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF085660.D

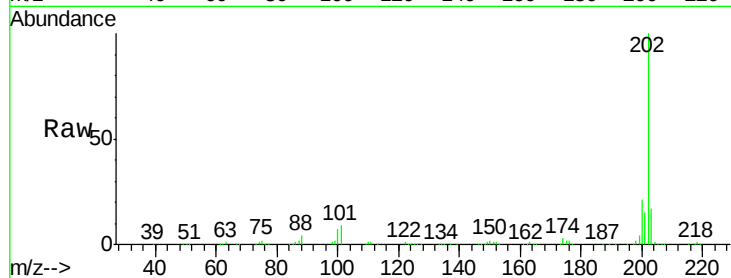
Acq: 22 Mar 2016 11:16

Instrument :

BNA_F

ClientSampleId :

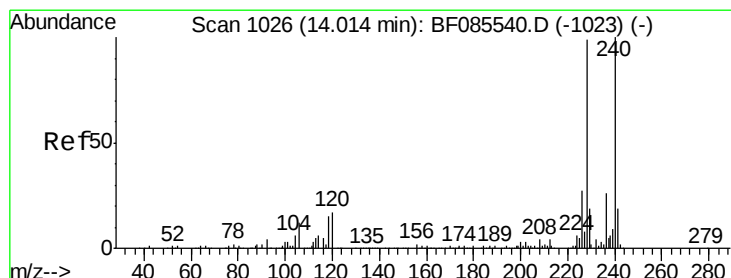
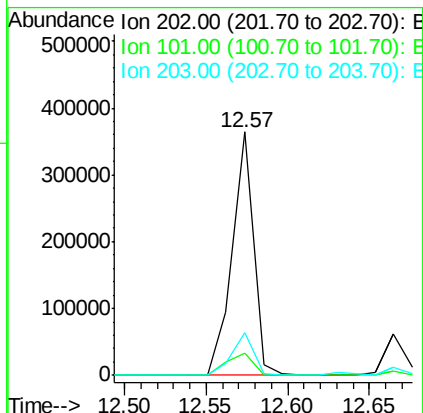
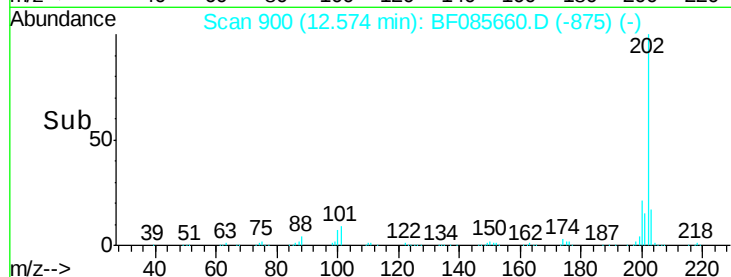
AOU2-SB45(6.5-8)DL



Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.3	0.0	36.6
203	17.4	0.0	38.1

Manual Integrations
APPROVED

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#75

Chrysene-d12

Concen: 20.00 ng

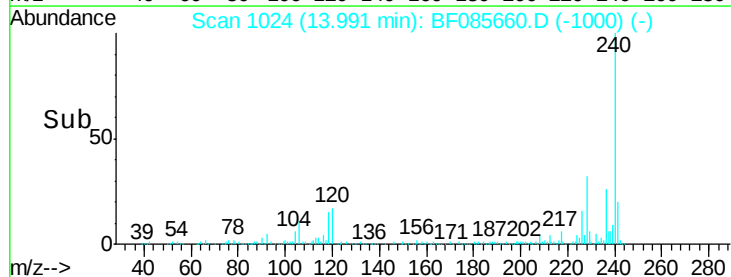
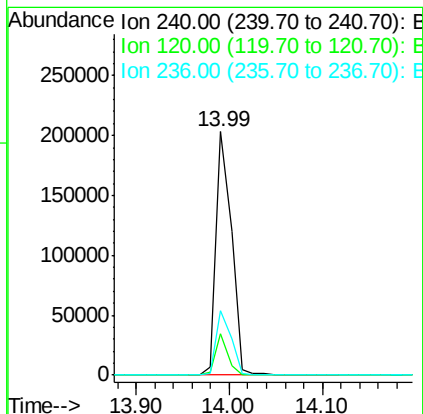
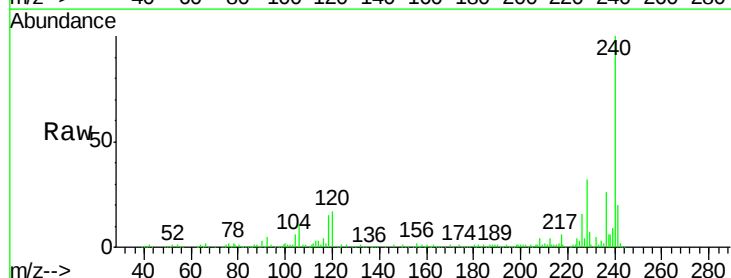
RT: 13.99 min Scan# 1024

