

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
 Data File : BF087822.D
 Acq On : 8 Jun 2016 21:18
 Operator : UM/SJ
 Sample : H3378-12 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-22

Manual Integrations
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Quant Time: Jun 09 04:17:47 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	111619	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	472809	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	203772	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	302874	20.00	ng	0.00
75) Chrysene-d12	13.99	240	258014	20.00	ng	0.00
86) Perylene-d12	15.42	264	212188	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	303778	46.53	ng	-0.01
7) Phenol-d6	6.46	99	401507	50.74	ng	-0.02
23) Nitrobenzene-d5	7.38	82	190299	23.50	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	72293	33.60	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	357098	23.52	ng	-0.02
78) Terphenyl-d14	12.94	244	229571	20.25	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.59	163	60153	4.08	ng	99
70) Phenanthrene	11.38	178	190447	11.98	ng	97
71) Anthracene	11.43	178	57537	3.59	ng	98
74) Fluoranthene	12.56	202	198243	11.82	ng	97
77) Pyrene	12.79	202	167808	8.76	ng	98
80) Benzo(a)anthracene	13.98	228	96656	6.57	ng	100
82) Chrysene	14.01	228	63509m	4.59	ng	
85) Indeno(1,2,3-cd)pyrene	16.80	276	28939	2.25	ng	# 100
87) Benzo(b)fluoranthene	15.01	252	78056m	5.28	ng	
88) Benzo(k)fluoranthene	15.02	252	32065m	2.87	ng	
89) Benzo(a)pyrene	15.35	252	56515	4.72	ng	97
91) Benzo(a,h,i)perylene	17.21	276	27535	2.41	ng	97

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

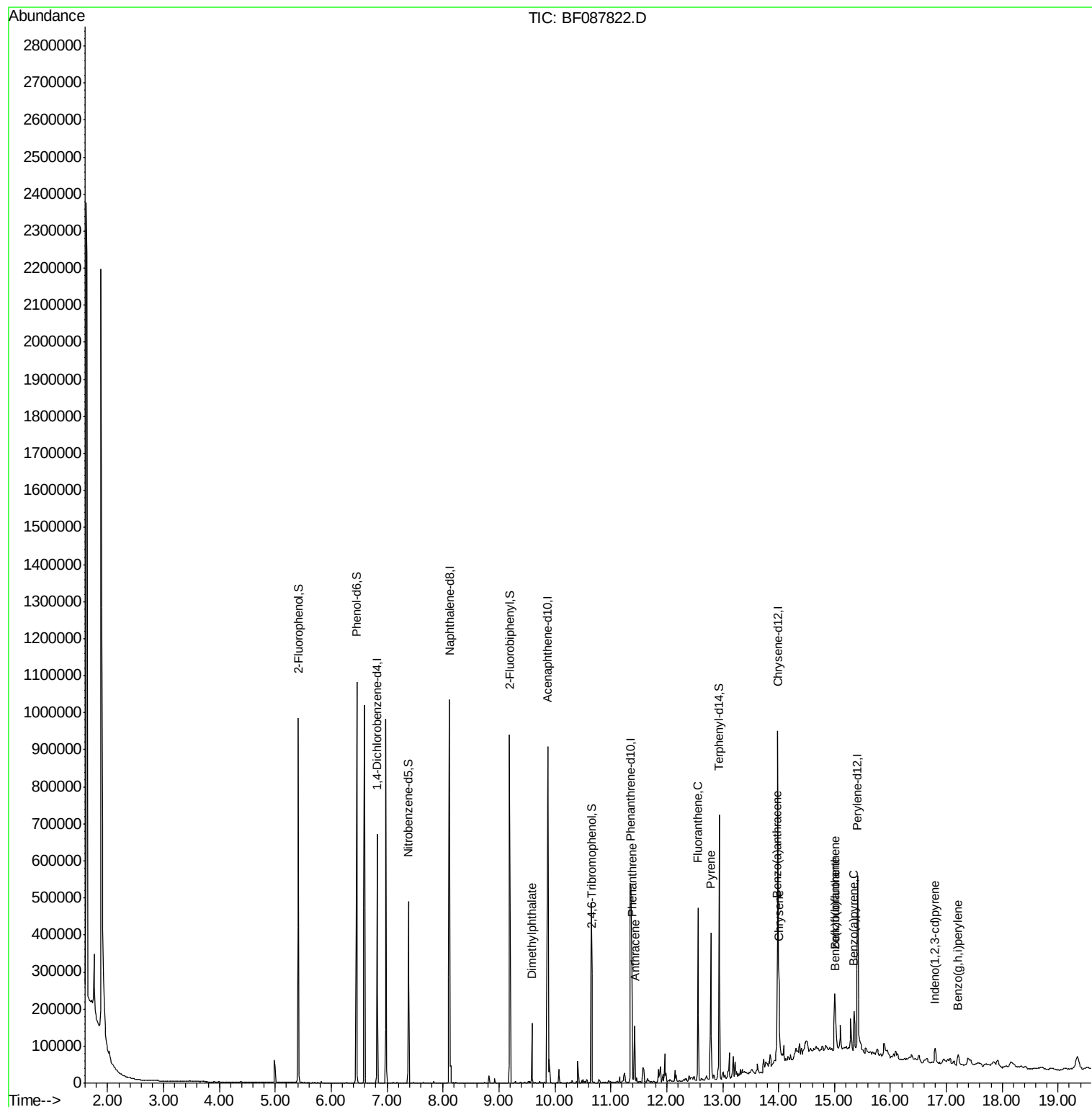
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087822.D
Acq On : 8 Jun 2016 21:18
Operator : UM/SJ
Sample : H3378-12 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

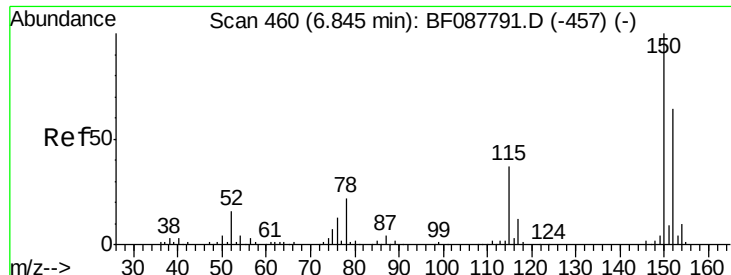
Instrument :
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#1

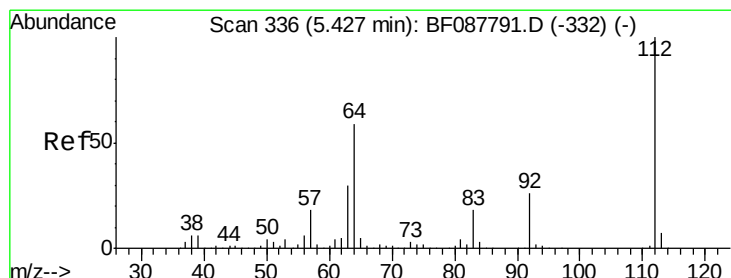
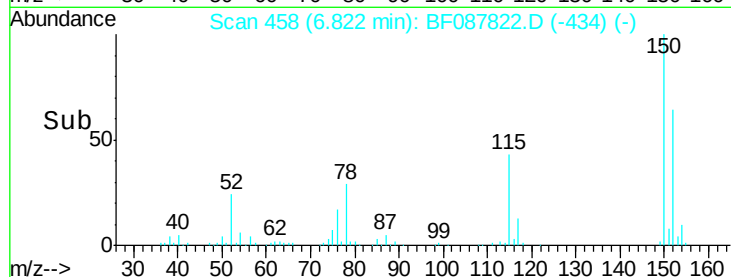
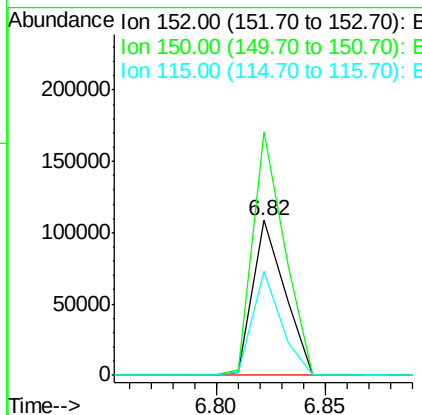
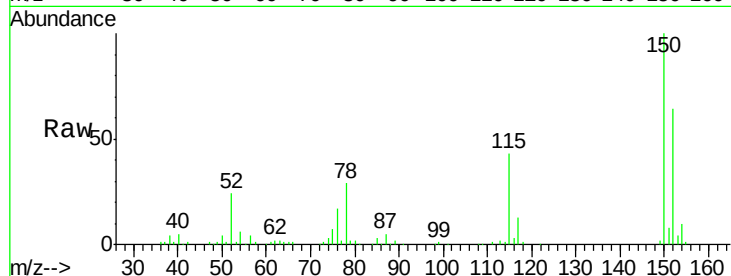
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF087822.D
Acq: 8 Jun 2016 21:18

