

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
 Data File : BF085586.D
 Acq On : 19 Mar 2016 21:23
 Operator : UM/SJ
 Sample : H1799-18 100X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Mar 21 11:54:08 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	6.85	152	121190m	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	493924	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	217736	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	383000	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	224955	20.00	ng	0.00
86) Perylene-d12	15.43	264	244165	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	6294	0.87	ng	0.00
7) Phenol-d6	6.47	99	12629	1.36	ng	-0.02
23) Nitrobenzene-d5	7.42	82	7773	0.91	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	1994	0.93	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	19035	-1.00	ng	-0.01
78) Terphenyl-d14	12.95	244	11949	1.28	ng	-0.01

Target Compounds						Qvalue
10) Phenol	6.49	94	237882	22.57	ng	86
17) 2-Methylphenol	7.10	107	44948	6.50	ng	97
20) 3+4-Methylphenols	7.26	107	165442m	20.64	ng	
27) 2,4-Dimethylphenol	7.80	122	34819	4.28	ng	98
31) Naphthalene	8.17	128	3533730	141.74	ng	97
37) 2-Methylnaphthalene	8.85	142	726470	47.80	ng	98
45) 1,1'-Biphenyl	9.32	154	205525	10.94	ng	94
48) Acenaphthylene	9.75	152	1008809	45.43	ng	99
51) Acenaphthene	9.92	154	62804	4.51	ng	97
54) Dibenzofuran	10.09	168	670924	39.54	ng	96
57) Fluorene	10.44	166	765119	54.10	ng	100
70) Phenanthrene	11.41	178	2042220	101.13	ng	98
71) Anthracene	11.45	178	941544	44.47	ng	100
72) Carbazole	11.60	167	365423	20.00	ng	99
74) Fluoranthene	12.58	202	1305207	61.73	ng	98
77) Pyrene	12.81	202	947006	58.63	ng	99
80) Benzo(a)anthracene	14.00	228	469687m	35.97	ng	
82) Chrysene	14.04	228	386350m	30.75	ng	
85) Indeno(1,2,3-cd)pyrene	16.83	276	170651	16.25	ng	96
87) Benzo(b)fluoranthene	15.03	252	400975m	25.17	ng	
88) Benzo(k)fluoranthene	15.05	252	145223m	11.06	ng	
89) Benzo(a)pyrene	15.37	252	327274	24.23	ng	96
90) Dibenzo(a,h)anthracene	16.84	278	47941m	4.26	ng	
91) Benzo(g,h,i)perylene	17.25	276	149952	13.75	ng	98

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

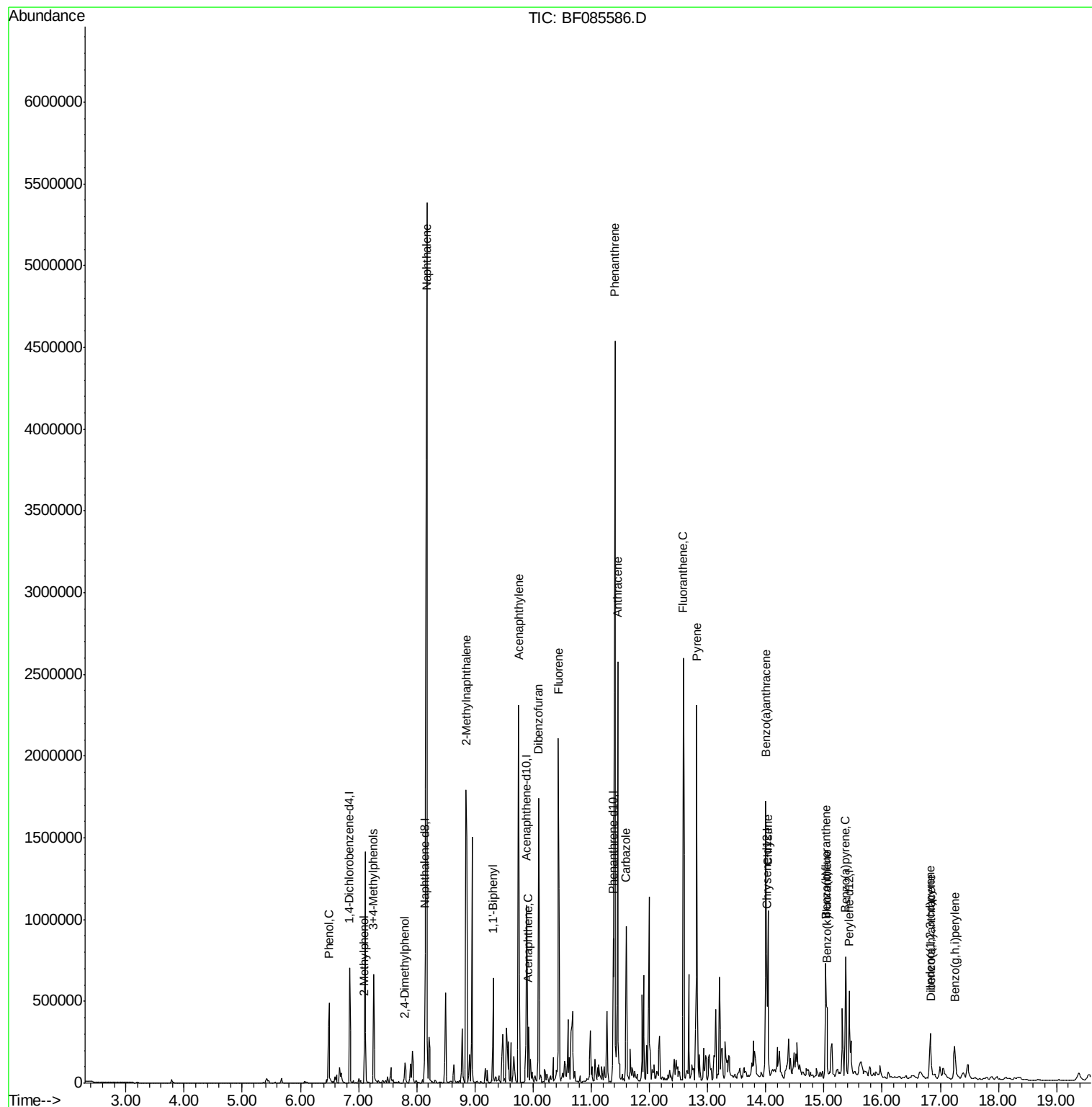
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085586.D
Acq On : 19 Mar 2016 21:23
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ALS Vial : 47 Sample Multiplier: 1

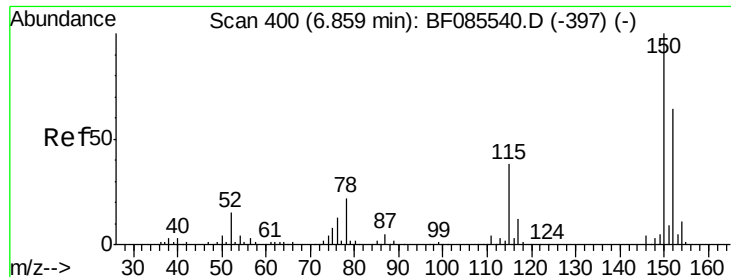
Instrument :
BNA_F
ClientSampleId :
AOU2-SB45(6.5-8)

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Quant Time: Mar 21 11:54:08 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng m

RT: 6.85 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF085586.D

Acq: 19 Mar 2016 21:23

Instrument :

BNA_F

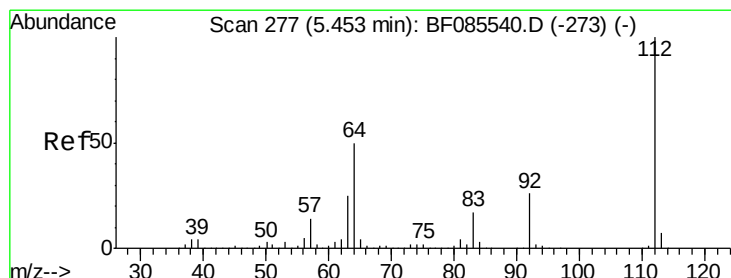
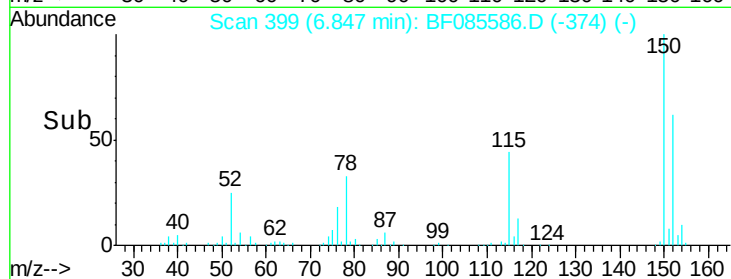
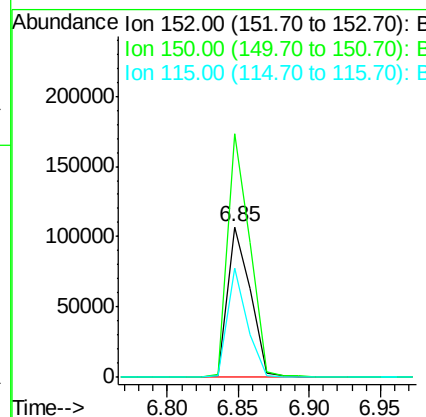
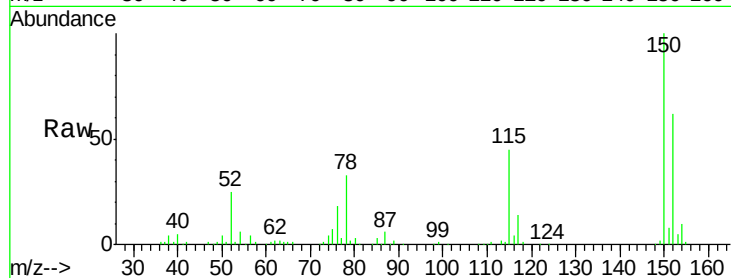
ClientSampleId :

AOU2-SB45(6.5-8)

Tgt Ion:	152	Resp:	121190
Ion Ratio	Lower	Upper	
152	100		
150	161.4	124.2	186.2
115	72.0	47.0	70.6#

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#5

2-Fluorophenol

Concen: 0.87 ng

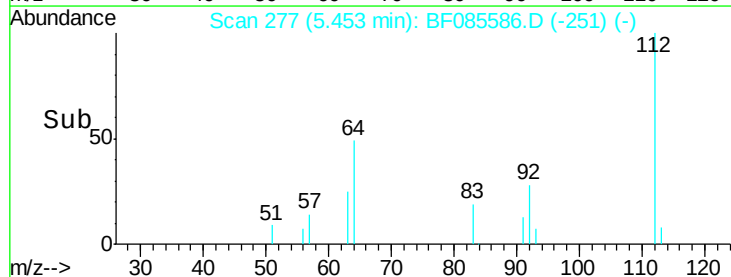
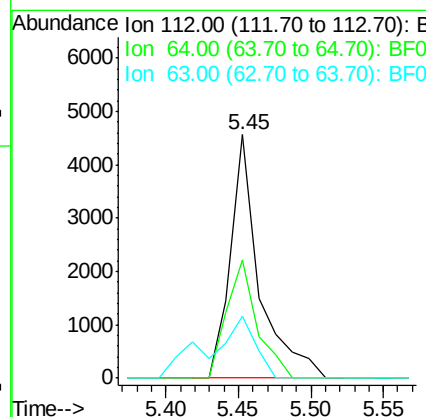
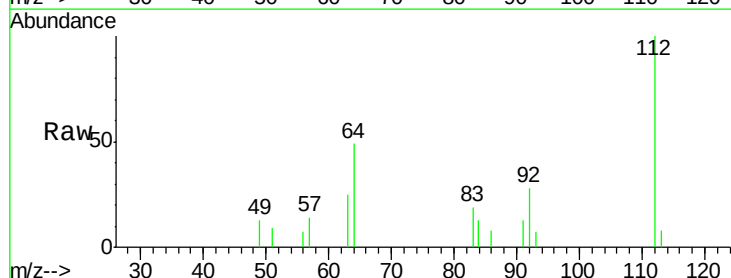
RT: 5.45 min Scan# 277

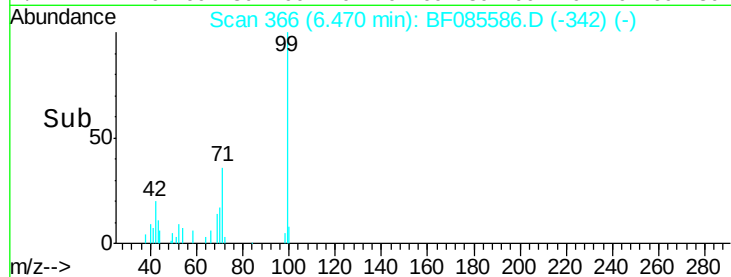
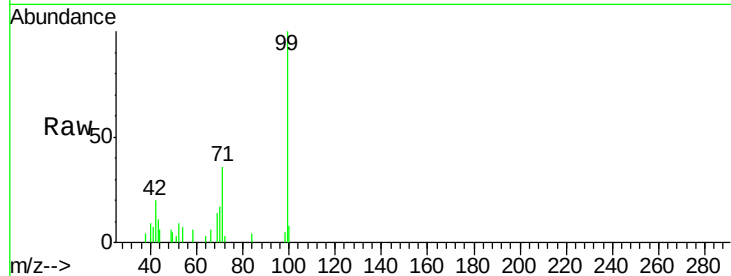
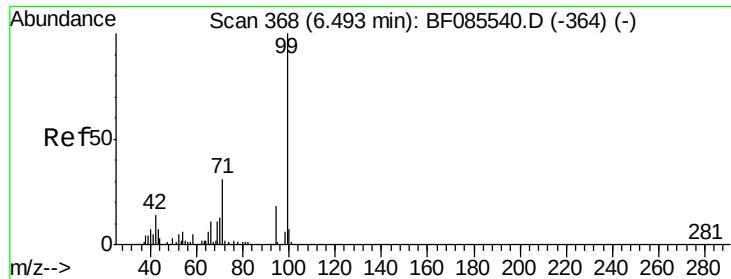
Delta R.T. 0.00 min

