

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
 Data File : BF087812.D
 Acq On : 8 Jun 2016 16:22
 Operator : UM/SJ
 Sample : H3378-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-20

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Quant Time: Jun 09 07:26:54 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	99097	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	435128	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	185139	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	292089	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	208282	20.00	ng	0.00
86) Perylene-d12	15.42	264	205675	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	353235	60.94	ng	-0.01
7) Phenol-d6	6.46	99	477124	67.92	ng	-0.02
23) Nitrobenzene-d5	7.38	82	229526	30.80	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	92226	47.18	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	404241	30.77	ng	-0.02
78) Terphenyl-d14	12.95	244	306730	33.51	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.59	163	127626	9.52	ng	99
70) Phenanthrene	11.37	178	40118	2.62	ng	99
74) Fluoranthene	12.56	202	68608	4.24	ng	98
77) Pyrene	12.79	202	58488	3.78	ng	99
80) Benzo(a)anthracene	13.98	228	31856	2.68	ng	97
82) Chrysene	14.01	228	23846m	2.14	ng	
87) Benzo(b)fluoranthene	15.01	252	35812m	2.50	ng	
89) Benzo(a)pyrene	15.36	252	26338	2.27	ng	97

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

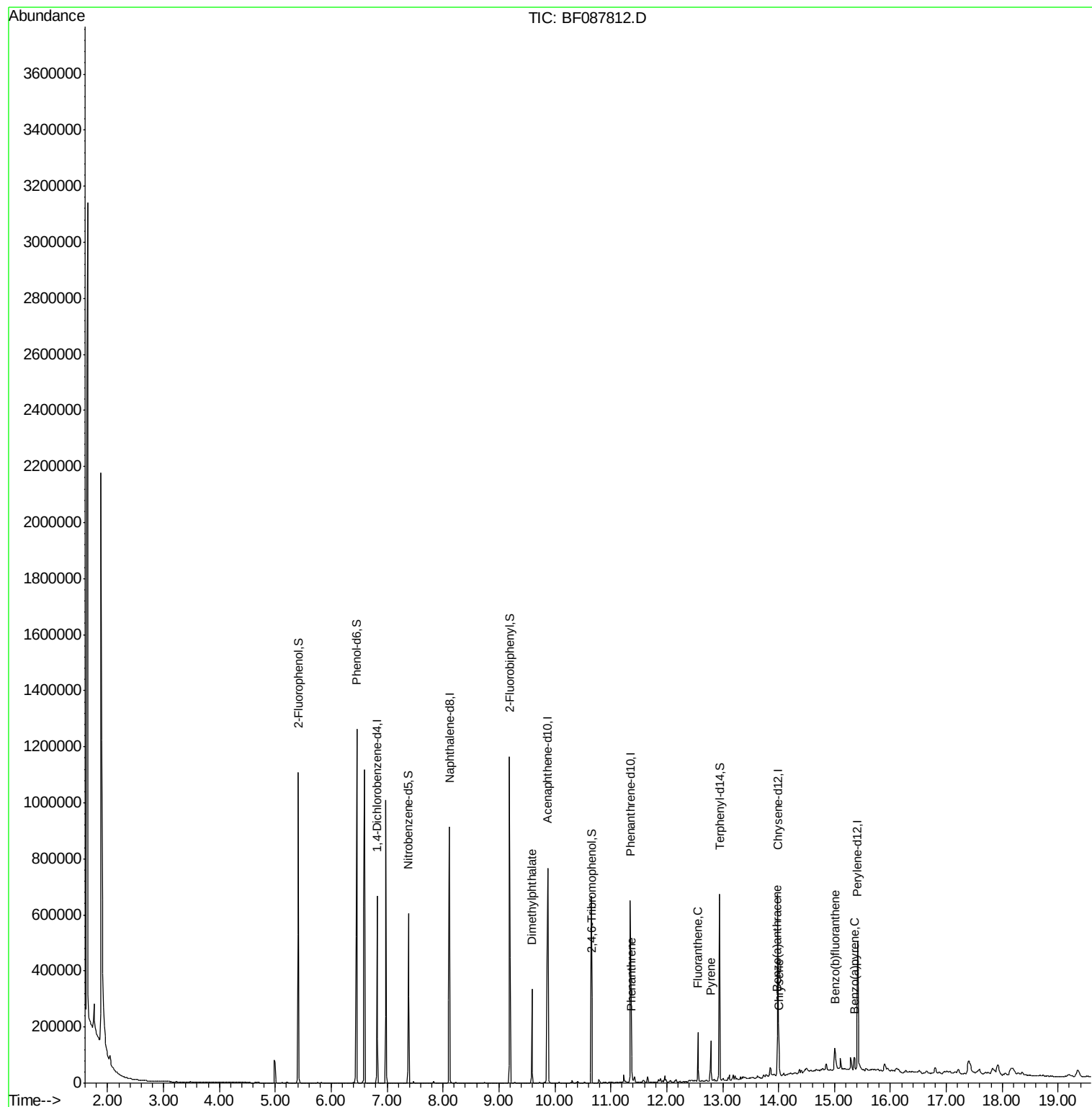
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
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Misc :
ALS Vial : 7 Sample Multiplier: 1

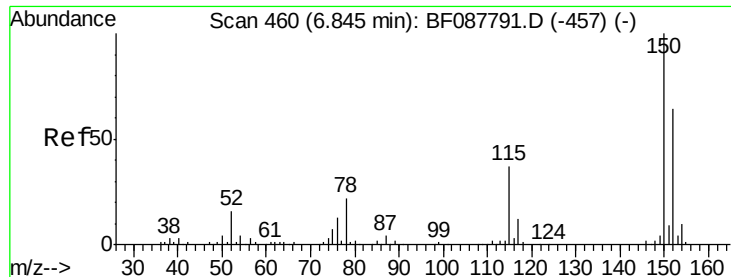
Instrument :
BNA_F
ClientSampleId :
SS-20

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Quant Time: Jun 09 07:26:54 2016
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#1

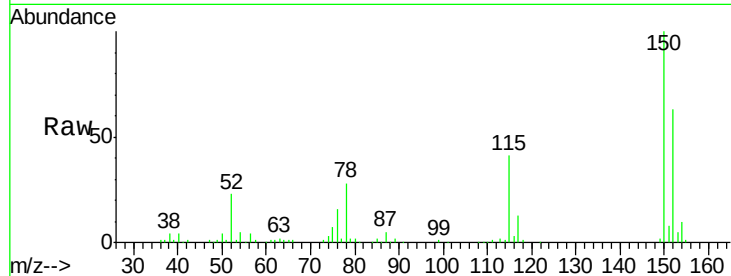
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF087812.D
Acq: 8 Jun 2016 16:22

