

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094255.D
 Acq On : 7 Apr 2017 6:00
 Operator : SJ/MA
 Sample : I2563-03
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-SSW

Manual Integrations
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 4/7/2017 5:21:23 PM

Quant Time: Apr 07 06:35:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	163392	20.00	ng	0.00
21) Naphthalene-d8	7.36	136	638327	20.00	ng	0.00
38) Acenaphthene-d10	9.50	164	275994	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	417624	20.00	ng	0.00
75) Chrysene-d12	14.58	240	303468	20.00	ng	0.00
86) Perylene-d12	16.21	264	252718	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	1297812	134.16	ng	0.00
7) Phenol-d6	5.47	99	1568611	131.07	ng	0.00
23) Nitrobenzene-d5	6.50	82	1015262	90.77	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	292067	133.92	ng	0.00
44) 2-Fluorobiphenyl	8.68	172	1569375	86.73	ng	0.00
78) Terphenyl-d14	13.31	244	875912	64.70	ng	0.01
Target Compounds						Qvalue
10) Phenol	5.47	94	130049	9.55	ng	95
31) Naphthalene	7.38	128	78443	2.56	ng	# 96
37) 2-Methylnaphthalene	8.22	142	75847	3.71	ng	99
49) Dimethylphthalate	9.18	163	295714	15.07	ng	97
70) Phenanthrene	11.35	178	105048	4.52	ng	98
74) Fluoranthene	12.82	202	54314	2.28	ng	94
77) Pyrene	13.09	202	58022m	2.63	ng	
80) Benzo(a)anthracene	14.57	228	94195	5.32	ng	100
82) Chrysene	14.61	228	101686	6.19	ng	97
85) Indeno(1,2,3-cd)pyrene	17.53	276	93102	6.55	ng	96
87) Benzo(b)fluoranthene	15.80	252	214892m	13.87	ng	
88) Benzo(k)fluoranthene	15.83	252	58004m	3.83	ng	
89) Benzo(a)pyrene	16.14	252	150051	10.52	ng	# 95
90) Dibenzo(a,h)anthracene	17.54	278	24245	2.01	ng	# 81
91) Benzo(a,h,i)perylene	17.92	276	85241	7.00	ng	98

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

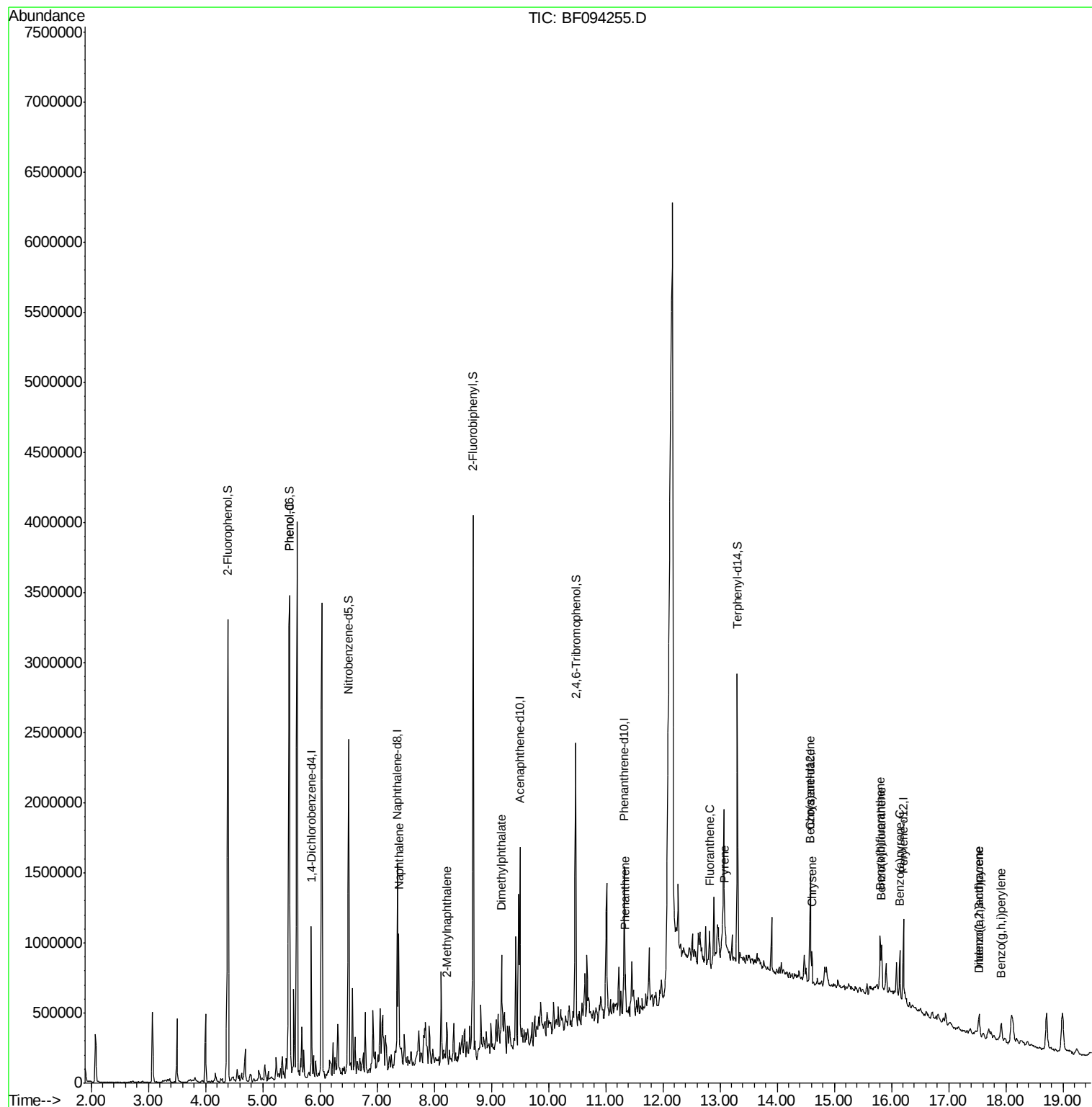
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
Data File : BF094255.D
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ALS Vial : 37 Sample Multiplier: 1

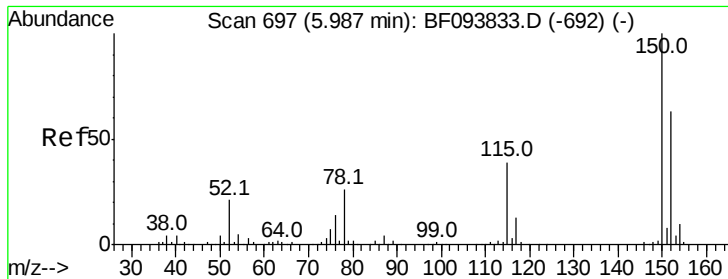
Instrument :
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#1

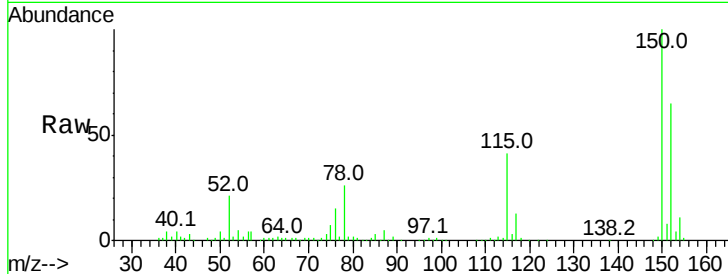
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW

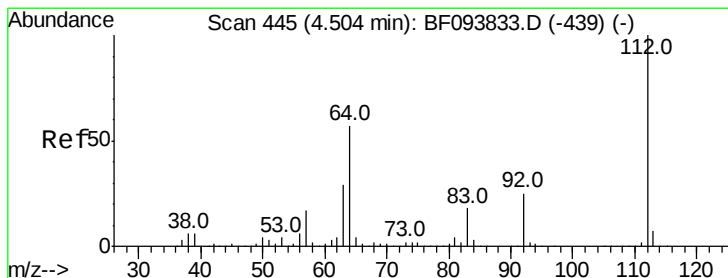
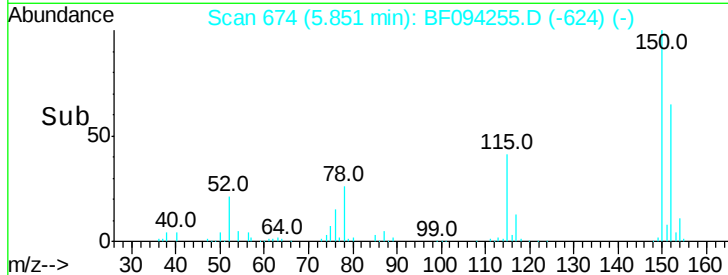
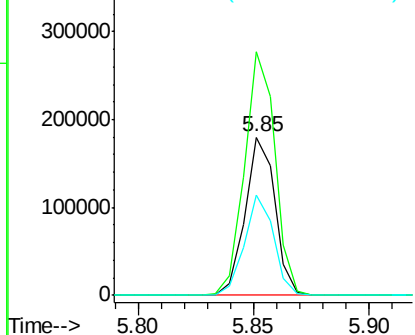
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.2	189.2
115	63.5	52.2	78.2

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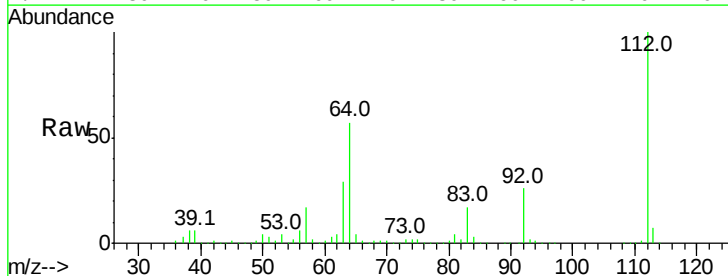
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