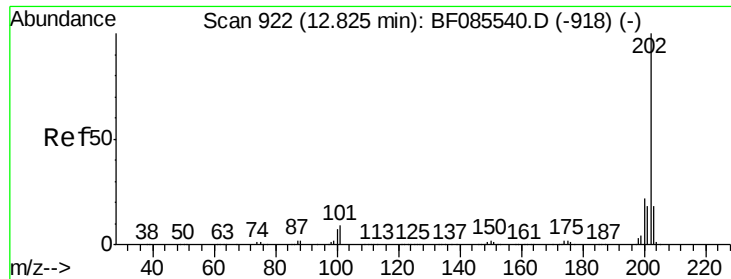
Delta R.T. -0.02 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	17.0	13.8	20.8
236	26.5	20.6	30.8





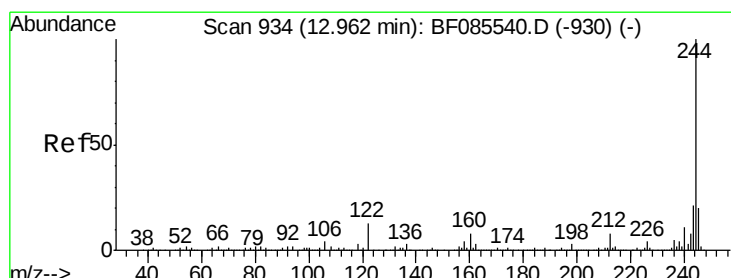
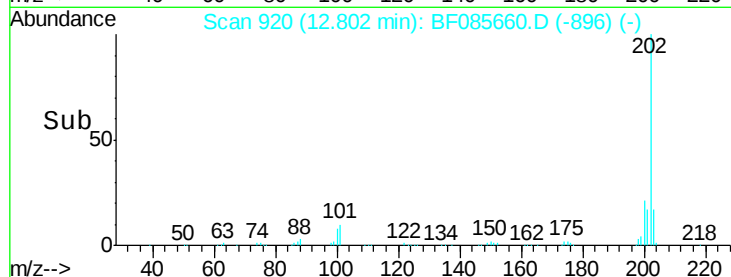
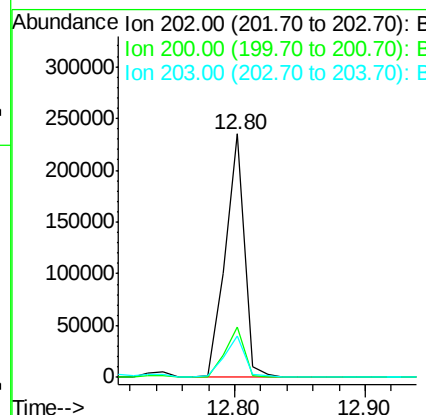
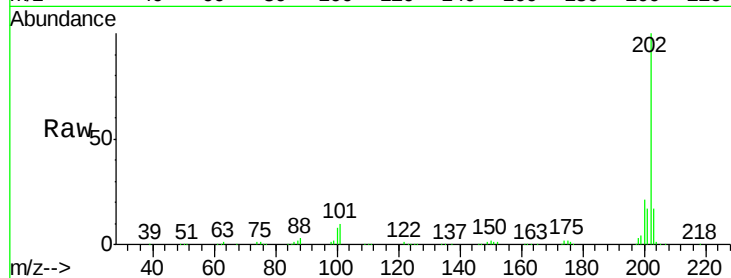
#77
Pyrene
Concen: 14.28 ng
RT: 12.80 min Scan# 920
Delta R.T. -0.02 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Instrument :
BNA_F
ClientSampleId :
AOU2-SB45(6.5-8)DL

