

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094256.D
 Acq On : 7 Apr 2017 6:27
 Operator : SJ/MA
 Sample : I2563-04
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-ESW

Manual Integrations
 APPROVED

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 4/7/2017 5:21:26 PM

Quant Time: Apr 07 06:57:00 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	167256	20.00	ng	0.00
21) Naphthalene-d8	7.36	136	659365	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	289565	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	447999	20.00	ng	0.00
75) Chrysene-d12	14.57	240	308270	20.00	ng	0.00
86) Perylene-d12	16.20	264	265157	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	912633	92.16	ng	0.00
7) Phenol-d6	5.46	99	1231267	100.51	ng	0.00
23) Nitrobenzene-d5	6.50	82	850490	73.61	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	190678	83.33	ng	0.00
44) 2-Fluorobiphenyl	8.68	172	1347776	70.99	ng	0.00
78) Terphenyl-d14	13.30	244	774798	56.34	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.47	94	80409	5.77	ng	90
31) Naphthalene	7.38	128	89094	2.81	ng	98
48) Acenaphthylene	9.32	152	79337	2.61	ng	98
49) Dimethylphthalate	9.17	163	260197	12.64	ng	99
70) Phenanthrene	11.35	178	83937	3.37	ng	99
74) Fluoranthene	12.81	202	89331	3.50	ng	99
77) Pyrene	13.09	202	225232	10.07	ng	98
80) Benzo(a)anthracene	14.56	228	136450m	7.59	ng	
82) Chrysene	14.60	228	147888	8.87	ng	# 96
85) Indeno(1,2,3-cd)pyrene	17.52	276	117771	8.15	ng	94
87) Benzo(b)fluoranthene	15.80	252	193765m	11.92	ng	
88) Benzo(k)fluoranthene	15.82	252	40330m	2.54	ng	
89) Benzo(a)pyrene	16.14	252	217213	14.51	ng	99
90) Dibenzo(a,h)anthracene	17.54	278	34929	2.76	ng	94
91) Benzo(a,h,i)perylene	17.92	276	185945	14.56	ng	98

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

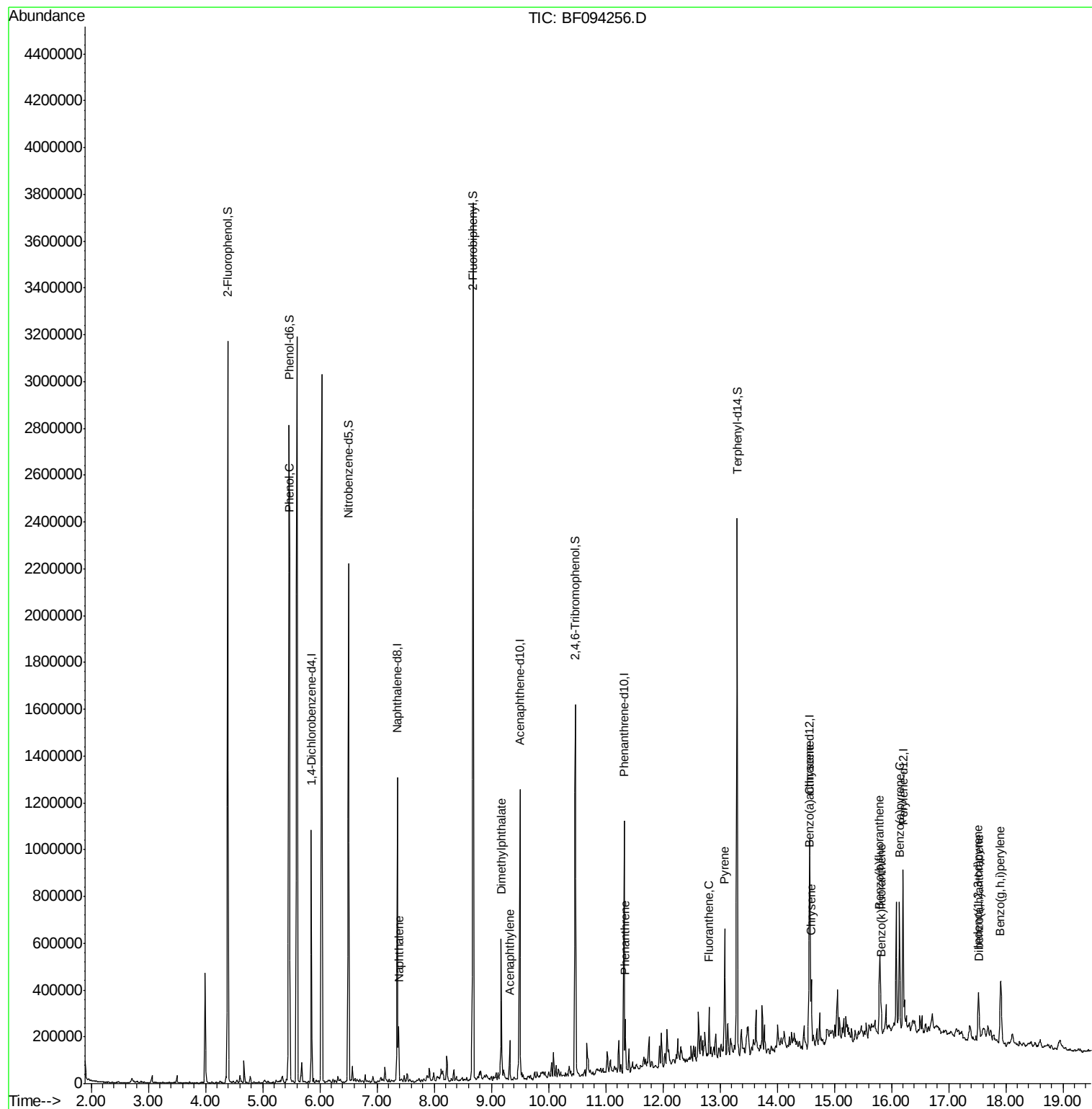
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
Data File : BF094256.D
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ALS Vial : 38 Sample Multiplier: 1

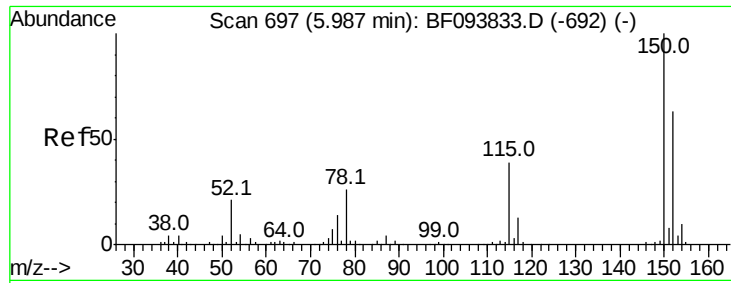
Instrument :
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ClientSampleId :
E2-AA10-ESW

