

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
 Data File : BF086110.D
 Acq On : 6 Apr 2016 21:01
 Operator : UM/SJ
 Sample : H2074-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB01A

Manual Integrations
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 4/7/2016 8:59:09 AM

Quant Time: Apr 07 02:27:53 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	110625	20.00	ng	-0.03
21) Naphthalene-d8	8.03	136	429784	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	170923	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	262051	20.00	ng	-0.03
75) Chrysene-d12	13.91	240	220481	20.00	ng	-0.02
86) Perylene-d12	15.30	264	199479	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	750389	115.94	ng	-0.02
7) Phenol-d6	6.40	99	965271	117.42	ng	-0.02
23) Nitrobenzene-d5	7.31	82	517348	70.99	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	144319	89.96	ng	-0.03
44) 2-Fluorobiphenyl	9.10	172	798214	77.65	ng	-0.03
78) Terphenyl-d14	12.84	244	545443	58.15	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.50	163	146383	11.55	ng	99
57) Fluorene	10.33	166	27940	2.43	ng	100
70) Phenanthrene	11.29	178	372992	26.09	ng	99
71) Anthracene	11.33	178	98395	6.57	ng	99
74) Fluoranthene	12.48	202	526210	35.39	ng	92
77) Pyrene	12.71	202	505599	32.54	ng	100
80) Benzo(a)anthracene	13.89	228	260664	20.06	ng	97
82) Chrysene	13.93	228	216297m	17.28	ng	
85) Indeno(1,2,3-cd)pyrene	16.65	276	90801	8.94	ng	94
87) Benzo(b)fluoranthene	14.91	252	278128m	22.16	ng	
88) Benzo(k)fluoranthene	14.93	252	90376m	8.13	ng	
89) Benzo(a)pyrene	15.24	252	187284	16.84	ng	96
90) Dibenzo(a,h)anthracene	16.65	278	22696	2.54	ng	# 85
91) Benzo(g,h,i)perylene	17.05	276	82869	9.57	ng	97

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

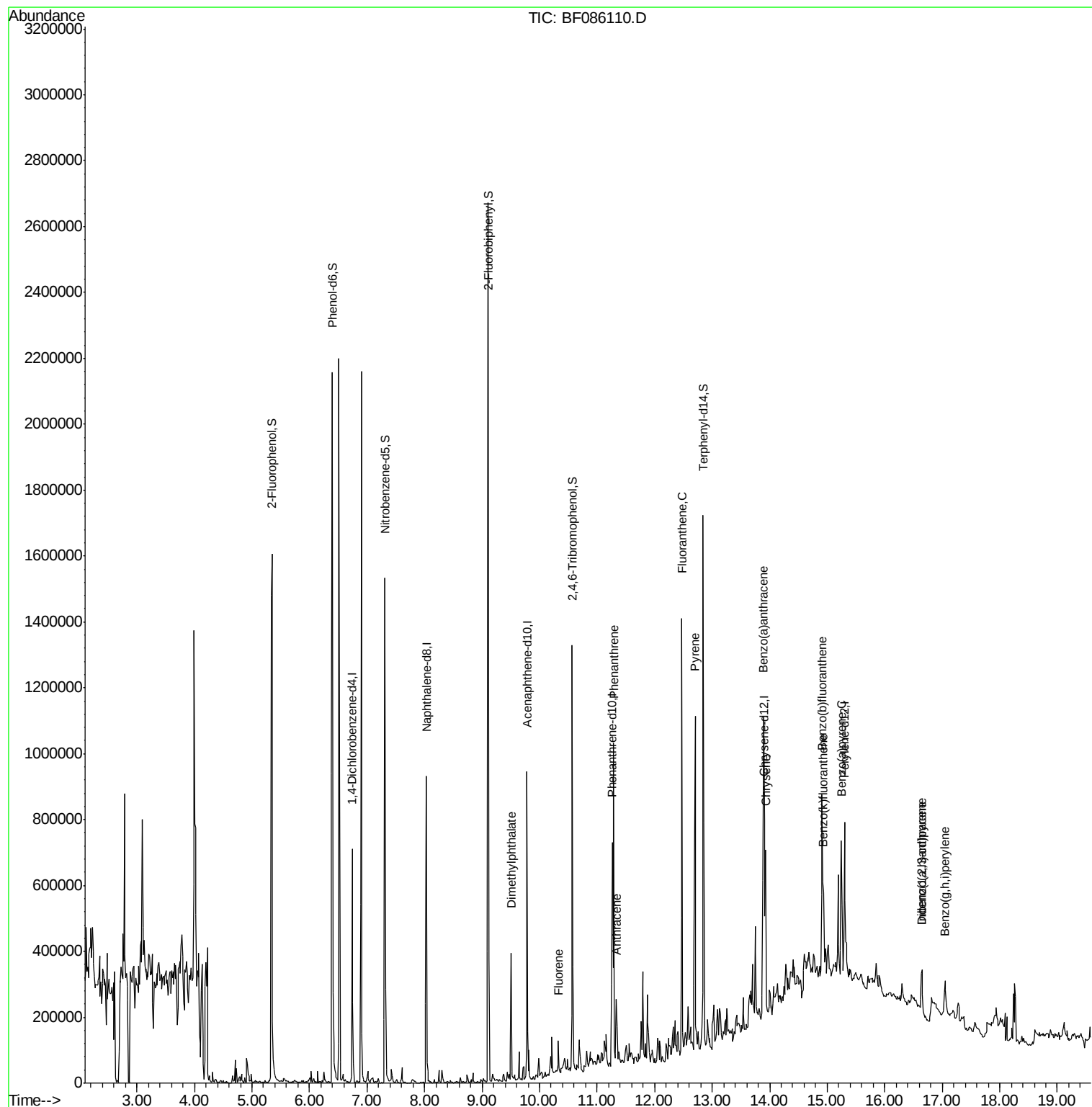
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
Data File : BF086110.D
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ALS Vial : 21 Sample Multiplier: 1

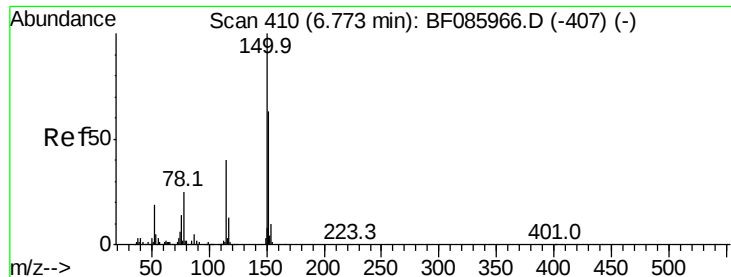
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#1

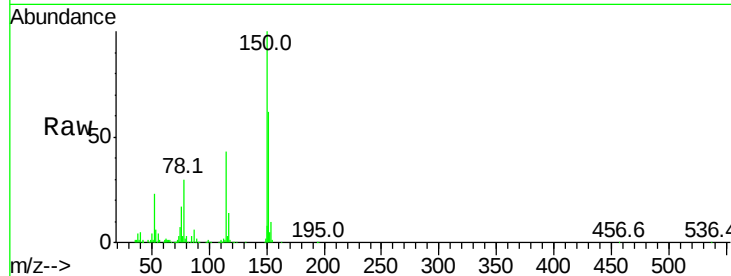
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.03 min
Lab File: BF086110.D
Acq: 6 Apr 2016 21:01

Instrument :
BNA_F
ClientSampleId :
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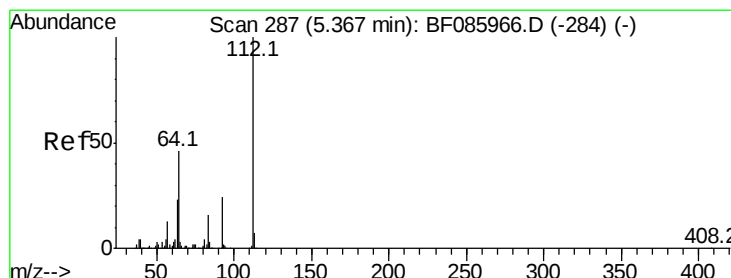
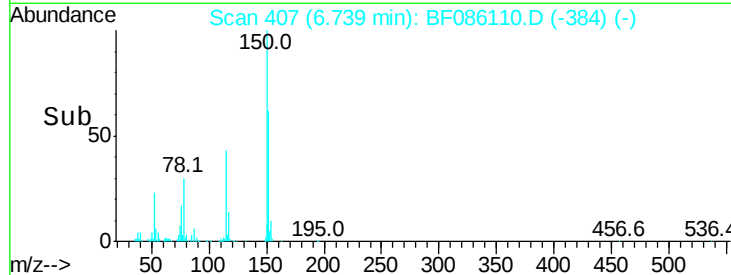
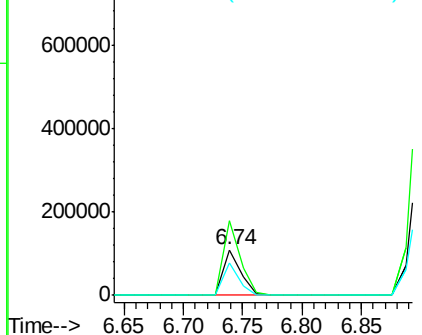
Tot Ion	Ratio	Lower	Upper
152	100		
150	161.6	124.2	186.2
115	69.4	47.0	70.6

