

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
 Data File : BF093344.D
 Acq On : 3 Mar 2017 2:02
 Operator : SJ/MA
 Sample : I2003-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB437

Manual Integrations
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mohammad
 3/3/2017 5:17:00 PM

Quant Time: Mar 03 04:59:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 03 00:22:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	158988	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	590725	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	265465	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	421611	20.00	ng	0.00
75) Chrysene-d12	13.97	240	293172	20.00	ng	-0.01
86) Perylene-d12	15.40	264	278208	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	980441	105.80	ng	0.00
7) Phenol-d6	6.44	99	1209314	101.42	ng	-0.01
23) Nitrobenzene-d5	7.37	82	746147	70.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	200980	104.68	ng	0.01
44) 2-Fluorobiphenyl	9.17	172	1094938	74.72	ng	0.00
78) Terphenyl-d14	12.92	244	778446	62.39	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.57	163	398390	22.28	ng	98
57) Fluorene	10.41	166	38984	2.44	ng	# 82
70) Phenanthrene	11.37	178	493299	20.42	ng	98
71) Anthracene	11.42	178	122094m	5.03	ng	
72) Carbazole	11.58	167	57705	2.49	ng	# 76
74) Fluoranthene	12.56	202	542916	21.79	ng	95
77) Pyrene	12.78	202	494387	22.53	ng	99
80) Benzo(a)anthracene	13.96	228	239954	13.38	ng	97
82) Chrysene	14.00	228	174773	10.41	ng	98
85) Indeno(1,2,3-cd)pyrene	16.80	276	122614	9.43	ng	96
87) Benzo(b)fluoranthene	14.99	252	227283m	12.41	ng	
88) Benzo(k)fluoranthene	15.00	252	95383m	6.03	ng	
89) Benzo(a)pyrene	15.35	252	174485	11.02	ng	# 96
90) Dibenzo(a,h)anthracene	16.79	278	33676	2.63	ng	# 78
91) Benzo(a,h,i)perylene	17.21	276	115882	8.96	ng	# 90

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

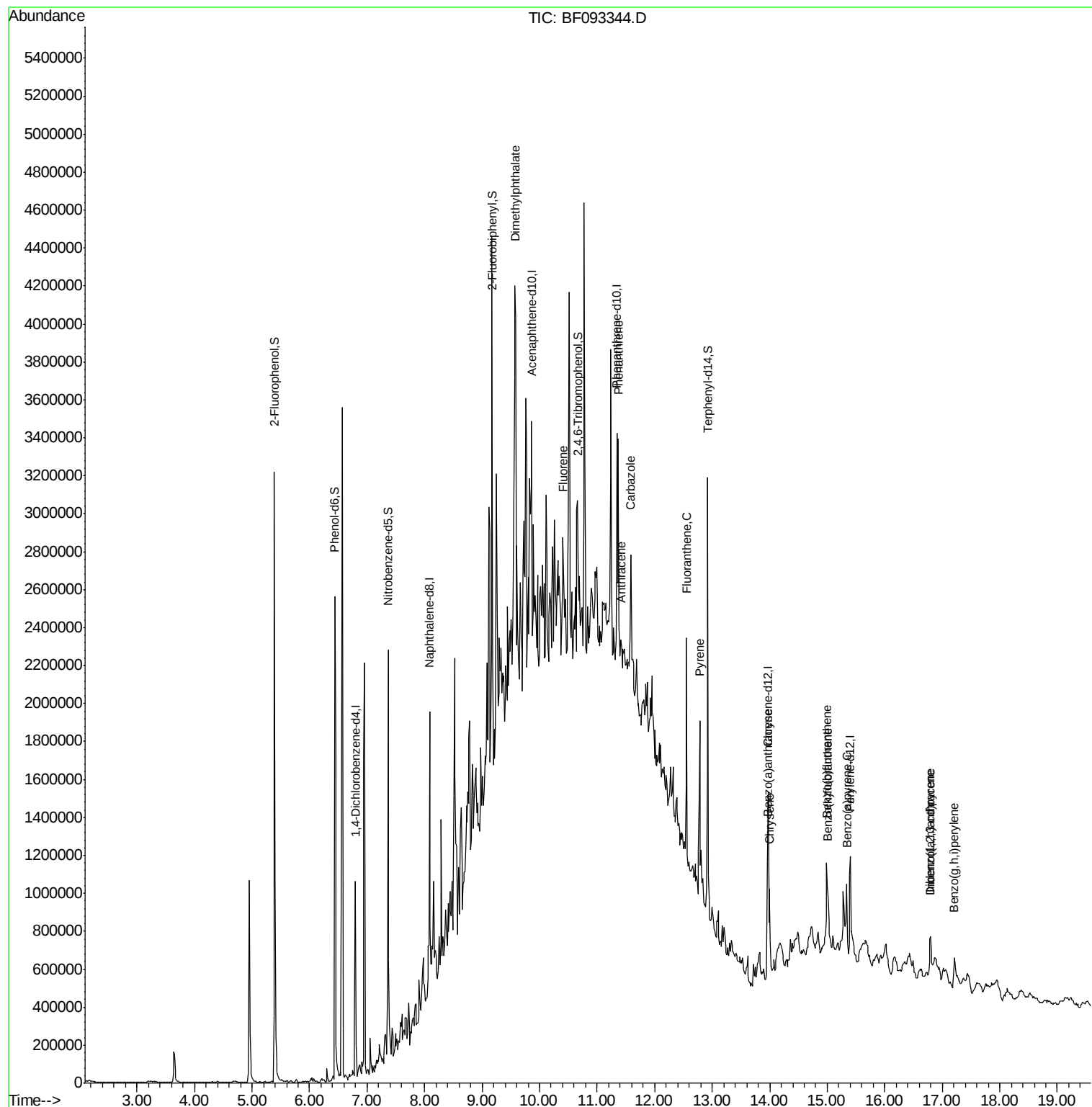
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
Data File : BF093344.D
Acq On : 3 Mar 2017 2:02
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Misc :
ALS Vial : 28 Sample Multiplier: 1

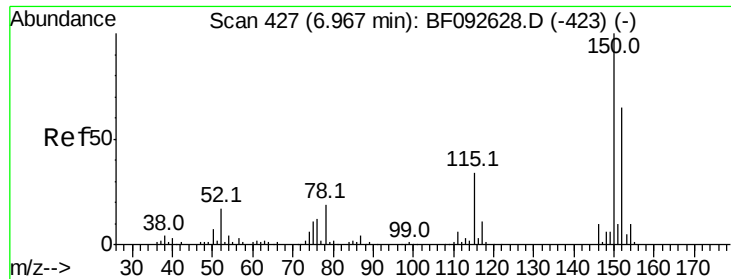
Instrument :
BNA_F
ClientSampled :
HY-SB437

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Quant Time: Mar 03 04:59:25 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 03 00:22:20 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF093344.D

Acq: 3 Mar 2017 2:02

Instrument :

BNA_F

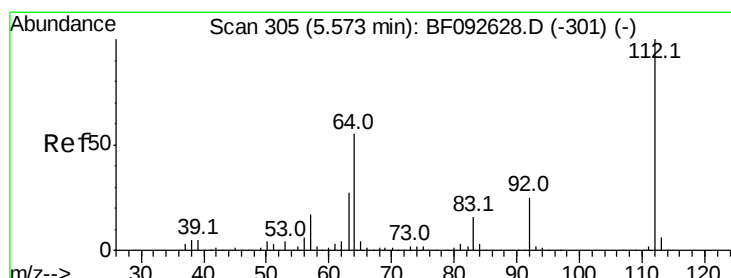
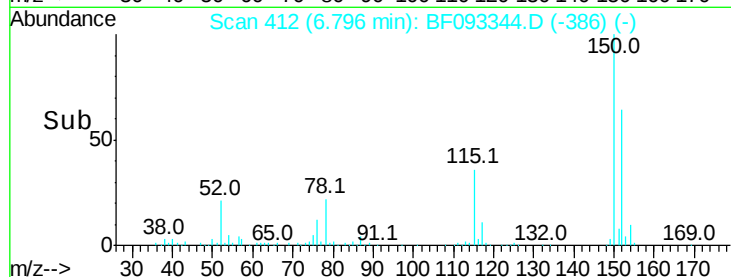
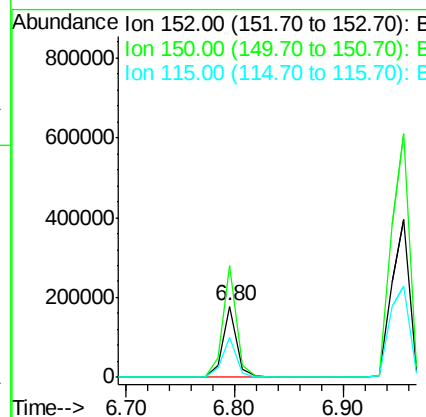
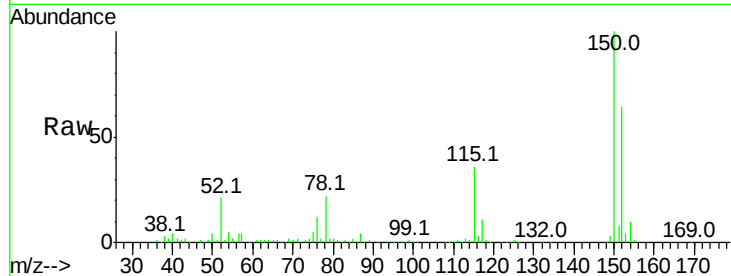
ClientSampleId :

