

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088433.D
 Acq On : 26 Jun 2016 22:20
 Operator : UM/SJ
 Sample : H3663-10 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Manual Integrations
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Quant Time: Jun 27 18:49:55 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	78604	20.00	ng	-0.06
21) Naphthalene-d8	7.84	136	311952	20.00	ng	-0.06
38) Acenaphthene-d10	9.58	164	140406	20.00	ng	-0.07
63) Phenanthrene-d10	11.05	188	232711	20.00	ng	-0.07
75) Chrysene-d12	13.68	240	174162	20.00	ng	-0.07
86) Perylene-d12	15.03	264	153909	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	209312	45.52	ng	-0.05
7) Phenol-d6	6.22	99	268605	48.20	ng	-0.05
23) Nitrobenzene-d5	7.12	82	168773	31.59	ng	-0.06
41) 2,4,6-Tribromophenol	10.36	330	54371	36.67	ng	-0.07
44) 2-Fluorobiphenyl	8.91	172	331966	33.81	ng	-0.06
78) Terphenyl-d14	12.63	244	226827	29.64	ng	-0.07
Target Compounds						Qvalue
49) Dimethylphthalate	9.31	163	133455	13.12	ng	100
70) Phenanthrene	11.07	178	132732	10.87	ng	98
71) Anthracene	11.13	178	35896	2.91	ng	97
74) Fluoranthene	12.26	202	201152	15.61	ng	93
77) Pyrene	12.48	202	177188	13.71	ng	98
80) Benzo(a)anthracene	13.67	228	118514	11.94	ng	99
82) Chrysene	13.70	228	84799	9.08	ng	97
85) Indeno(1,2,3-cd)pyrene	16.25	276	55679	6.42	ng	# 100
87) Benzo(b)fluoranthene	14.67	252	145302m	13.55	ng	
88) Benzo(k)fluoranthene	14.69	252	46773m	5.78	ng	
89) Benzo(a)pyrene	14.98	252	96941m	11.17	ng	
91) Benzo(a,h,i)perylene	16.62	276	51958	6.27	ng	95

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

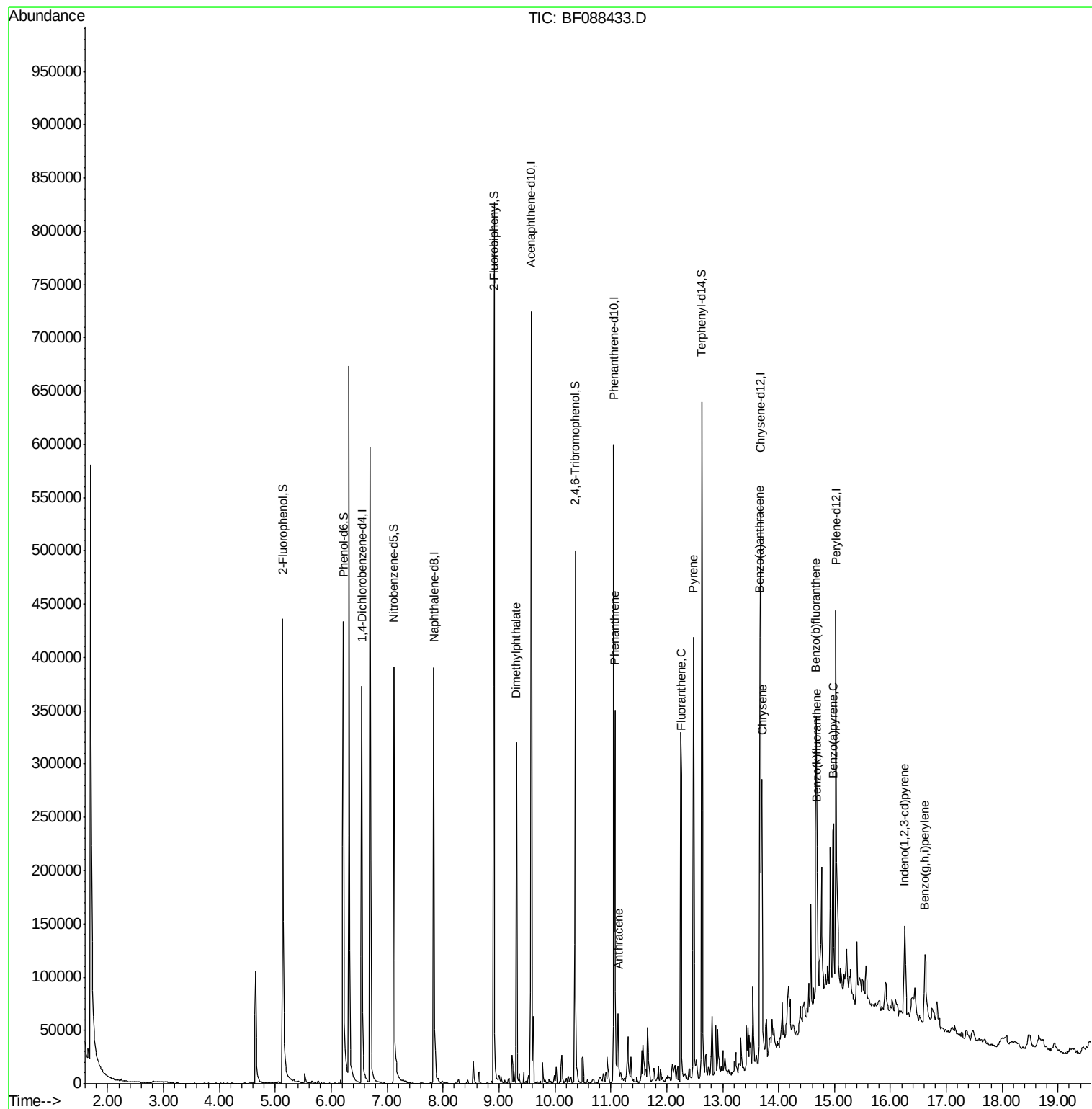
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
Data File : BF088433.D
Acq On : 26 Jun 2016 22:20
Operator : UM/SJ
Sample : H3663-10 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

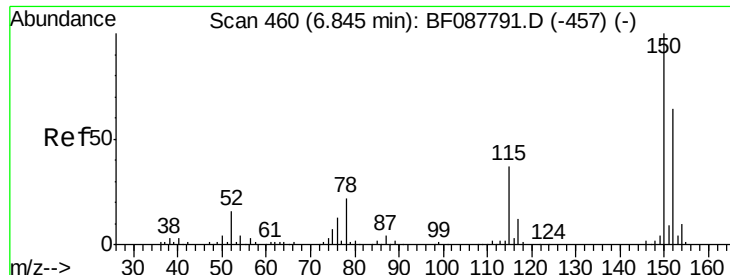
Instrument :
BNA_F
ClientSampleId :
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#1

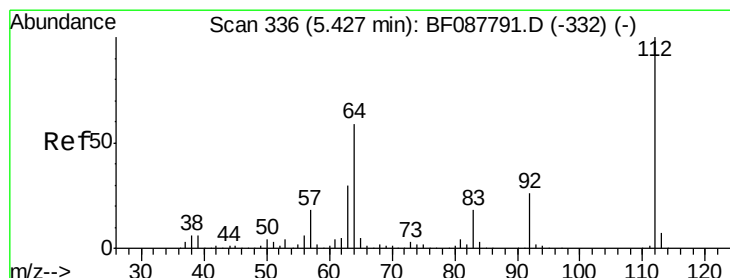
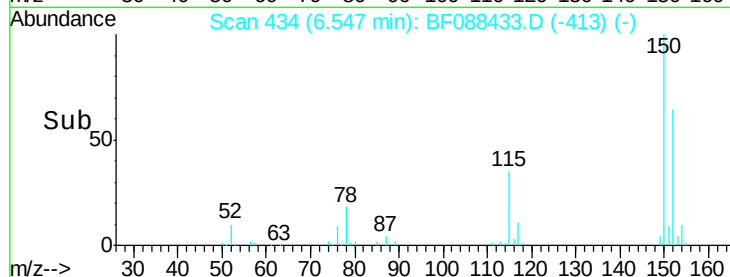
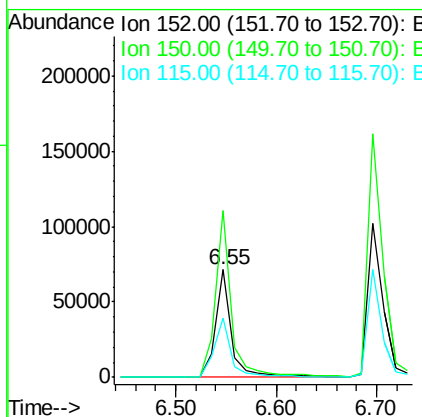
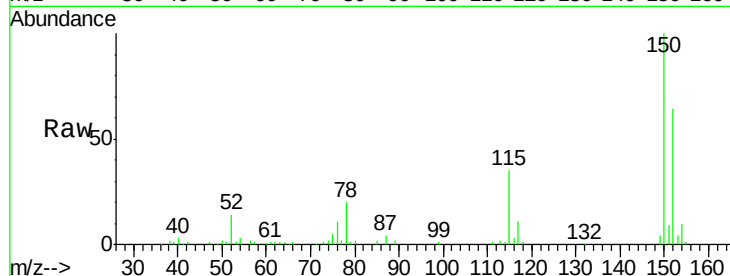
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 434
Delta R.T. -0.06 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	123.8	185.6
115	54.6	39.6	59.4