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	17.6	26.4
203	17.0	14.0	21.0

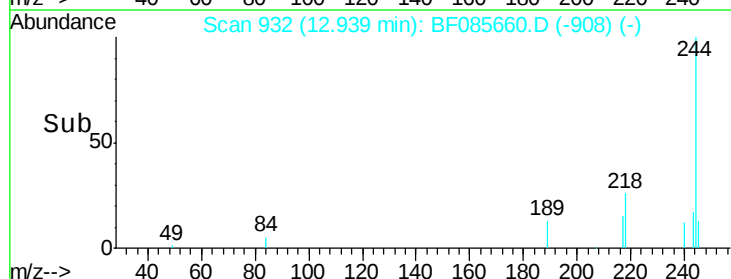
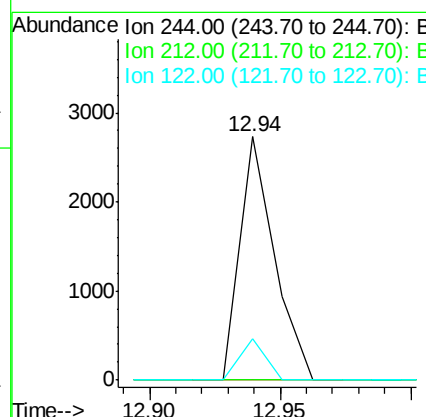
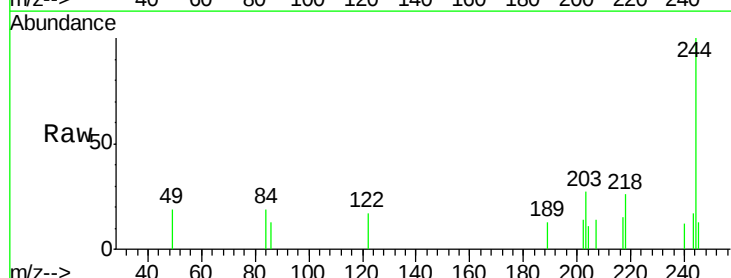
Manual Integrations
APPROVED

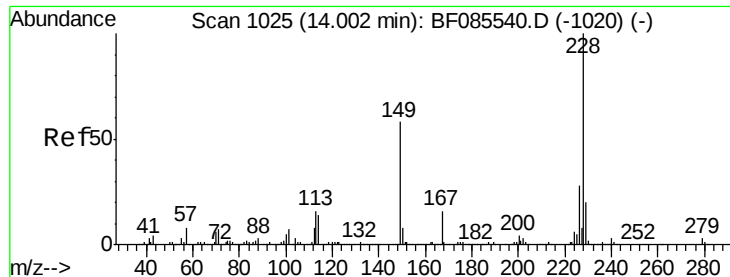
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#78
Terphenyl-d14
Concen: 0.26 ng
RT: 12.94 min Scan# 932
Delta R.T. -0.02 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	0.0	6.1	9.1#
122	17.1	10.2	15.4#