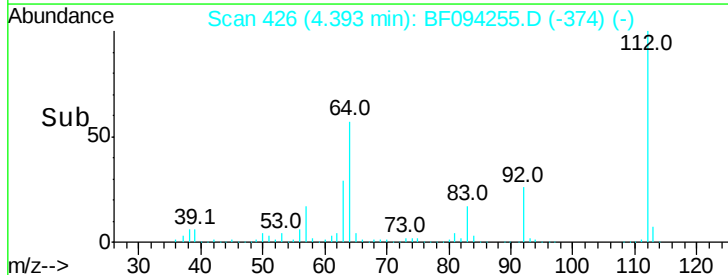
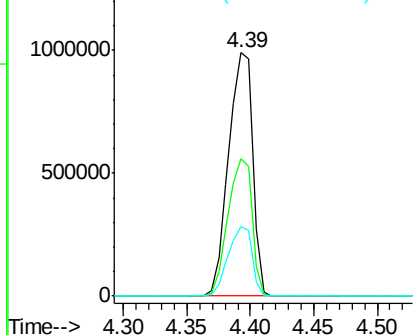
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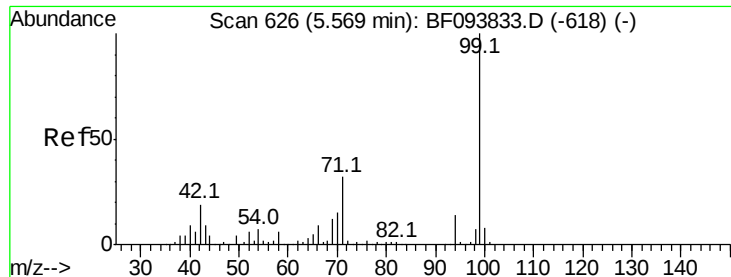
2-Fluorophenol
Concen: 134.16 ng
RT: 4.39 min Scan# 426
Delta R.T. 0.01 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	46.0	69.0
63	28.5	23.4	35.0



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: 131.07 ng

RT: 5.47 min Scan# 609

Delta R.T. 0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

Instrument :

BNA_F

ClientSampleId :

E2-AA10-SSW

Tot Ion: 99 Resp: 1568611

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

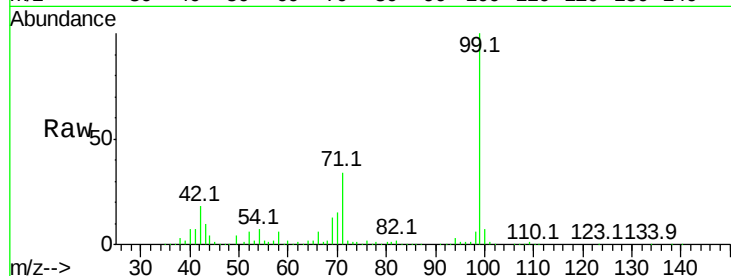
71 33.8 24.5 36.7

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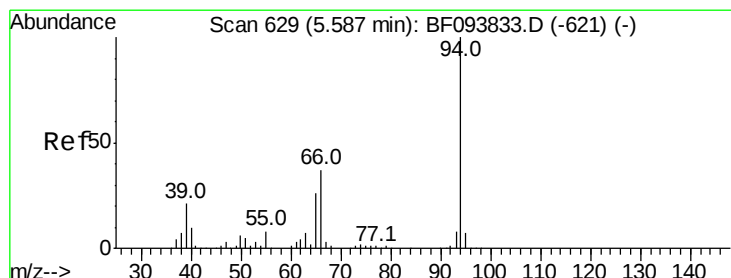
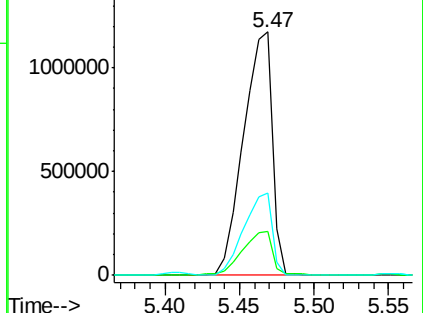
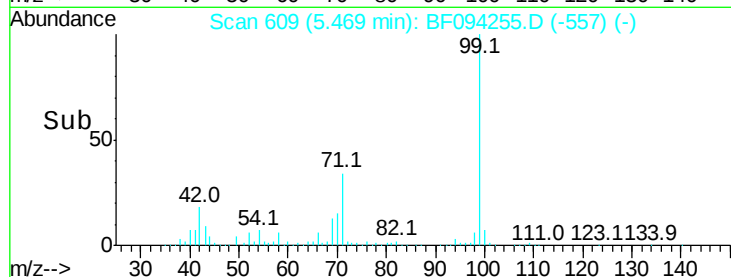
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 9.55 ng

RT: 5.47 min Scan# 610

Delta R.T. -0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

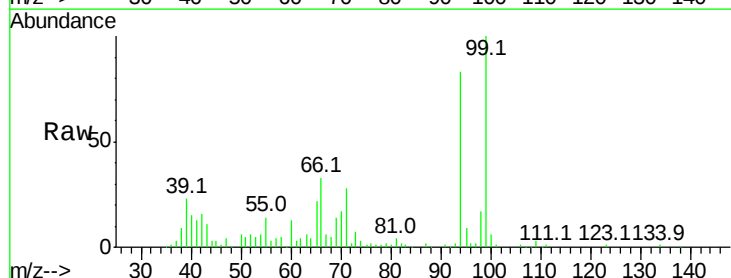
Tgt Ion: 94 Resp: 130049

Ion Ratio Lower Upper

94 100

65 27.0 9.9 49.9

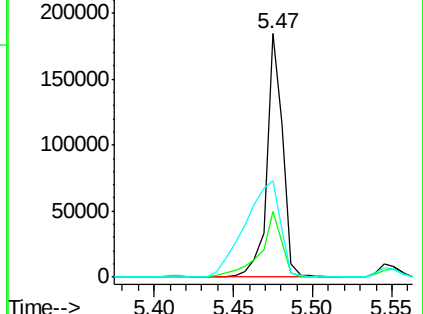
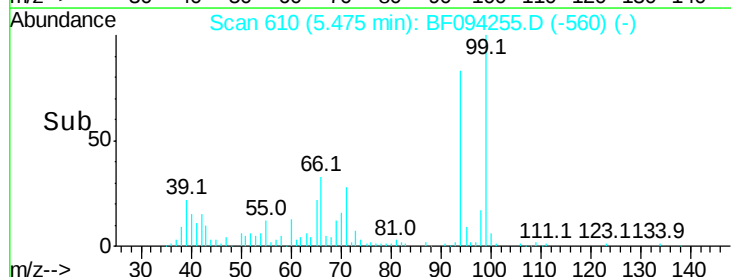
66 39.6 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





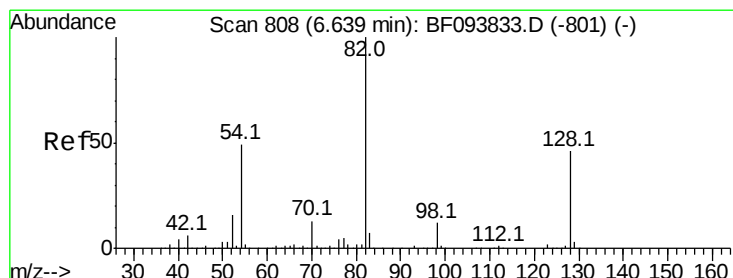
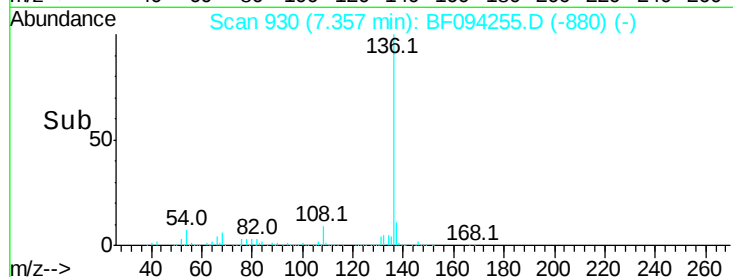
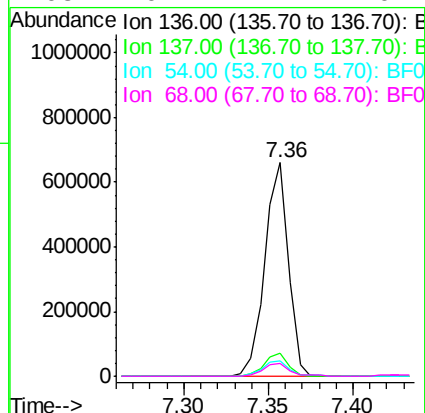
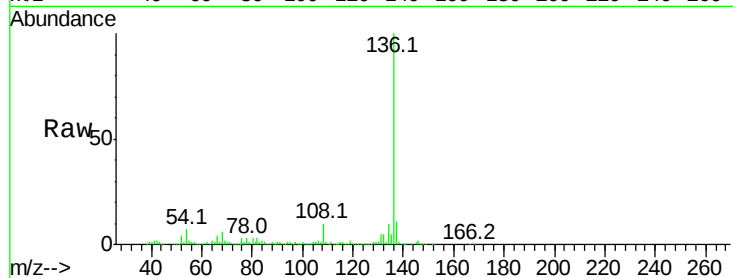
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.36 min Scan# 930
Delta R.T. -0.01 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.5	12.7	
54	7.5	4.9	7.3#	
68	6.1	4.1	6.1	