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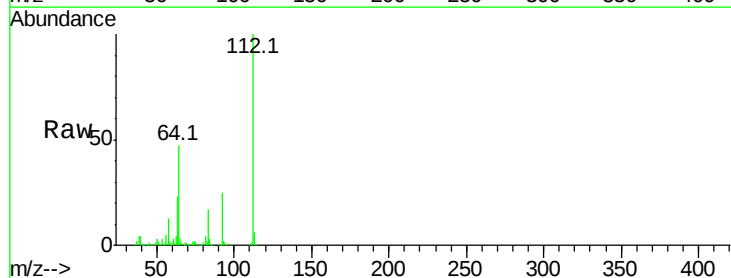
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



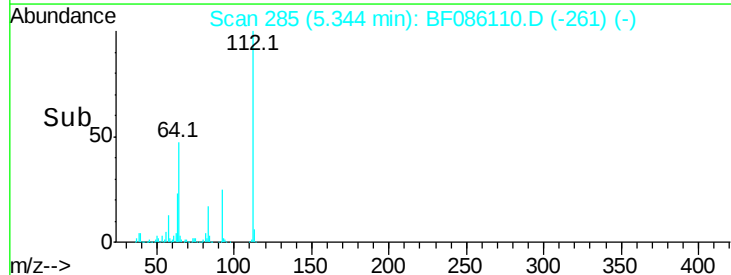
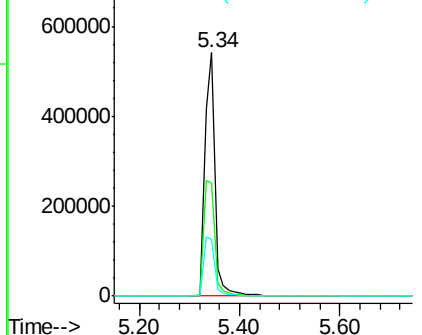
#5

2-Fluorophenol
Concen: 115.94 ng
RT: 5.34 min Scan# 285
Delta R.T. -0.02 min
Lab File: BF086110.D
Acq: 6 Apr 2016 21:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.5	39.9	59.9
63	23.3	20.2	30.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.42 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086110.D

Acq: 6 Apr 2016 21:01

Instrument :

BNA_F

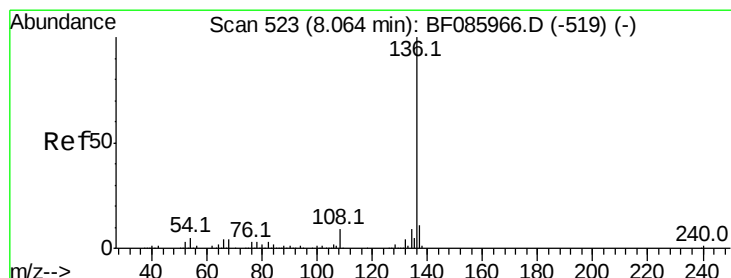
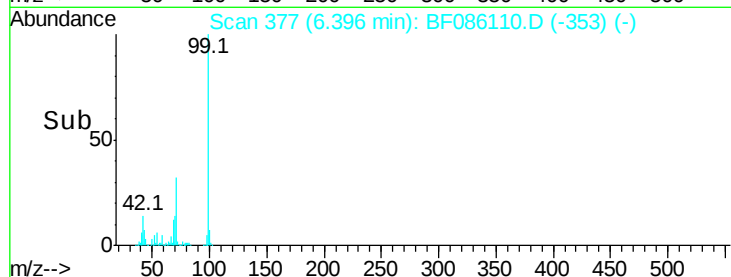
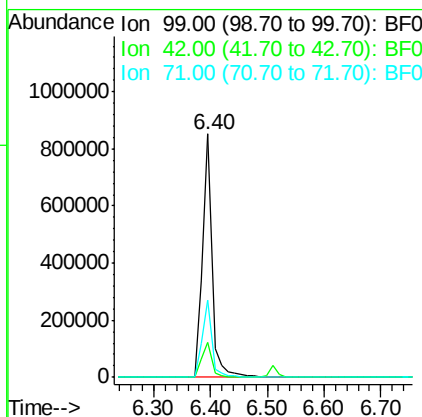
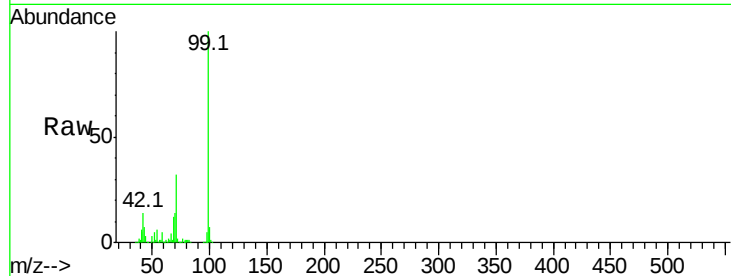
ClientSampleId :

SB01A

Tot Ion:	99	Resp:	965271
Ion Ratio	Lower	Upper	
99	100		
42	14.4	11.1	16.7
71	31.8	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

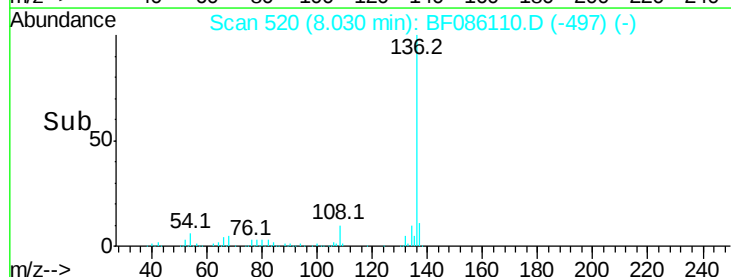
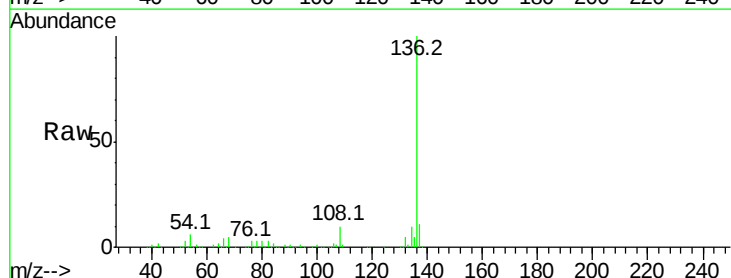
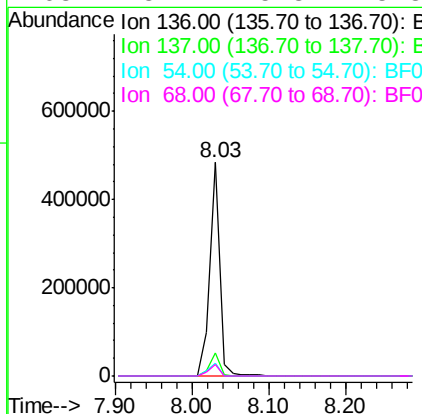
RT: 8.03 min Scan# 520

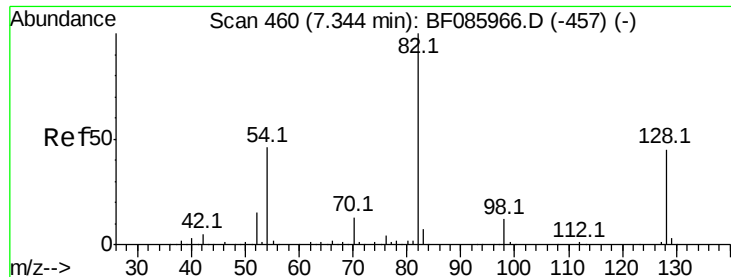
Delta R.T. -0.03 min

Lab File: BF086110.D

Acq: 6 Apr 2016 21:01

Tgt Ion:	136	Resp:	429784
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.1	13.7
54	5.8	7.4	11.0#
68	5.2	5.8	8.8#





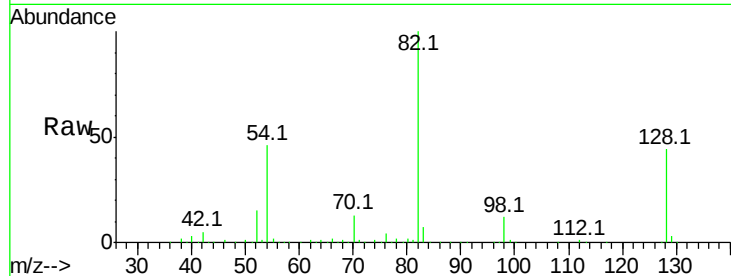
#23
Nitrobenzene-d5
Concen: 70.99 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF086110.D
Acq: 6 Apr 2016 21:01

Instrument :
BNA_F
ClientSampled :
SB01A

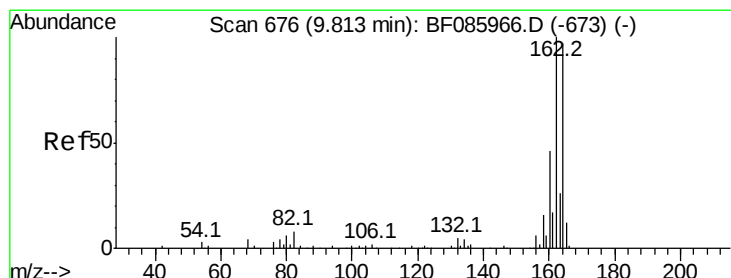
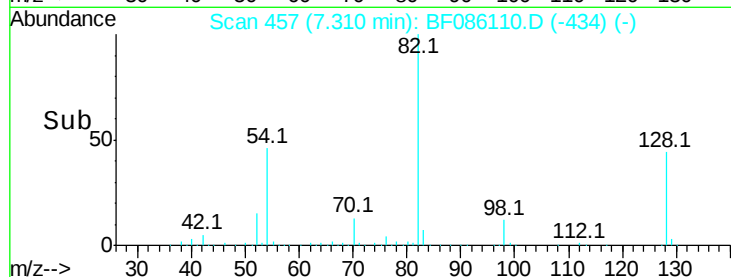
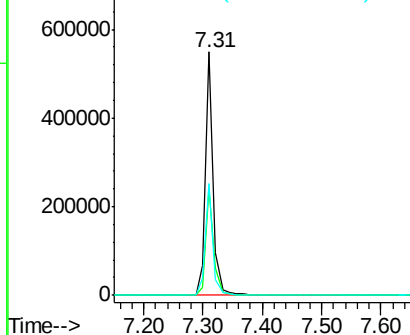
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	41.8	62.8
54	46.0	33.4	50.0