HY-SB437

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.9	187.3
115	56.4	46.0	69.0

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#5

2-Fluorophenol

Concen: 105.80 ng

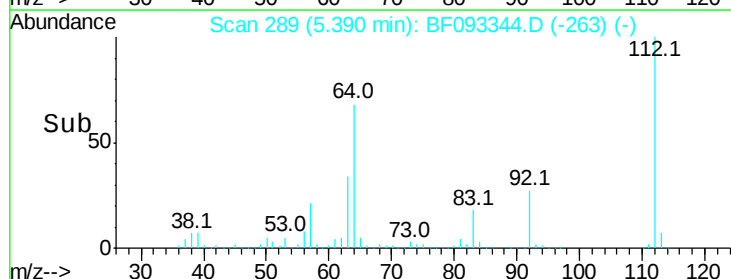
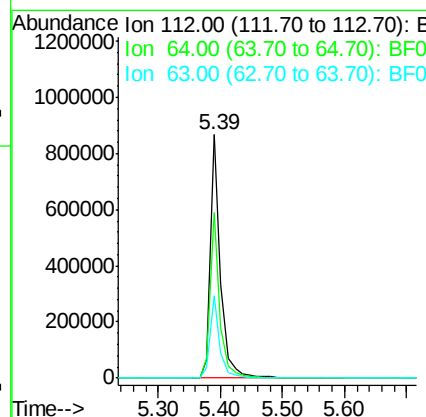
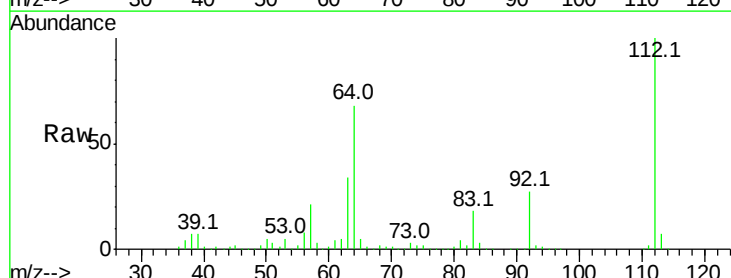
RT: 5.39 min Scan# 289

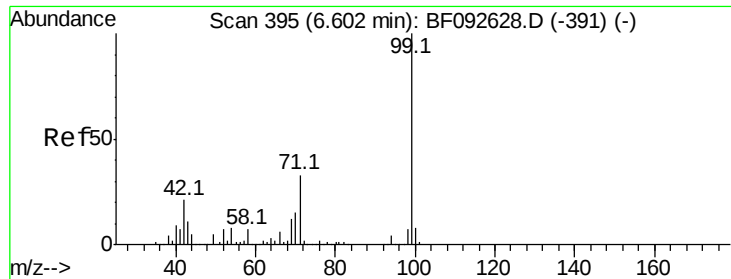
Delta R.T. -0.00 min

Lab File: BF093344.D

Acq: 3 Mar 2017 2:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.2	46.1	69.1
63	34.1	23.8	35.6





#7

Phenol-d6

Concen: 101.42 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF093344.D

Acq: 3 Mar 2017 2:02

Instrument :

BNA_F

ClientSampleId :

HY-SB437

Tot Ion: 99 Resp: 1209314

Ion Ratio Lower Upper

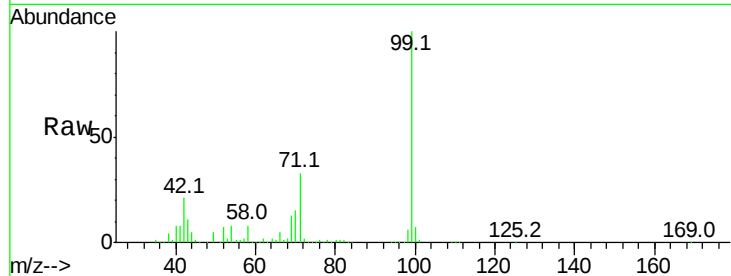
99 100

42 21.4 15.6 23.4

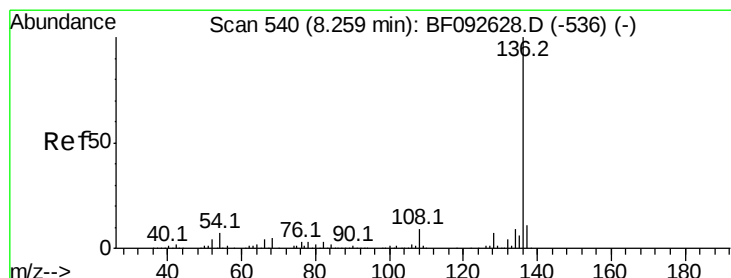
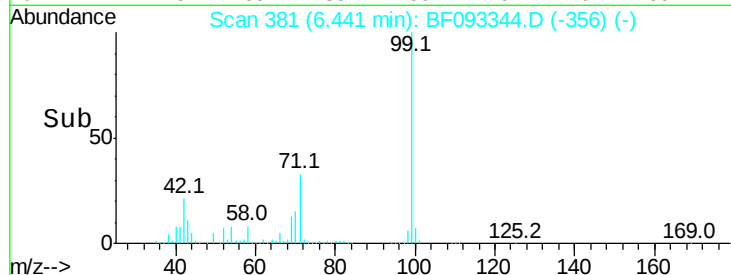
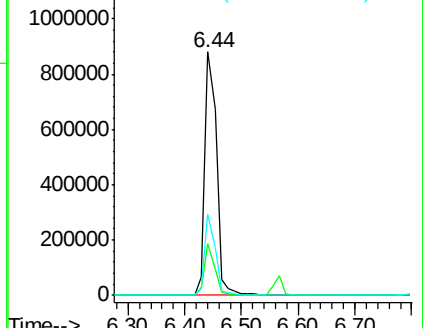
71 33.2 27.5 41.3

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Abundance Ion 99.00 (98.70 to 99.70): BF0
1200000
Ion 42.00 (41.70 to 42.70): BF0
1000000
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.00 min

Lab File: BF093344.D

Acq: 3 Mar 2017 2:02

Tgt Ion: 136 Resp: 590725

Ion Ratio Lower Upper

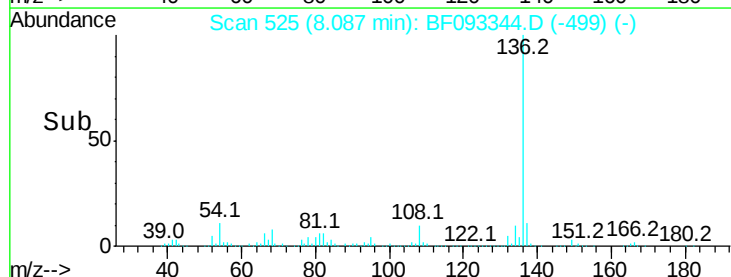
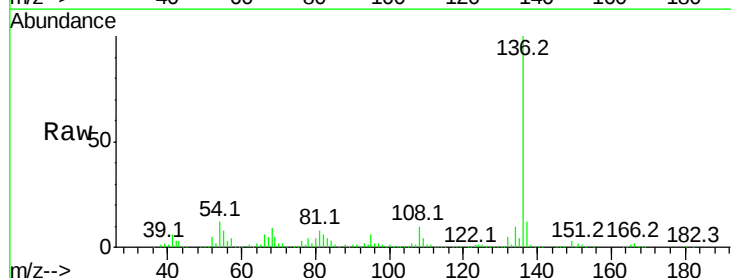
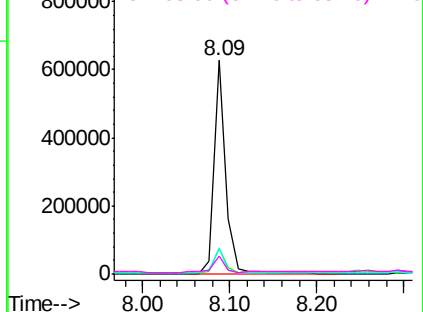
136 100

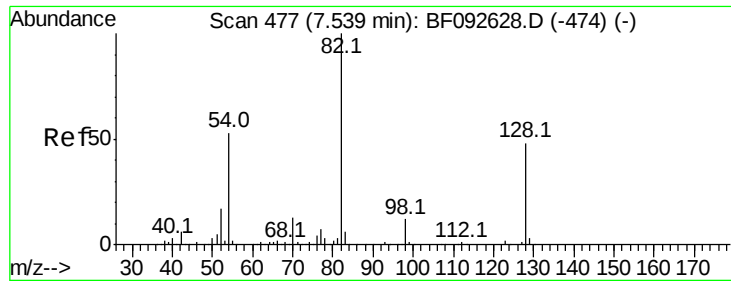
137 12.0 8.4 12.6

54 11.8 4.5 6.7#

68 8.6 3.6 5.4#

Abundance Ion 136.00 (135.70 to 136.70): E
1000000
Ion 137.00 (136.70 to 137.70): E
800000
Ion 54.00 (53.70 to 54.70): BF0
600000
Ion 68.00 (67.70 to 68.70): BF0





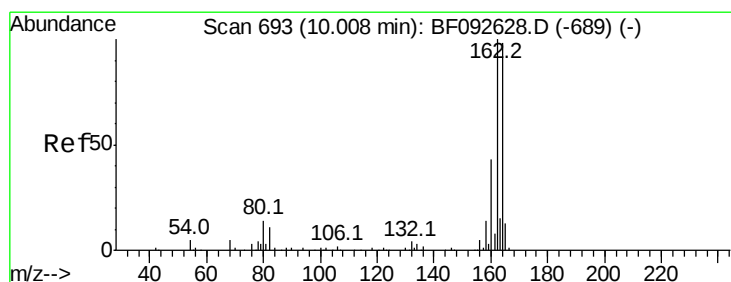
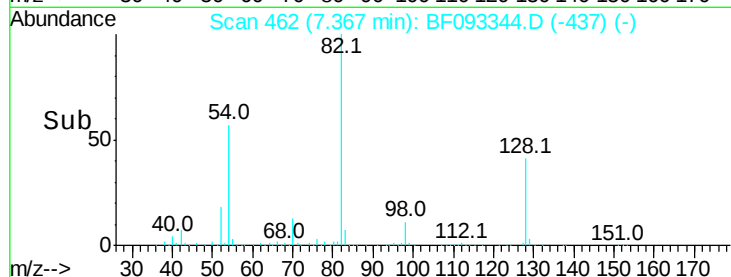
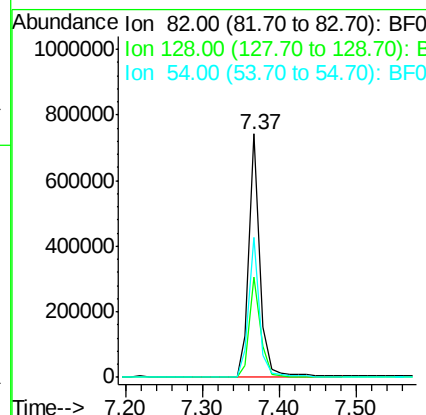
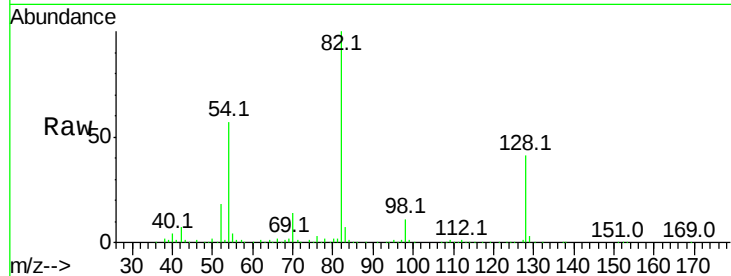
#23
 Nitrobenzene-d5
 Concen: 70.34 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.01 min
 Lab File: BF093344.D
 Acq: 3 Mar 2017 2:02

