

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
 Data File : BF085661.D
 Acq On : 22 Mar 2016 11:44
 Operator : UM/SJ
 Sample : H1799-10 10X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB37A(COMP7-21)

Manual Integrations
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Sohil
 3/22/2016 5:34:54 PM

Quant Time: Mar 22 13:19:56 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	114385	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	480601	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	192647	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	330492	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	226755	20.00	ng	-0.02
86) Perylene-d12	15.42	264	221367	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	80537	11.83	ng	-0.02
7) Phenol-d6	6.47	99	103502	11.85	ng	-0.02
23) Nitrobenzene-d5	7.40	82	59546	7.19	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	17483	9.26	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	130637	8.26	ng	-0.02
78) Terphenyl-d14	12.94	244	81949	8.70	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.15	128	49124	2.03	ng	96
57) Fluorene	10.42	166	63024	5.04	ng	99
70) Phenanthrene	11.38	178	137152	7.87	ng	99
74) Fluoranthene	12.57	202	90061	4.94	ng	92
77) Pyrene	12.80	202	85289	5.24	ng	97
80) Benzo(a)anthracene	13.98	228	48315	3.67	ng	97
82) Chrysene	14.01	228	35704m	2.82	ng	
85) Indeno(1,2,3-cd)pyrene	16.80	276	22071	2.09	ng	92
87) Benzo(b)fluoranthene	15.01	252	59166m	4.10	ng	
89) Benzo(a)pyrene	15.36	252	38501	3.14	ng	# 95

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

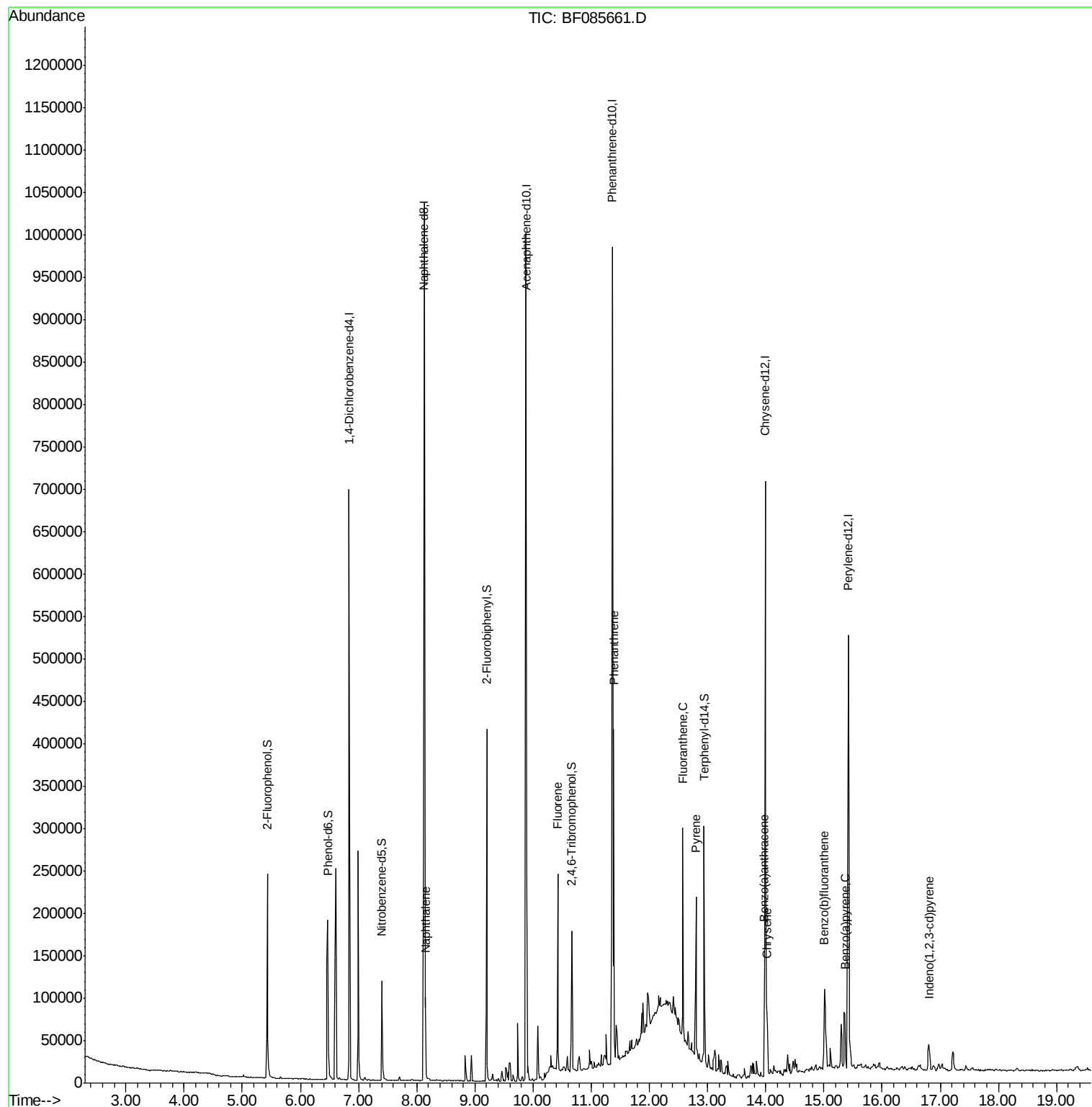
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085661.D
Acq On : 22 Mar 2016 11:44
Operator : UM/SJ
Sample : H1799-10 10X
Misc :
ALS Vial : 44 Sample Multiplier: 1

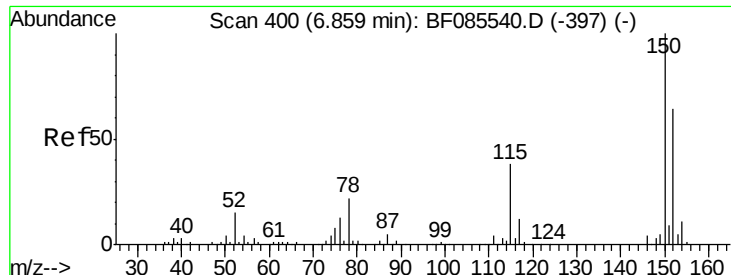
Instrument :
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ClientSampleId :
AOU2-SB37A(COMP7-21)

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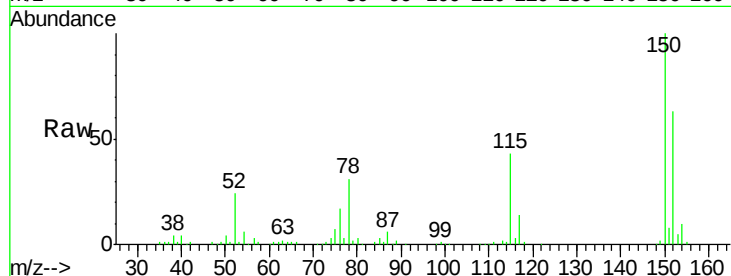




#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.84 min Scan# 398
 Delta R.T. -0.02 min
 Lab File: BF085661.D
 Acq: 22 Mar 2016 11:44

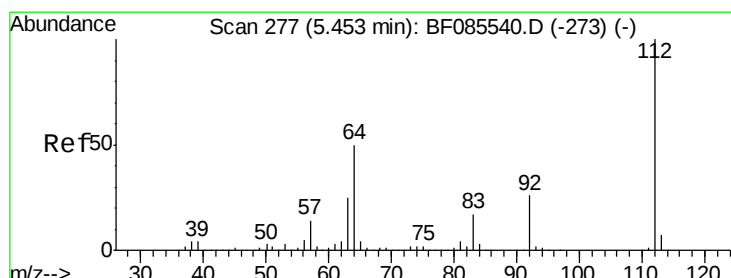
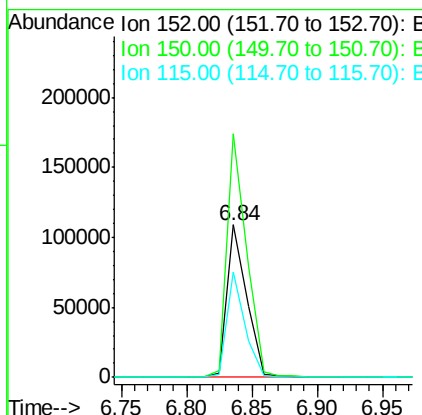
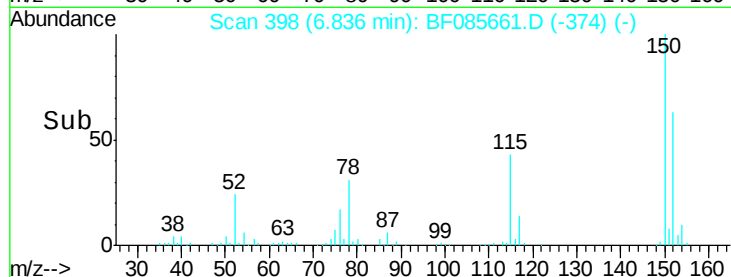
Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB37A(COMP7-21)