Instrument :
BNA_F
ClientSampleId :
SS-20

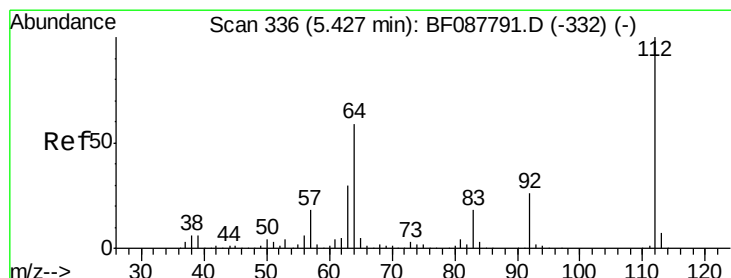
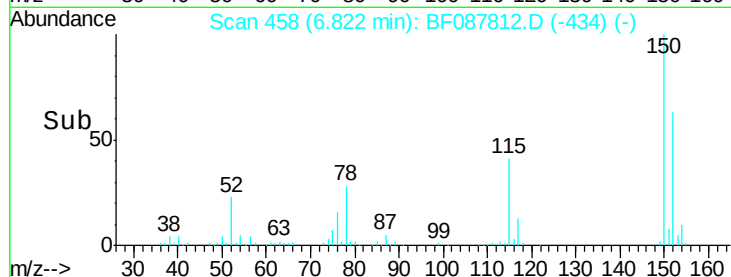
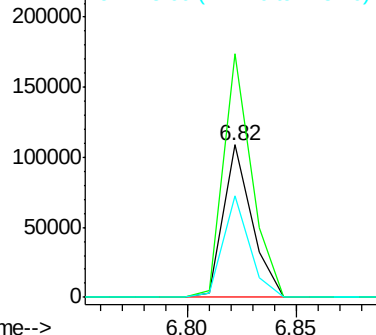
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	123.8	185.6
115	66.1	39.6	59.4

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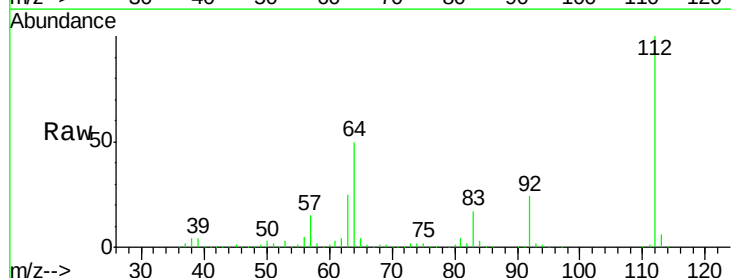
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



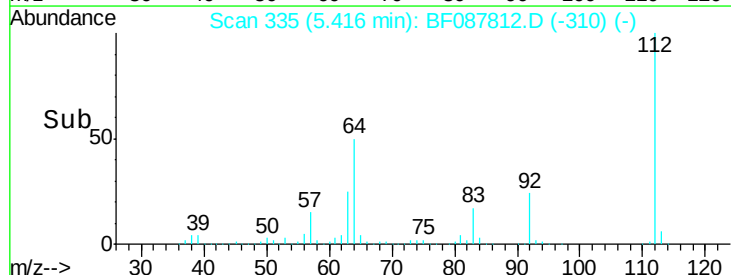
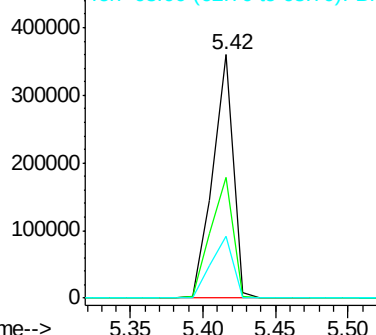
#5

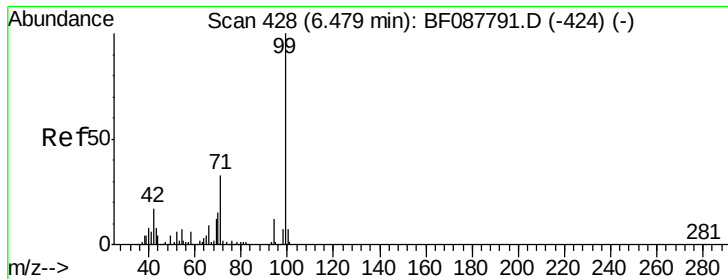
2-Fluorophenol
Concen: 60.94 ng
RT: 5.42 min Scan# 335
Delta R.T. -0.01 min
Lab File: BF087812.D
Acq: 8 Jun 2016 16:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.7	42.2	63.2
63	25.3	21.8	32.8



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: 67.92 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087812.D

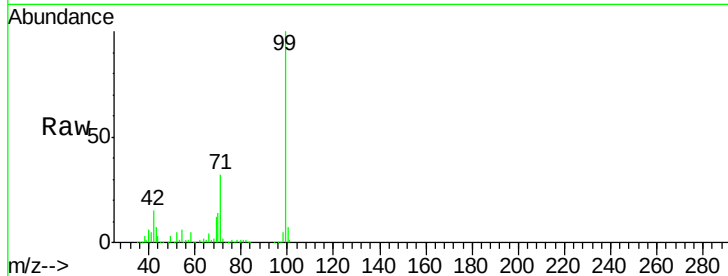
Acq: 8 Jun 2016 16:22

Instrument :

BNA_F

ClientSampleId :

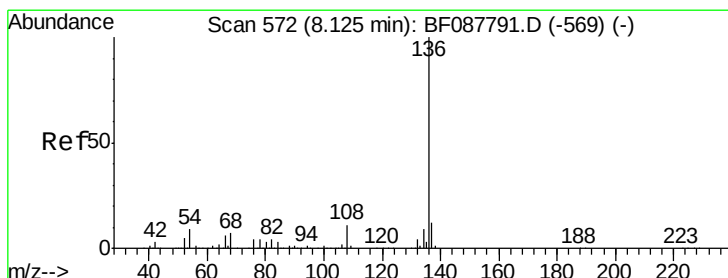
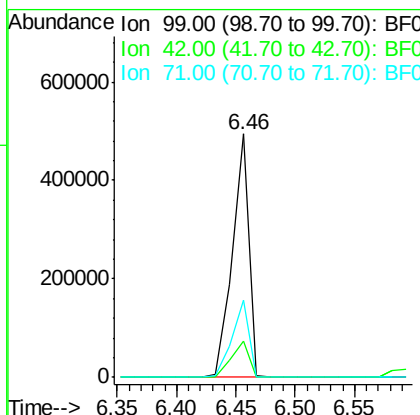
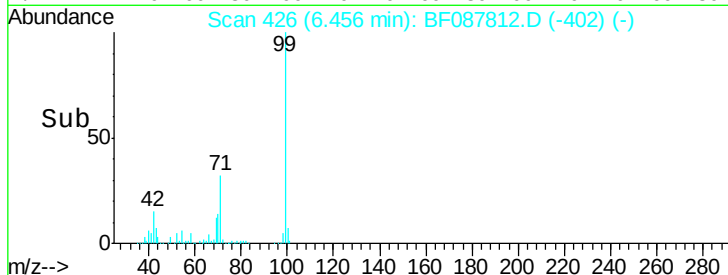
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		477124		
42	14.9	12.2	18.2		
71	31.6	23.4	35.0		