Instrument :
BNA_F
ClientSampleId :
SS-22

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	123.8	185.6
115	66.8	39.6	59.4

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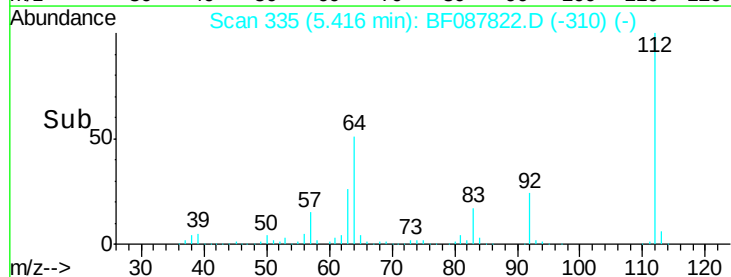
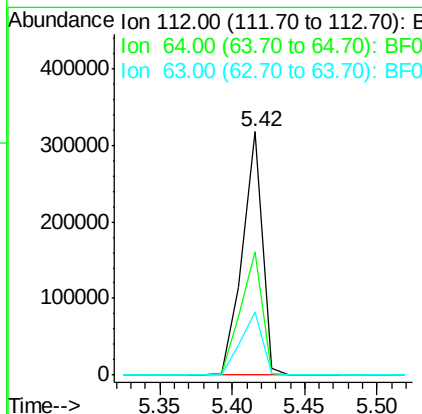
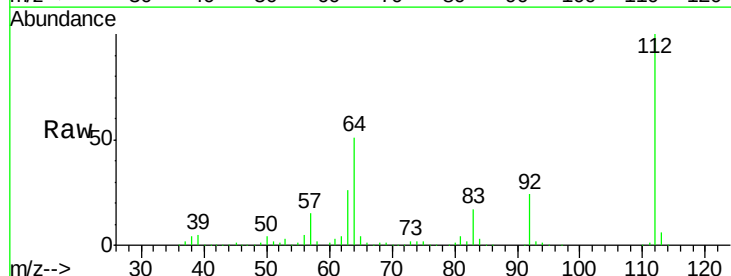
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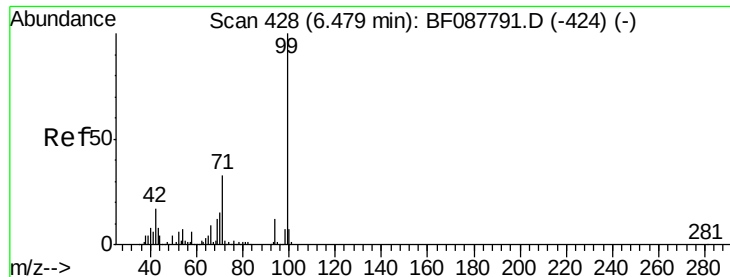


#5

2-Fluorophenol
Concen: 46.53 ng
RT: 5.42 min Scan# 335
Delta R.T. -0.01 min
Lab File: BF087822.D
Acq: 8 Jun 2016 21:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.8	42.2	63.2
63	26.0	21.8	32.8





#7

Phenol-d6

Concen: 50.74 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087822.D

Acq: 8 Jun 2016 21:18

Instrument :

BNA_F

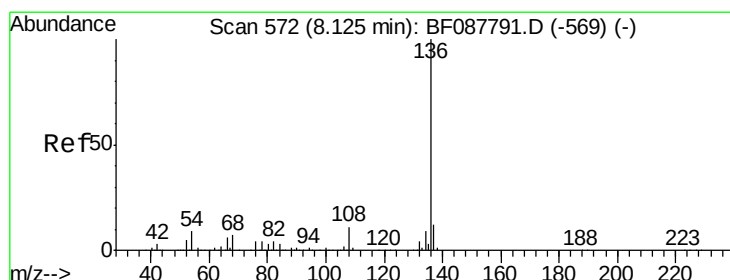
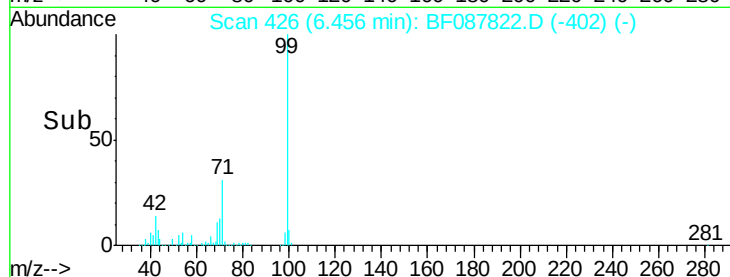
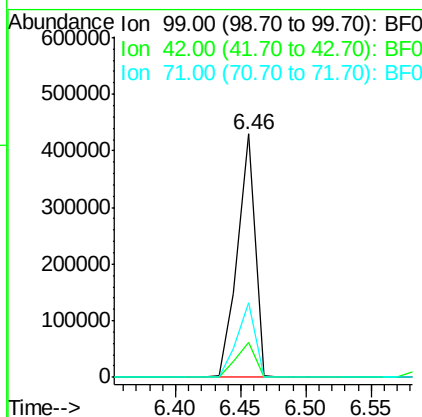
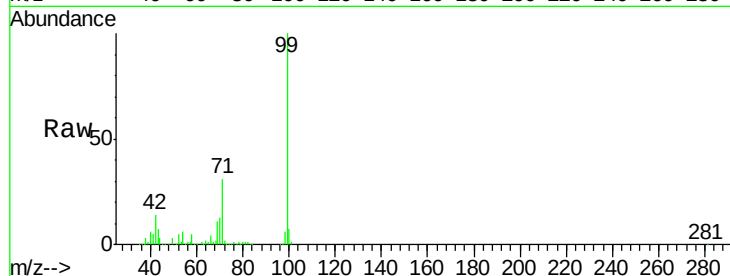
ClientSampled :

SS-22

Tot Ion:	99	Resp:	401507
Ion Ratio		Lower	Upper
99	100		
42	14.5	12.2	18.2
71	30.7	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

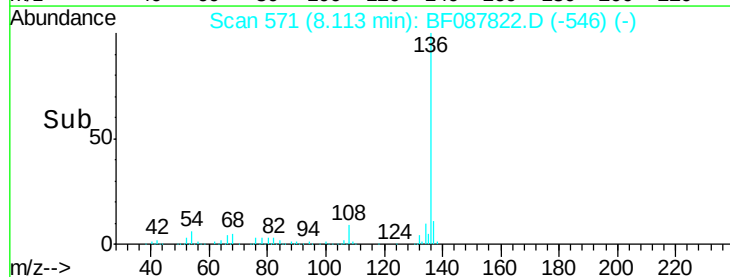
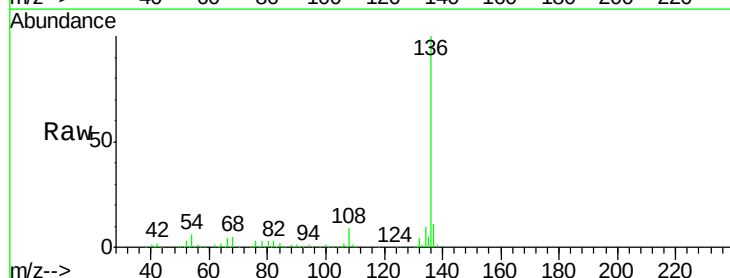
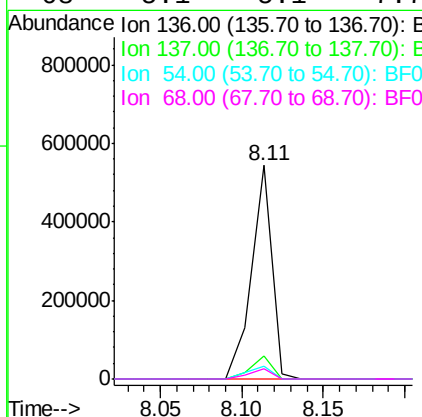
RT: 8.11 min Scan# 571

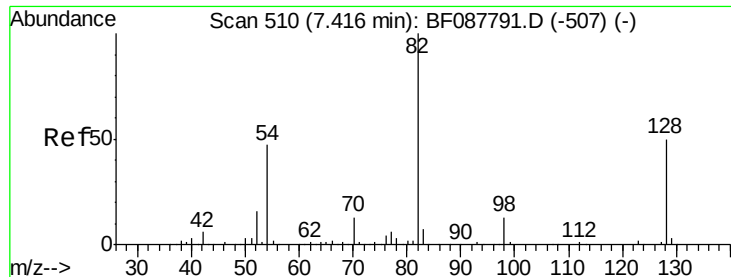
Delta R.T. -0.01 min

Lab File: BF087822.D

Acq: 8 Jun 2016 21:18

Tgt Ion:	136	Resp:	472809
Ion Ratio		Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.2	6.6	10.0#
68	5.1	5.1	7.7#