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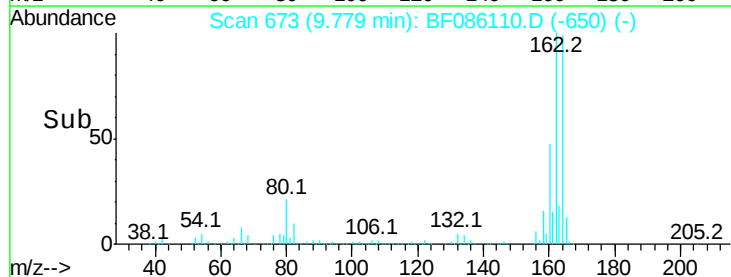
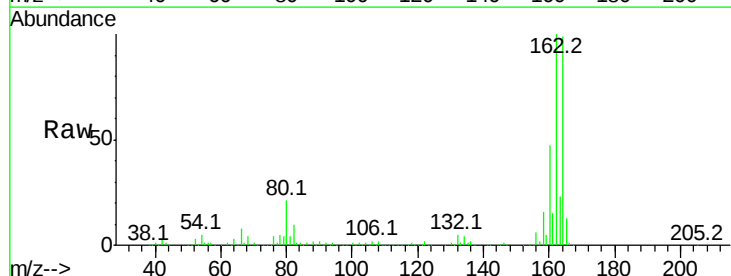
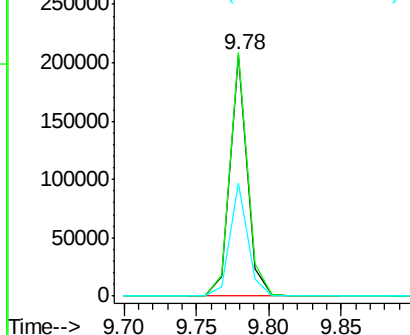
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

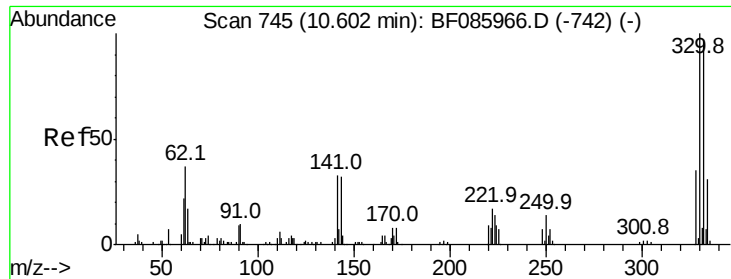


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.03 min
Lab File: BF086110.D
Acq: 6 Apr 2016 21:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.1	123.1
160	47.0	37.4	56.2

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





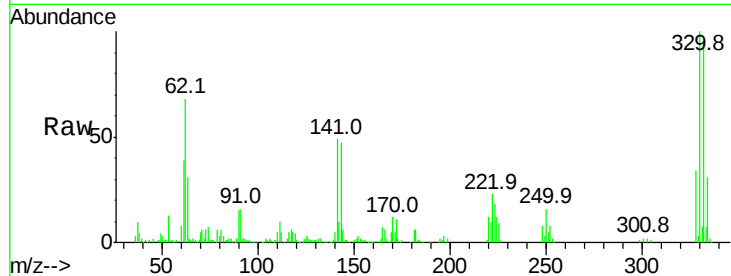
#41
 2,4,6-Tribromophenol
 Concen: 89.96 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.03 min
 Lab File: BF086110.D
 Acq: 6 Apr 2016 21:01

Instrument :
 BNA_F
 ClientSampleId :
 SB01A

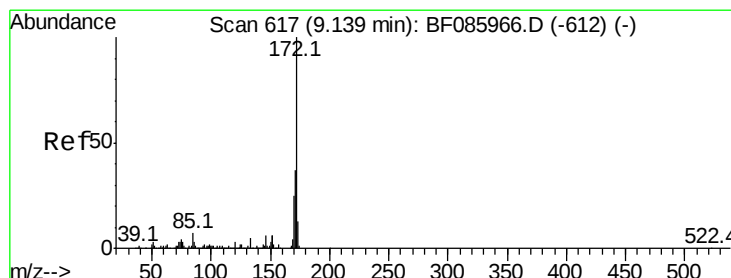
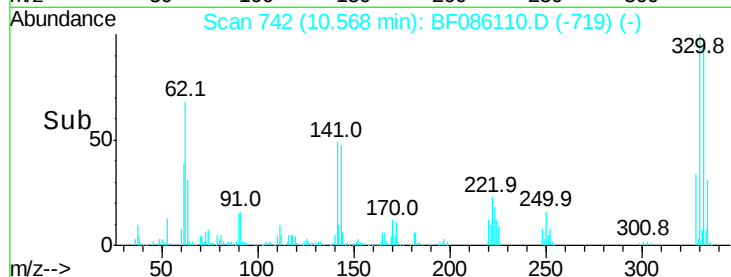
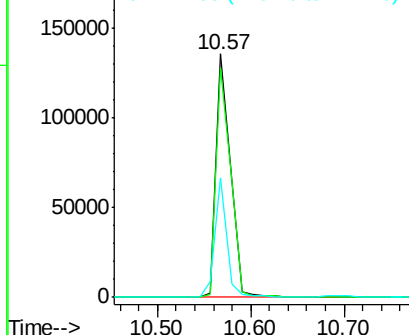
Tot Ion	Ratio	Resp	Lower	Upper
330	100	144319		
332	96.2	78.2	117.2	
141	40.3	31.5	47.3	

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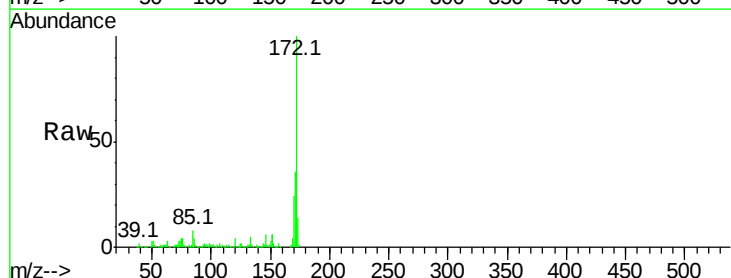


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

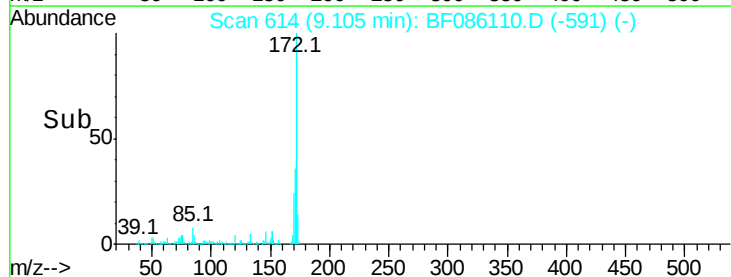
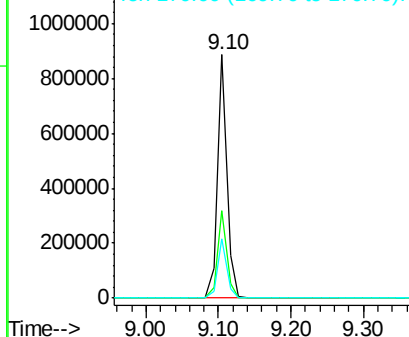


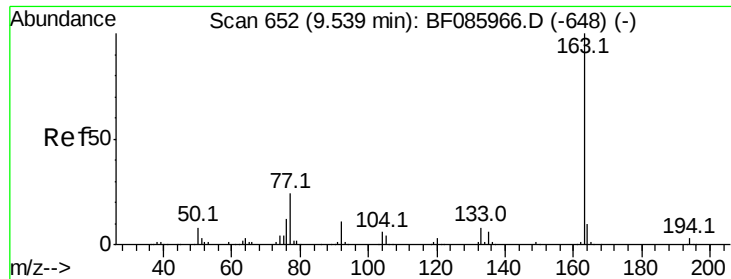
#44
 2-Fluorobiphenyl
 Concen: 77.65 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: BF086110.D
 Acq: 6 Apr 2016 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	798214		
171	35.9	29.4	44.2	
170	24.3	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