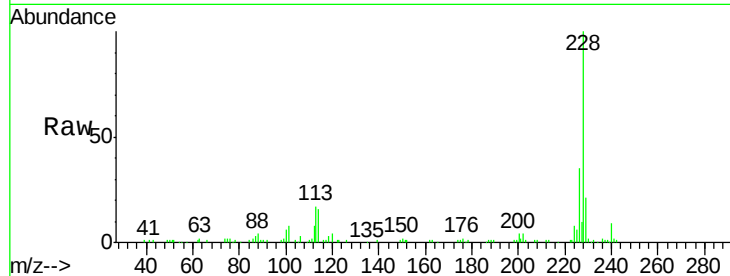
#80
Benzo(a)anthracene
Concen: 8.31 ng
RT: 13.98 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Instrument :
BNA_F
ClientSampleId :
AOU2-SB45(6.5-8)DL

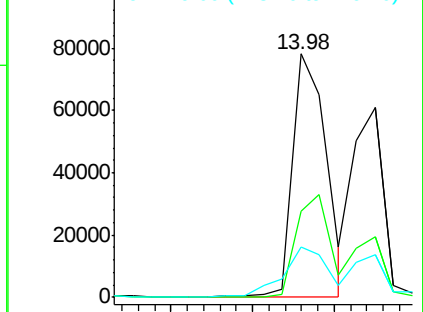
Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	35.4	22.1	33.1#
229	20.8	16.2	24.4

Manual Integrations
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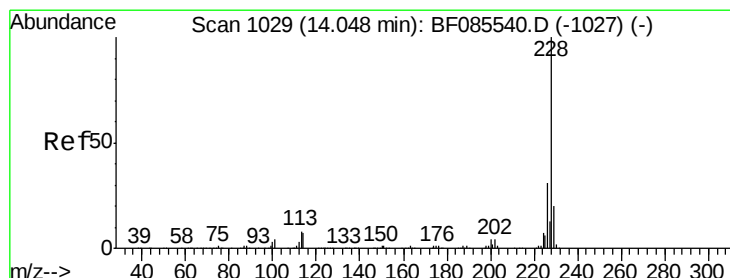
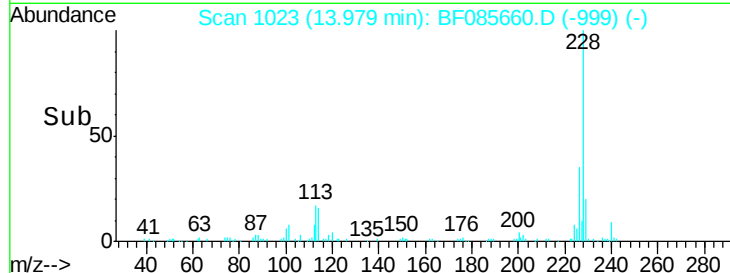
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



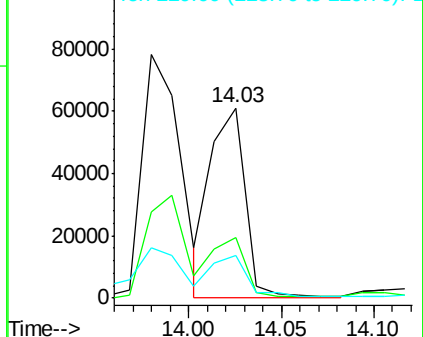
Time-->



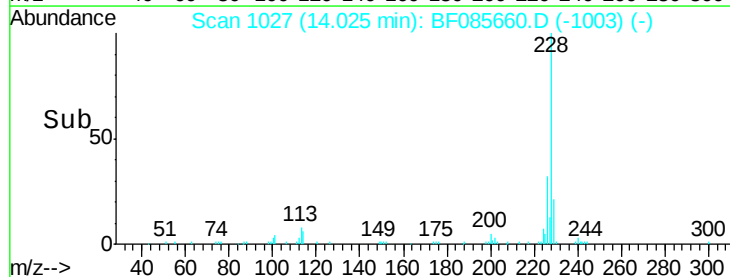
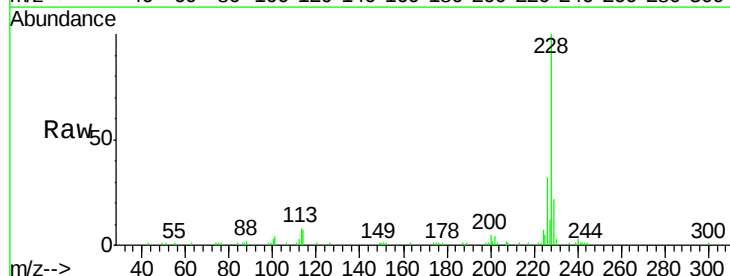
#82
Chrysene
Concen: 6.26 ng m
RT: 14.03 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