#23

Nitrobenzene-d5

Concen: 23.50 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087822.D

Acq: 8 Jun 2016 21:18

Instrument :

BNA_F

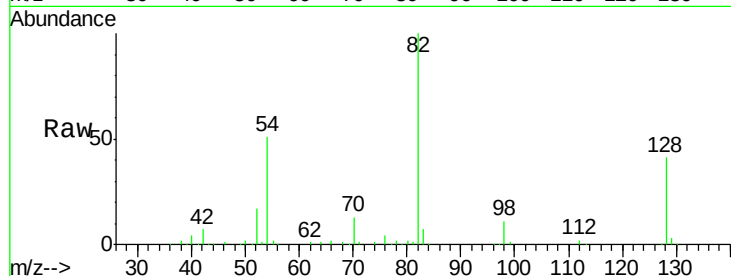
ClientSampled :

SS-22

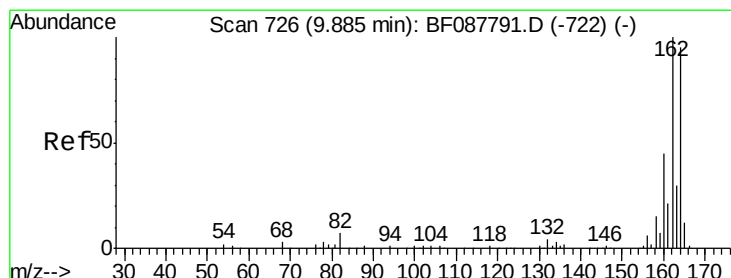
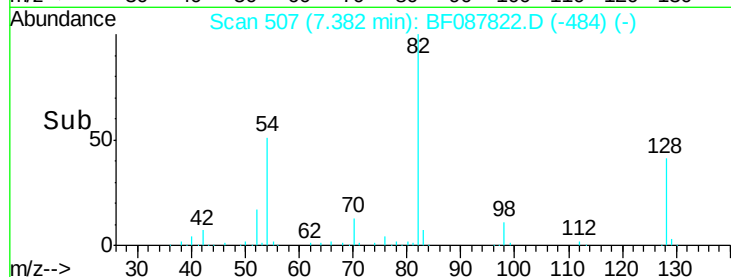
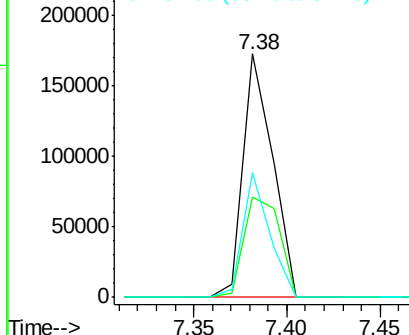
Tot Ion	82	Resp	190299
Ion Ratio	Lower	Upper	
82	100		
128	41.0	35.9	53.9
54	51.2	40.9	61.3

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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

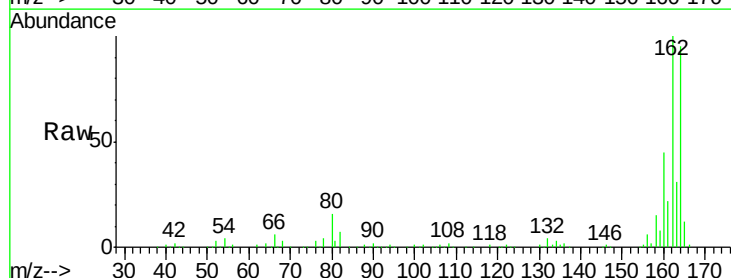
RT: 9.87 min Scan# 725

Delta R.T. -0.01 min

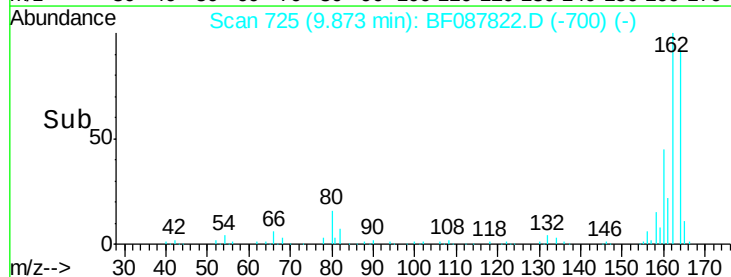
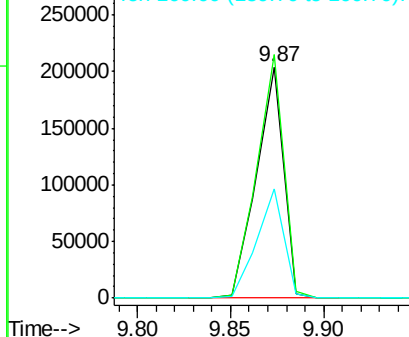
Lab File: BF087822.D

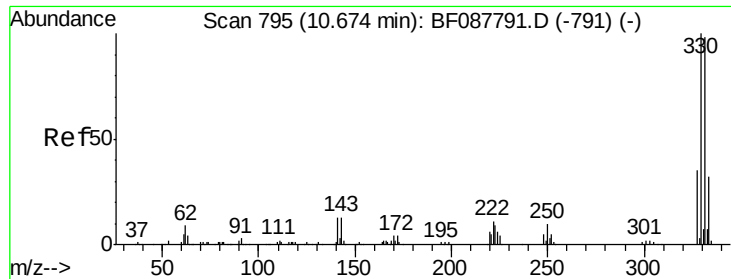
Acq: 8 Jun 2016 21:18

Tgt Ion	164	Resp	203772
Ion Ratio	Lower	Upper	
164	100		
162	105.4	85.4	128.2
160	47.5	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





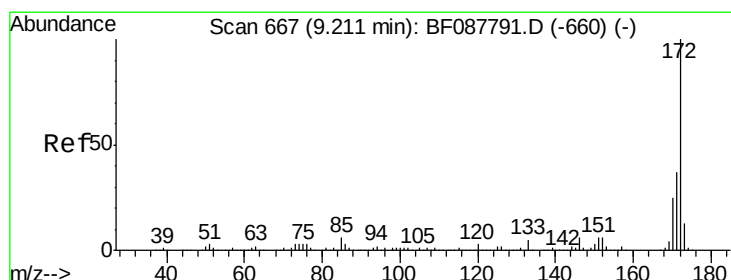
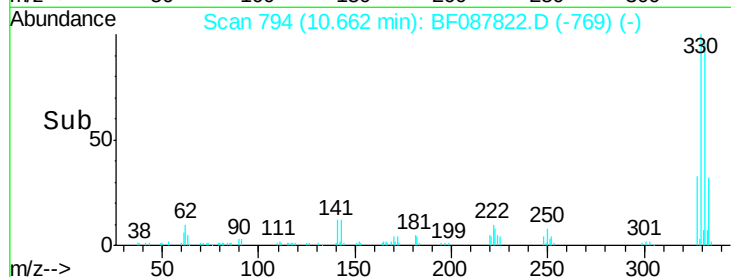
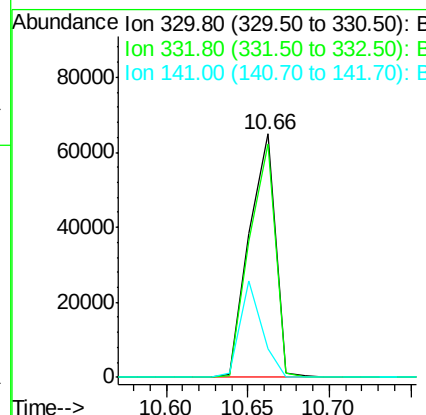
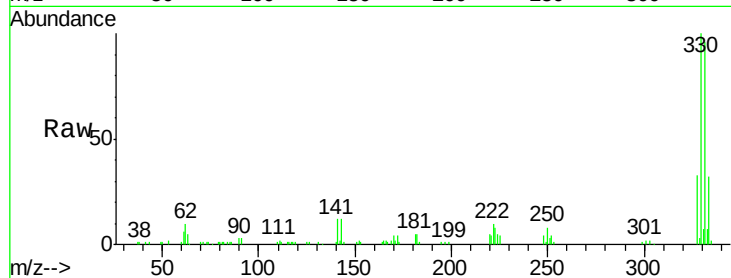
#41
 2,4,6-Tribromophenol
 Concen: 33.60 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087822.D
 Acq: 8 Jun 2016 21:18

Instrument :
 BNA_F
 ClientSampleId :
 SS-22

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	95.3	0.0	0.0#
141	32.8	0.0	0.0#