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#1

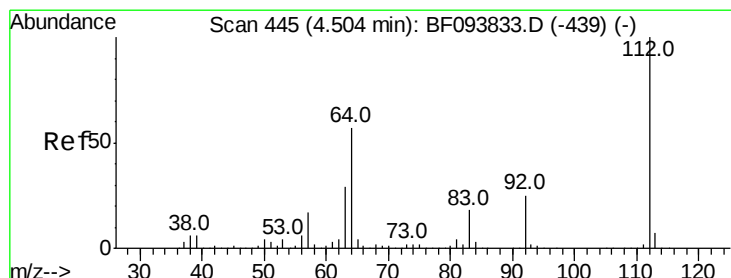
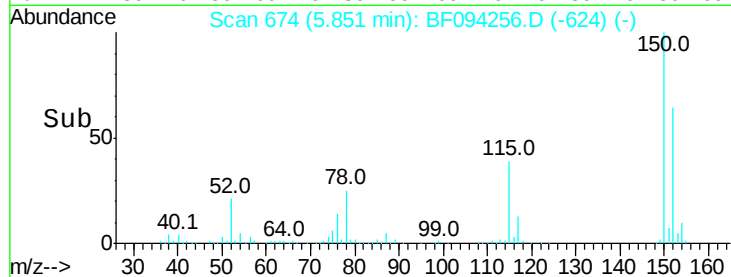
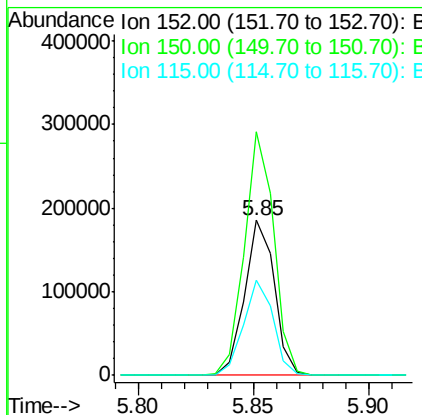
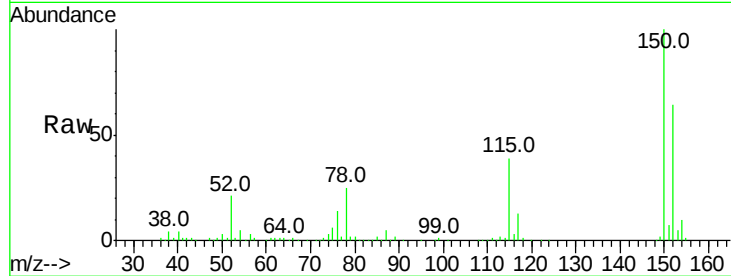
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Instrument :
BNA_F
ClientSampleId :
E2-AA10-ESW

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	61.6	52.2	78.2

Manual Integrations
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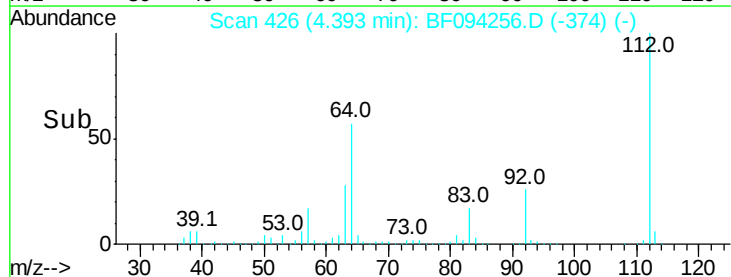
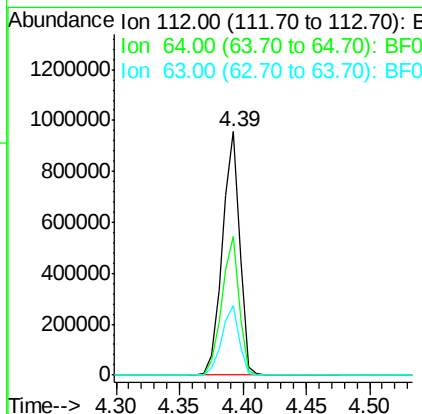
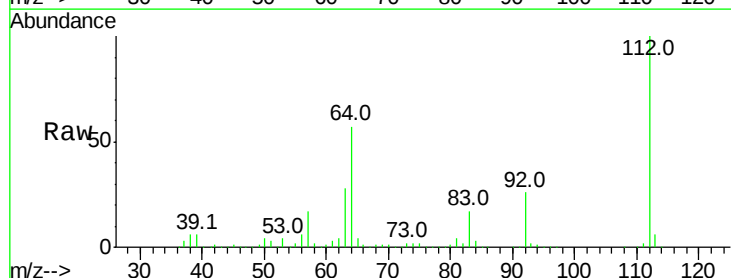
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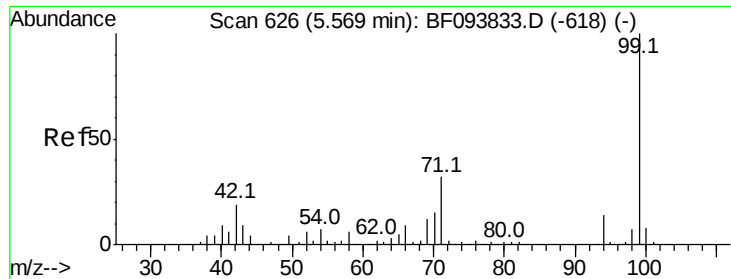


#5

2-Fluorophenol
Concen: 92.16 ng
RT: 4.39 min Scan# 426
Delta R.T. 0.01 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	46.0	69.0
63	28.5	23.4	35.0





#7

Phenol-d6

Concen: 100.51 ng

RT: 5.46 min Scan# 608

Delta R.T. -0.00 min

Lab File: BF094256.D

Acq: 7 Apr 2017 6:27

Instrument :

BNA_F

ClientSampled :

E2-AA10-ESW

Tot Ion: 99 Resp: 1231267

Ion Ratio Lower Upper

99 100

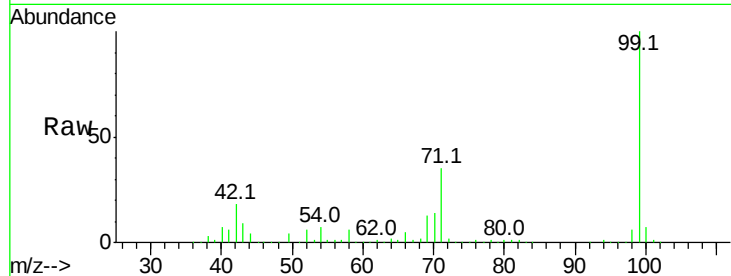
42 18.3 13.5 20.3

71 35.1 24.5 36.7

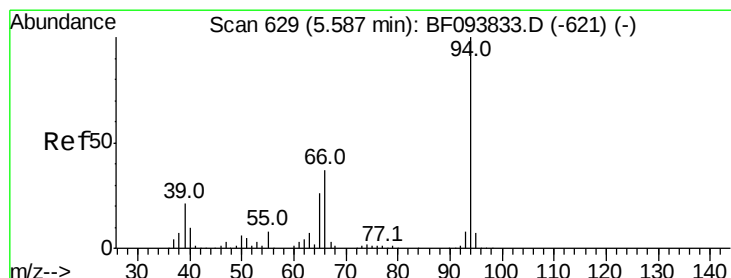
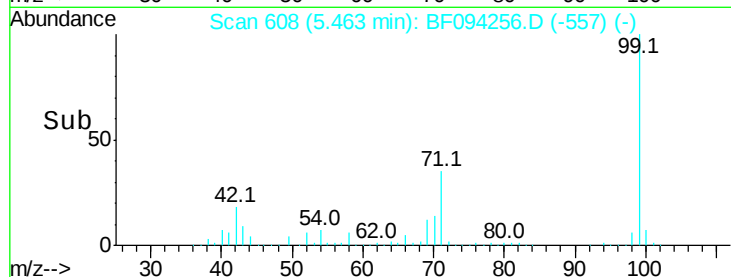
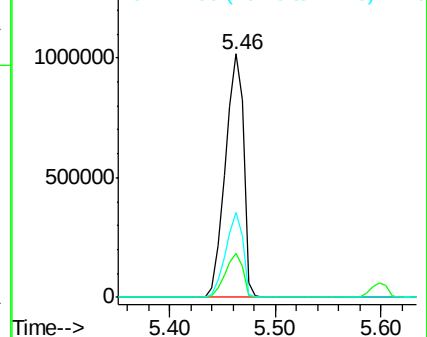
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.77 ng