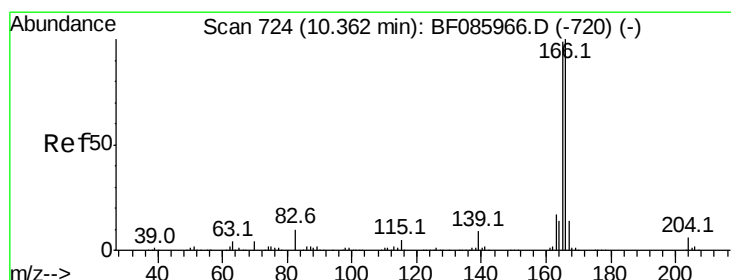
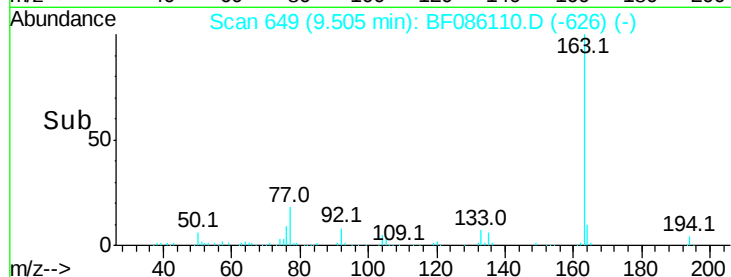
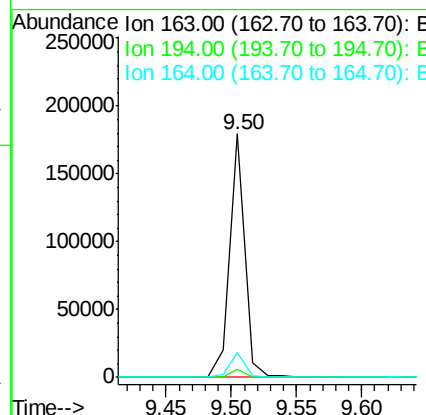
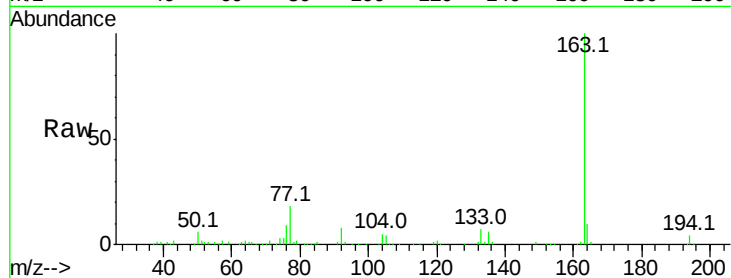
#49
Dimethylphthalate
Concen: 11.55 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.03 min
Lab File: BF086110.D
Acq: 6 Apr 2016 21:01

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.5	2.9	4.3
164	10.0	8.3	12.5

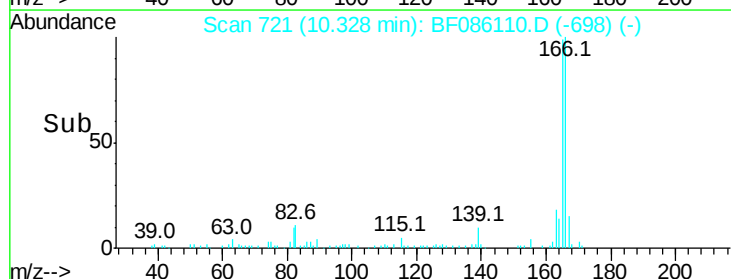
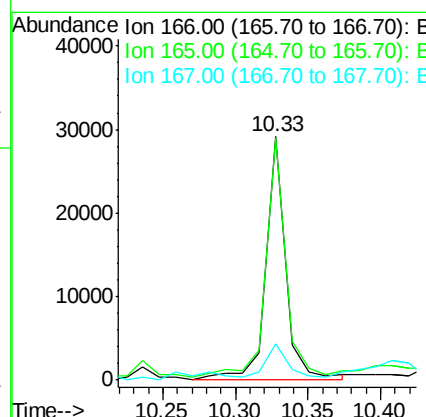
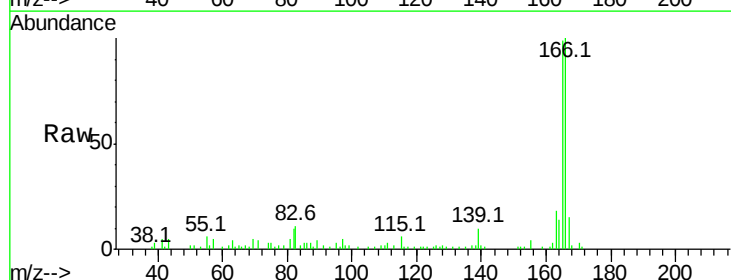
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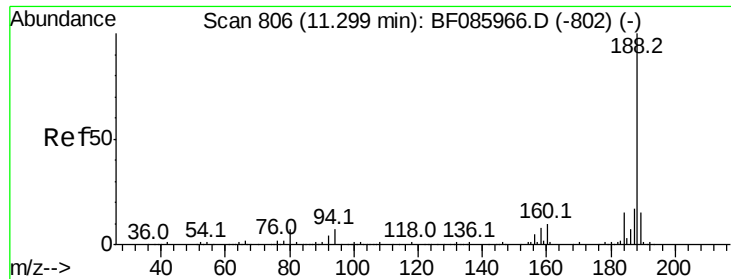
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#57
Fluorene
Concen: 2.43 ng
RT: 10.33 min Scan# 721
Delta R.T. -0.03 min
Lab File: BF086110.D
Acq: 6 Apr 2016 21:01

Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	99.3	79.4	119.0
167	14.8	11.0	16.4





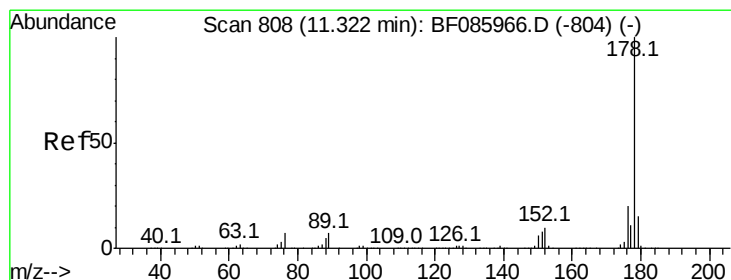
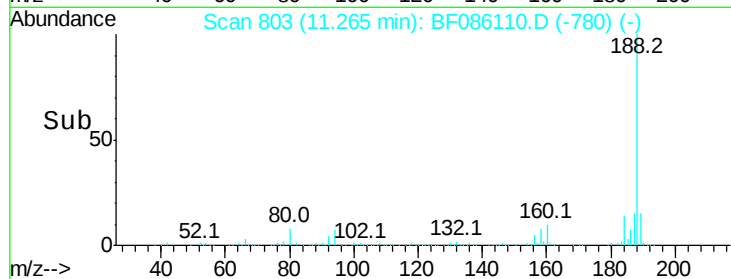
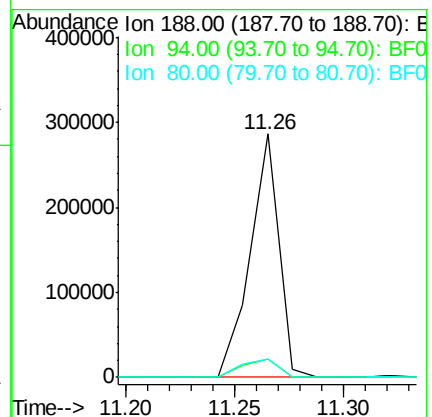
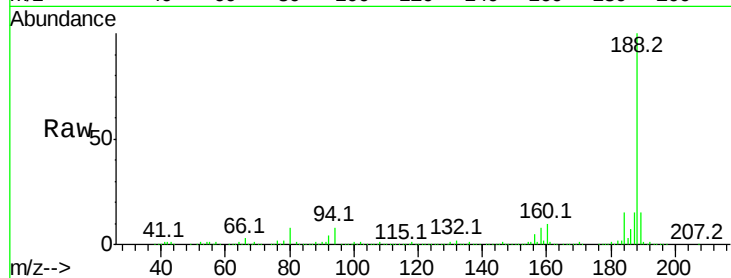
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF086110.D
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Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.5	5.4	8.0
80	7.7	5.5	8.3

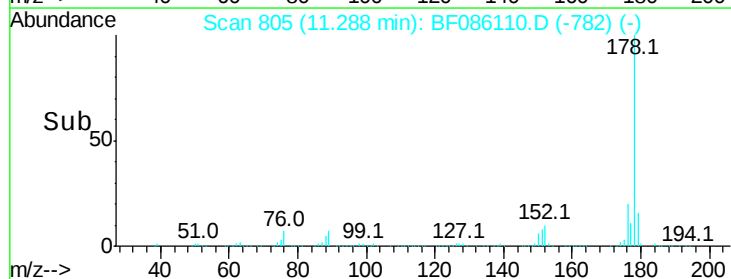
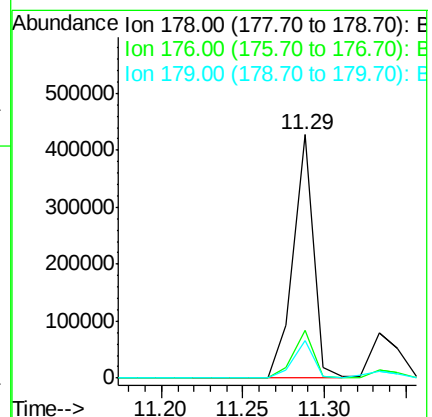
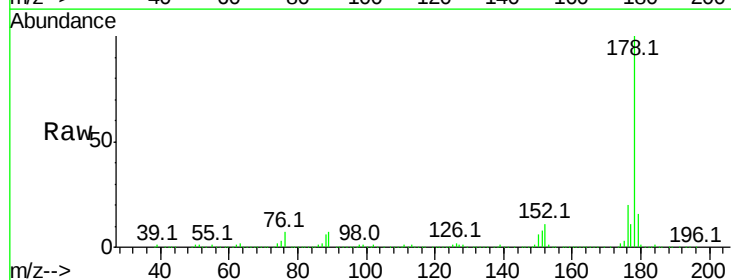
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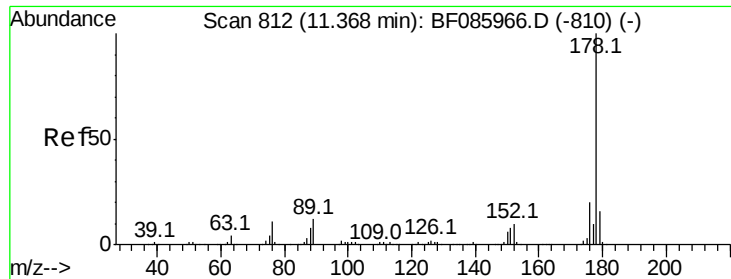
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#70
Phenanthrene
Concen: 26.09 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.03 min
Lab File: BF086110.D
Acq: 6 Apr 2016 21:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.9	16.3	24.5
179	15.7	12.6	18.8





