

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
 Data File : BF088492.D
 Acq On : 28 Jun 2016 21:35
 Operator : UM/SJ
 Sample : H3663-16DL 4X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9DL

Manual Integrations
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Quant Time: Jun 29 06:01:04 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 28 05:25:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	102911	20.00	ng	-0.03
21) Naphthalene-d8	7.80	136	419137	20.00	ng	-0.03
38) Acenaphthene-d10	9.55	164	190327	20.00	ng	-0.03
63) Phenanthrene-d10	11.03	188	319289	20.00	ng	-0.03
75) Chrysene-d12	13.67	240	186952	20.00	ng	-0.02
86) Perylene-d12	15.02	264	182738	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	183926	30.55	ng	-0.03
7) Phenol-d6	6.18	99	258924	35.49	ng	-0.05
23) Nitrobenzene-d5	7.10	82	132229	18.42	ng	-0.03
41) 2,4,6-Tribromophenol	10.34	330	46824	23.30	ng	-0.03
44) 2-Fluorobiphenyl	8.89	172	264353	17.42	ng	-0.03
78) Terphenyl-d14	12.62	244	201429	24.52	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.83	128	844798	40.73	ng	99
37) 2-Methylnaphthalene	8.52	142	160177	11.72	ng	99
49) Dimethylphthalate	9.29	163	33338	2.42	ng	99
51) Acenaphthene	9.59	154	235527	19.27	ng	98
54) Dibenzofuran	9.76	168	228668	13.59	ng	94
57) Fluorene	10.10	166	242235	18.45	ng	98
70) Phenanthrene	11.06	178	1229388	73.38	ng	99
71) Anthracene	11.11	178	473079	27.99	ng	99
72) Carbazole	11.28	167	174771	11.05	ng	97
74) Fluoranthene	12.24	202	912888	51.63	ng	98
77) Pyrene	12.47	202	812139	58.54	ng	100
80) Benzo(a)anthracene	13.66	228	380747m	35.74	ng	
82) Chrysene	13.69	228	328797m	32.80	ng	
85) Indeno(1,2,3-cd)pyrene	16.24	276	171189	18.38	ng	# 100
87) Benzo(b)fluoranthene	14.66	252	407470m	31.99	ng	
88) Benzo(k)fluoranthene	14.67	252	104293m	10.85	ng	
89) Benzo(a)pyrene	14.96	252	285892	27.74	ng	98
90) Dibenzo(a,h)anthracene	16.23	278	47459m	4.96	ng	
91) Benzo(a,h,i)perylene	16.61	276	154797	15.72	ng	96

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

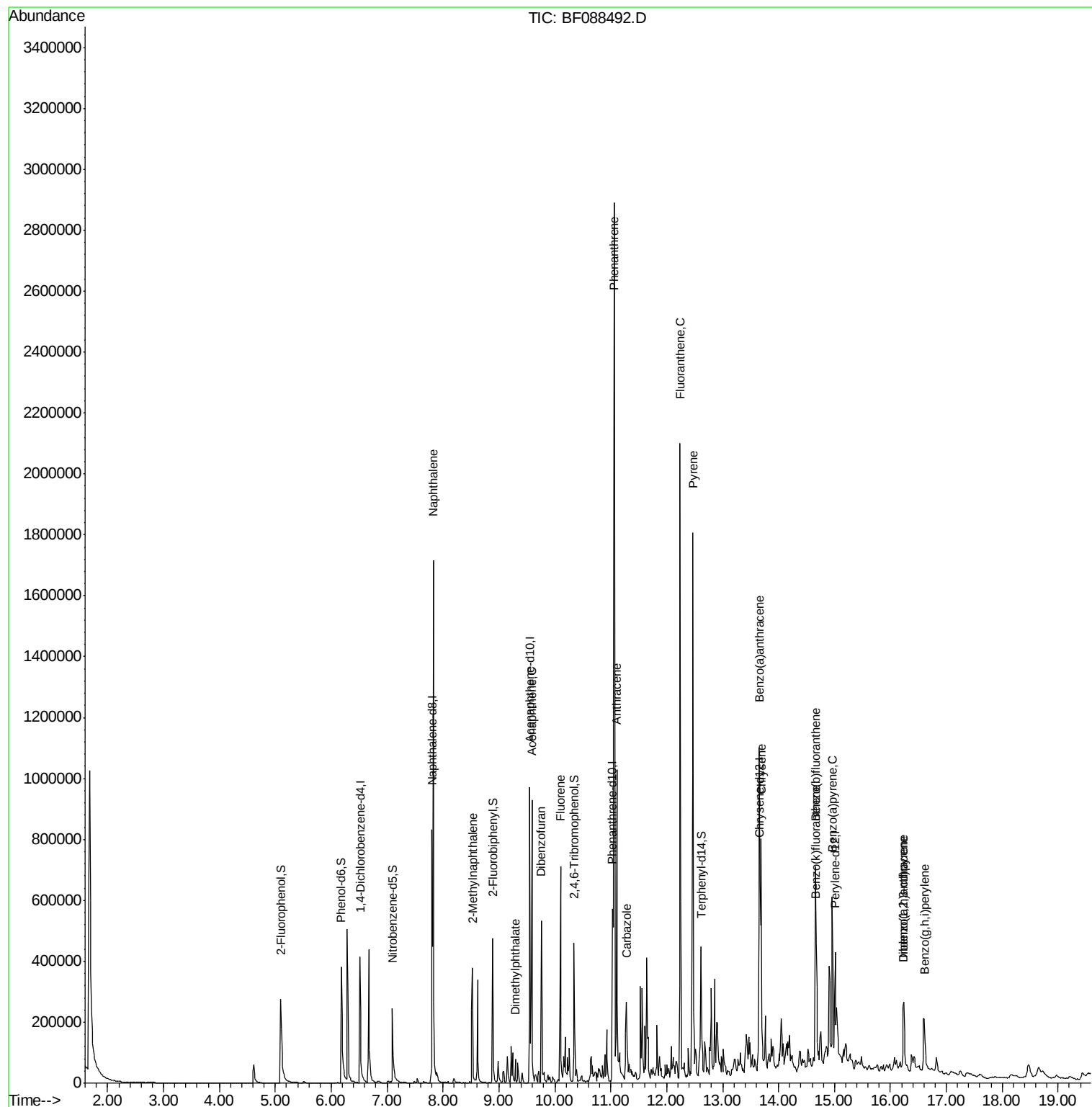
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
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ALS Vial : 9 Sample Multiplier: 1

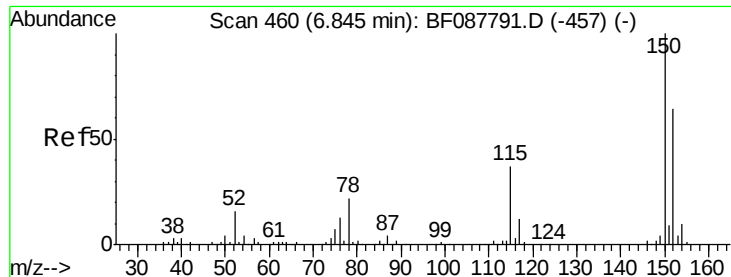
Instrument :
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TP-9DL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

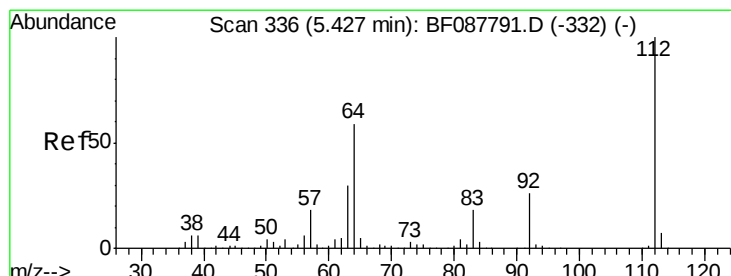
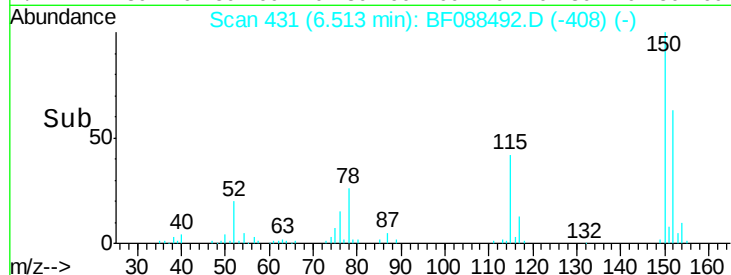
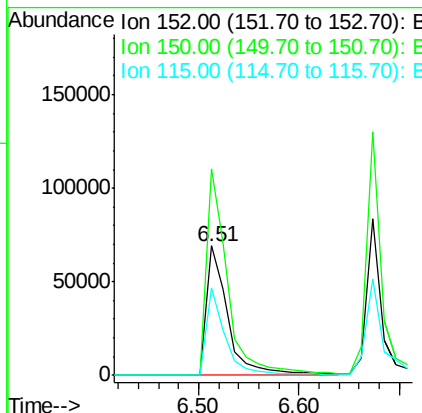
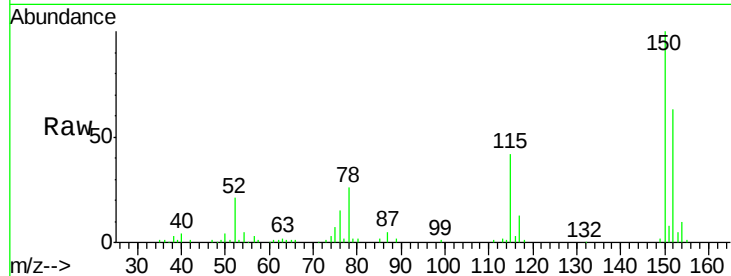
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.51 min Scan# 431
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	123.8	185.6
115	67.4	39.6	59.4

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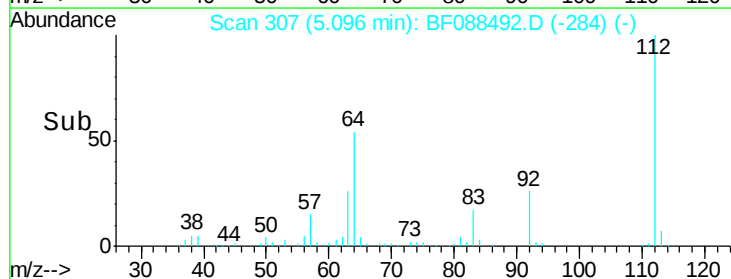
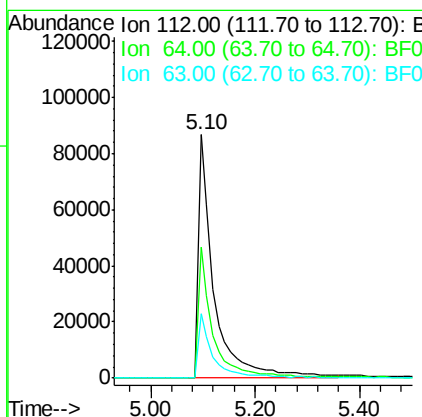
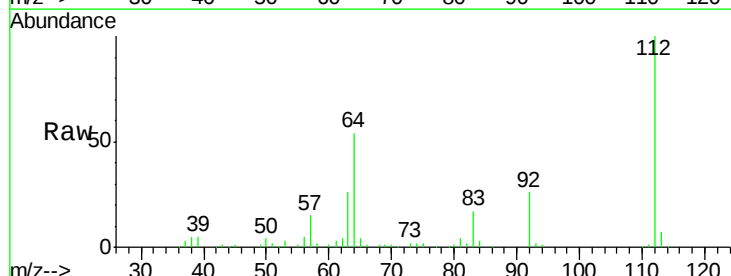
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#5