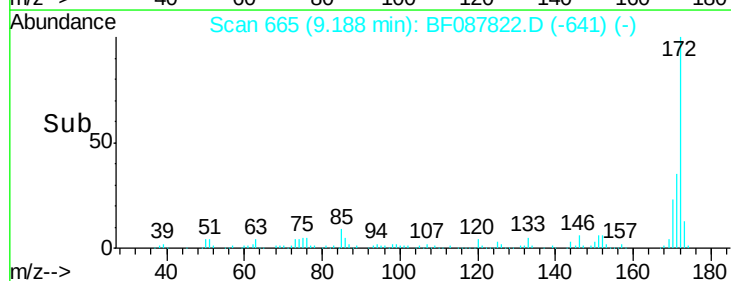
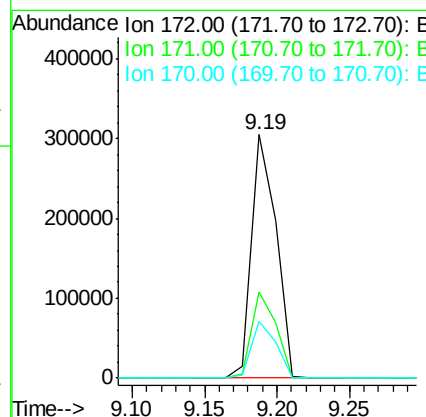
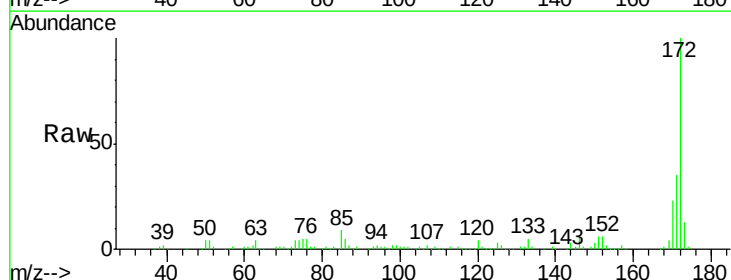
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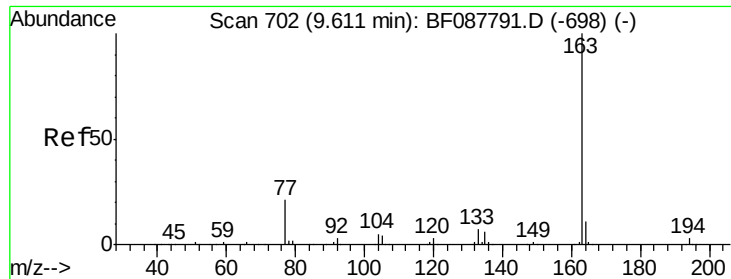
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#44
 2-Fluorobiphenyl
 Concen: 23.52 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087822.D
 Acq: 8 Jun 2016 21:18

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.2	28.6	43.0
170	23.3	19.2	28.8





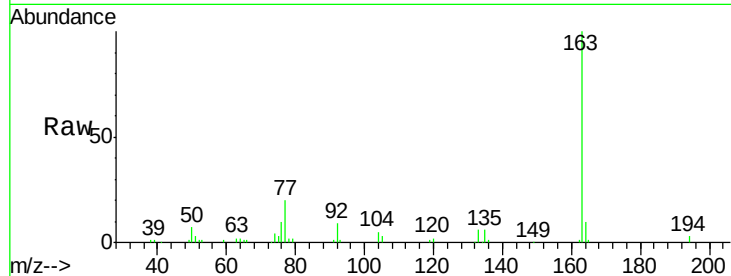
#49
Dimethylphthalate
Concen: 4.08 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.02 min
Lab File: BF087822.D
Acq: 8 Jun 2016 21:18

Instrument :
BNA_F
ClientSampled :
SS-22

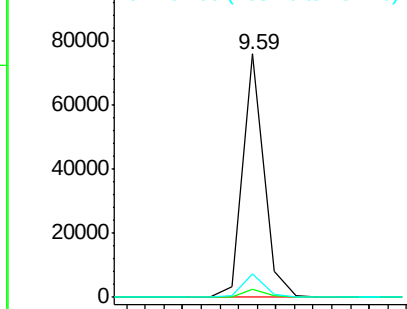
Tot Ion	Ratio	Resp	Lower	Upper
163	100	60153		
194	3.3		2.8	4.2
164	9.8		8.3	12.5

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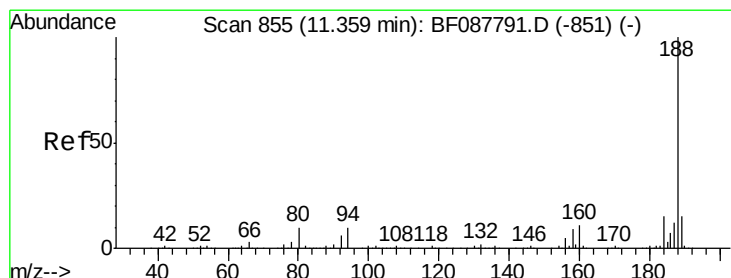
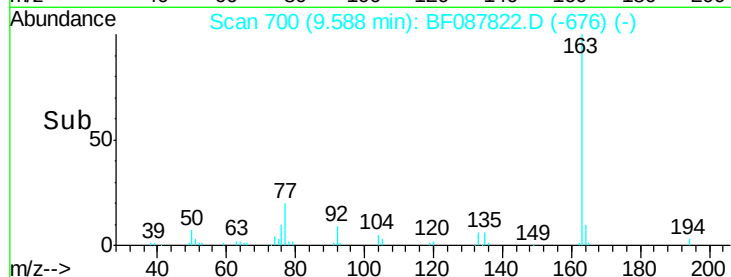
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

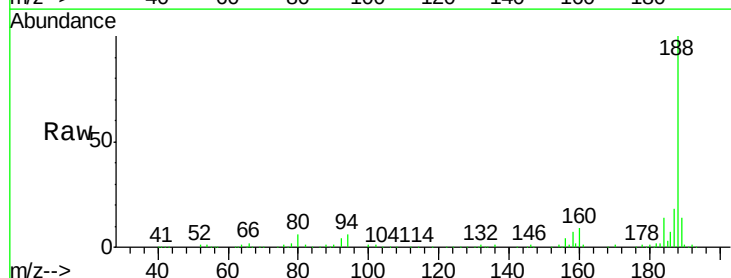


Time-->

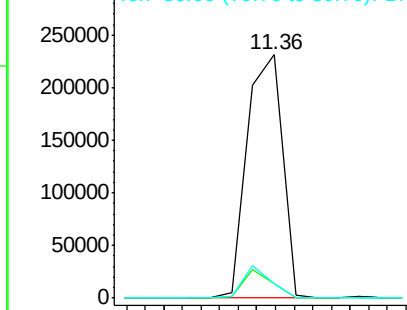


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 855
Delta R.T. -0.00 min
Lab File: BF087822.D
Acq: 8 Jun 2016 21:18

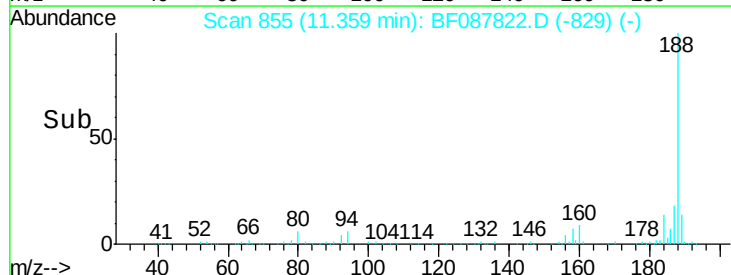
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	302874		
94	6.1		9.0	13.6#
80	6.0		10.0	15.0#