Lab File: BF085586.D

Acq: 19 Mar 2016 21:23

Tgt Ion:	112	Resp:	6294
Ion Ratio	Lower	Upper	
112	100		
64	48.5	39.9	59.9
63	25.5	20.2	30.2





#7

Phenol-d6

Concen: 1.36 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085586.D

Acq: 19 Mar 2016 21:23

Tgt Ion:	99	Resp:	12629
Ion	Ratio	Lower	Upper
99	100		
42	20.3	11.1	16.7#
71	36.2	24.9	37.3

Instrument :

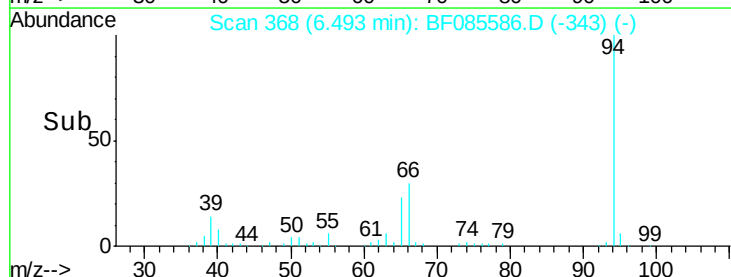
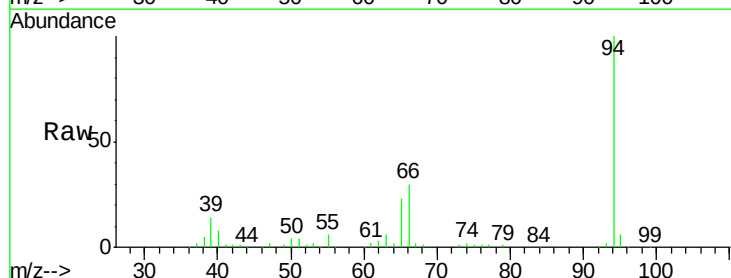
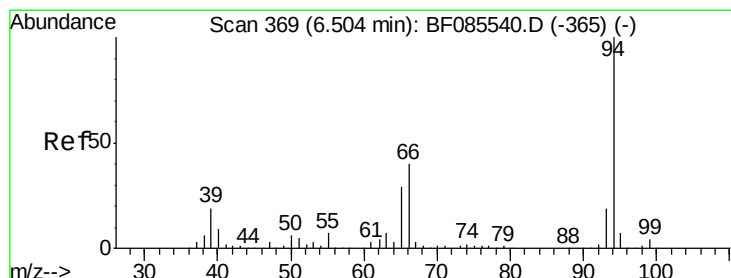
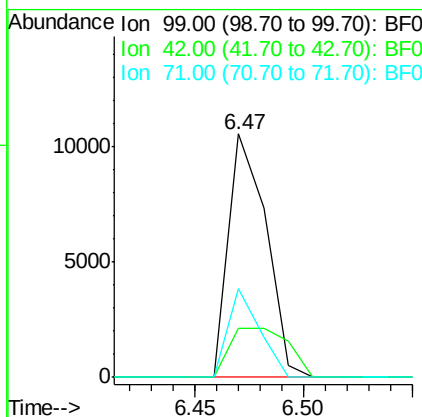
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#10

Phenol

Concen: 22.57 ng

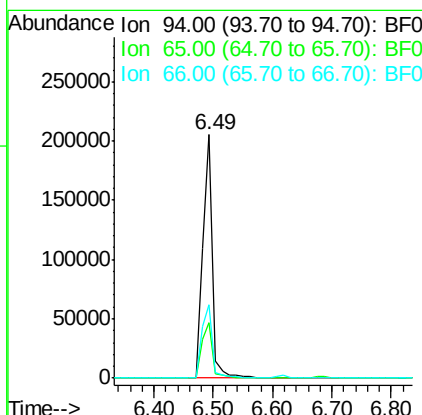
RT: 6.49 min Scan# 368

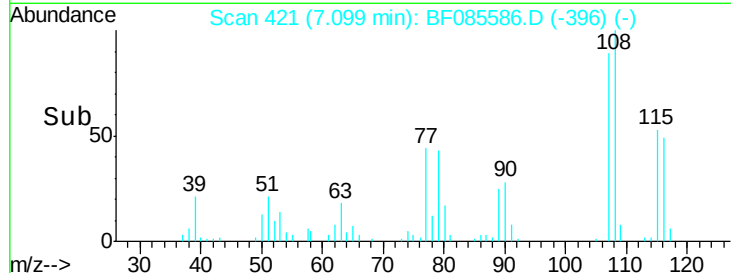
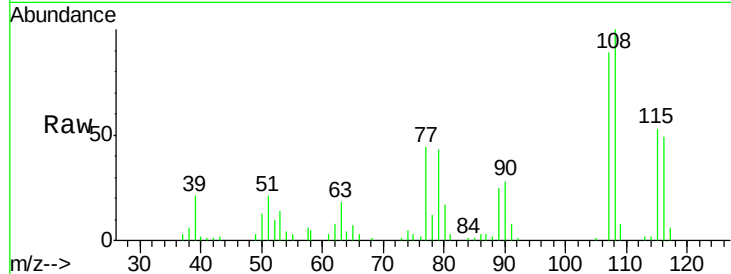
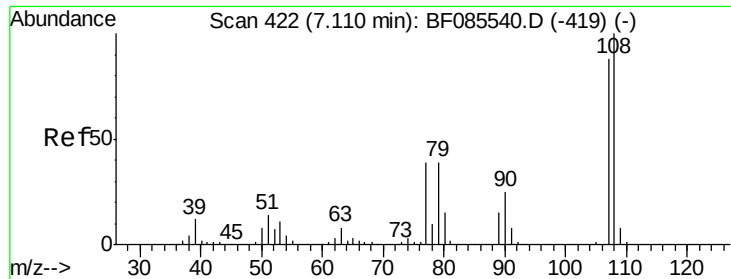
Delta R.T. -0.01 min

Lab File: BF085586.D

Acq: 19 Mar 2016 21:23

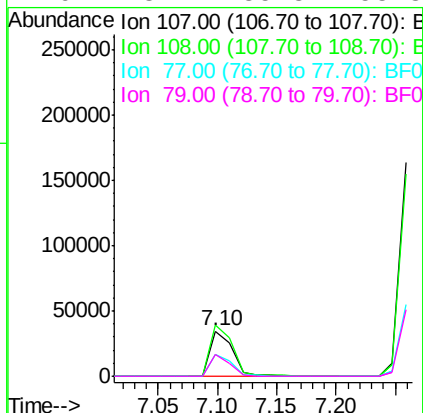
Tgt Ion:	94	Resp:	237882
Ion	Ratio	Lower	Upper
94	100		
65	22.8	8.6	48.6
66	30.1	20.0	60.0





#17
2-Methylphenol
Concen: 6.50 ng
RT: 7.10 min Scan# 421
Delta R.T. -0.01 min
Lab File: BF085586.D
Acq: 19 Mar 2016 21:23

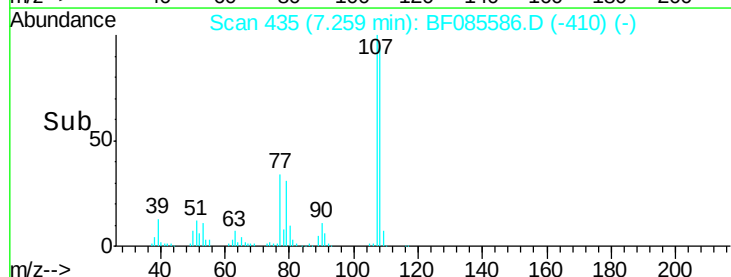
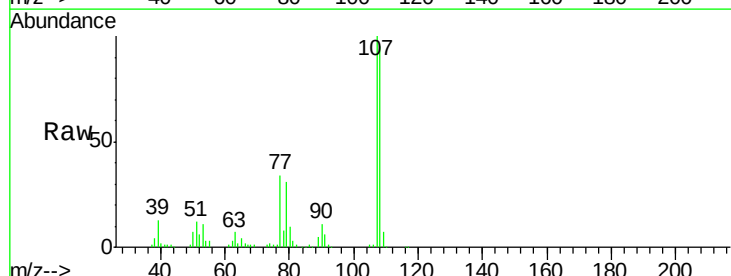
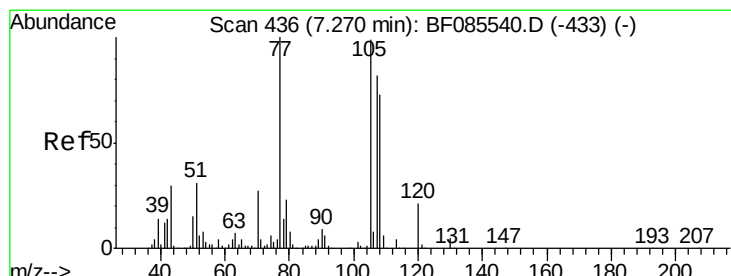
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	44948		
108	112.6	91.4	137.0	
77	49.5	36.2	54.2	
79	48.2	35.8	53.8	



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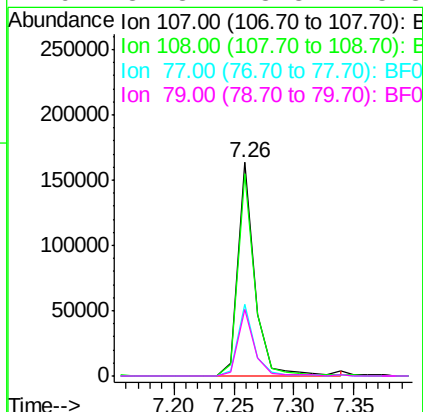
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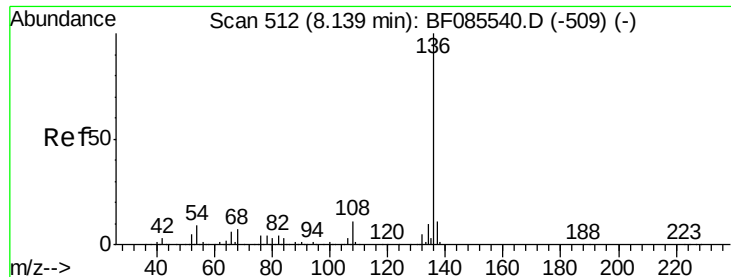
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#20
3+4-Methylphenols
Concen: 20.64 ng m
RT: 7.26 min Scan# 435
Delta R.T. -0.01 min
Lab File: BF085586.D
Acq: 19 Mar 2016 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	165442		
108	94.9	69.3	109.3	
77	33.7	101.7	141.7#	
79	31.3	8.3	48.3	





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF085586.D

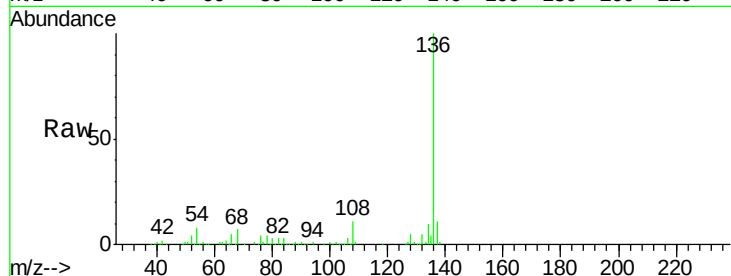
Acq: 19 Mar 2016 21:23

Instrument :

BNA_F

ClientSampleId :

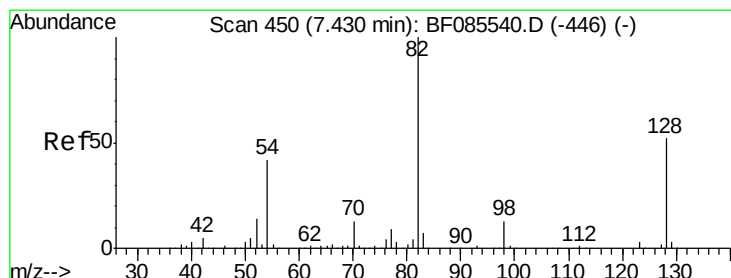
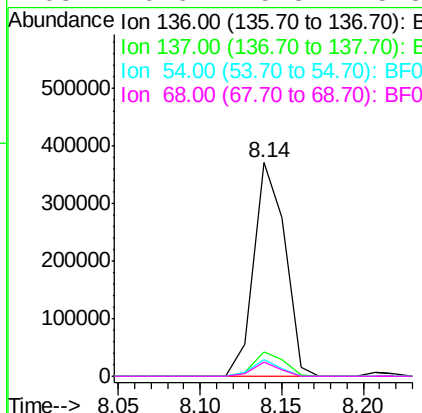
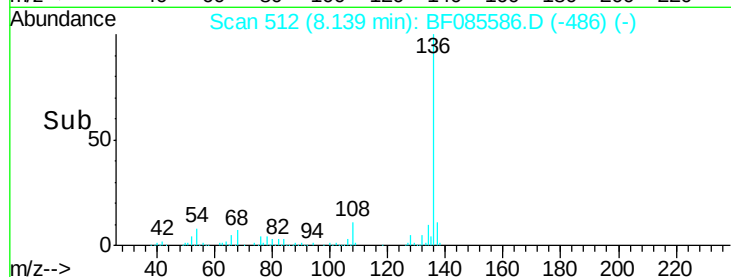
AOU2-SB45(6.5-8)