2-Fluorophenol
Concen: 30.55 ng
RT: 5.10 min Scan# 307
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	42.2	63.2
63	26.3	21.8	32.8





#7

Phenol-d6

Concen: 35.49 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.05 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

Instrument :

BNA_F

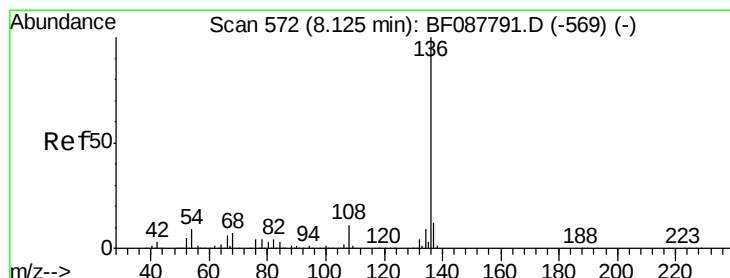
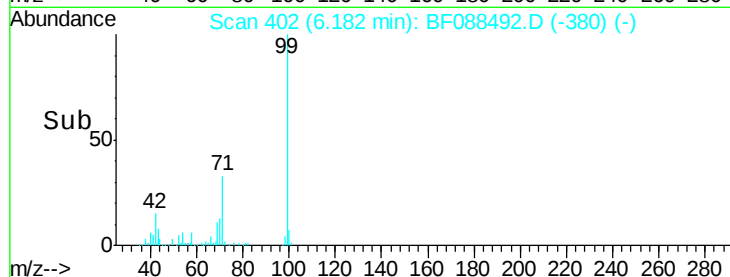
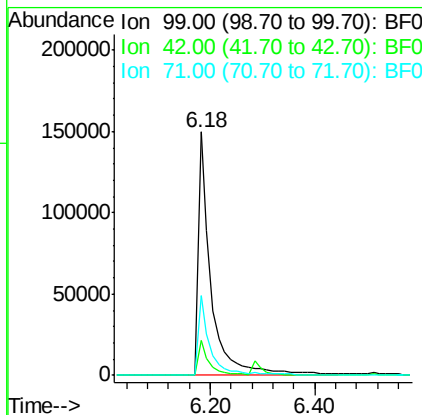
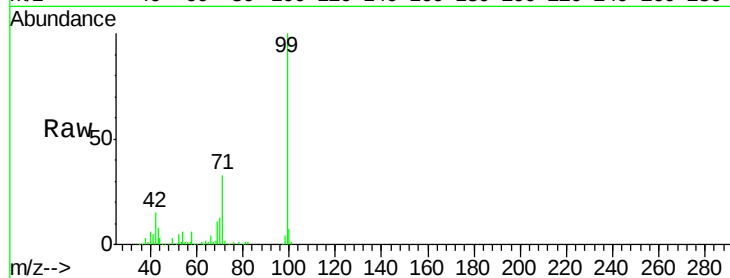
ClientSampled :

TP-9DL

Tot Ion:	99	Resp:	258924
Ion Ratio	Lower	Upper	
99	100		
42	14.5	12.2	18.2
71	32.6	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

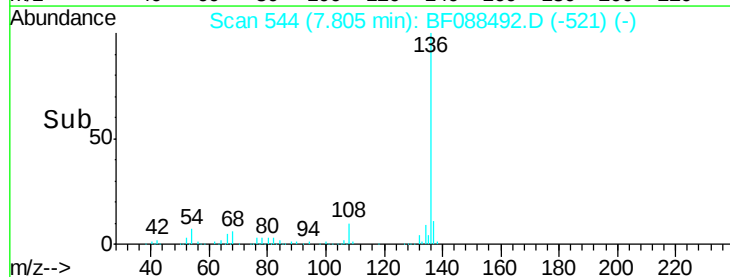
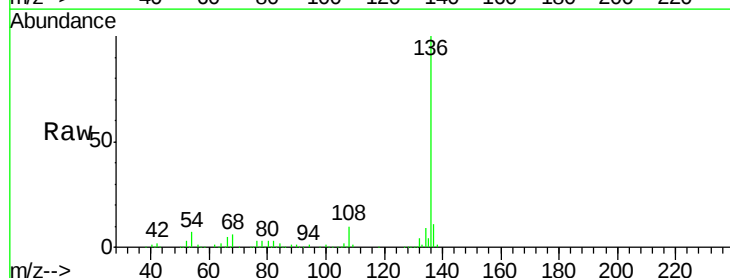
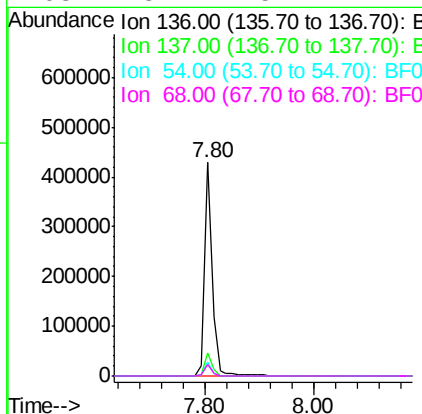
RT: 7.80 min Scan# 544

Delta R.T. -0.03 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

Tgt Ion:	136	Resp:	419137
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.1	13.7
54	6.6	6.6	10.0#
68	5.7	5.1	7.7





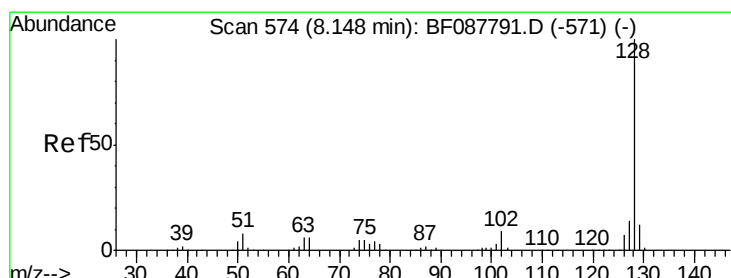
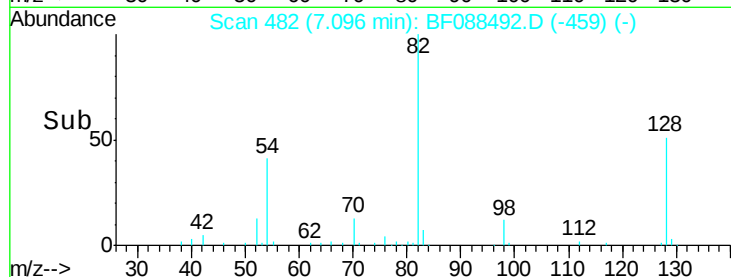
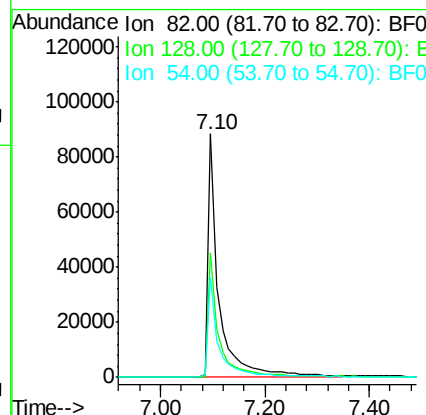
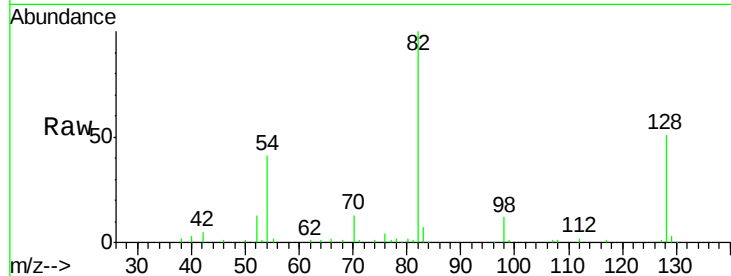
#23
Nitrobenzene-d5
Concen: 18.42 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	51.1	35.9	53.9
54	41.2	40.9	61.3

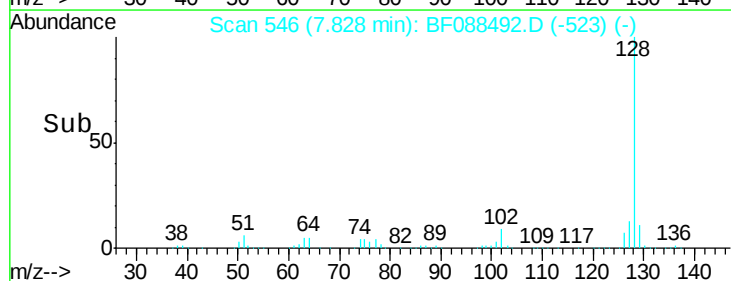
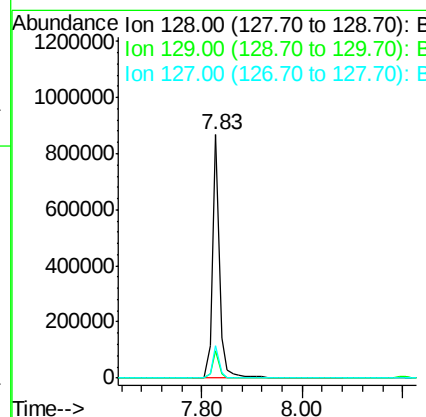
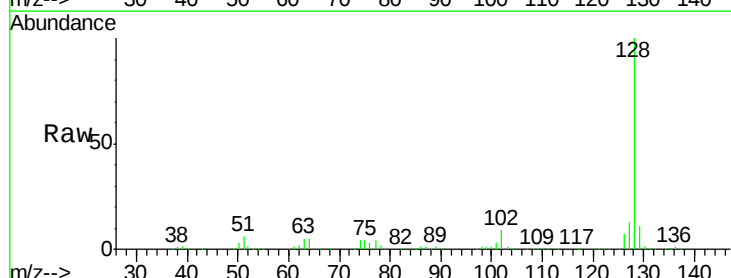
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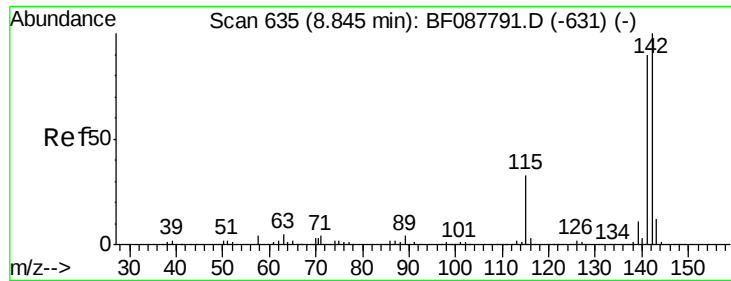
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#31
Naphthalene
Concen: 40.73 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.4	14.2
127	13.4	10.9	16.3