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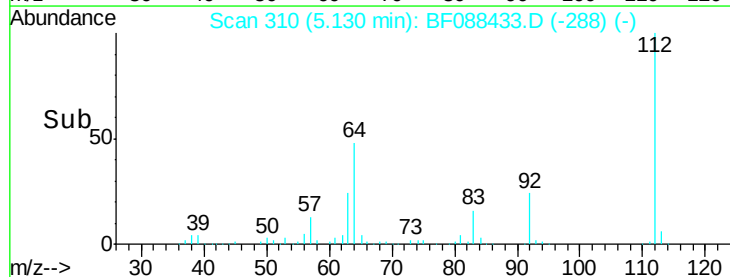
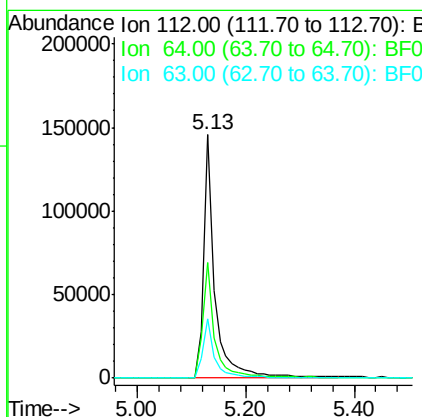
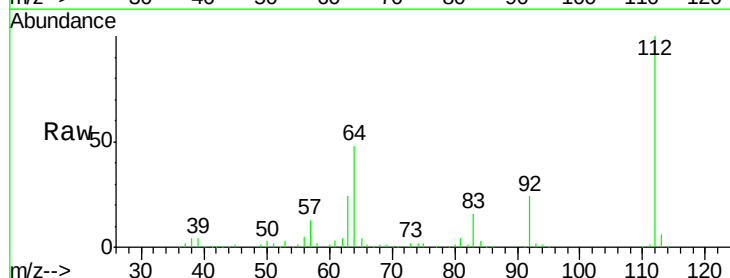
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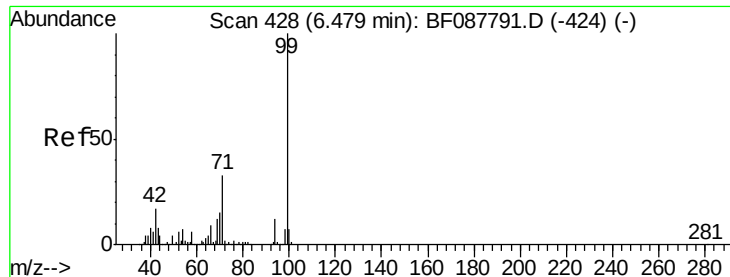


#5

2-Fluorophenol
Concen: 45.52 ng
RT: 5.13 min Scan# 310
Delta R.T. -0.05 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.6	42.2	63.2
63	24.1	21.8	32.8





#7

Phenol-d6

Concen: 48.20 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

Instrument :

BNA_F

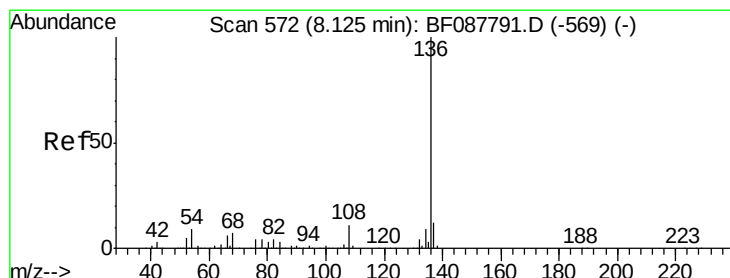
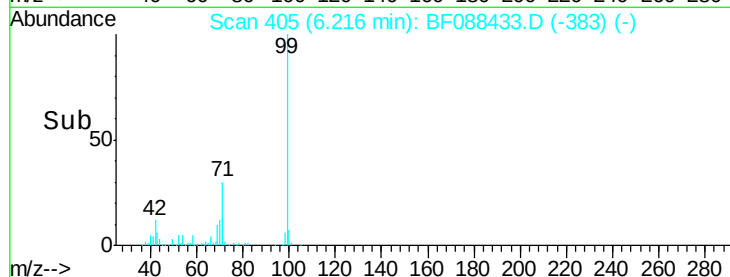
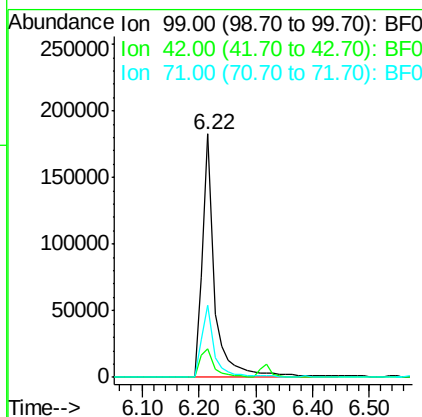
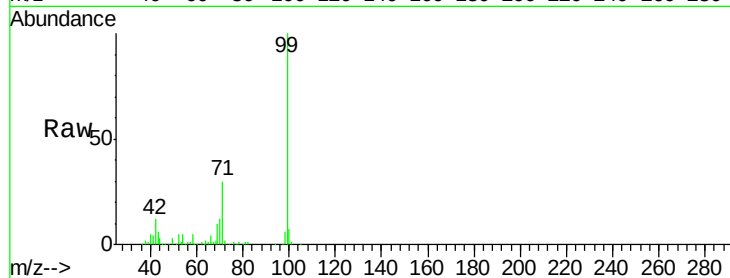
ClientSampled :

TP-4

Tot Ion:	99	Resp:	268605
Ion Ratio	Lower	Upper	
99	100		
42	11.9	12.2	18.2#
71	29.6	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

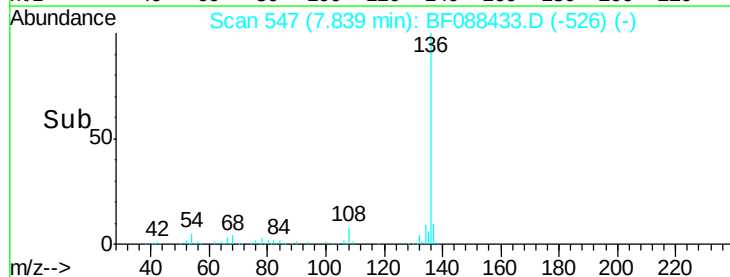
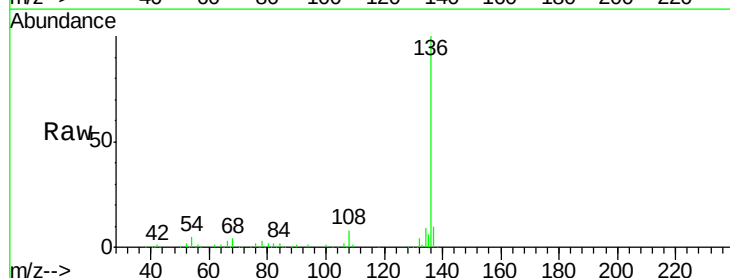
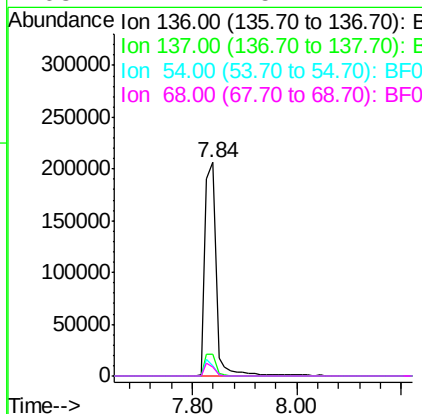
RT: 7.84 min Scan# 547

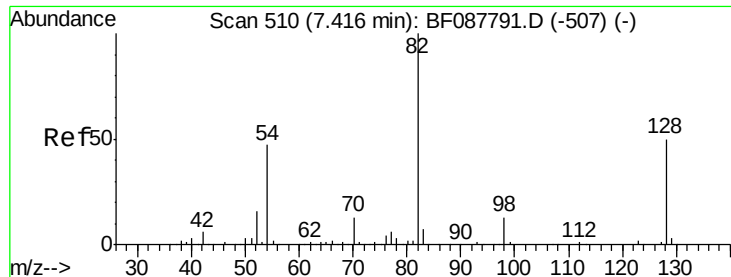
Delta R.T. -0.06 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