Tgt Ion	Ratio	Resp	Lower	Upper
136	100	493924		
137	11.1	9.1	13.7	
54	7.7	7.4	11.0	
68	6.6	5.8	8.8	

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#23

Nitrobenzene-d5

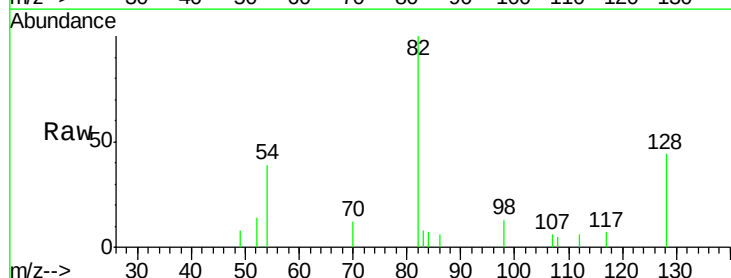
Concen: 0.91 ng

RT: 7.42 min Scan# 449

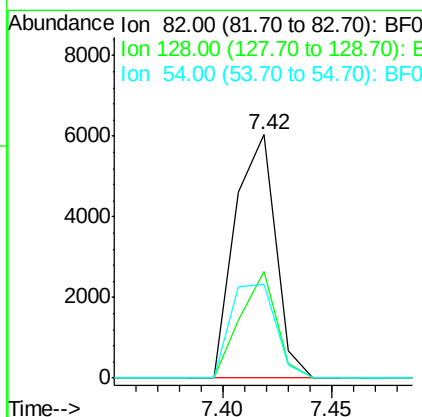
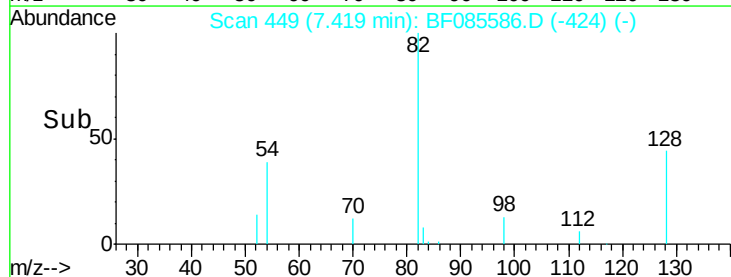
Delta R.T. -0.01 min

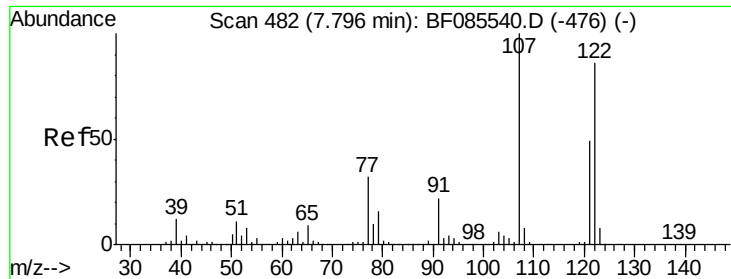
Lab File: BF085586.D

Acq: 19 Mar 2016 21:23



Tgt Ion	Ratio	Resp	Lower	Upper
82	100	7773		
128	43.7	41.8	62.8	
54	38.7	33.4	50.0	





#27

2,4-Dimethylphenol

Concen: 4.28 ng

RT: 7.80 min Scan# 482

Delta R.T. 0.00 min

Lab File: BF085586.D

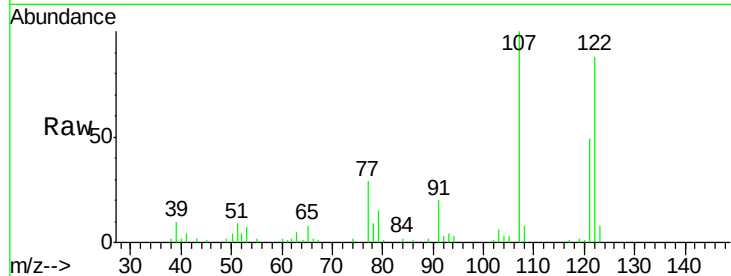
Acq: 19 Mar 2016 21:23

Instrument :

BNA_F

ClientSampleId :

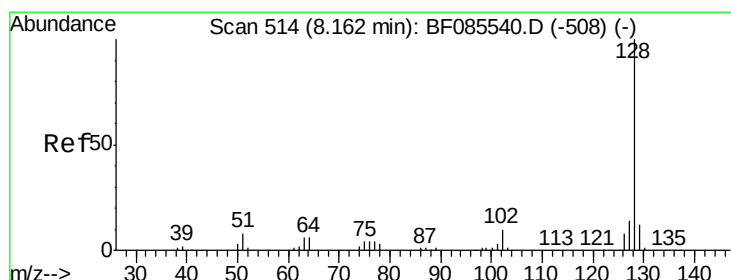
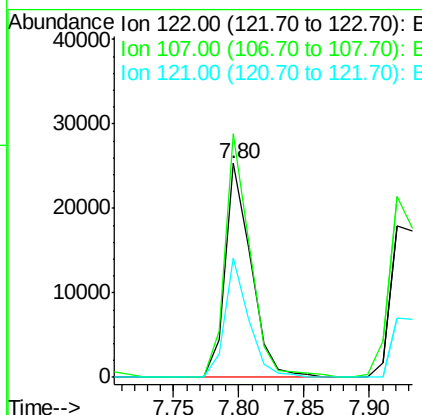
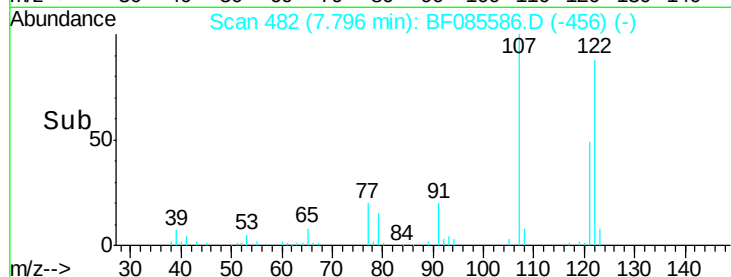
AOU2-SB45(6.5-8)



Tgt Ion:	122	Resp:	34819
Ion Ratio	Lower	Upper	
122	100		
107	113.9	93.0	139.6
121	55.8	45.9	68.9

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#31

Naphthalene

Concen: 141.74 ng

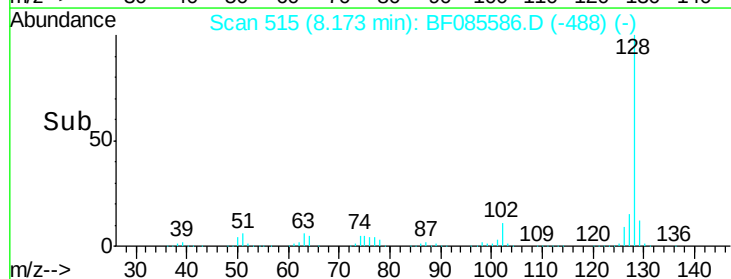
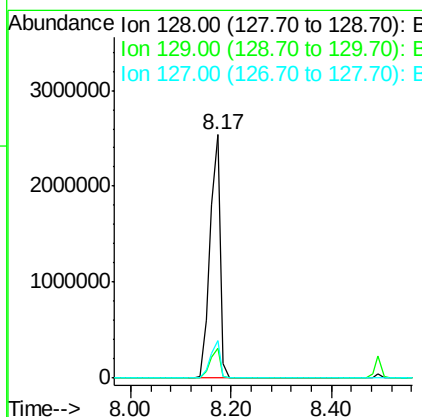
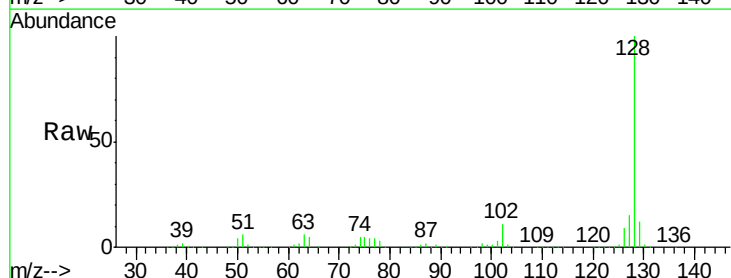
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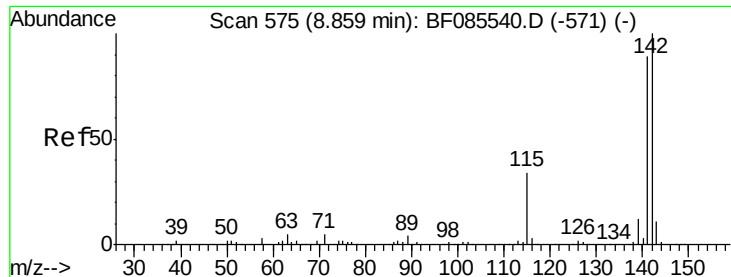
Delta R.T. 0.01 min

Lab File: BF085586.D

Acq: 19 Mar 2016 21:23

Tgt Ion:	128	Resp:	3533730
Ion Ratio	Lower	Upper	
128	100		
129	12.5	9.4	14.0
127	15.2	11.0	16.6





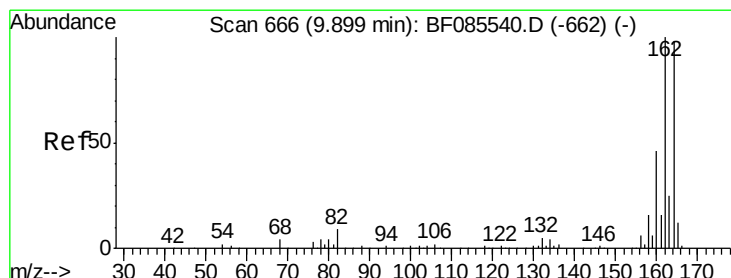
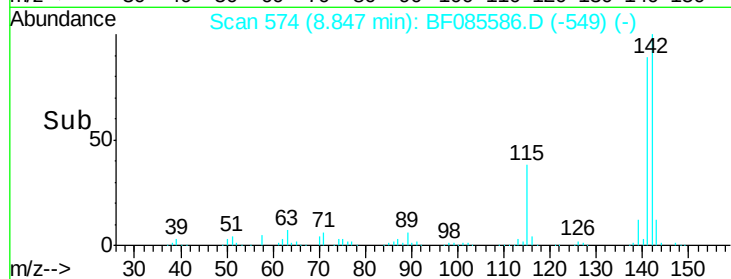
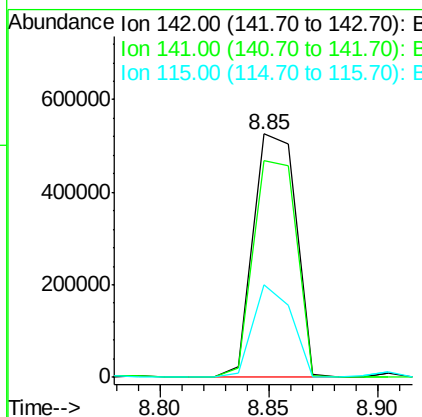
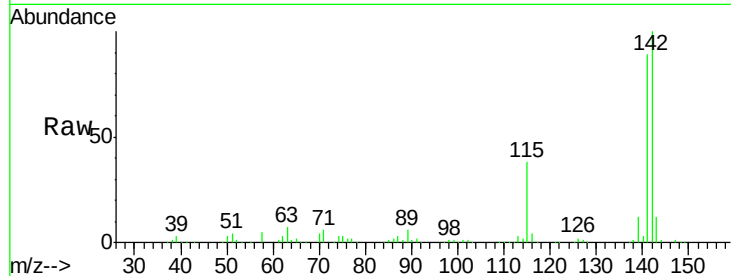
#37
 2-Methylnaphthalene
 Concen: 47.80 ng
 RT: 8.85 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF085586.D
 Acq: 19 Mar 2016 21:23

Instrument :
 BNA_F
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 AOU2-SB45(6.5-8)

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	726470		
141	89.1	71.6	107.4	
115	37.9	26.8	40.2	