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#21

Naphthalene-d8

Concen: 20.00 ng

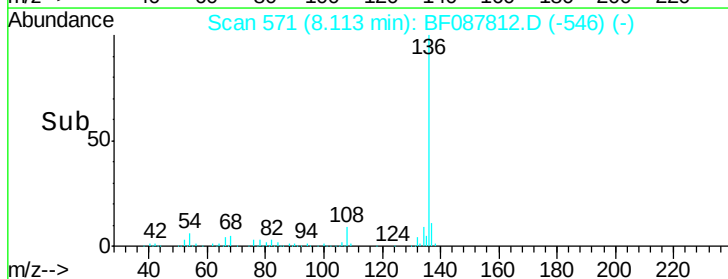
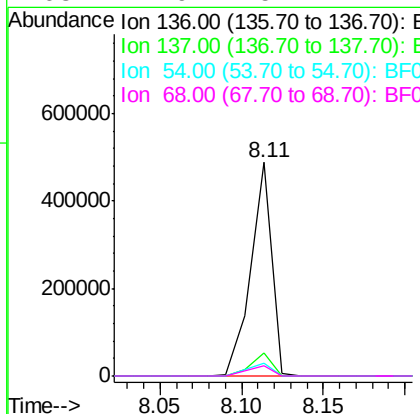
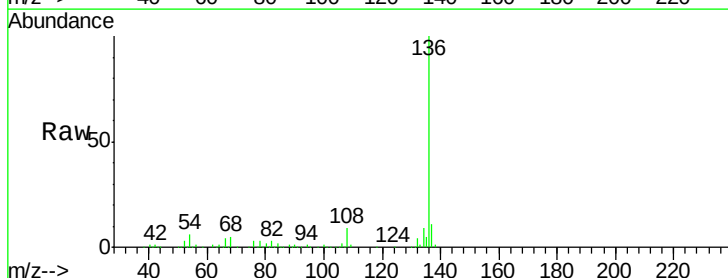
RT: 8.11 min Scan# 571

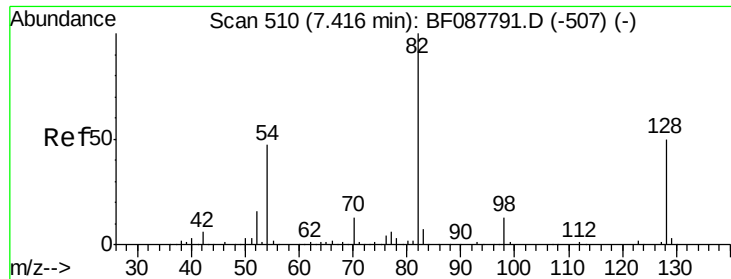
Delta R.T. -0.01 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		435128		
137	11.0	9.1	13.7		
54	5.7	6.6	10.0#		
68	4.9	5.1	7.7#		





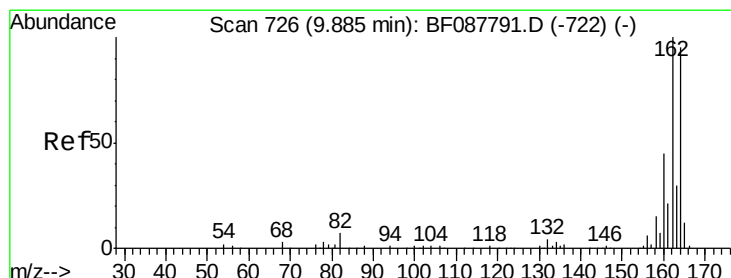
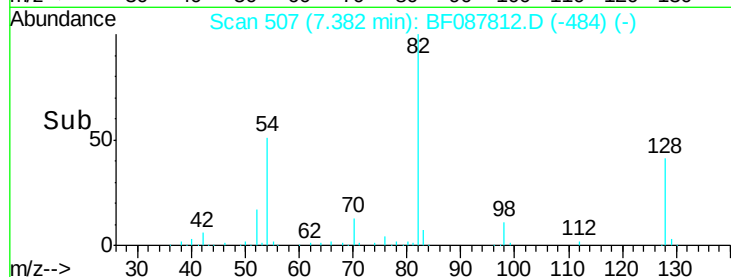
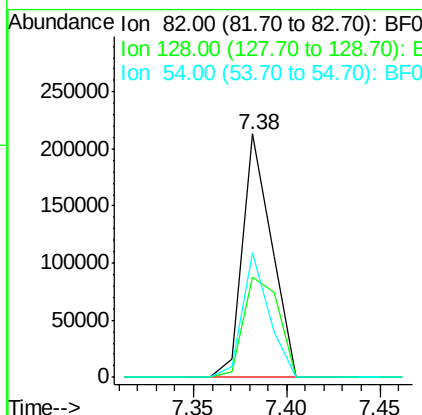
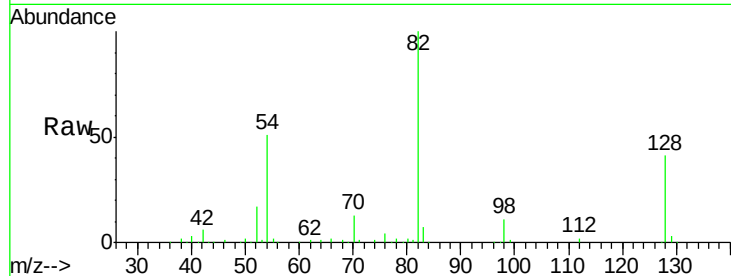
#23
 Nitrobenzene-d5
 Concen: 30.80 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: BF087812.D
 Acq: 8 Jun 2016 16:22

Instrument :
 BNA_F
 ClientSampleId :
 SS-20

Tot Ion	Ratio	Resp	Lower	Upper
82	100	229526		
128	41.0		35.9	53.9
54	51.4		40.9	61.3

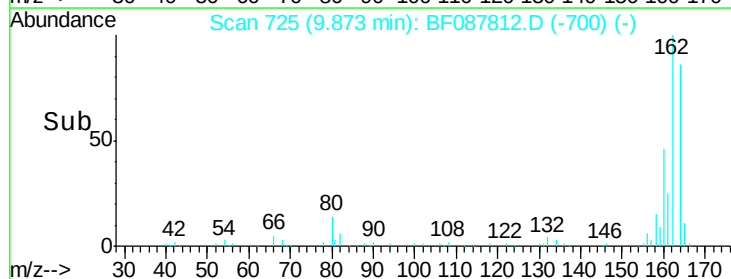
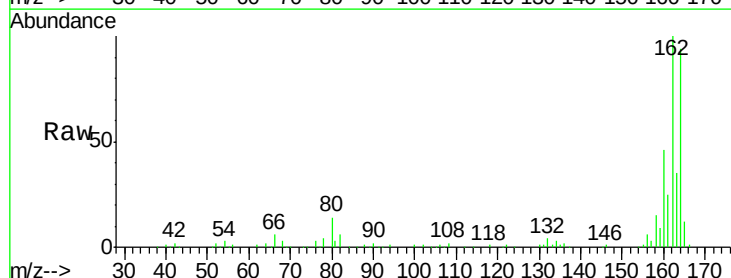
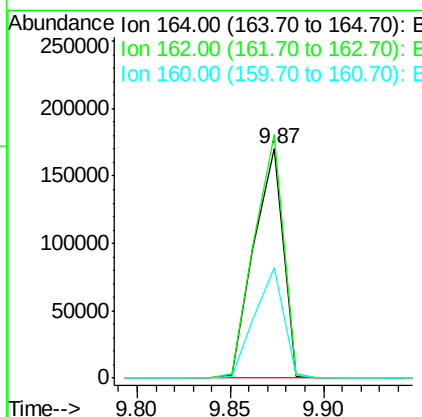
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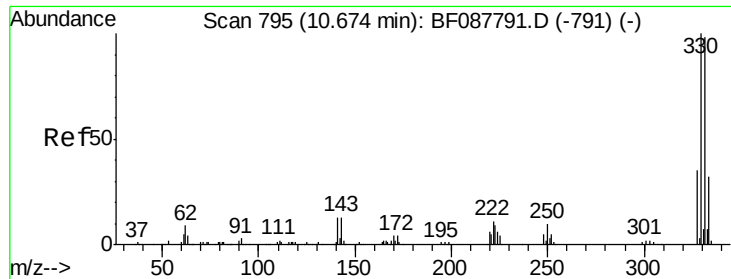
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF087812.D
 Acq: 8 Jun 2016 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	185139		
162	106.1		85.4	128.2
160	48.4		39.5	59.3