Tgt Ion:	152	Resp:	114385
Ion Ratio	Lower	Upper	
152	100		
150	159.8	124.2	186.2
115	69.3	47.0	70.6

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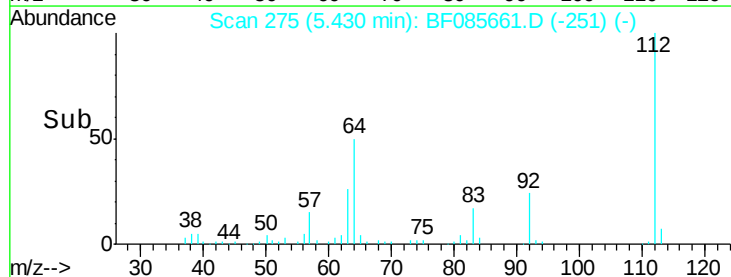
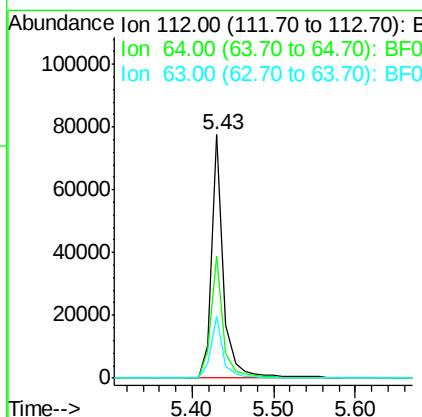
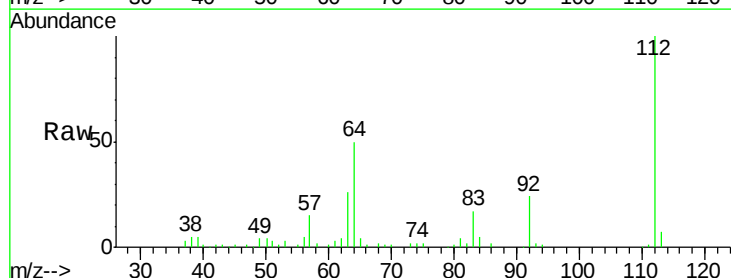
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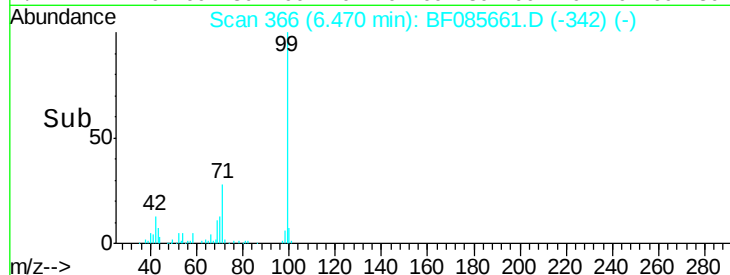
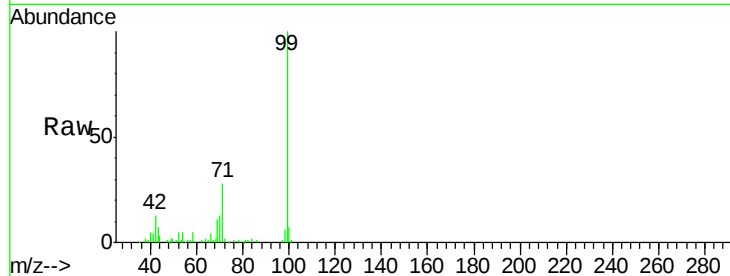


#5

2-Fluorophenol
 Concen: 11.83 ng
 RT: 5.43 min Scan# 275
 Delta R.T. -0.02 min
 Lab File: BF085661.D
 Acq: 22 Mar 2016 11:44

Tgt Ion:	112	Resp:	80537
Ion Ratio	Lower	Upper	
112	100		
64	49.9	39.9	59.9
63	25.6	20.2	30.2





#7

Phenol-d6

Concen: 11.85 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085661.D

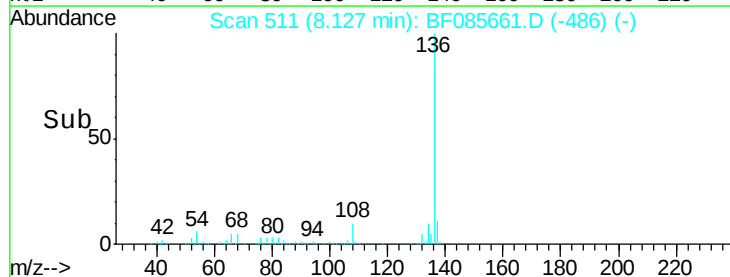
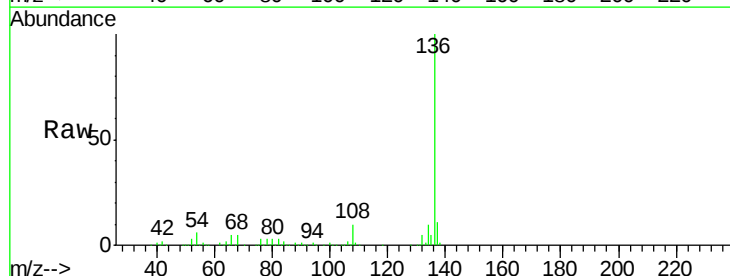
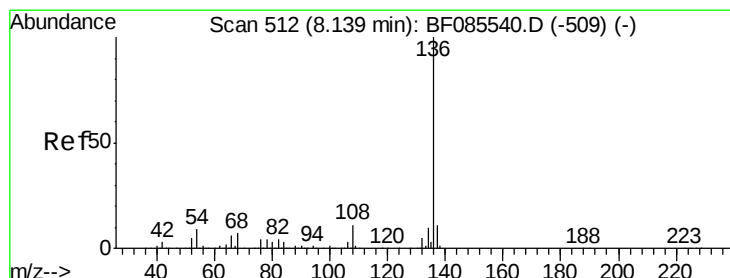
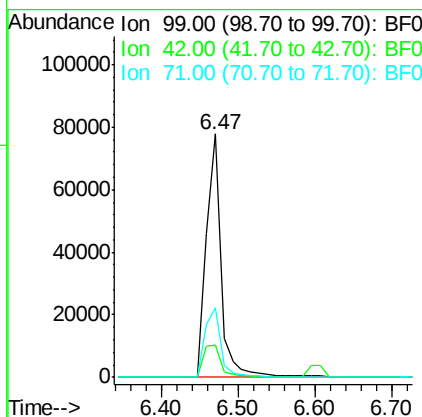
Acq: 22 Mar 2016 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	103502		
42	13.2	11.1	16.7	
71	28.4	24.9	37.3	

Instrument :
BNA_F
ClientSampleId :
AOU2-SB37A(COMP7-21)

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#21

Naphthalene-d8

Concen: 20.00 ng

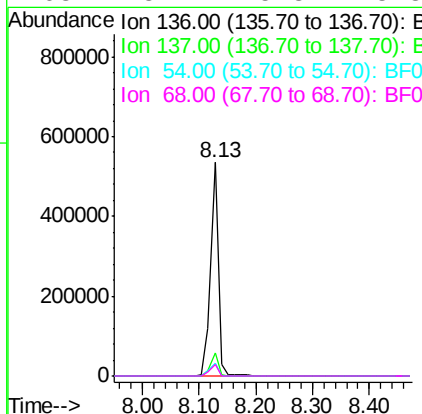
RT: 8.13 min Scan# 511

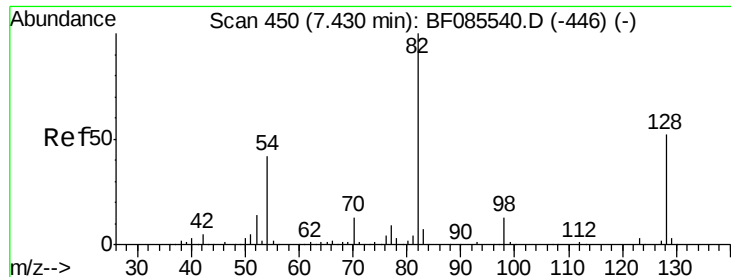
Delta R.T. -0.01 min

Lab File: BF085661.D

Acq: 22 Mar 2016 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	480601		
137	10.9	9.1	13.7	
54	6.1	7.4	11.0#	
68	5.1	5.8	8.8#	