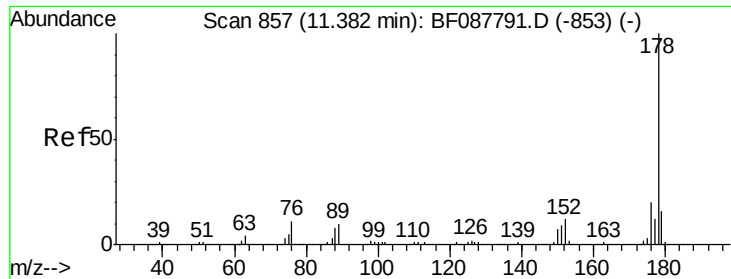


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0



Time-->





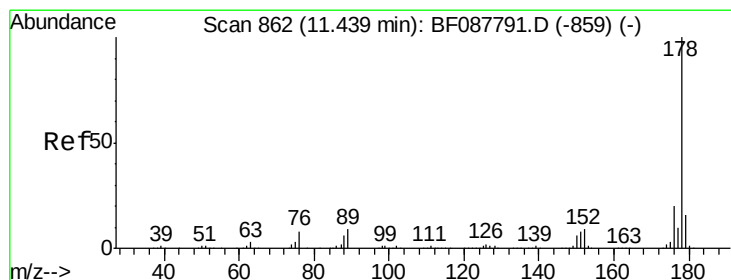
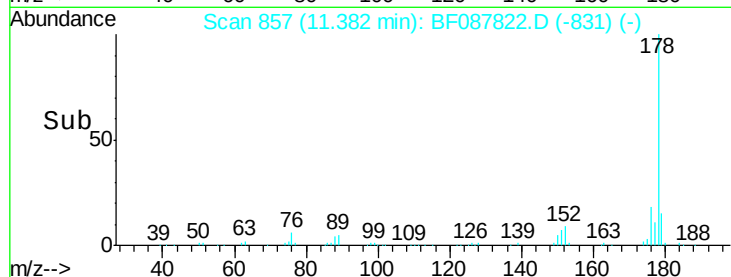
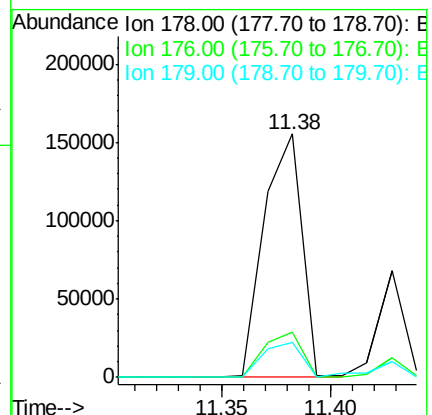
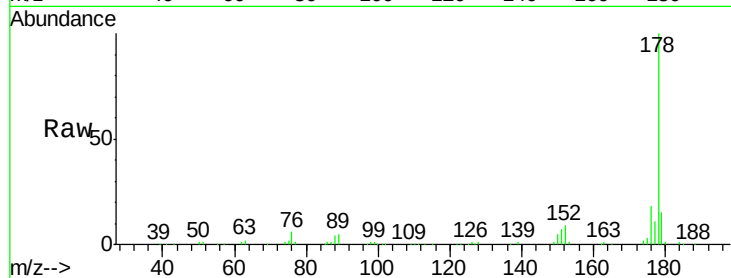
#70
Phenanthrene
Concen: 11.98 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF087822.D
Acq: 8 Jun 2016 21:18

Instrument :
BNA_F
ClientSampleId :
SS-22

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.6
179	14.6	13.0	19.4

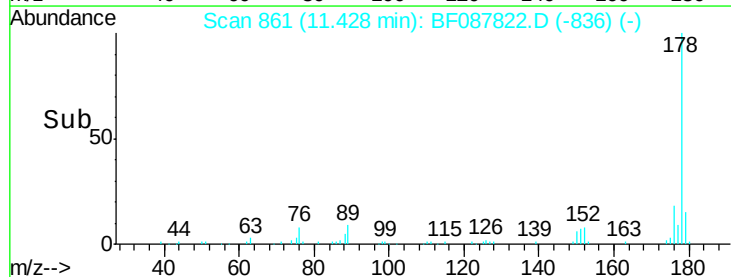
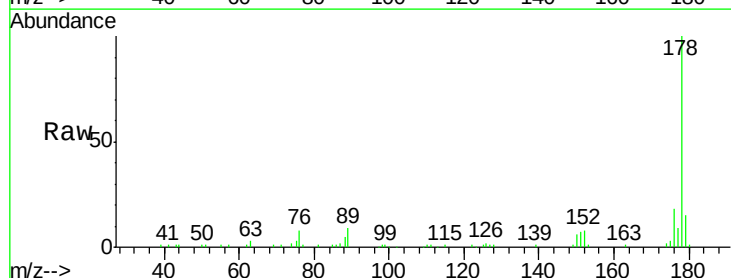
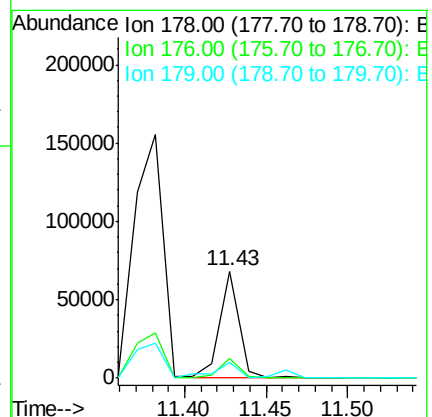
Manual Integrations
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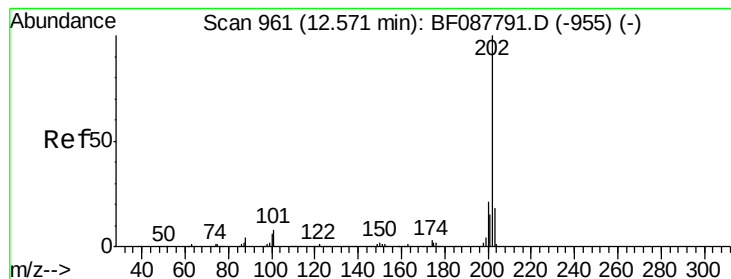
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#71
Anthracene
Concen: 3.59 ng
RT: 11.43 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF087822.D
Acq: 8 Jun 2016 21:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.6	23.4
179	15.3	12.8	19.2





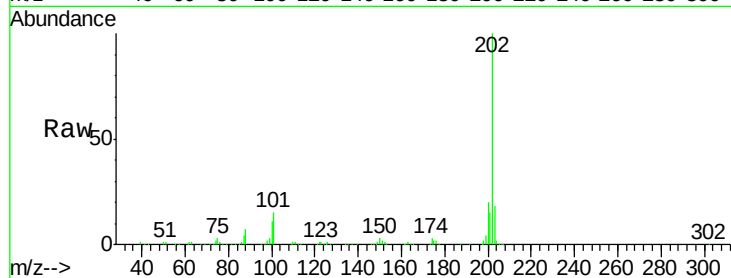
#74
Fluoranthene
Concen: 11.82 ng
RT: 12.56 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF087822.D
Acq: 8 Jun 2016 21:18

Instrument :
BNA_F
ClientSampled :
SS-22

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.5	0.0	33.1
203	17.7	0.0	38.1

Manual Integrations
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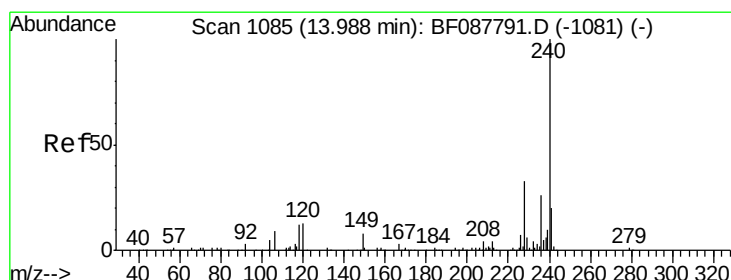
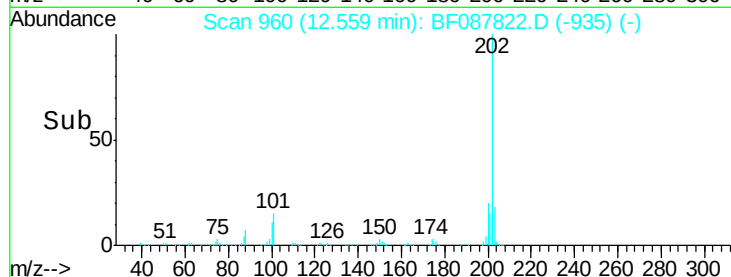
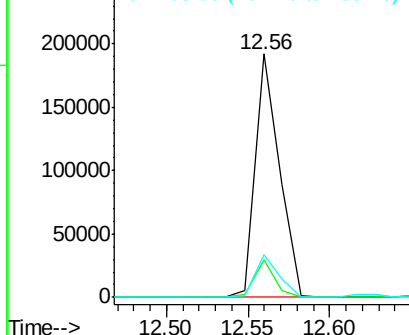


Abundance

Ion 202.00 (201.70 to 202.70): E

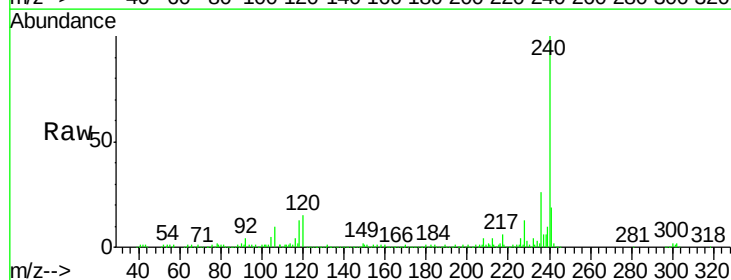
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1085
Delta R.T. -0.00 min
Lab File: BF087822.D
Acq: 8 Jun 2016 21:18

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.5	6.8	10.2#
236	25.8	20.2	30.2