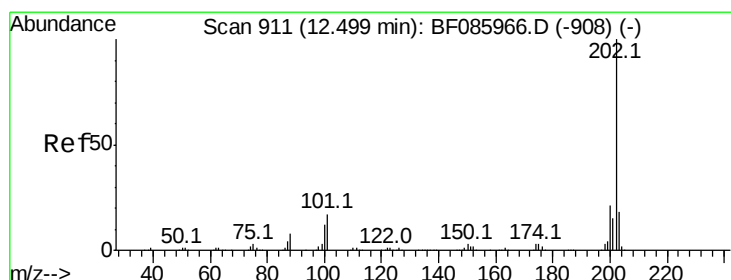
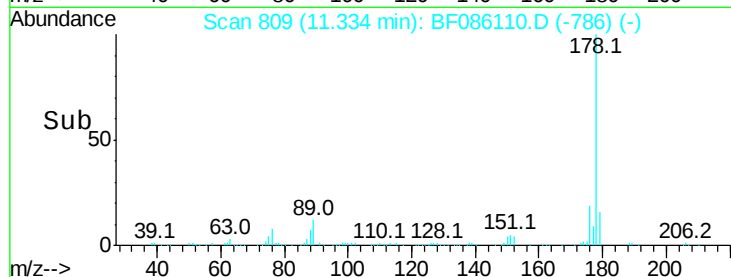
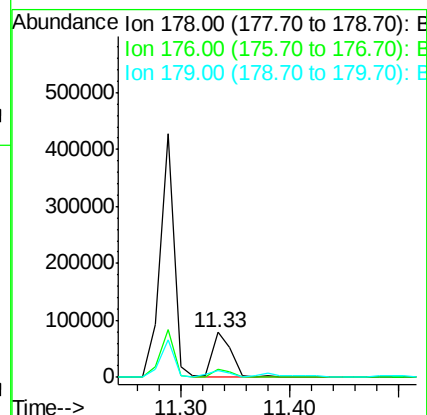
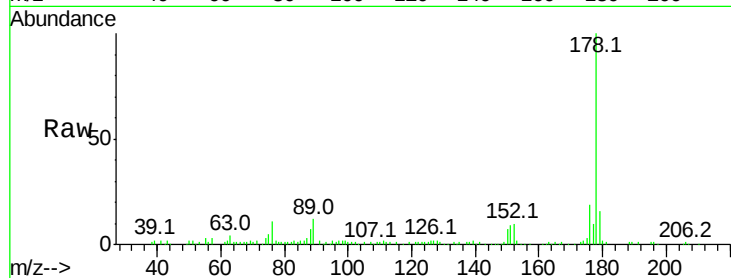
#71
 Anthracene
 Concen: 6.57 ng
 RT: 11.33 min Scan# 809
 Delta R.T. -0.03 min
 Lab File: BF086110.D
 Acq: 6 Apr 2016 21:01

Instrument :
 BNA_F
 ClientSampleId :
 SB01A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	16.3	13.0	19.4

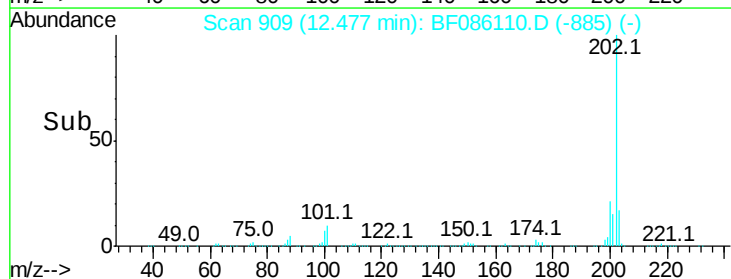
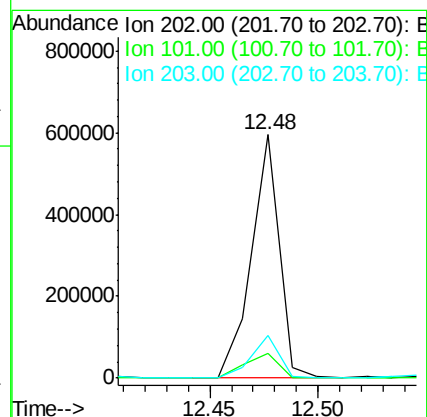
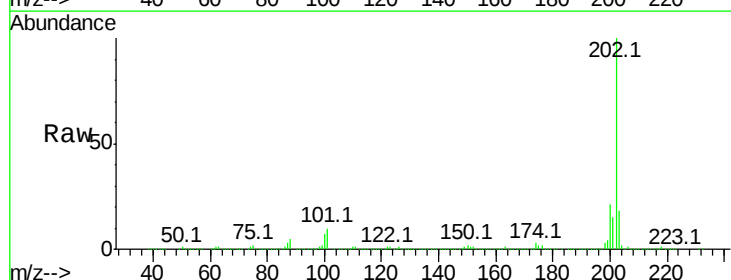
Manual Integrations
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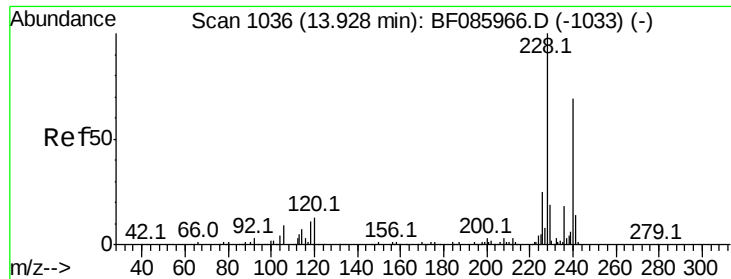
Sohil
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#74
 Fluoranthene
 Concen: 35.39 ng
 RT: 12.48 min Scan# 909
 Delta R.T. -0.02 min
 Lab File: BF086110.D
 Acq: 6 Apr 2016 21:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	36.6
203	17.5	0.0	38.1





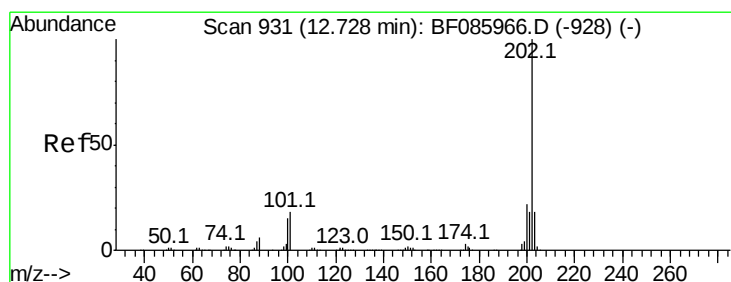
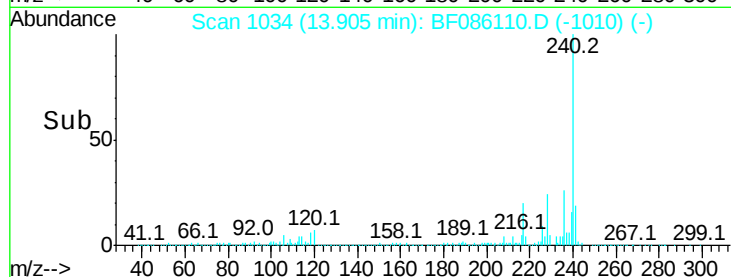
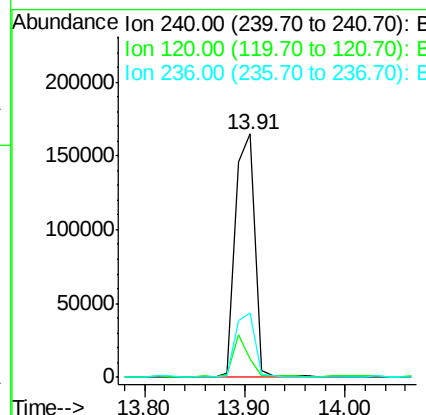
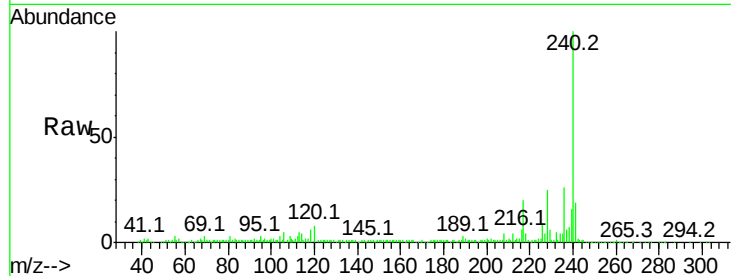
#75
 Chrvsene-d12
 Concen: 20.00 ng
 RT: 13.91 min Scan# 1034
 Delta R.T. -0.02 min
 Lab File: BF086110.D
 Acq: 6 Apr 2016 21:01

Instrument :
 BNA_F
 ClientSampleId :
 SB01A

Tot Ion	Ratio	Resp	Lower	Upper
240	100	220481		
120	7.6	13.8	20.8#	
236	26.4	20.6	30.8	

