

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
 Data File : BF087825.D
 Acq On : 8 Jun 2016 22:46
 Operator : UM/SJ
 Sample : H3399-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-27

Manual Integrations
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Quant Time: Jun 09 13:15:47 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	87268	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	376767	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	156498	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	259608	20.00	ng	0.00
75) Chrysene-d12	13.99	240	211858	20.00	ng	0.00
86) Perylene-d12	15.42	264	168453	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	589675	115.51	ng	0.00
7) Phenol-d6	6.47	99	844956	136.58	ng	-0.01
23) Nitrobenzene-d5	7.39	82	509541	78.97	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	190766	115.44	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	975079	98.78	ng	-0.01
78) Terphenyl-d14	12.95	244	698791	75.06	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.59	163	86110	7.60	ng	98
51) Acenaphthene	9.90	154	20158	2.01	ng	99
70) Phenanthrene	11.38	178	281282	20.65	ng	98
71) Anthracene	11.43	178	81690	5.94	ng	96
72) Carbazole	11.59	167	26344	2.05	ng	98
74) Fluoranthene	12.57	202	399547	27.79	ng	93
77) Pyrene	12.79	202	362542	23.06	ng	97
80) Benzo(a)anthracene	13.98	228	226445	18.76	ng	97
82) Chrysene	14.02	228	168329	14.82	ng	97
85) Indeno(1,2,3-cd)pyrene	16.80	276	85580	8.11	ng	# 100
87) Benzo(b)fluoranthene	15.01	252	246036m	20.96	ng	
88) Benzo(k)fluoranthene	15.03	252	49134m	5.55	ng	
89) Benzo(a)pyrene	15.36	252	153757m	16.19	ng	
90) Dibenzo(a,h)anthracene	16.81	278	24220m	2.75	ng	
91) Benzo(a,h,i)perylene	17.22	276	80207	8.84	ng	96

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

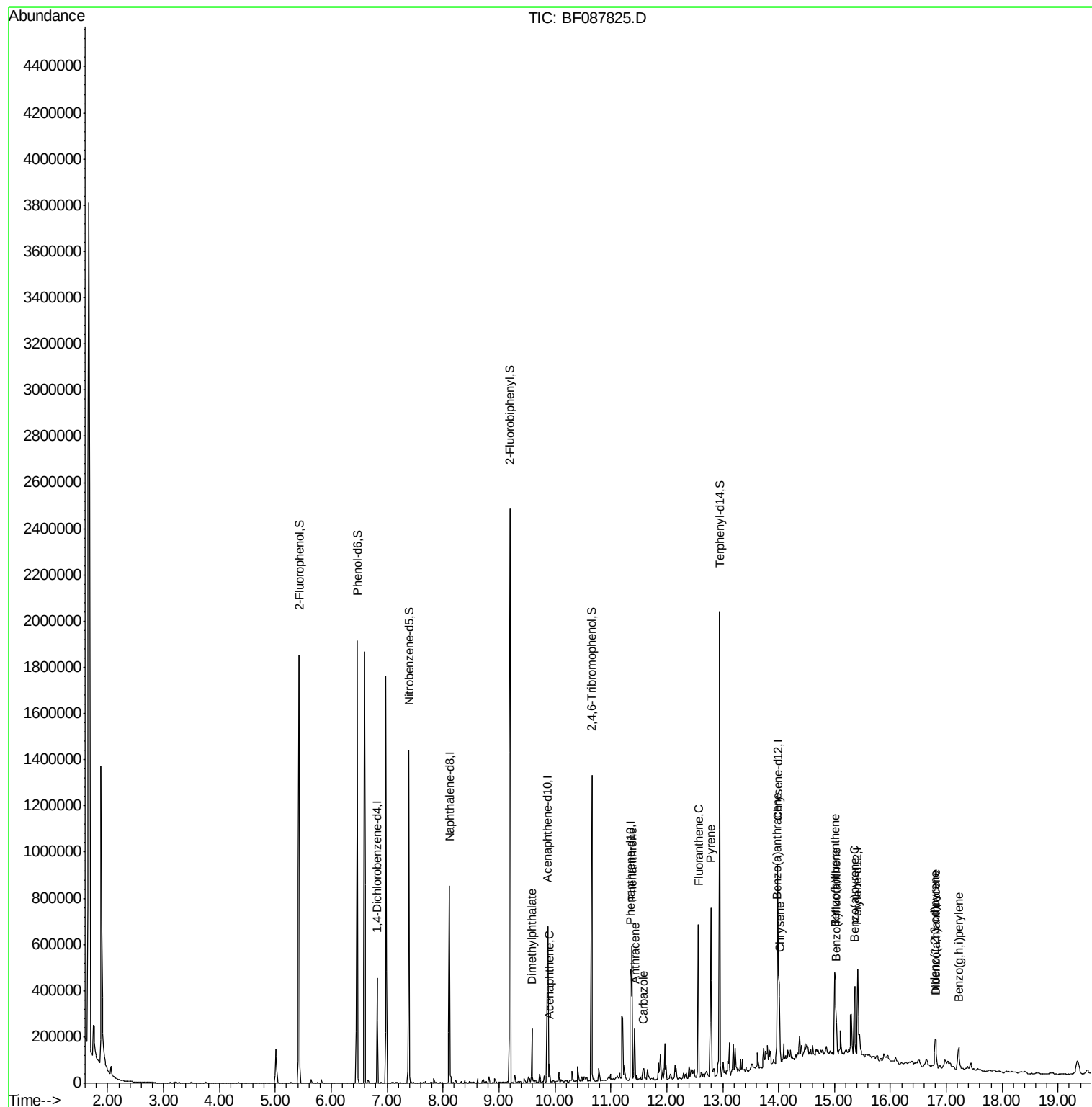
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087825.D
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ALS Vial : 20 Sample Multiplier: 1

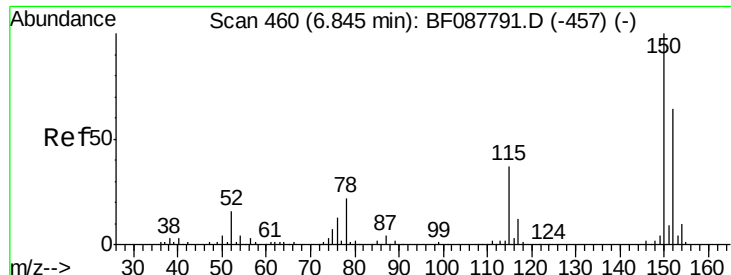
Instrument :
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#1

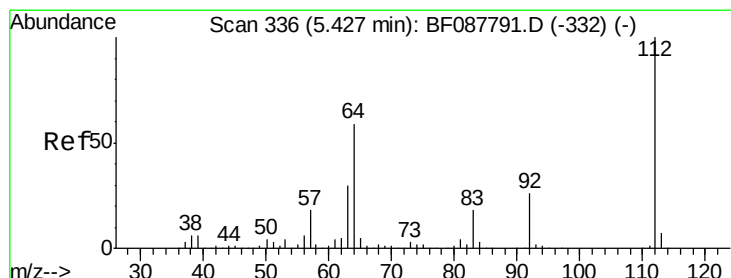
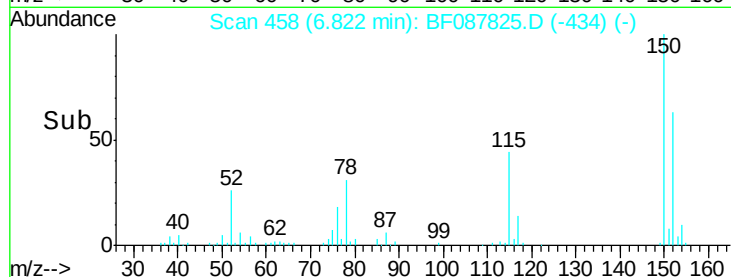
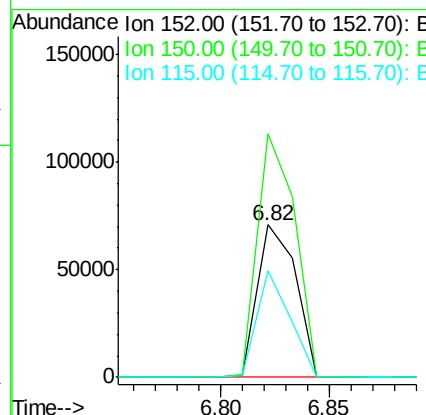
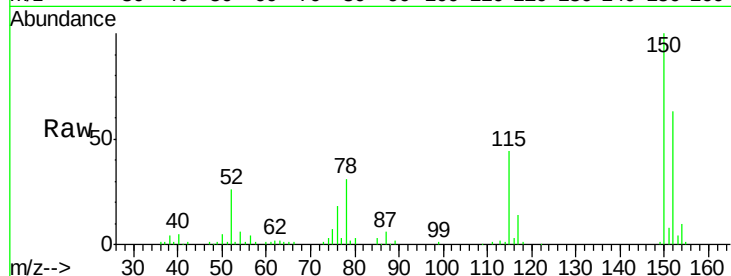
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF087825.D
Acq: 8 Jun 2016 22:46

Instrument :
BNA_F
ClientSampled :
SS-27

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	123.8	185.6
115	69.9	39.6	59.4