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB437

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	41.1	34.6	52.0
54	57.4	39.5	59.3

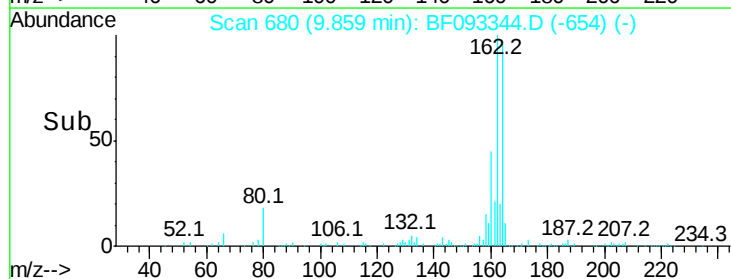
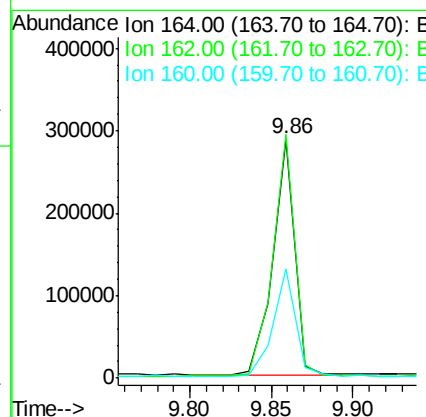
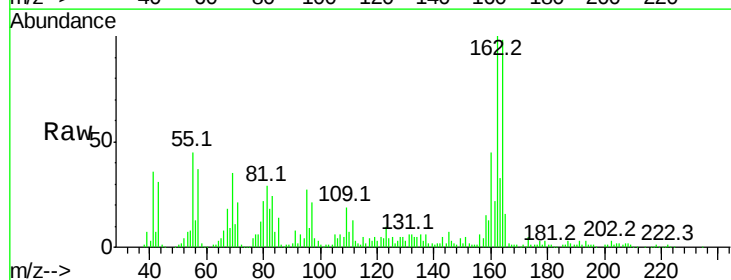
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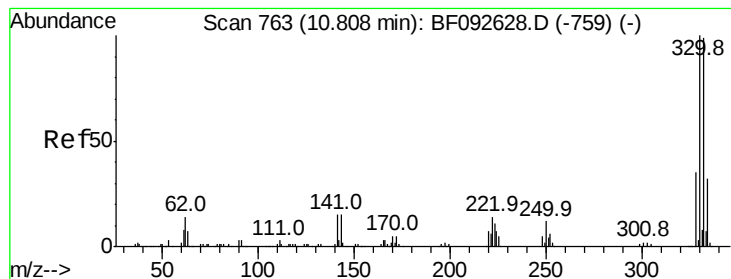
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.00 min
 Lab File: BF093344.D
 Acq: 3 Mar 2017 2:02

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	101.9	80.2	120.2
160	46.0	36.9	55.3





#41

2,4,6-Tribromophenol

Concen: 104.68 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF093344.D

Acq: 3 Mar 2017 2:02

Instrument :

BNA_F

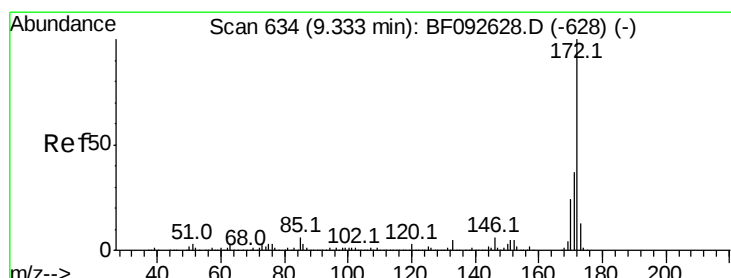
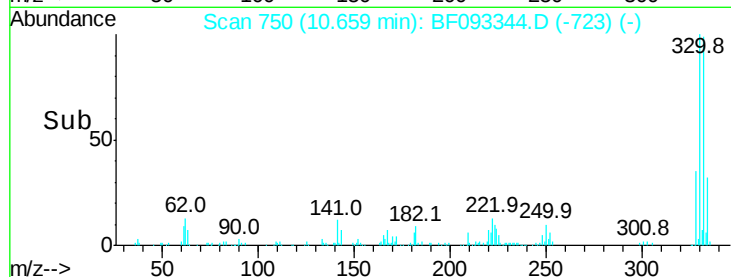
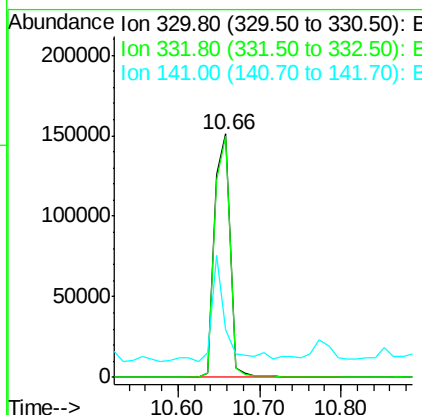
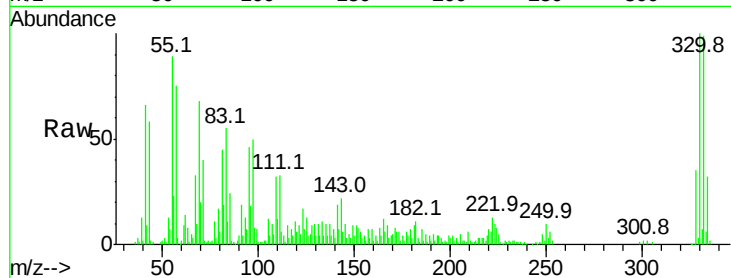
ClientSampleId :

HY-SB437

Tot Ion:	330	Resp:	200980
Ion Ratio	Lower	Upper	
330	100		
332	98.1	77.4	116.2
141	37.7	34.1	51.1

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#44

2-Fluorobiphenyl

Concen: 74.72 ng

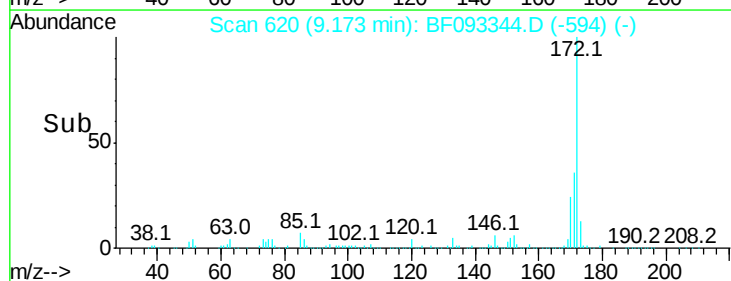
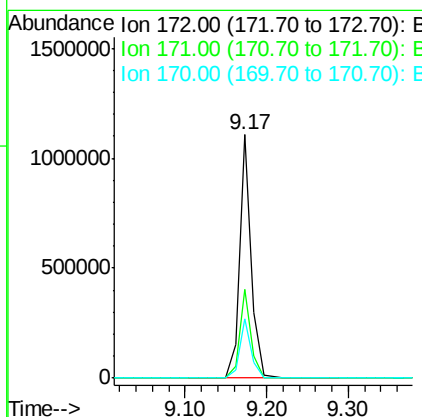
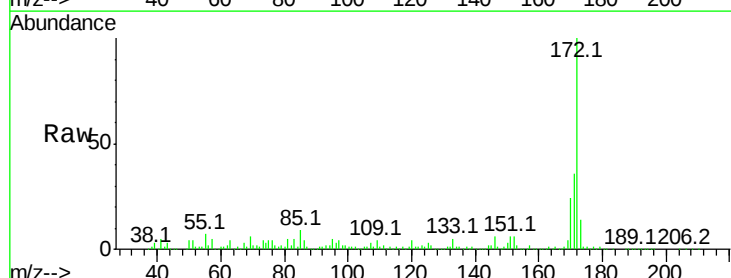
RT: 9.17 min Scan# 620

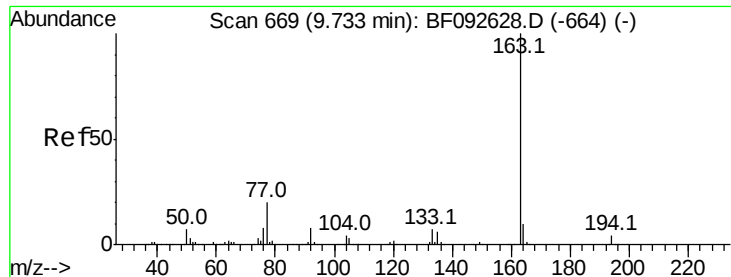
Delta R.T. -0.00 min

Lab File: BF093344.D

Acq: 3 Mar 2017 2:02

Tgt Ion:	172	Resp:	1094938
Ion Ratio	Lower	Upper	
172	100		
171	36.5	29.4	44.0
170	24.2	20.2	30.4