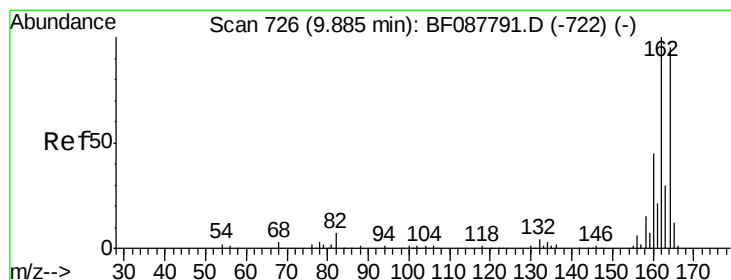
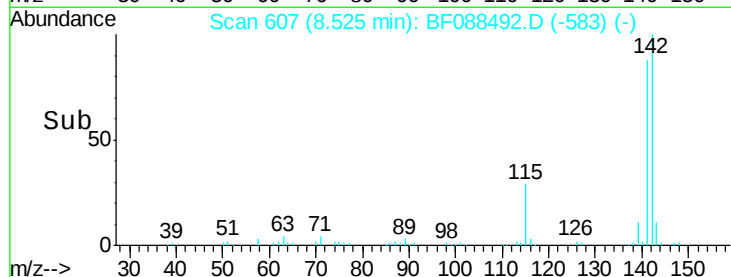
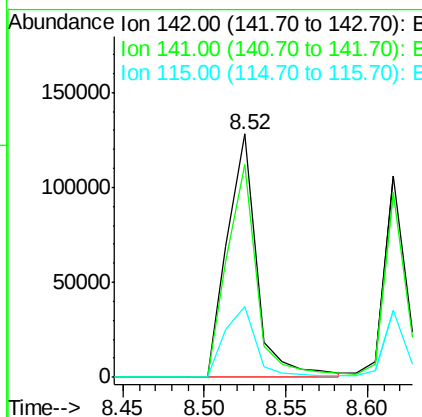
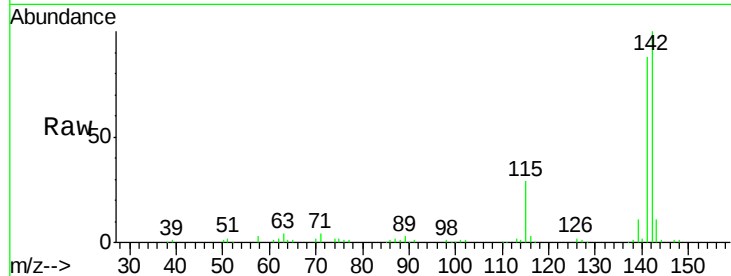
#37
2-Methylnaphthalene
Concen: 11.72 ng
RT: 8.52 min Scan# 607
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.0	106.6
115	28.8	22.6	33.8

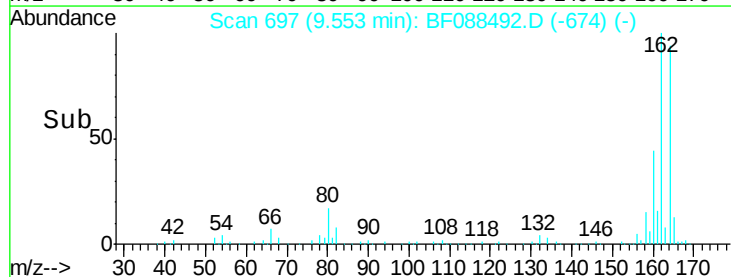
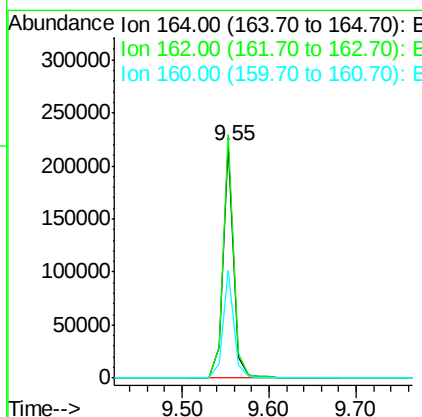
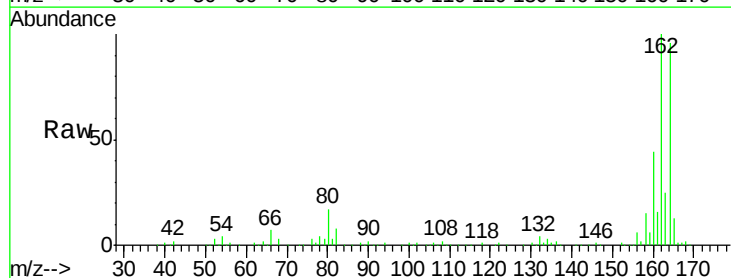
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	85.4	128.2
160	46.2	39.5	59.3





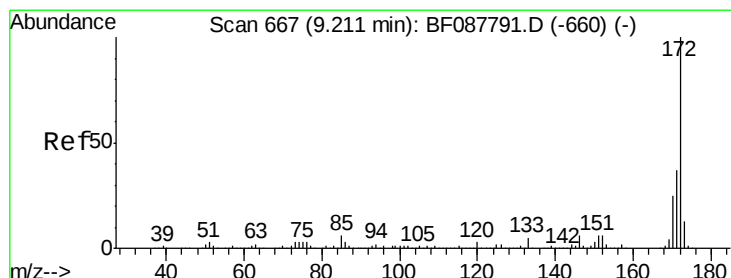
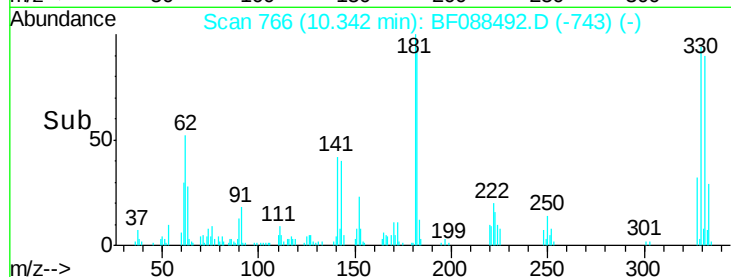
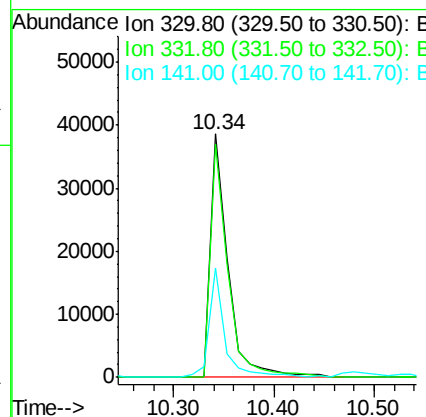
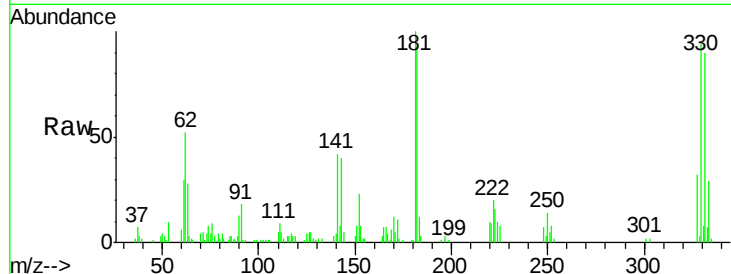
#41
 2,4,6-Tribromophenol
 Concen: 23.30 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.03 min
 Lab File: BF088492.D
 Acq: 28 Jun 2016 21:35

Instrument :
 BNA_F
 ClientSampled :
 TP-9DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	46824		
332	96.0	0.0	0.0	0.0#
141	40.0	0.0	0.0	0.0#

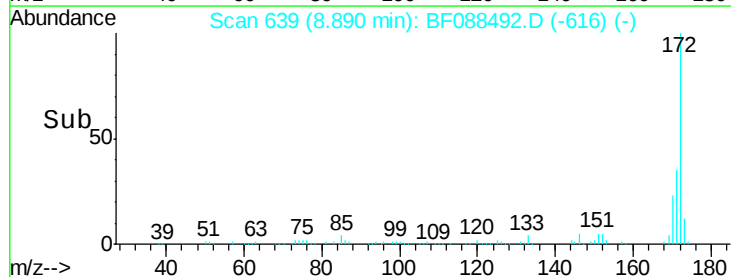
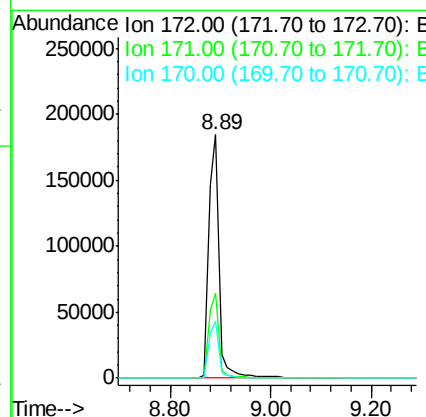
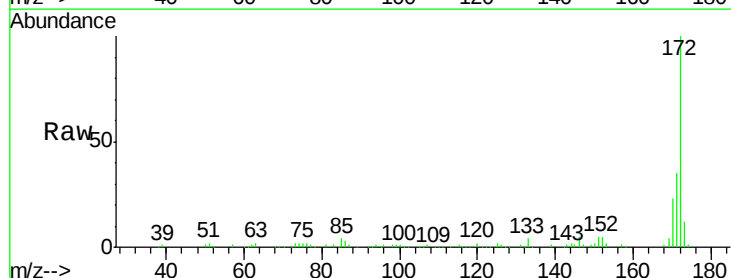
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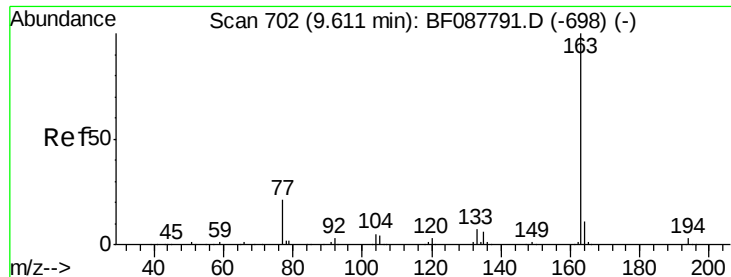
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#44
 2-Fluorobiphenyl
 Concen: 17.42 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.03 min
 Lab File: BF088492.D
 Acq: 28 Jun 2016 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	264353		
171	34.7	28.6	43.0	
170	23.2	19.2	28.8	





#49

Dimethylphthalate

Concen: 2.42 ng

RT: 9.29 min Scan# 674

Delta R.T. -0.05 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

Instrument :

BNA_F

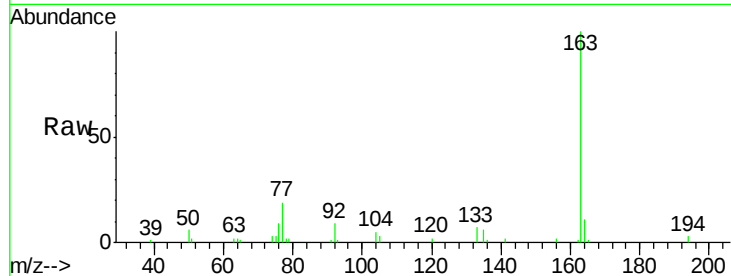
ClientSampleId :