Tgt Ion:	136	Resp:	311952
Ion Ratio	Lower	Upper	
136	100		
137	10.3	9.1	13.7
54	4.6	6.6	10.0#
68	4.1	5.1	7.7#





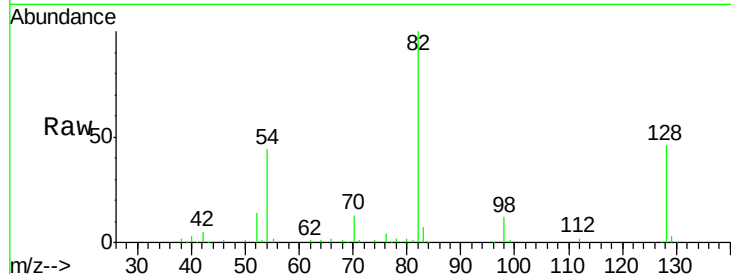
#23
 Nitrobenzene-d5
 Concen: 31.59 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.06 min
 Lab File: BF088433.D
 Acq: 26 Jun 2016 22:20

Instrument :
 BNA_F
 ClientSampled :
 TP-4

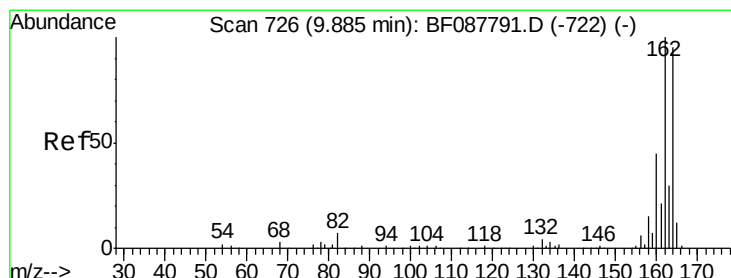
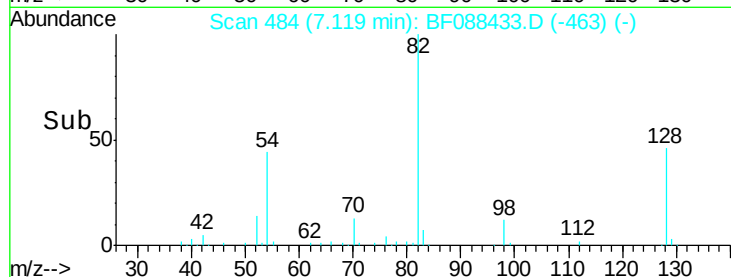
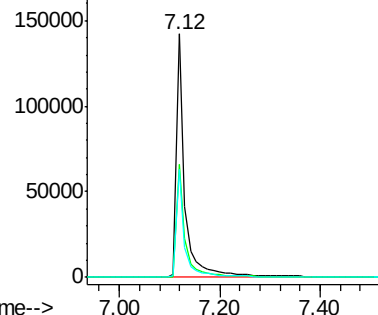
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	35.9	53.9
54	44.1	40.9	61.3

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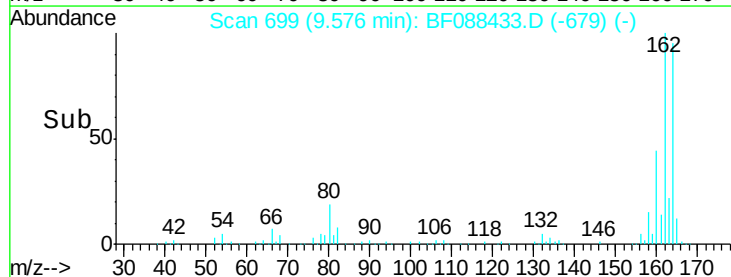
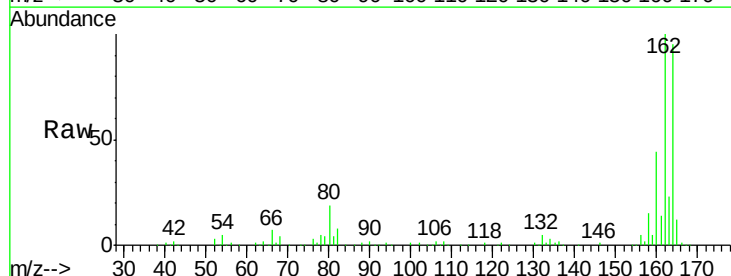
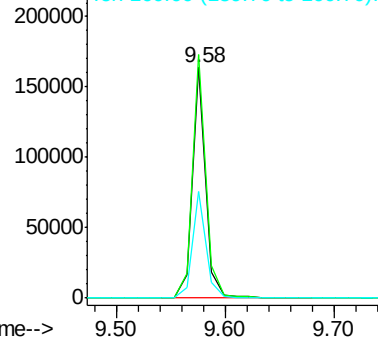
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

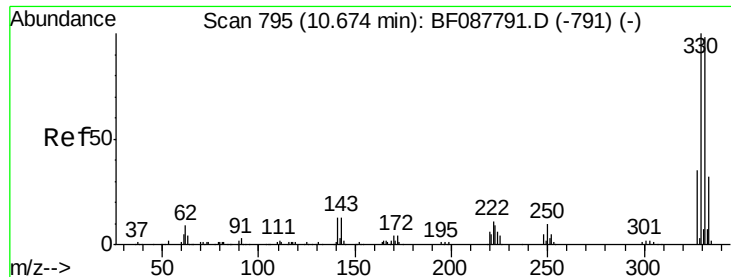


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.07 min
 Lab File: BF088433.D
 Acq: 26 Jun 2016 22:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.7	85.4	128.2
160	46.3	39.5	59.3

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





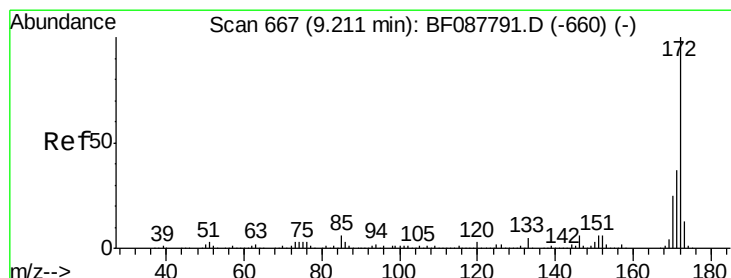
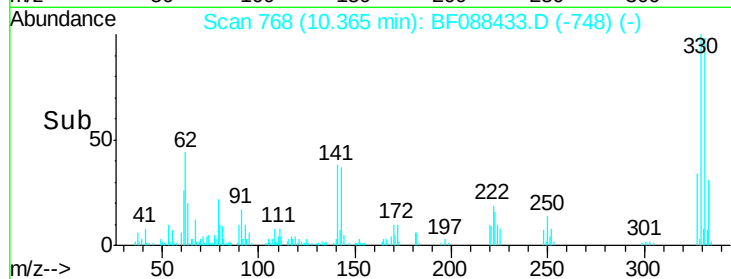
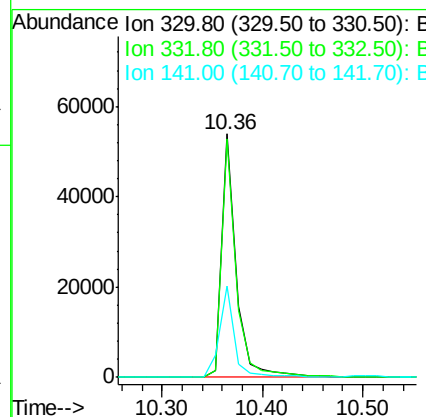
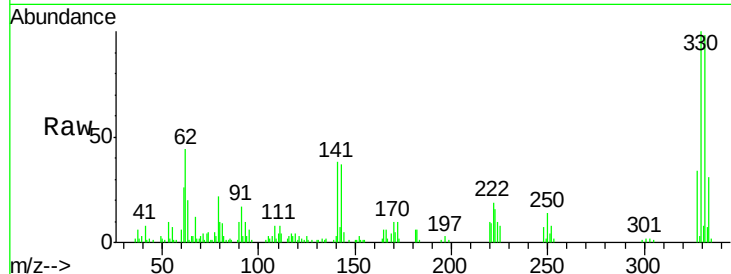
#41
 2,4,6-Tribromophenol
 Concen: 36.67 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.07 min
 Lab File: BF088433.D
 Acq: 26 Jun 2016 22:20

Instrument :
 BNA_F
 ClientSampled :
 TP-4

Tot Ion	Ratio	Resp	Lower	Upper
330	100	54371		
332	97.7	0.0	0.0	0.0
141	39.0	0.0	0.0	0.0