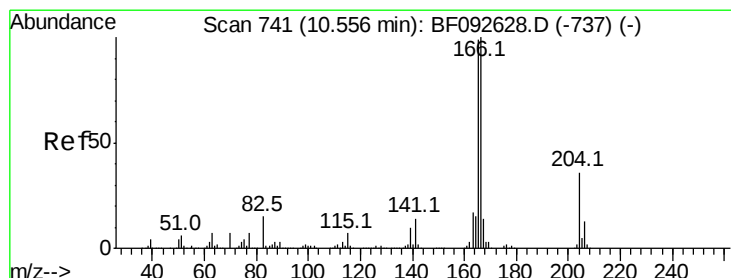
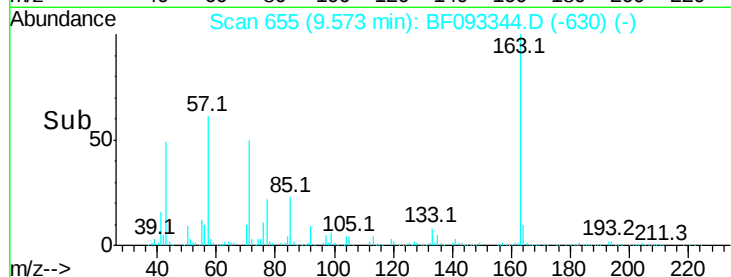
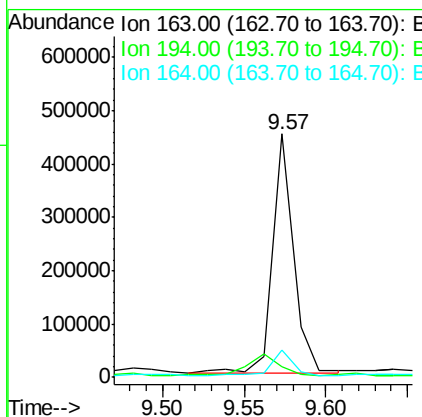
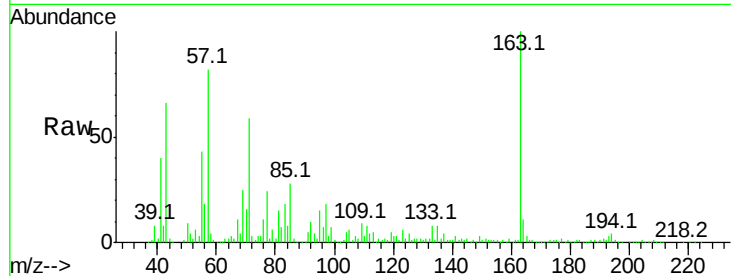
#49
Dimethylphthalate
Concen: 22.28 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.01 min
Lab File: BF093344.D
Acq: 3 Mar 2017 2:02

Instrument :
BNA_F
ClientSampleId :
HY-SB437

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.1	3.0	4.4
164	11.0	8.0	12.0

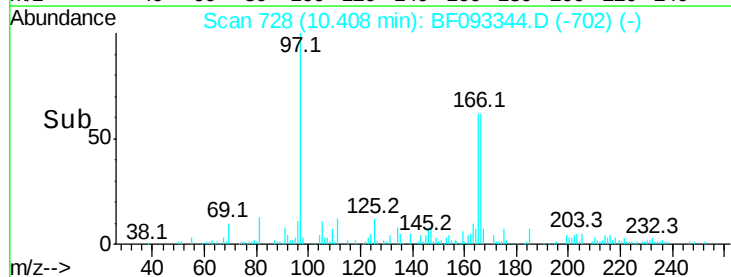
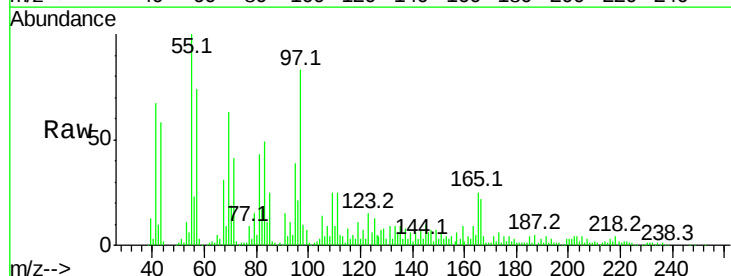
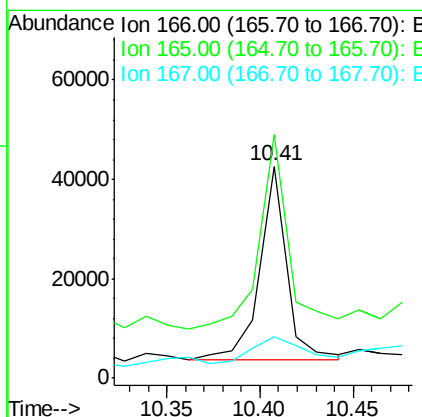
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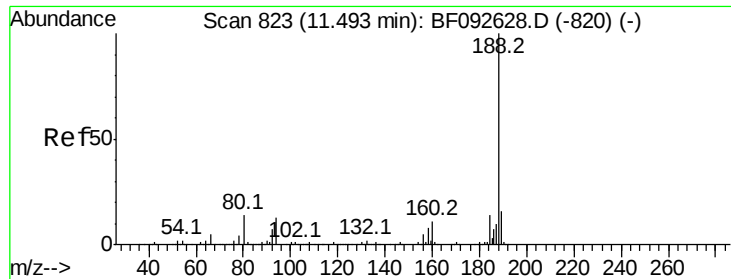
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#57
Fluorene
Concen: 2.44 ng
RT: 10.41 min Scan# 728
Delta R.T. -0.00 min
Lab File: BF093344.D
Acq: 3 Mar 2017 2:02

Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	114.8	77.8	116.8
167	19.7	10.8	16.2#





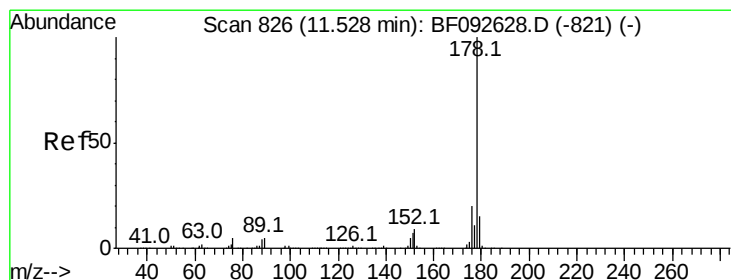
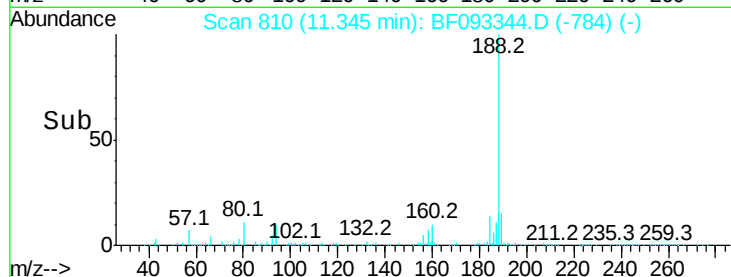
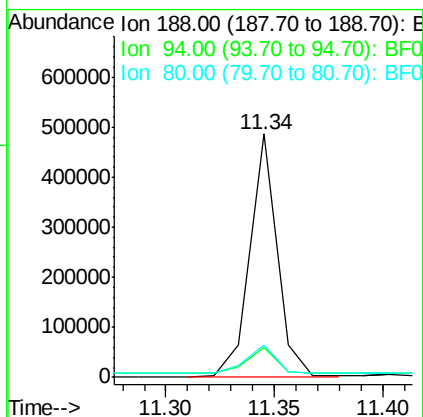
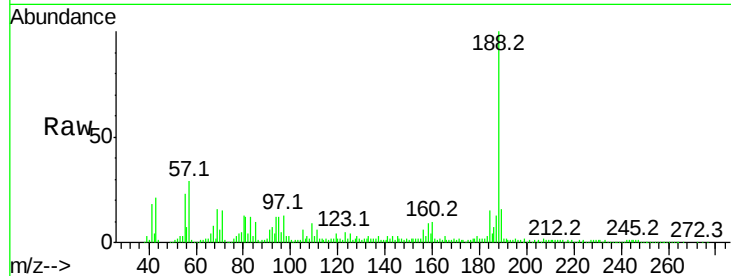
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF093344.D
Acq: 3 Mar 2017 2:02

Instrument :
BNA_F
ClientSampleId :
HY-SB437

Tot Ion	Ratio	Resp	Lower	Upper
188	100	421611		
94	12.3		10.0	15.0
80	13.1		11.2	16.8

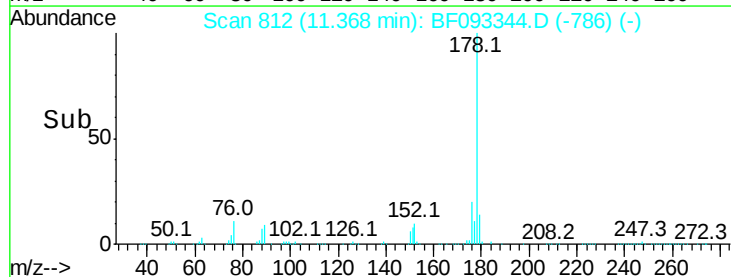
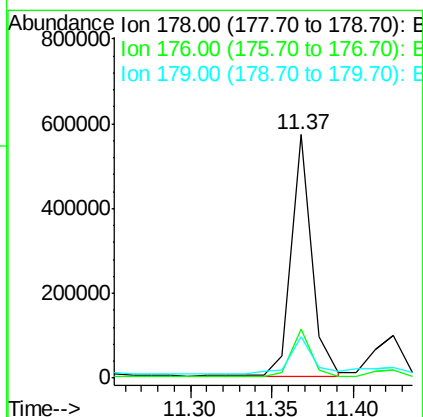
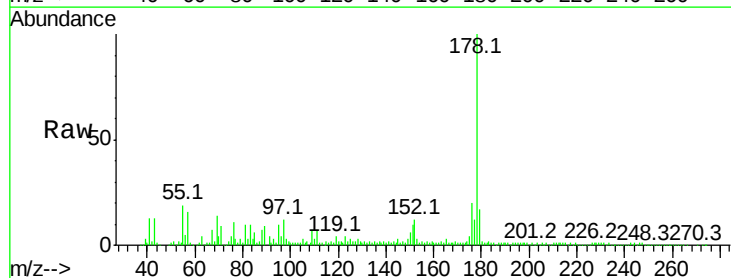
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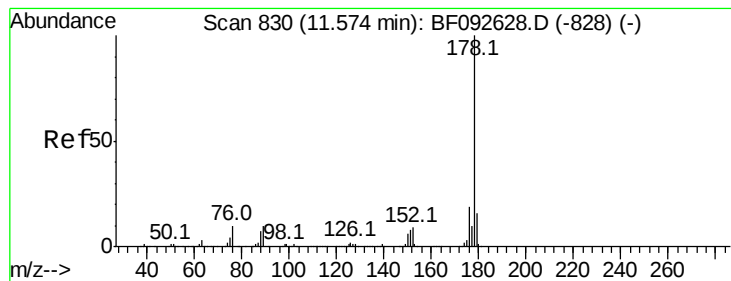
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#70
Phenanthrene
Concen: 20.42 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF093344.D
Acq: 3 Mar 2017 2:02