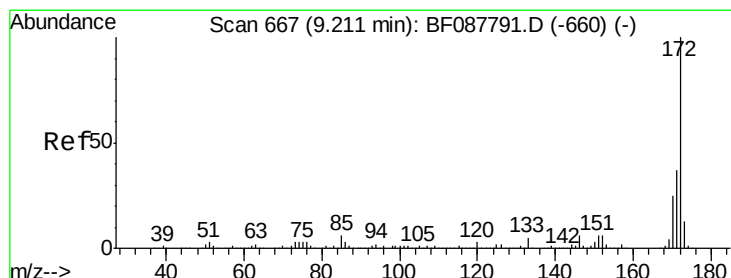
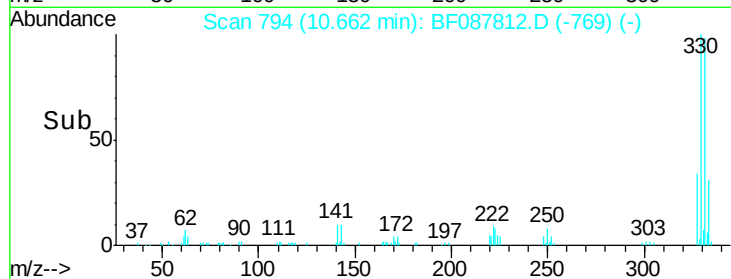
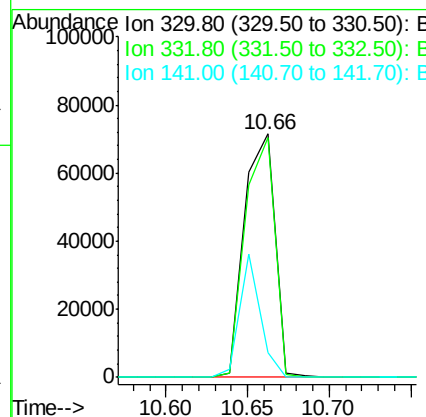
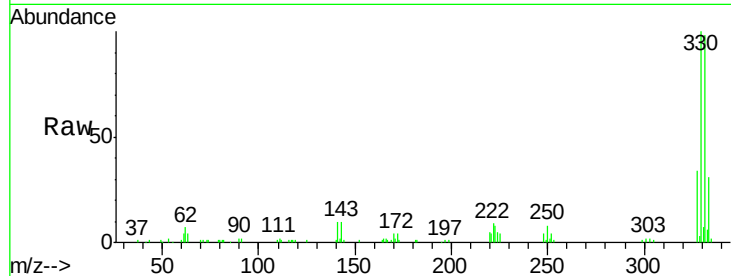
#41
 2,4,6-Tribromophenol
 Concen: 47.18 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087812.D
 Acq: 8 Jun 2016 16:22

Instrument :
 BNA_F
 ClientSampleId :
 SS-20

Tot Ion:	330	Resp:	92226
Ion Ratio		Lower	Upper
330	100		
332	95.8	0.0	0.0#
141	34.0	0.0	0.0#

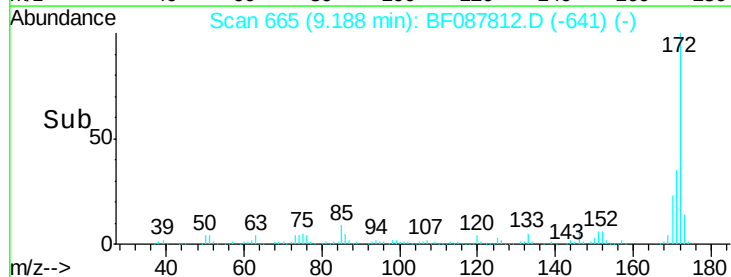
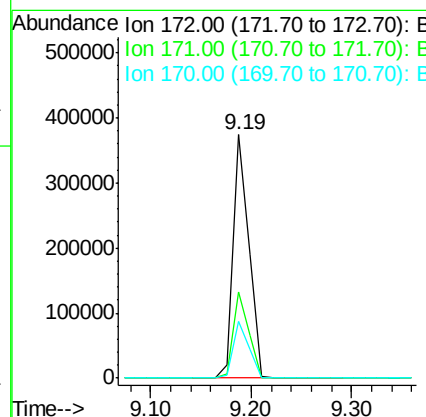
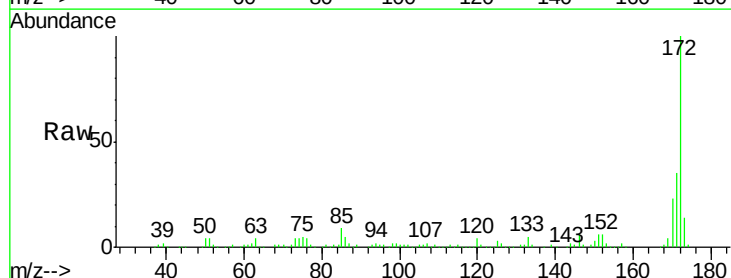
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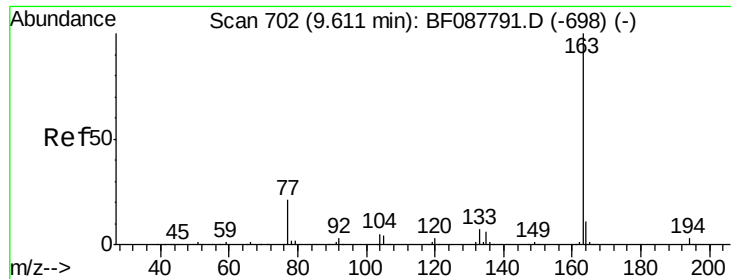
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#44
 2-Fluorobiphenyl
 Concen: 30.77 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087812.D
 Acq: 8 Jun 2016 16:22

Tgt Ion:	172	Resp:	404241
Ion Ratio		Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.4	19.2	28.8





#49

Dimethylphthalate

Concen: 9.52 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

Instrument :

BNA_F

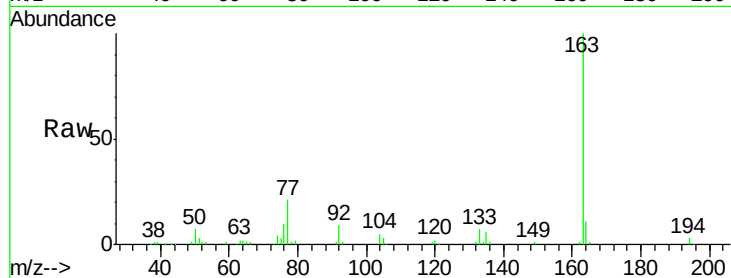
ClientSampled :