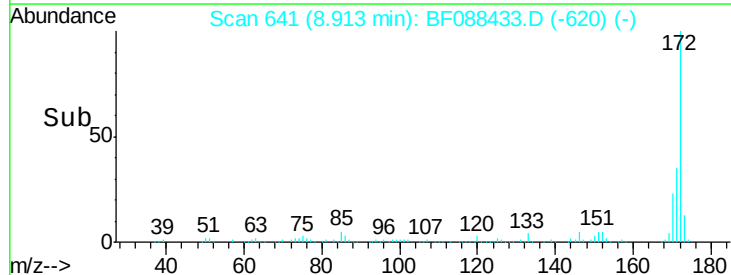
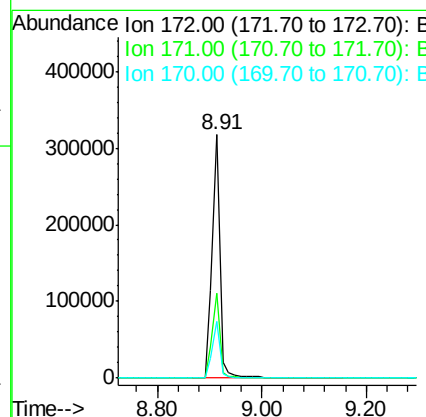
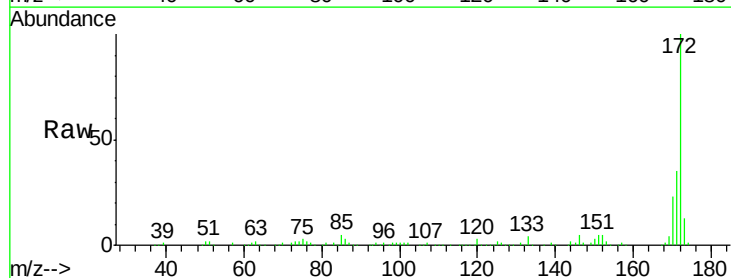
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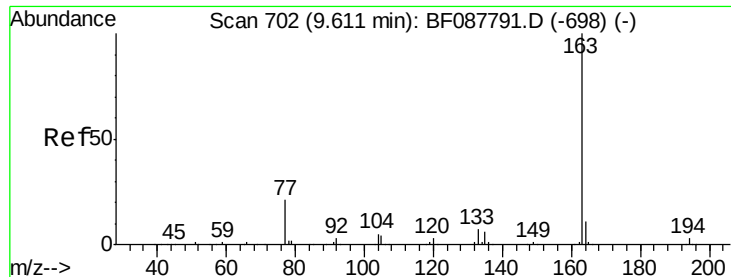
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#44
 2-Fluorobiphenyl
 Concen: 33.81 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.06 min
 Lab File: BF088433.D
 Acq: 26 Jun 2016 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	331966		
171	34.7	28.6	43.0	
170	23.3	19.2	28.8	





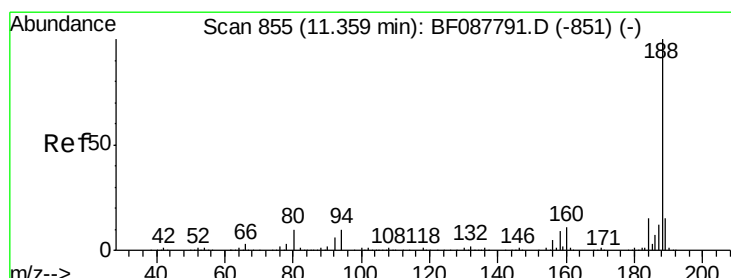
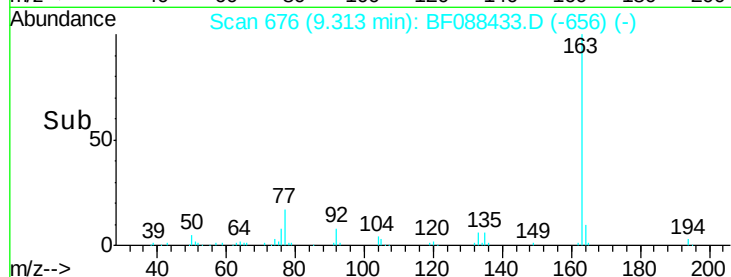
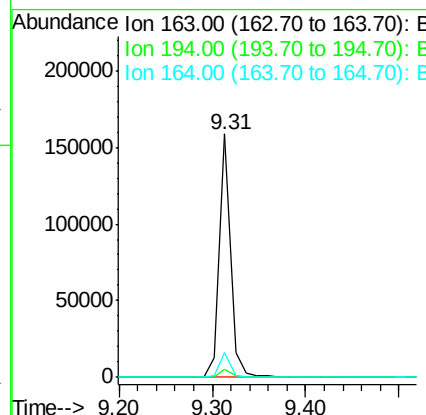
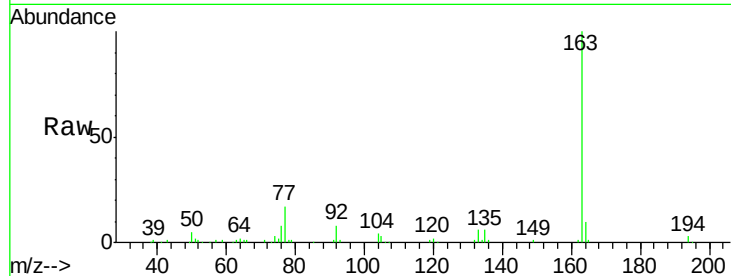
#49
Dimethylphthalate
Concen: 13.12 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.07 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	10.2	8.3	12.5

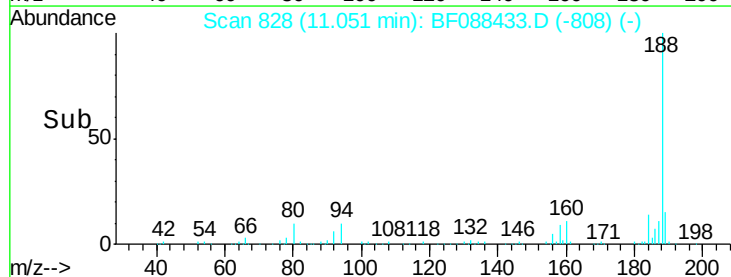
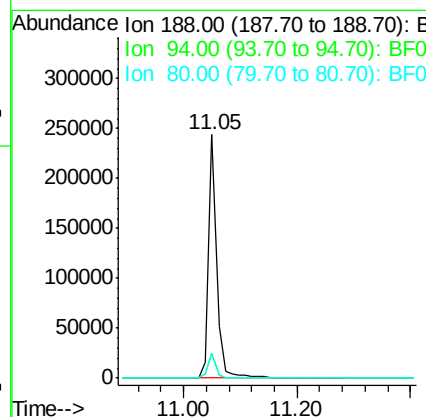
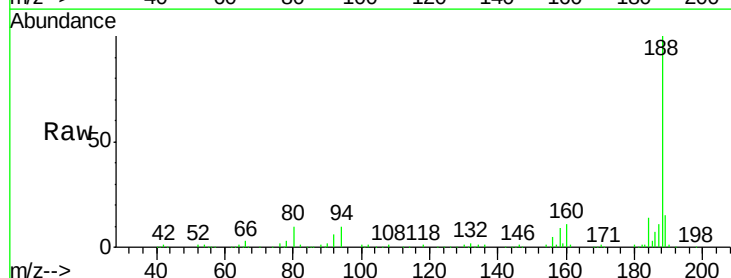
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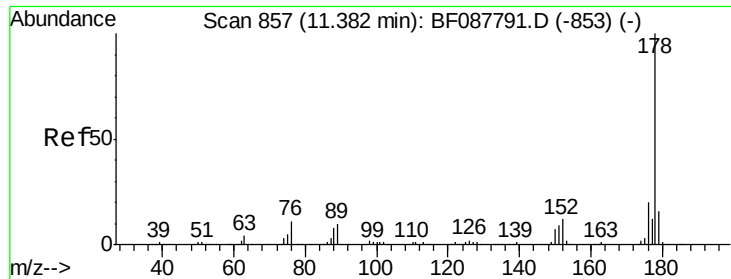
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.07 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	9.0	13.6
80	10.3	10.0	15.0





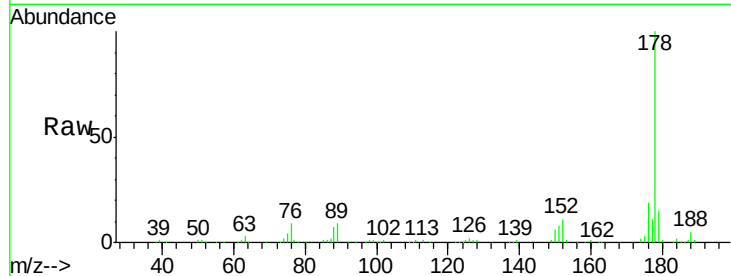
#70
Phenanthrene
Concen: 10.87 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.07 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