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	493299		
176	20.0		16.6	25.0
179	16.9		12.8	19.2





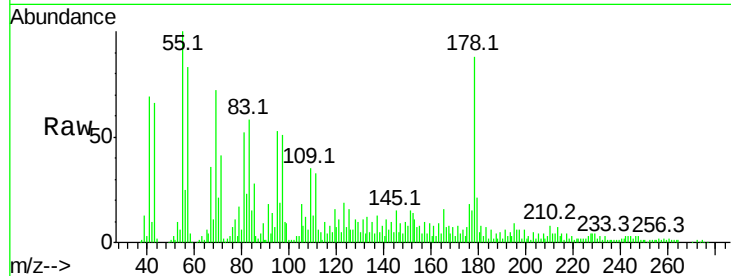
#71
 Anthracene
 Concen: 5.03 ng m
 RT: 11.42 min Scan# 817
 Delta R.T. 0.01 min
 Lab File: BF093344.D
 Acq: 3 Mar 2017 2:02

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB437

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.9	23.9
179	24.0	13.2	19.8

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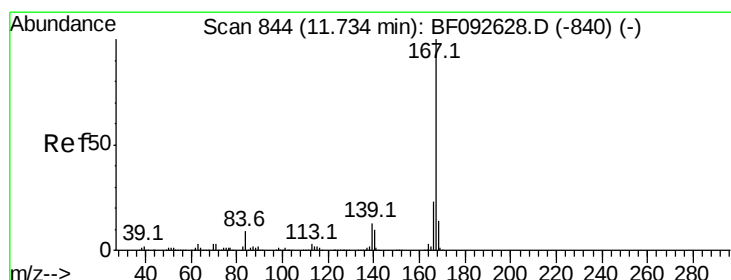
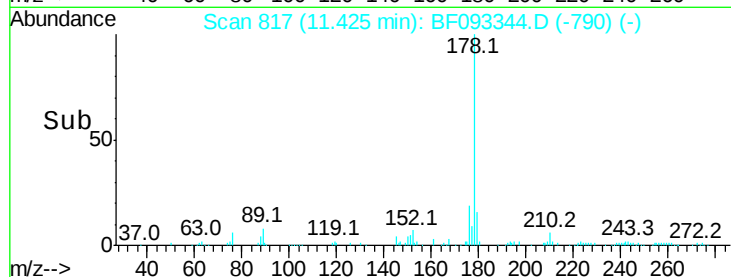
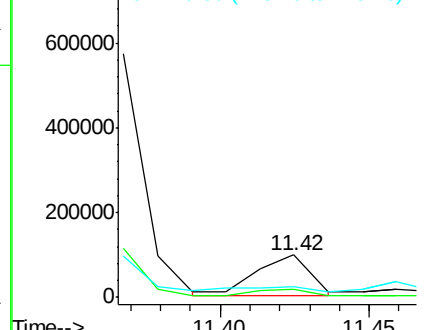


Abundance

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



#72
 Carbazole
 Concen: 2.49 ng
 RT: 11.58 min Scan# 831
 Delta R.T. 0.01 min
 Lab File: BF093344.D
 Acq: 3 Mar 2017 2:02

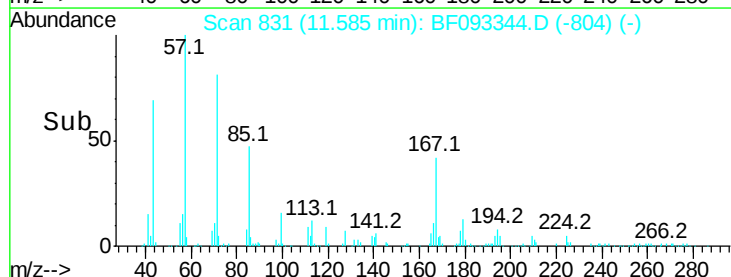
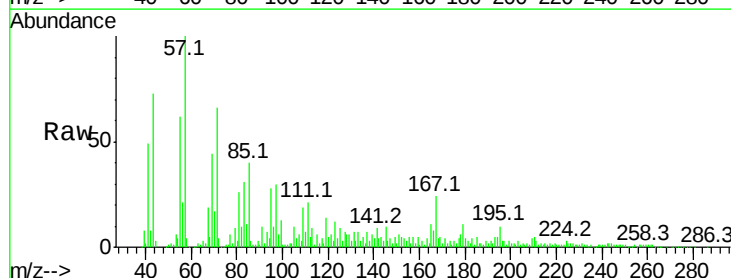
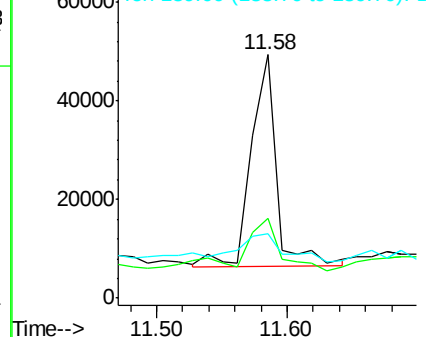
Tgt Ion	Ratio	Lower	Upper
167	100		
166	32.7	18.2	27.2
139	26.4	11.4	17.2

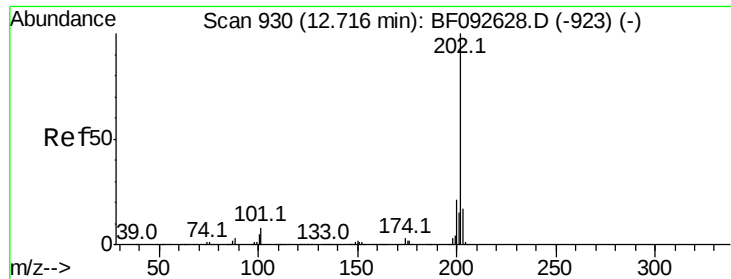
Abundance

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





#74

Fluoranthene

Concen: 21.79 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.00 min

Lab File: BF093344.D

Acq: 3 Mar 2017 2:02

Instrument :

BNA_F

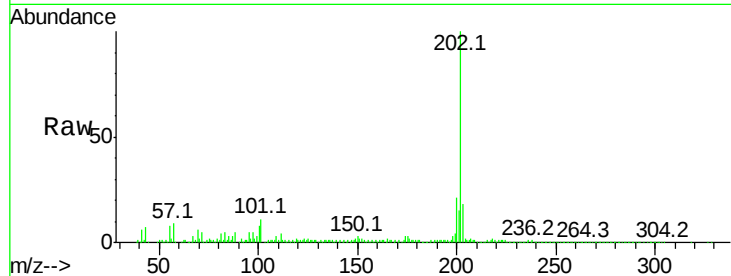
ClientSampleId :

HY-SB437

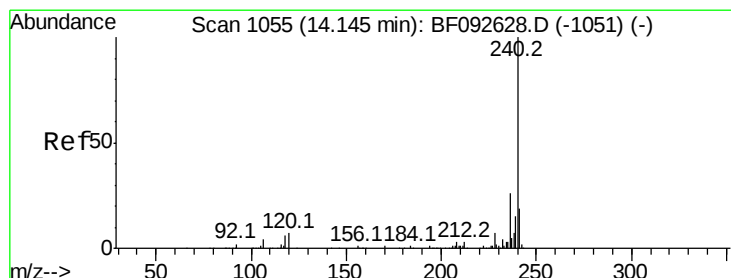
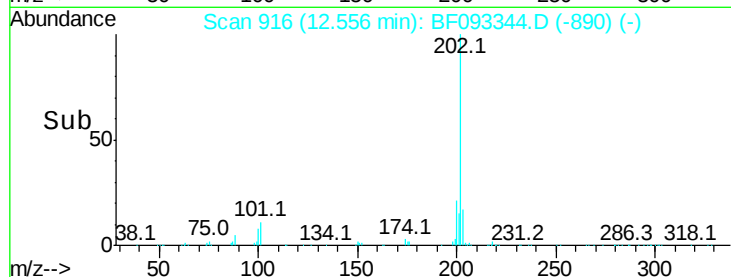
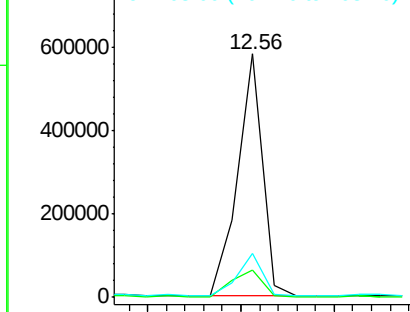
Tot Ion:	202	Resp:	542916
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	34.6
203	17.9	0.0	38.7

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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

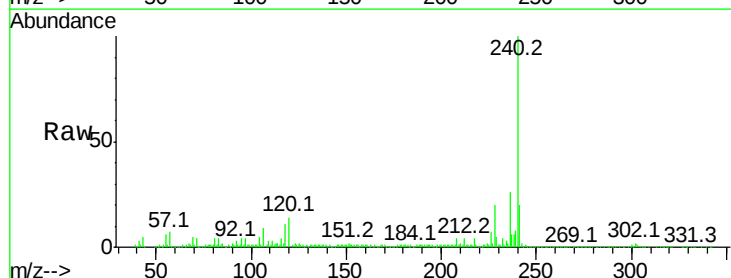
RT: 13.97 min Scan# 1040

Delta R.T. -0.01 min

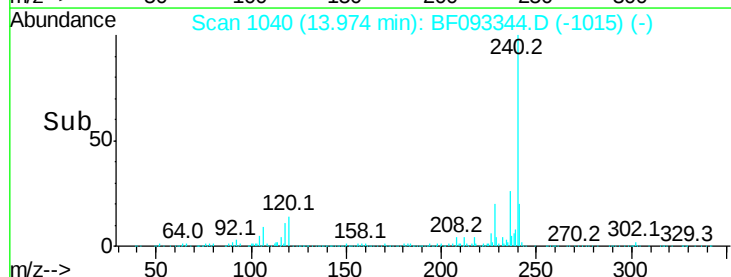
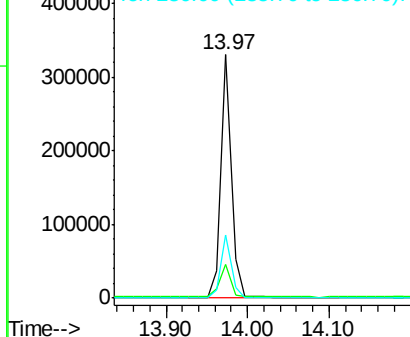
Lab File: BF093344.D