RT: 5.47 min Scan# 610

Delta R.T. -0.01 min

Lab File: BF094256.D

Acq: 7 Apr 2017 6:27

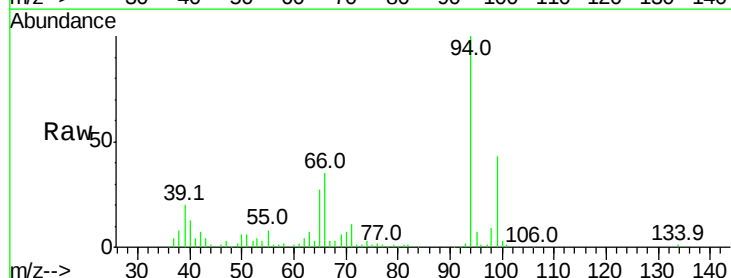
Tgt Ion: 94 Resp: 80409

Ion Ratio Lower Upper

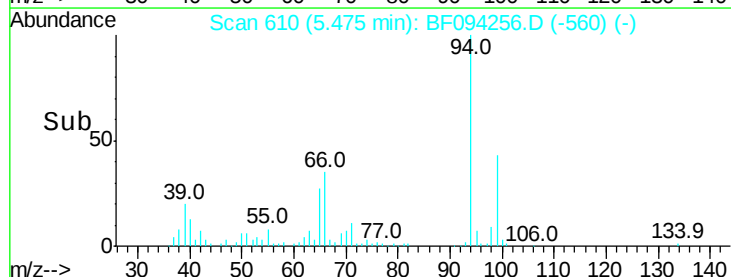
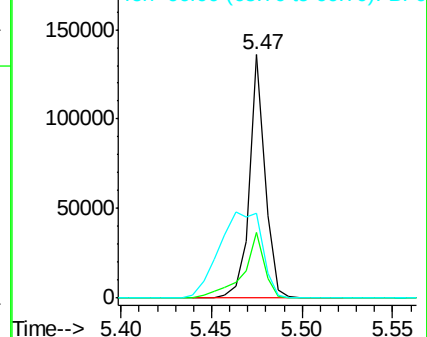
94 100

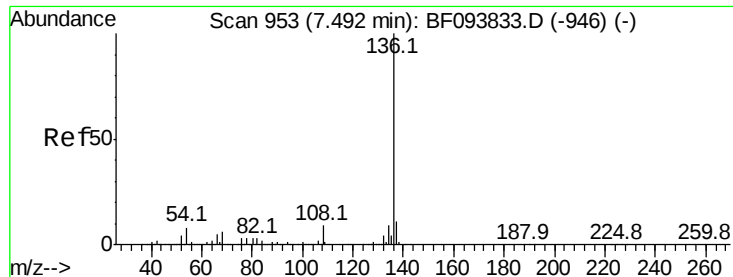
65 26.7 9.9 49.9

66 34.8 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





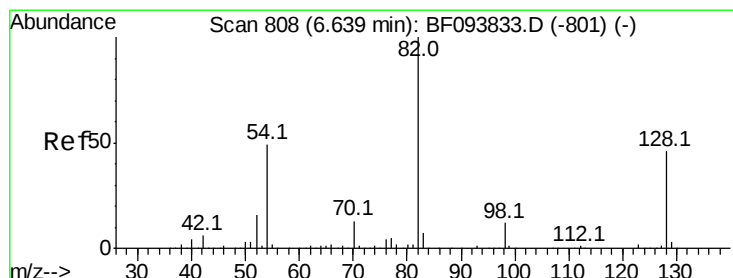
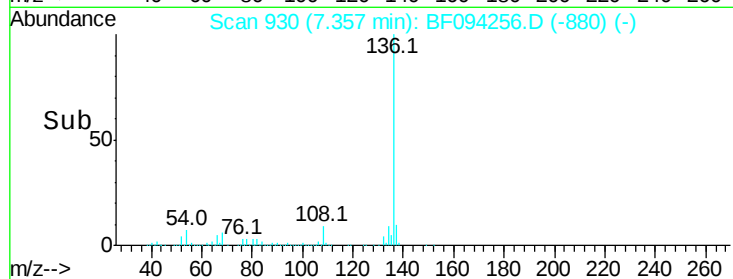
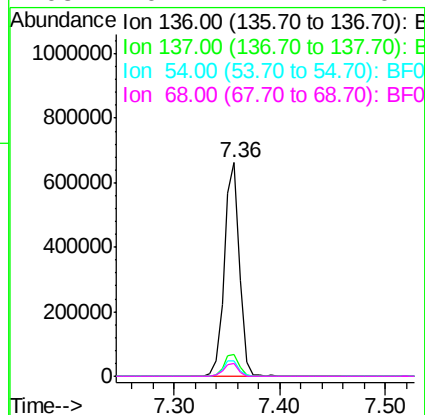
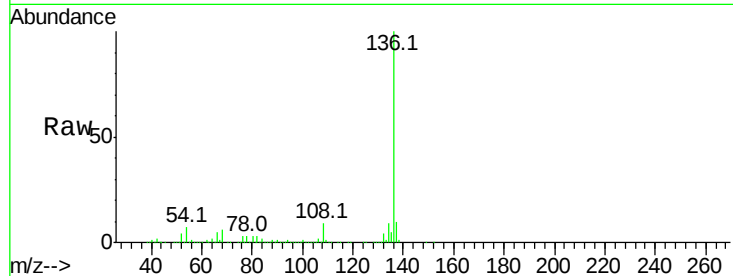
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.36 min Scan# 930
Delta R.T. -0.01 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Instrument :
BNA_F
ClientSampleId :
E2-AA10-ESW

Tot Ion	Ratio	Resp	Lower	Upper
136	100	659365		
137	10.4		8.5	12.7
54	7.3		4.9	7.3
68	6.1		4.1	6.1