Instrument :
BNA_F
ClientSampled :
TP-4

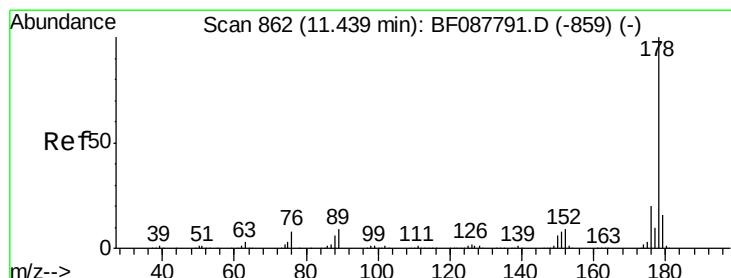
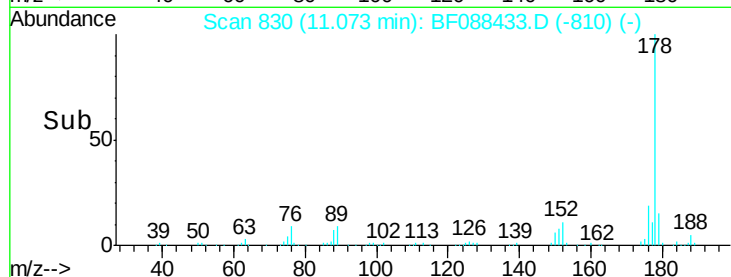
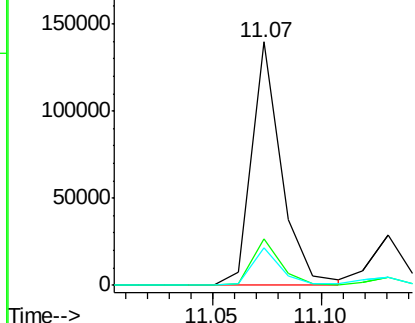
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.6
179	15.4	13.0	19.4

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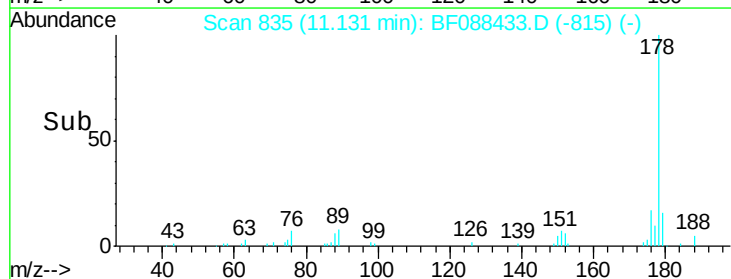
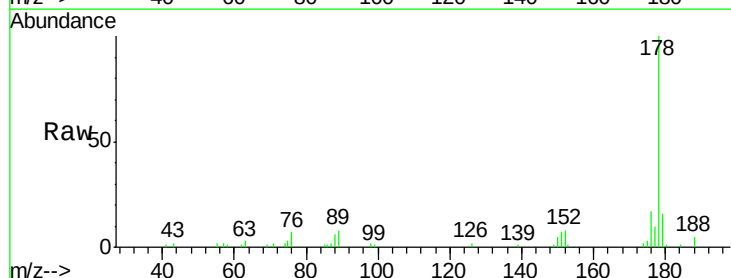
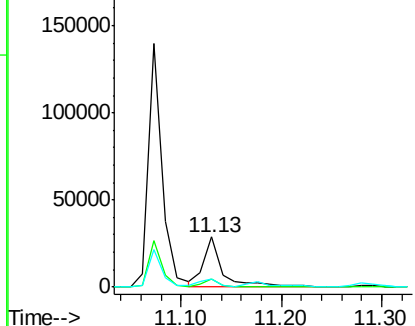
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

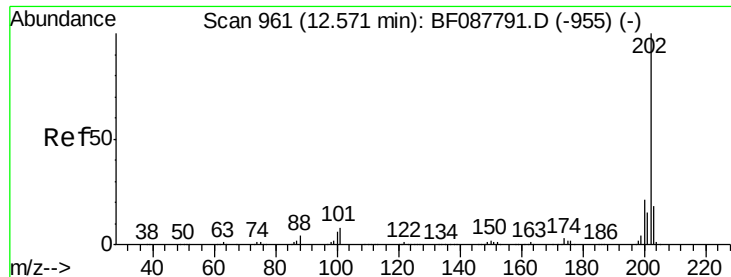


#71
Anthracene
Concen: 2.91 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.07 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.6	23.4
179	15.5	12.8	19.2

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





#74

Fluoranthene

Concen: 15.61 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.06 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

Instrument :

BNA_F

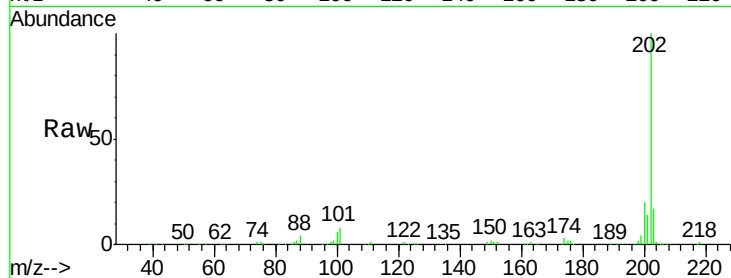
ClientSampleId :

TP-4

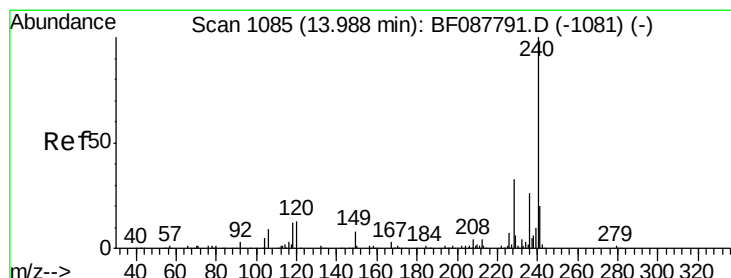
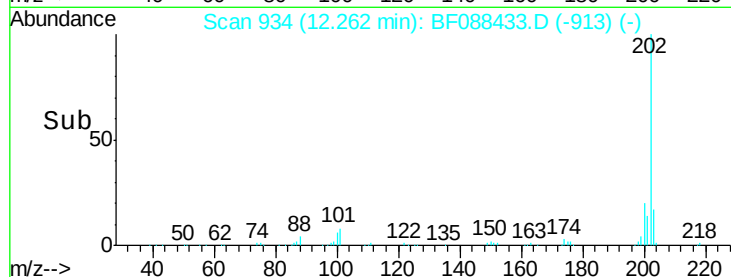
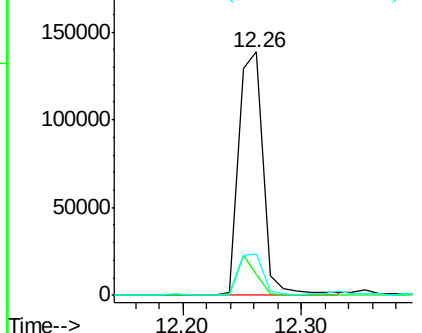
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.5	0.0	33.1
203	16.8	0.0	38.1

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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: 13.68 min Scan# 1058

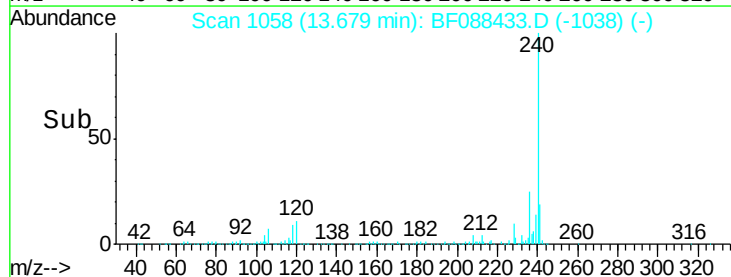
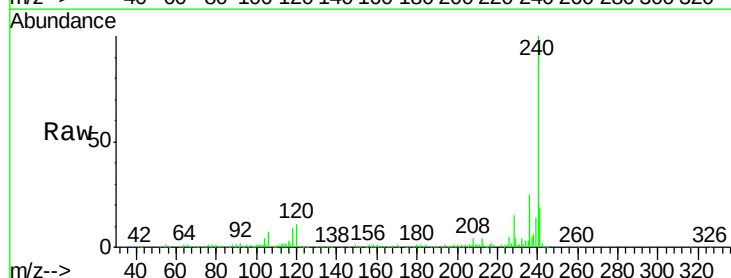
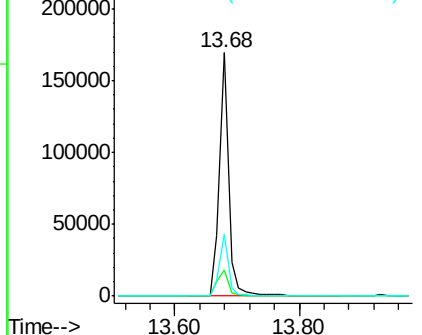
Delta R.T. -0.07 min