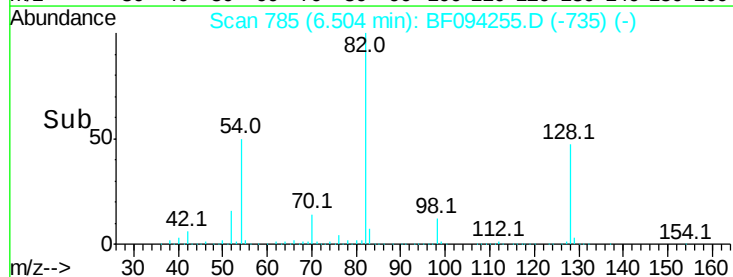
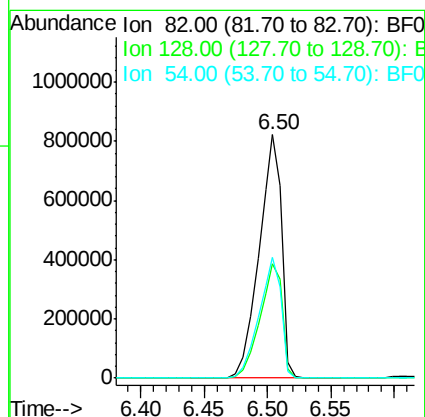
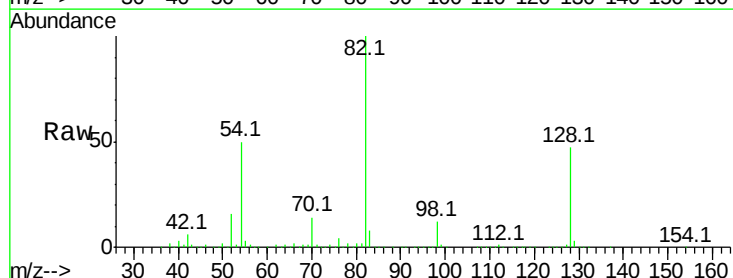
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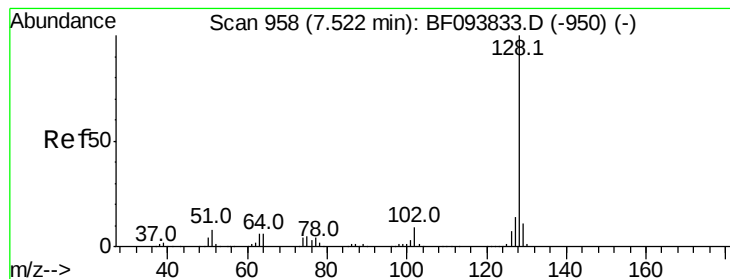
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#23
Nitrobenzene-d5
Concen: 90.77 ng
RT: 6.50 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.9	34.0	51.0	
54	49.6	42.2	63.2	





#31

Naphthalene

Concen: 2.56 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

Instrument :

BNA_F

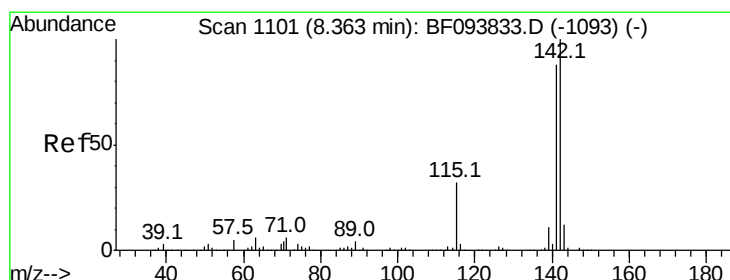
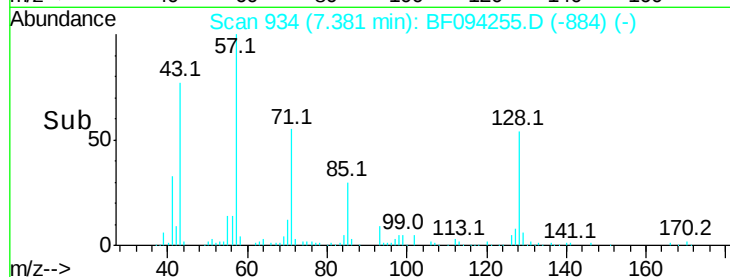
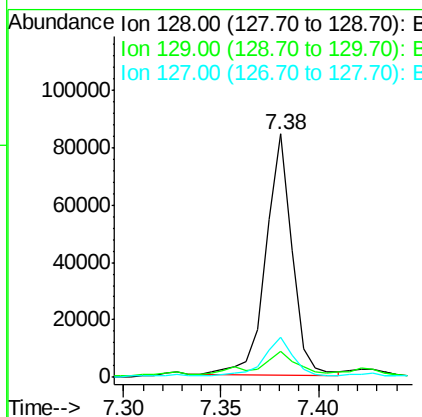
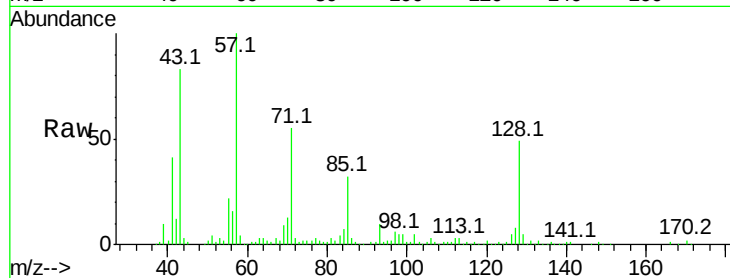
ClientSampleId :

E2-AA10-SSW

Tot Ion:	128	Resp:	78443
Ion Ratio	Lower	Upper	
128	100		
129	10.8	9.0	13.6
127	16.2	10.8	16.2#

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#37

2-Methylnaphthalene

Concen: 3.71 ng

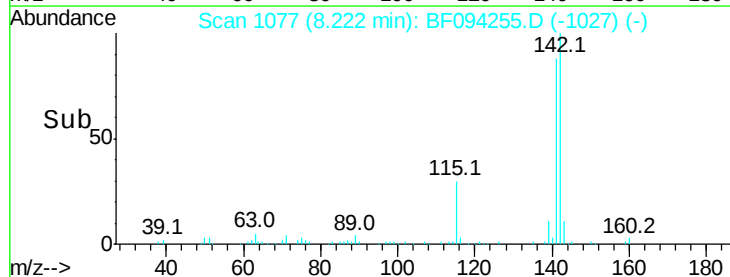
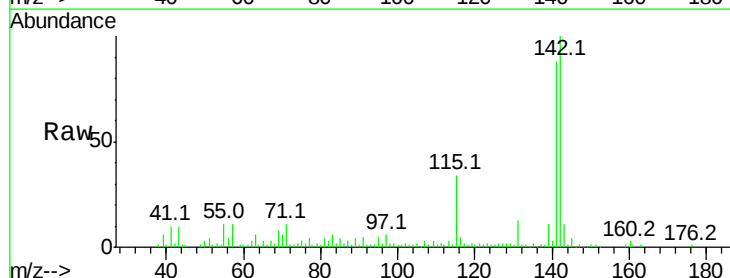
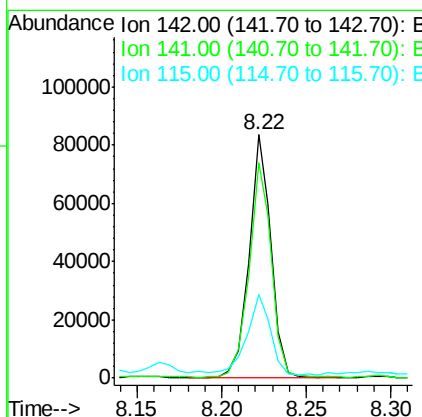
RT: 8.22 min Scan# 1077

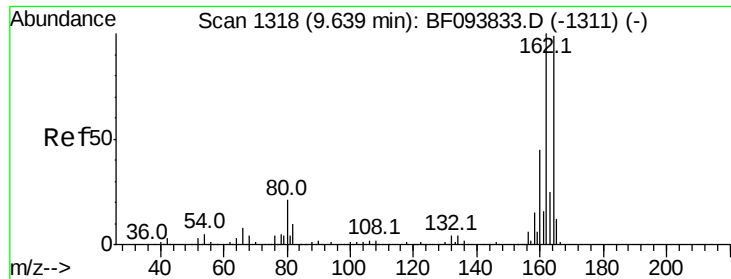
Delta R.T. -0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

Tgt Ion:	142	Resp:	75847
Ion Ratio	Lower	Upper	
142	100		
141	88.3	71.3	106.9
115	34.5	27.1	40.7





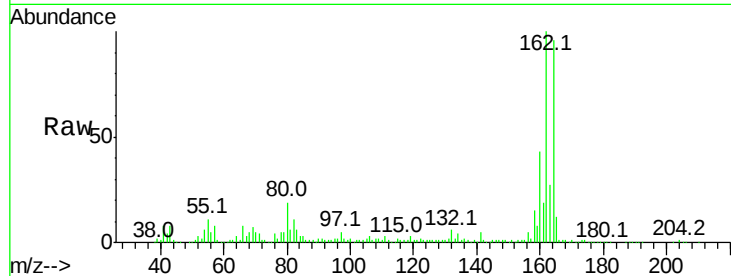
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.50 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW

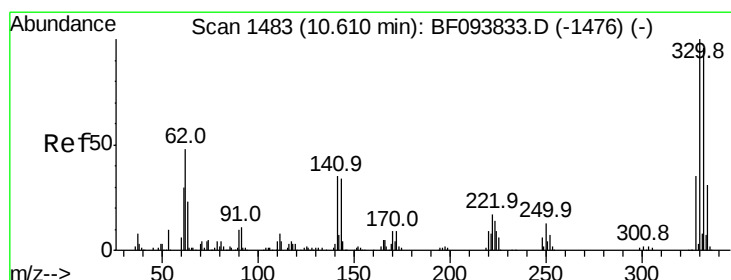
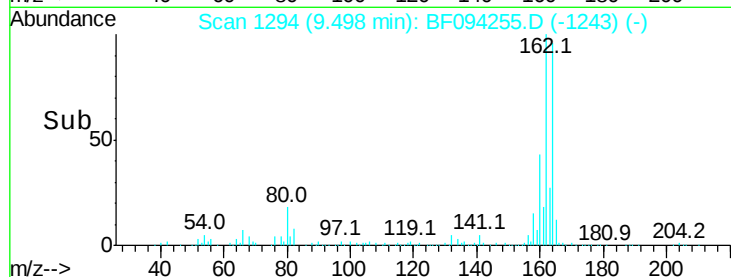
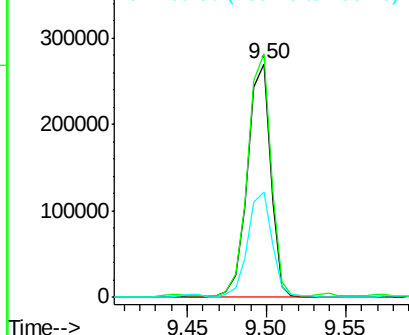
Tot Ion	Ratio	Resp	Lower	Upper
164	100	275994		
162	104.0		82.6	123.8
160	45.1		36.2	54.2

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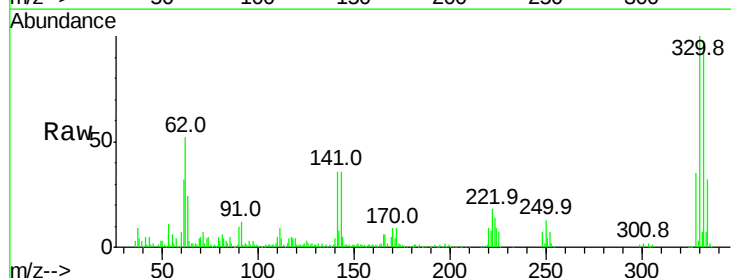


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

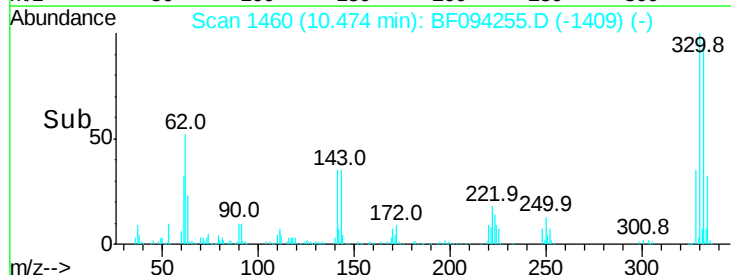
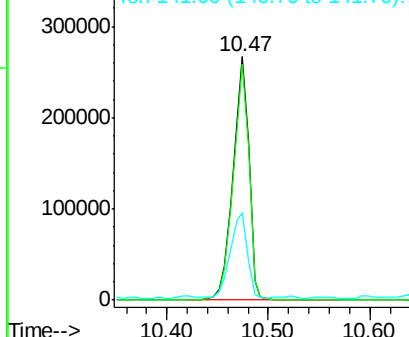


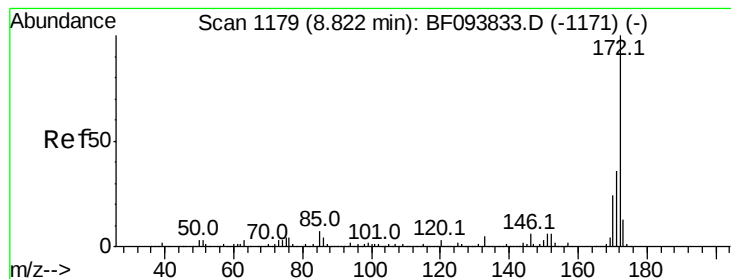
#41
2,4,6-Tribromophenol
Concen: 133.92 ng
RT: 10.47 min Scan# 1460
Delta R.T. -0.00 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	292067		
332	96.0		76.6	115.0
141	37.3		31.4	47.2



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





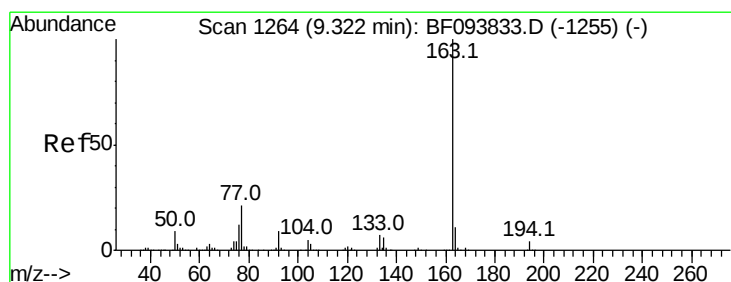
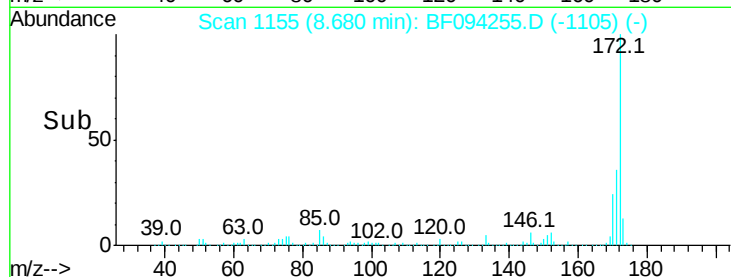
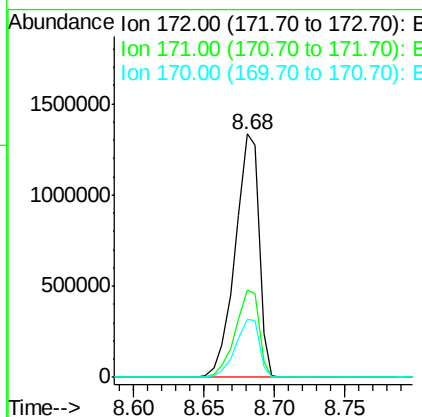
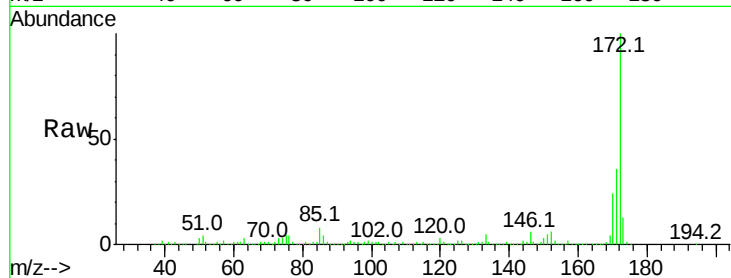
#44
2-Fluorobiphenyl
Concen: 86.73 ng
RT: 8.68 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.9	19.8	29.8

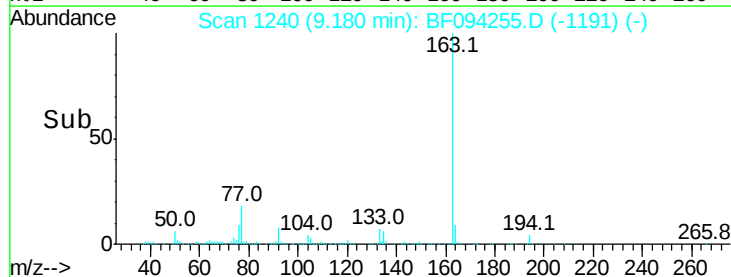
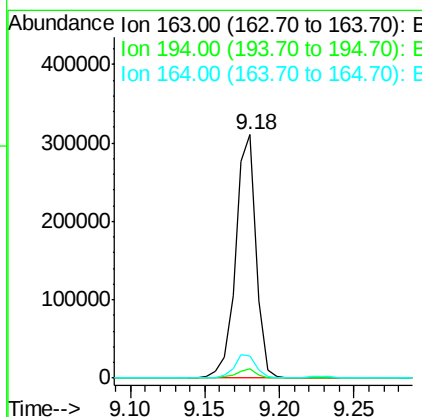
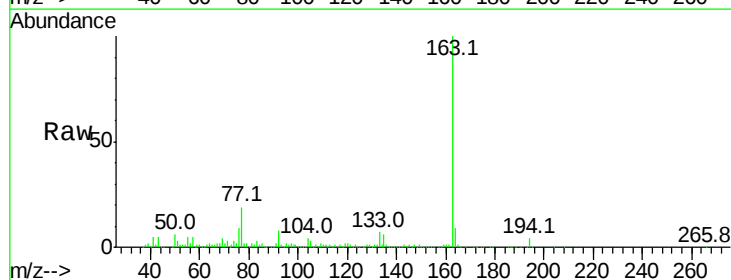
Manual Integrations
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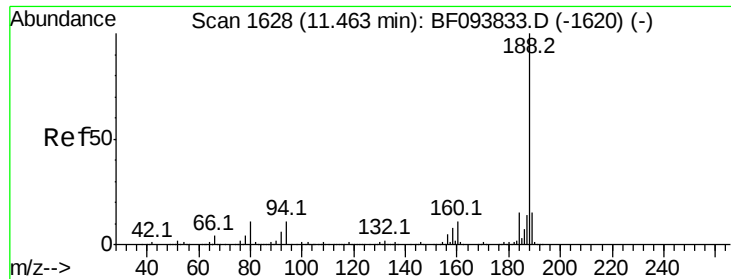
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#49
Dimethylphthalate
Concen: 15.07 ng
RT: 9.18 min Scan# 1240
Delta R.T. -0.01 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	9.2	8.4	12.6