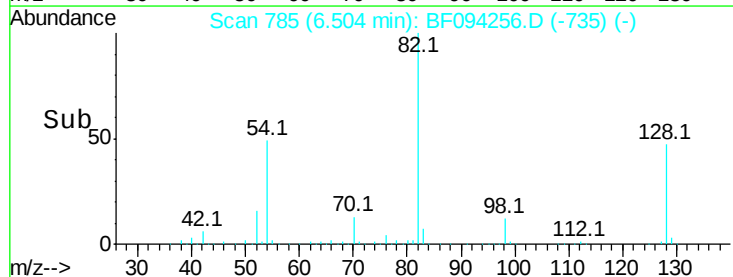
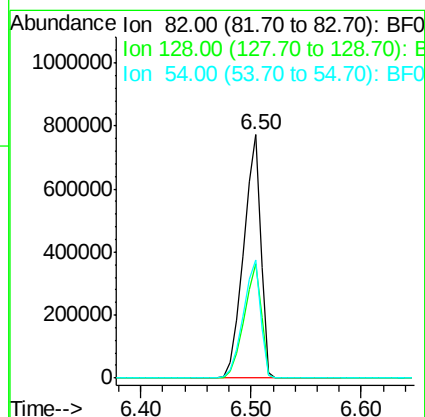
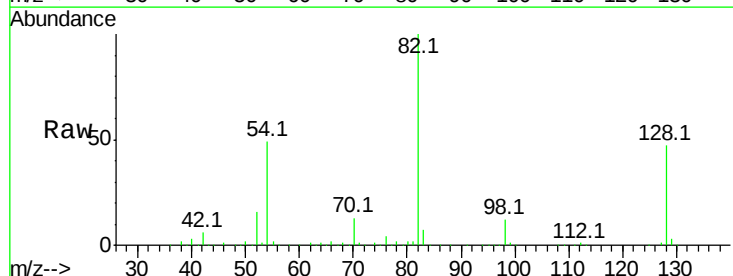
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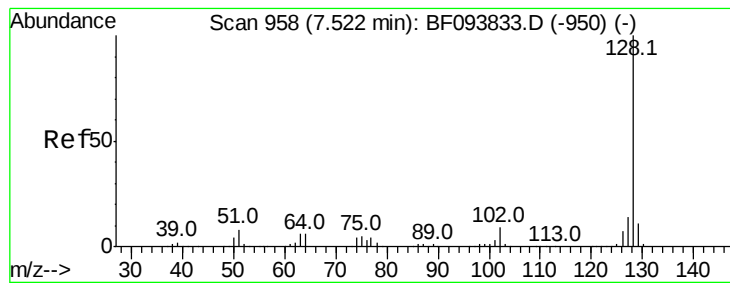
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#23
Nitrobenzene-d5
Concen: 73.61 ng
RT: 6.50 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	850490		
128	46.8		34.0	51.0
54	48.8		42.2	63.2





#31

Naphthalene

Concen: 2.81 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF094256.D

Acq: 7 Apr 2017 6:27

Instrument :

BNA_F

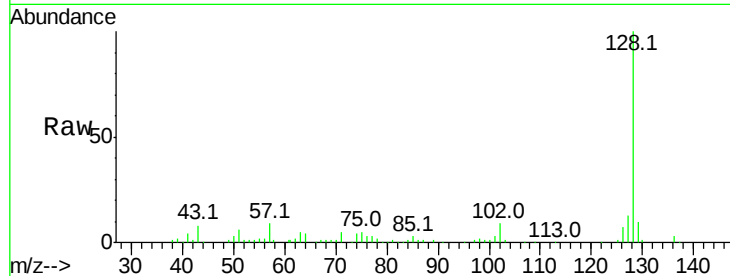
ClientSampled :

E2-AA10-ESW

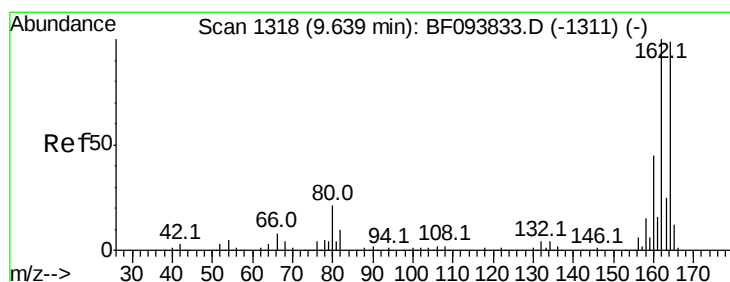
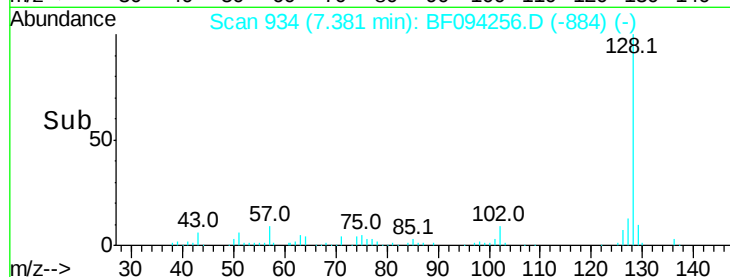
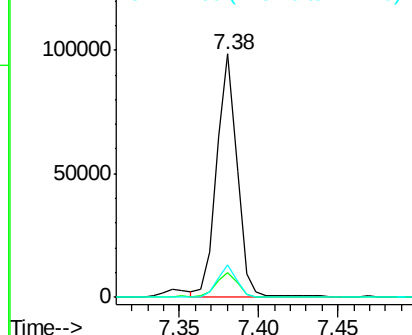
Tot Ion:	128	Resp:	89094
Ion Ratio	Lower	Upper	
128	100		
129	10.4	9.0	13.6
127	13.1	10.8	16.2

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

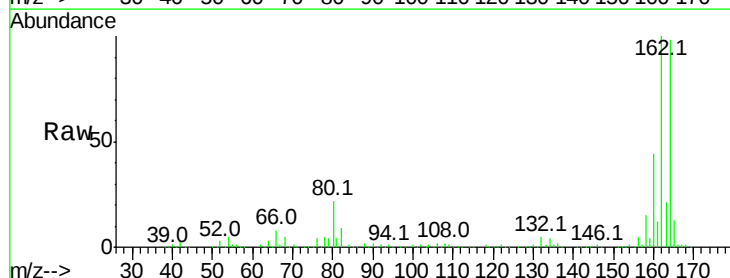
RT: 9.49 min Scan# 1293

Delta R.T. -0.01 min

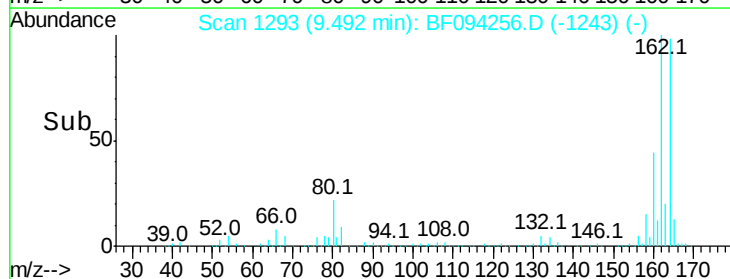
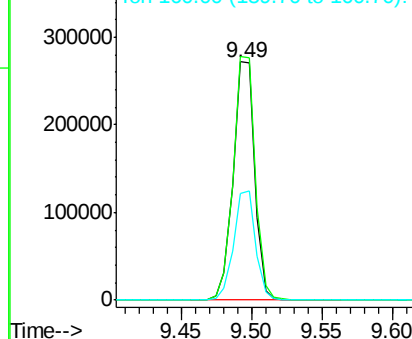
Lab File: BF094256.D