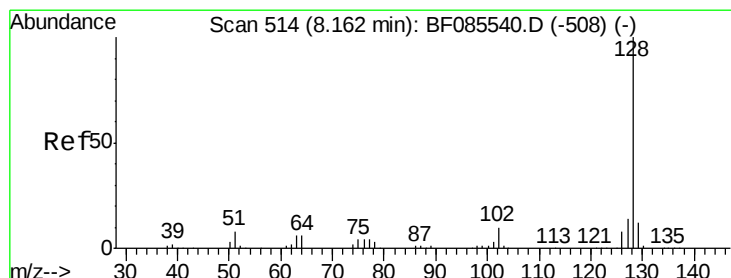
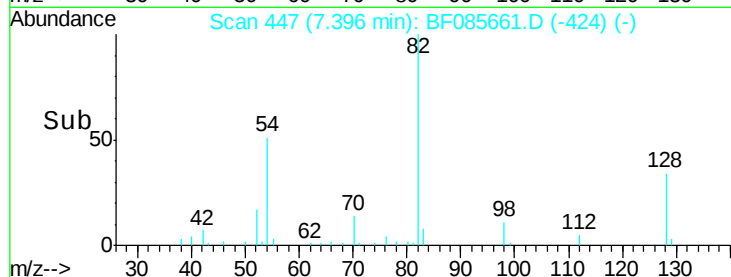
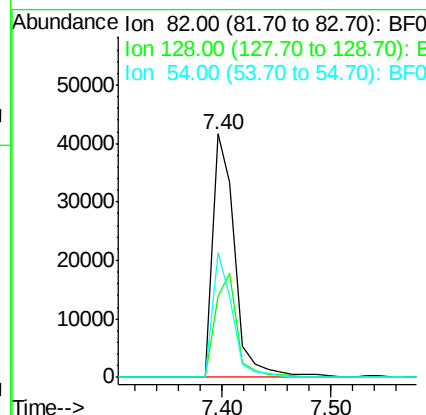
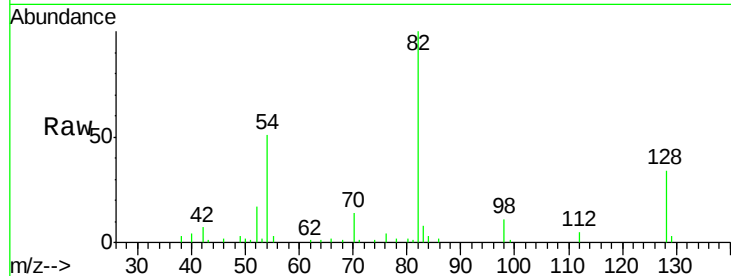
#23
 Nitrobenzene-d5
 Concen: 7.19 ng
 RT: 7.40 min Scan# 447
 Delta R.T. -0.03 min
 Lab File: BF085661.D
 Acq: 22 Mar 2016 11:44

Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB37A(COMP7-21)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.5	41.8	62.8#
54	51.3	33.4	50.0#

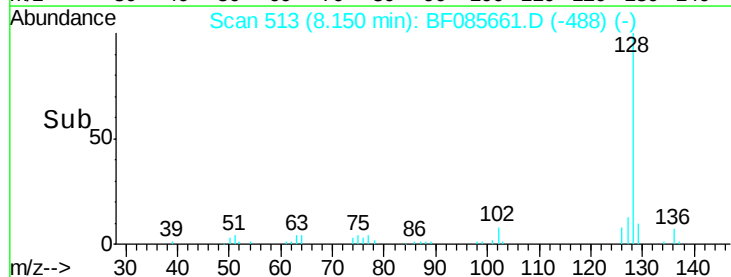
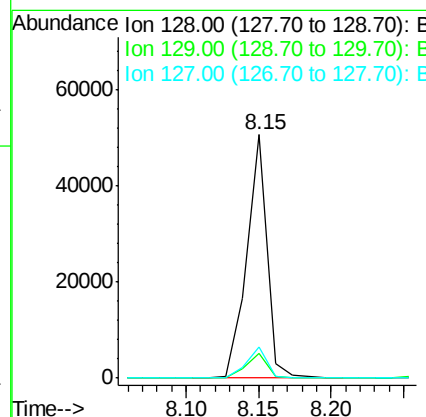
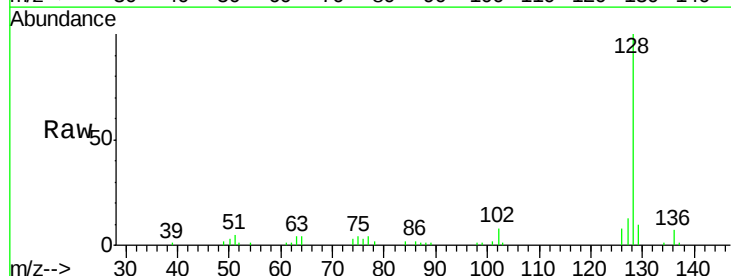
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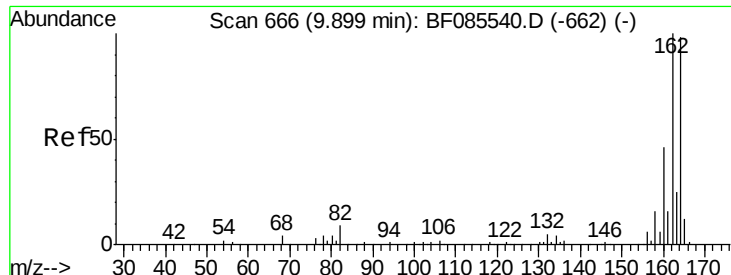
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#31
 Naphthalene
 Concen: 2.03 ng
 RT: 8.15 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: BF085661.D
 Acq: 22 Mar 2016 11:44

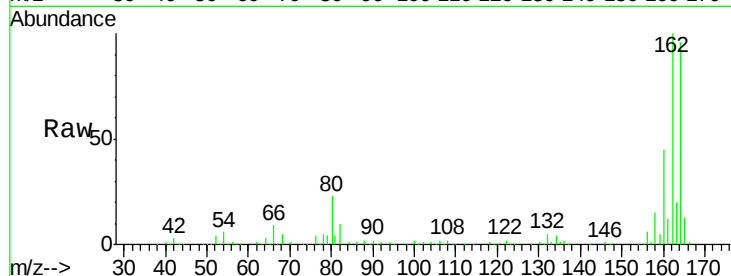
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.1	9.4	14.0
127	12.6	11.0	16.6





#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 664
 Delta R.T. -0.02 min
 Lab File: BF085661.D
 Acq: 22 Mar 2016 11:44

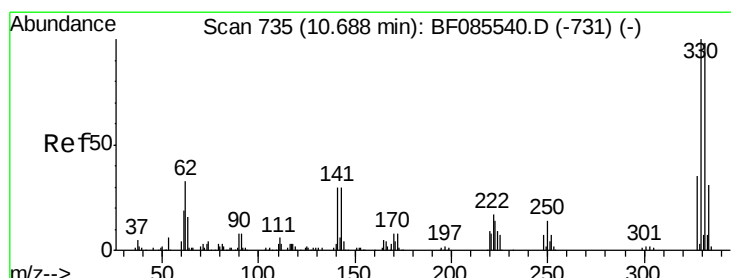
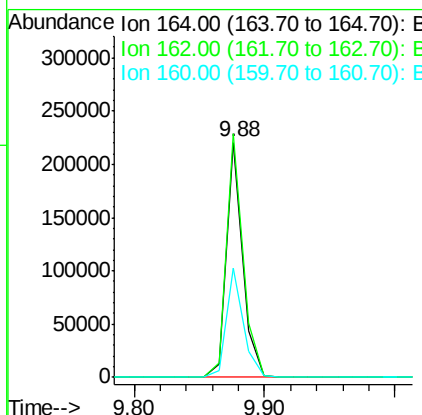
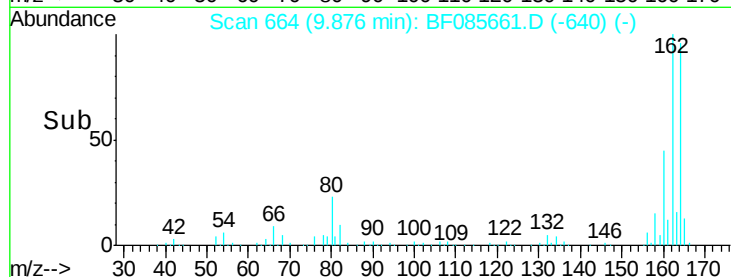
Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB37A(COMP7-21)



Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.7	82.1	123.1	
160	46.6	37.4	56.2	

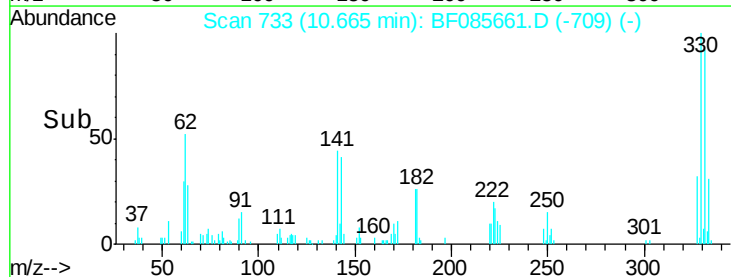
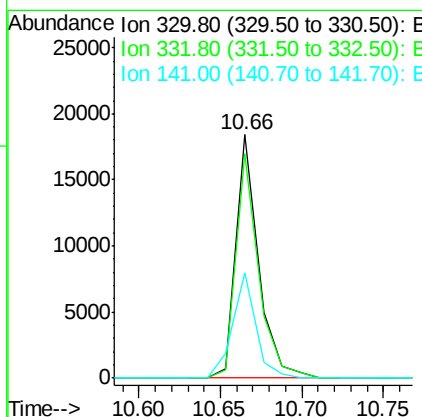
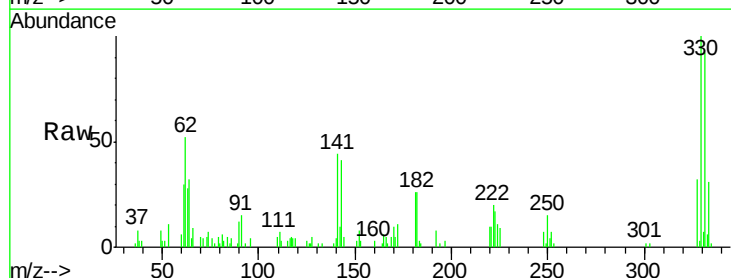
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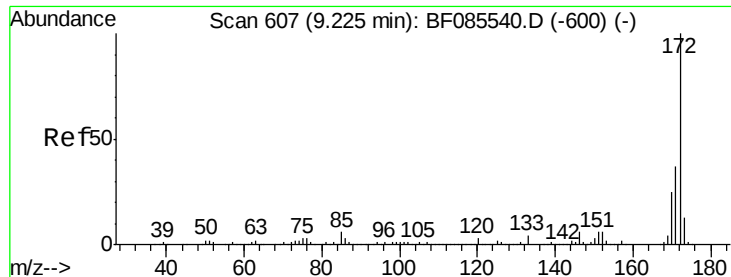
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#41
 2,4,6-Tribromophenol
 Concen: 9.26 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.02 min
 Lab File: BF085661.D
 Acq: 22 Mar 2016 11:44

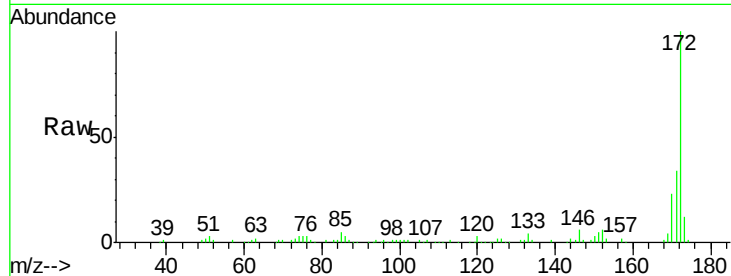
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	92.3	78.2	117.2	
141	44.9	31.5	47.3	





#44
 2-Fluorobiphenyl
 Concen: 8.26 ng
 RT: 9.20 min Scan# 605
 Delta R.T. -0.02 min
 Lab File: BF085661.D
 Acq: 22 Mar 2016 11:44

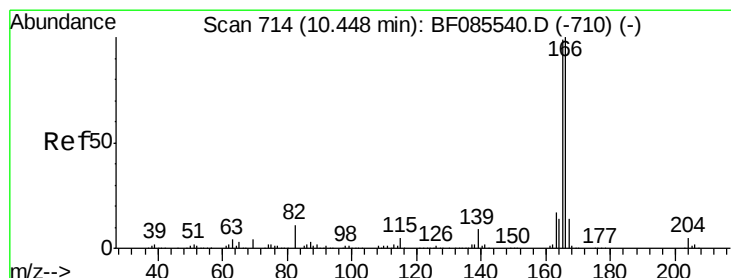
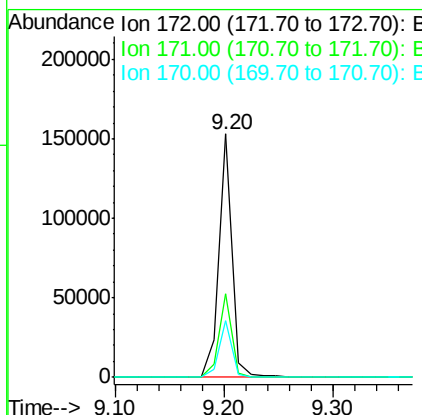
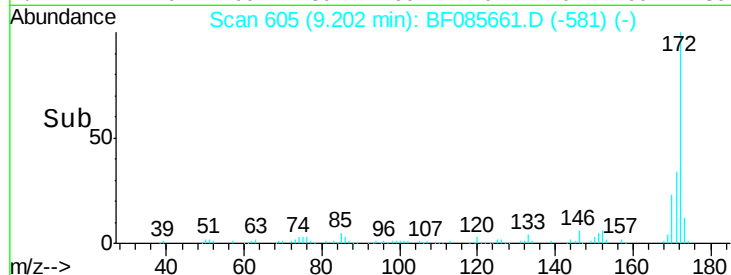
Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB37A(COMP7-21)



Tgt Ion:	172	Resp:	130637
Ion Ratio	Lower	Upper	
172	100		
171	34.1	29.4	44.2
170	23.2	19.8	29.6