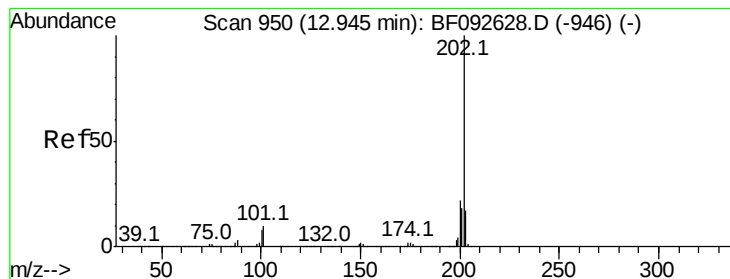
Acq: 3 Mar 2017 2:02

Tgt Ion:	240	Resp:	293172
Ion Ratio	Lower	Upper	
240	100		
120	14.0	12.9	19.3
236	25.9	20.9	31.3



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





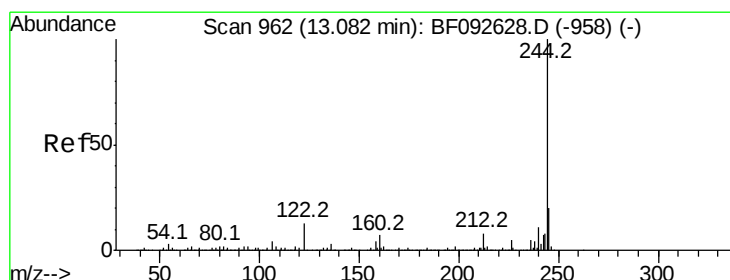
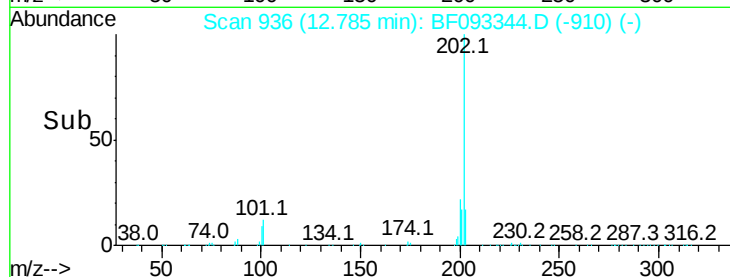
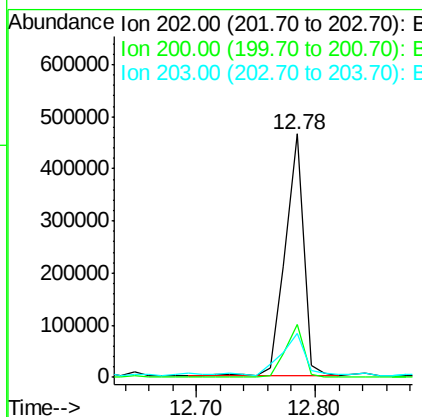
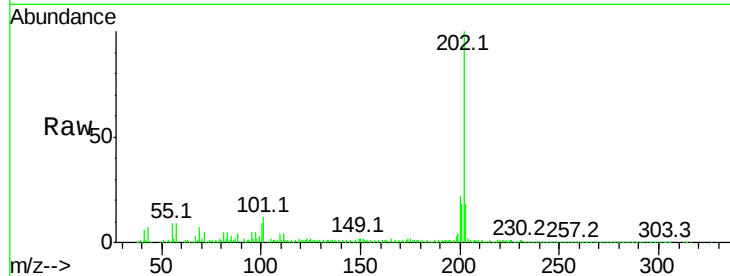
#77
Pvrene
Concen: 22.53 ng
RT: 12.78 min Scan# 936
Delta R.T. -0.00 min
Lab File: BF093344.D
Acq: 3 Mar 2017 2:02

Instrument :
BNA_F
ClientSampleId :
HY-SB437

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.7	26.5
203	18.0	14.7	22.1

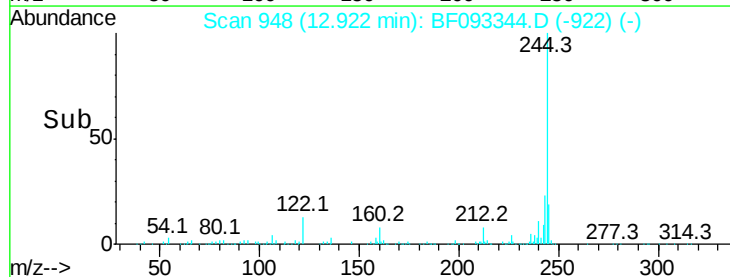
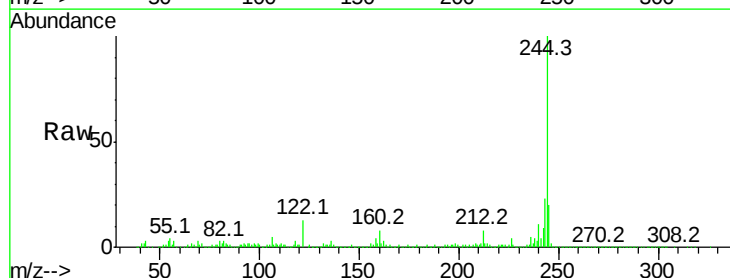
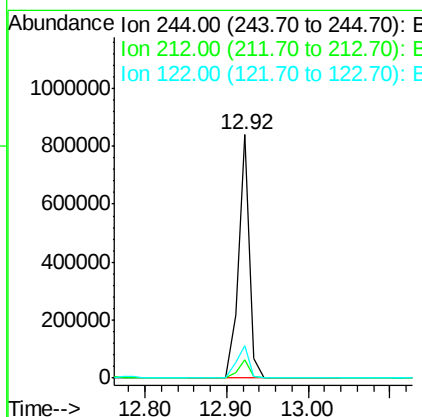
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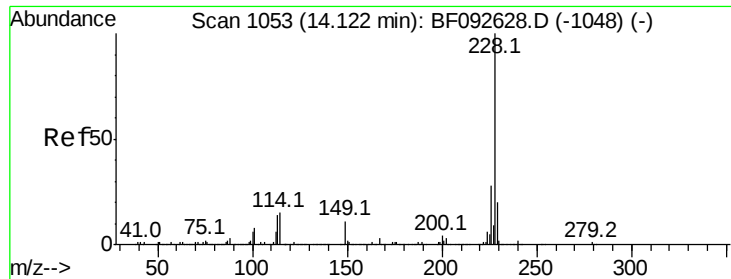
mohammad
3/3/2017 5:17:00 PM



#78
Terphenyl-d14
Concen: 62.39 ng
RT: 12.92 min Scan# 948
Delta R.T. -0.00 min
Lab File: BF093344.D
Acq: 3 Mar 2017 2:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	13.1	11.4	17.2





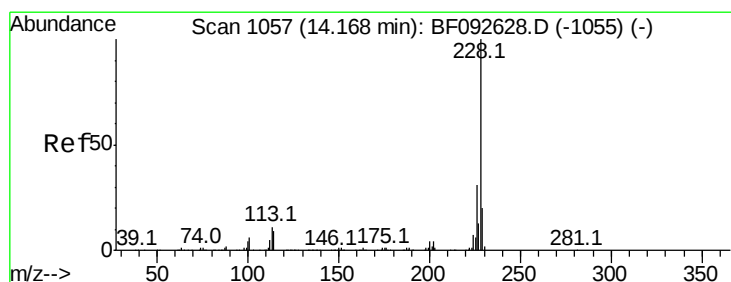
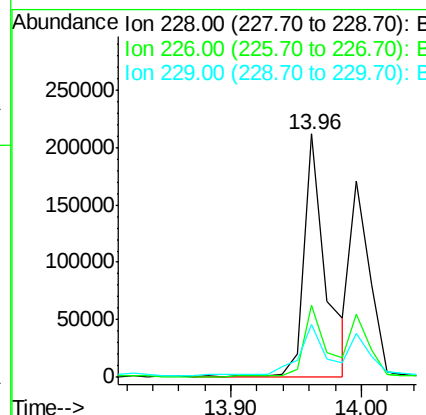
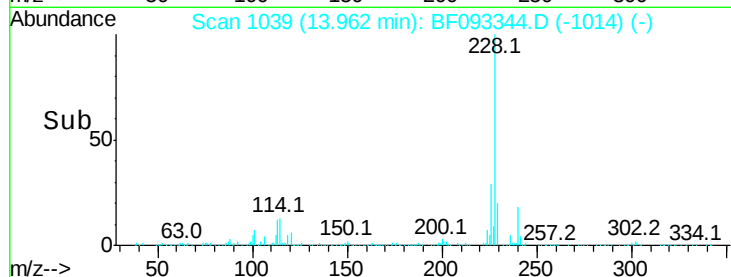
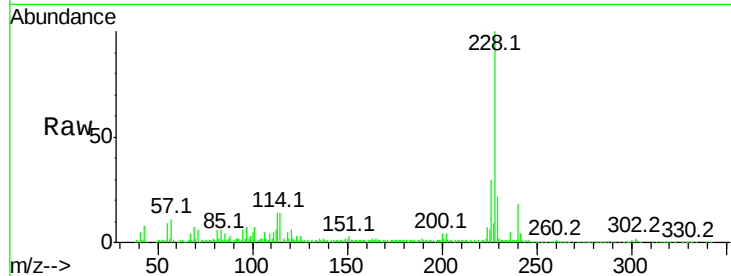
#80
Benzo(a)anthracene
Concen: 13.38 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF093344.D
Acq: 3 Mar 2017 2:02