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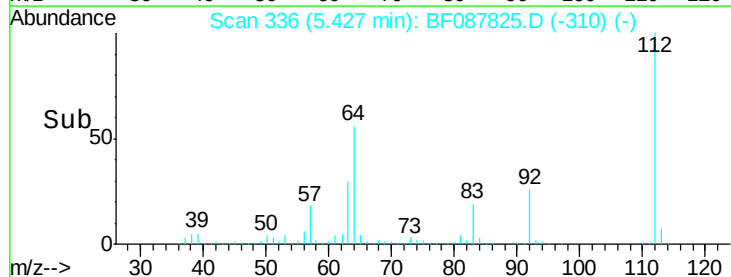
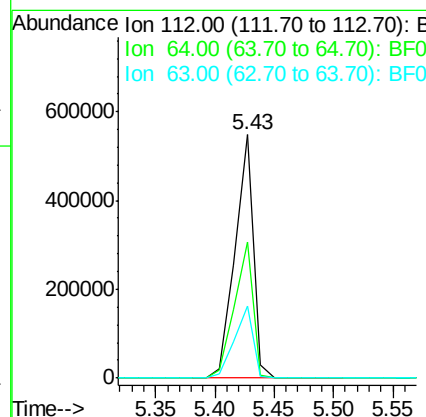
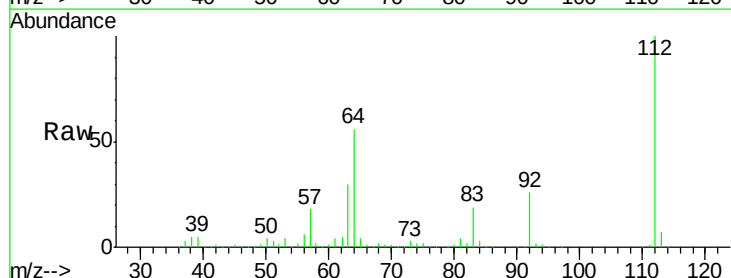
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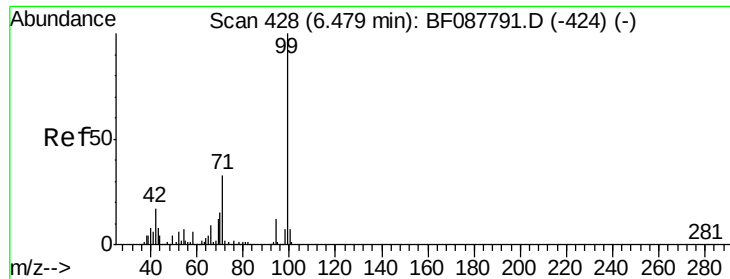


#5

2-Fluorophenol
Concen: 115.51 ng
RT: 5.43 min Scan# 336
Delta R.T. 0.00 min
Lab File: BF087825.D
Acq: 8 Jun 2016 22:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	42.2	63.2
63	29.8	21.8	32.8





#7

Phenol-d6

Concen: 136.58 ng

RT: 6.47 min Scan# 427

Delta R.T. -0.01 min

Lab File: BF087825.D

Acq: 8 Jun 2016 22:46

Instrument :

BNA_F

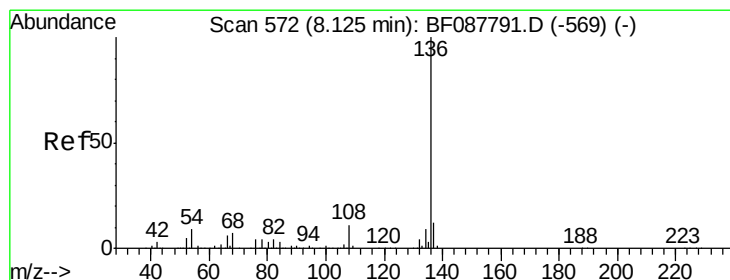
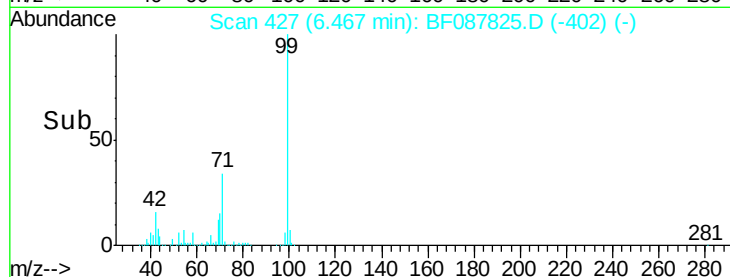
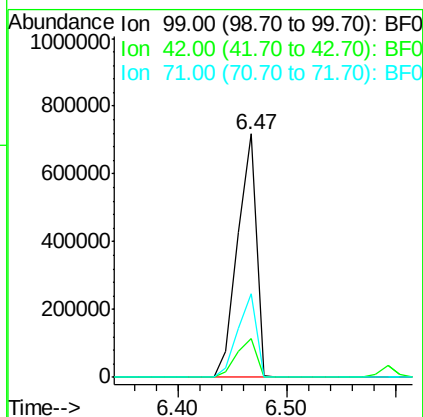
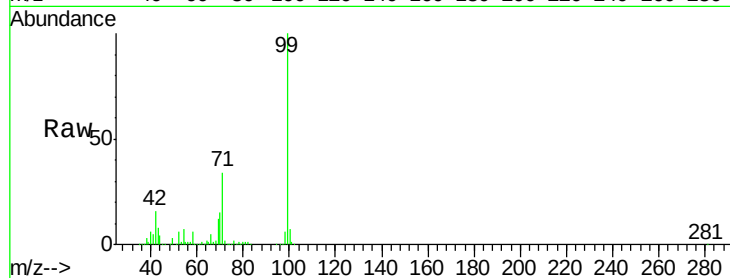
ClientSampleId :

SS-27

Tot Ion:	99	Resp:	844956
Ion Ratio	Lower	Upper	
99	100		
42	16.1	12.2	18.2
71	34.3	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

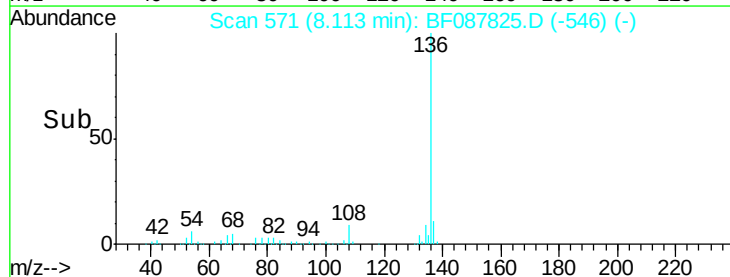
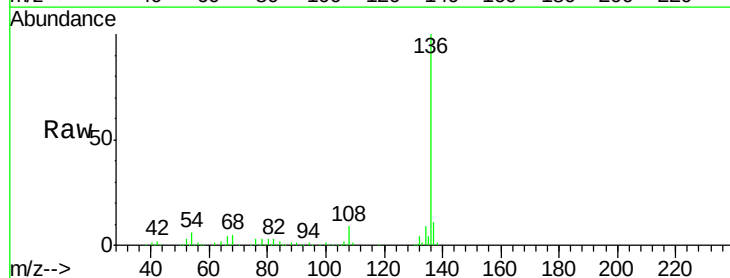
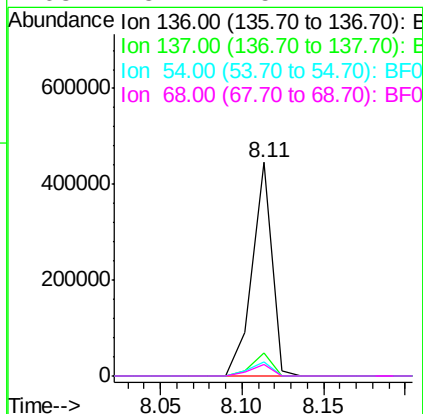
RT: 8.11 min Scan# 571

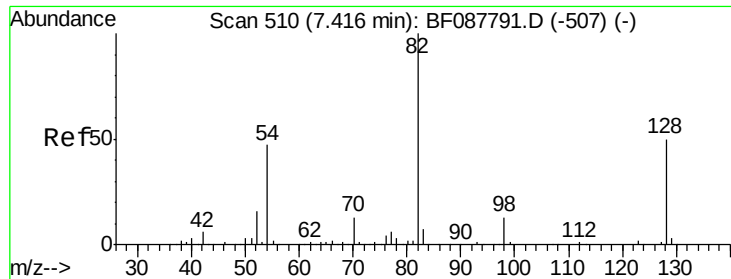
Delta R.T. -0.01 min

Lab File: BF087825.D

Acq: 8 Jun 2016 22:46

Tgt Ion:	136	Resp:	376767
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.1	13.7
54	6.3	6.6	10.0#
68	5.2	5.1	7.7





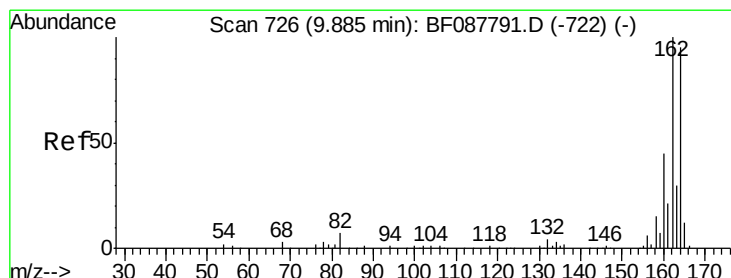
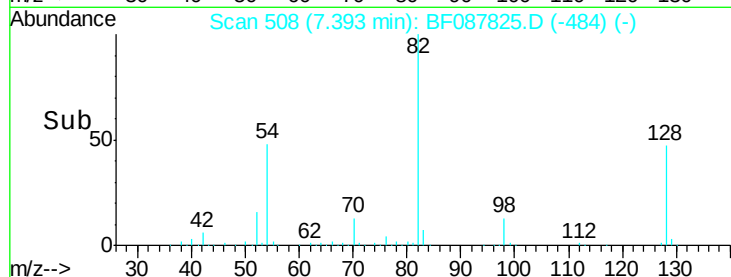
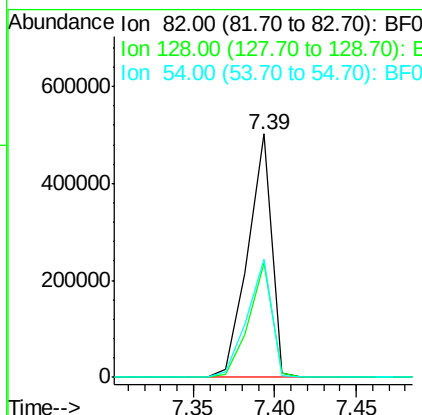
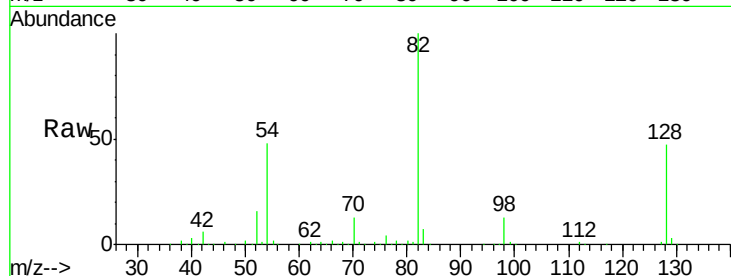
#23
 Nitrobenzene-d5
 Concen: 78.97 ng
 RT: 7.39 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: BF087825.D
 Acq: 8 Jun 2016 22:46