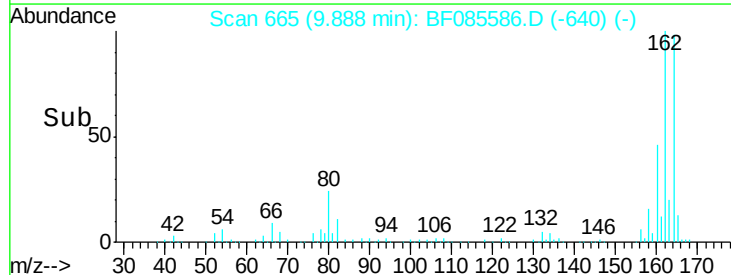
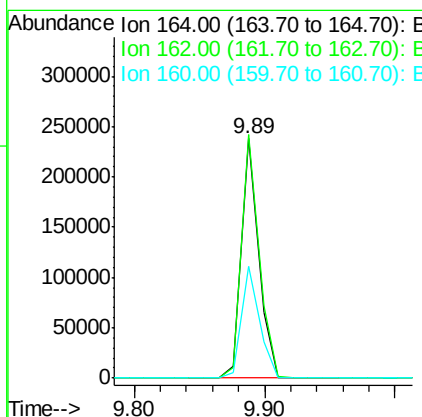
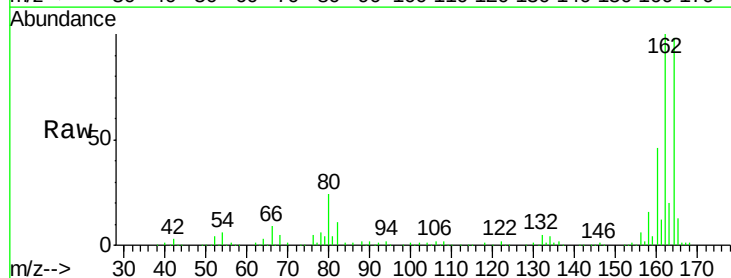
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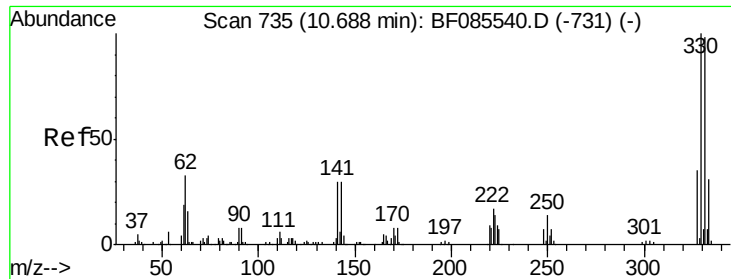
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: BF085586.D
 Acq: 19 Mar 2016 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	217736		
162	101.7	82.1	123.1	
160	46.6	37.4	56.2	





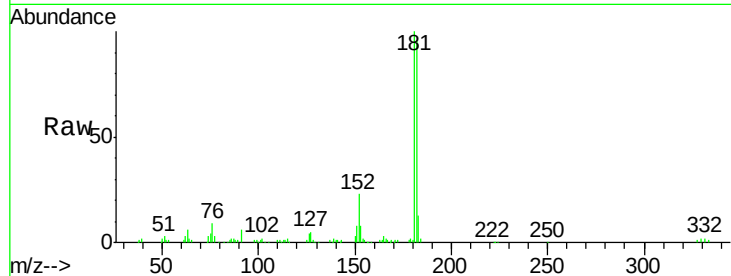
#41
 2,4,6-Tribromophenol
 Concen: 0.93 ng
 RT: 10.68 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: BF085586.D
 Acq: 19 Mar 2016 21:23

Instrument :
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 AOU2-SB45(6.5-8)

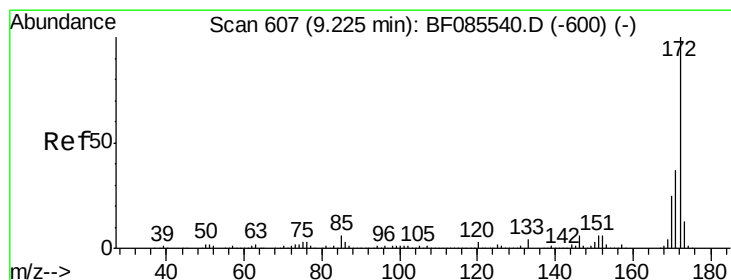
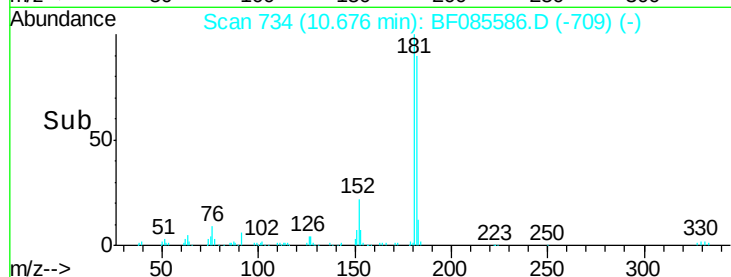
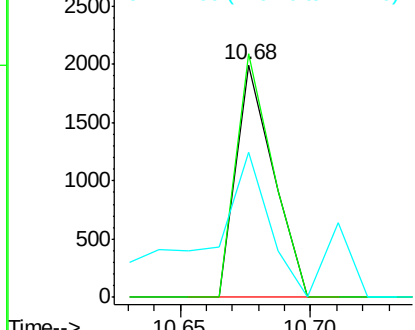
Tgt Ion	Ratio	Lower	Upper
330	100		
332	103.4	78.2	117.2
141	109.4	31.5	47.3

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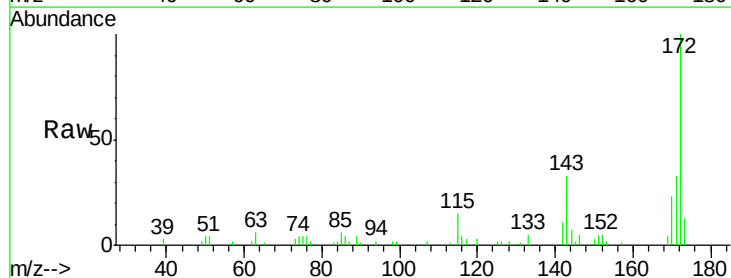


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

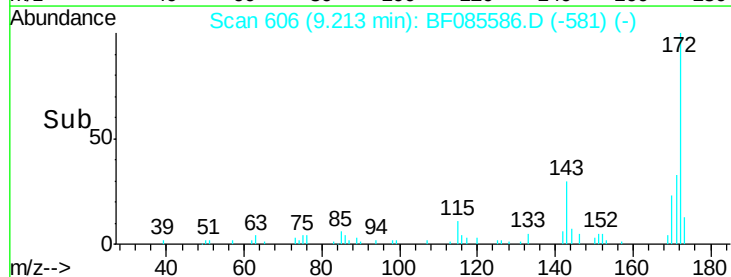
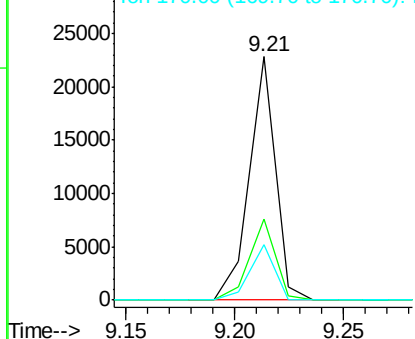


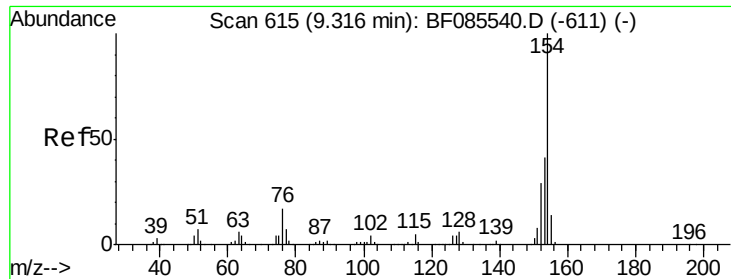
#44
 2-Fluorobiphenyl
 Concen: -1.00 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF085586.D
 Acq: 19 Mar 2016 21:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.3	29.4	44.2
170	22.9	19.8	29.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





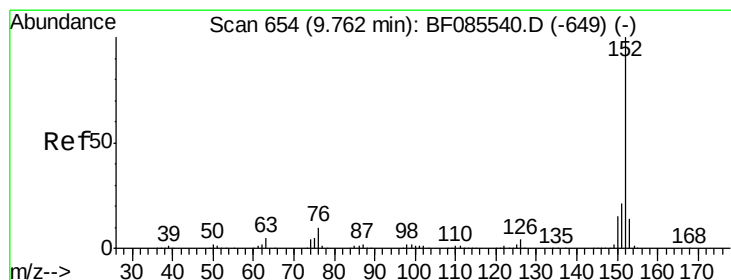
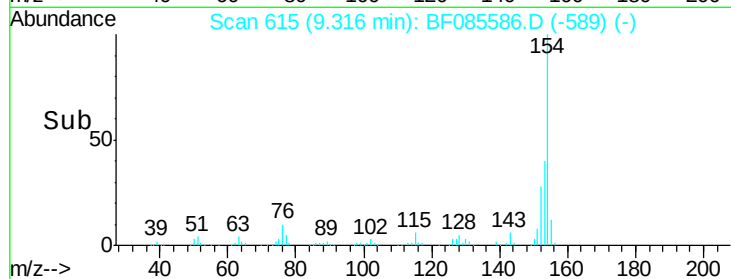
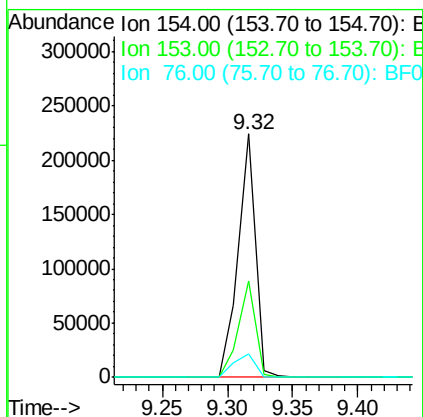
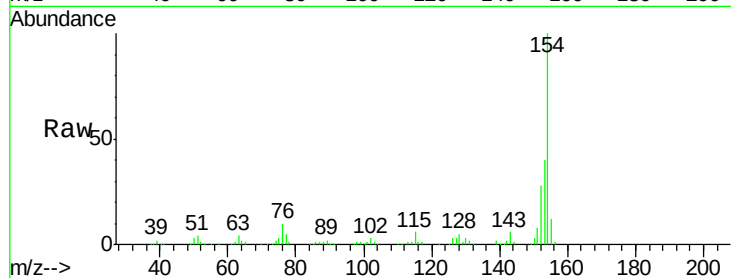
#45
1,1'-Biphenyl
Concen: 10.94 ng
RT: 9.32 min Scan# 615
Delta R.T. 0.00 min
Lab File: BF085586.D
Acq: 19 Mar 2016 21:23

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

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	205525		
153	39.8	20.8	60.8	
76	9.7	0.0	36.7	

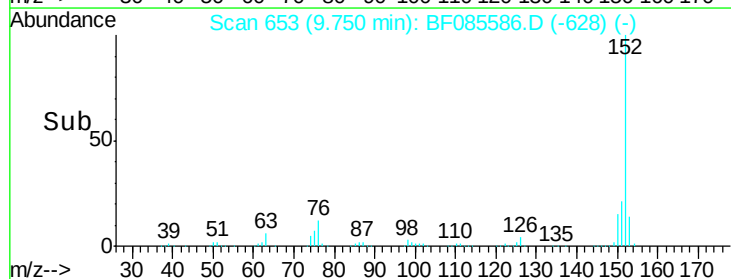
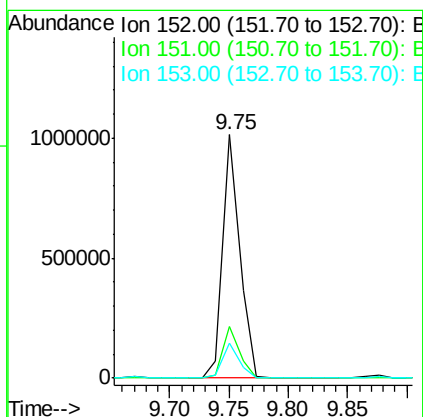
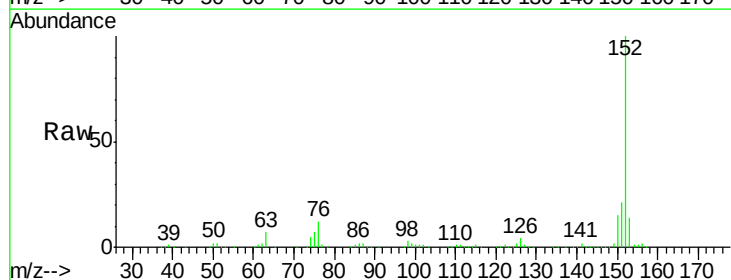
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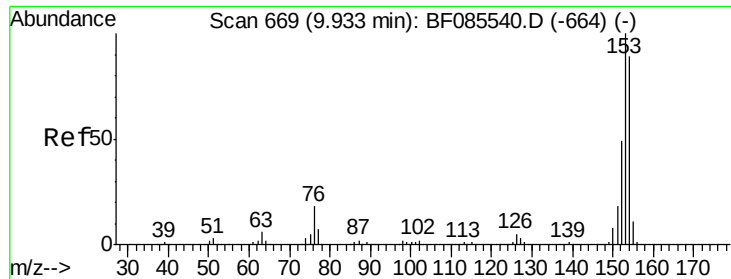
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3/21/2016 5:09:18 PM



#48
Acenaphthylene
Concen: 45.43 ng
RT: 9.75 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF085586.D
Acq: 19 Mar 2016 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	1008809		
151	21.0	16.8	25.2	
153	14.5	10.9	16.3	