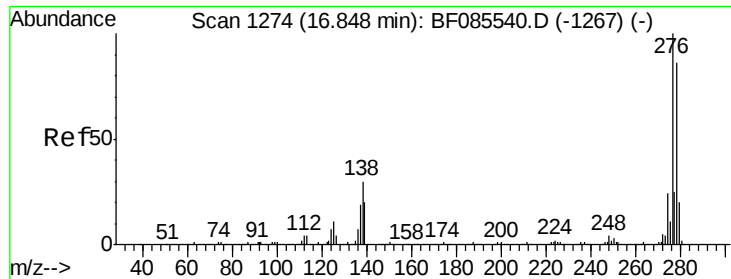
Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	32.1	25.0	37.6
229	22.4	15.7	23.5

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





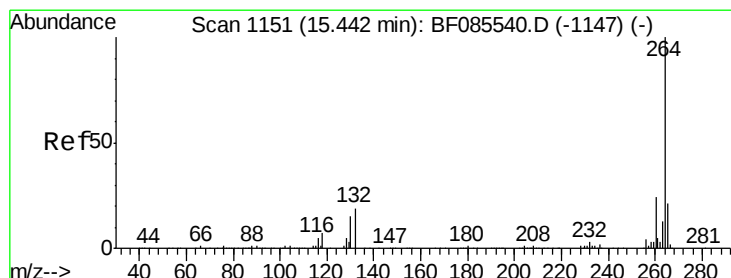
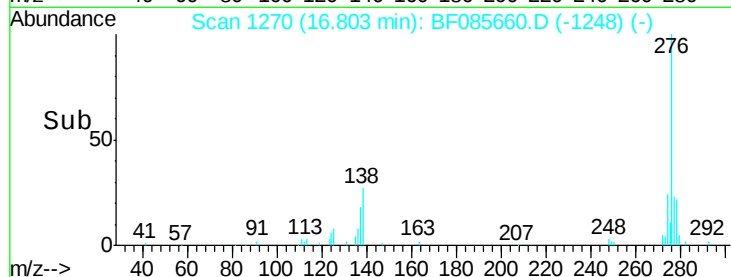
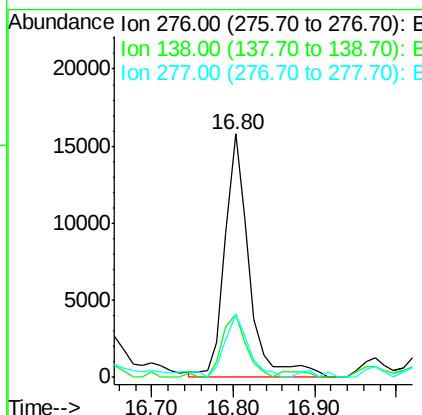
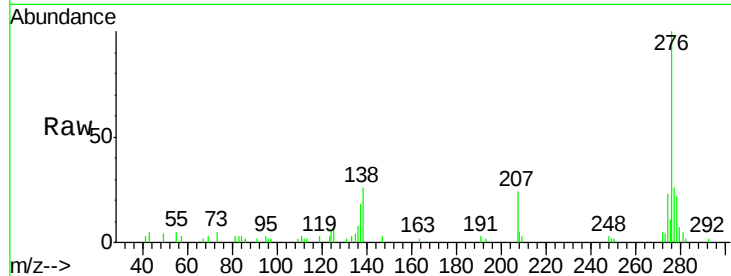
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.99 ng
RT: 16.80 min Scan# 1270
Delta R.T. -0.05 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Instrument :
BNA_F
ClientSampleId :
AOU2-SB45(6.5-8)DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.9	24.2	36.4
277	25.2	20.0	30.0