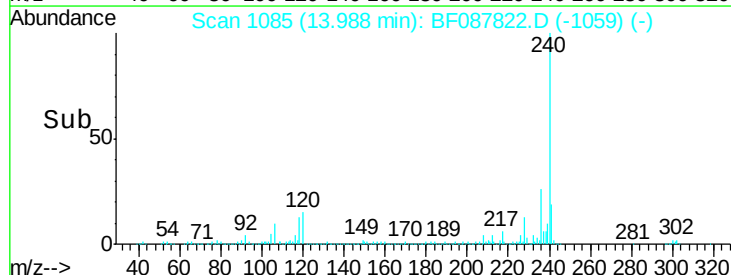
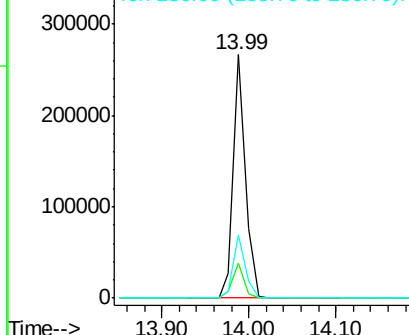


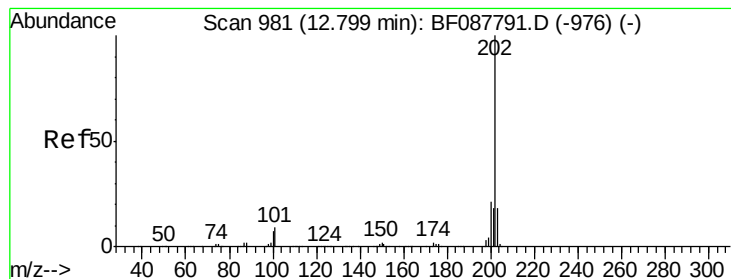
Abundance

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: 8.76 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087822.D

Acq: 8 Jun 2016 21:18

Instrument :

BNA_F

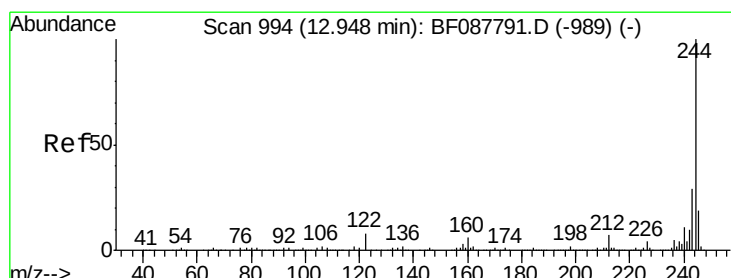
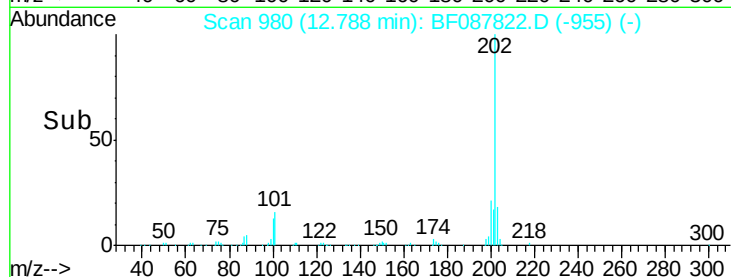
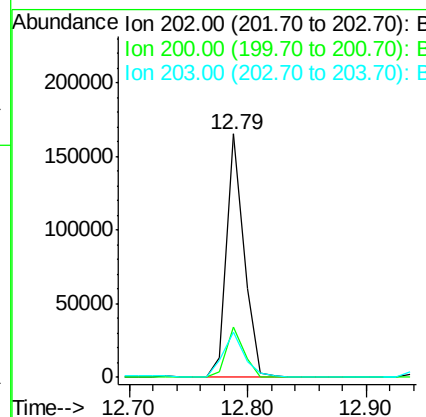
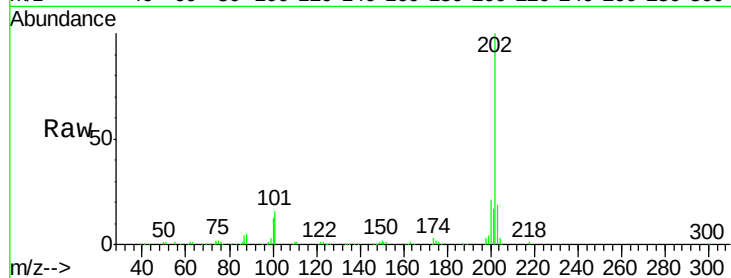
ClientSampleId :

SS-22

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		167808		
200	20.7	17.4	26.2		
203	18.5	14.5	21.7		

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#78

Terphenyl-d14

Concen: 20.25 ng

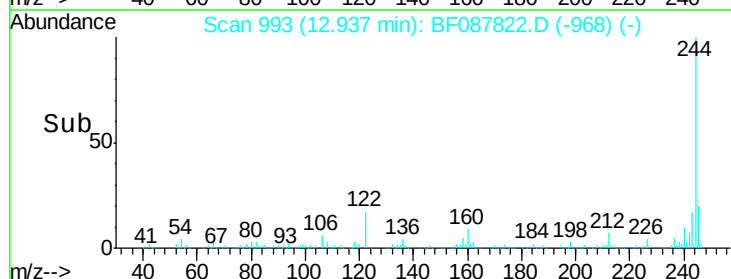
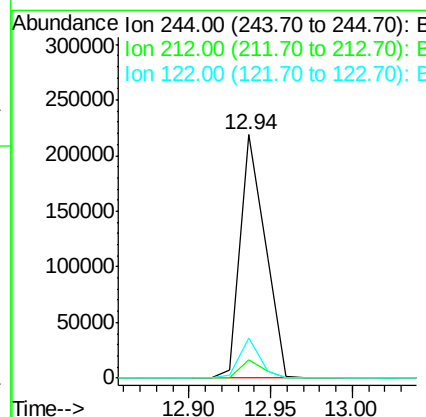
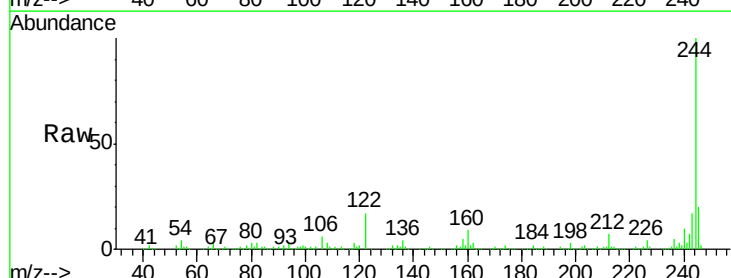
RT: 12.94 min Scan# 993

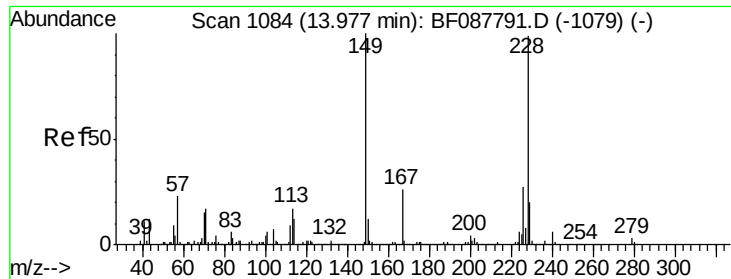
Delta R.T. -0.01 min

Lab File: BF087822.D

Acq: 8 Jun 2016 21:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		229571		
212	7.4	6.0	9.0		
122	16.6	11.2	16.8		





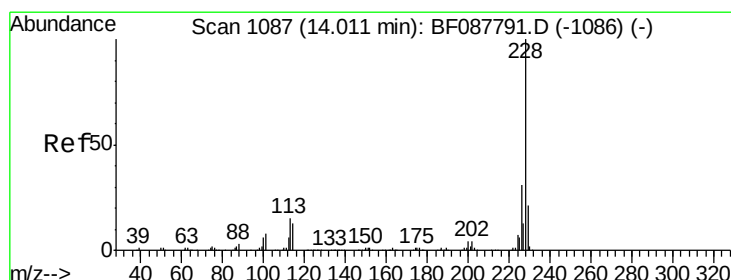
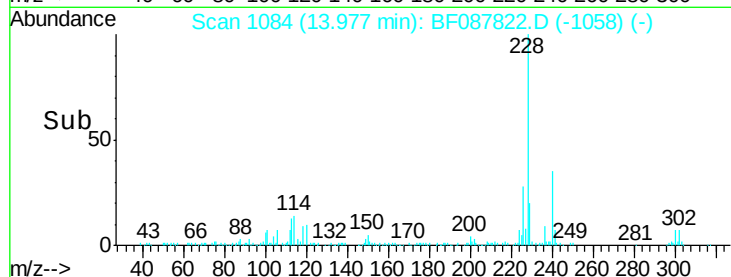
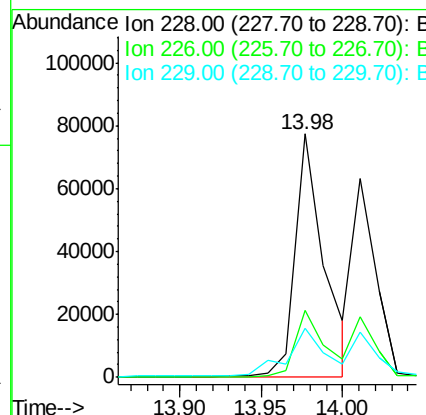
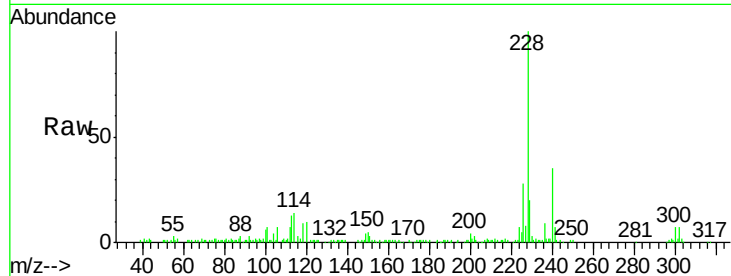
#80
Benzo(a)anthracene
Concen: 6.57 ng
RT: 13.98 min Scan# 1084
Delta R.T. -0.00 min
Lab File: BF087822.D
Acq: 8 Jun 2016 21:18