SS-20

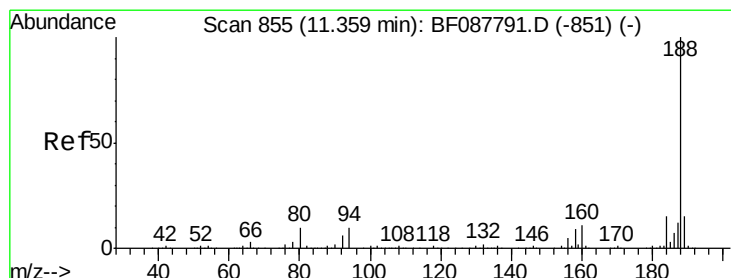
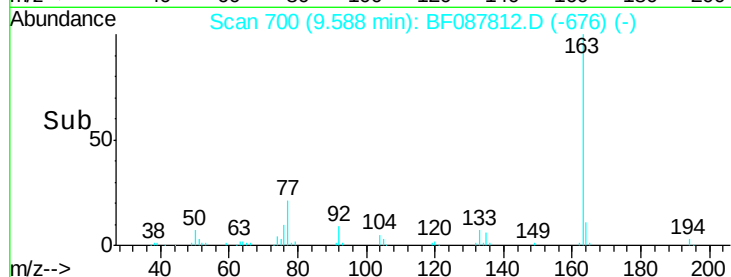
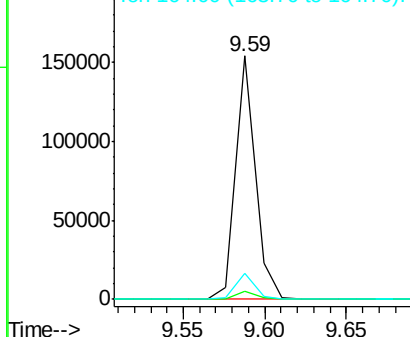
Tot Ion:	163	Resp:	127626
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.8	4.2
164	10.5	8.3	12.5

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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



#63

Phenanthrene-d10

Concen: 20.00 ng

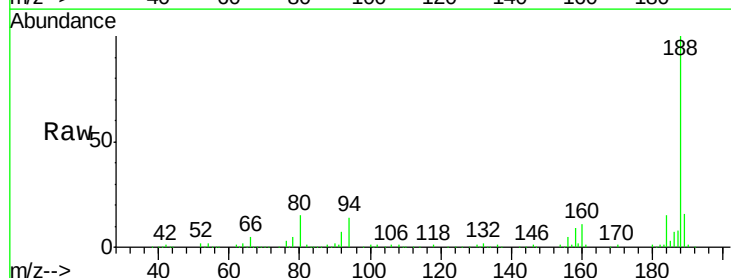
RT: 11.35 min Scan# 854

Delta R.T. -0.01 min

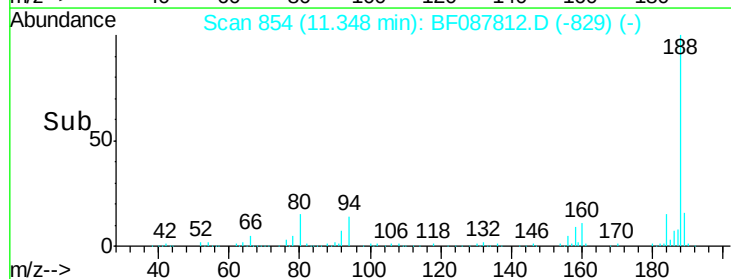
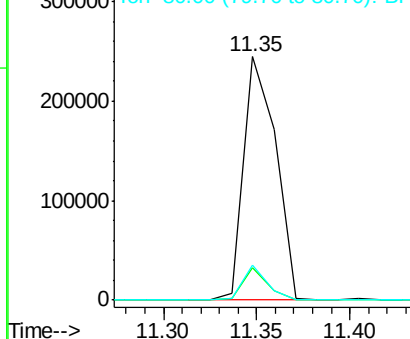
Lab File: BF087812.D

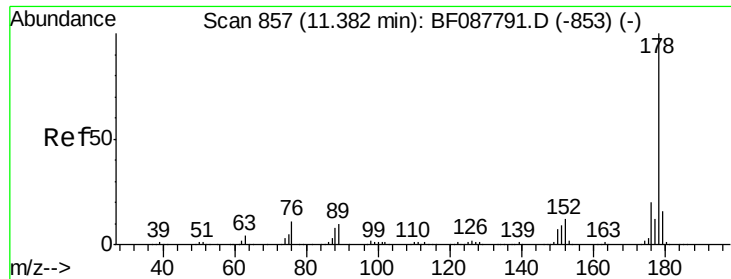
Acq: 8 Jun 2016 16:22

Tgt Ion:	188	Resp:	292089
Ion Ratio	Lower	Upper	
188	100		
94	13.5	9.0	13.6
80	14.6	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





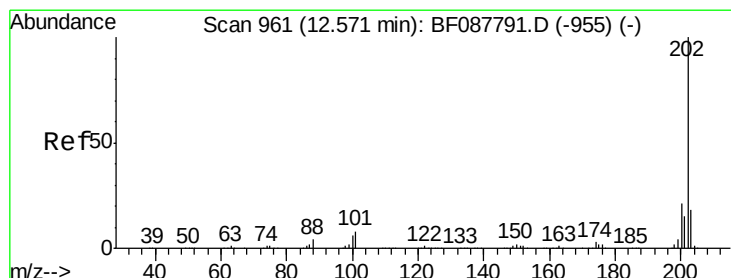
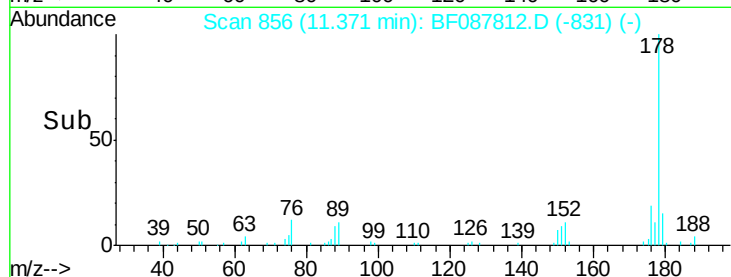
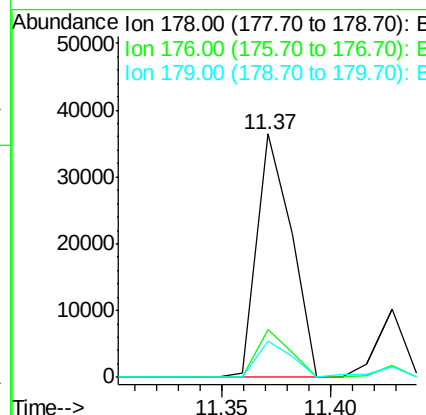
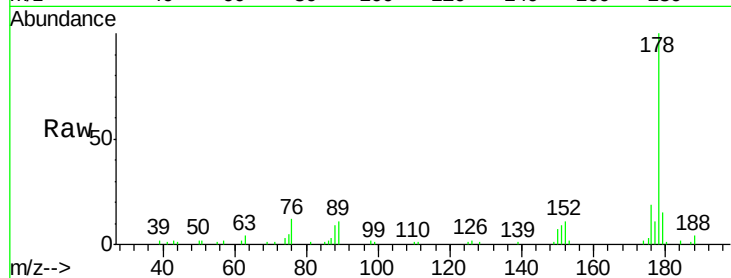
#70
 Phenanthrene
 Concen: 2.62 ng
 RT: 11.37 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BF087812.D
 Acq: 8 Jun 2016 16:22