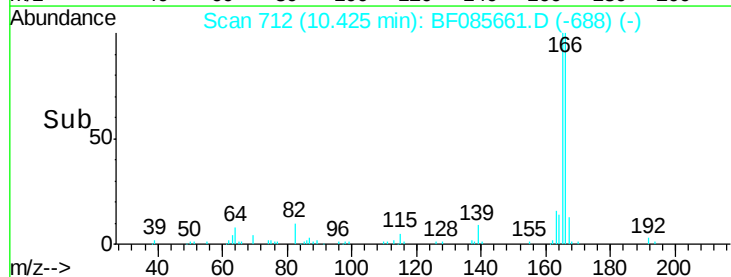
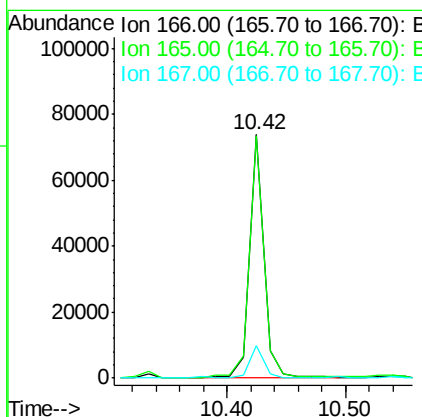
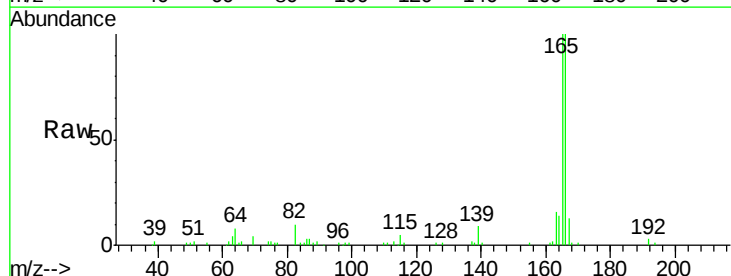
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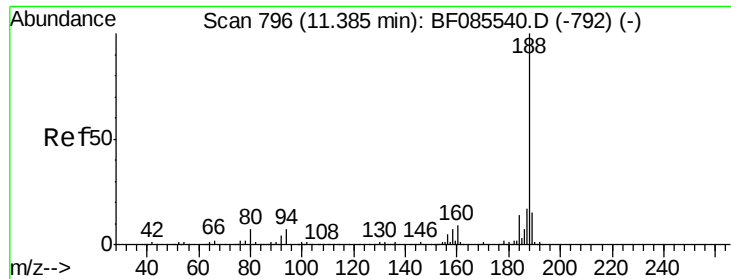
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#57
 Fluorene
 Concen: 5.04 ng
 RT: 10.42 min Scan# 712
 Delta R.T. -0.02 min
 Lab File: BF085661.D
 Acq: 22 Mar 2016 11:44

Tgt Ion:	166	Resp:	63024
Ion Ratio	Lower	Upper	
166	100		
165	99.8	79.4	119.0
167	13.1	11.0	16.4





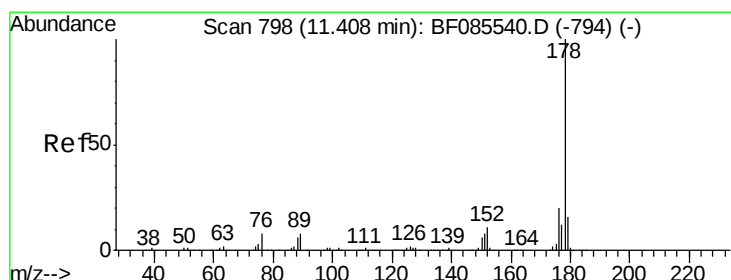
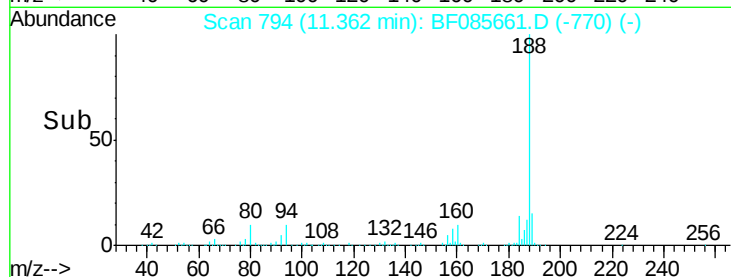
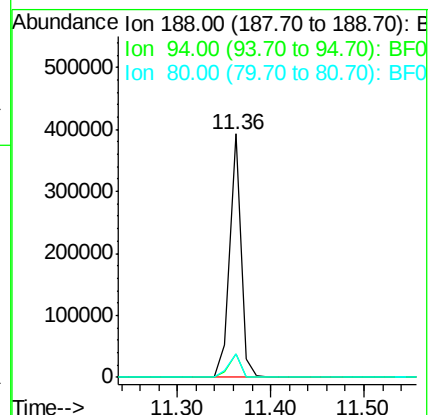
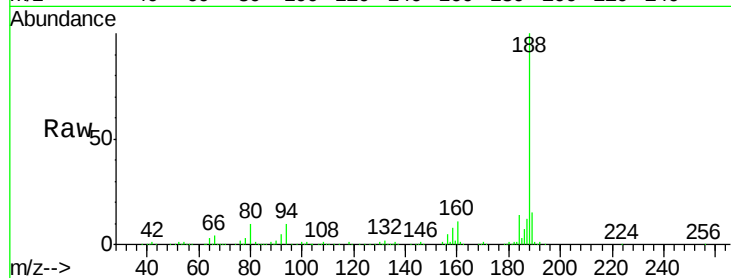
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF085661.D
Acq: 22 Mar 2016 11:44

Instrument :
BNA_F
ClientSampleId :
AOU2-SB37A(COMP7-21)

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	9.7	5.4	8.0#
80	9.9	5.5	8.3#

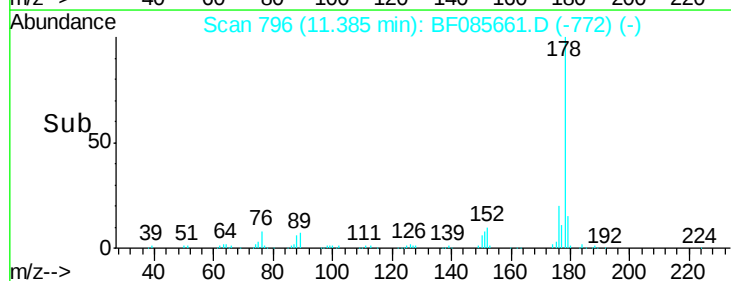
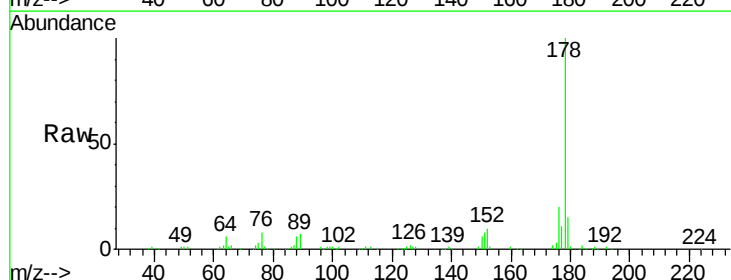
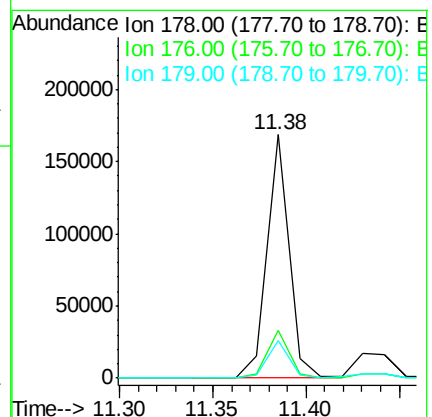
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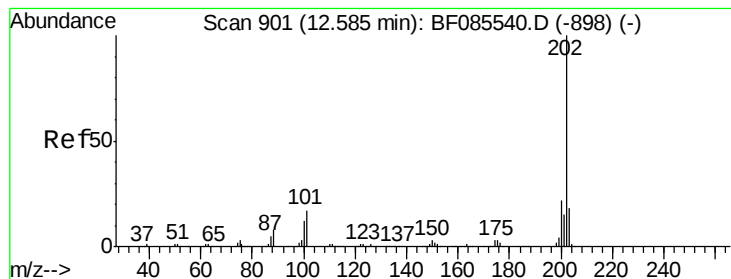
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#70
Phenanthrene
Concen: 7.87 ng
RT: 11.38 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF085661.D
Acq: 22 Mar 2016 11:44

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	16.3	24.5
179	15.3	12.6	18.8





#74

Fluoranthene

Concen: 4.94 ng

RT: 12.57 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF085661.D

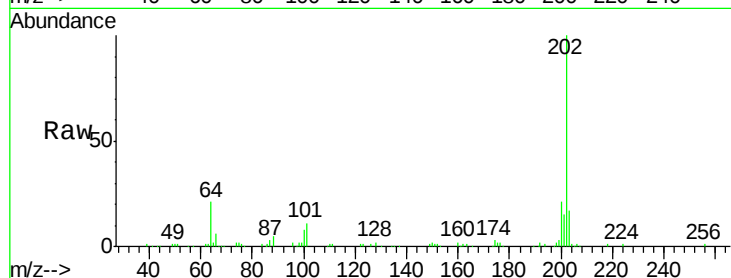
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Instrument :

BNA_F

ClientSampleId :