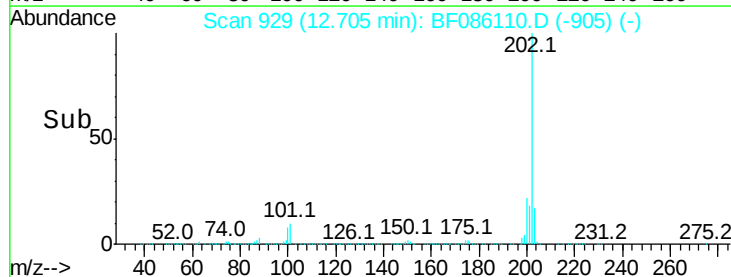
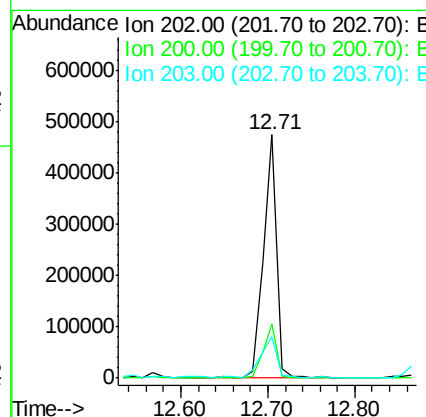
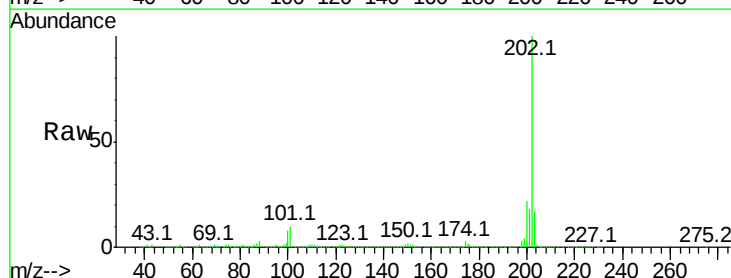
Manual Integrations
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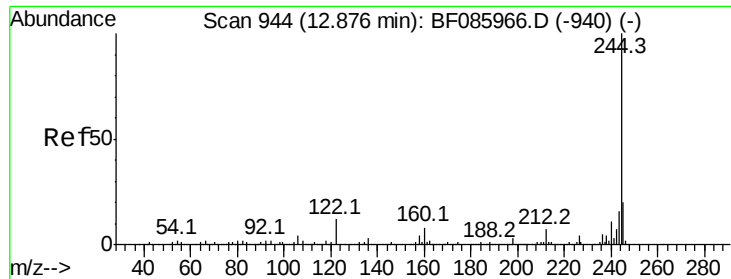
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#77
 Pyrene
 Concen: 32.54 ng
 RT: 12.71 min Scan# 929
 Delta R.T. -0.02 min
 Lab File: BF086110.D
 Acq: 6 Apr 2016 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	505599		
200	22.0	17.6	26.4	
203	17.2	14.0	21.0	





#78

Terphenyl-d14

Concen: 58.15 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086110.D

Acq: 6 Apr 2016 21:01

Instrument :

BNA_F

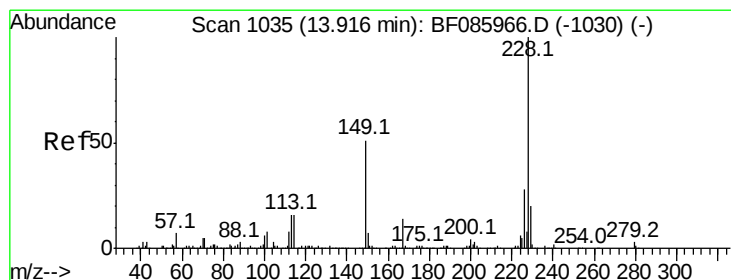
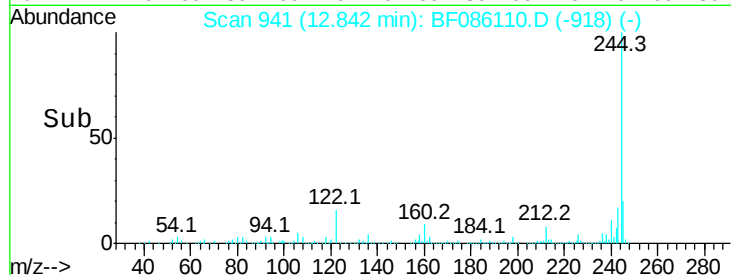
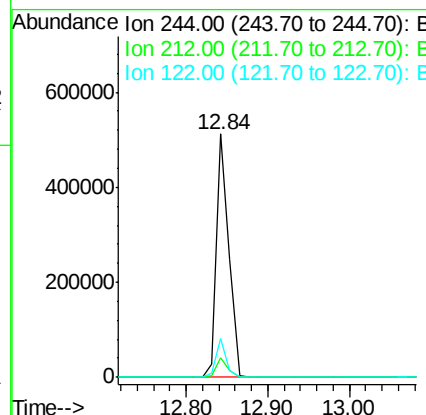
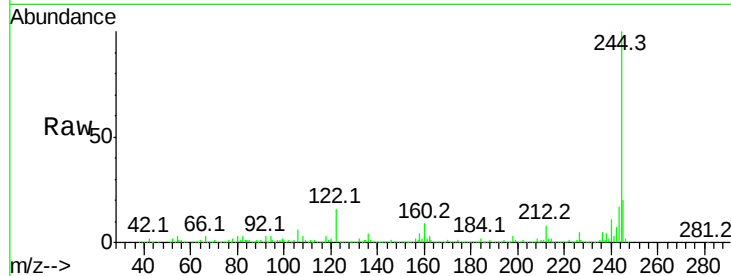
ClientSampled :

SB01A

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.1	9.1
122	16.0	10.2	15.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 20.06 ng

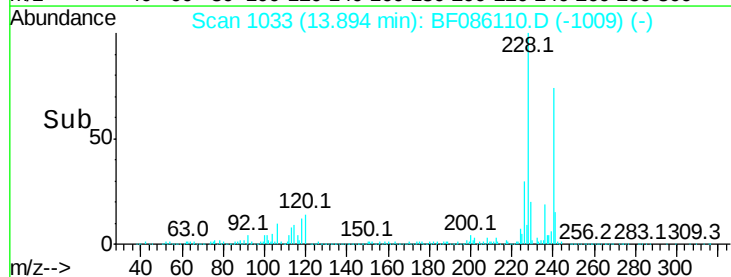
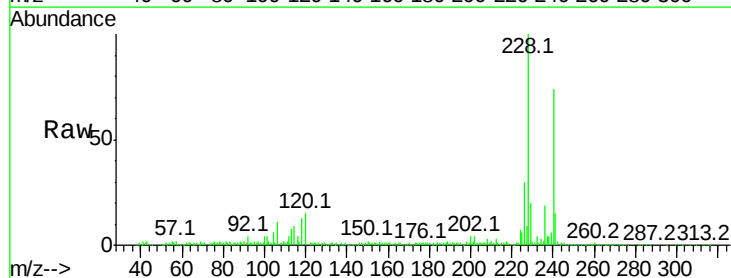
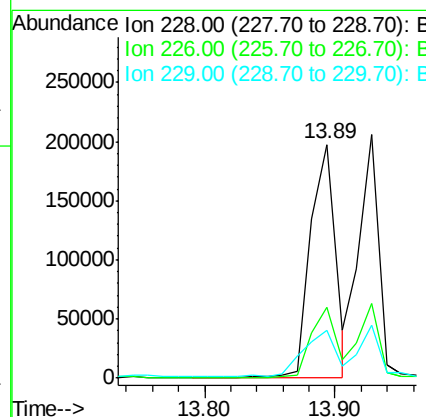
RT: 13.89 min Scan# 1033

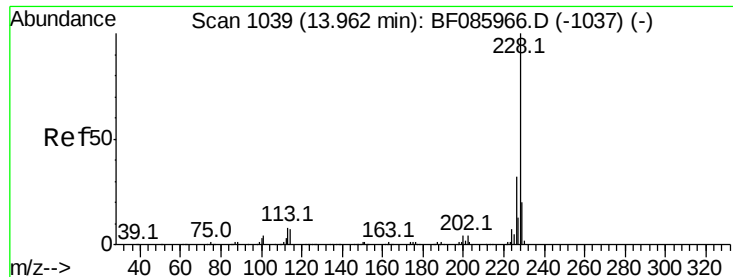
Delta R.T. -0.02 min

Lab File: BF086110.D

Acq: 6 Apr 2016 21:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.1	33.1
229	20.4	16.2	24.4





#82

Chrysene

Concen: 17.28 ng/mL

RT: 13.93 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BF086110.D

Acq: 6 Apr 2016 21:01

Instrument :