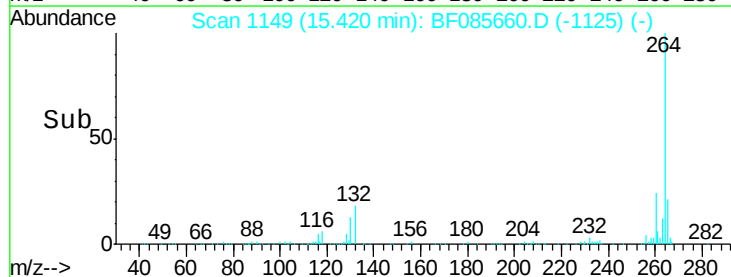
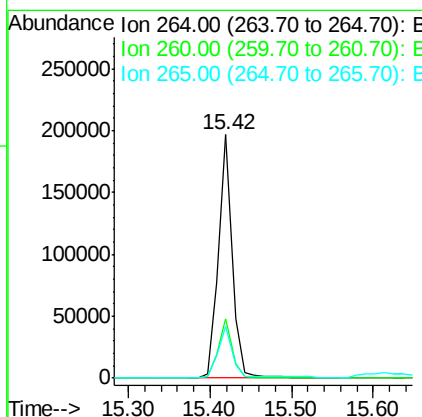
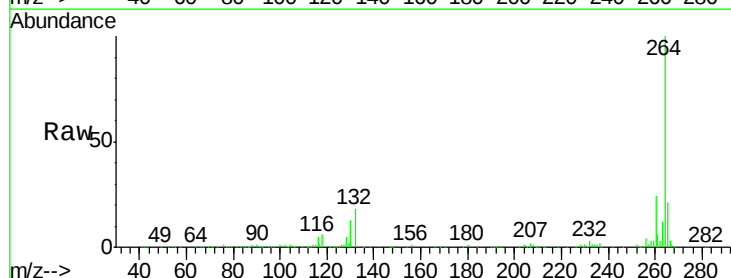
Manual Integrations
APPROVED

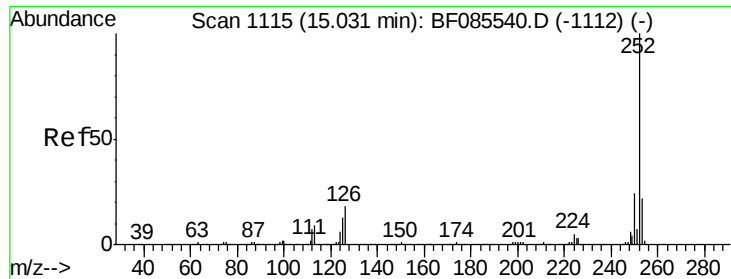
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	21.1	17.2	25.8