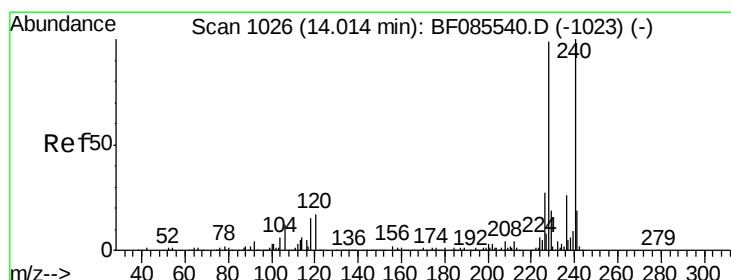
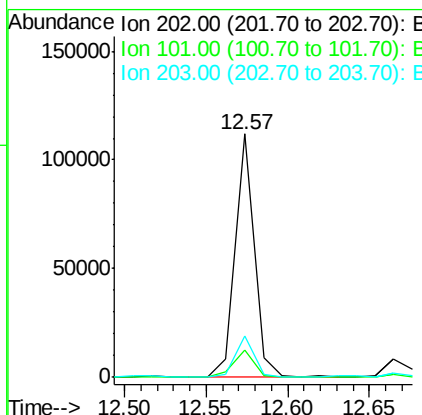
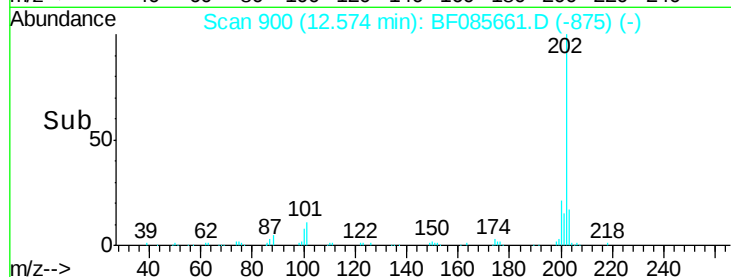
AOU2-SB37A(COMP7-21)



Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	11.0	0.0	36.6
203	16.8	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

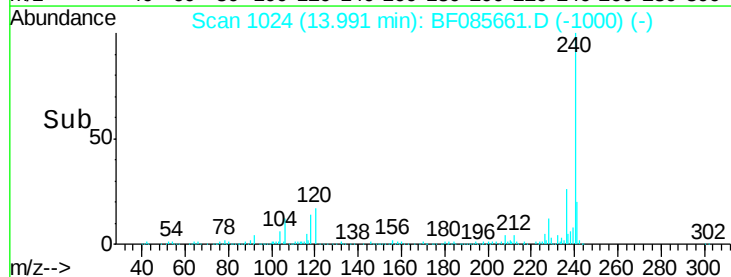
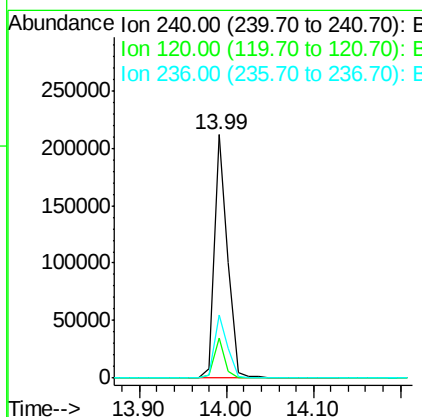
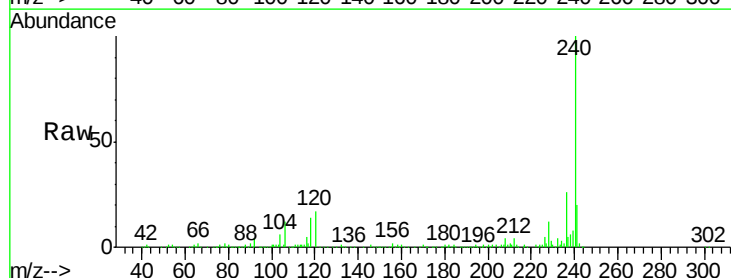
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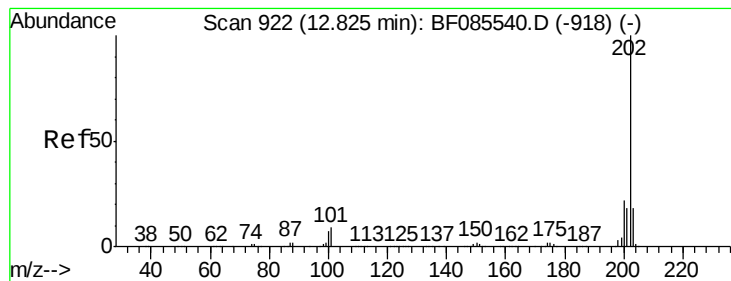
Delta R.T. -0.02 min

Lab File: BF085661.D

Acq: 22 Mar 2016 11:44

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.7	13.8	20.8
236	26.1	20.6	30.8





#77

Pyrene

Concen: 5.24 ng

RT: 12.80 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF085661.D

Acq: 22 Mar 2016 11:44

Instrument :

BNA_F

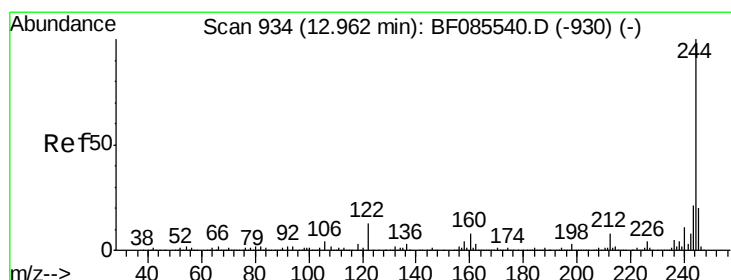
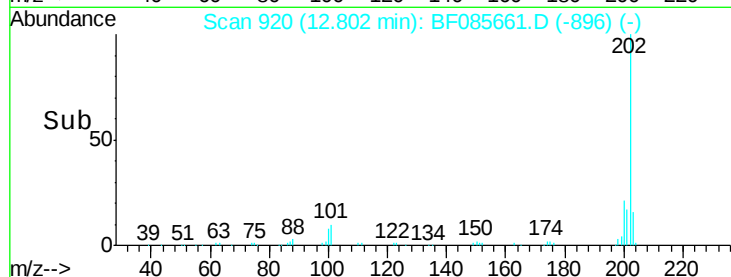
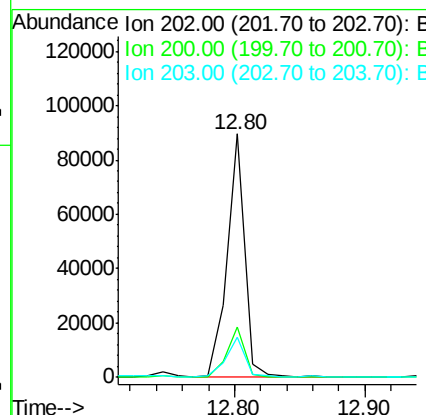
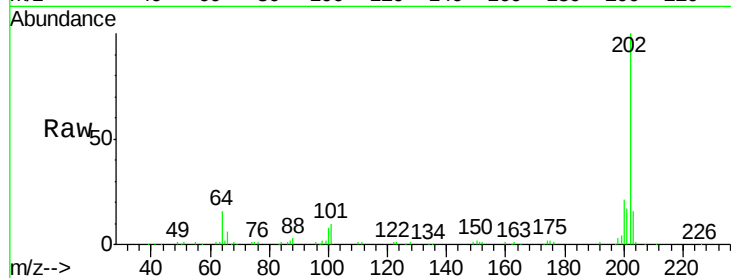
ClientSampleId :

AOU2-SB37A(COMP7-21)

Tgt Ion:	202	Resp:	85289
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.6	26.4
203	16.5	14.0	21.0