TP-9DL

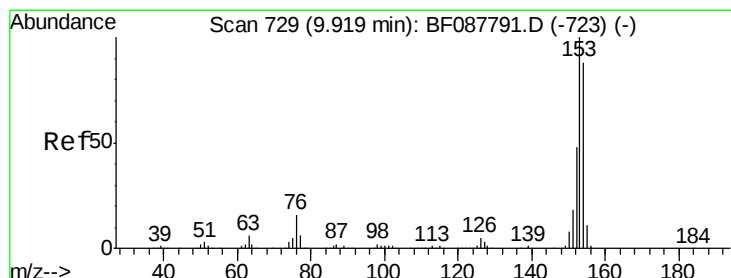
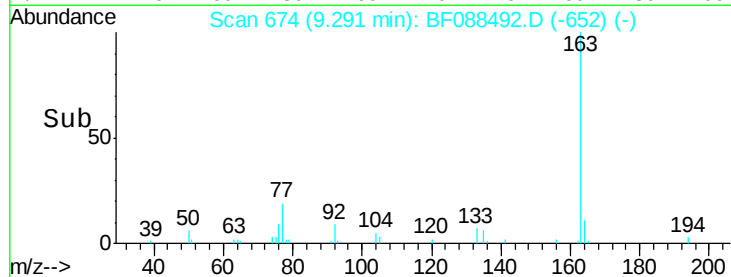
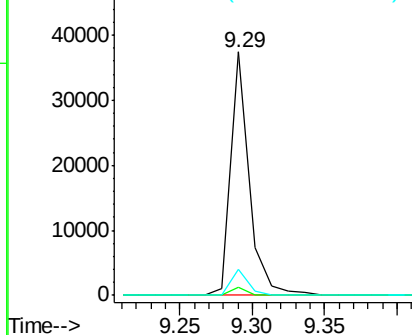
Tot Ion:	163	Resp:	33338
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.8	4.2
164	10.6	8.3	12.5

Manual Integrations
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 19.27 ng

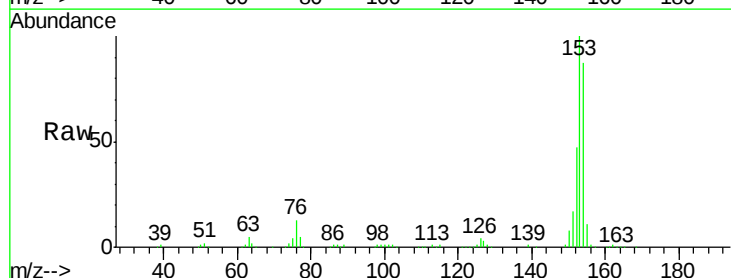
RT: 9.59 min Scan# 700

Delta R.T. -0.03 min

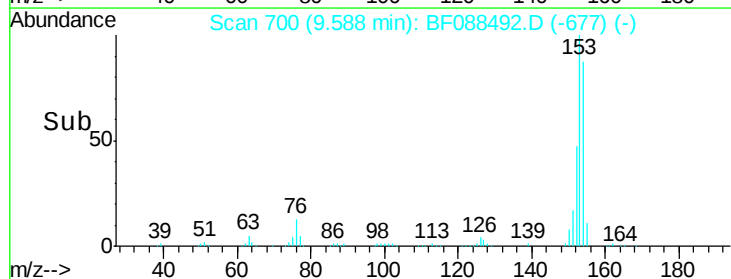
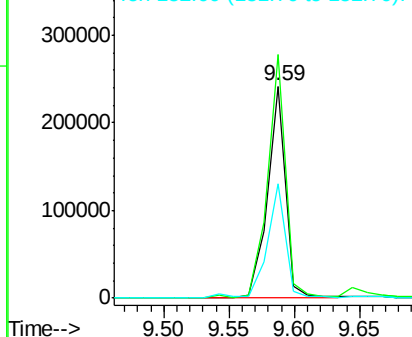
Lab File: BF088492.D

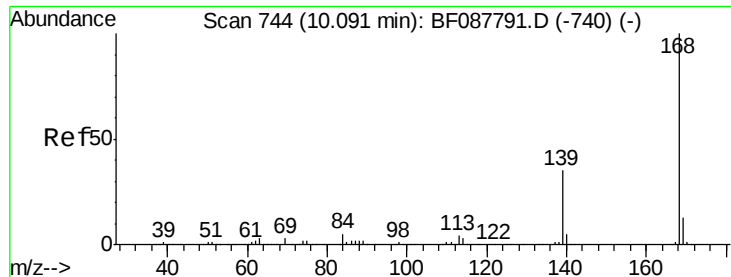
Acq: 28 Jun 2016 21:35

Tgt Ion:	154	Resp:	235527
Ion Ratio	Lower	Upper	
154	100		
153	114.7	89.5	134.3
152	53.8	42.7	64.1



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





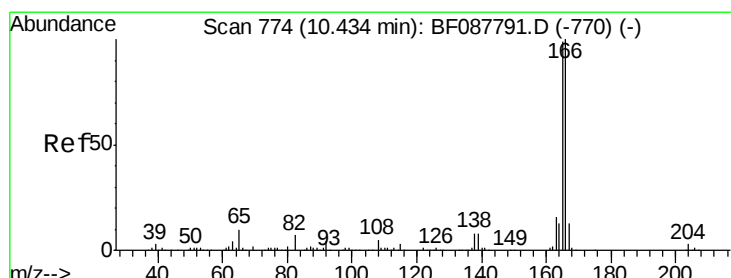
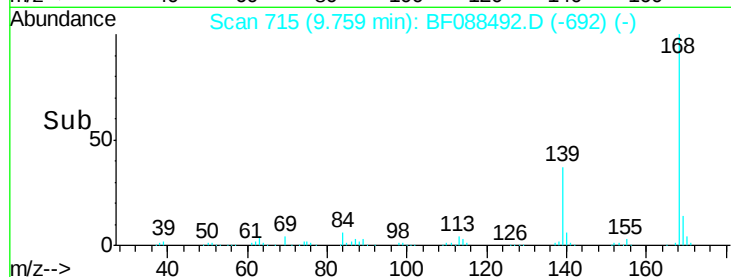
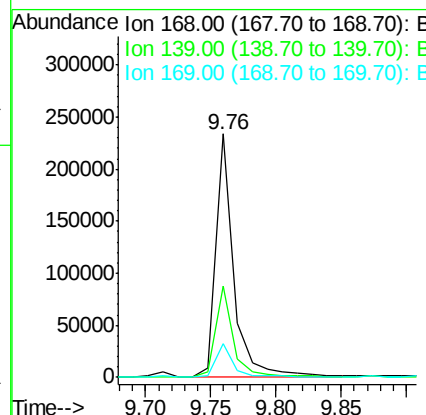
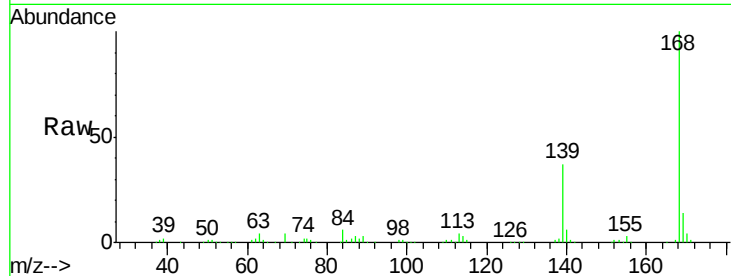
#54
Dibenzofuran
Concen: 13.59 ng
RT: 9.76 min Scan# 715
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.3	26.4	39.6
169	13.6	10.4	15.6

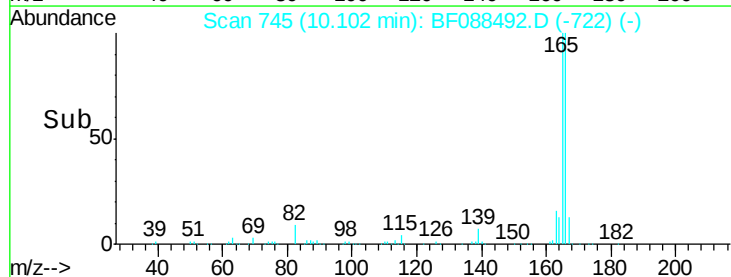
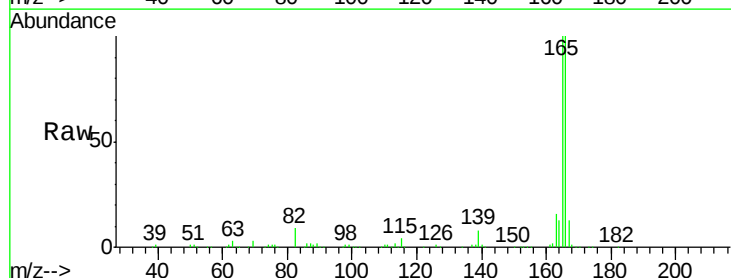
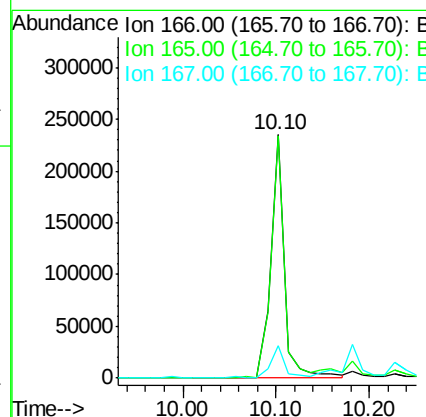
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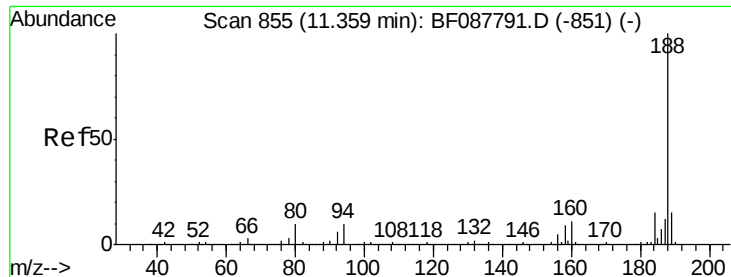
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#57
Fluorene
Concen: 18.45 ng
RT: 10.10 min Scan# 745
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.6	77.8	116.8
167	13.4	11.2	16.8