BNA_F

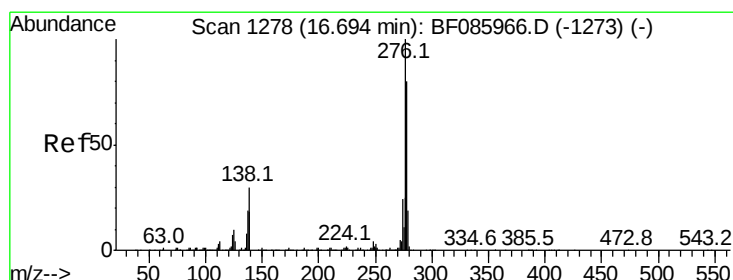
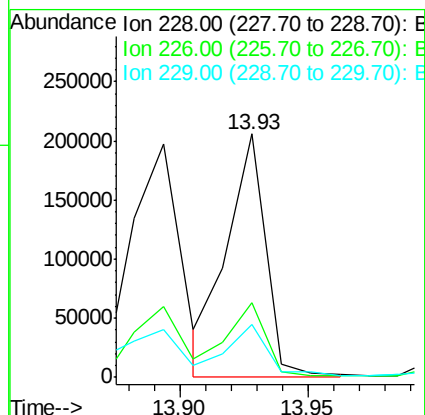
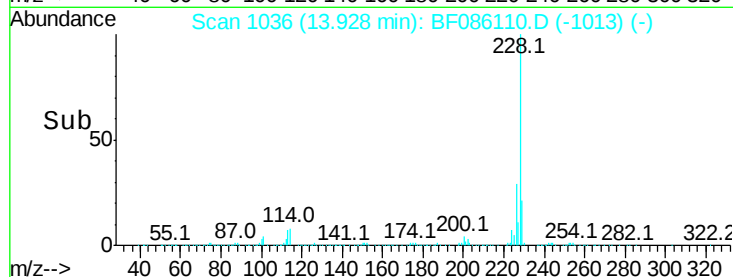
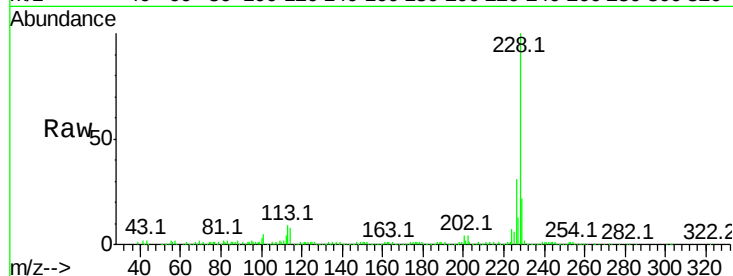
ClientSampleID :

SB01A

Tot Ion:	228	Resp:	216297
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.0	37.6
229	21.8	15.7	23.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.94 ng/mL

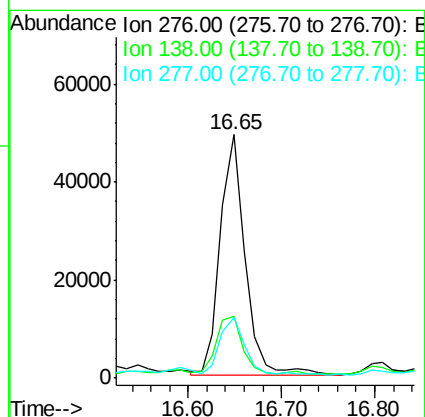
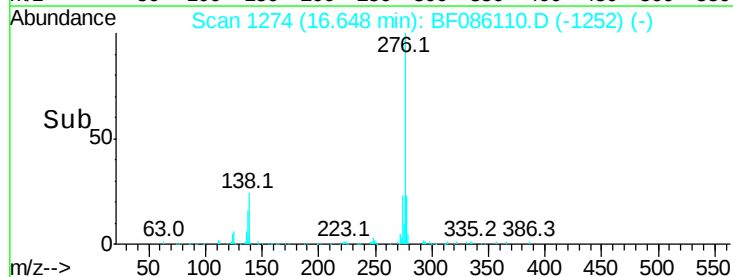
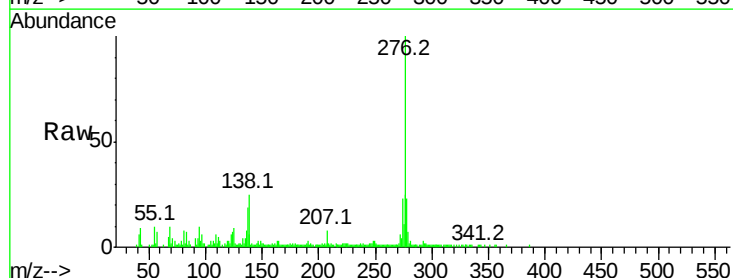
RT: 16.65 min Scan# 1274

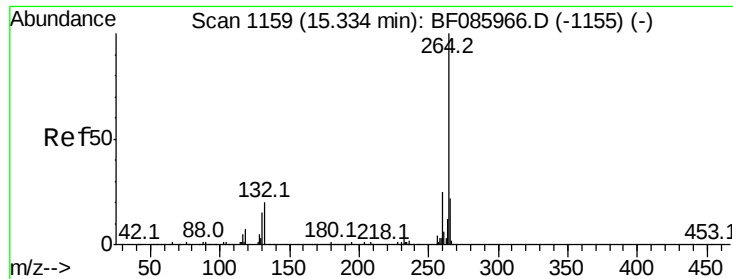
Delta R.T. -0.05 min

Lab File: BF086110.D

Acq: 6 Apr 2016 21:01

Tgt Ion:	276	Resp:	90801
Ion Ratio	Lower	Upper	
276	100		
138	24.9	24.2	36.4
277	23.8	20.0	30.0





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.30 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF086110.D

Acq: 6 Apr 2016 21:01

Instrument :

BNA_F

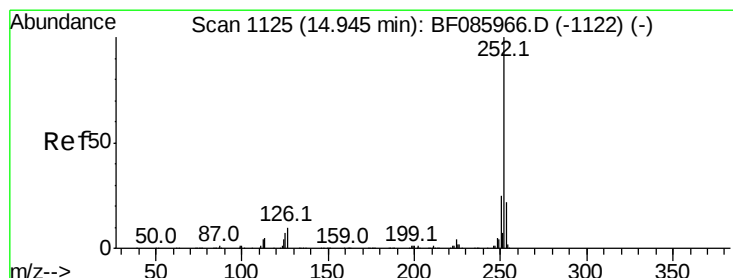
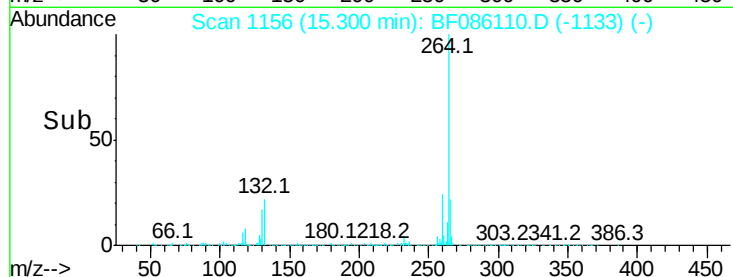
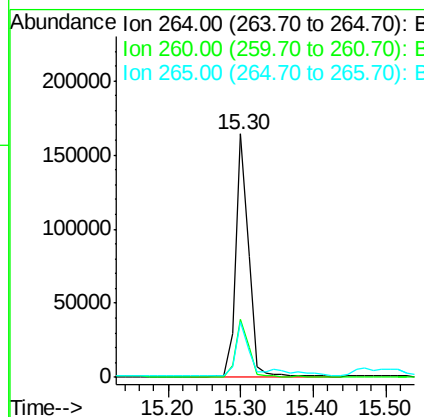
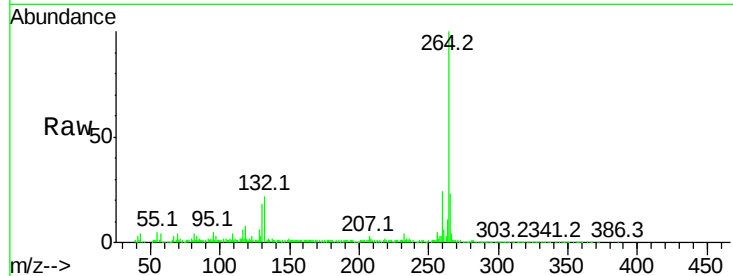
ClientSampleId :

SB01A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	22.6	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 22.16 ng m

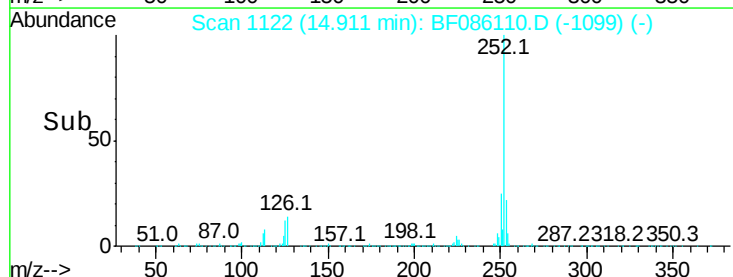
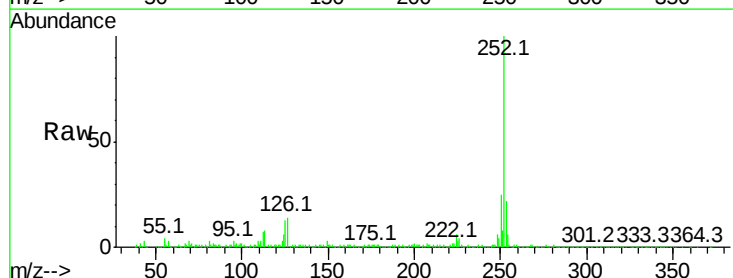
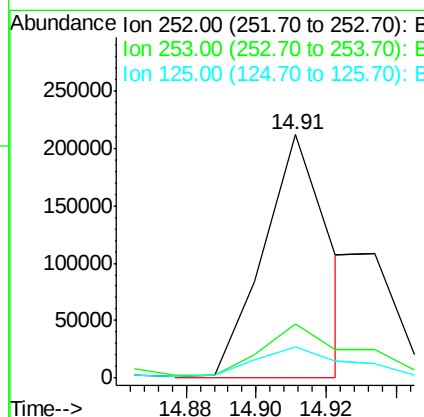
RT: 14.91 min Scan# 1122