#51

Acenaphthene

Concen: 4.51 ng

RT: 9.92 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF085586.D

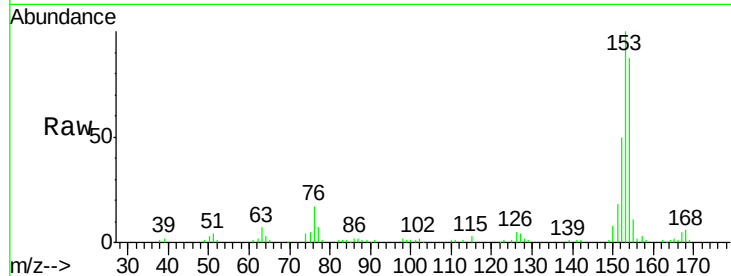
Acq: 19 Mar 2016 21:23

Instrument :

BNA_F

ClientSampleId :

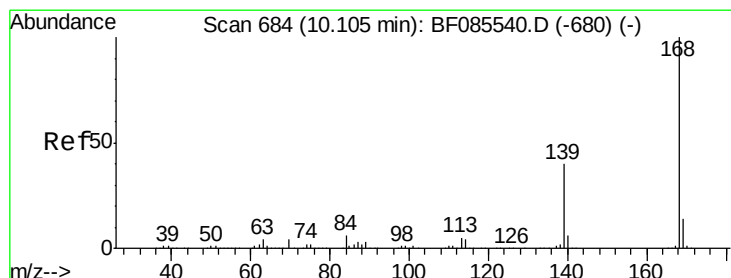
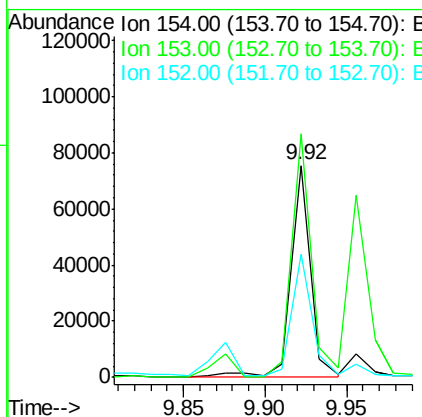
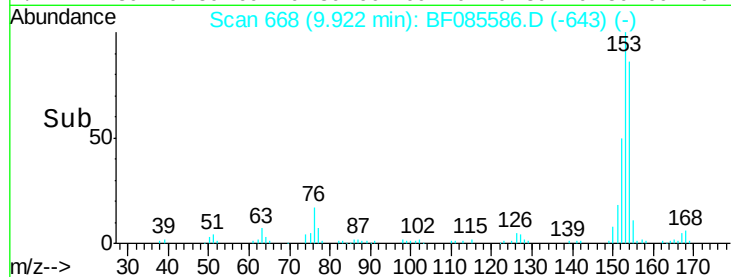
AOU2-SB45(6.5-8)



Tgt Ion:	154	Resp:	62804
Ion Ratio	Lower	Upper	
154	100		
153	115.0	90.1	135.1
152	58.0	44.2	66.2

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#54

Dibenzofuran

Concen: 39.54 ng

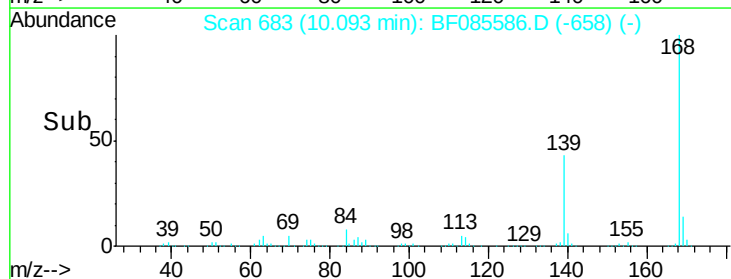
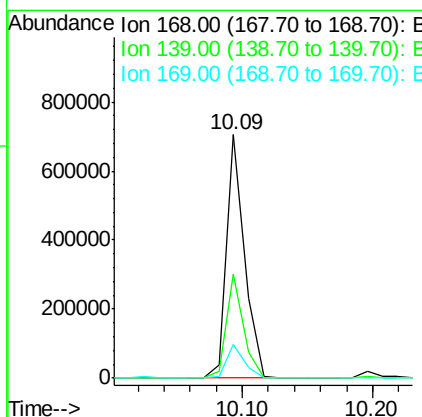
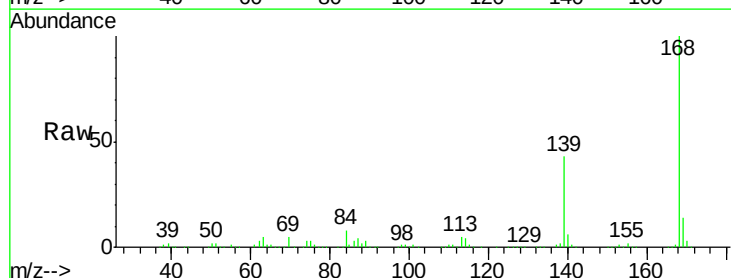
RT: 10.09 min Scan# 683

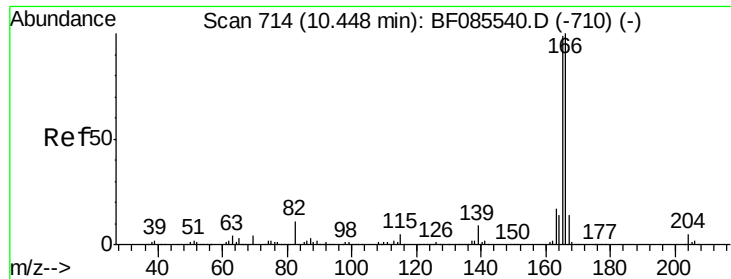
Delta R.T. -0.01 min

Lab File: BF085586.D

Acq: 19 Mar 2016 21:23

Tgt Ion:	168	Resp:	670924
Ion Ratio	Lower	Upper	
168	100		
139	42.9	31.9	47.9
169	14.1	11.0	16.6





#57

Fluorene

Concen: 54.10 ng

RT: 10.44 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF085586.D

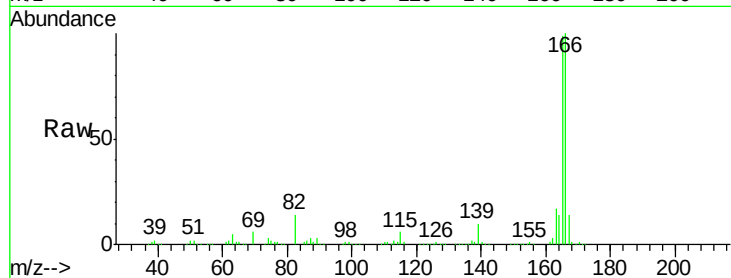
Acq: 19 Mar 2016 21:23

Instrument :

BNA_F

ClientSampleId :

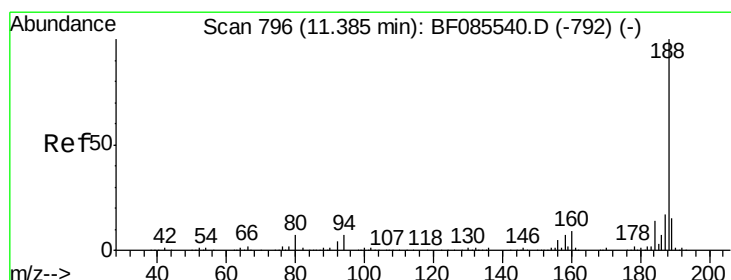
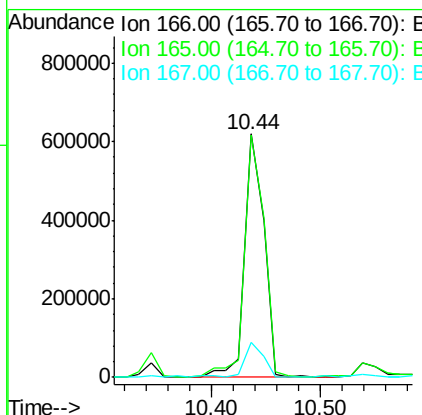
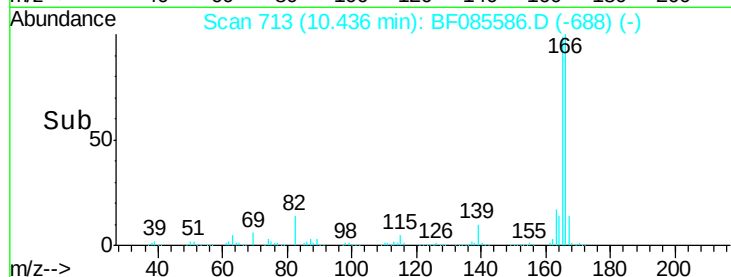
AOU2-SB45(6.5-8)



Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.4	119.0
167	14.4	11.0	16.4

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#63

Phenanthrene-d10

Concen: 20.00 ng

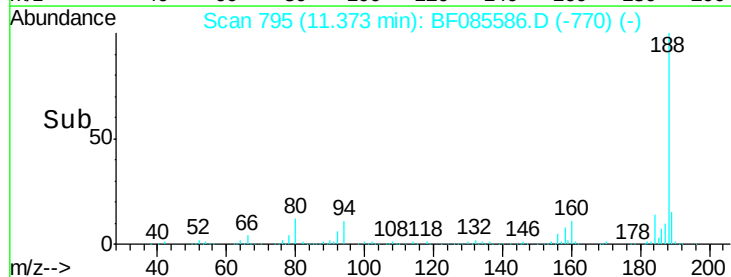
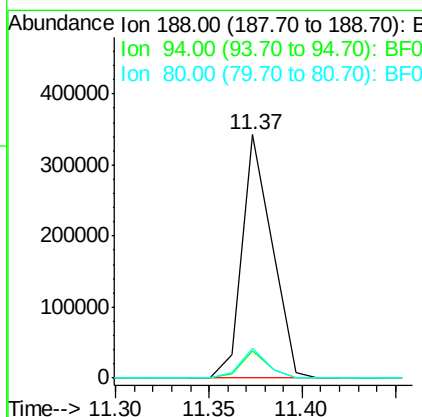
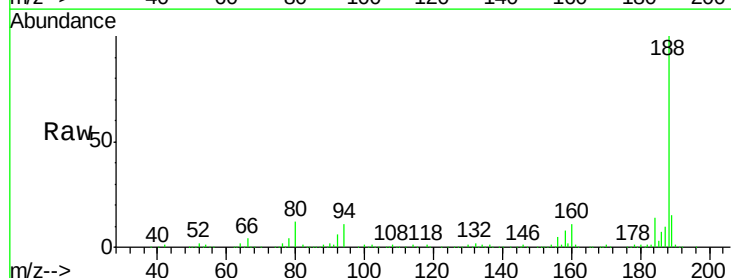
RT: 11.37 min Scan# 795

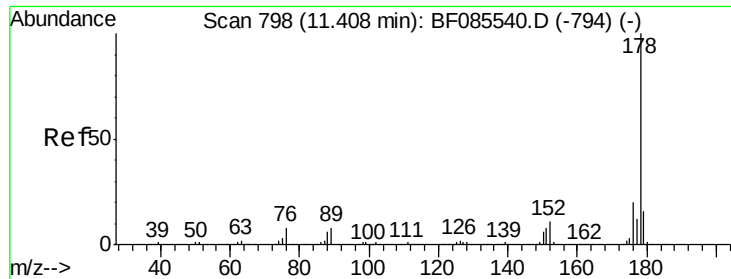
Delta R.T. -0.01 min

Lab File: BF085586.D

Acq: 19 Mar 2016 21:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.4	5.4	8.0#
80	12.1	5.5	8.3#





#70

Phenanthrene

Concen: 101.13 ng

RT: 11.41 min Scan# 798

Delta R.T. 0.00 min

Lab File: BF085586.D

Acq: 19 Mar 2016 21:23

Instrument :

BNA_F

ClientSampleId :

AOU2-SB45(6.5-8)

Tgt Ion:178 Resp: 2042220

Ion Ratio Lower Upper

178 100

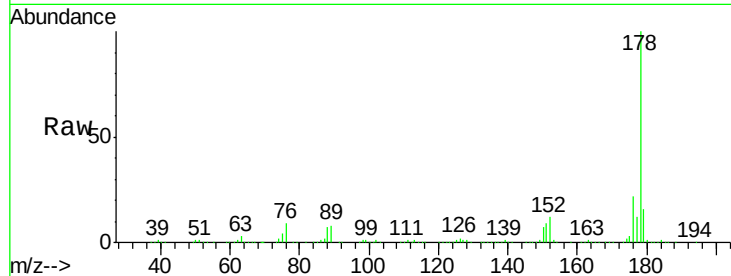
176 21.5 16.3 24.5

179 16.4 12.6 18.8

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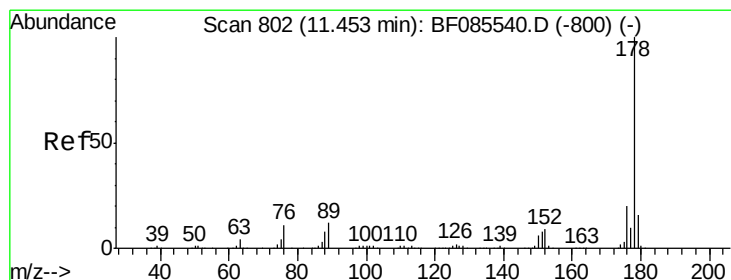
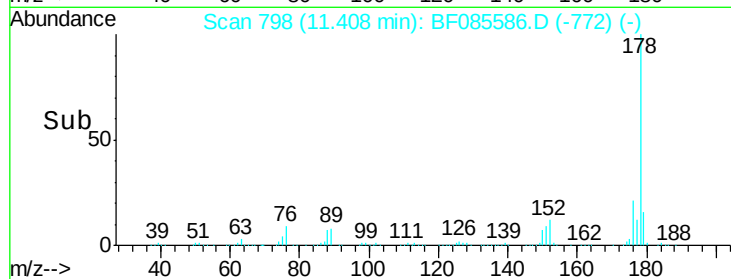
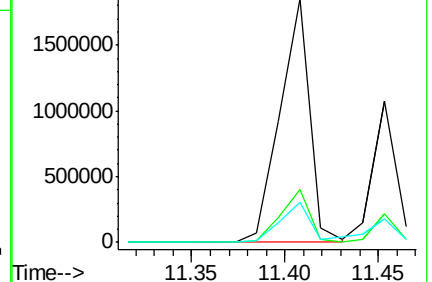
3/21/2016 5:09:18 PM