Instrument :
 BNA_F
 ClientSampleId :
 SS-20

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.6
179	15.1	13.0	19.4

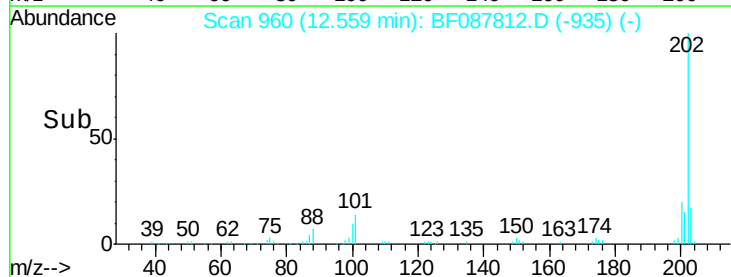
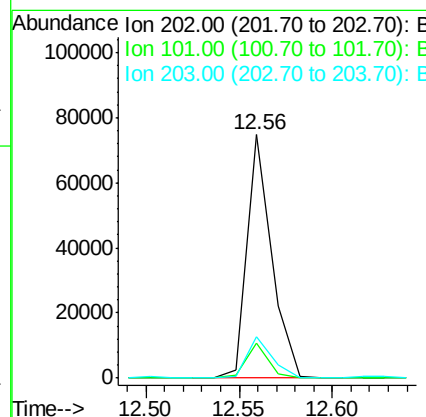
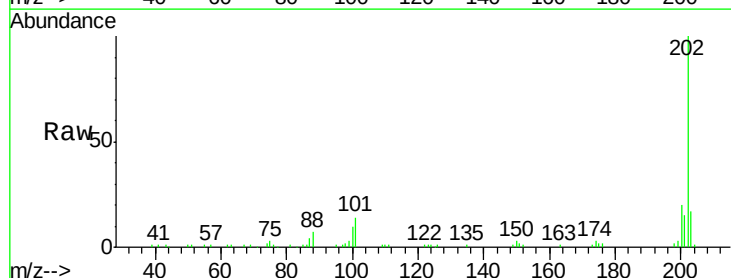
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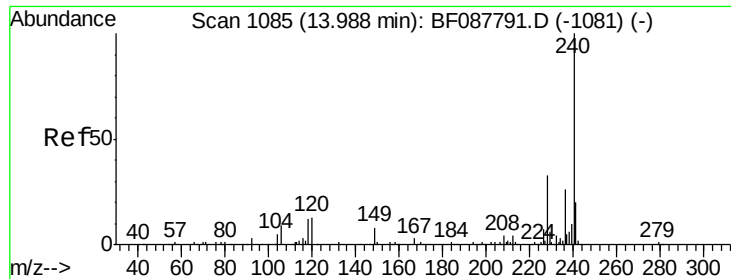
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#74
 Fluoranthene
 Concen: 4.24 ng
 RT: 12.56 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF087812.D
 Acq: 8 Jun 2016 16:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	33.1
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

Instrument :

BNA_F

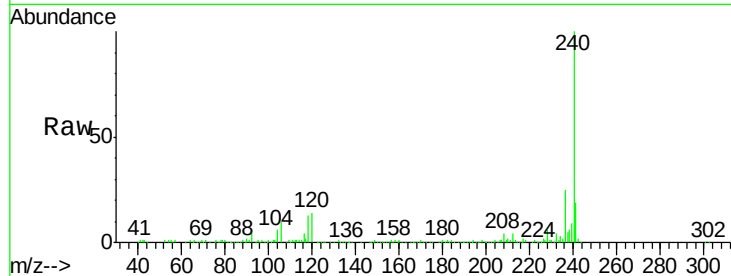
ClientSampled :

SS-20

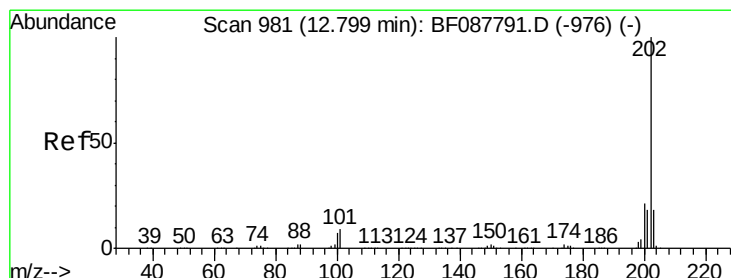
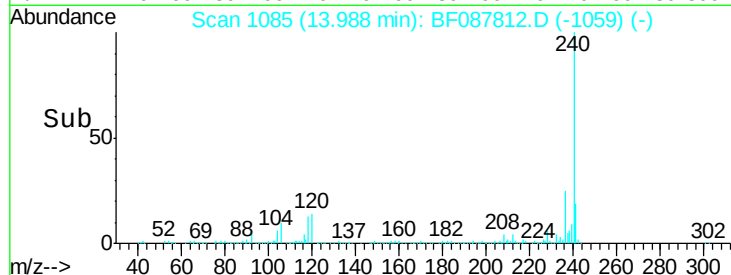
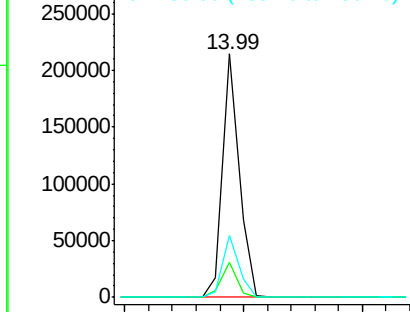
Tot Ion	Ratio	Resp	Lower	Upper
240	100	208282		
120	14.2	6.8	10.2	
236	25.4	20.2	30.2	

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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

Pyrene

Concen: 3.78 ng

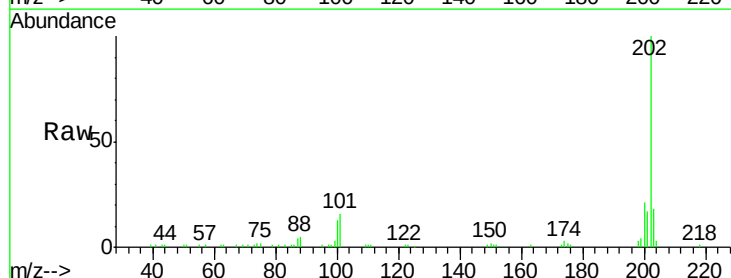
RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

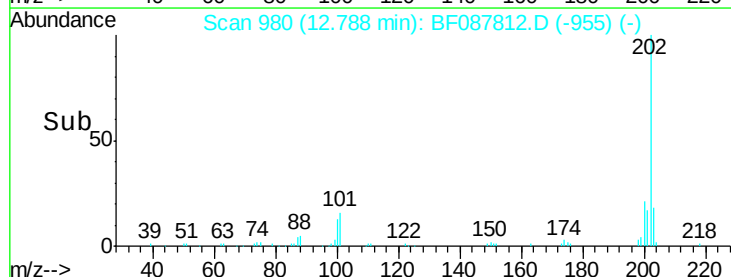
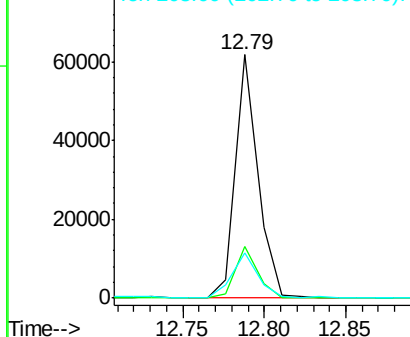
Lab File: BF087812.D

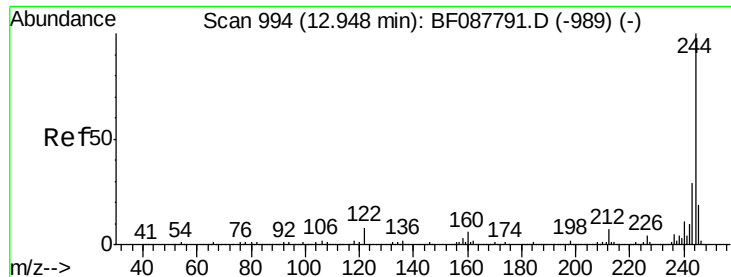
Acq: 8 Jun 2016 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	58488		
200	21.2	17.4	26.2	
203	18.4	14.5	21.7	