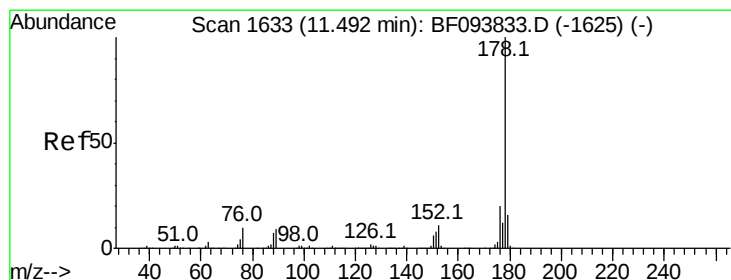
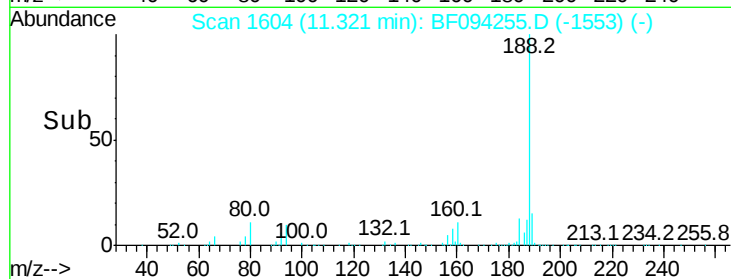
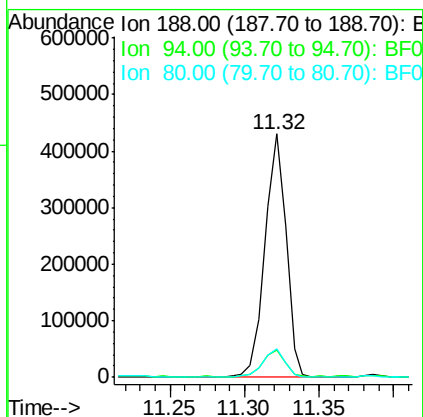
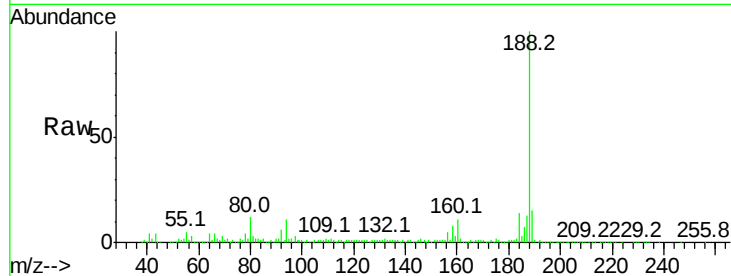
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW

Tot Ion	Ratio	Resp	Lower	Upper
188	100	417624		
94	11.2		9.4	14.2
80	11.6		10.2	15.2

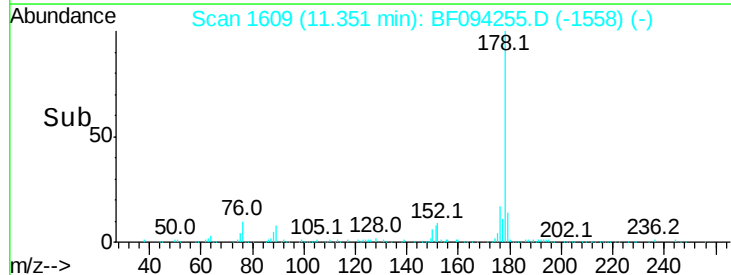
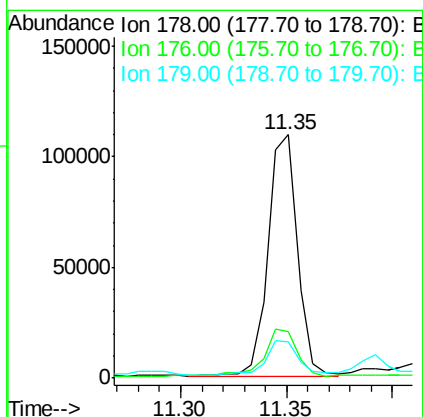
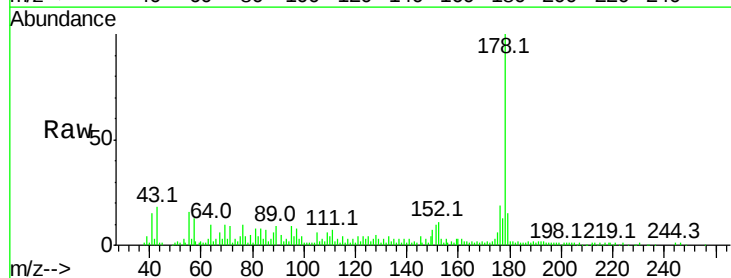
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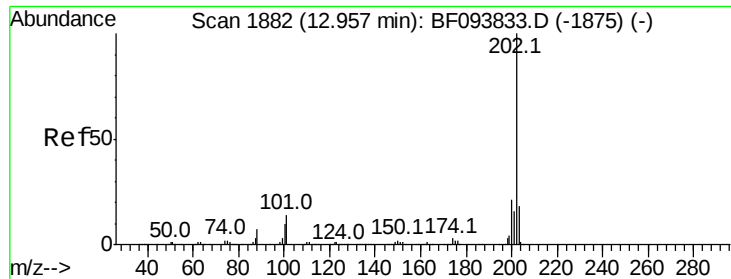
mohammad
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#70
Phenanthrene
Concen: 4.52 ng
RT: 11.35 min Scan# 1609
Delta R.T. -0.00 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	105048		
176	19.0		16.2	24.4
179	15.1		12.6	19.0





#74

Fluoranthene

Concen: 2.28 ng

RT: 12.82 min Scan# 1859

Delta R.T. 0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

Instrument :

BNA_F

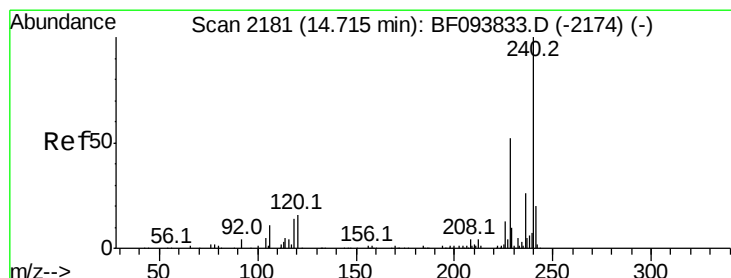
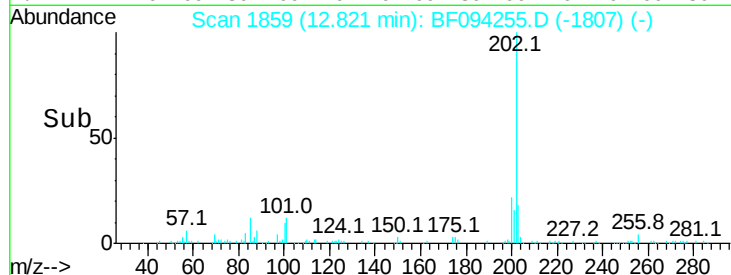
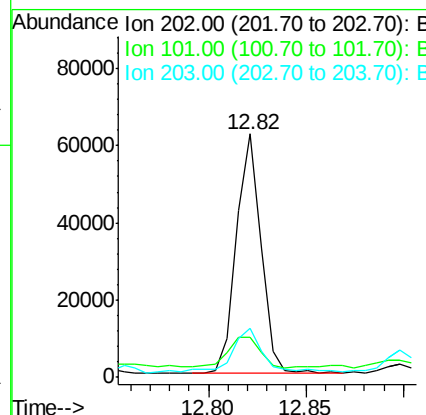
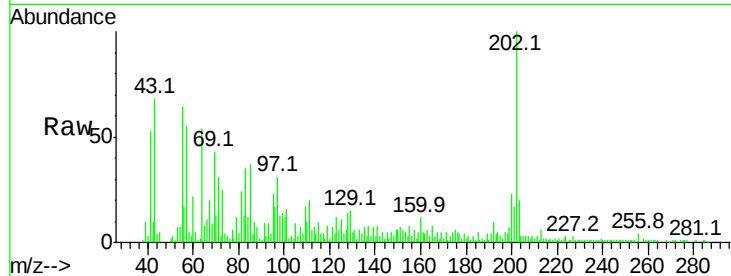
ClientSampleId :

E2-AA10-SSW

Tot Ion:	202	Resp:	54314
Ion Ratio	Lower	Upper	
202	100		
101	16.5	0.0	33.2
203	20.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

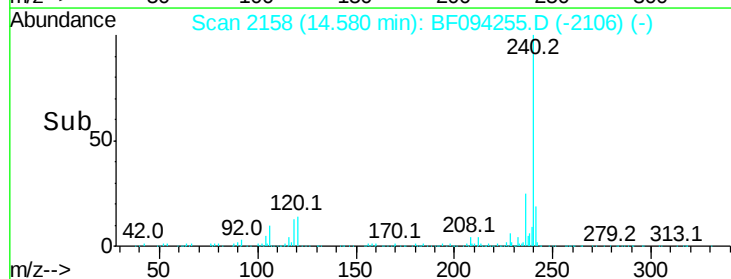
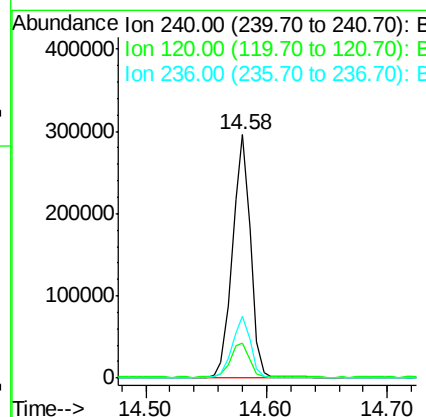
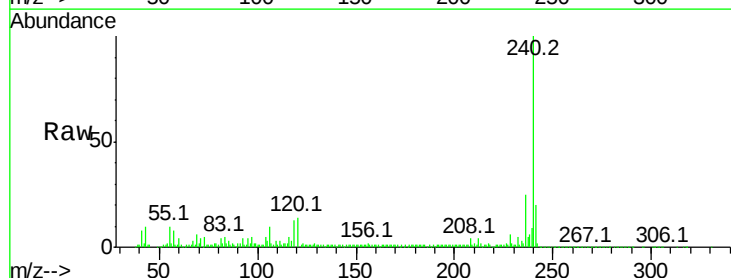
RT: 14.58 min Scan# 2158