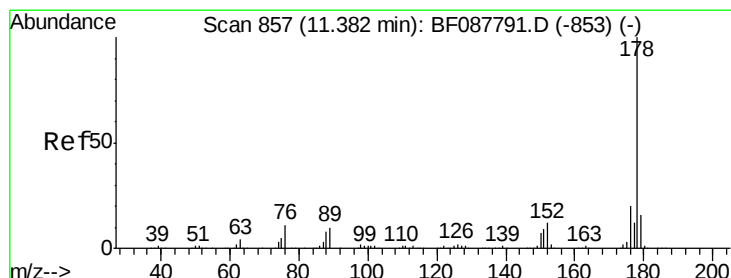
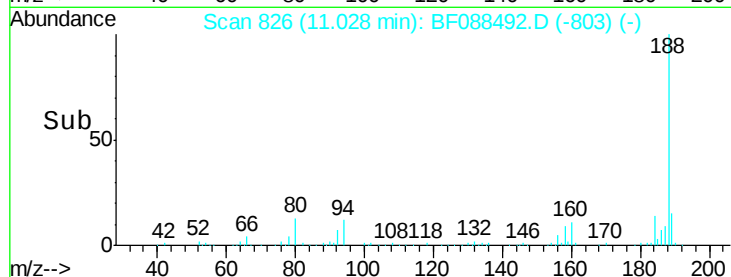
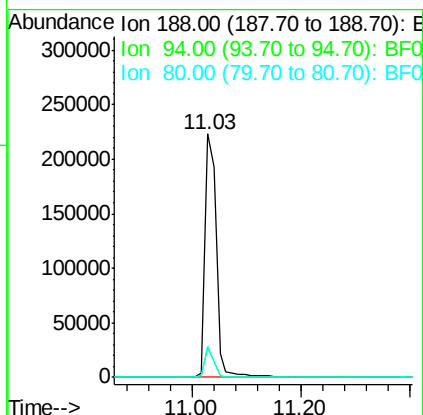
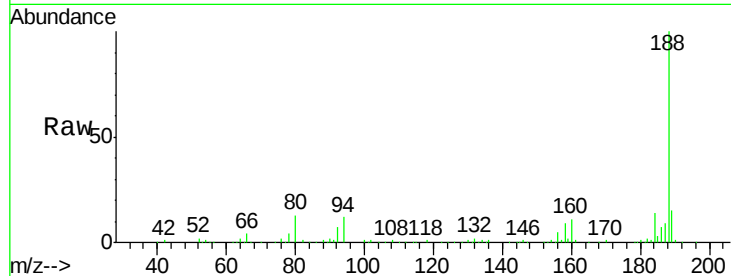
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	319289		
94	12.3		9.0	13.6
80	12.6		10.0	15.0

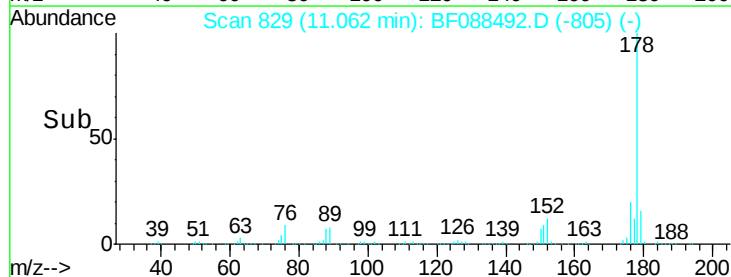
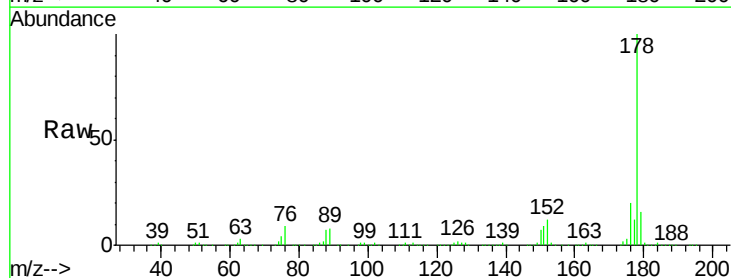
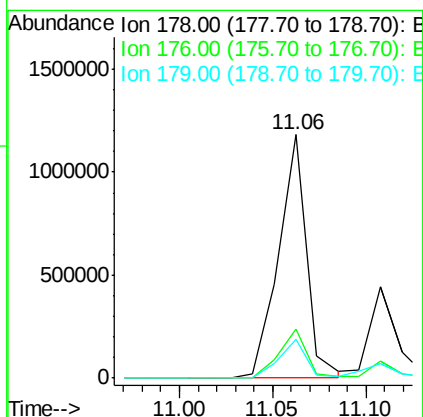
Manual Integrations
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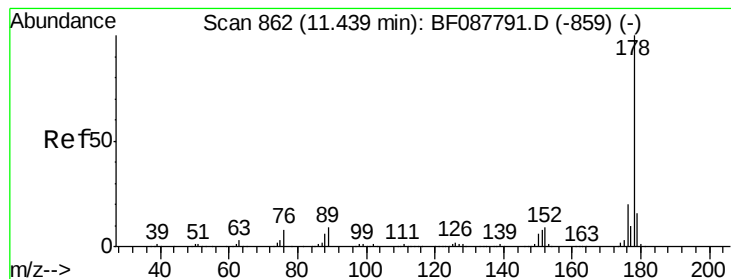
umangi
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#70
Phenanthrene
Concen: 73.38 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1229388		
176	20.0		15.8	23.6
179	15.9		13.0	19.4





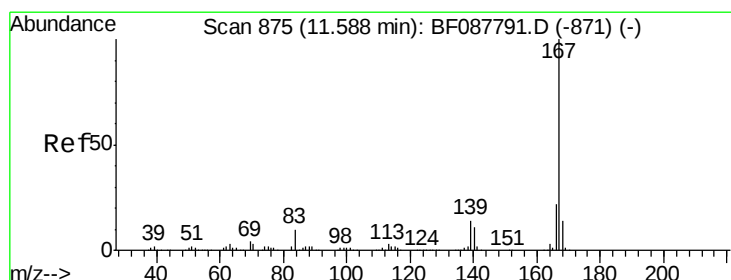
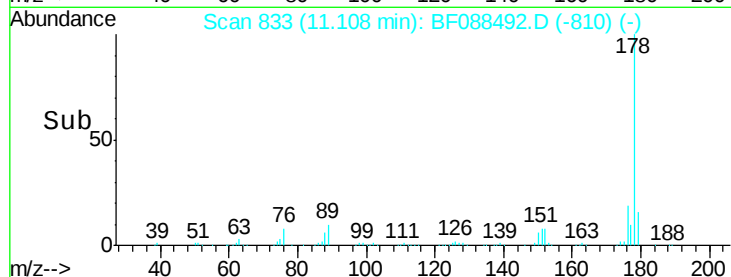
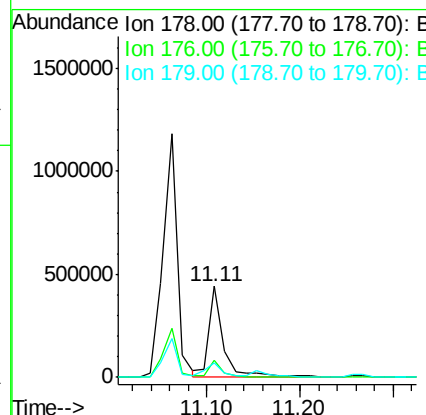
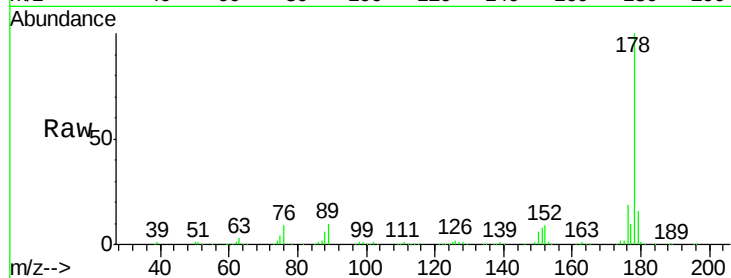
#71
 Anthracene
 Concen: 27.99 ng
 RT: 11.11 min Scan# 833
 Delta R.T. -0.03 min
 Lab File: BF088492.D
 Acq: 28 Jun 2016 21:35

Instrument :
 BNA_F
 ClientSampleId :
 TP-9DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	16.3	12.8	19.2

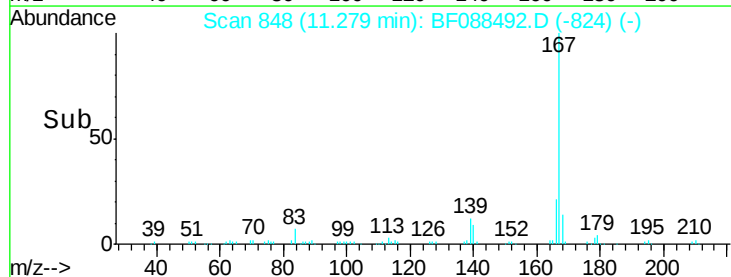
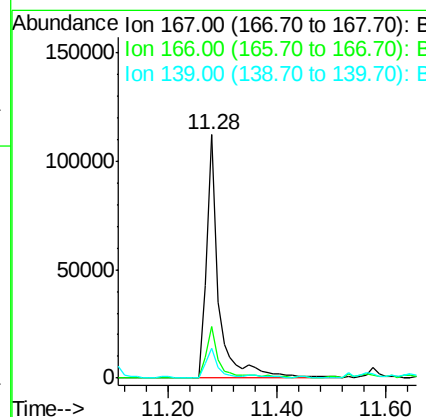
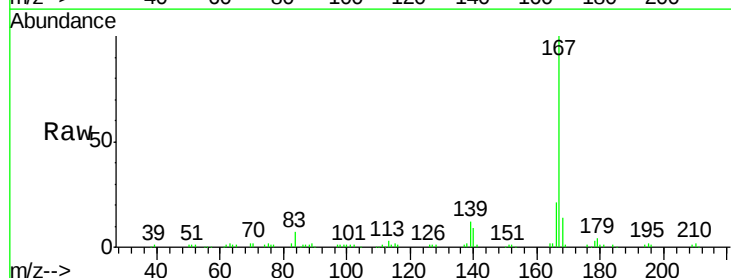
Manual Integrations
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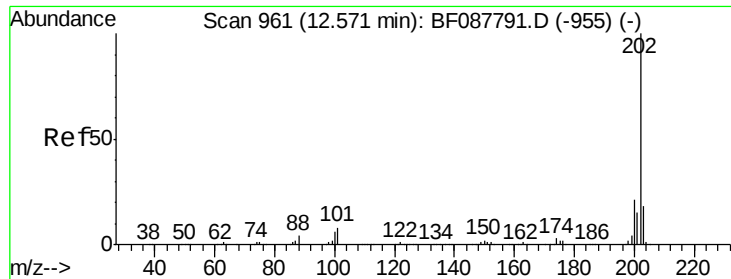
umangi
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#72
 Carbazole
 Concen: 11.05 ng
 RT: 11.28 min Scan# 848
 Delta R.T. -0.02 min
 Lab File: BF088492.D
 Acq: 28 Jun 2016 21:35

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.8	26.6
139	12.2	11.2	16.8





#74

Fluoranthene

Concen: 51.63 ng

RT: 12.24 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

Instrument :

BNA_F

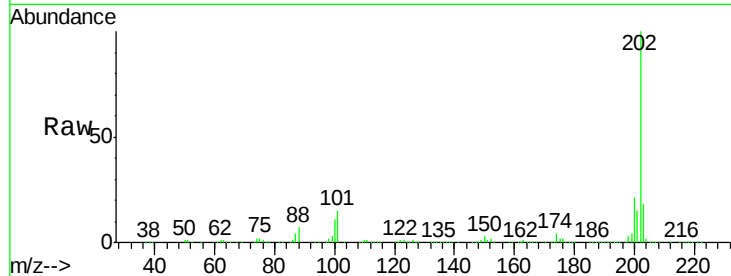
ClientSampled :