Instrument :
 BNA_F
 ClientSampled :
 SS-27

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.0	35.9	53.9
54	48.4	40.9	61.3

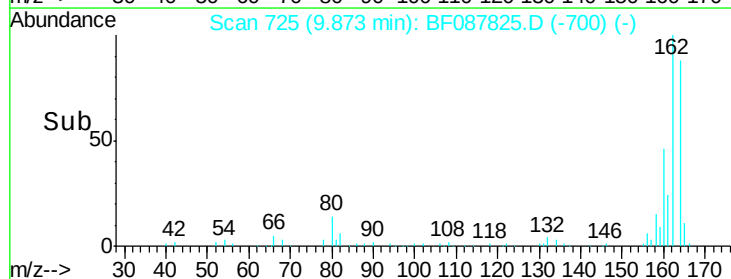
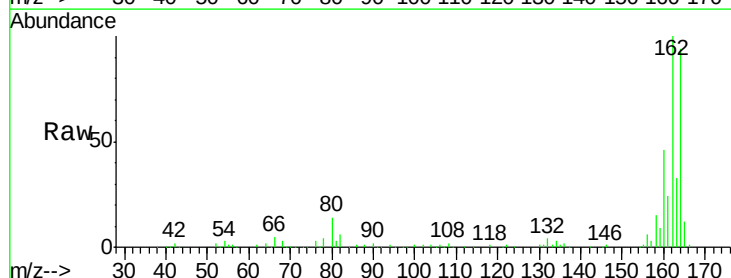
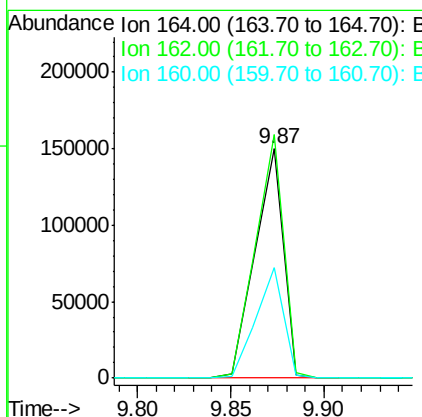
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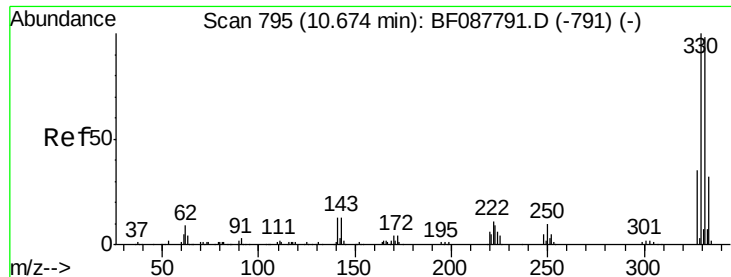
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF087825.D
 Acq: 8 Jun 2016 22:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.3	85.4	128.2
160	48.5	39.5	59.3





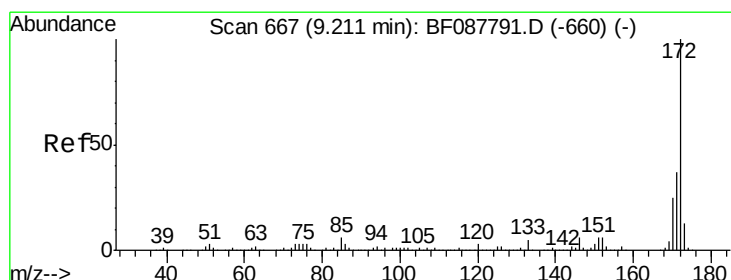
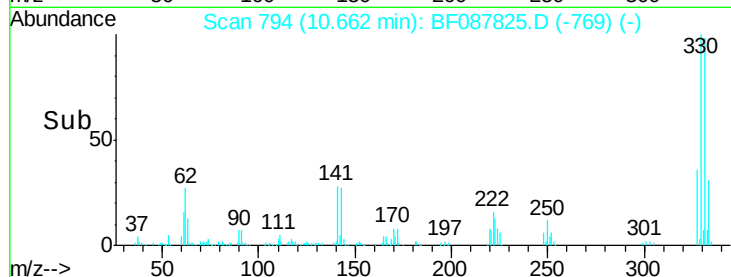
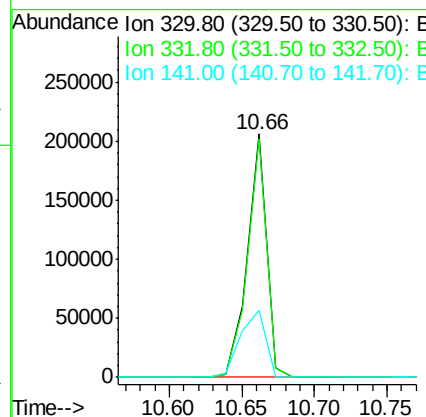
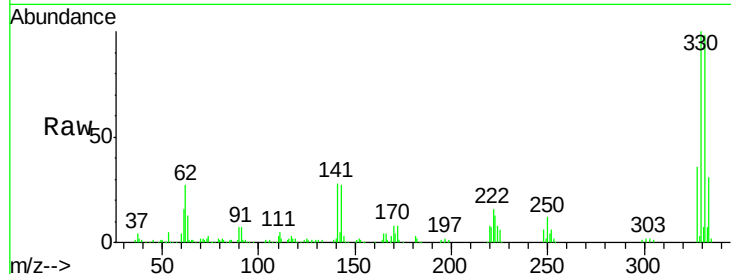
#41
 2,4,6-Tribromophenol
 Concen: 115.44 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087825.D
 Acq: 8 Jun 2016 22:46

Instrument :
 BNA_F
 ClientSampled :
 SS-27

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	97.0	0.0	0.0#
141	36.4	0.0	0.0#

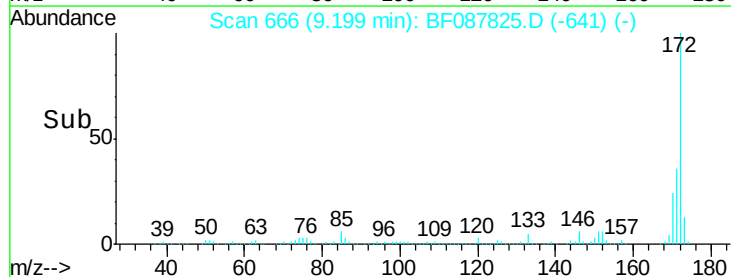
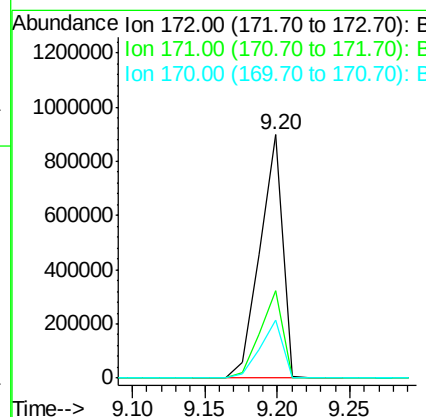
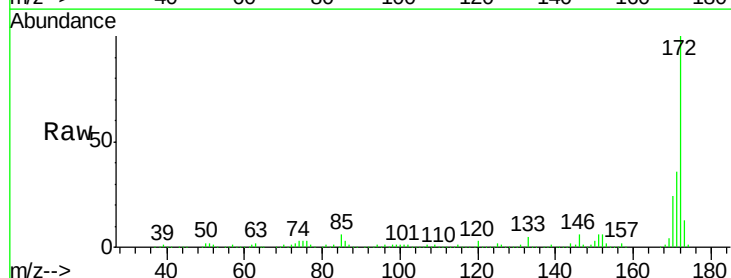
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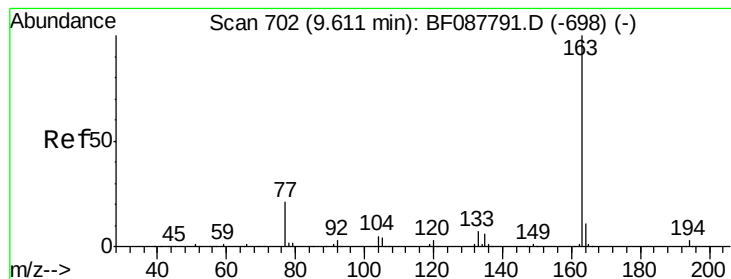
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#44
 2-Fluorobiphenyl
 Concen: 98.78 ng
 RT: 9.20 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF087825.D
 Acq: 8 Jun 2016 22:46

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.9	28.6	43.0
170	24.0	19.2	28.8





#49

Dimethylphthalate

Concen: 7.60 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF087825.D

Acq: 8 Jun 2016 22:46

Instrument :

BNA_F

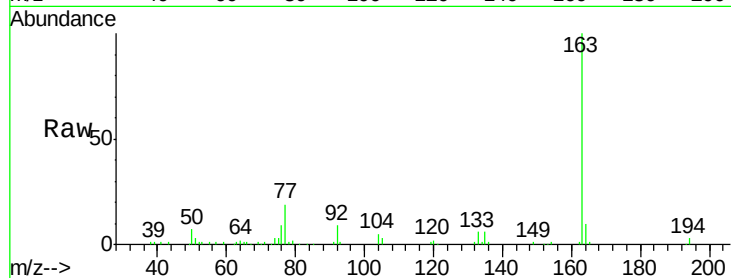
ClientSampled :