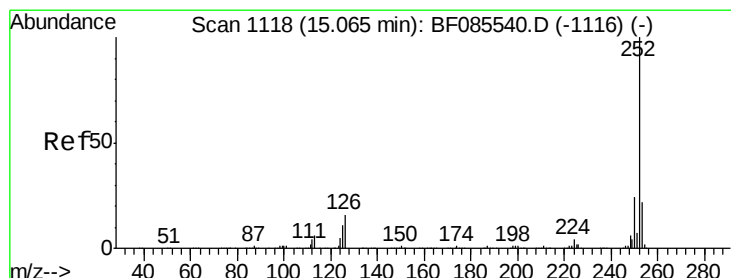
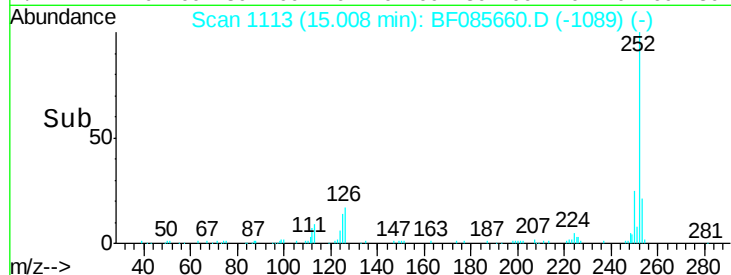
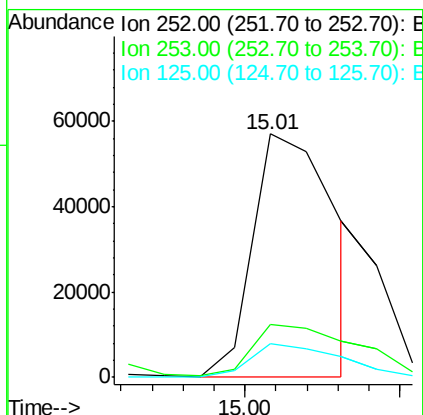
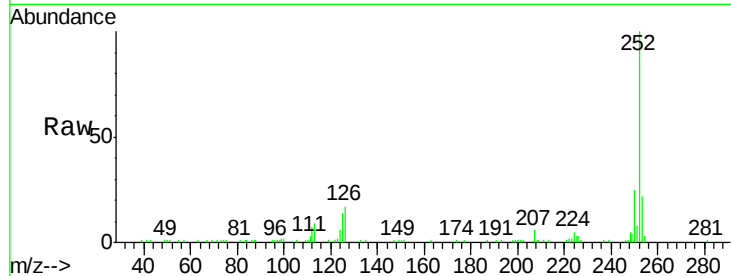
#87
Benzo(b)fluoranthene
Concen: 6.95 ng m
RT: 15.01 min Scan# 1113
Delta R.T. -0.02 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Instrument :
BNA_F
ClientSampleId :
AOU2-SB45(6.5-8)DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	13.6	10.3	15.5

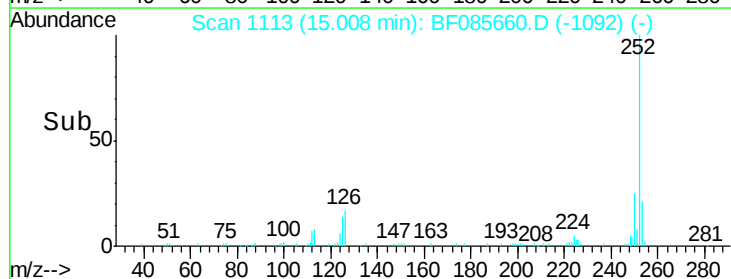
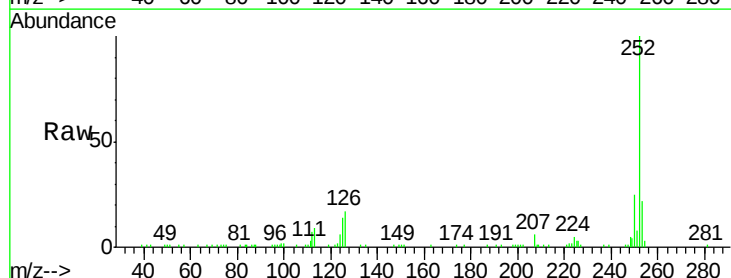
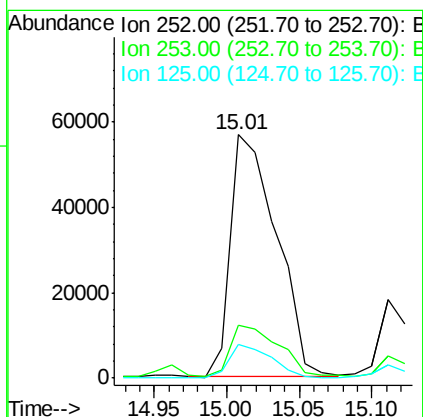
Manual Integrations
APPROVED