Instrument :
BNA_F
ClientSampleId :
HY-SB437

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.4	33.6
229	21.7	16.2	24.4

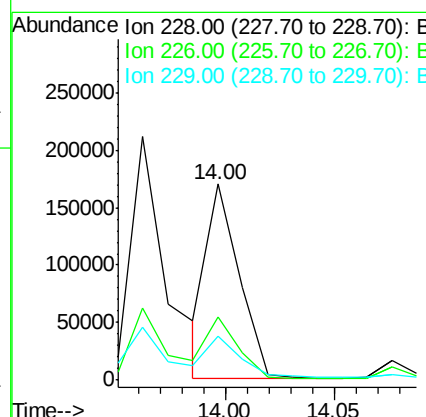
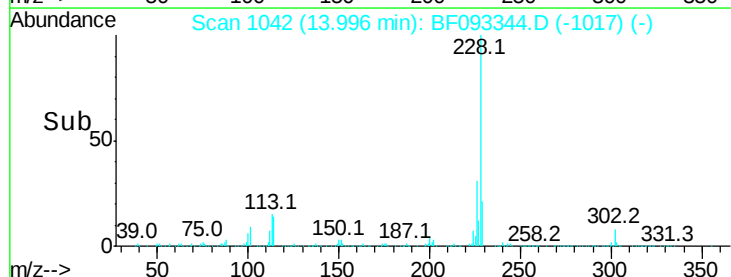
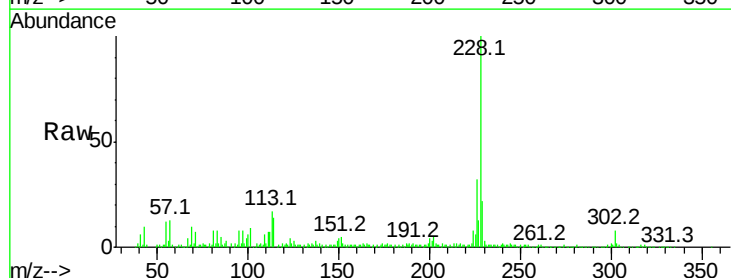
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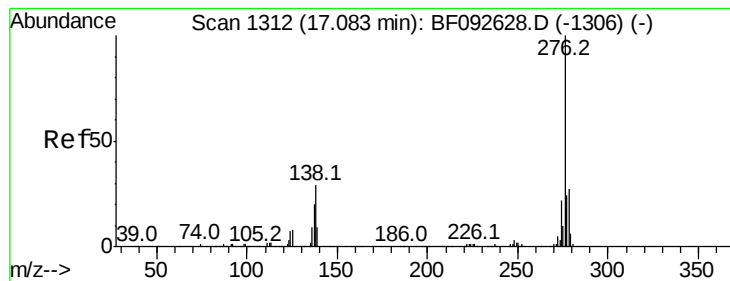
mohammad
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#82
Chrysene
Concen: 10.41 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF093344.D
Acq: 3 Mar 2017 2:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.4	38.0
229	22.2	16.2	24.2





#85

Indeno(1,2,3-cd)pyrene

Concen: 9.43 ng

RT: 16.80 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF093344.D

Acq: 3 Mar 2017 2:02

Instrument :

BNA_F

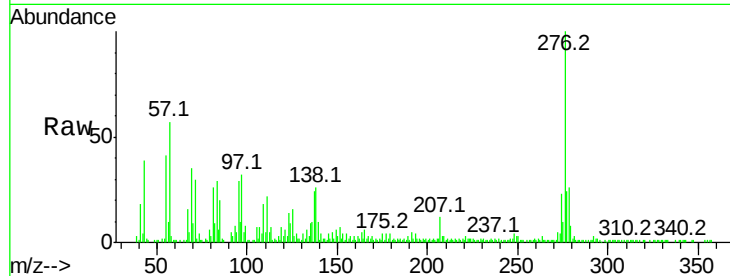
ClientSampleId :

HY-SB437

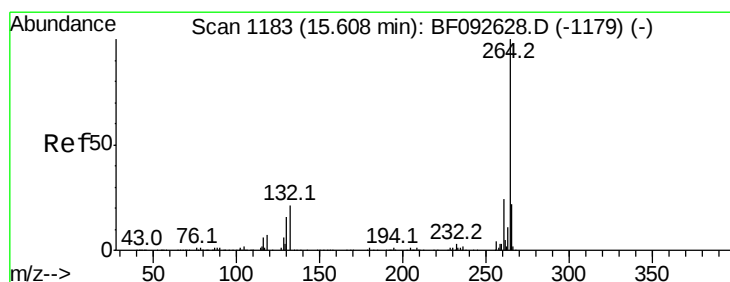
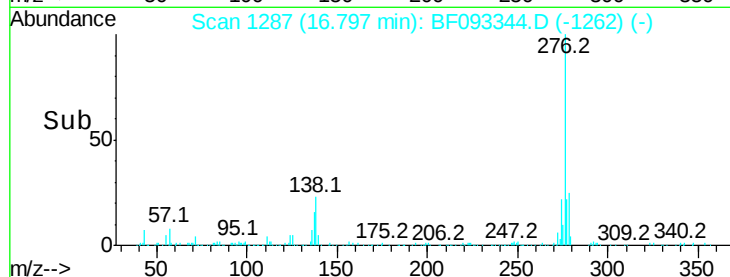
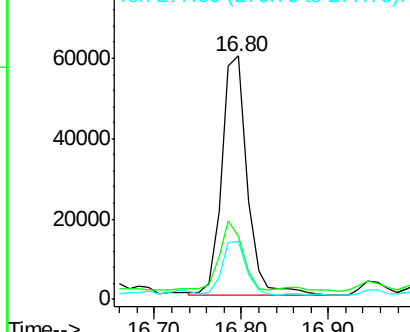
Tot Ion:	276	Resp:	122614
Ion Ratio	Lower	Upper	
276	100		
138	27.7	21.8	32.6
277	21.4	20.2	30.4

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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

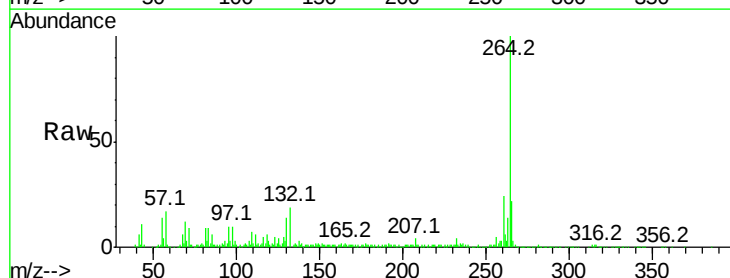
RT: 15.40 min Scan# 1165

Delta R.T. -0.00 min

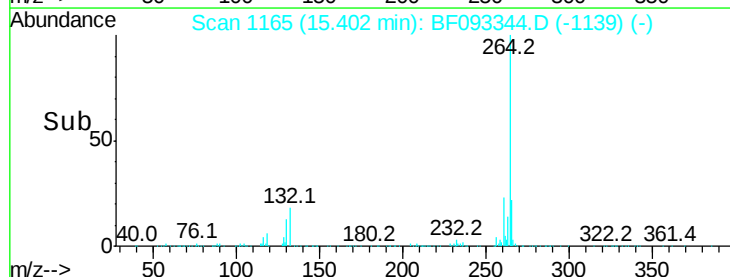
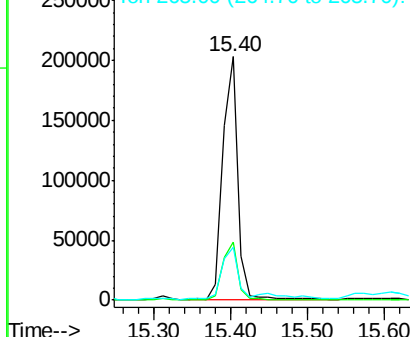
Lab File: BF093344.D

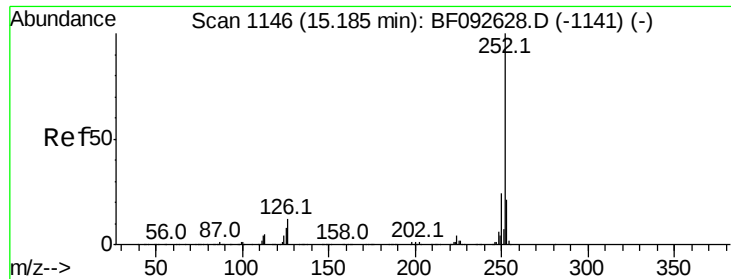
Acq: 3 Mar 2017 2:02

Tgt Ion:	264	Resp:	278208
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	21.9	17.4	26.0



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: 12.41 ng m

RT: 14.99 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BF093344.D

Acq: 3 Mar 2017 2:02

Instrument :

BNA_F

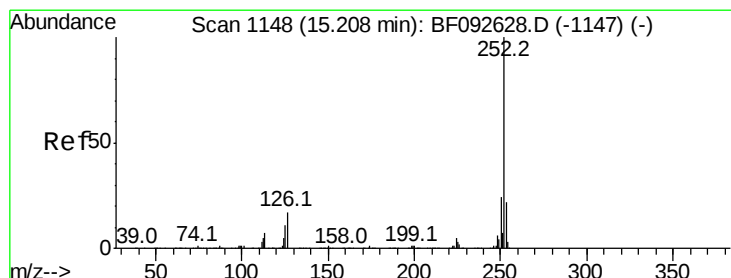
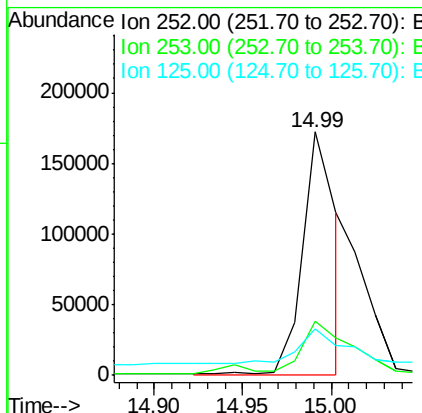
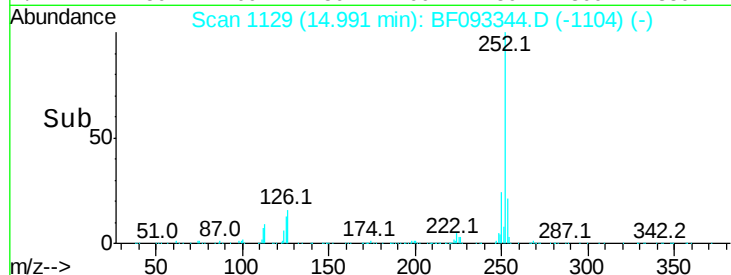
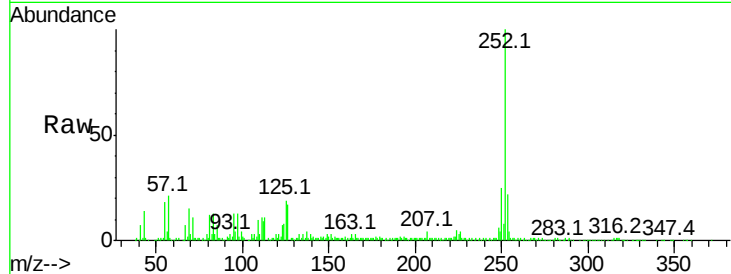
ClientSampleId :