SS-27

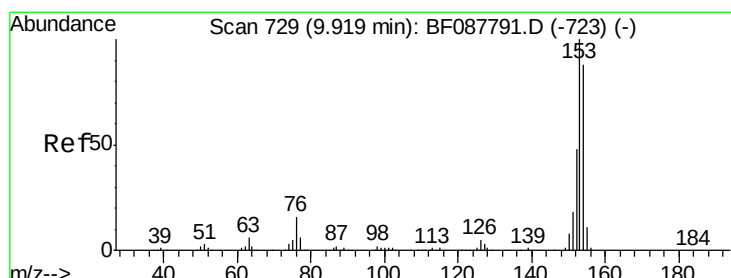
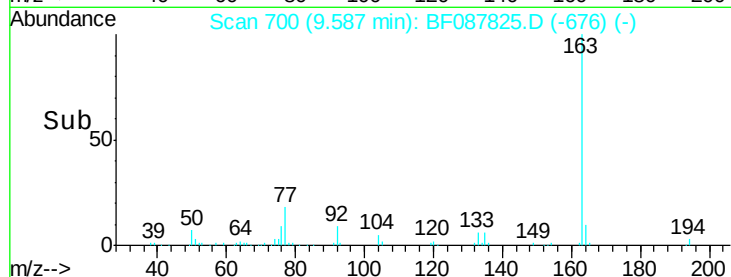
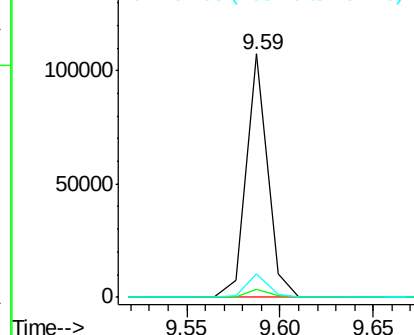
Tot Ion:	163	Resp:	86110
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.8	4.2
164	9.8	8.3	12.5

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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



#51

Acenaphthene

Concen: 2.01 ng

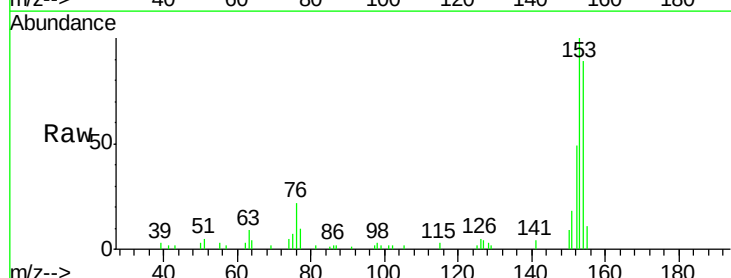
RT: 9.90 min Scan# 727

Delta R.T. -0.02 min

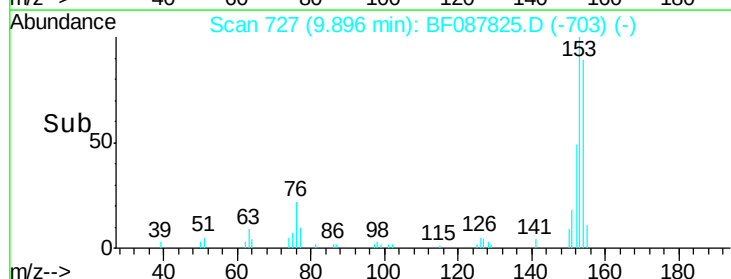
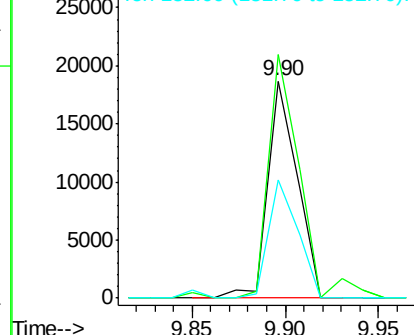
Lab File: BF087825.D

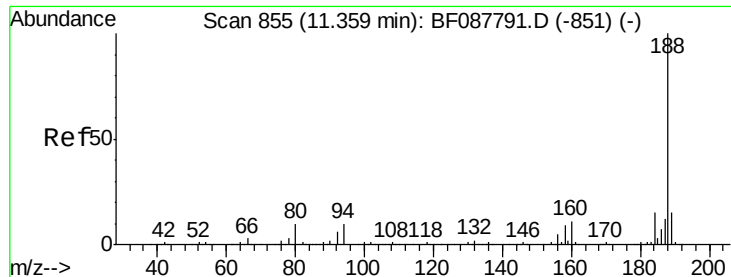
Acq: 8 Jun 2016 22:46

Tgt Ion:	154	Resp:	20158
Ion Ratio	Lower	Upper	
154	100		
153	112.2	89.5	134.3
152	54.6	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





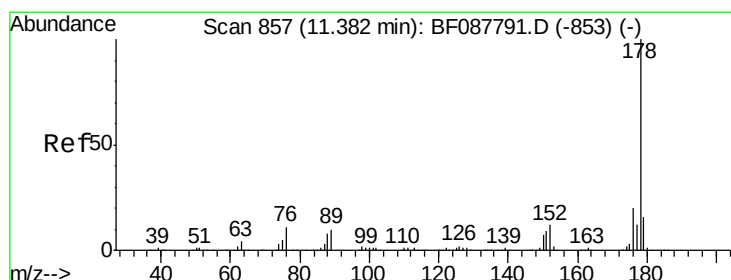
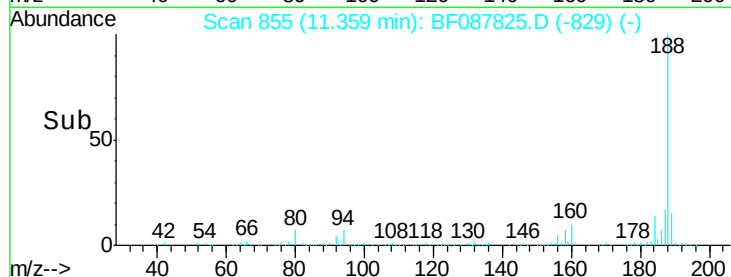
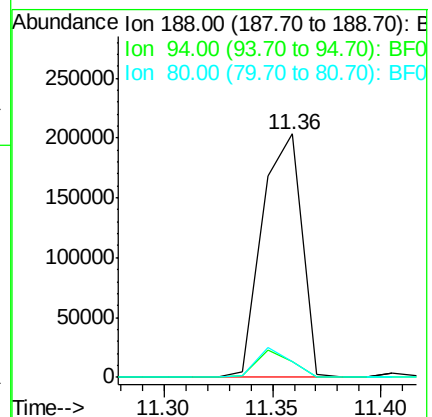
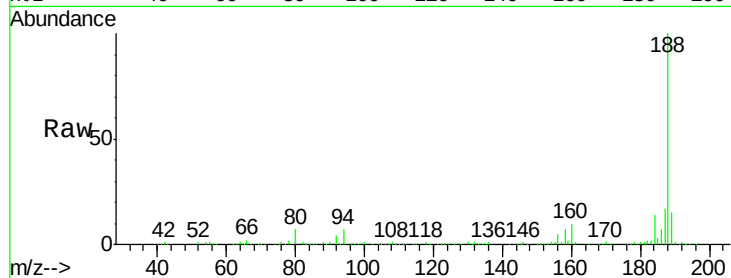
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 855
Delta R.T. -0.00 min
Lab File: BF087825.D
Acq: 8 Jun 2016 22:46

Instrument :
BNA_F
ClientSampled :
SS-27

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.6	9.0	13.6#
80	6.5	10.0	15.0#

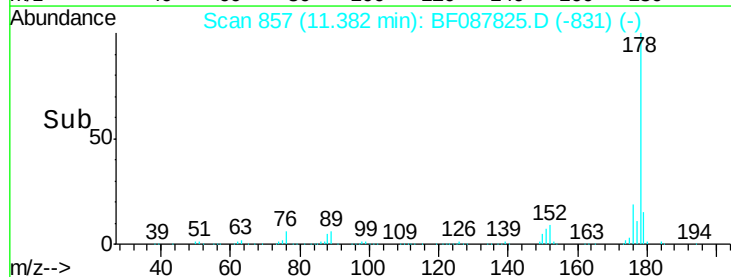
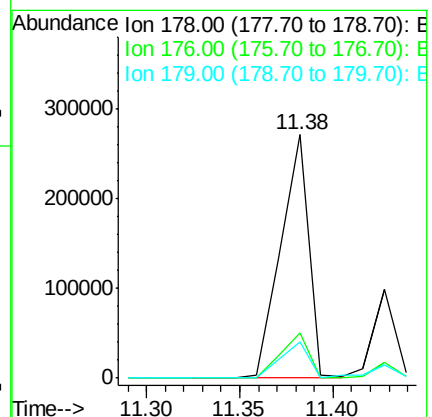
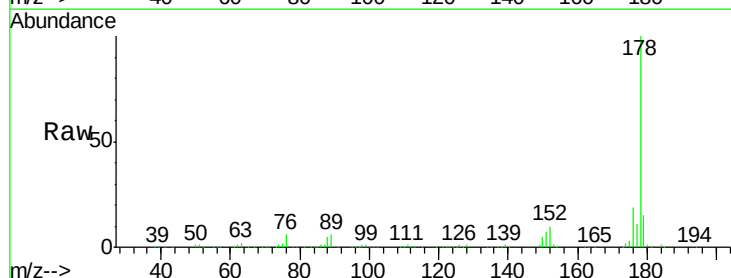
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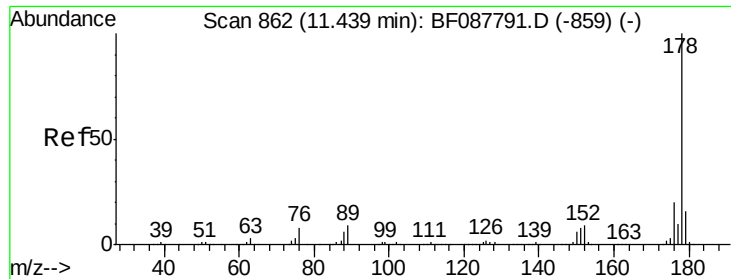
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#70
Phenanthrene
Concen: 20.65 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF087825.D
Acq: 8 Jun 2016 22:46