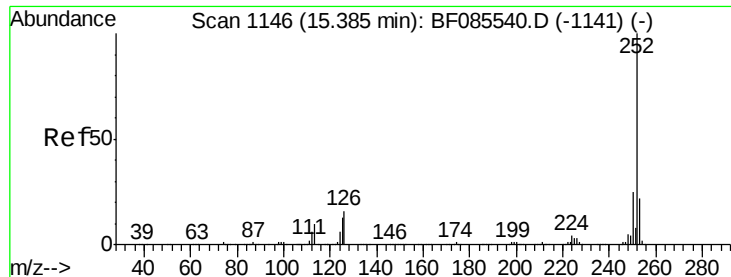
Sohil
3/22/2016 5:34:52 PM



#88
Benzo(k)fluoranthene
Concen: 10.01 ng
RT: 15.01 min Scan# 1113
Delta R.T. -0.06 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	13.6	7.7	11.5#





#89

Benzo(a)pyrene

Concen: 5.67 ng

RT: 15.36 min Scan# 1144

Delta R.T. -0.02 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

Instrument :

BNA_F

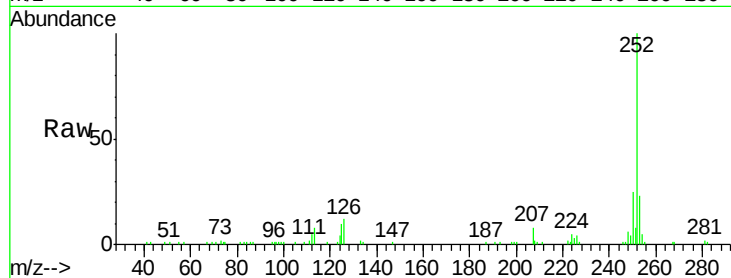
ClientSampleId :

AOU2-SB45(6.5-8)DL

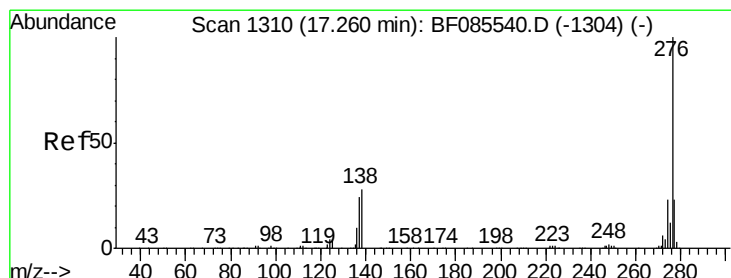
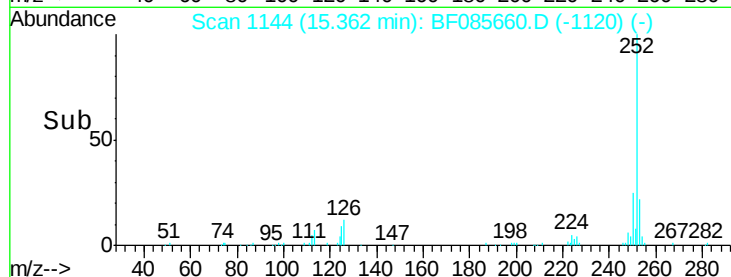
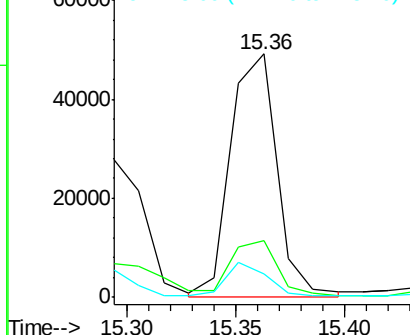
Tgt Ion:	252	Resp:	72675
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.0
125	9.8	10.3	15.5#

Manual Integrations
APPROVED

Sohil
3/22/2016 5:34:52 PM



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



#91

Benzo(g,h,i)perylene

Concen: 2.51 ng

RT: 17.23 min Scan# 1307

Delta R.T. -0.03 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

Tgt Ion:	276	Resp:	25954
Ion Ratio	Lower	Upper	
276	100		
277	23.4	18.8	28.2
138	26.3	22.6	34.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