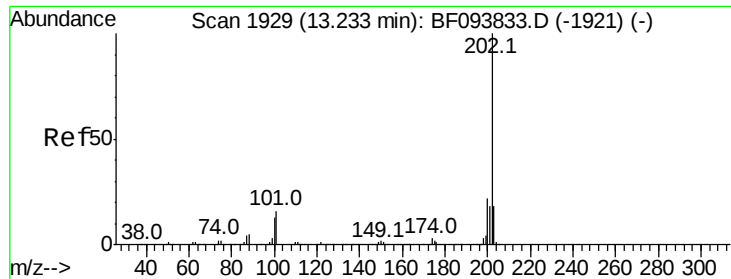
Delta R.T. 0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

Tgt Ion:	240	Resp:	303468
Ion Ratio	Lower	Upper	
240	100		
120	14.4	5.8	8.8#
236	25.4	20.5	30.7





#77

Pvrene

Concen: 2.63 ng/mL

RT: 13.09 min Scan# 1905

Delta R.T. -0.00 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

Instrument :

BNA_F

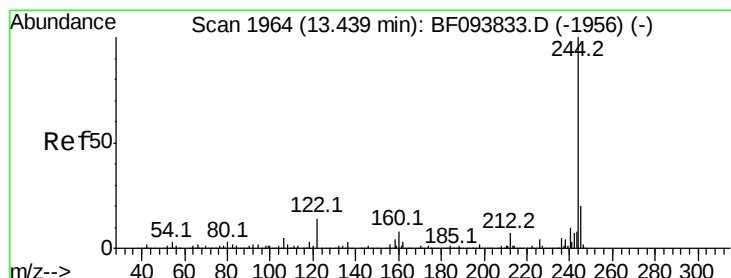
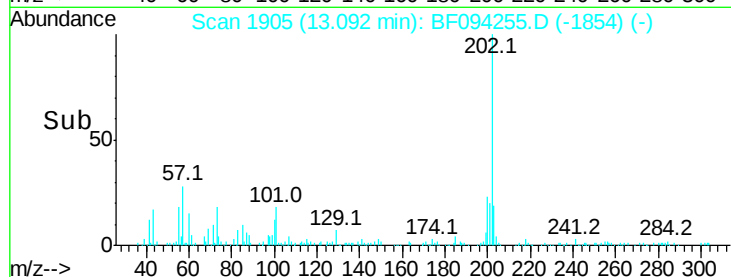
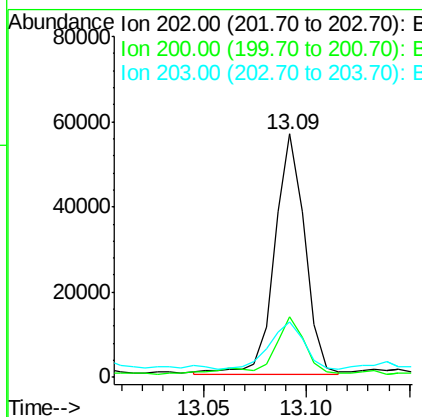
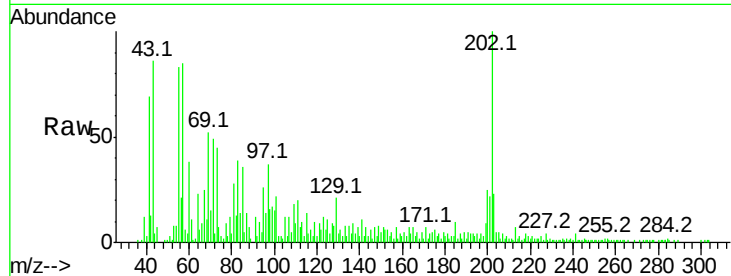
ClientSampleId :

E2-AA10-SSW

Tot Ion:	202	Resp:	58022
Ion Ratio	Lower	Upper	
202	100		
200	24.8	17.6	26.4
203	22.6	14.4	21.6

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#78

Terphenyl-d14

Concen: 64.70 ng

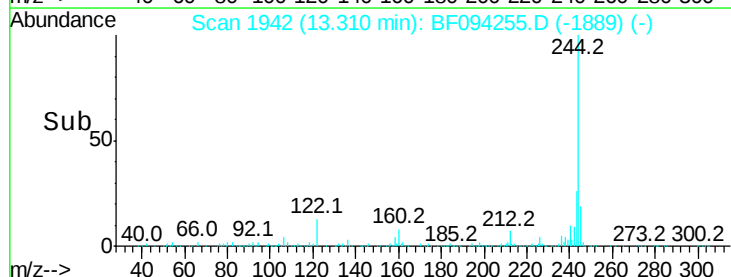
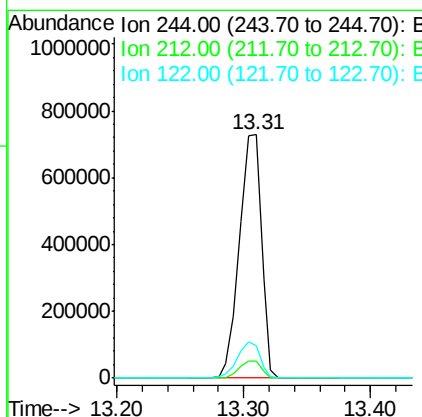
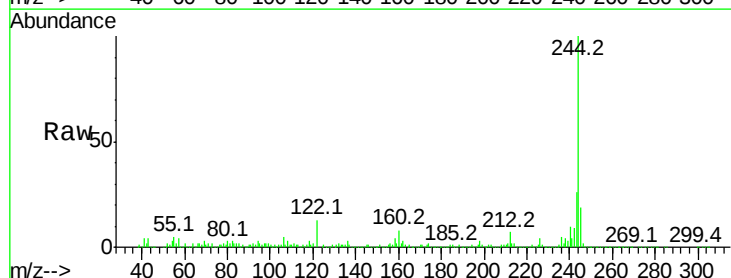
RT: 13.31 min Scan# 1942

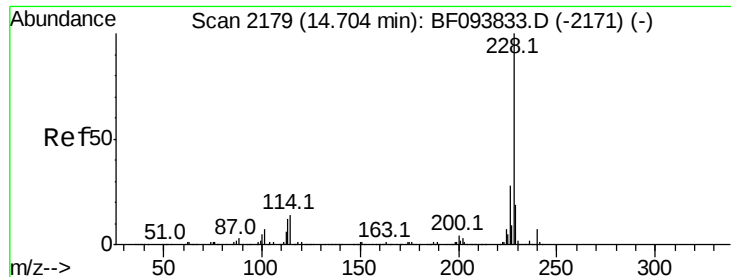
Delta R.T. 0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

Tgt Ion:	244	Resp:	875912
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	13.2	10.3	15.5





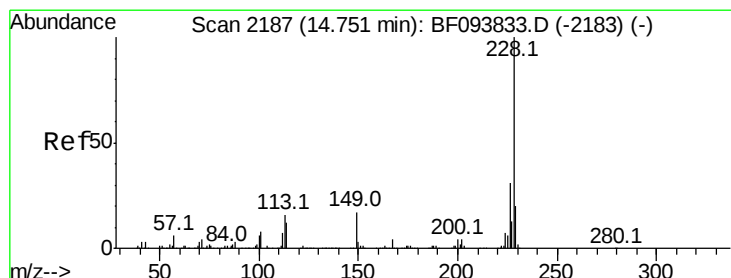
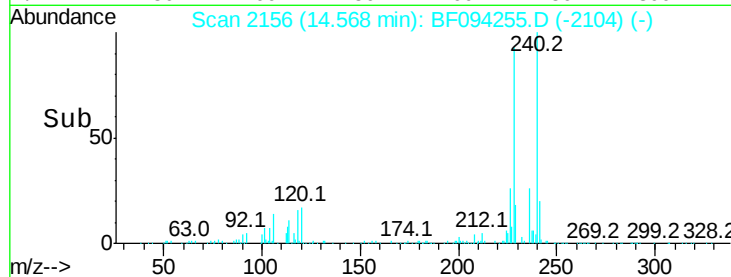
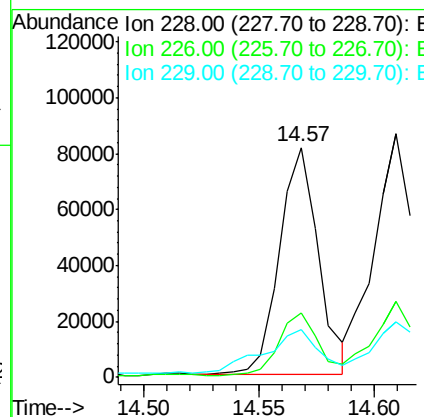
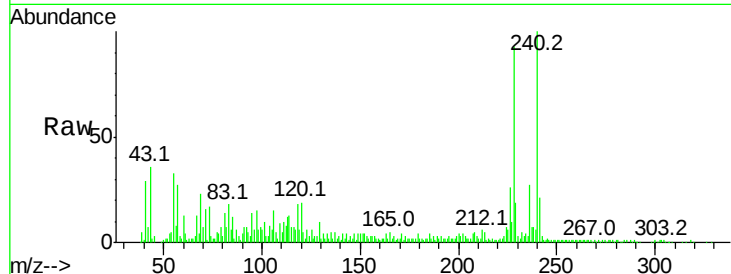
#80
Benzo(a)anthracene
Concen: 5.32 ng
RT: 14.57 min Scan# 2156
Delta R.T. 0.01 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW