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





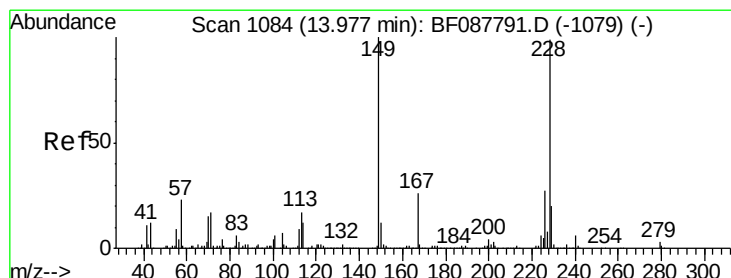
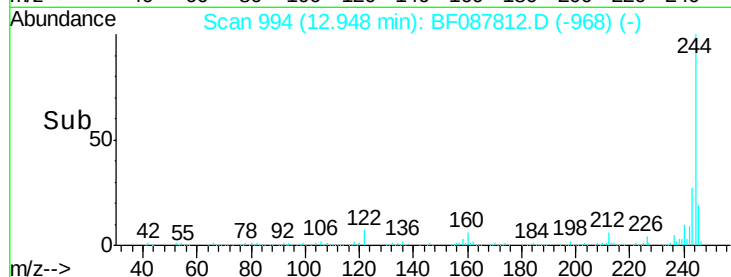
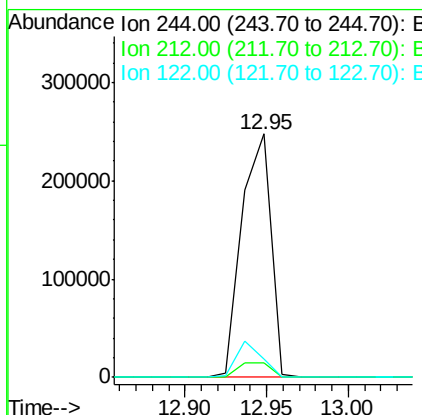
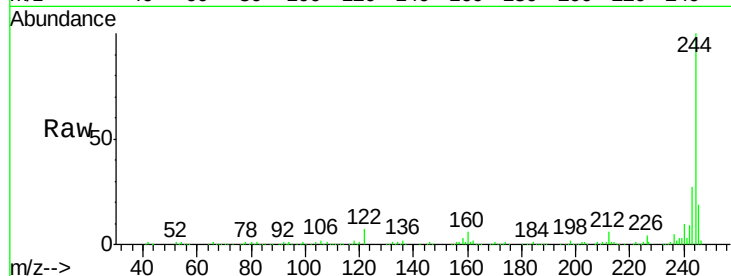
#78
 Terphenyl-d14
 Concen: 33.51 ng
 RT: 12.95 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: BF087812.D
 Acq: 8 Jun 2016 16:22

Instrument :
 BNA_F
 ClientSampleId :
 SS-20

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.1	6.0	9.0
122	7.5	11.2	16.8#

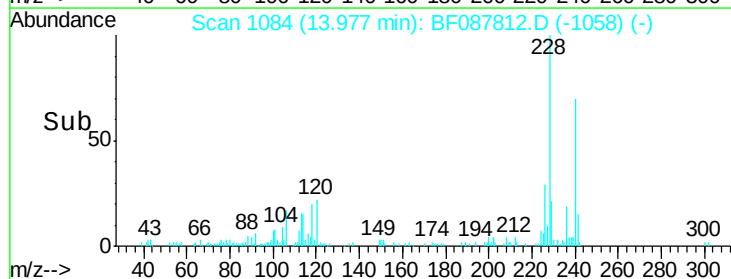
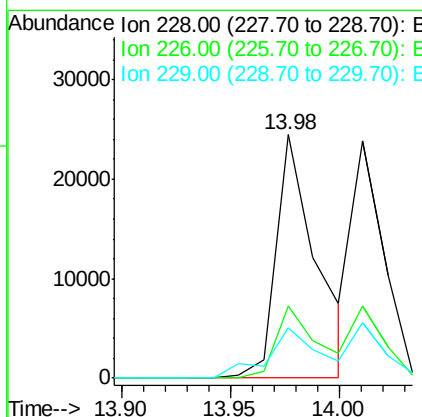
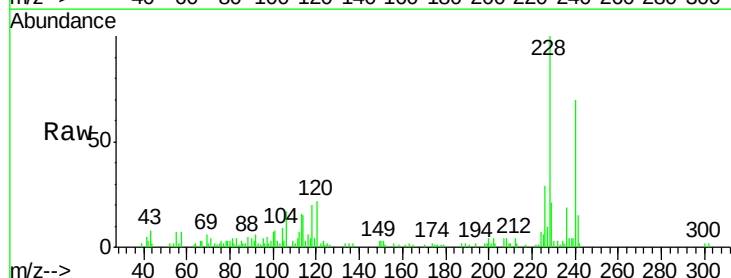
Manual Integrations
 APPROVED

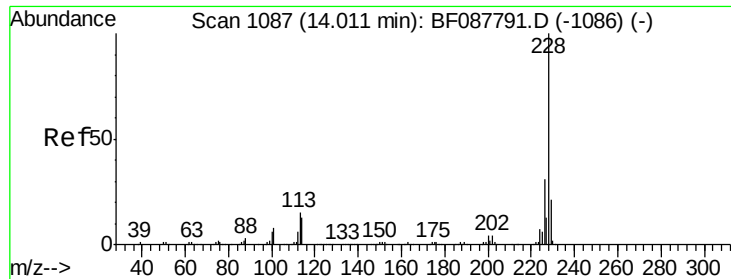
sohil
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#80
 Benzo(a)anthracene
 Concen: 2.68 ng
 RT: 13.98 min Scan# 1084
 Delta R.T. -0.00 min
 Lab File: BF087812.D
 Acq: 8 Jun 2016 16:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.3	33.5
229	20.8	16.0	24.0