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#78

Terphenyl-d14

Concen: 8.70 ng

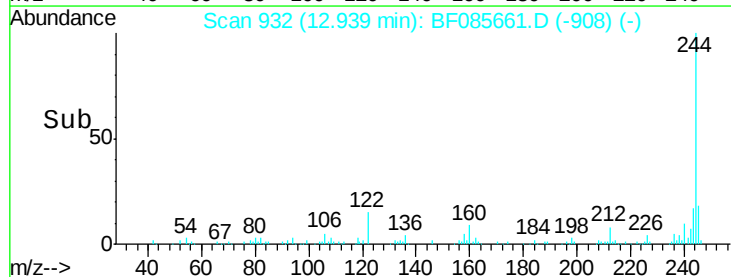
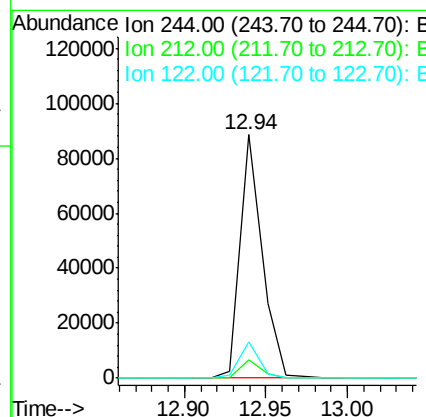
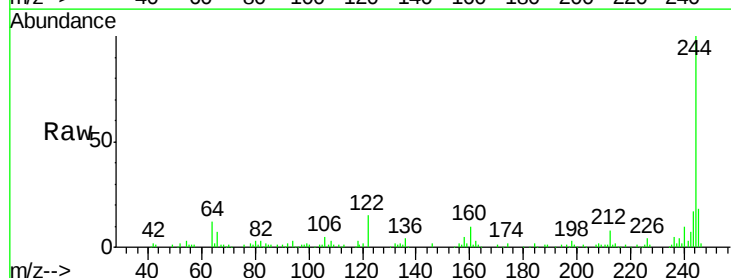
RT: 12.94 min Scan# 932

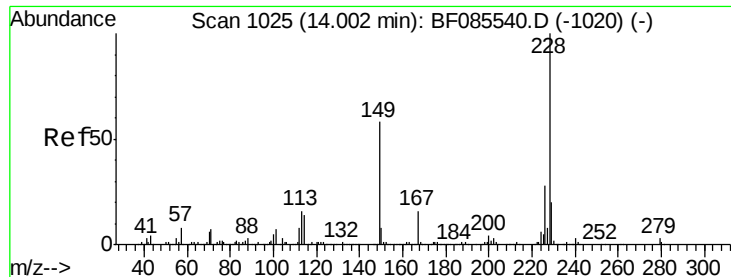
Delta R.T. -0.02 min

Lab File: BF085661.D

Acq: 22 Mar 2016 11:44

Tgt Ion:	244	Resp:	81949
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.1	9.1
122	14.8	10.2	15.4





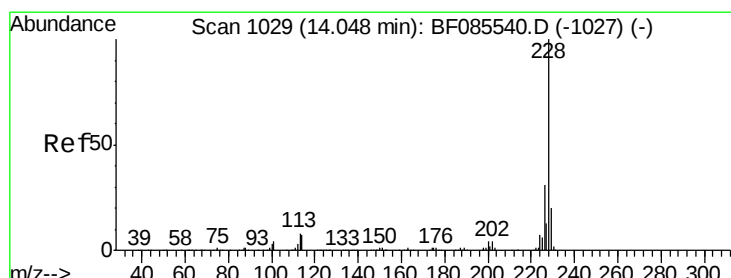
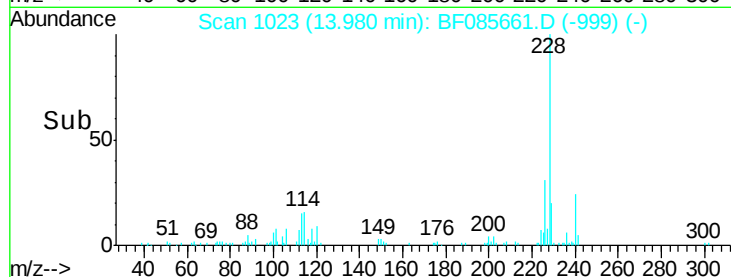
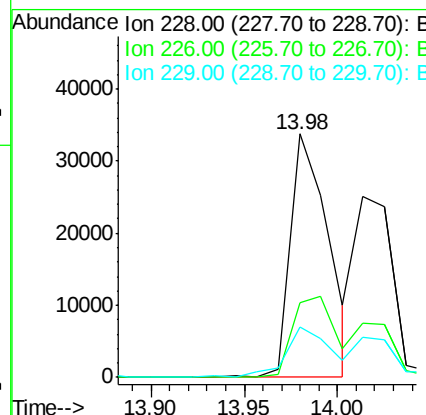
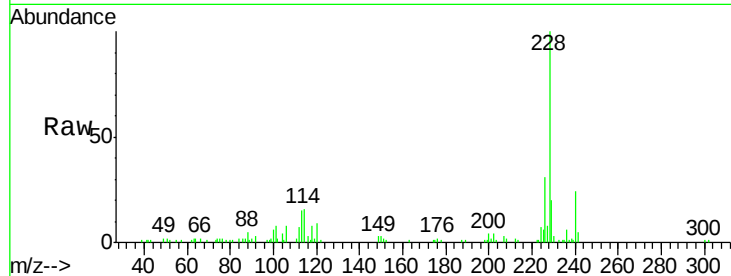
#80
Benzo(a)anthracene
Concen: 3.67 ng
RT: 13.98 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF085661.D
Acq: 22 Mar 2016 11:44

Instrument :
BNA_F
ClientSampleId :
AOU2-SB37A(COMP7-21)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.1	33.1
229	20.5	16.2	24.4

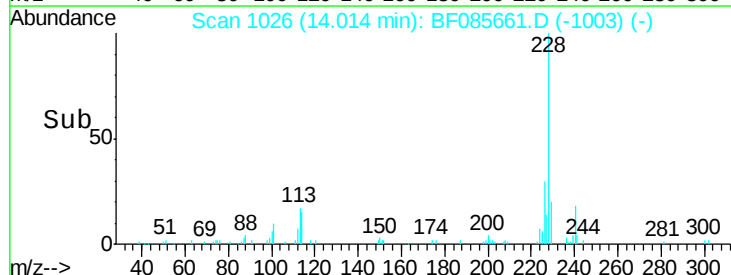
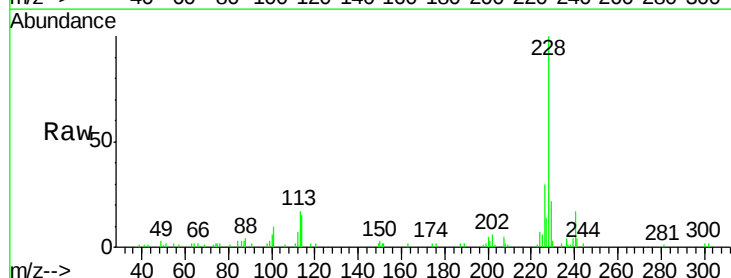
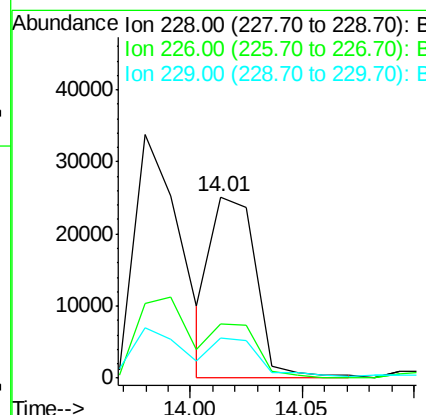
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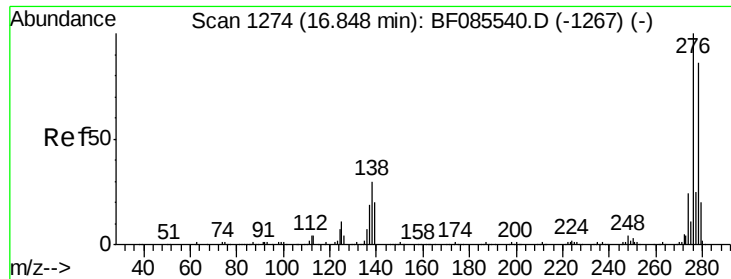
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#82
Chrysene
Concen: 2.82 ng m
RT: 14.01 min Scan# 1026
Delta R.T. -0.03 min
Lab File: BF085661.D
Acq: 22 Mar 2016 11:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	22.0	15.7	23.5