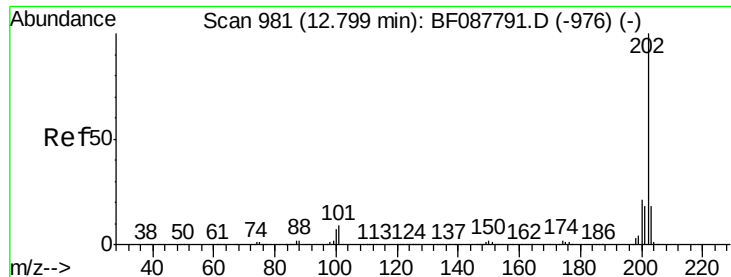
Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.9	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: 13.71 ng

RT: 12.48 min Scan# 953

Delta R.T. -0.07 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

Instrument :

BNA_F

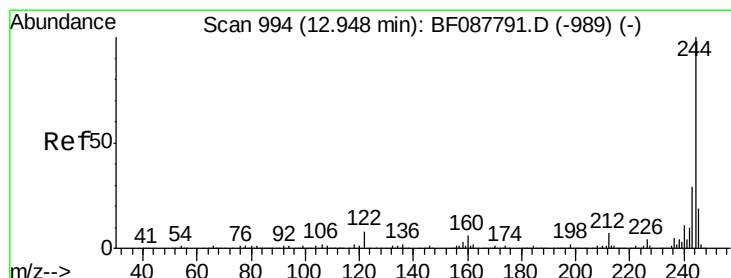
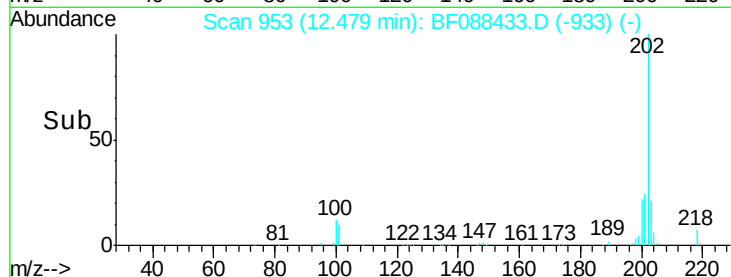
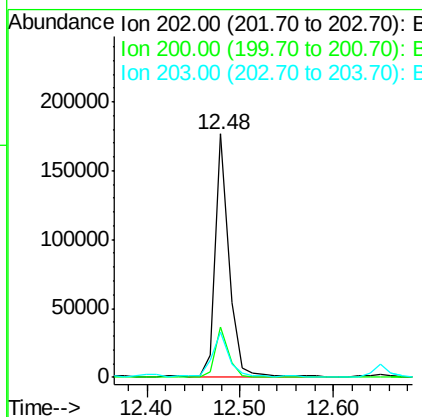
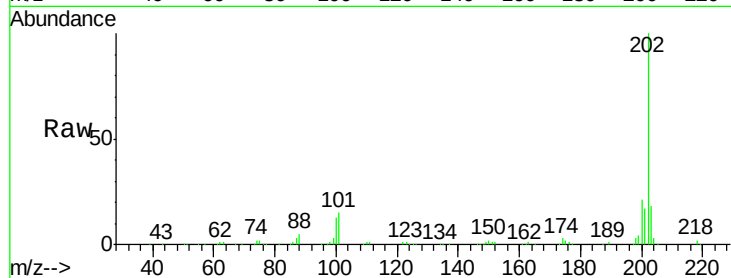
ClientSampled :

TP-4

Tot Ion:	202	Resp:	177188
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	18.4	14.5	21.7

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6/27/2016 8:02:32 PM



#78

Terphenyl-d14

Concen: 29.64 ng

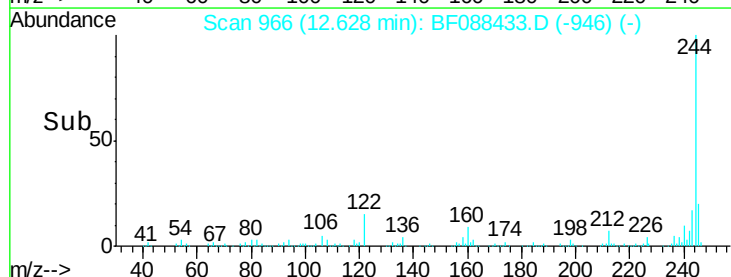
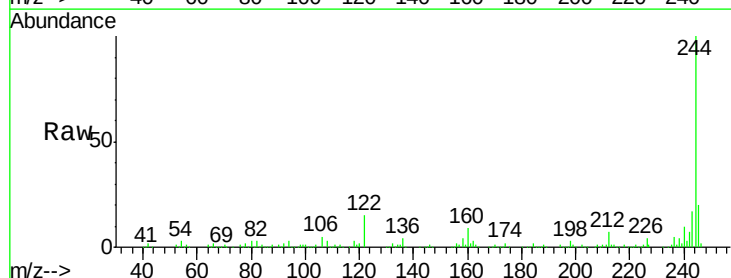
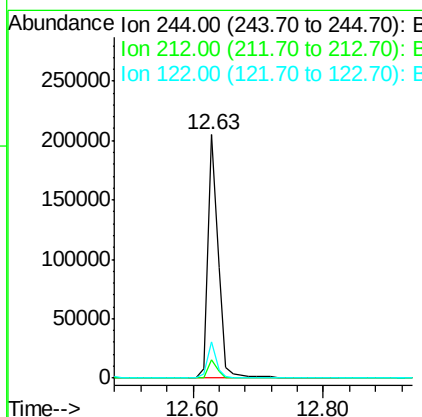
RT: 12.63 min Scan# 966

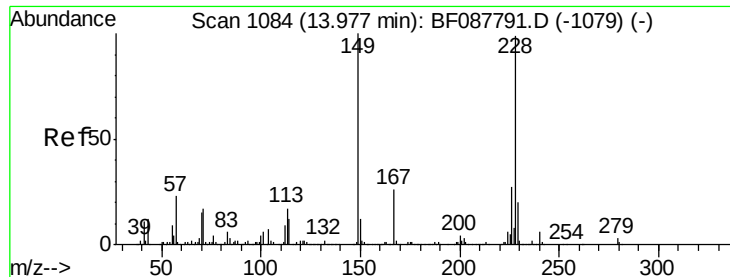
Delta R.T. -0.07 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

Tgt Ion:	244	Resp:	226827
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.0	9.0
122	15.1	11.2	16.8





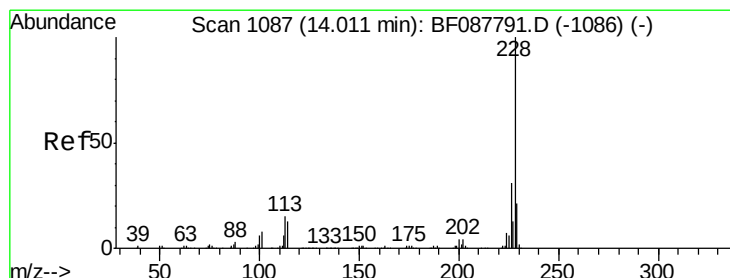
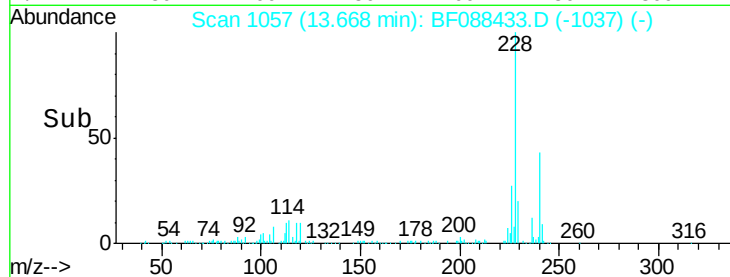
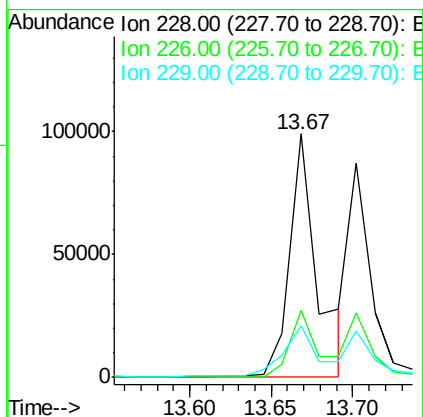
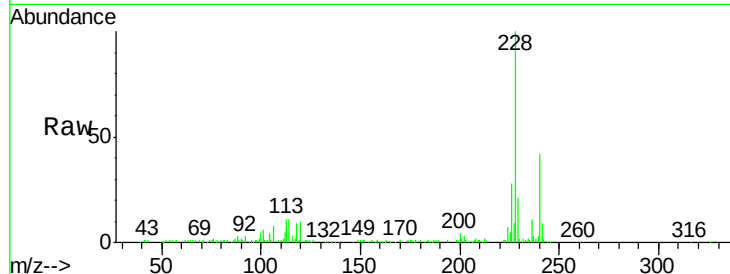
#80
Benzo(a)anthracene
Concen: 11.94 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.07 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.3	33.5
229	21.0	16.0	24.0