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



#71

Anthracene

Concen: 44.47 ng

RT: 11.45 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF085586.D

Acq: 19 Mar 2016 21:23

Tgt Ion:178 Resp: 941544

Ion Ratio Lower Upper

178 100

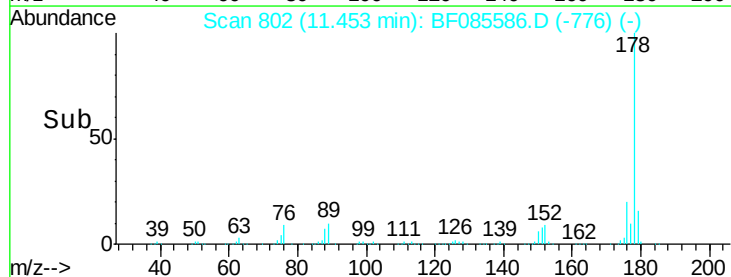
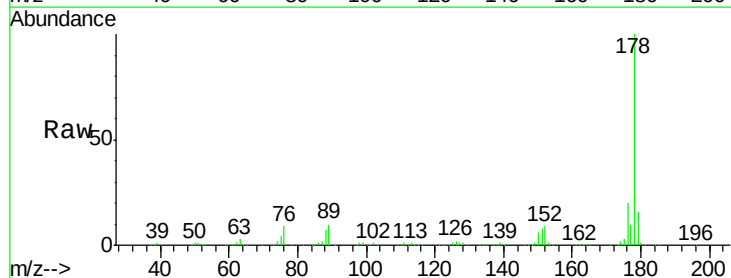
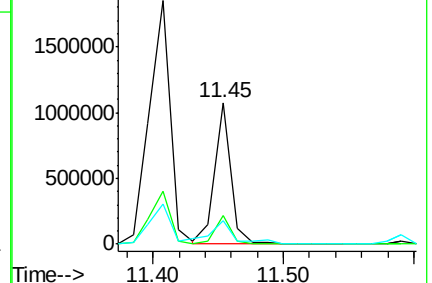
176 19.8 15.9 23.9

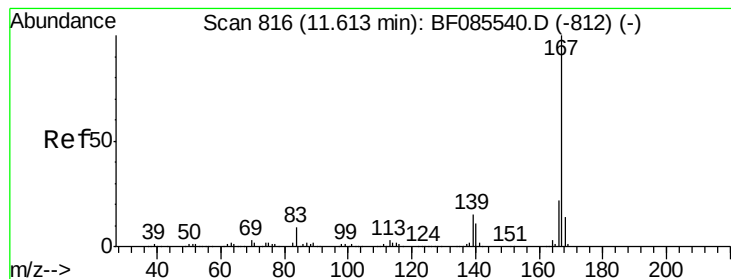
179 16.4 13.0 19.4

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





#72

Carbazole

Concen: 20.00 ng

RT: 11.60 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF085586.D

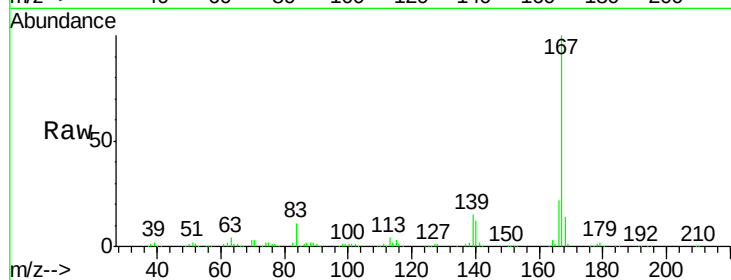
Acq: 19 Mar 2016 21:23

Instrument :

BNA_F

ClientSampleId :

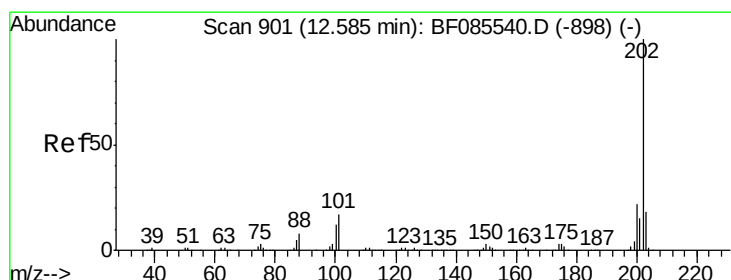
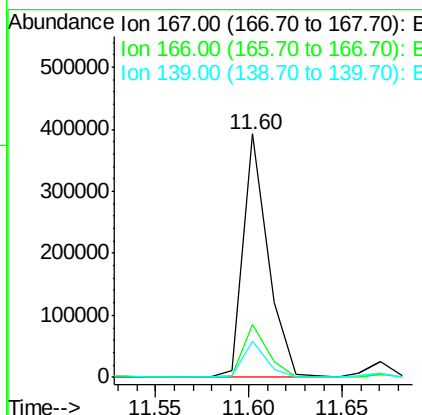
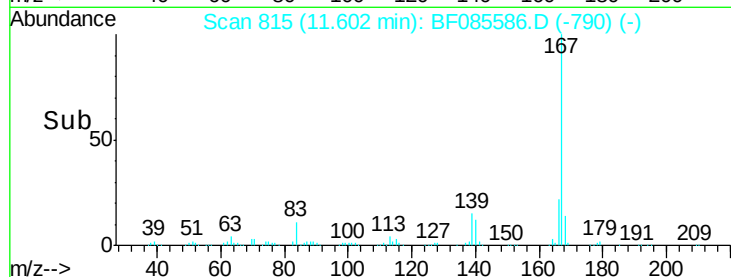
AOU2-SB45(6.5-8)



Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.8	26.8
139	15.0	11.6	17.4

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#74

Fluoranthene

Concen: 61.73 ng

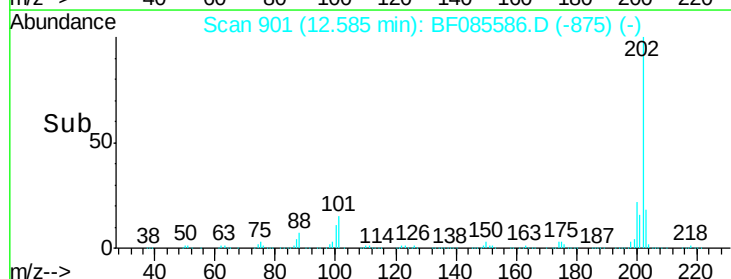
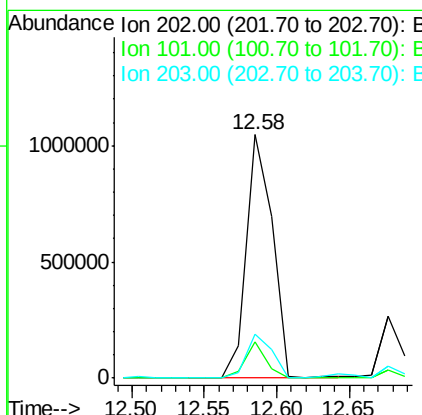
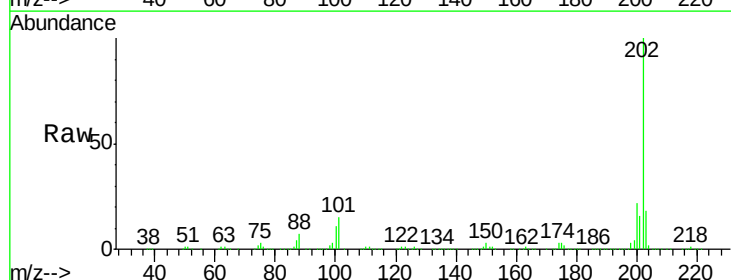
RT: 12.58 min Scan# 901

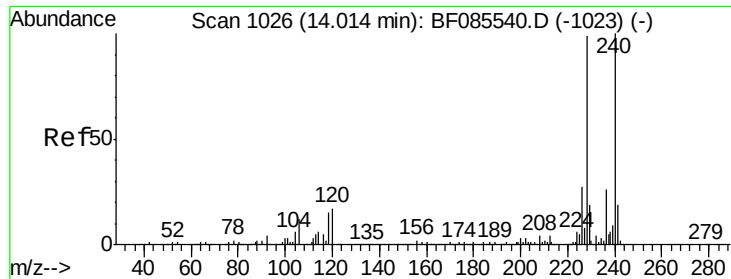
Delta R.T. 0.00 min

Lab File: BF085586.D

Acq: 19 Mar 2016 21:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.0	0.0	36.6
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BF085586.D

Acq: 19 Mar 2016 21:23

Instrument :

BNA_F

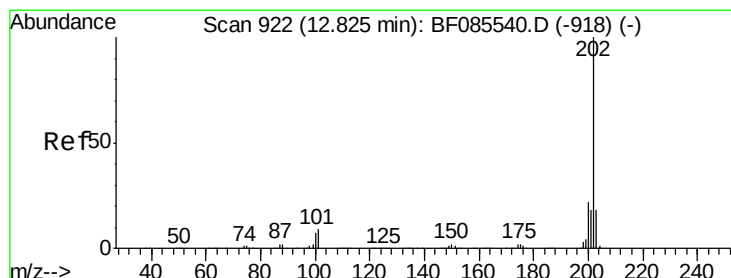
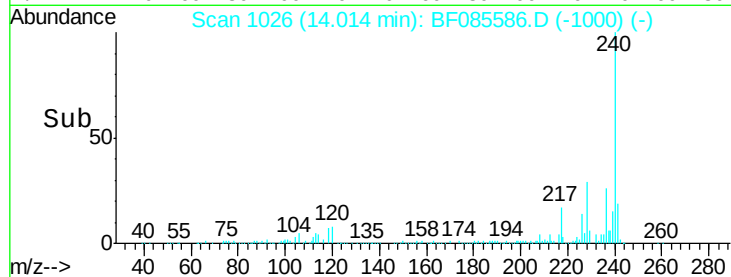
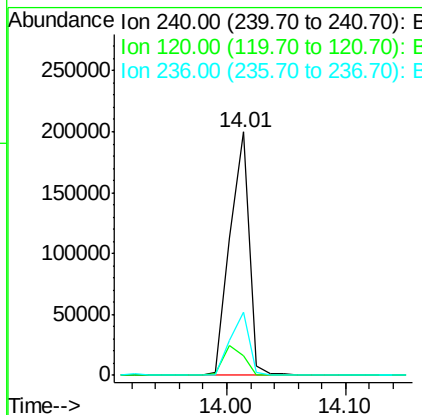
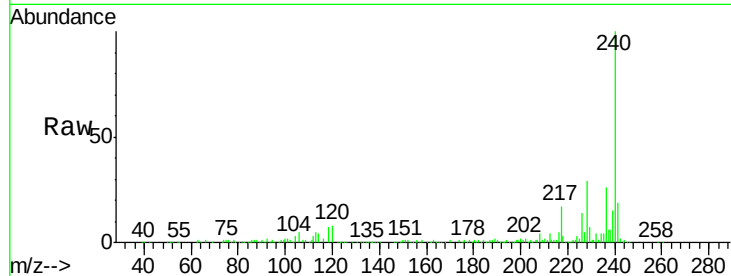
ClientSampleId :

AOU2-SB45(6.5-8)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	224955		
120	8.1	13.8	20.8#	
236	26.0	20.6	30.8	

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#77

Pyrene

Concen: 58.63 ng

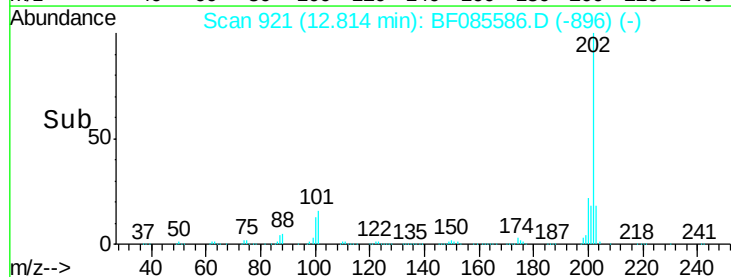
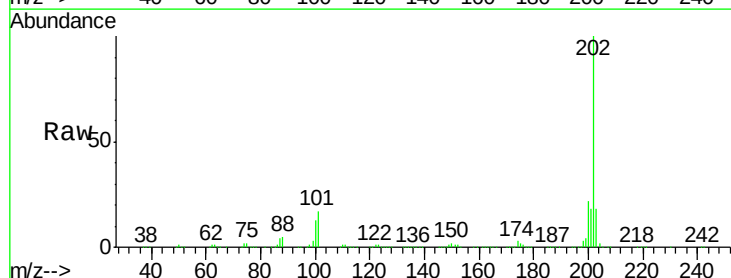
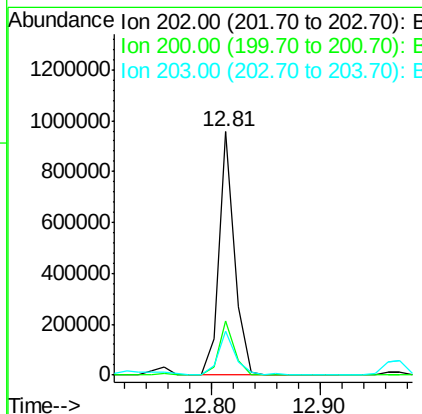
RT: 12.81 min Scan# 921