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.7	15.8	23.6
179	15.1	13.0	19.4





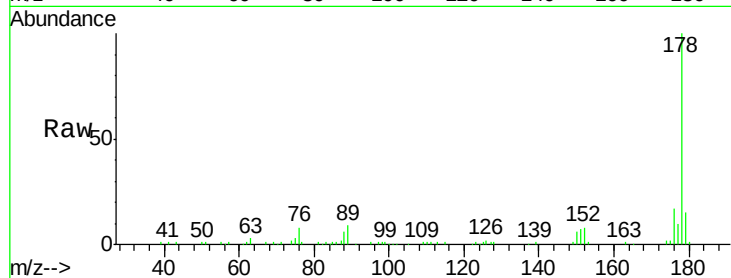
#71
 Anthracene
 Concen: 5.94 ng
 RT: 11.43 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF087825.D
 Acq: 8 Jun 2016 22:46

Instrument :
 BNA_F
 ClientSampleId :
 SS-27

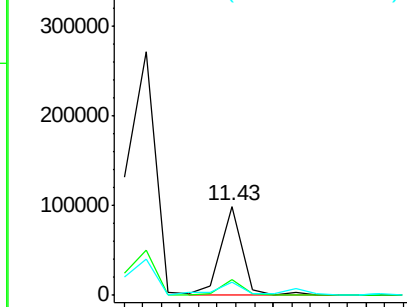
Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.6	23.4
179	14.9	12.8	19.2

Manual Integrations
 APPROVED

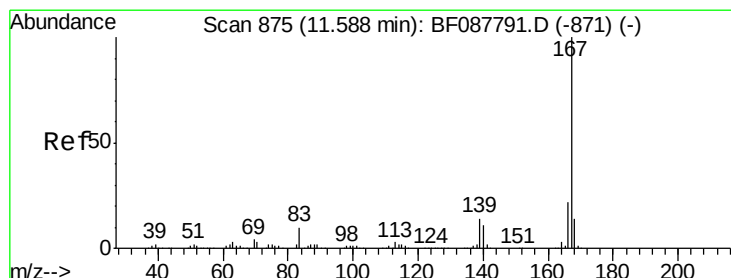
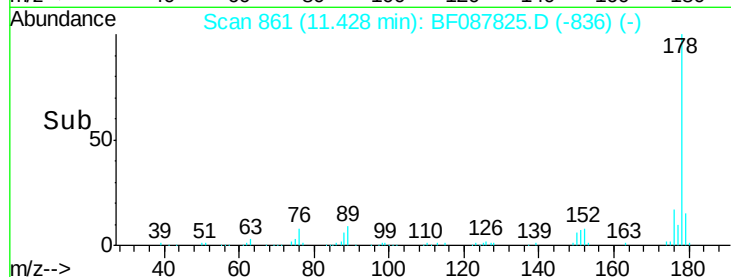
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Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



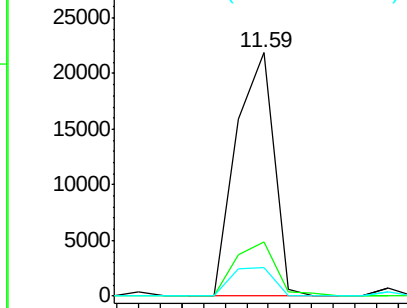
Time-->



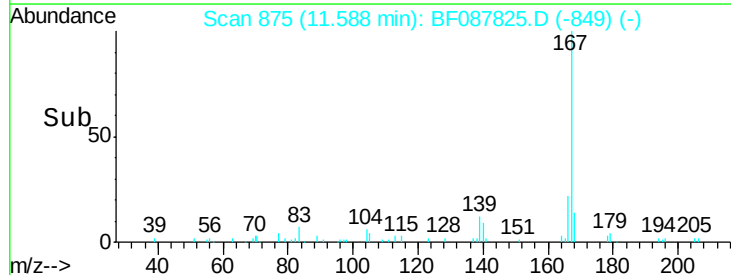
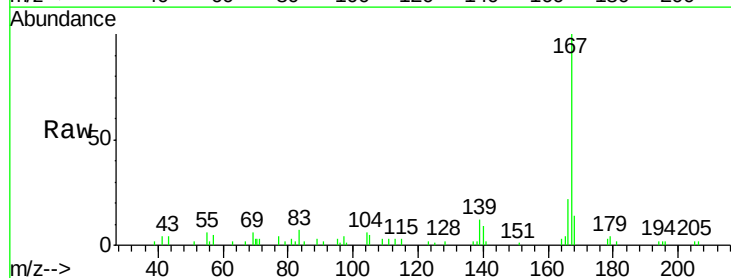
#72
 Carbazole
 Concen: 2.05 ng
 RT: 11.59 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: BF087825.D
 Acq: 8 Jun 2016 22:46

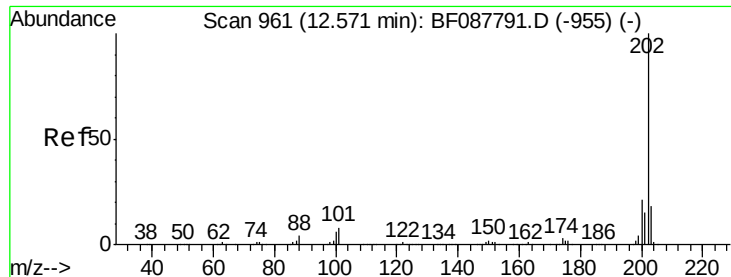
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.8	26.6
139	11.9	11.2	16.8

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E



Time-->





#74

Fluoranthene

Concen: 27.79 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: BF087825.D

Acq: 8 Jun 2016 22:46

Instrument :

BNA_F

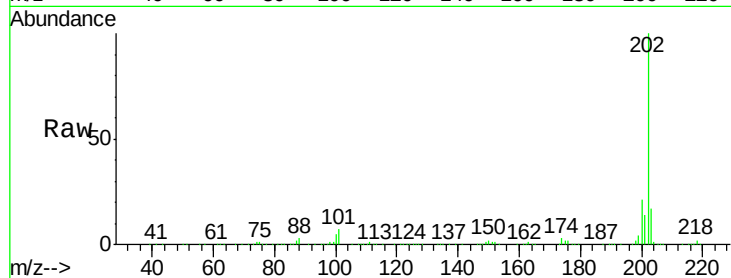
ClientSampleId :

SS-27

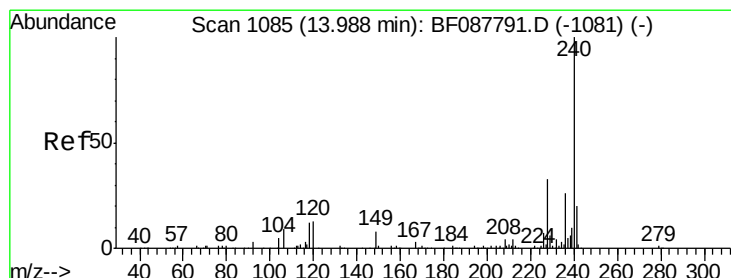
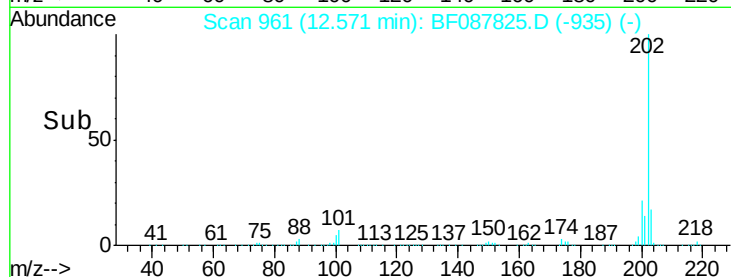
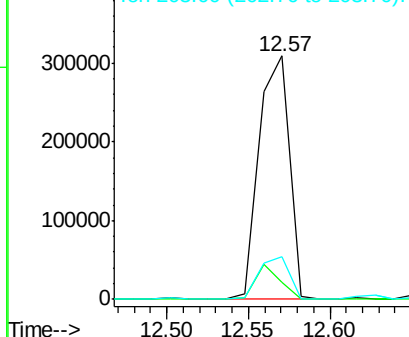
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		399547		
101	7.1	0.0	33.1		
203	17.4	0.0	38.1		

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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

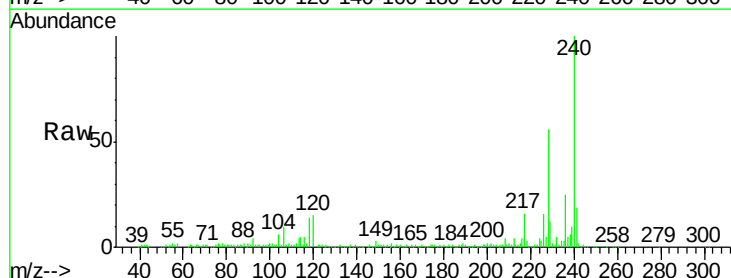
RT: 13.99 min Scan# 1085

Delta R.T. -0.00 min

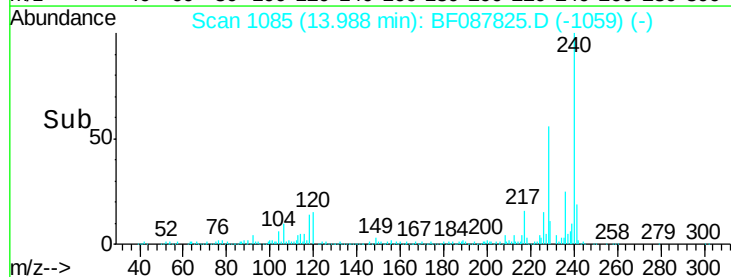
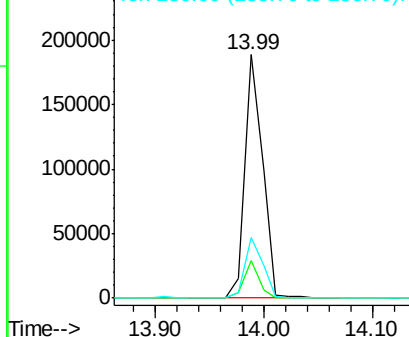
Lab File: BF087825.D