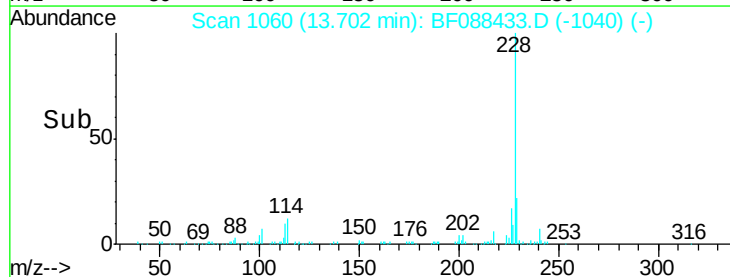
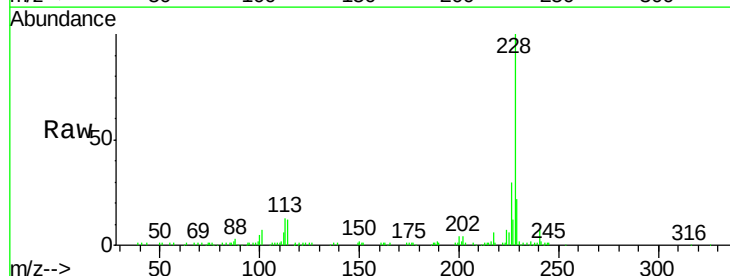
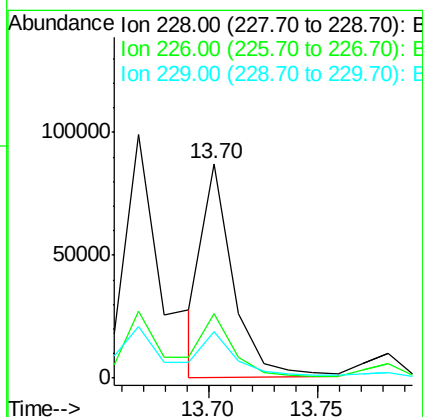
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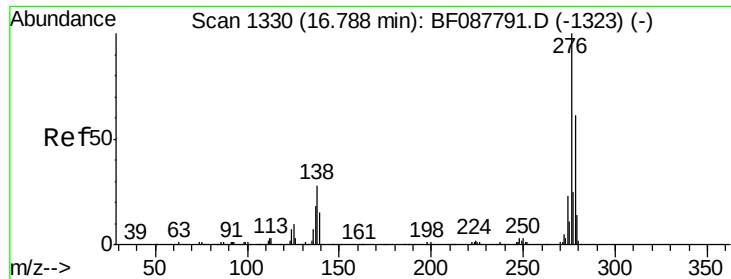
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6/27/2016 8:02:32 PM



#82
Chrysene
Concen: 9.08 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.07 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.4	38.2
229	21.6	16.3	24.5





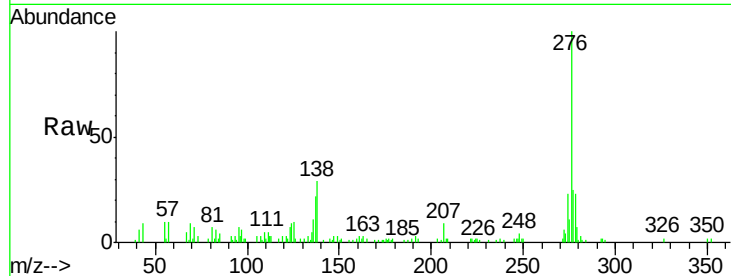
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.42 ng
RT: 16.25 min Scan# 1283
Delta R.T. -0.11 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

Instrument :
BNA_F
ClientSampleId :
TP-4

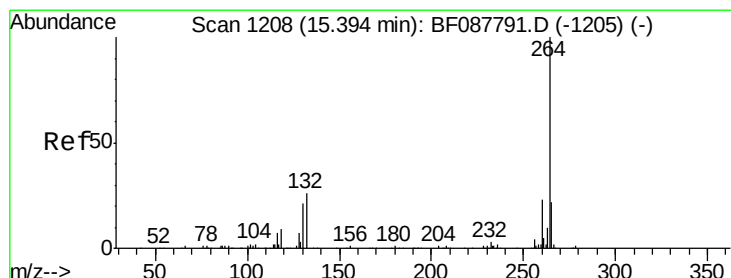
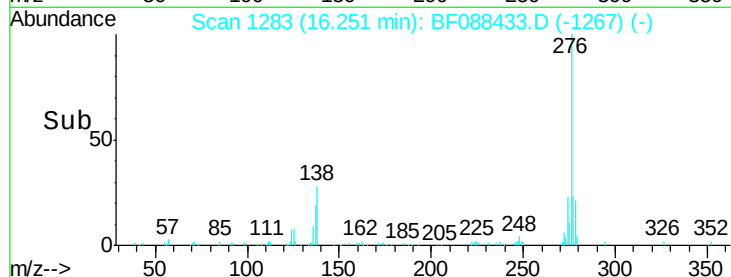
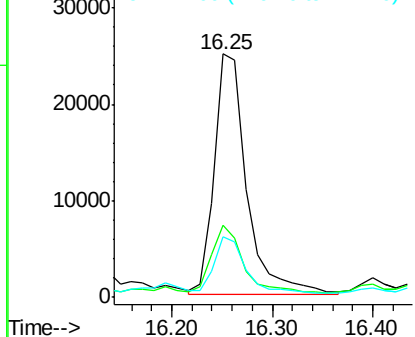
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.4	0.0	0.0#
277	25.2	0.0	0.0#

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6/27/2016 8:02:32 PM

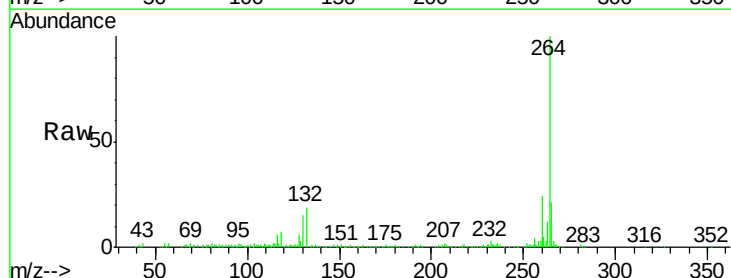


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

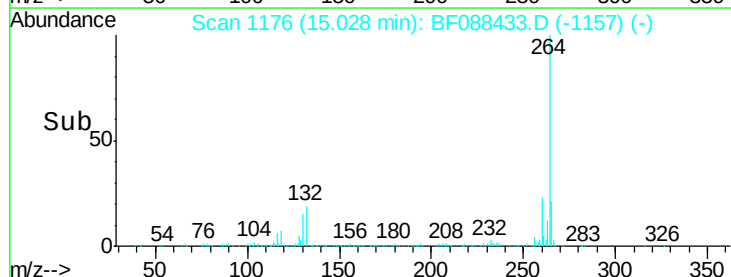
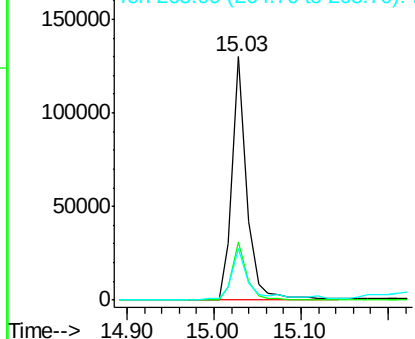


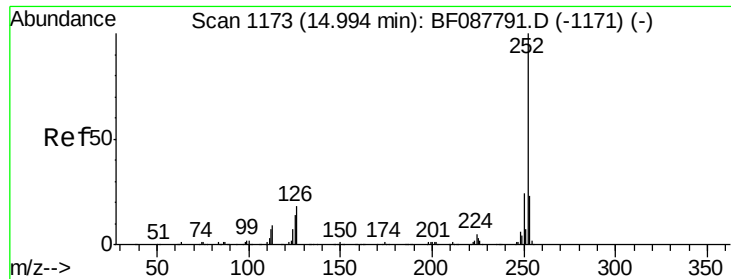
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.03 min Scan# 1176
Delta R.T. -0.08 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.3	16.9	25.3