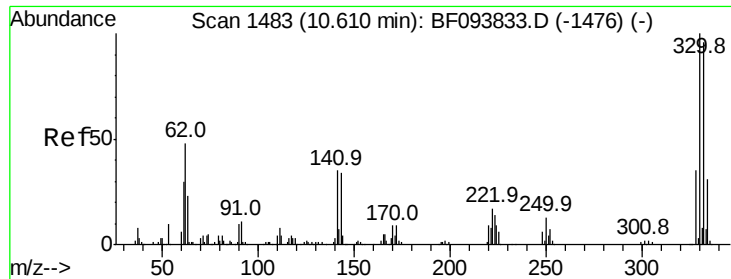
Acq: 7 Apr 2017 6:27

Tgt Ion:	164	Resp:	289565
Ion Ratio	Lower	Upper	
164	100		
162	102.2	82.6	123.8
160	44.9	36.2	54.2



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





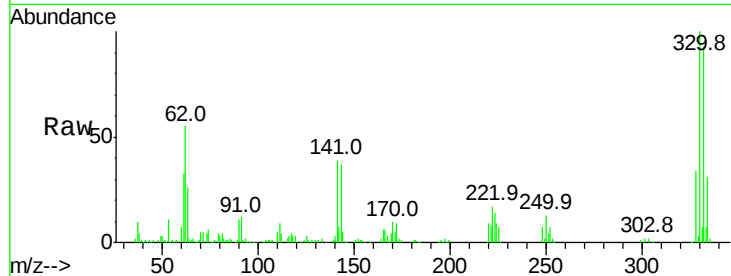
#41
 2,4,6-Tribromophenol
 Concen: 83.33 ng
 RT: 10.47 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF094256.D
 Acq: 7 Apr 2017 6:27

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-ESW

Tot Ion	Ratio	Resp	Lower	Upper
330	100	190678		
332	95.7	76.6	115.0	
141	40.2	31.4	47.2	

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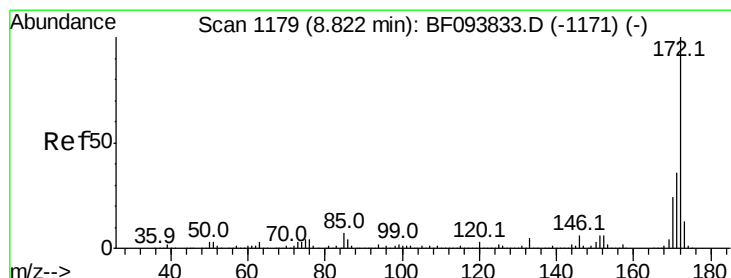
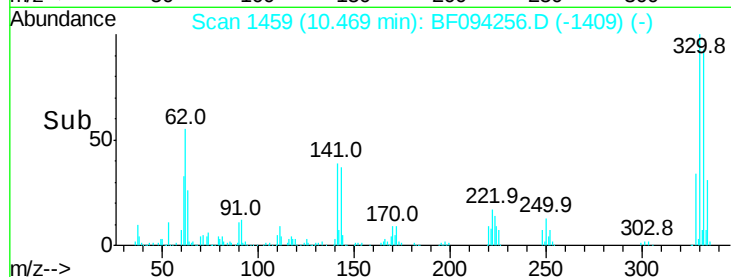
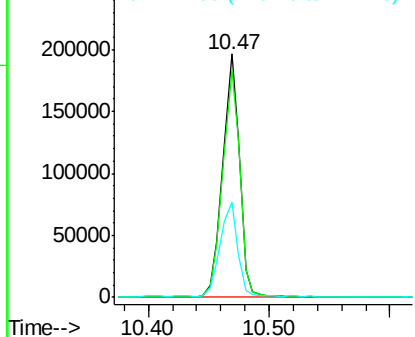


Abundance

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: 70.99 ng
 RT: 8.68 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF094256.D
 Acq: 7 Apr 2017 6:27

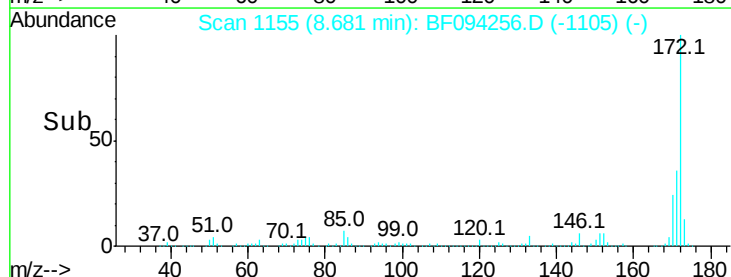
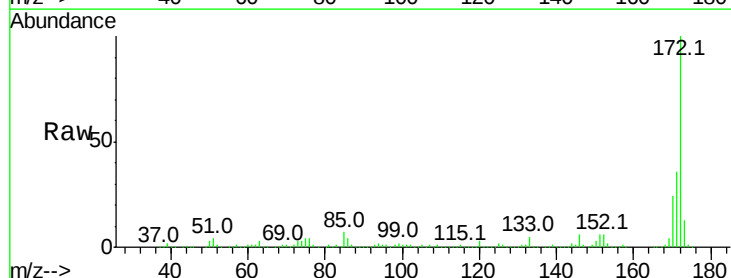
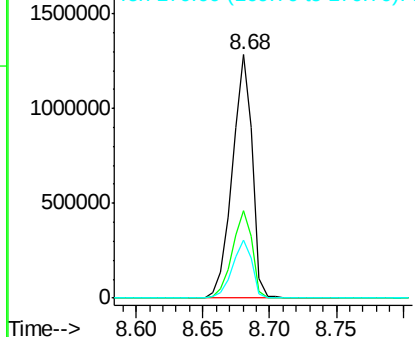
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1347776		
171	36.0	29.6	44.4	
170	23.8	19.8	29.8	

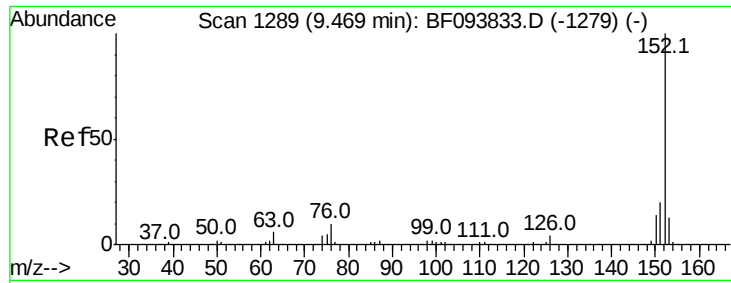
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 2.61 ng

RT: 9.32 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BF094256.D

Acq: 7 Apr 2017 6:27

Instrument :