Tot Ion	Ratio	Resp	Lower	Upper
228	100	94195		
226	28.3		22.6	33.8
229	20.8		16.3	24.5

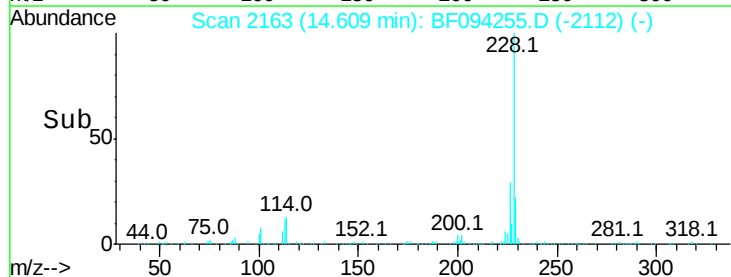
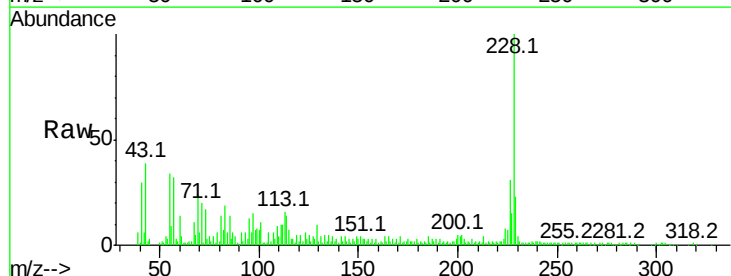
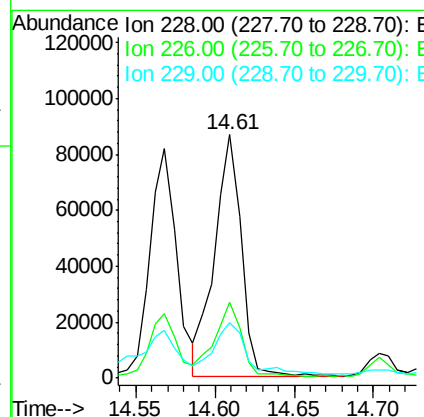
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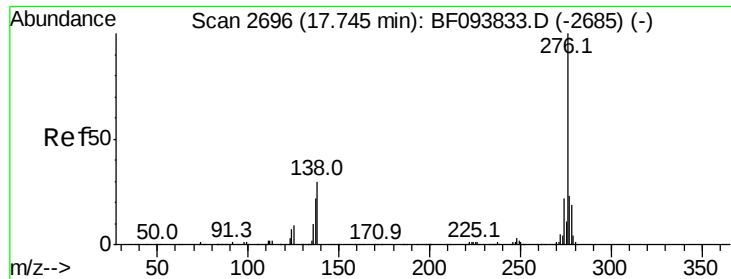
mohammad
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#82
Chrysene
Concen: 6.19 ng
RT: 14.61 min Scan# 2163
Delta R.T. -0.00 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	101686		
226	31.2		24.9	37.3
229	23.0		15.8	23.6





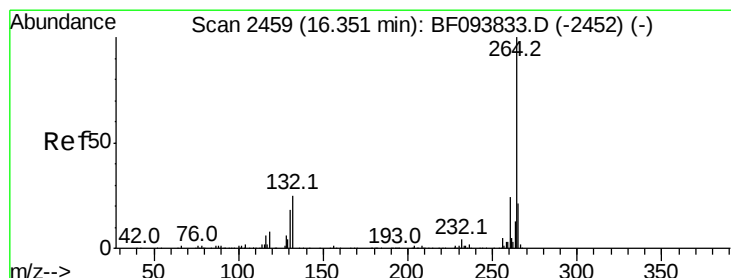
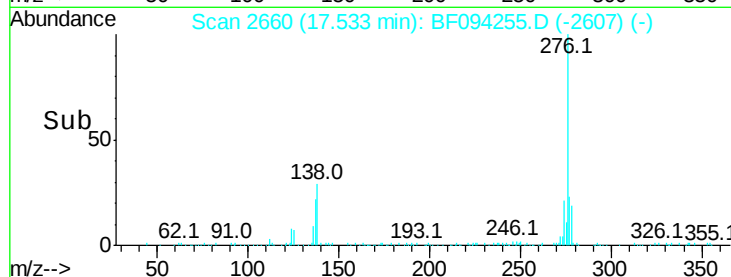
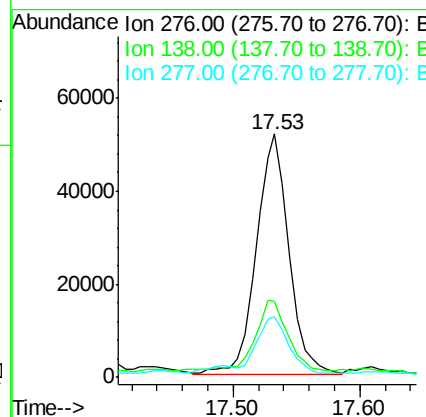
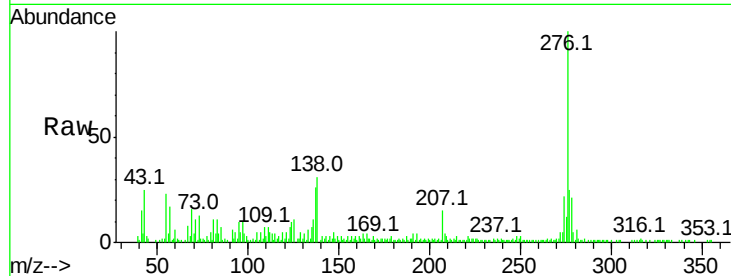
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.55 ng
RT: 17.53 min Scan# 2660
Delta R.T. 0.01 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.1	27.8	41.6
277	24.3	20.2	30.4

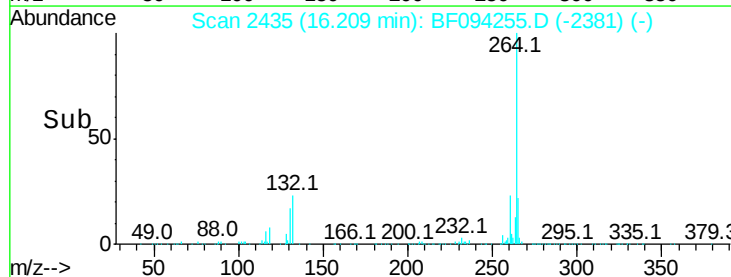
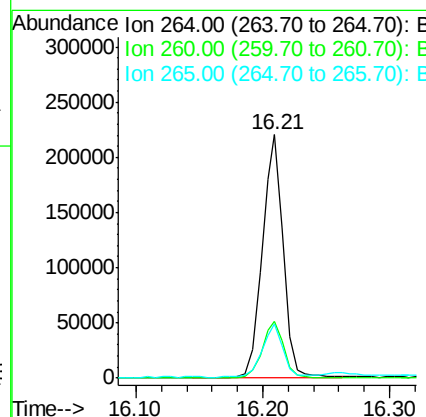
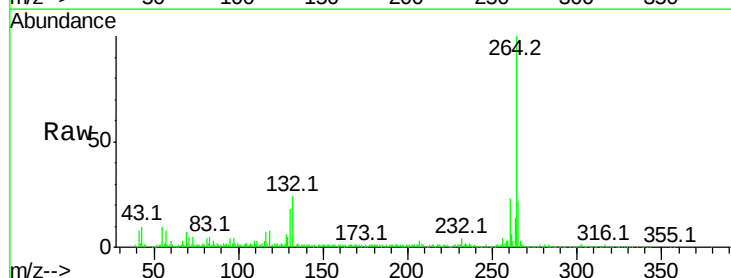
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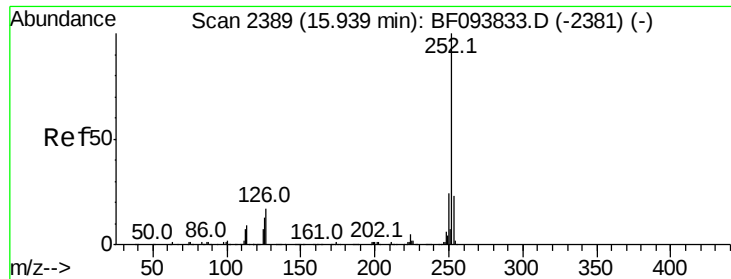
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 16.21 min Scan# 2435
Delta R.T. 0.02 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	22.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 13.87 ng m

RT: 15.80 min Scan# 2366

Delta R.T. 0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

Instrument :

BNA_F

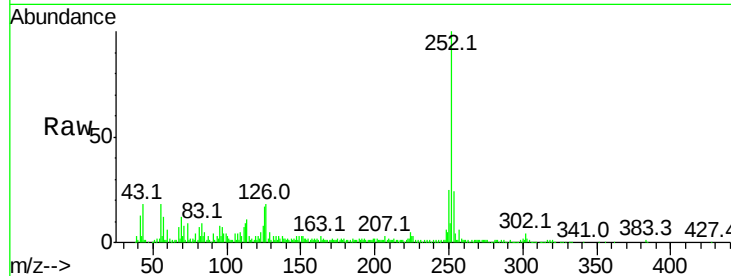
ClientSampleId :