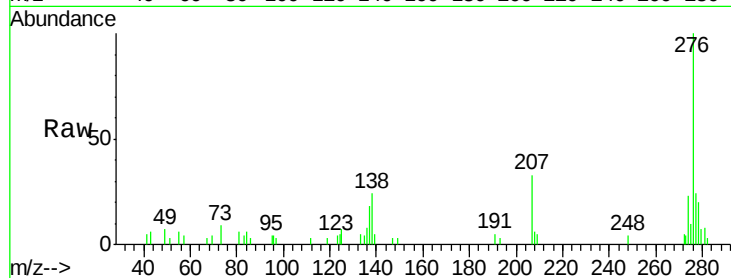
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.09 ng
 RT: 16.80 min Scan# 1270
 Delta R.T. -0.05 min
 Lab File: BF085661.D
 Acq: 22 Mar 2016 11:44

Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB37A(COMP7-21)

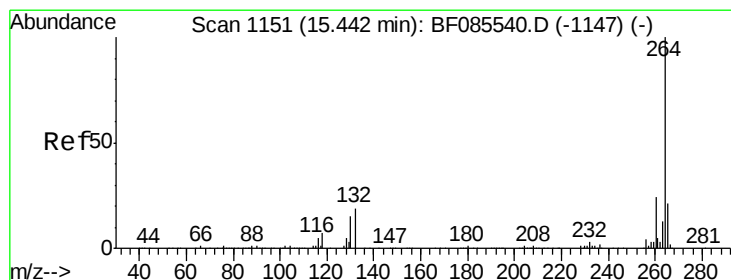
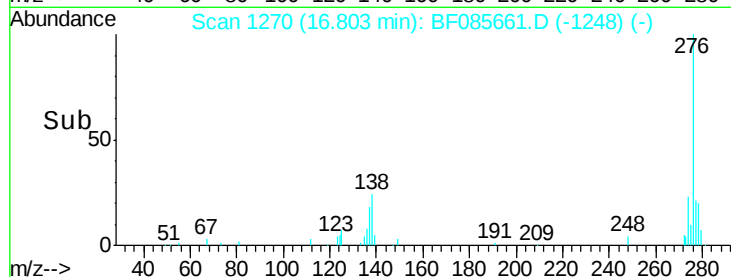
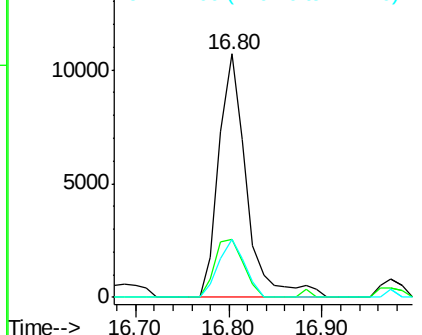
Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.8	24.2	36.4
277	22.5	20.0	30.0

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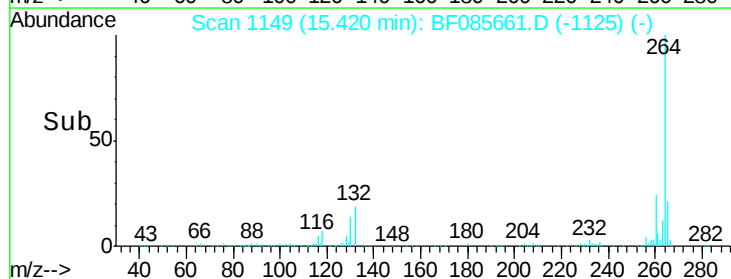
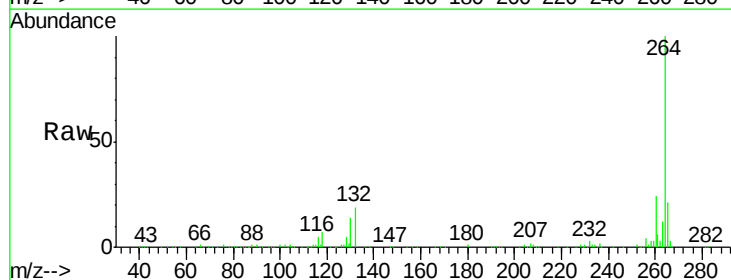
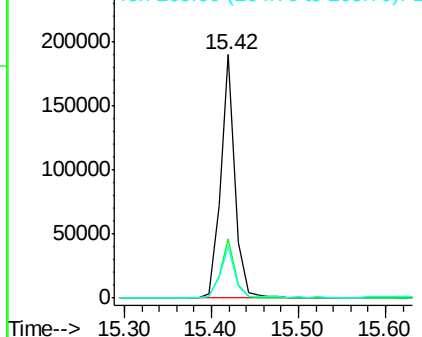
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

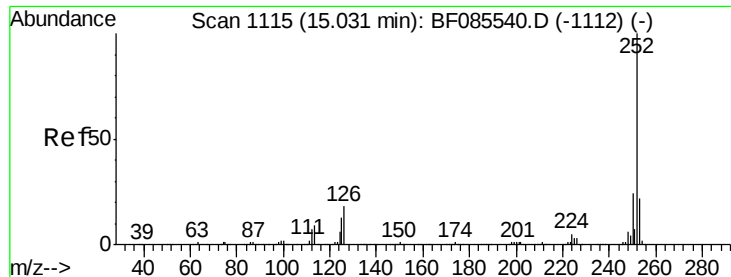


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1149
 Delta R.T. -0.02 min
 Lab File: BF085661.D
 Acq: 22 Mar 2016 11:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	21.3	17.2	25.8

Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





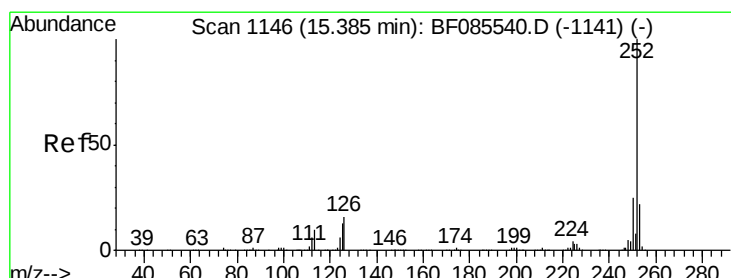
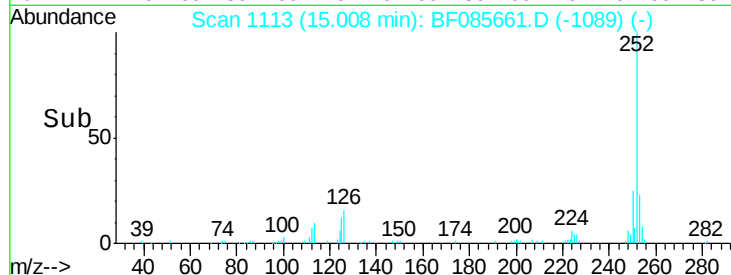
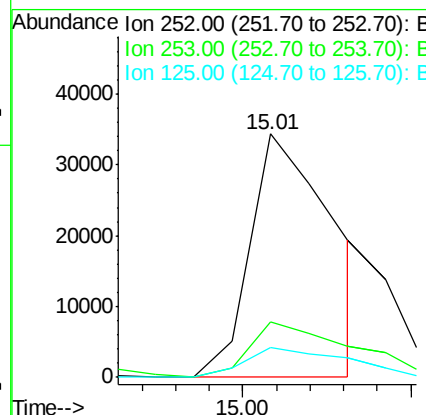
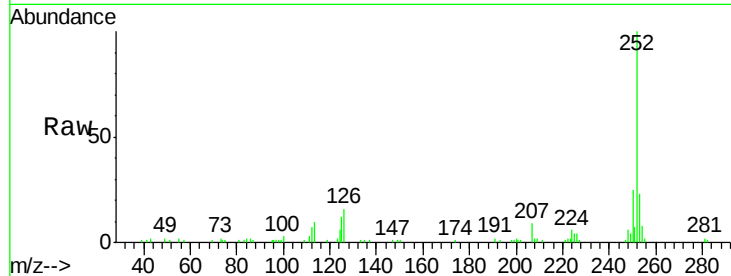
#87
Benzo(b)fluoranthene
Concen: 4.10 ng m
RT: 15.01 min Scan# 1113
Delta R.T. -0.02 min
Lab File: BF085661.D
Acq: 22 Mar 2016 11:44

Instrument :
BNA_F
ClientSampleId :
AOU2-SB37A(COMP7-21)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	12.3	10.3	15.5

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#89
Benzo(a)pyrene
Concen: 3.14 ng
RT: 15.36 min Scan# 1144
Delta R.T. -0.02 min
Lab File: BF085661.D
Acq: 22 Mar 2016 11:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	9.4	10.3	15.5#