BNA_F

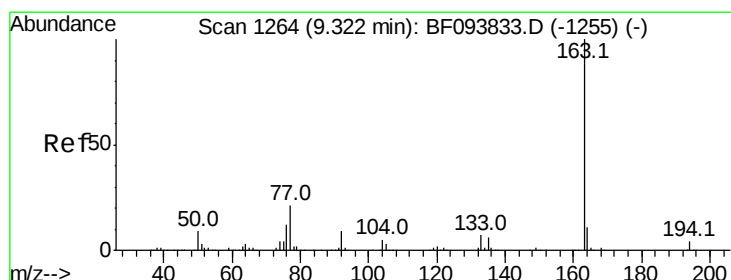
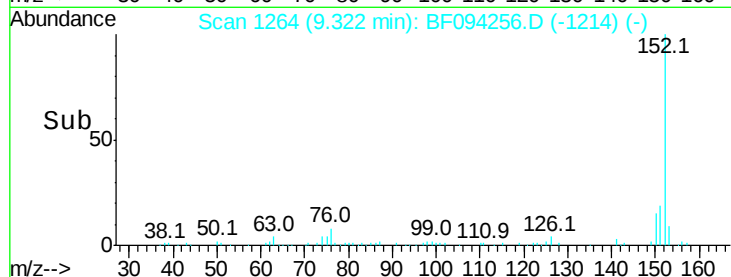
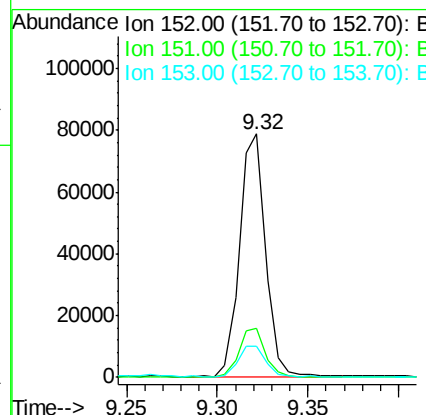
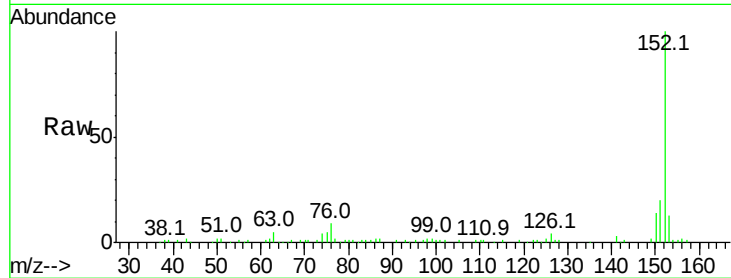
ClientSampleId :

E2-AA10-ESW

Tot Ion:	152	Resp:	79337
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.8	25.2
153	13.0	10.8	16.2

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#49

Dimethylphthalate

Concen: 12.64 ng

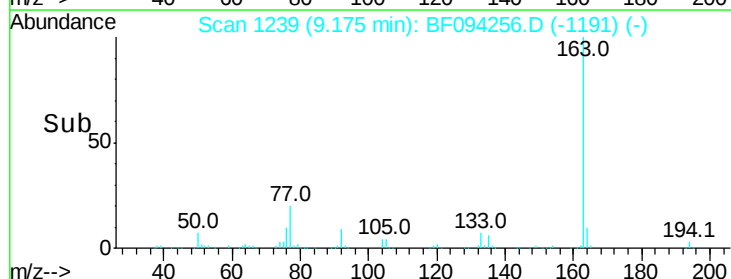
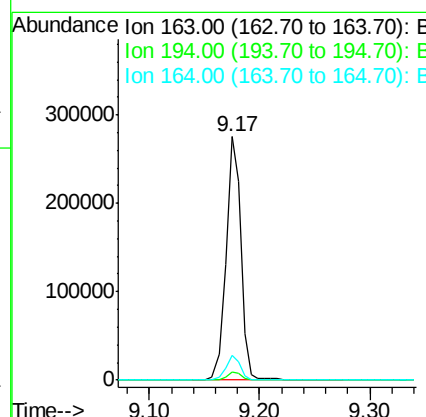
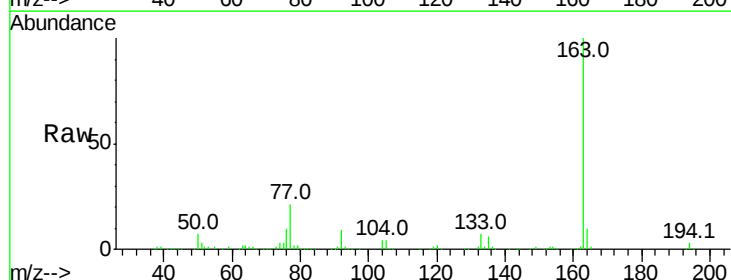
RT: 9.17 min Scan# 1239

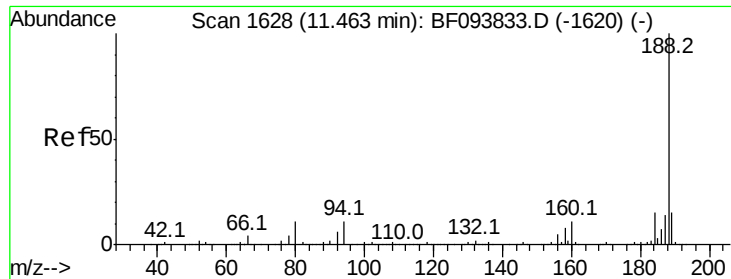
Delta R.T. -0.02 min

Lab File: BF094256.D

Acq: 7 Apr 2017 6:27

Tgt Ion:	163	Resp:	260197
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.6	4.0
164	10.3	8.4	12.6





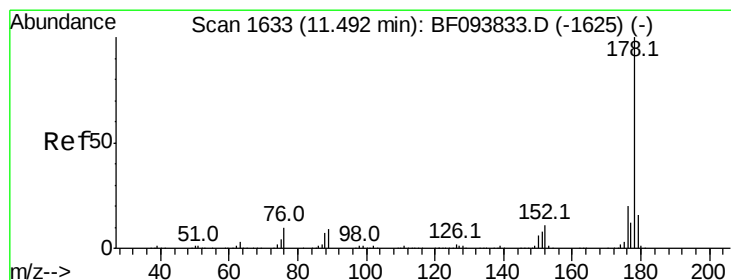
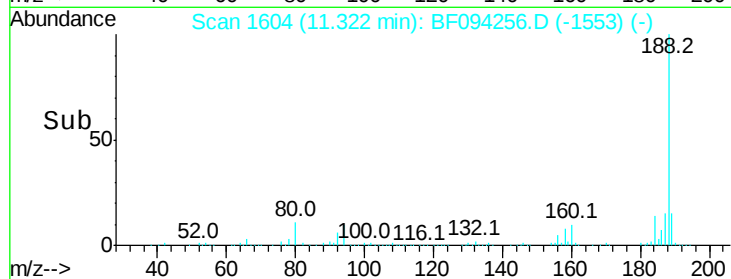
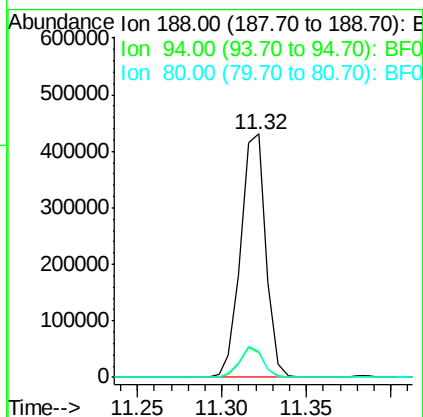
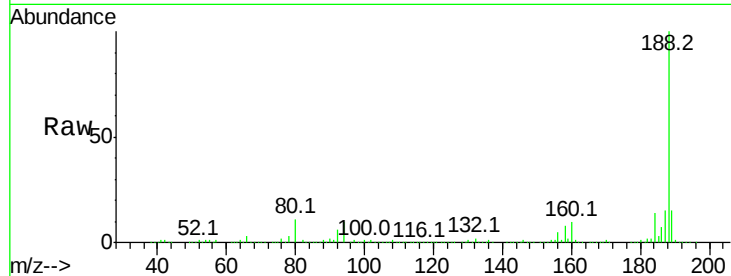
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Instrument :
BNA_F
ClientSampleId :
E2-AA10-ESW