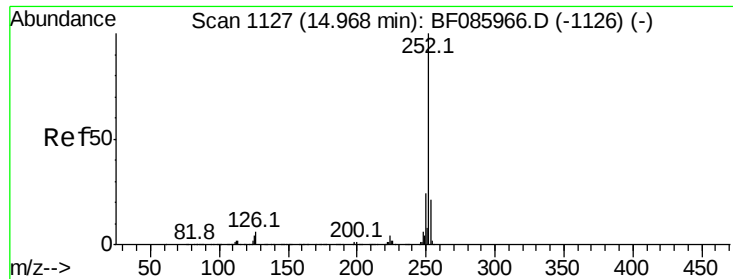
Delta R.T. -0.03 min

Lab File: BF086110.D

Acq: 6 Apr 2016 21:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	12.5	10.3	15.5





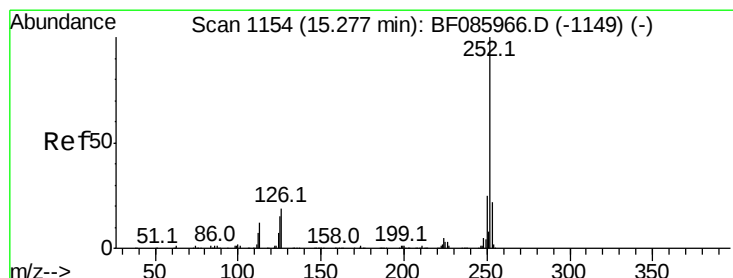
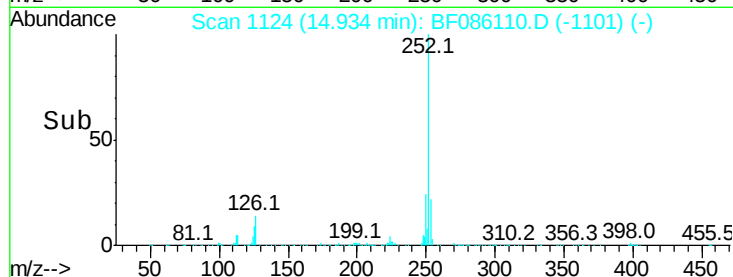
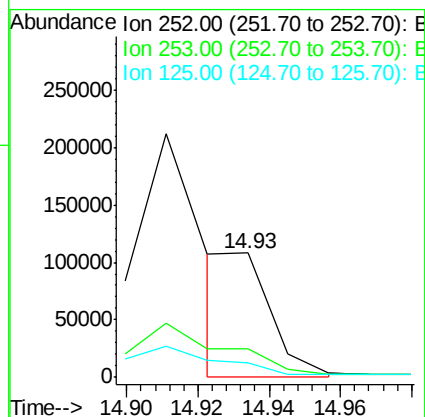
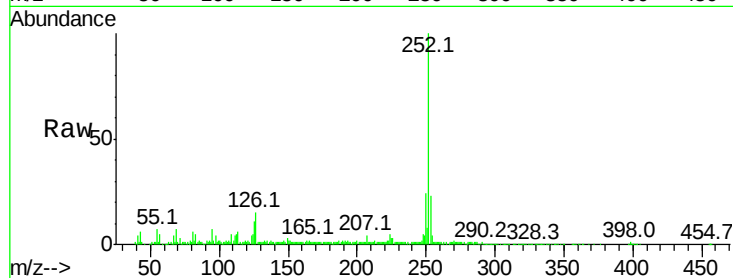
#88
Benzo(k)fluoranthene
Concen: 8.13 ng m
RT: 14.93 min Scan# 1124
Delta R.T. -0.03 min
Lab File: BF086110.D
Acq: 6 Apr 2016 21:01

Instrument :
BNA_F
ClientSampleId :
SB01A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	11.3	7.7	11.5

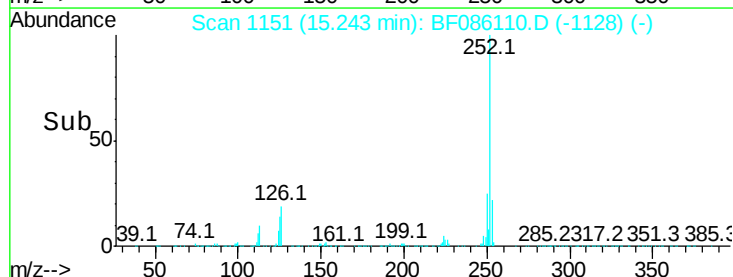
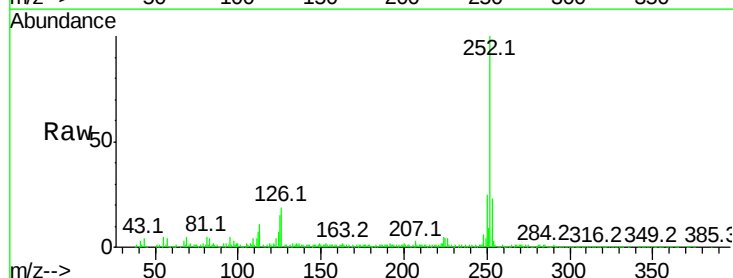
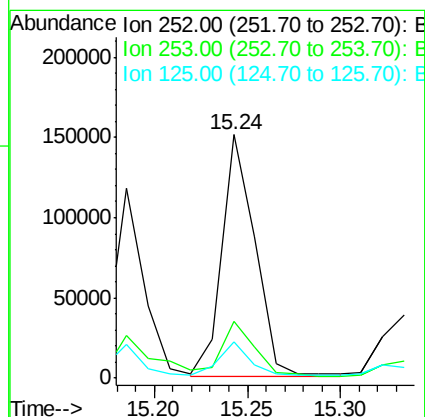
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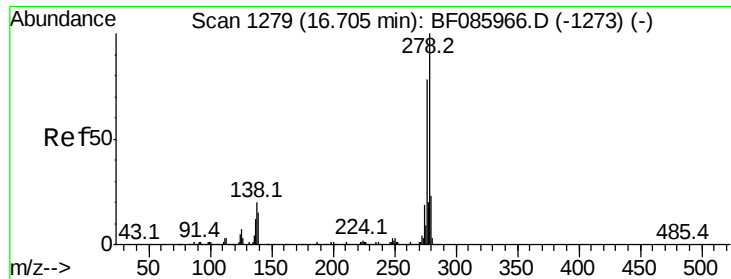
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#89
Benzo(a)pyrene
Concen: 16.84 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF086110.D
Acq: 6 Apr 2016 21:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	15.0	10.3	15.5





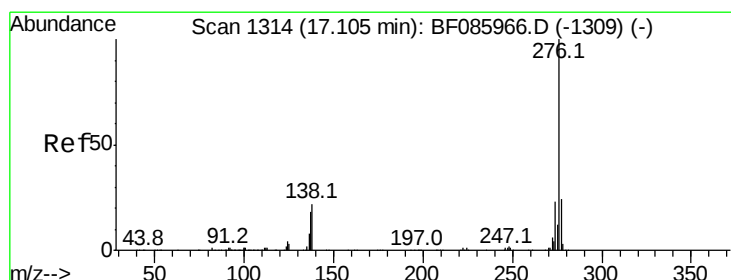
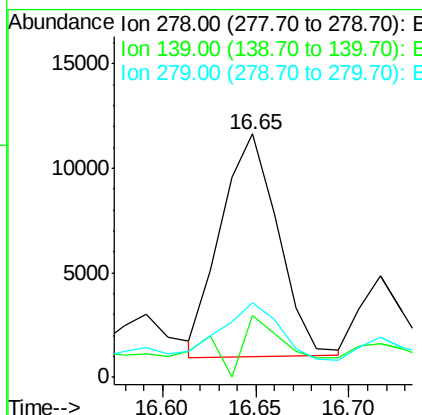
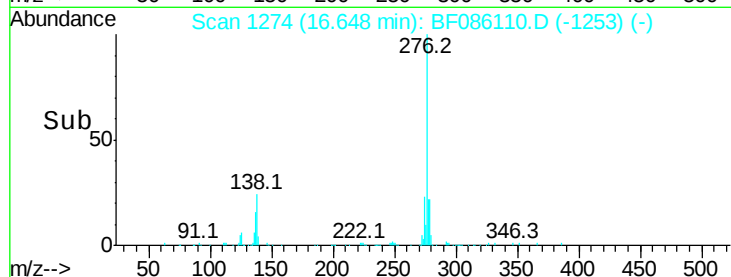
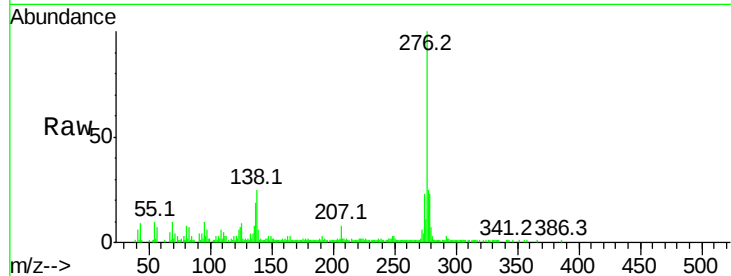
#90
Dibenzo(a,h)anthracene
Concen: 2.54 ng
RT: 16.65 min Scan# 1274
Delta R.T. -0.06 min
Lab File: BF086110.D
Acq: 6 Apr 2016 21:01

Instrument :
BNA_F
ClientSampleId :
SB01A

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.4	14.4	21.6#
279	30.4	19.1	28.7#

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#91
Benzo(g,h,i)perylene
Concen: 9.57 ng
RT: 17.05 min Scan# 1309
Delta R.T. -0.06 min
Lab File: BF086110.D
Acq: 6 Apr 2016 21:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.8	28.2
138	28.8	22.6	34.0