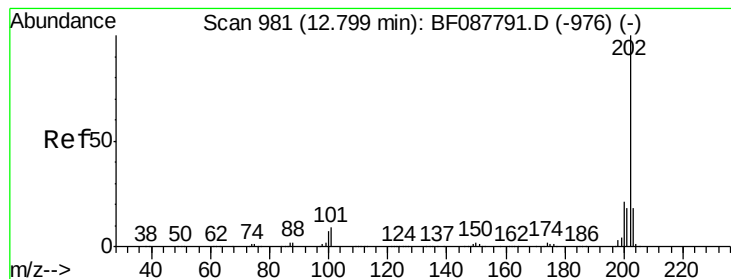
Acq: 8 Jun 2016 22:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		211858		
120	15.2	6.8	10.2#		
236	24.9	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: 23.06 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087825.D

Acq: 8 Jun 2016 22:46

Instrument :

BNA_F

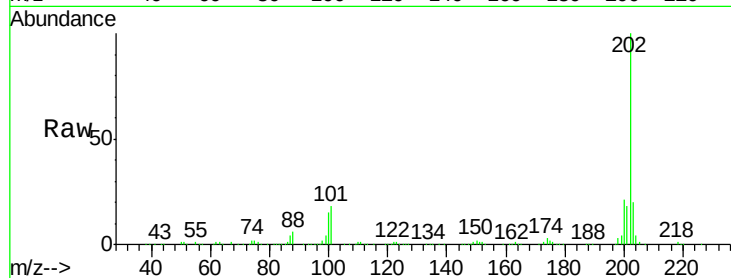
ClientSampleId :

SS-27

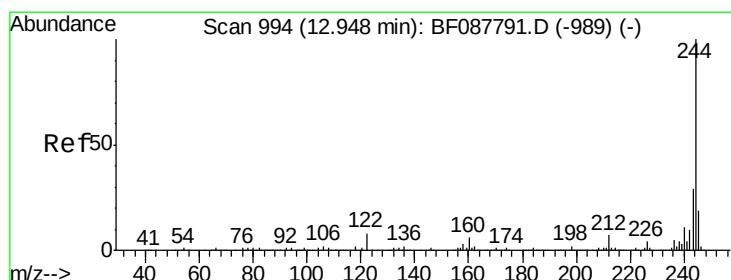
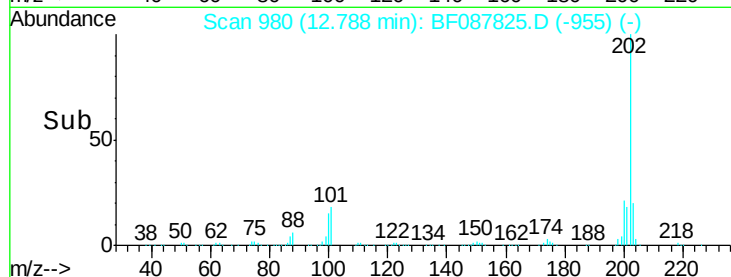
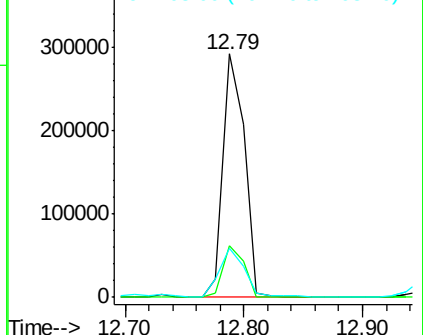
Tot Ion:	202	Resp:	362542
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.4	26.2
203	20.1	14.5	21.7

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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: 75.06 ng

RT: 12.95 min Scan# 994

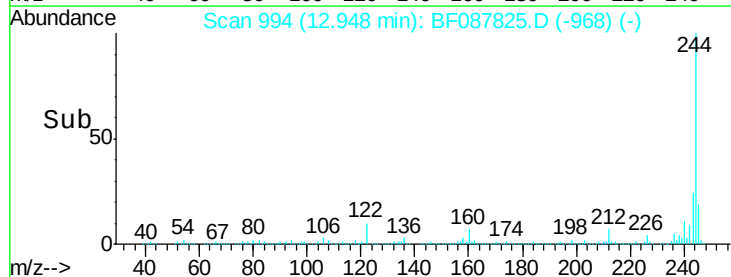
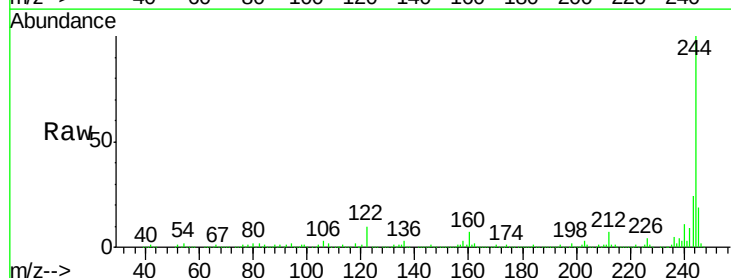
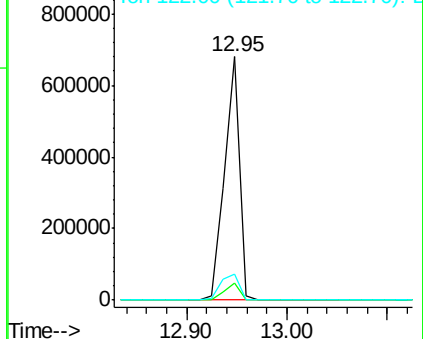
Delta R.T. -0.00 min

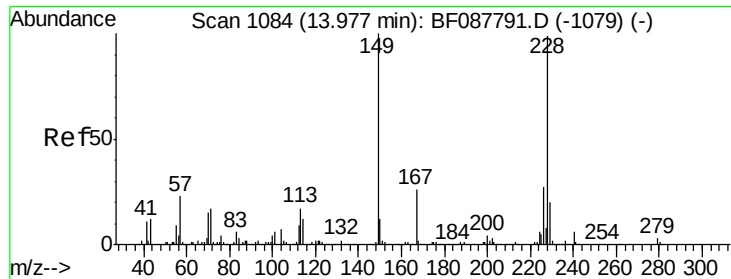
Lab File: BF087825.D

Acq: 8 Jun 2016 22:46

Tgt Ion:	244	Resp:	698791
Ion Ratio		Lower	Upper
244	100		
212	7.1	6.0	9.0
122	10.4	11.2	16.8#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





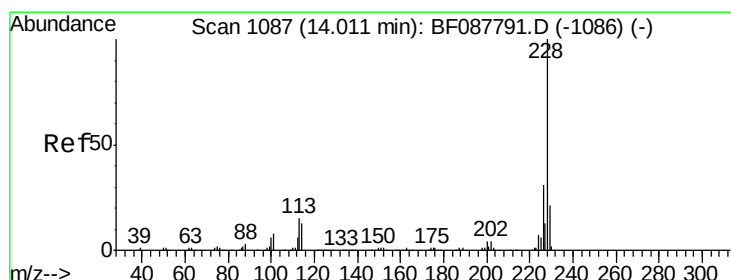
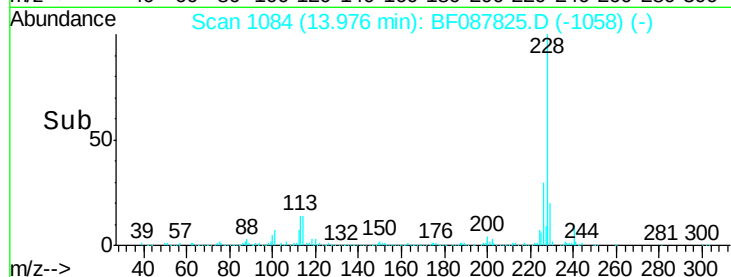
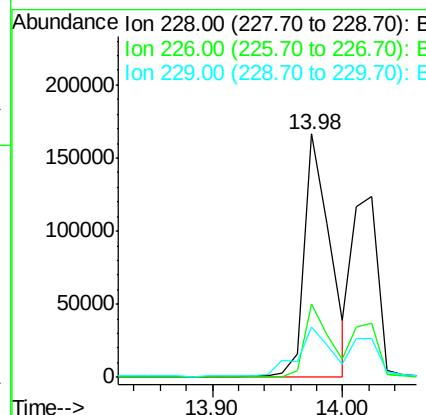
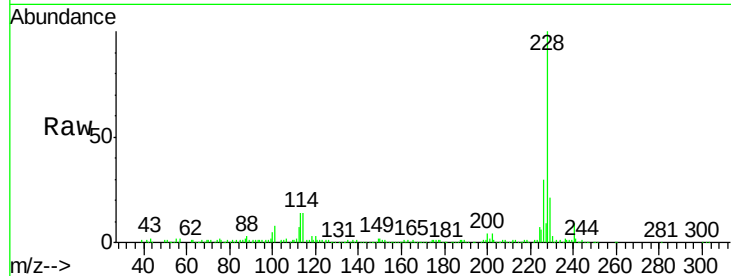
#80
Benzo(a)anthracene
Concen: 18.76 ng
RT: 13.98 min Scan# 1084
Delta R.T. -0.00 min
Lab File: BF087825.D
Acq: 8 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
SS-27