E2-AA10-SSW

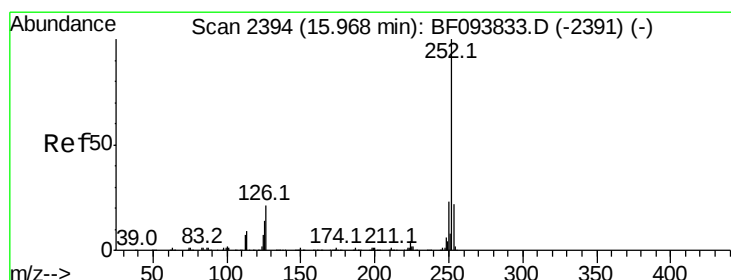
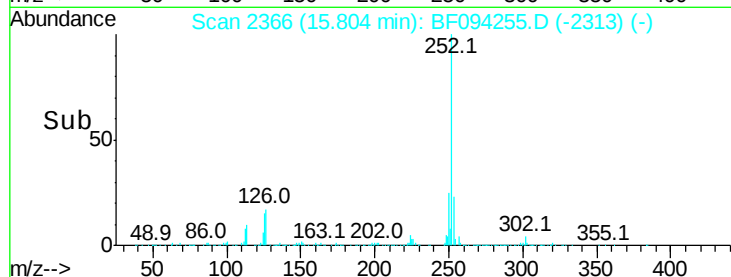
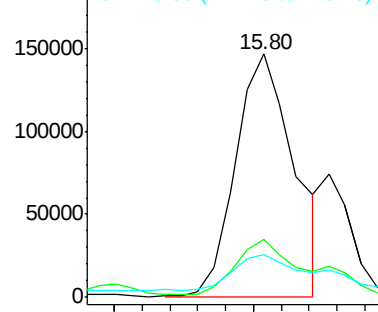
Tot Ion	Ratio	Resp	Lower	Upper
252	100	214892		
253	24.1	18.1	27.1	
125	17.3	9.8	14.8	

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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: 3.83 ng m

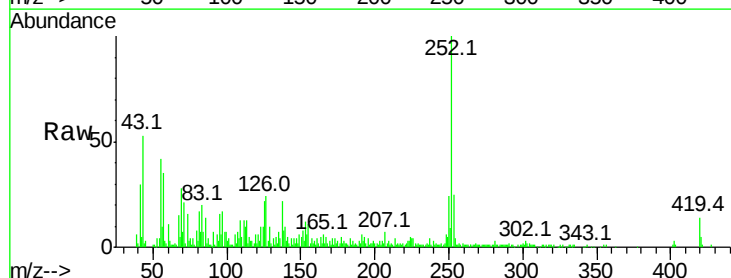
RT: 15.83 min Scan# 2370

Delta R.T. -0.00 min

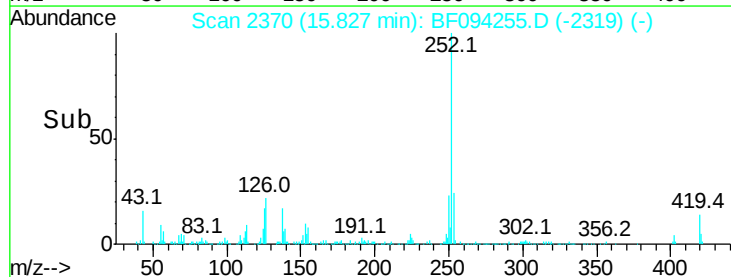
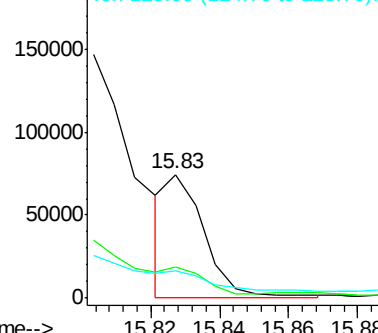
Lab File: BF094255.D

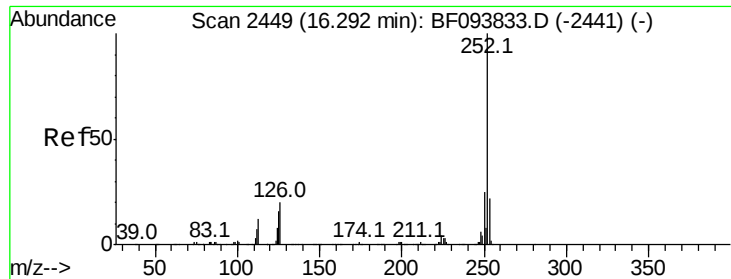
Acq: 7 Apr 2017 6:00

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	58004		
253	25.1	18.4	27.6	
125	21.8	13.1	19.7	



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





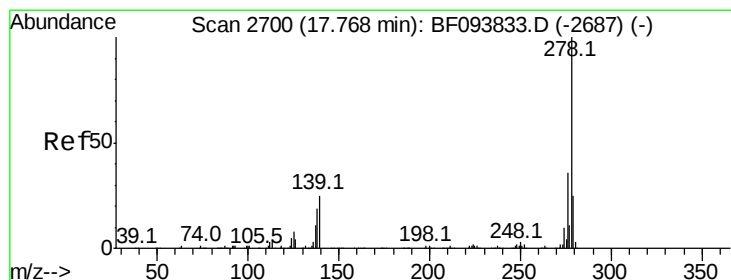
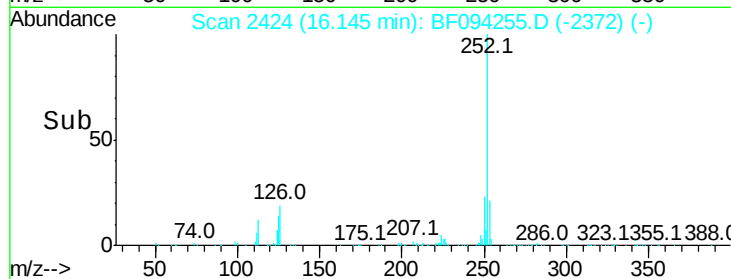
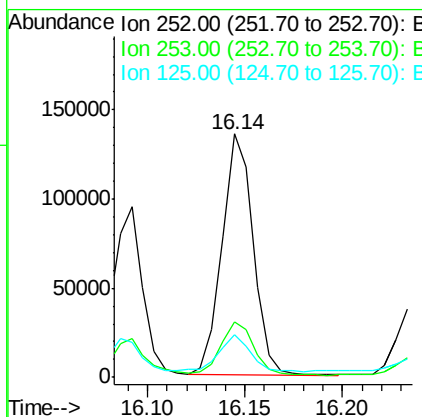
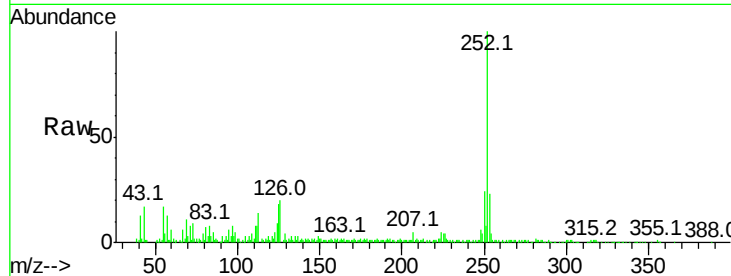
#89
Benzo(a)pyrene
Concen: 10.52 ng
RT: 16.14 min Scan# 2424
Delta R.T. 0.01 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	17.6	11.0	16.4

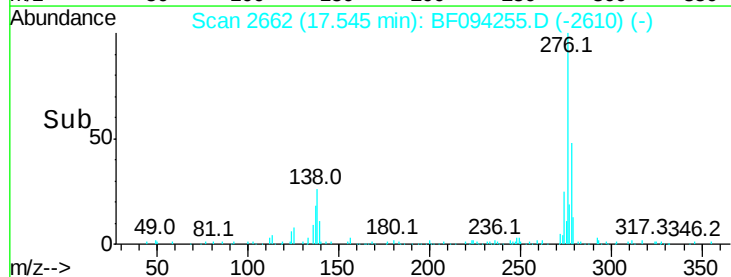
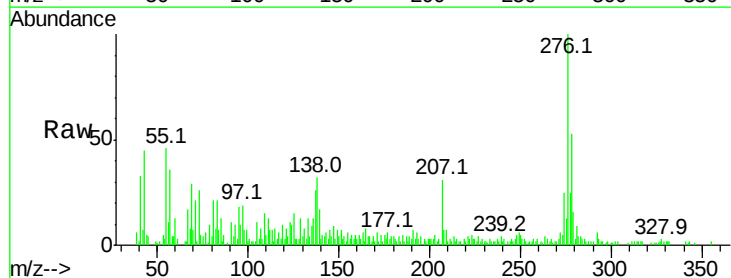
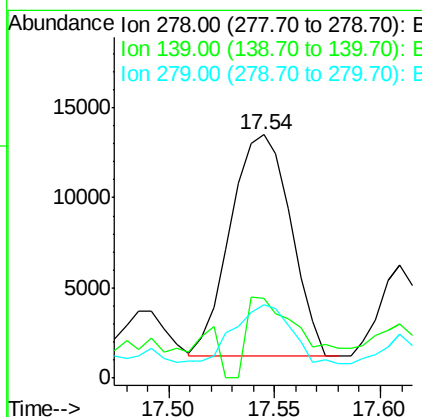
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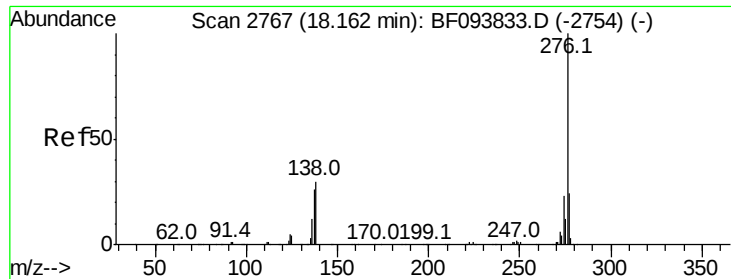
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 2.01 ng
RT: 17.54 min Scan# 2662
Delta R.T. 0.01 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.0	16.6	24.8
279	30.3	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 7.00 ng
 RT: 17.92 min Scan# 2726
 Delta R.T. 0.01 min
 Lab File: BF094255.D
 Acq: 7 Apr 2017 6:00

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-SSW

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.6	28.0
138	31.2	25.4	38.0

Manual Integrations
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