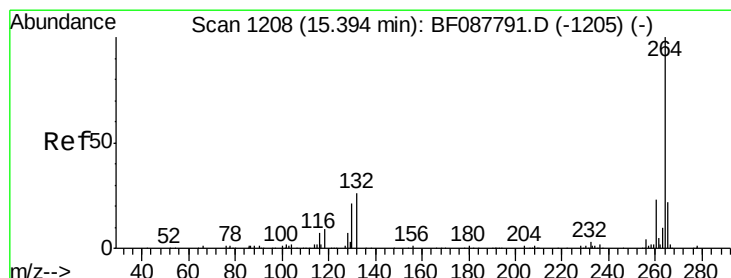
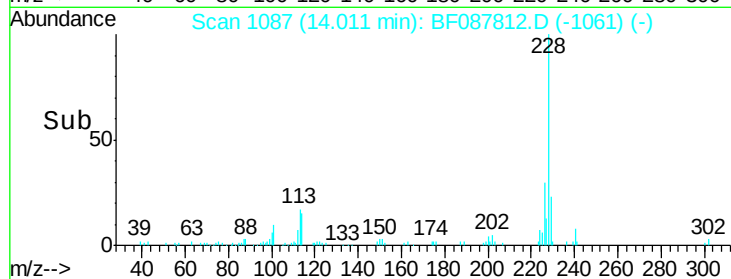
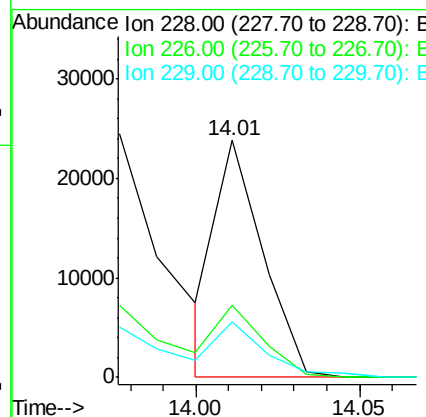
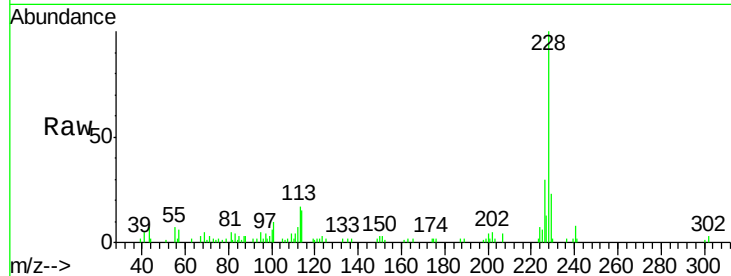
#82
Chrysene
Concen: 2.14 ng/mL
RT: 14.01 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BF087812.D
Acq: 8 Jun 2016 16:22

Instrument :
BNA_F
ClientSampleId :
SS-20

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.2
229	23.4	16.3	24.5

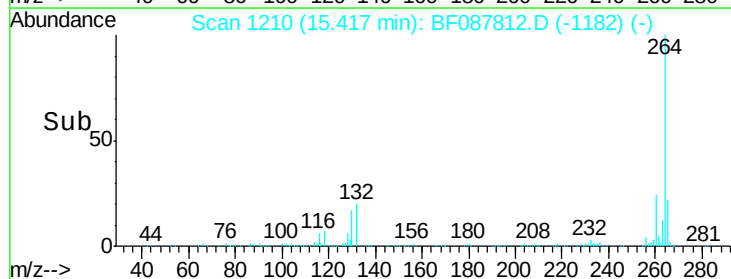
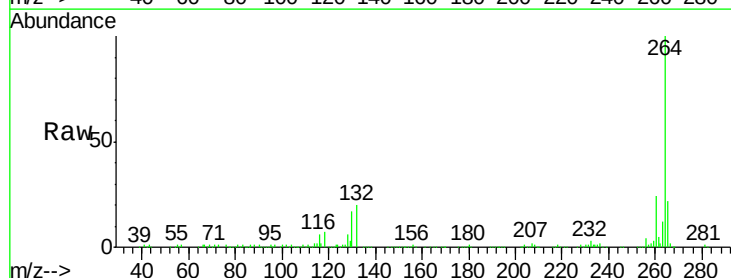
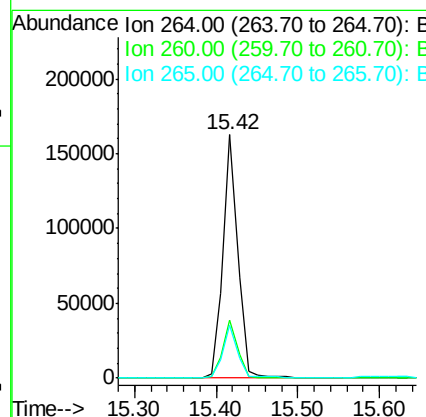
Manual Integrations
APPROVED

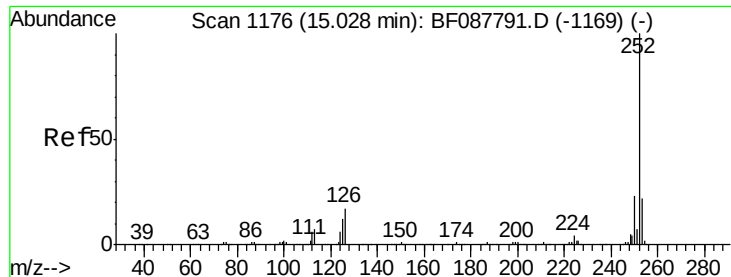
sohil
6/9/2016 7:59:25 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. 0.02 min
Lab File: BF087812.D
Acq: 8 Jun 2016 16:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.7	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 2.50 ng

RT: 15.01 min Scan# 1174

Delta R.T. 0.01 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

Instrument :

BNA_F

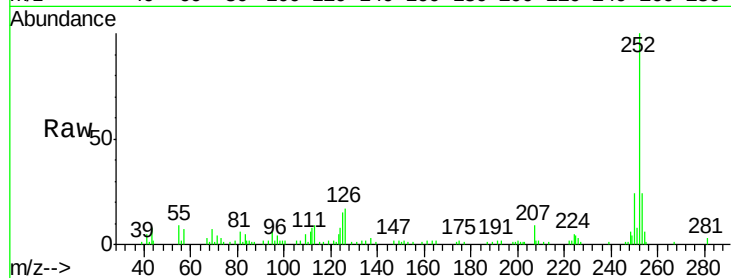
ClientSampled :

SS-20

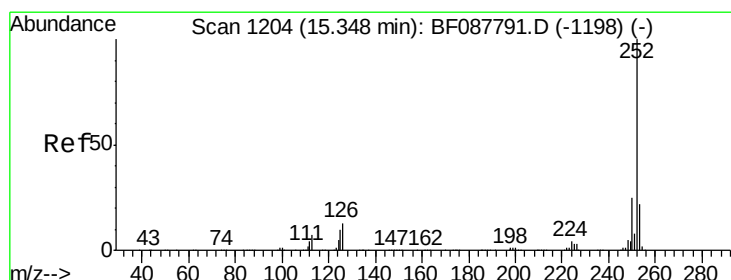
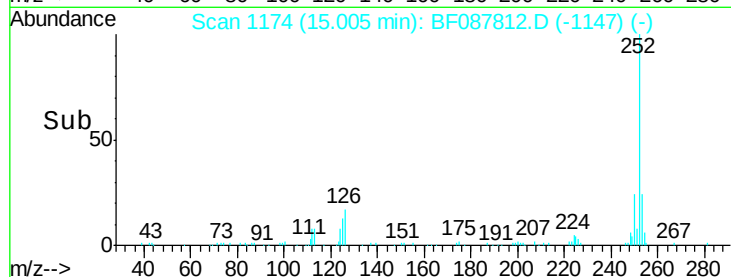
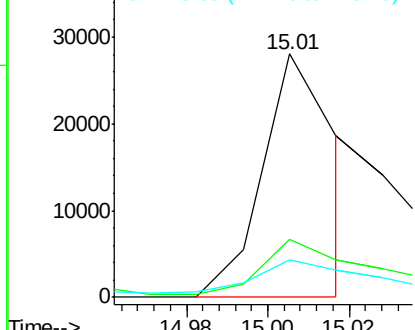
Tot Ion:	252	Resp:	35812
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.4	26.2
125	15.4	7.1	10.7#

Manual Integrations
APPROVED

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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



#89

Benzo(a)pyrene

Concen: 2.27 ng

RT: 15.36 min Scan# 1205

Delta R.T. 0.01 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

Tgt Ion:	252	Resp:	26338
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.9	26.9
125	12.8	12.5	18.7

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