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





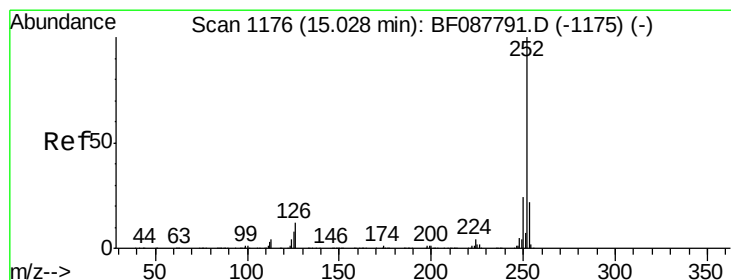
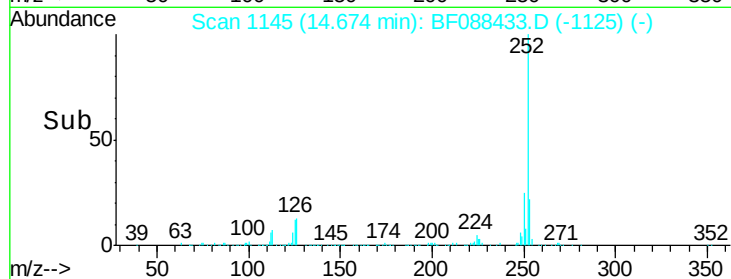
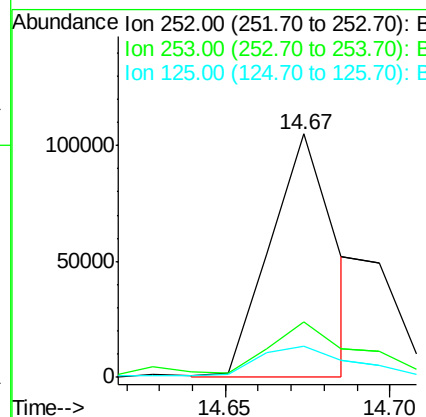
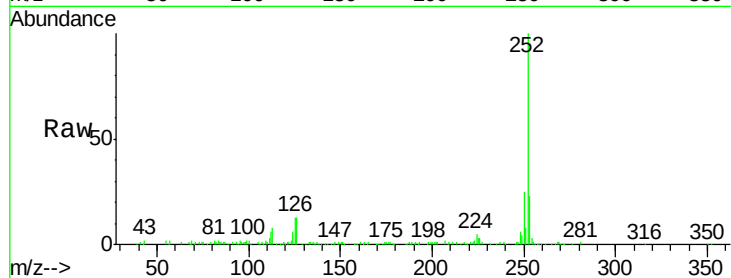
#87
Benzo(b)fluoranthene
Concen: 13.55 ng m
RT: 14.67 min Scan# 1145
Delta R.T. -0.07 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	12.7	7.1	10.7

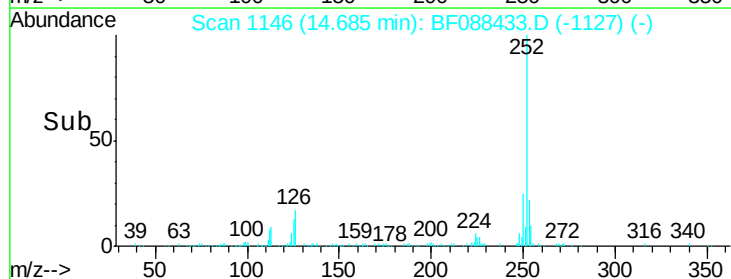
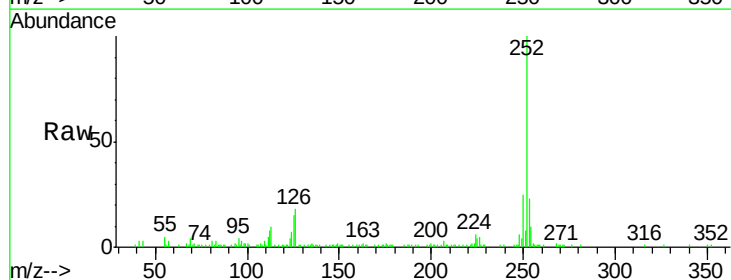
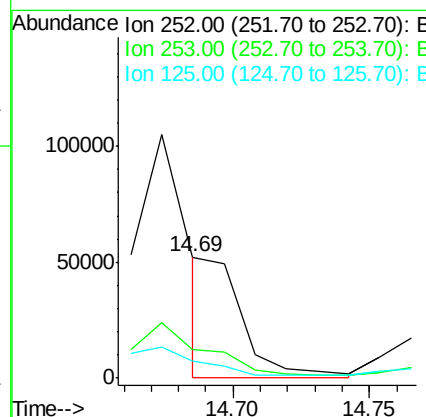
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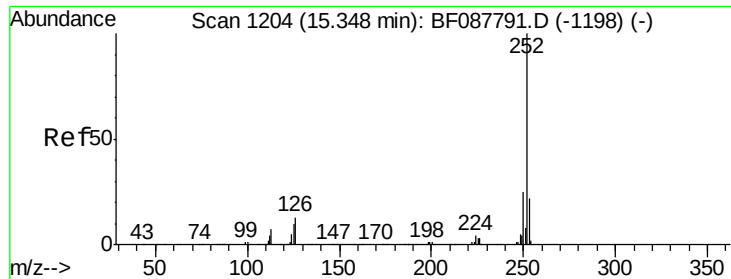
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6/27/2016 8:02:32 PM



#88
Benzo(k)fluoranthene
Concen: 5.78 ng m
RT: 14.69 min Scan# 1146
Delta R.T. -0.08 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	14.6	11.2	16.8





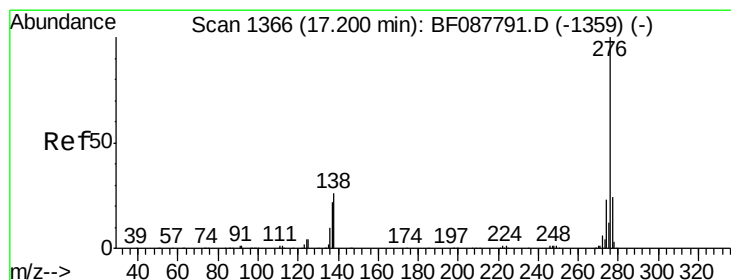
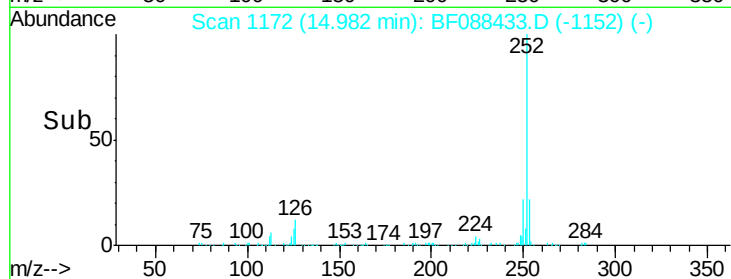
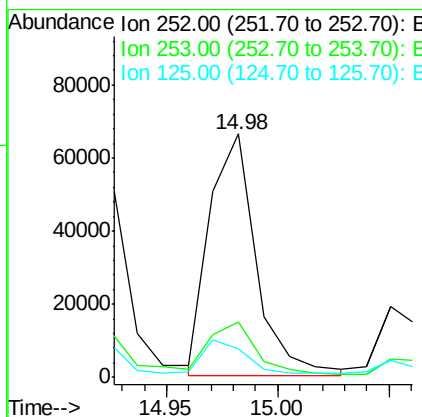
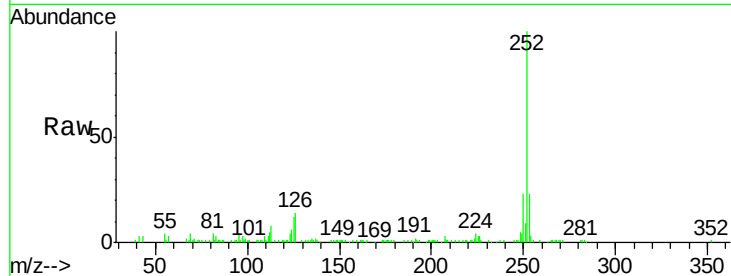
#89
Benzo(a)pyrene
Concen: 11.17 ng/ml
RT: 14.98 min Scan# 1172
Delta R.T. -0.07 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	11.8	12.5	18.7

Manual Integrations
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6/27/2016 8:02:32 PM



#91
Benzo(g,h,i)perylene
Concen: 6.27 ng/ml
RT: 16.62 min Scan# 1315
Delta R.T. -0.13 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.9	28.3
138	30.0	21.4	32.2