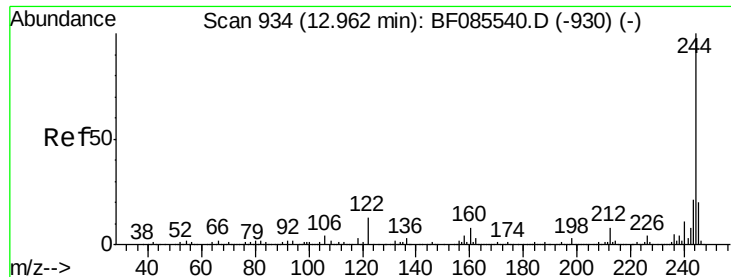
Delta R.T. -0.01 min

Lab File: BF085586.D

Acq: 19 Mar 2016 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	947006		
200	22.4	17.6	26.4	
203	18.2	14.0	21.0	





#78

Terphenyl-d14

Concen: 1.28 ng

RT: 12.95 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF085586.D

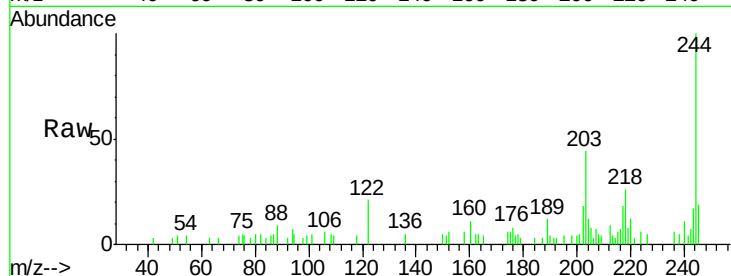
Acq: 19 Mar 2016 21:23

Instrument :

BNA_F

ClientSampleId :

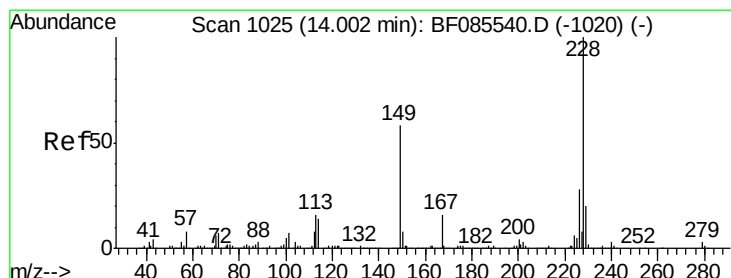
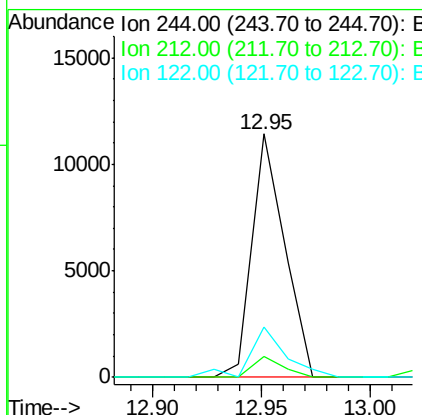
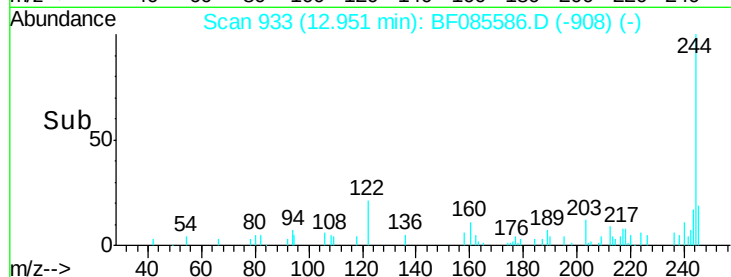
AOU2-SB45(6.5-8)



Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.1	9.1
122	20.5	10.2	15.4#

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#80

Benzo(a)anthracene

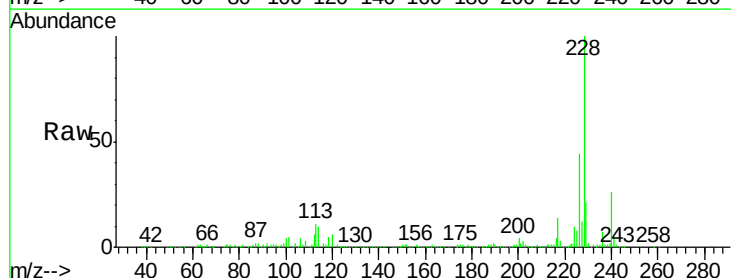
Concen: 35.97 ng m

RT: 14.00 min Scan# 1025

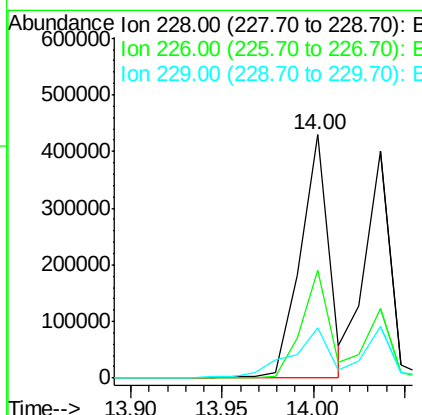
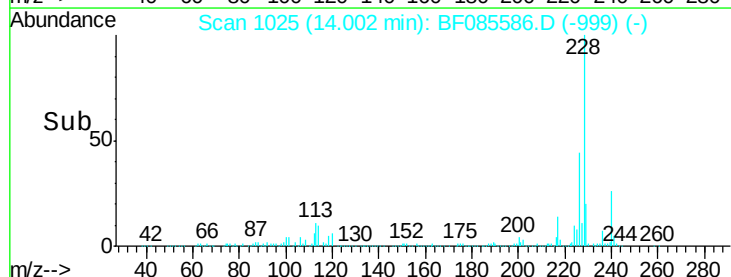
Delta R.T. 0.00 min

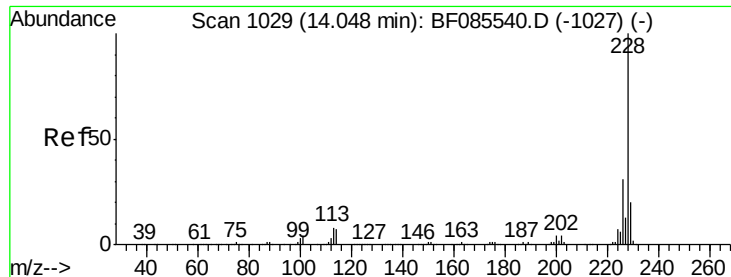
Lab File: BF085586.D

Acq: 19 Mar 2016 21:23



Tgt Ion	Ratio	Lower	Upper
228	100		
226	44.3	22.1	33.1#
229	20.9	16.2	24.4





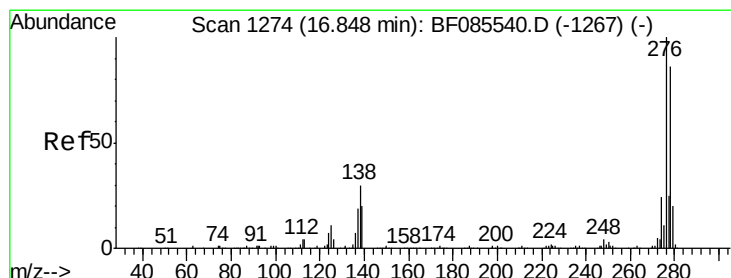
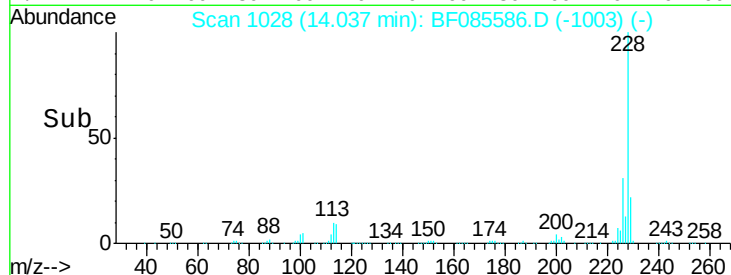
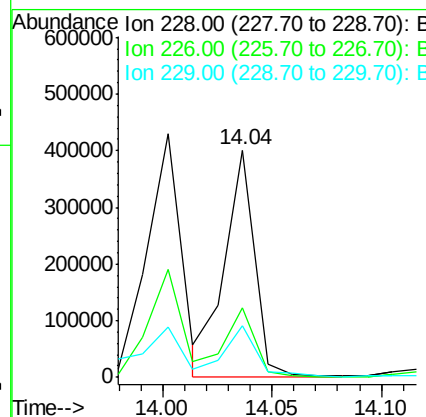
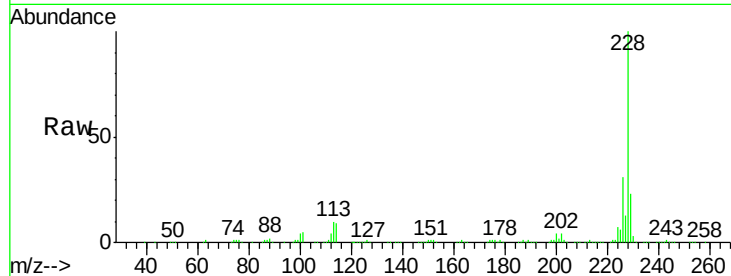
#82
Chrysene
Concen: 30.75 ng m
RT: 14.04 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF085586.D
Acq: 19 Mar 2016 21:23

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

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	22.8	15.7	23.5

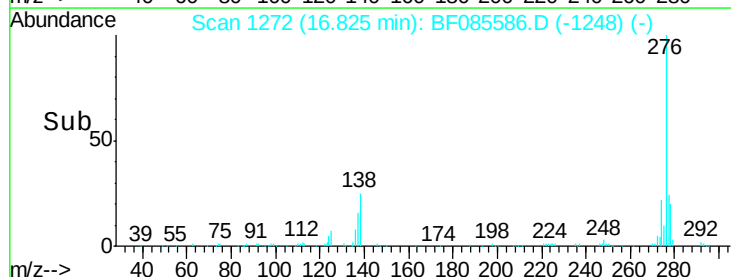
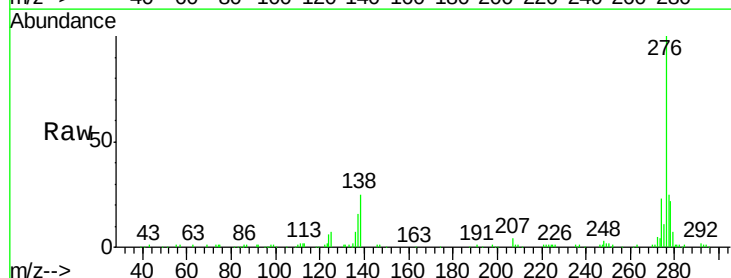
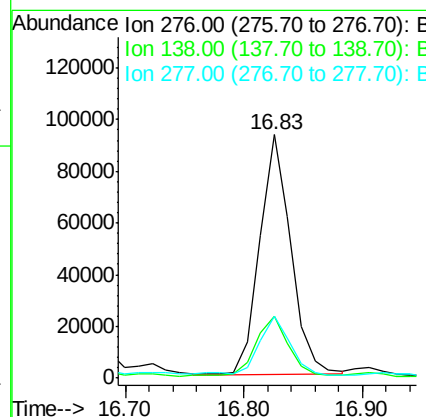
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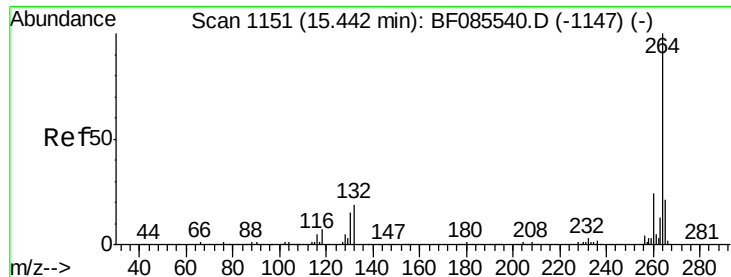
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3/21/2016 5:09:18 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 16.25 ng
RT: 16.83 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF085586.D
Acq: 19 Mar 2016 21:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.5	24.2	36.4
277	24.7	20.0	30.0