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.3	33.5
229	20.9	16.0	24.0

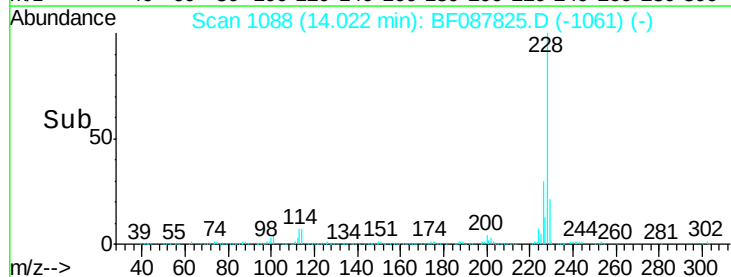
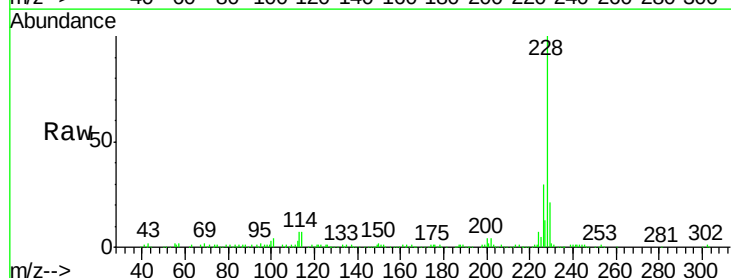
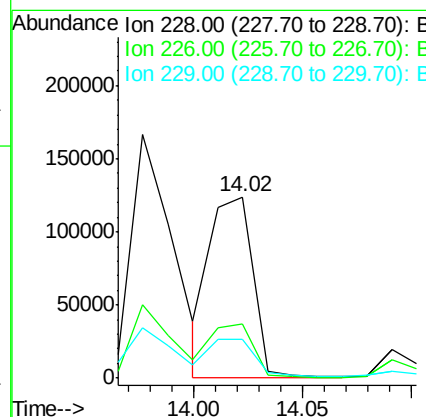
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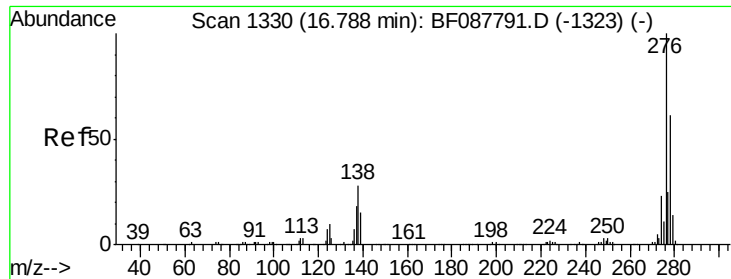
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#82
Chrysene
Concen: 14.82 ng
RT: 14.02 min Scan# 1088
Delta R.T. 0.01 min
Lab File: BF087825.D
Acq: 8 Jun 2016 22:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.2
229	21.2	16.3	24.5





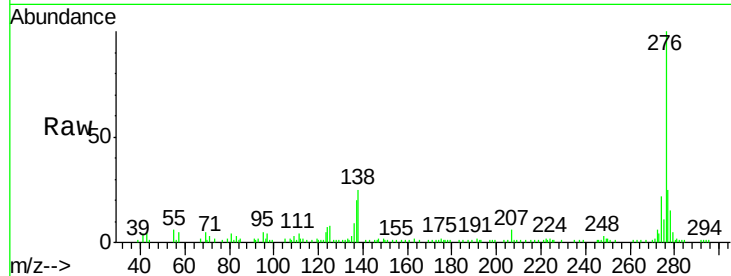
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.11 ng
 RT: 16.80 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: BF087825.D
 Acq: 8 Jun 2016 22:46

Instrument :
 BNA_F
 ClientSampleId :
 SS-27

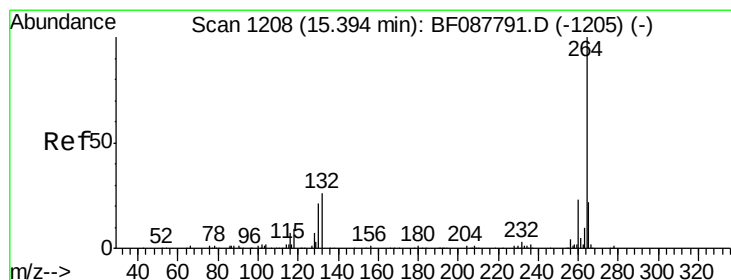
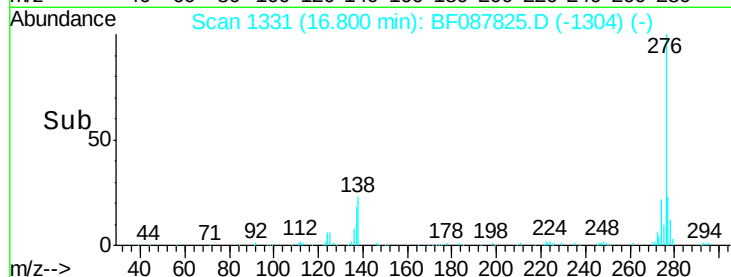
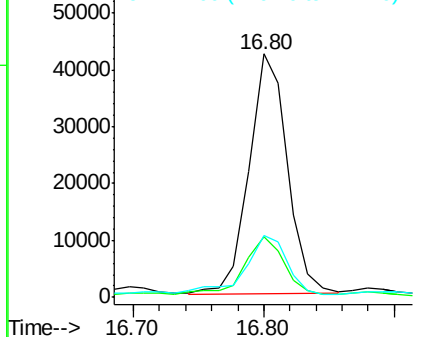
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.0	0.0	0.0#
277	29.3	0.0	0.0#

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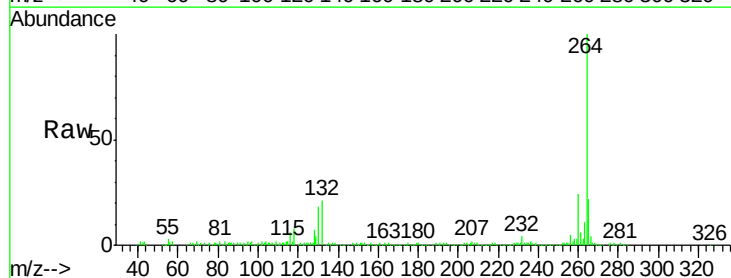


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

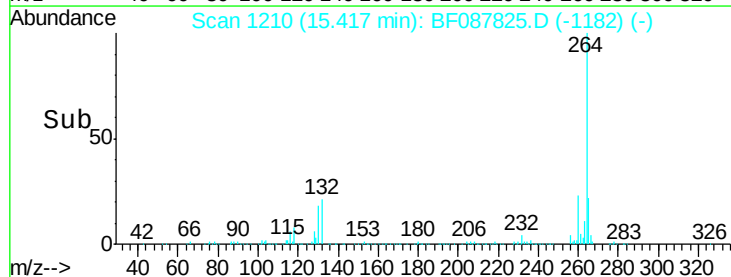
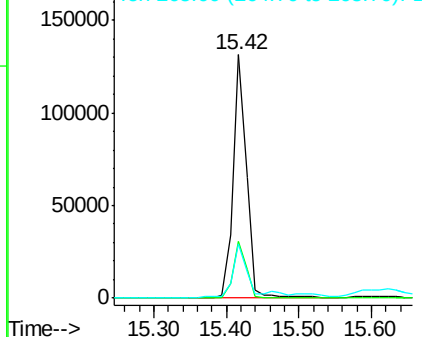


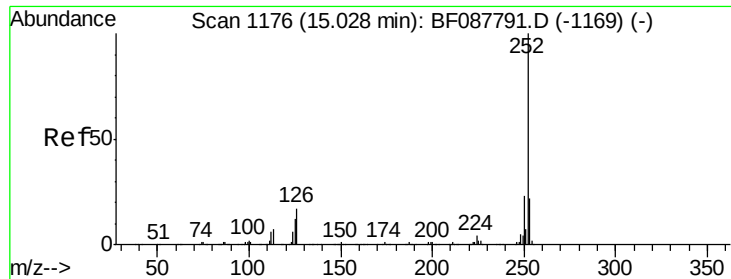
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1210
 Delta R.T. 0.02 min
 Lab File: BF087825.D
 Acq: 8 Jun 2016 22:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.3	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





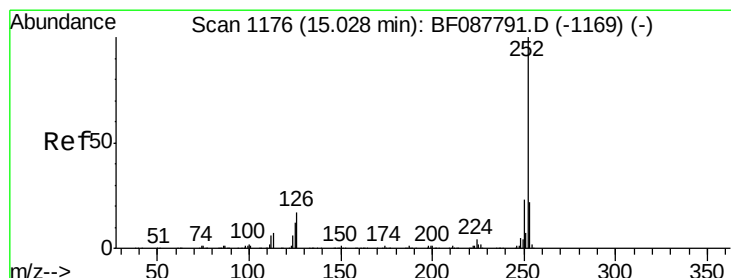
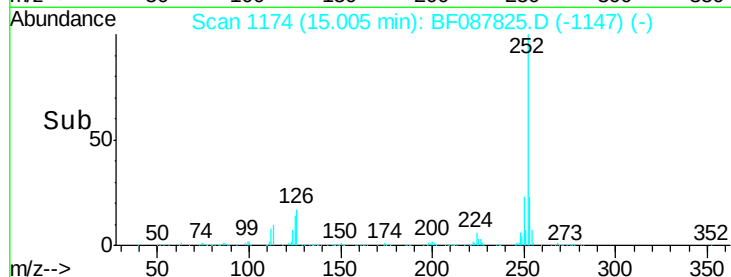
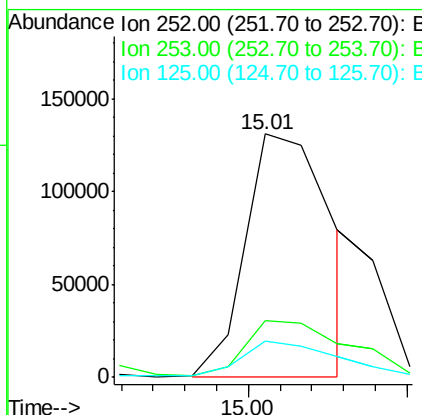
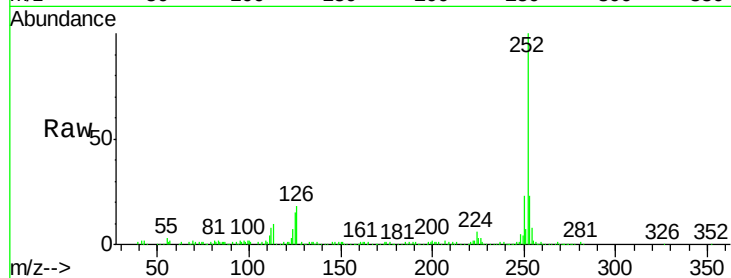
#87
Benzo(b)fluoranthene
Concen: 20.96 ng m
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087825.D
Acq: 8 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
SS-27