Instrument :
BNA_F
ClientSampled :
SS-22

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.3	33.5
229	20.1	16.0	24.0

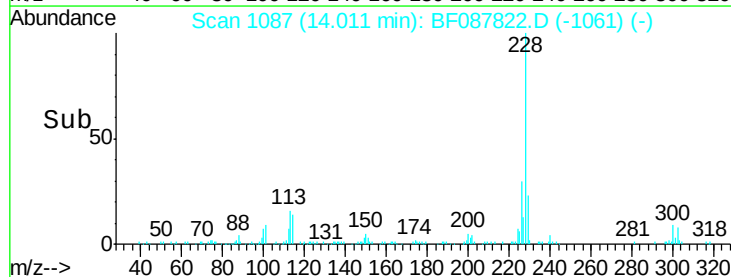
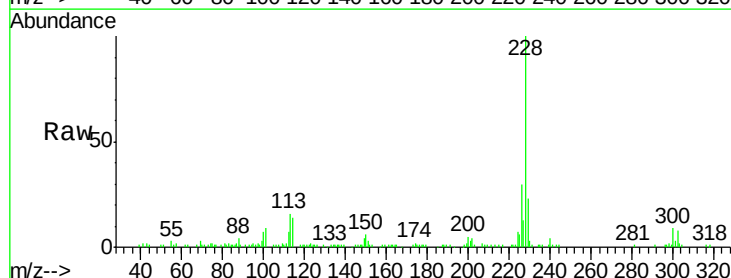
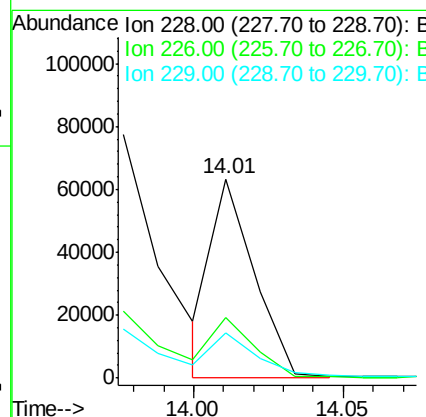
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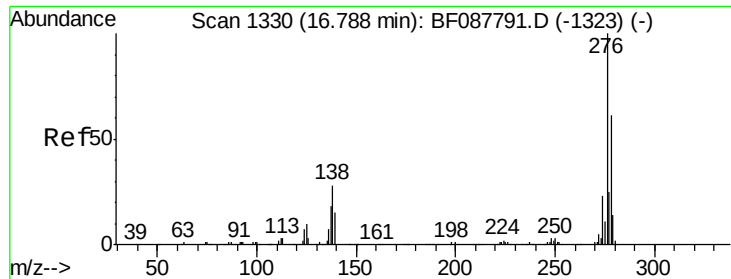
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#82
Chrysene
Concen: 4.59 ng m
RT: 14.01 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BF087822.D
Acq: 8 Jun 2016 21:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.4	38.2
229	23.0	16.3	24.5





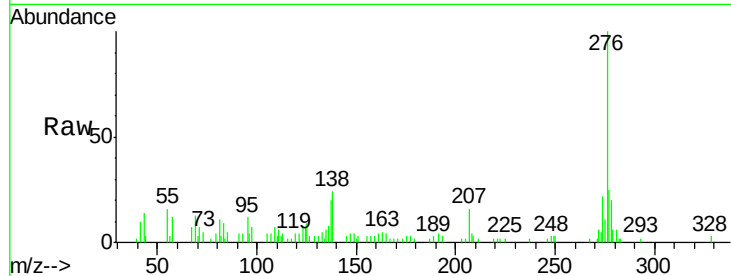
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.25 ng
RT: 16.80 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF087822.D
Acq: 8 Jun 2016 21:18

Instrument :
BNA_F
ClientSampleId :
SS-22

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	27.7	0.0	0.0#
277	36.5	0.0	0.0#

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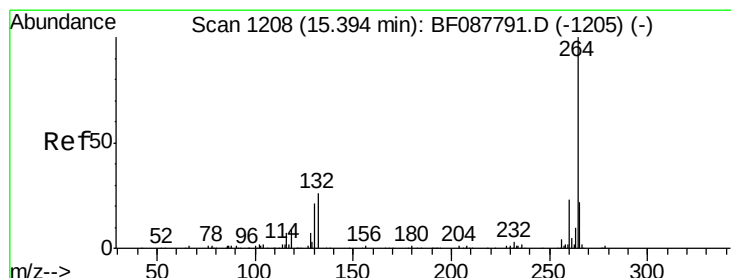
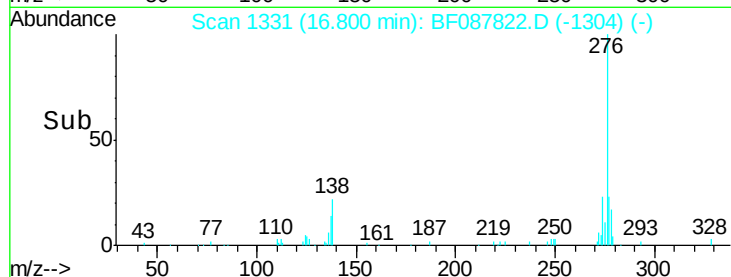
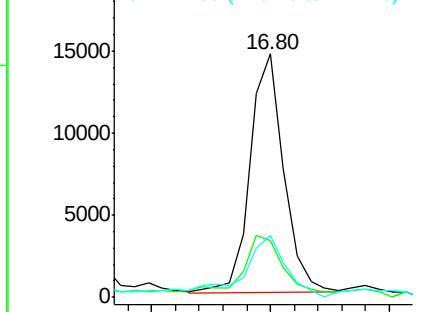


Abundance

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# 1210
Delta R.T. 0.02 min
Lab File: BF087822.D
Acq: 8 Jun 2016 21:18

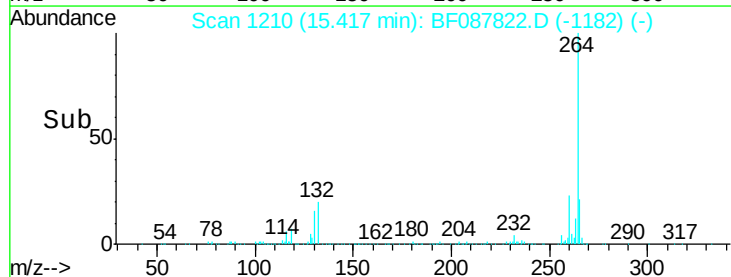
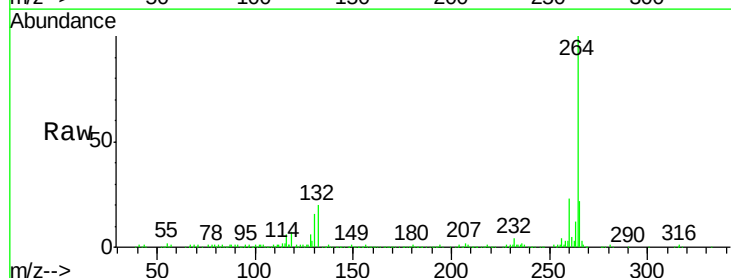
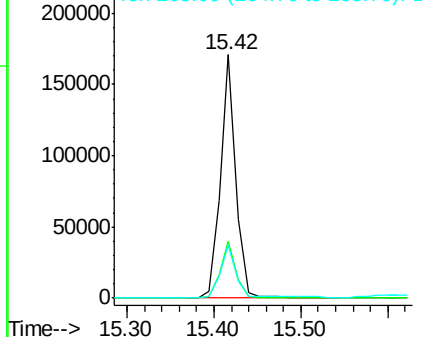
Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.6	16.9	25.3