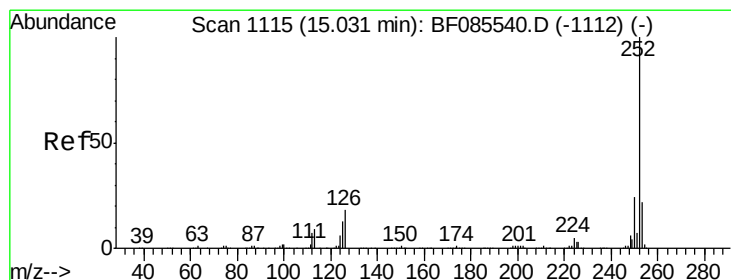
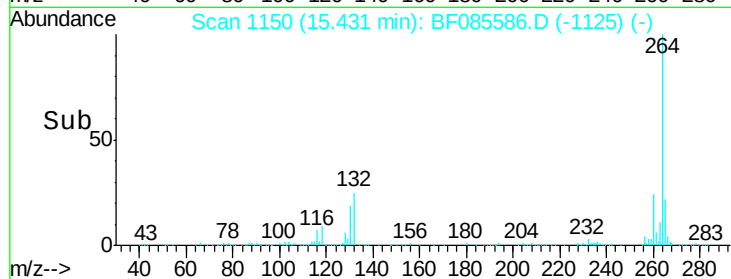
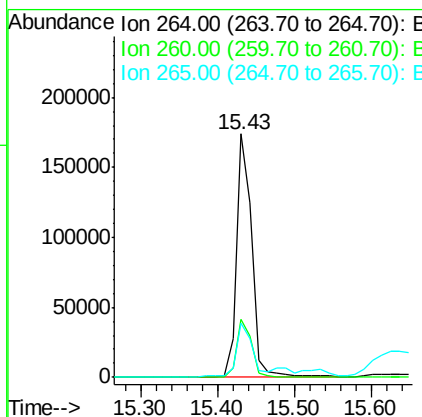
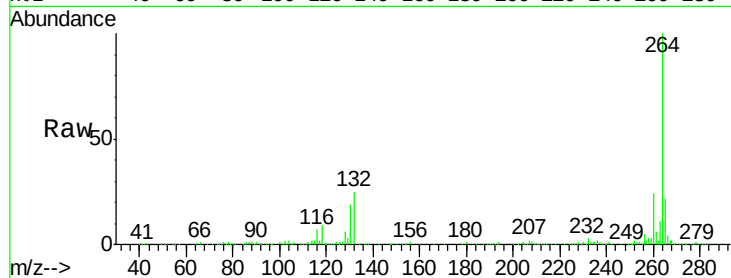
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF085586.D
Acq: 19 Mar 2016 21:23

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.0	19.4	29.2
265	22.2	17.2	25.8

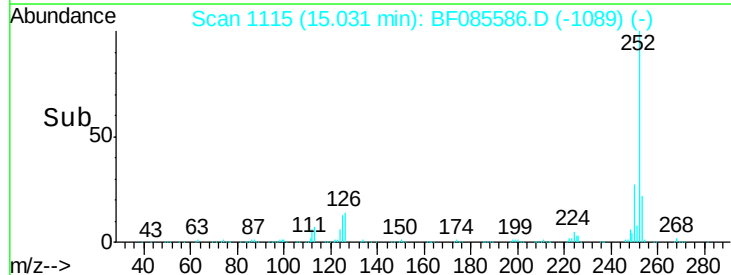
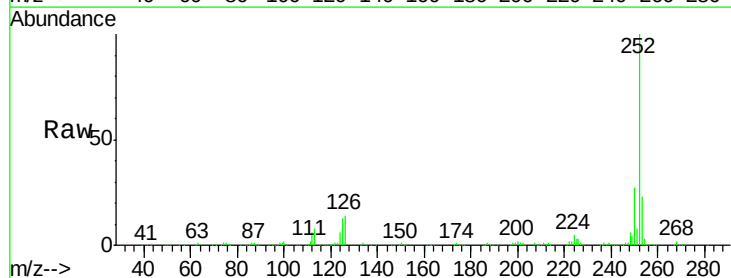
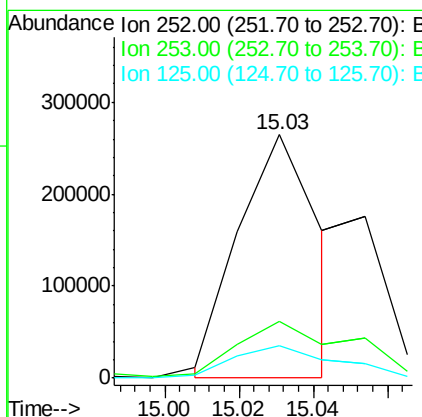
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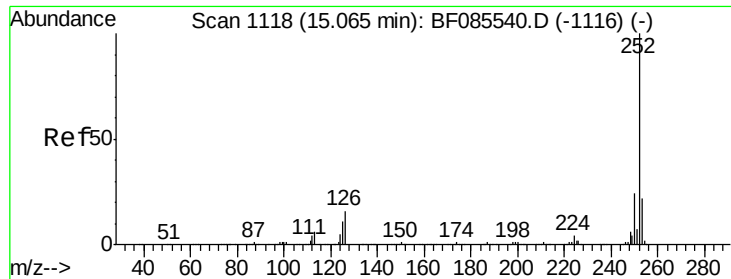
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3/21/2016 5:09:18 PM



#87
Benzo(b)fluoranthene
Concen: 25.17 ng m
RT: 15.03 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BF085586.D
Acq: 19 Mar 2016 21:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.2	17.6	26.4
125	13.1	10.3	15.5





#88

Benzo(k)fluoranthene

Concen: 11.06 ng m

RT: 15.05 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BF085586.D

Acq: 19 Mar 2016 21:23

Instrument :

BNA_F

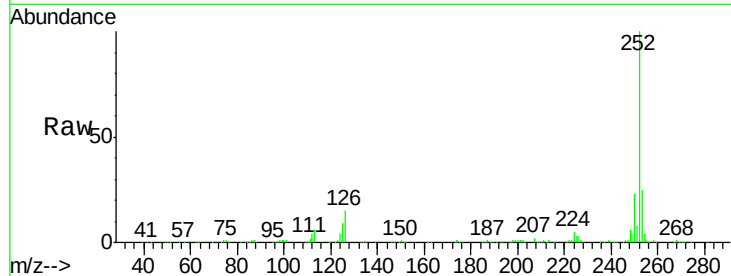
ClientSampleId :

AOU2-SB45(6.5-8)

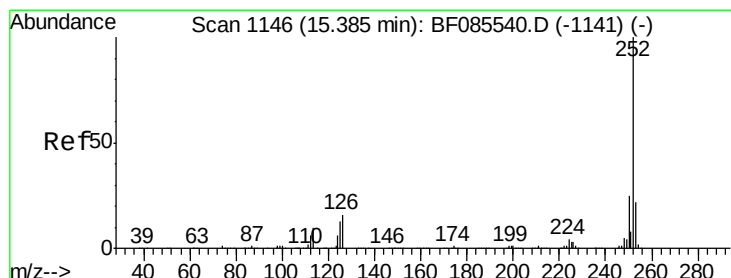
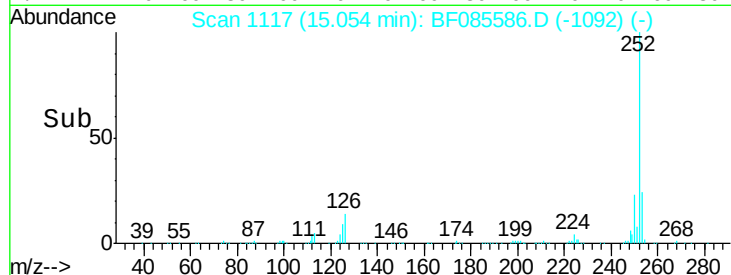
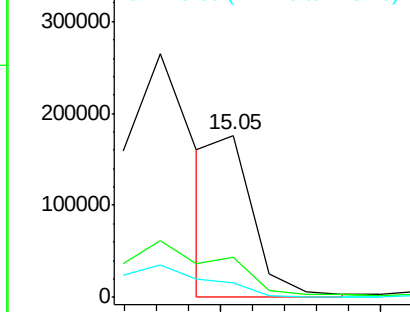
Tgt Ion:	252	Resp:	145223
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.8	26.6
125	9.0	7.7	11.5

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3/21/2016 5:09:18 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



#89

Benzo(a)pyrene

Concen: 24.23 ng

RT: 15.37 min Scan# 1145

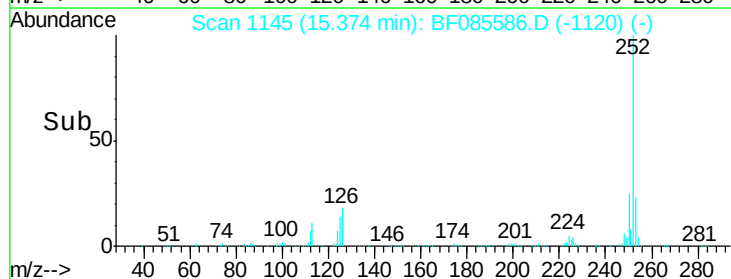
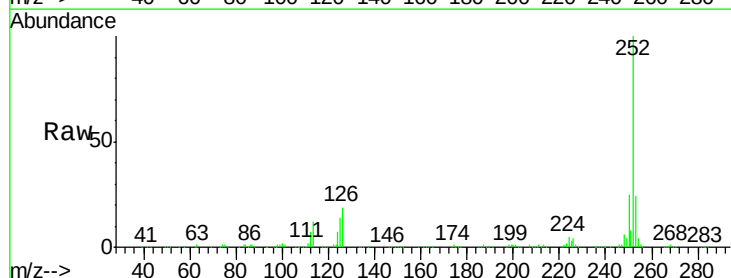
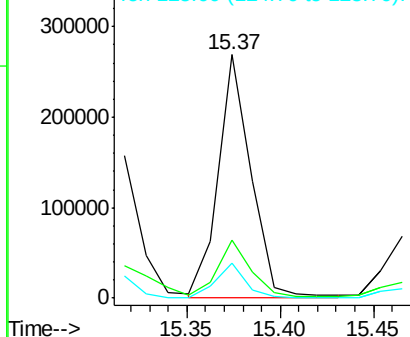
Delta R.T. -0.01 min

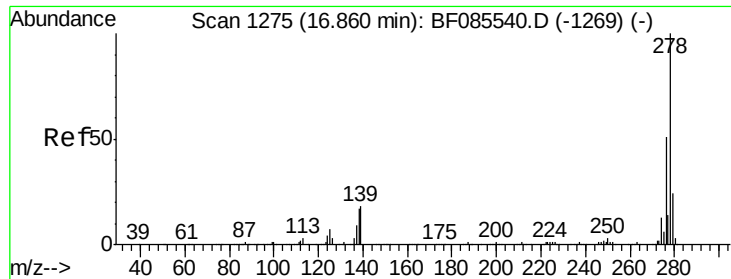
Lab File: BF085586.D

Acq: 19 Mar 2016 21:23

Tgt Ion:	252	Resp:	327274
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.4	26.0
125	14.2	10.3	15.5

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





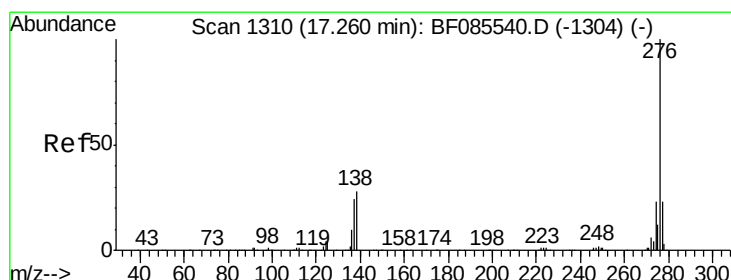
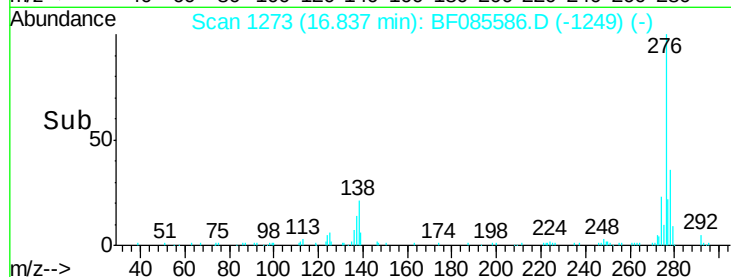
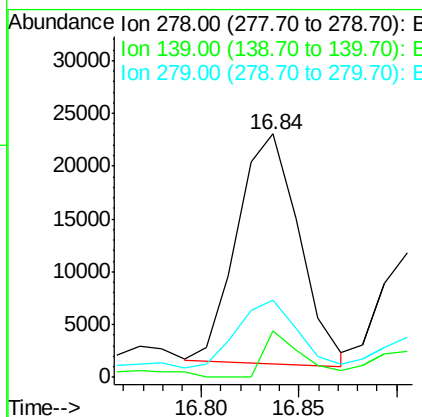
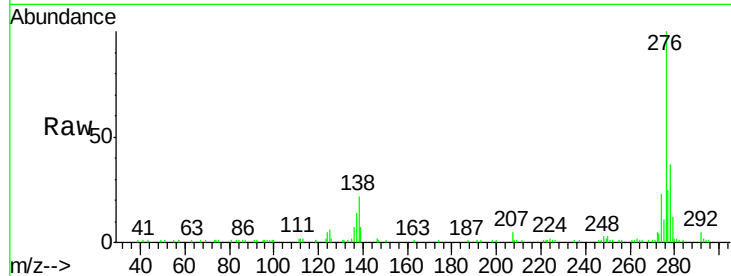
#90
Dibenzo(a,h)anthracene
Concen: 4.26 ng m
RT: 16.84 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BF085586.D
Acq: 19 Mar 2016 21:23

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

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.3	14.4	21.6
279	31.6	19.1	28.7

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3/21/2016 5:09:18 PM



#91
Benzo(g,h,i)perylene
Concen: 13.75 ng
RT: 17.25 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF085586.D
Acq: 19 Mar 2016 21:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	26.0	22.6	34.0