TP-9DL

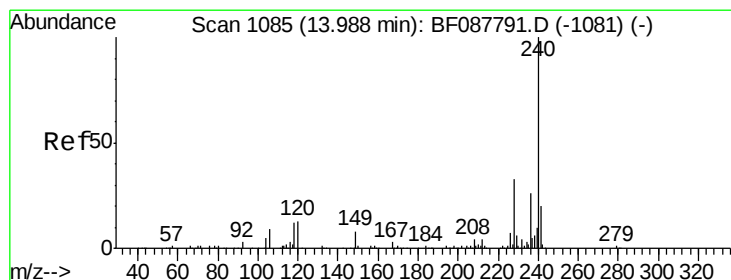
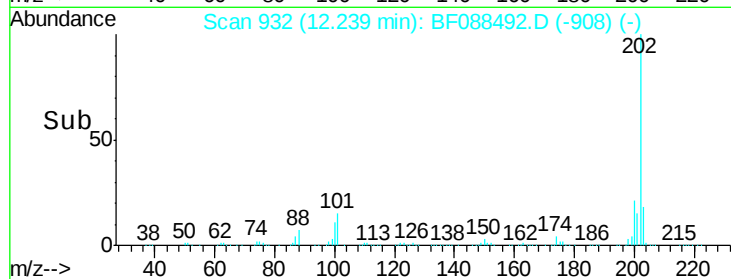
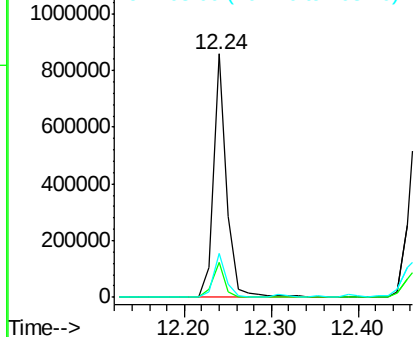
Tot Ion:	202	Resp:	912888
Ion Ratio	Lower	Upper	
202	100		
101	14.6	0.0	33.1
203	18.2	0.0	38.1

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.67 min Scan# 1057

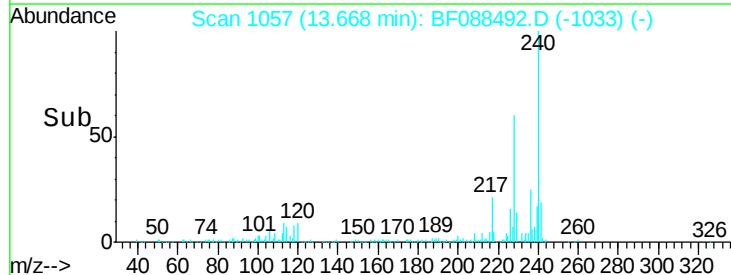
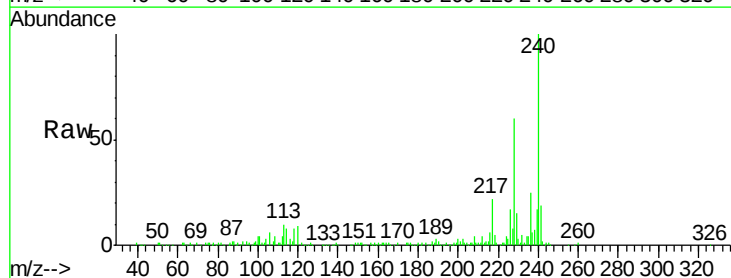
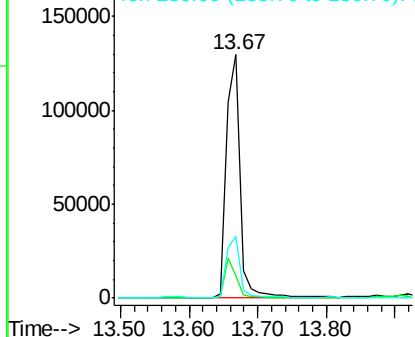
Delta R.T. -0.02 min

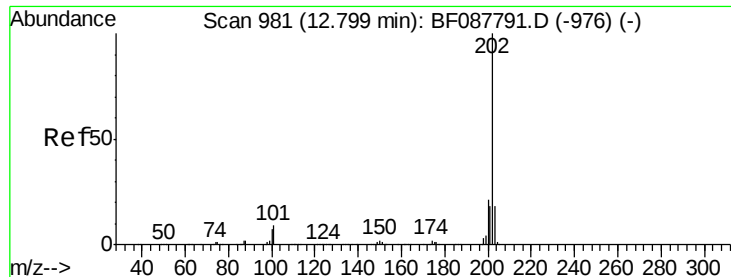
Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

Tgt Ion:	240	Resp:	186952
Ion Ratio	Lower	Upper	
240	100		
120	9.0	6.8	10.2
236	25.2	20.2	30.2

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





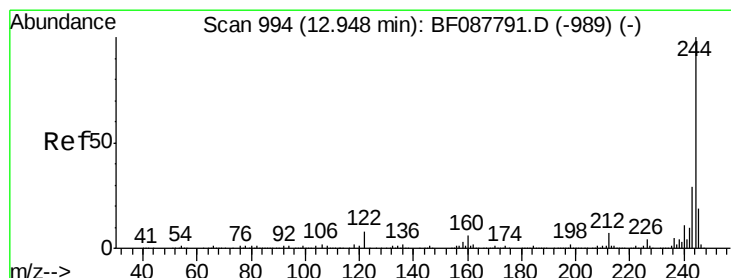
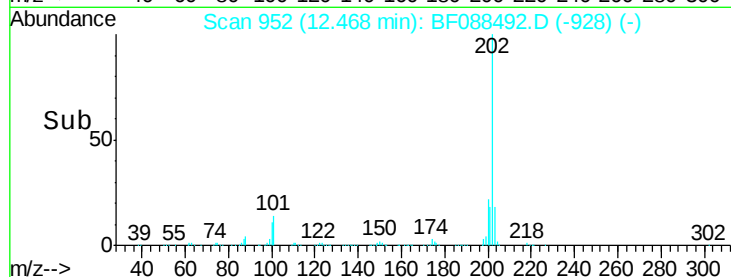
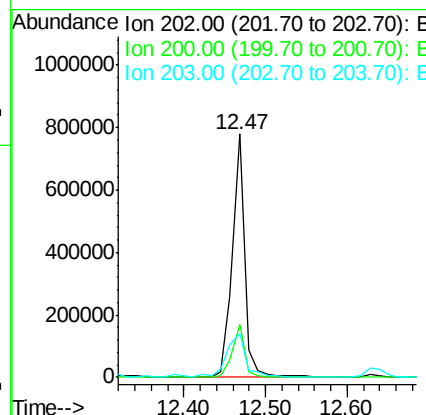
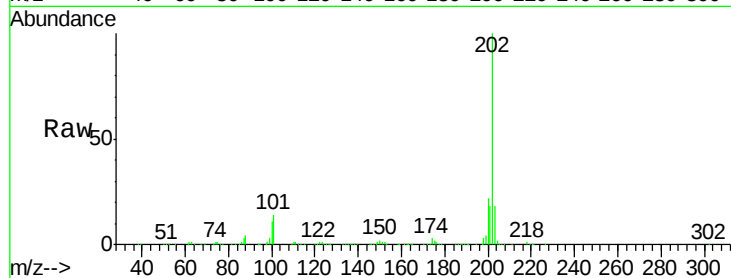
#77
Pvrene
Concen: 58.54 ng
RT: 12.47 min Scan# 952
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampled :
TP-9DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.3	14.5	21.7

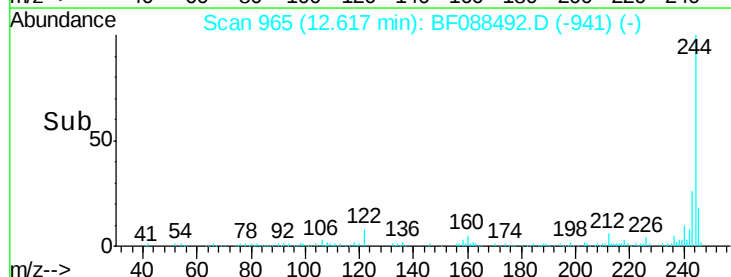
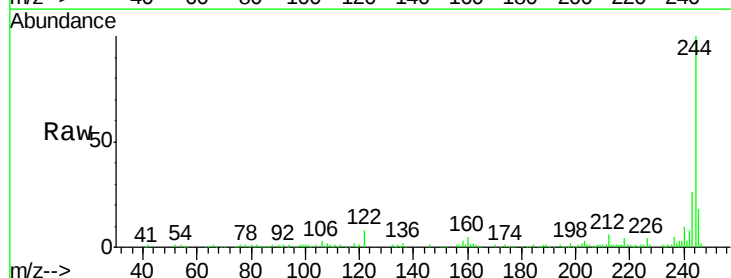
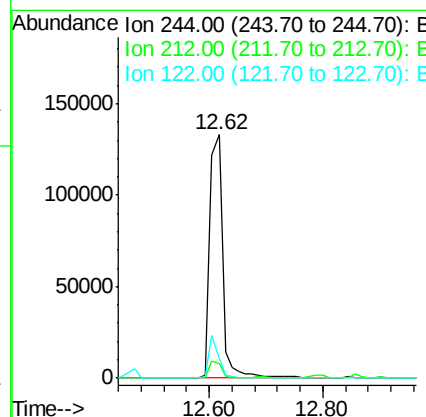
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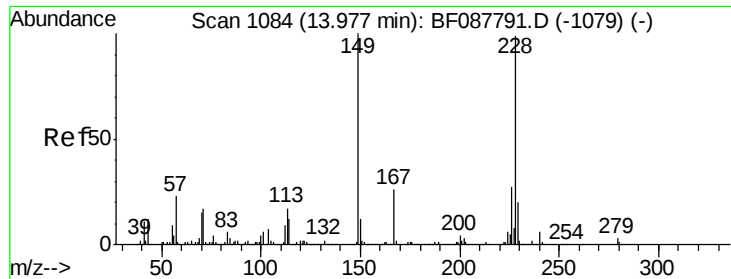
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#78
Terphenyl-d14
Concen: 24.52 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	6.0	9.0
122	8.1	11.2	16.8#





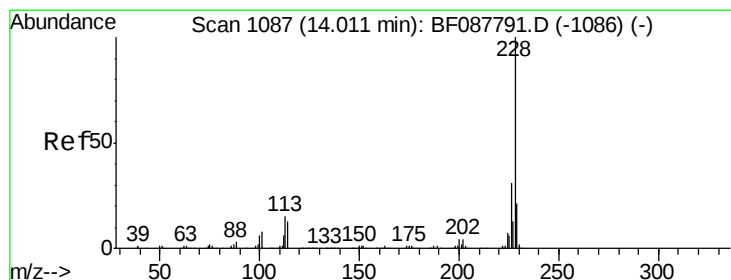
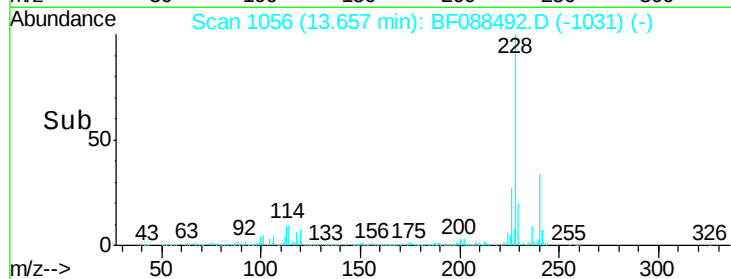
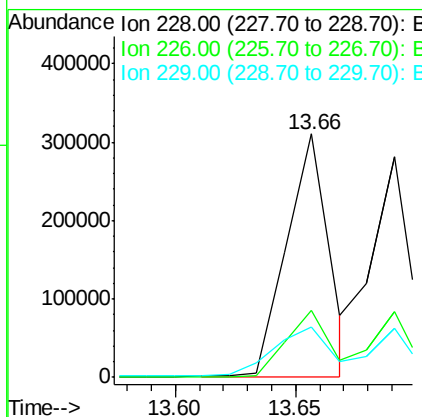
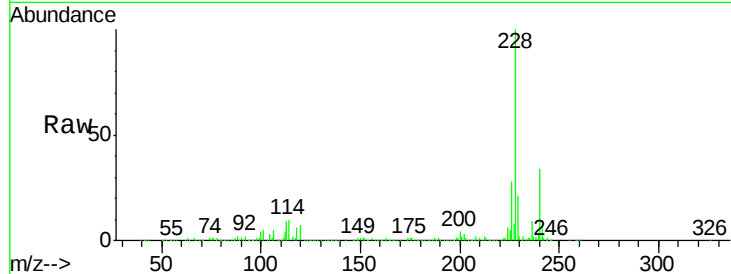
#80
Benzo(a)anthracene
Concen: 35.74 ng m
RT: 13.66 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.3	33.5
229	20.7	16.0	24.0