Tot Ion	Ratio	Resp	Lower	Upper
188	100	447999		
94	10.0		9.4	14.2
80	10.8		10.2	15.2

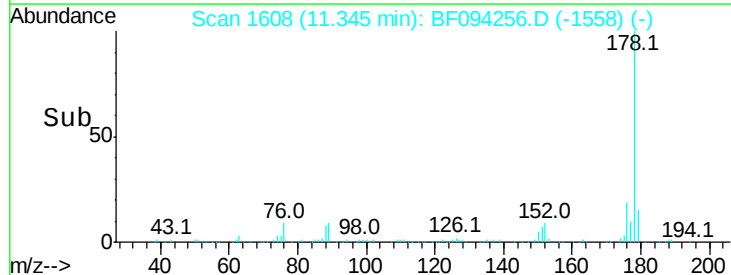
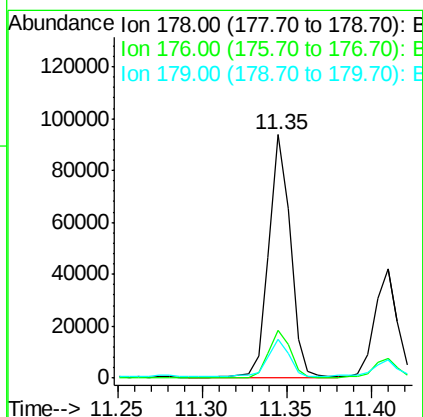
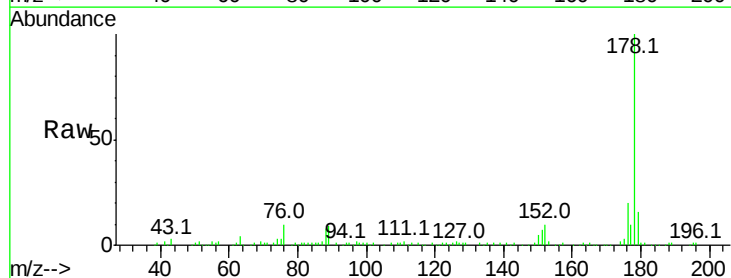
Manual Integrations
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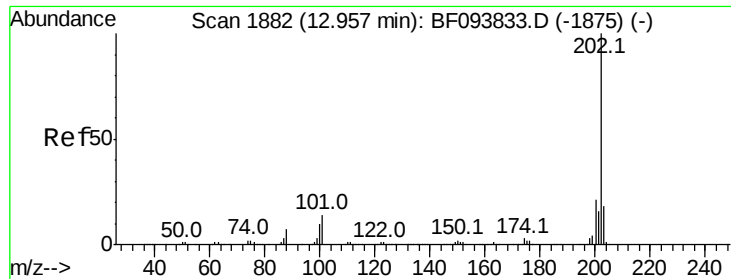
mohammad
4/7/2017 5:21:26 PM



#70
Phenanthrene
Concen: 3.37 ng
RT: 11.35 min Scan# 1608
Delta R.T. -0.01 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	83937		
176	19.5		16.2	24.4
179	16.1		12.6	19.0





#74

Fluoranthene

Concen: 3.50 ng

RT: 12.81 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BF094256.D

Acq: 7 Apr 2017 6:27

Instrument :

BNA_F

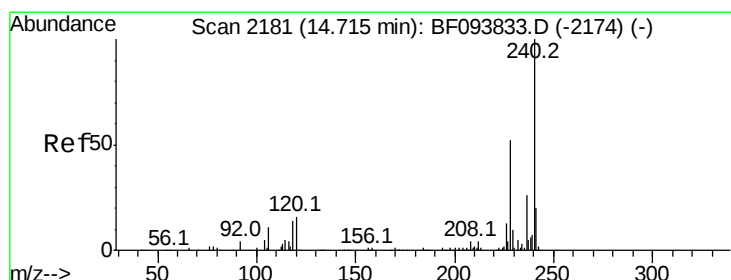
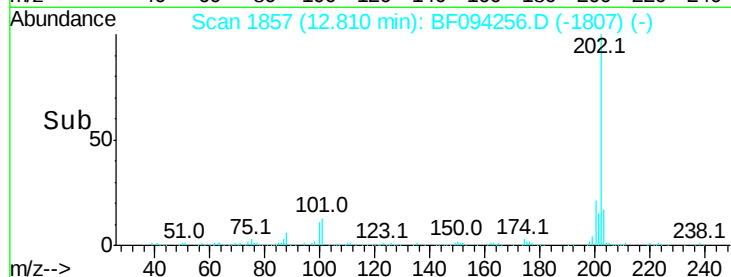
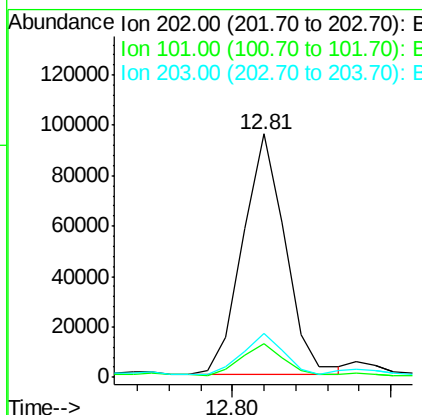
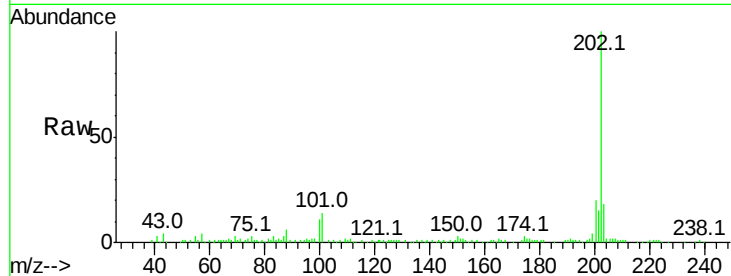
ClientSampleId :

E2-AA10-ESW

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.9	0.0	33.2
203	17.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

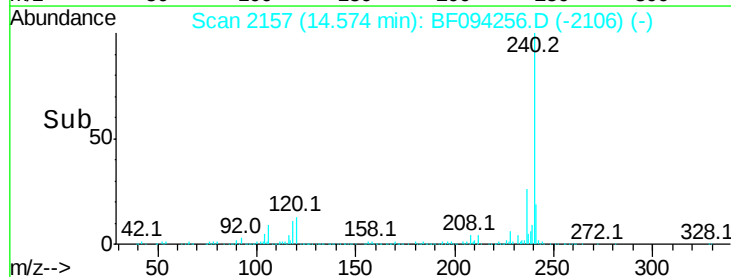
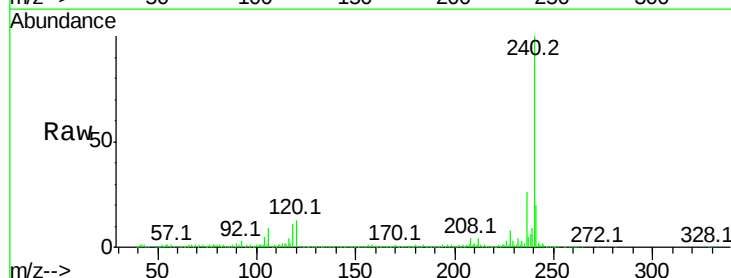
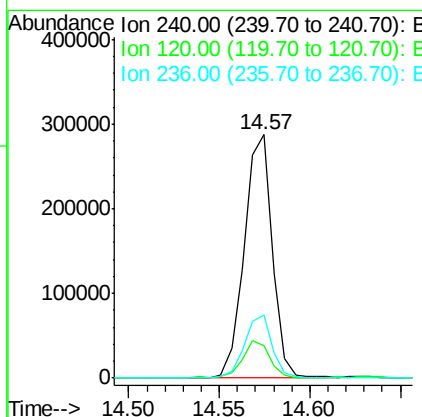
RT: 14.57 min Scan# 2157