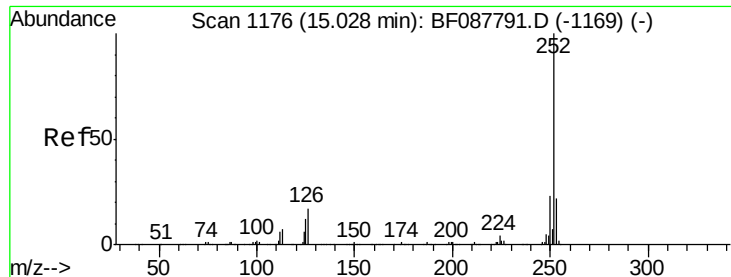
Abundance

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





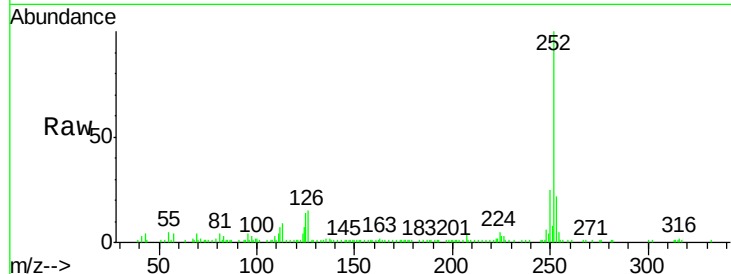
#87
Benzo(b)fluoranthene
Concen: 5.28 ng m
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087822.D
Acq: 8 Jun 2016 21:18

Instrument :
BNA_F
ClientSampled :
SS-22

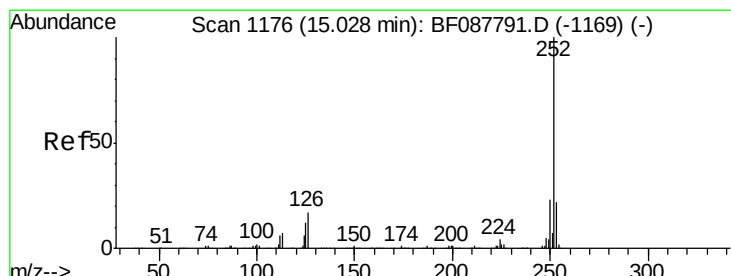
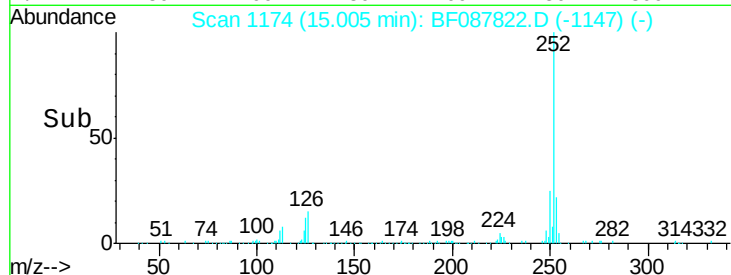
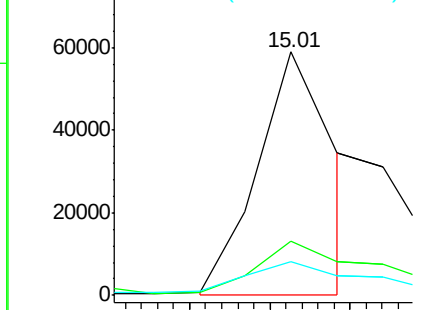
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	13.9	7.1	10.7

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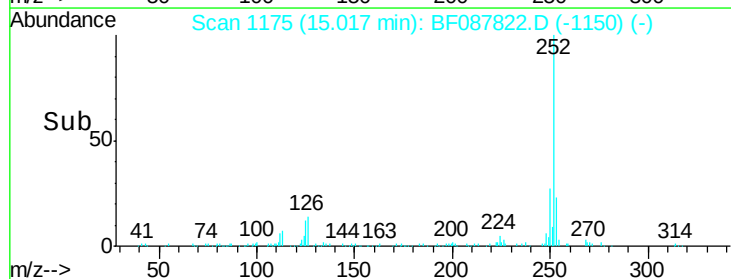
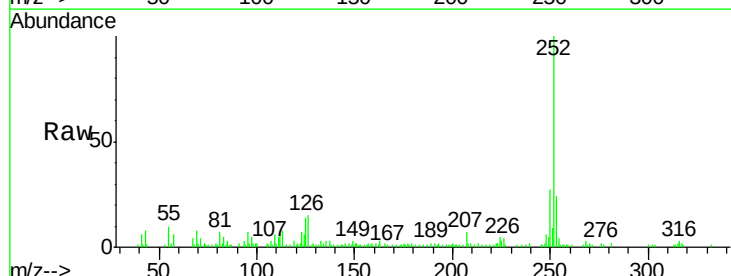
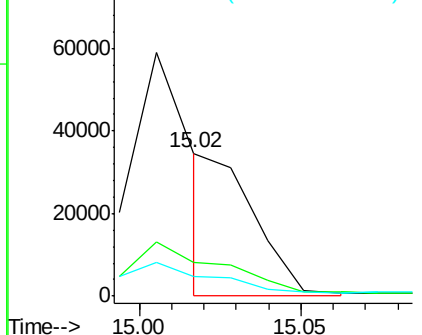
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

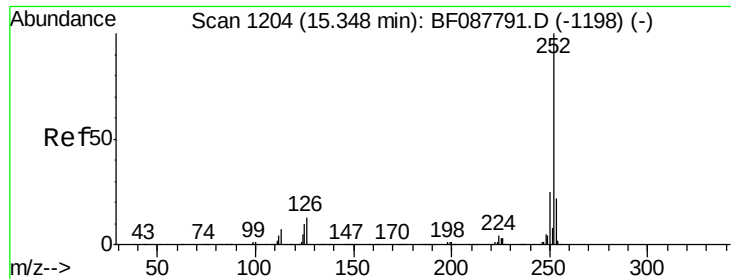


#88
Benzo(k)fluoranthene
Concen: 2.87 ng m
RT: 15.02 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF087822.D
Acq: 8 Jun 2016 21:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	14.2	11.2	16.8

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





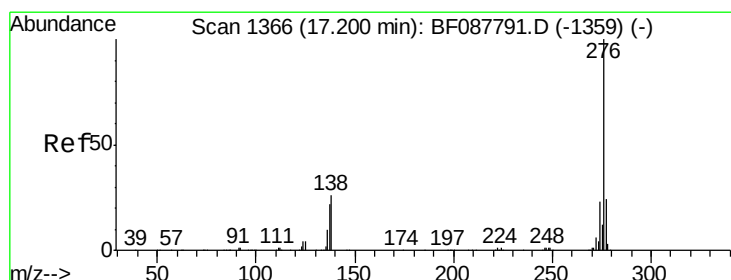
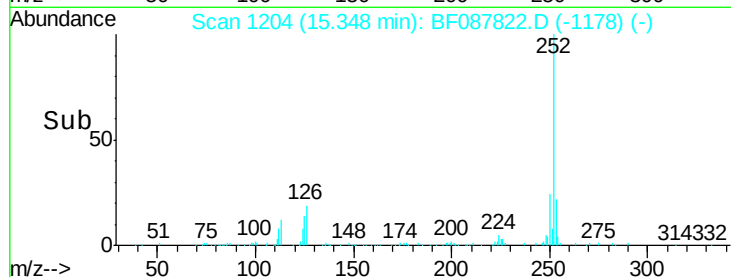
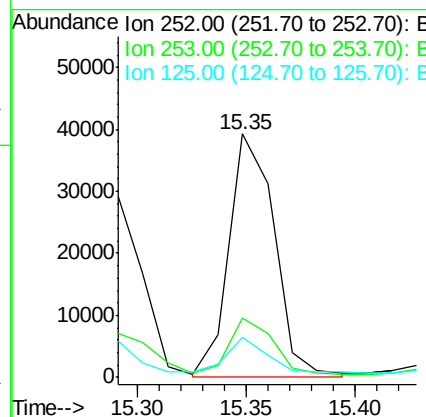
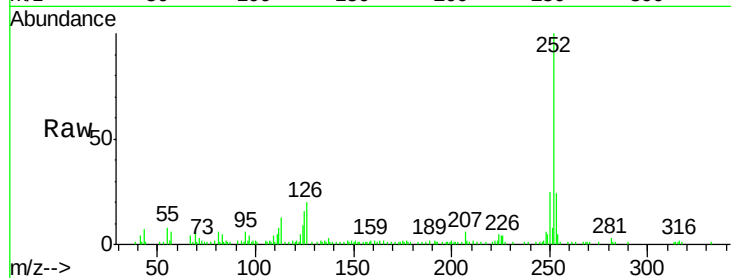
#89
Benzo(a)pyrene
Concen: 4.72 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF087822.D
Acq: 8 Jun 2016 21:18

Instrument :
BNA_F
ClientSampleId :
SS-22

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	16.3	12.5	18.7

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#91
Benzo(g,h,i)perylene
Concen: 2.41 ng
RT: 17.21 min Scan# 1367
Delta R.T. 0.01 min
Lab File: BF087822.D
Acq: 8 Jun 2016 21:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.9	28.3
138	25.1	21.4	32.2