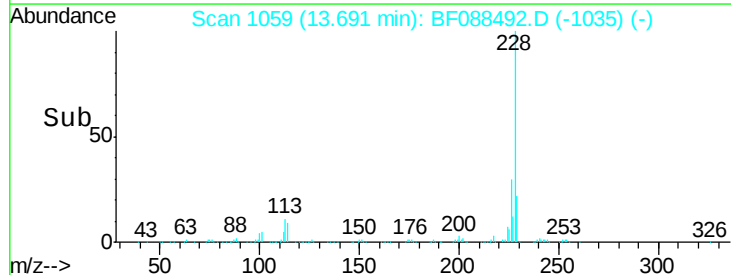
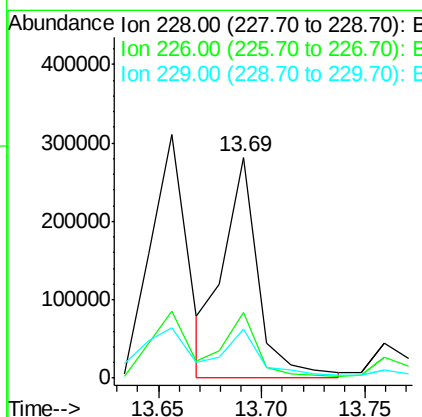
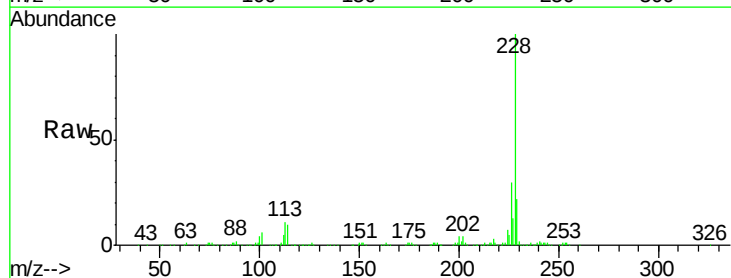
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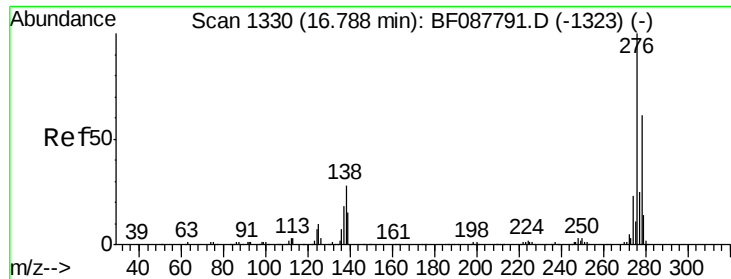
umangi
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#82
Chrysene
Concen: 32.80 ng m
RT: 13.69 min Scan# 1059
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.4	38.2
229	22.2	16.3	24.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 18.38 ng

RT: 16.24 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

Instrument :

BNA_F

ClientSampled :

TP-9DL

Tot Ion:276 Resp: 171189

Ion Ratio Lower Upper

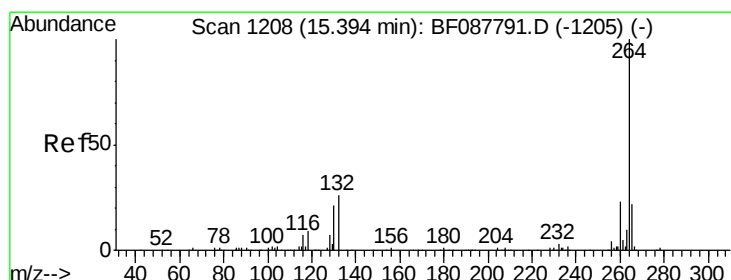
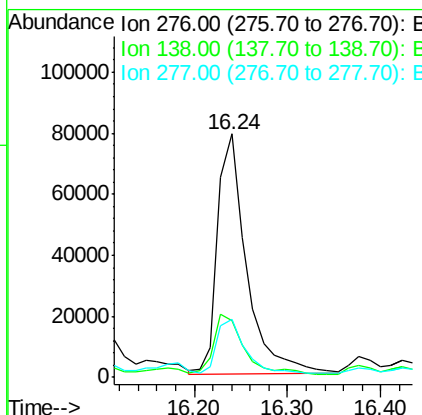
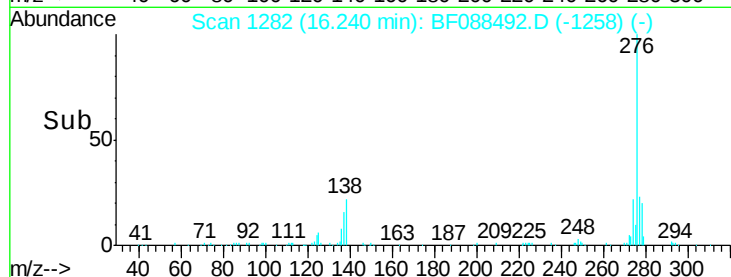
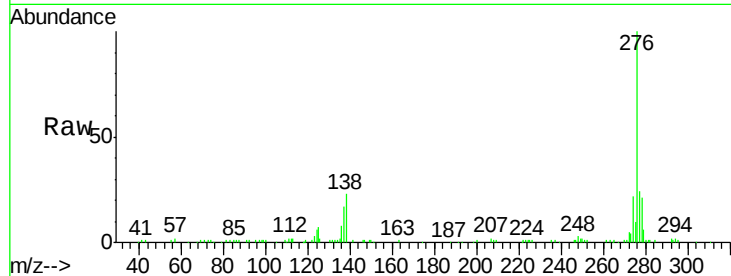
276 100

138 26.4 0.0 0.0#

277 22.1 0.0 0.0#

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#86

Perylene-d12

Concen: 20.00 ng

RT: 15.02 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

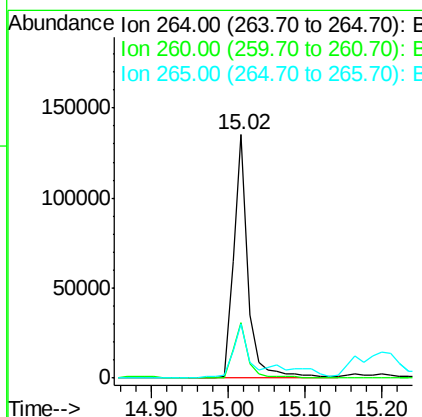
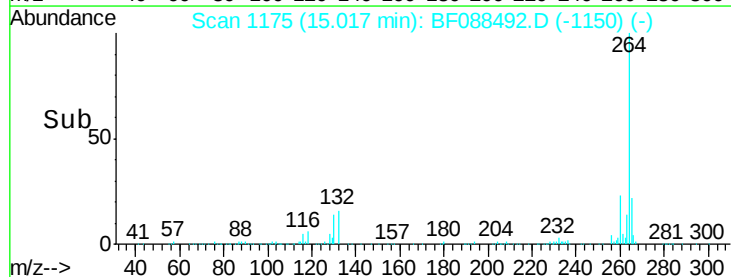
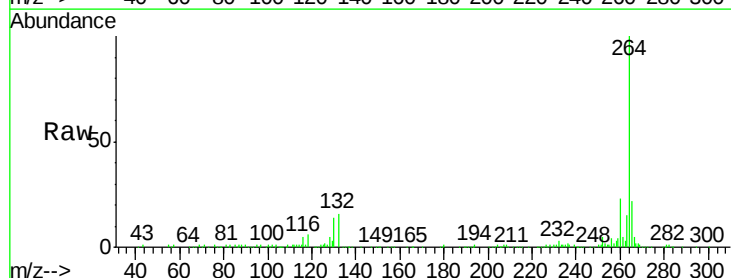
Tgt Ion:264 Resp: 182738

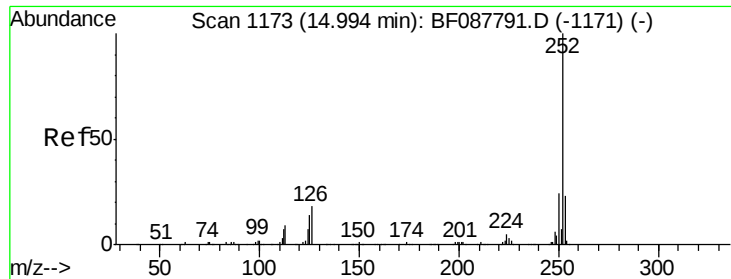
Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 22.3 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 31.99 ng m

RT: 14.66 min Scan# 1144

Delta R.T. -0.01 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

Instrument :

BNA_F

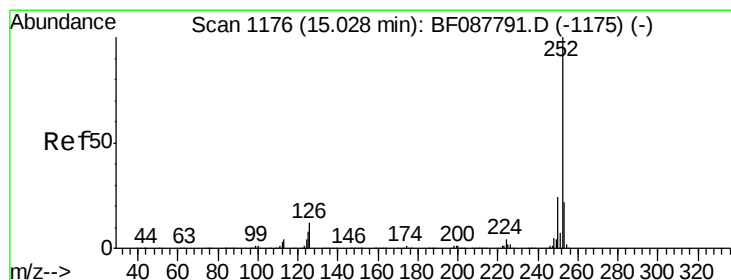
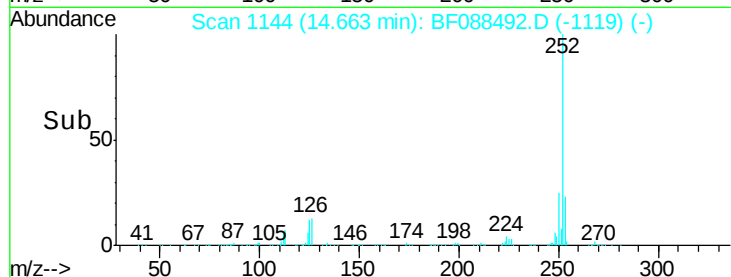
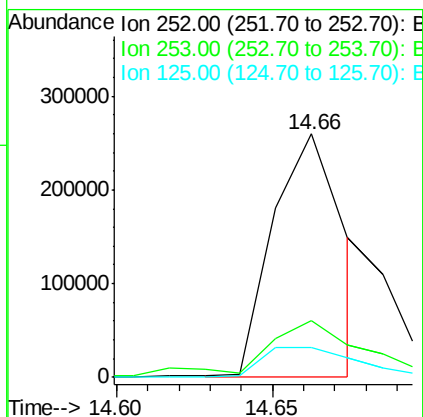
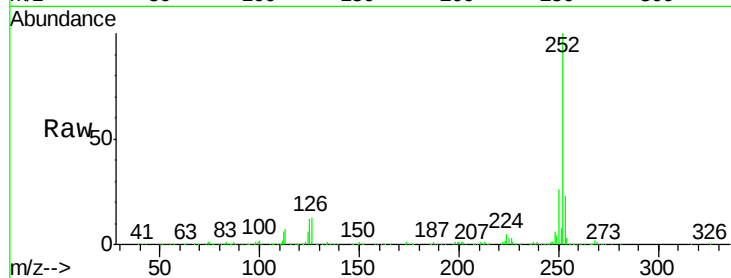
ClientSampleId :