HY-SB437

Tot Ion:	252	Resp:	227283
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.2	27.4
125	18.9	9.8	14.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 6.03 ng m

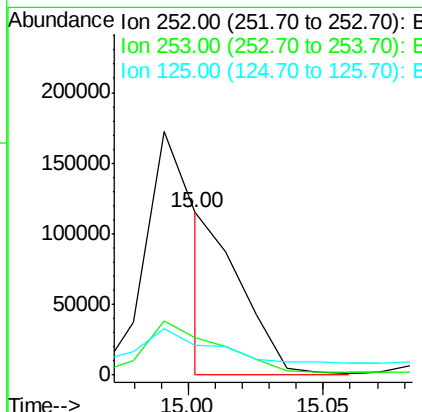
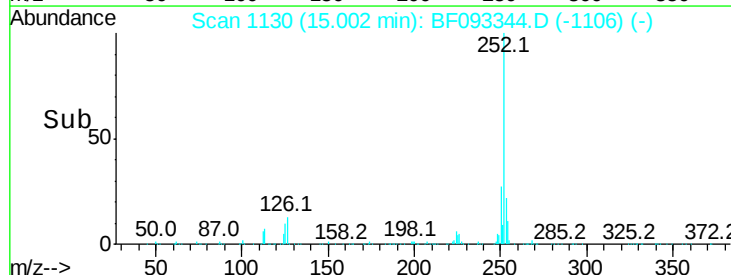
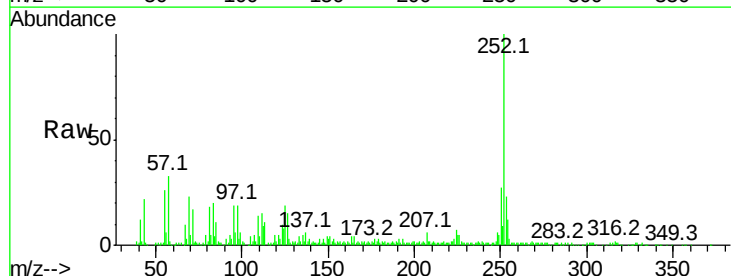
RT: 15.00 min Scan# 1130

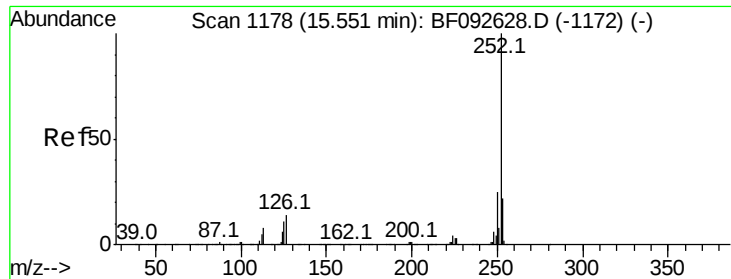
Delta R.T. -0.02 min

Lab File: BF093344.D

Acq: 3 Mar 2017 2:02

Tgt Ion:	252	Resp:	95383
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.5	27.7
125	18.7	8.9	13.3#





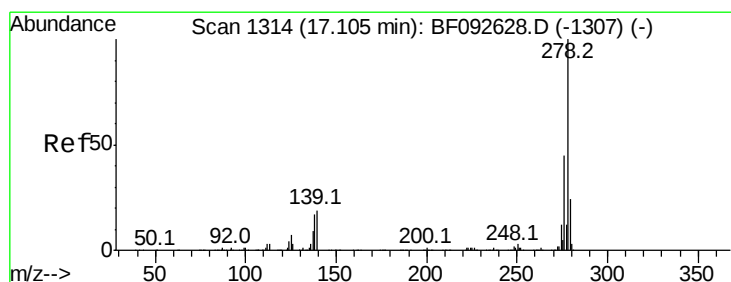
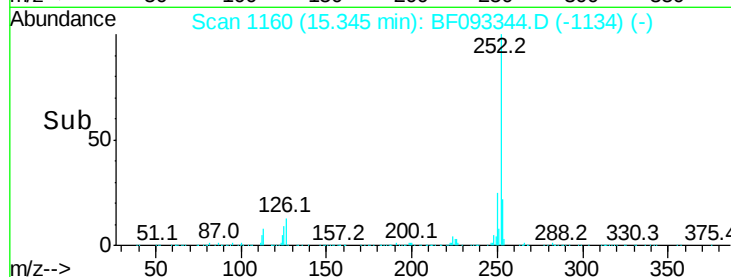
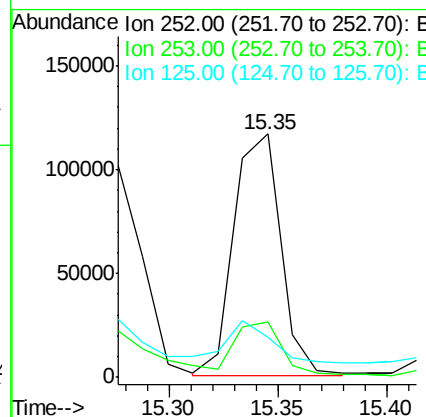
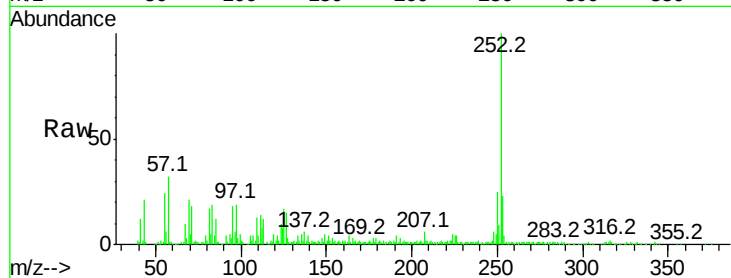
#89
Benzo(a)pyrene
Concen: 11.02 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BF093344.D
Acq: 3 Mar 2017 2:02

Instrument :
BNA_F
ClientSampleId :
HY-SB437

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	16.6	10.0	15.0

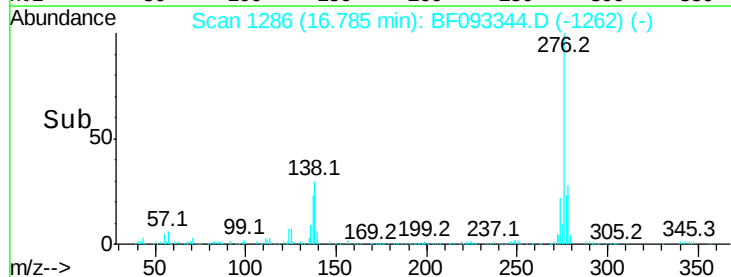
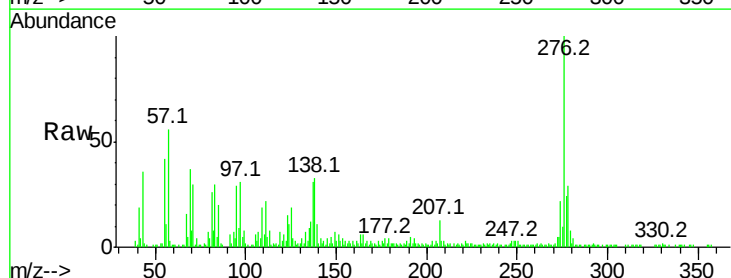
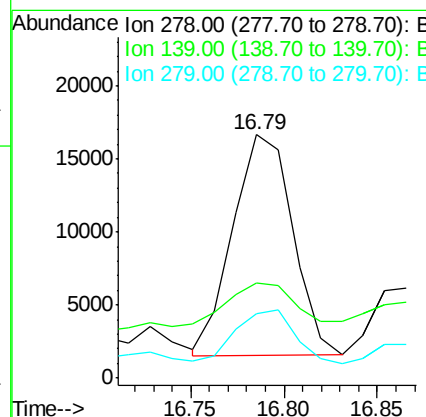
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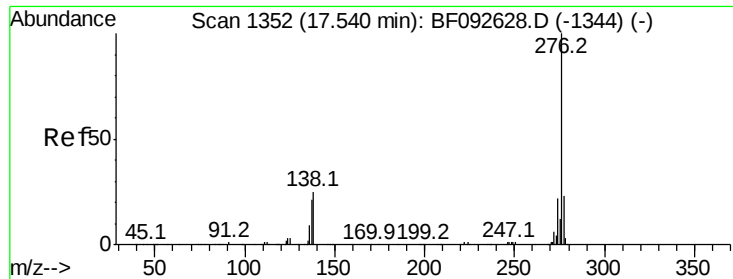
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 2.63 ng
RT: 16.79 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BF093344.D
Acq: 3 Mar 2017 2:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	38.9	14.8	22.2
279	26.6	19.8	29.6





#91

Benzo(a,h,i)perylene

Concen: 8.96 ng

RT: 17.21 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF093344.D

Acq: 3 Mar 2017 2:02

Instrument :

BNA_F

ClientSampleId :

HY-SB437

Tot Ion:	276	Resp:	115882
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.2	28.8
138	29.9	16.0	24.0

Manual Integrations
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3/3/2017 5:17:00 PM