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.2
125	15.0	7.1	10.7

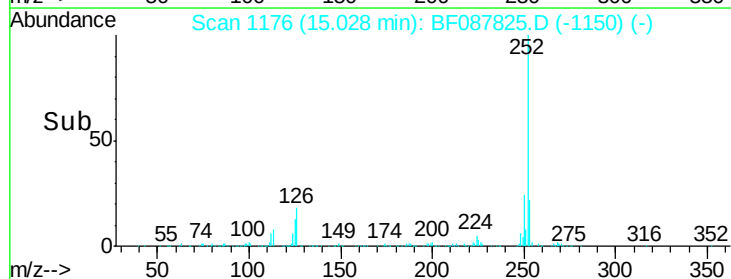
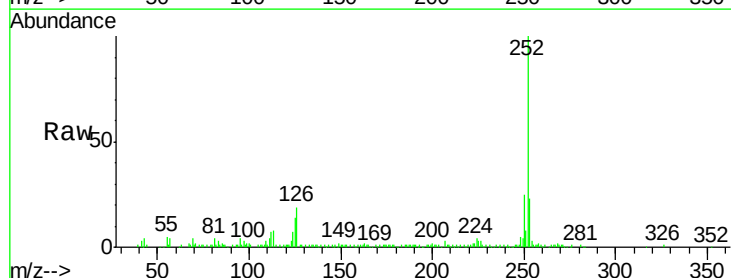
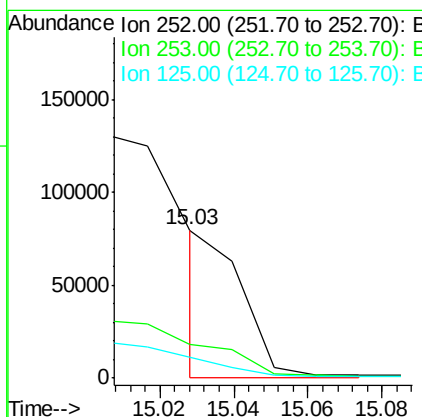
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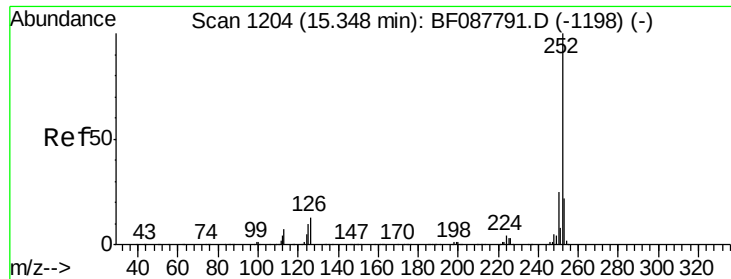
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#88
Benzo(k)fluoranthene
Concen: 5.55 ng m
RT: 15.03 min Scan# 1176
Delta R.T. -0.00 min
Lab File: BF087825.D
Acq: 8 Jun 2016 22:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	14.4	11.2	16.8





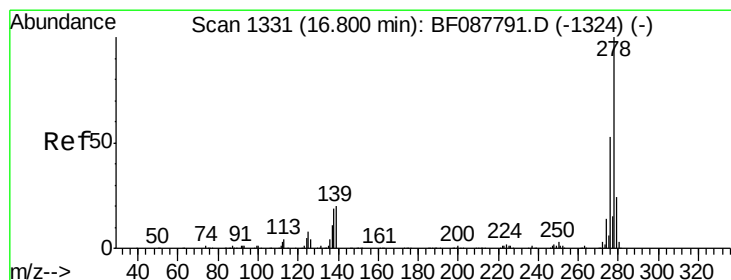
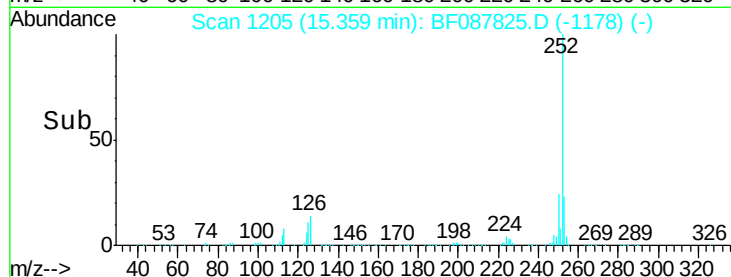
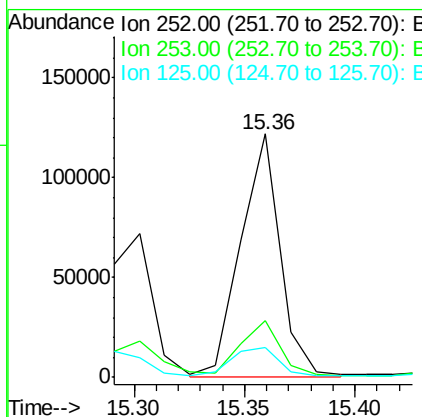
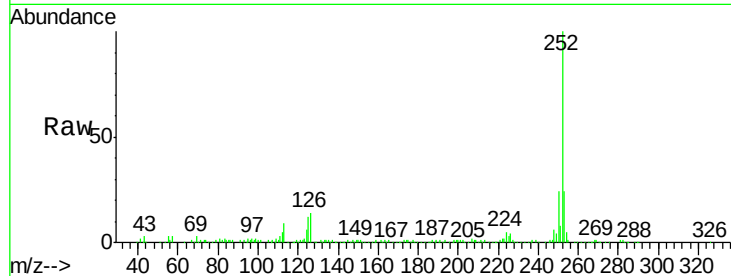
#89
Benzo(a)pyrene
Concen: 16.19 ng m
RT: 15.36 min Scan# 1205
Delta R.T. 0.01 min
Lab File: BF087825.D
Acq: 8 Jun 2016 22:46

Instrument :
BNA_F
ClientSampled :
SS-27

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	12.1	12.5	18.7#

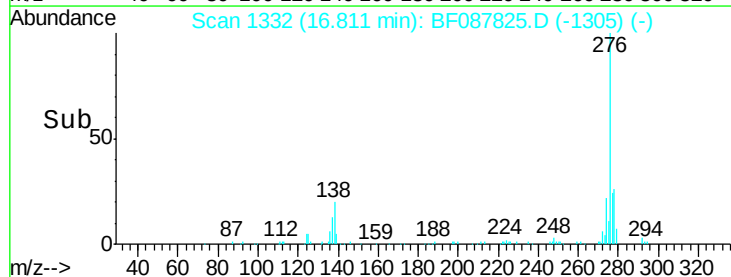
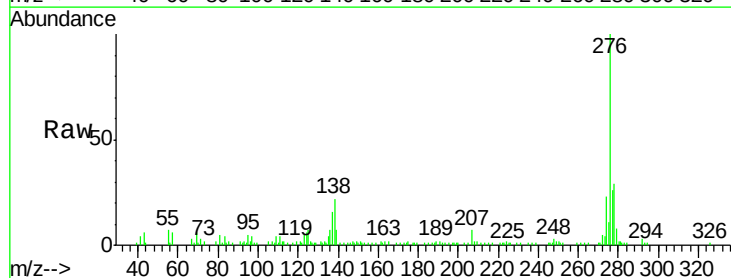
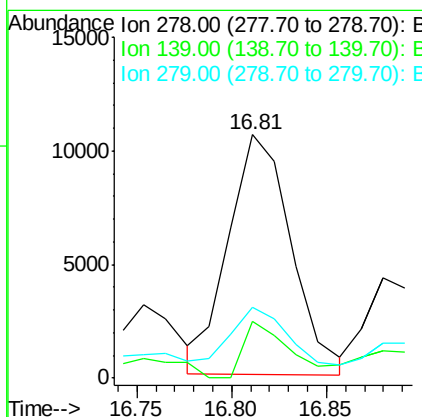
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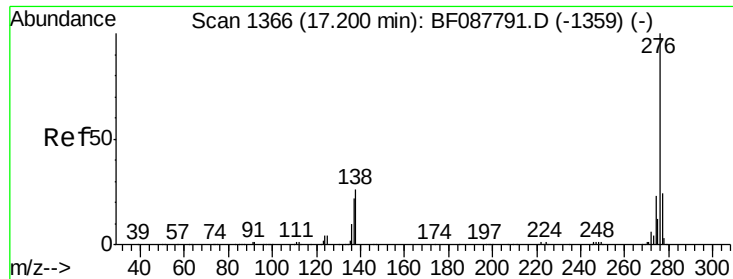
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#90
Dibenzo(a,h)anthracene
Concen: 2.75 ng m
RT: 16.81 min Scan# 1332
Delta R.T. 0.01 min
Lab File: BF087825.D
Acq: 8 Jun 2016 22:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.2	15.7	23.5
279	29.2	19.4	29.2#





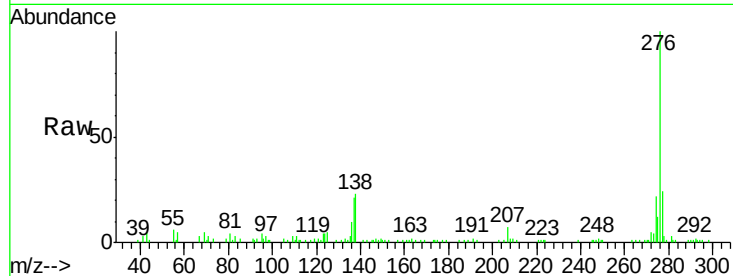
#91
 Benzo(a,h,i)perylene
 Concen: 8.84 ng
 RT: 17.22 min Scan# 1368
 Delta R.T. 0.02 min
 Lab File: BF087825.D
 Acq: 8 Jun 2016 22:46

Instrument :
 BNA_F
 ClientSampleId :
 SS-27

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	23.4	21.4	32.2

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