TP-9DL

Tot Ion:	252	Resp:	407470
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.2
125	12.4	7.1	10.7

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#88

Benzo(k)fluoranthene

Concen: 10.85 ng m

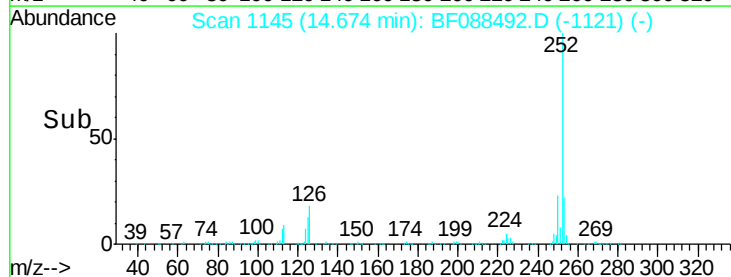
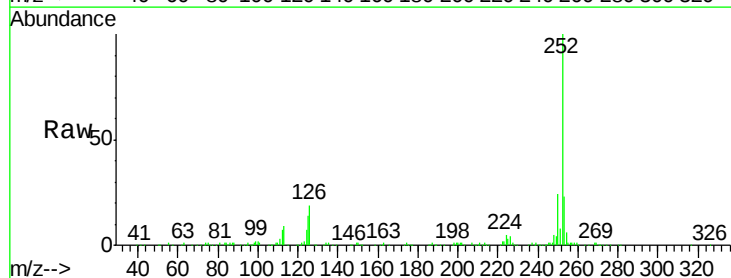
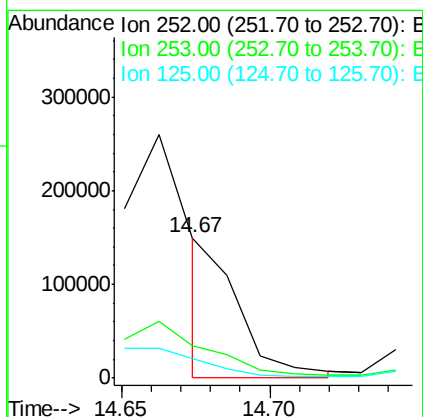
RT: 14.67 min Scan# 1145

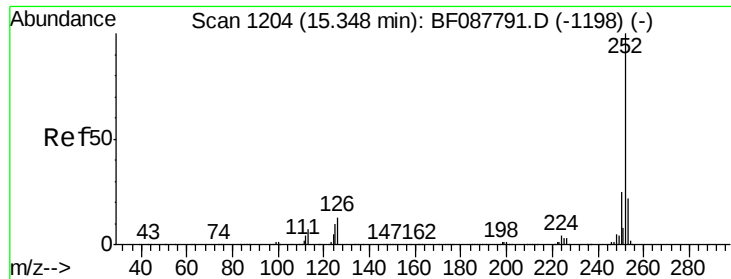
Delta R.T. -0.02 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

Tgt Ion:	252	Resp:	104293
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.0	27.0
125	13.7	11.2	16.8





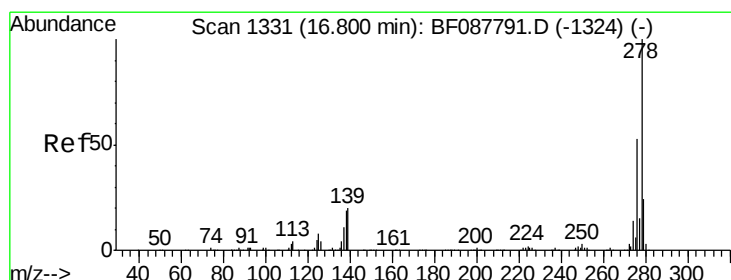
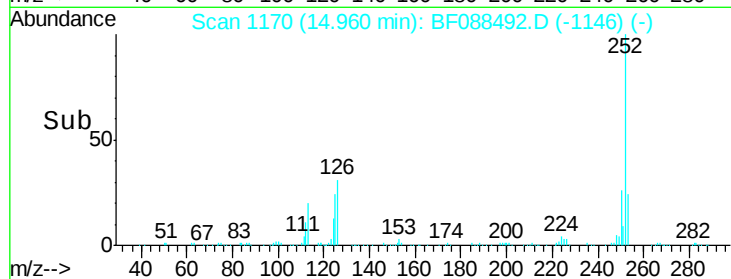
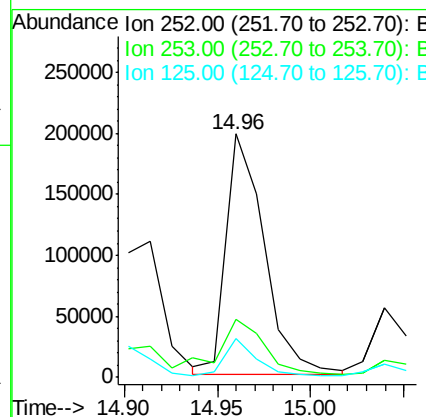
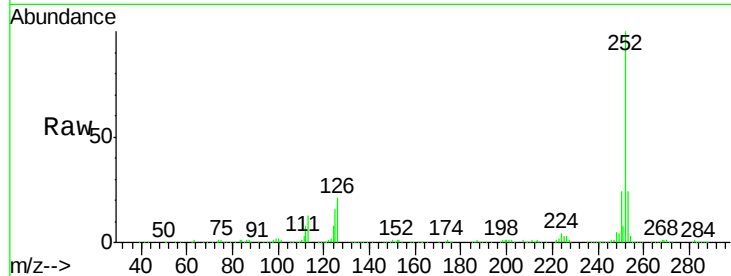
#89
Benzo(a)pyrene
Concen: 27.74 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
Client Sampled :
TP-9DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	15.9	12.5	18.7

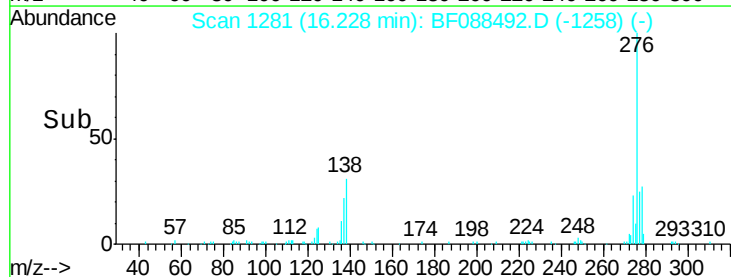
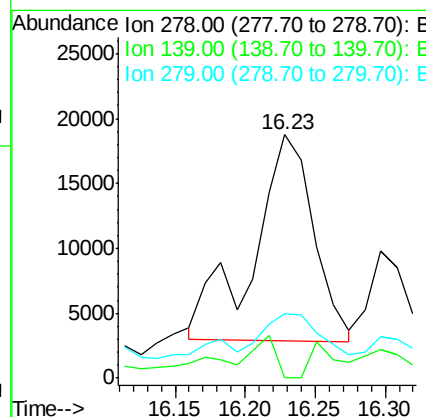
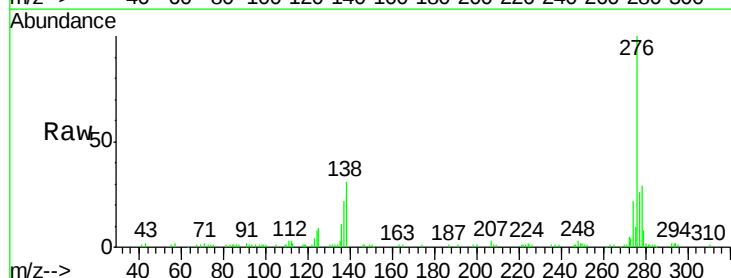
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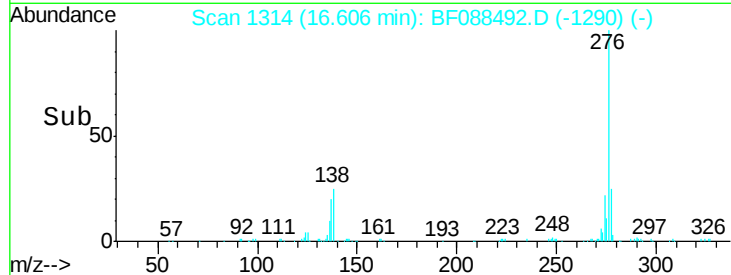
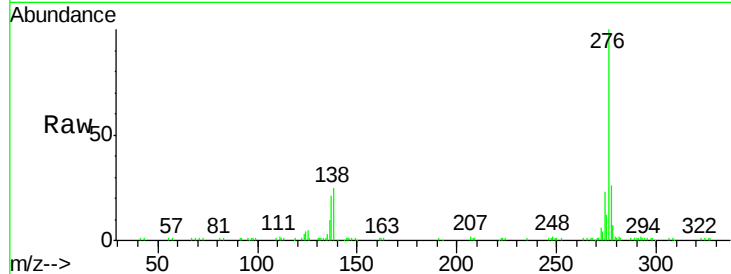
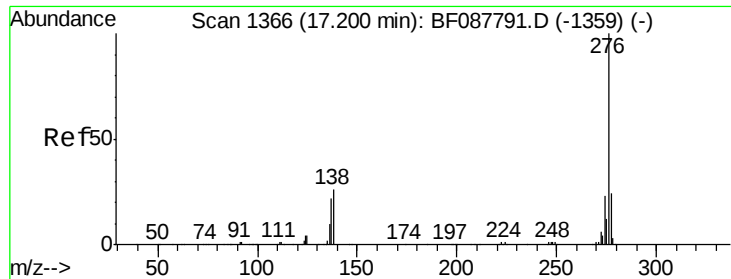
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#90
Dibenzo(a,h)anthracene
Concen: 4.96 ng m
RT: 16.23 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	26.4	19.4	29.2





#91
 Benzo(a,h,i)perylene
 Concen: 15.72 ng
 RT: 16.61 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: BF088492.D
 Acq: 28 Jun 2016 21:35

Instrument :
 BNA_F
 ClientSampleId :
 TP-9DL

Tot Ion:	276	Resp:	154797
Ion Ratio	Lower	Upper	
276	100		
277	26.1	18.9	28.3
138	25.2	21.4	32.2

Manual Integrations
 APPROVED

umangi
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