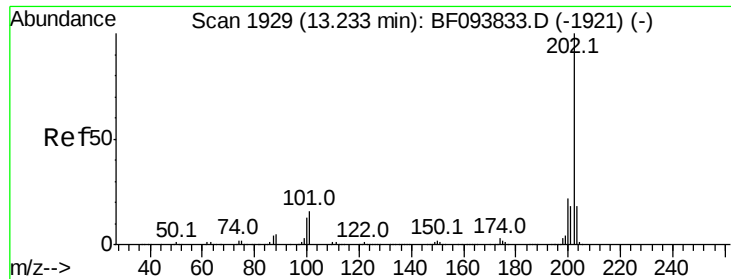
Delta R.T. -0.00 min

Lab File: BF094256.D

Acq: 7 Apr 2017 6:27

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.3	5.8	8.8#
236	25.8	20.5	30.7





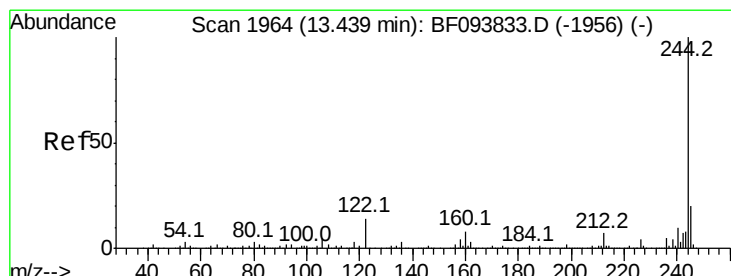
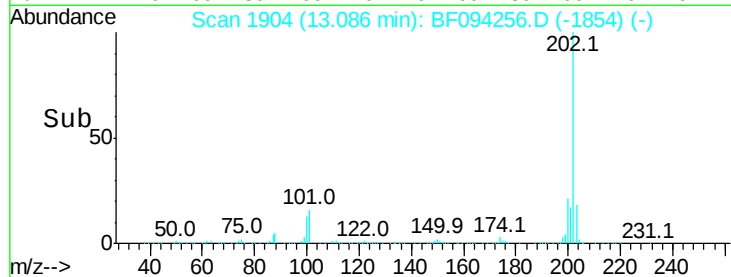
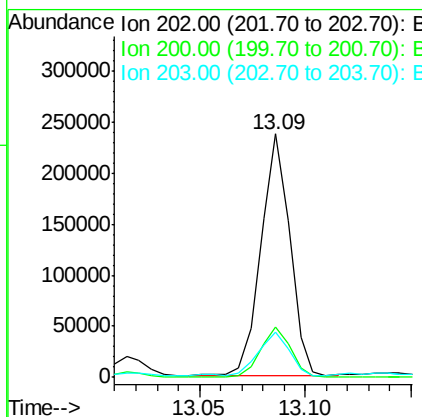
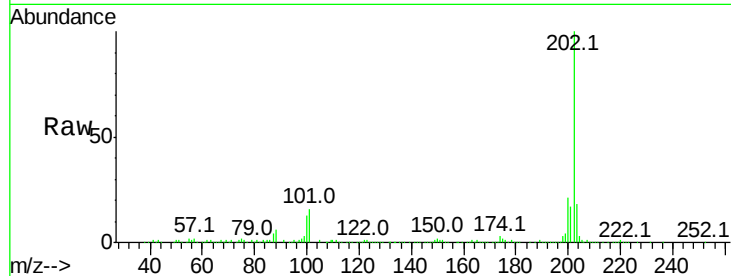
#77
Pvrene
Concen: 10.07 ng
RT: 13.09 min Scan# 1904
Delta R.T. -0.01 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Instrument :
BNA_F
ClientSampleId :
E2-AA10-ESW

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	17.6	26.4
203	18.4	14.4	21.6

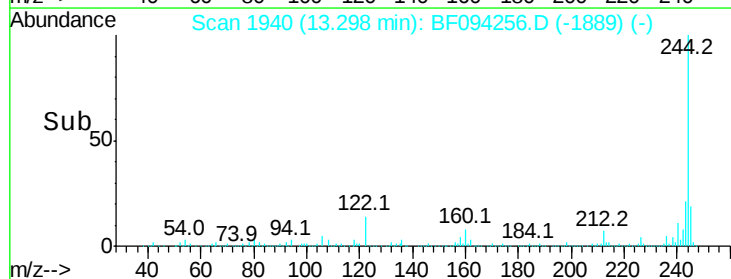
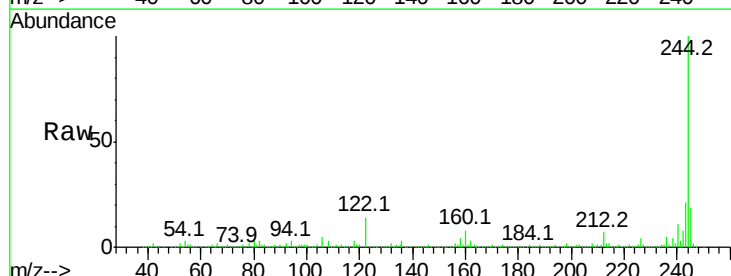
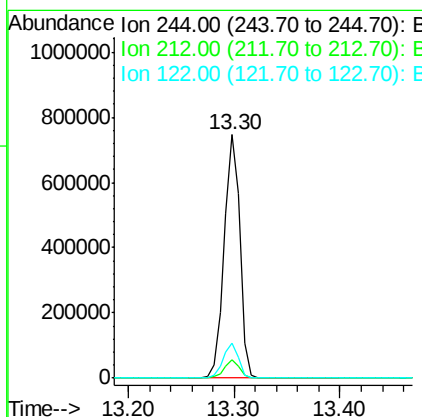
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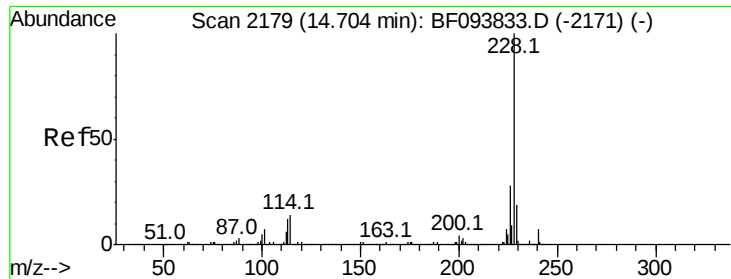
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#78
Terphenyl-d14
Concen: 56.34 ng
RT: 13.30 min Scan# 1940
Delta R.T. -0.00 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	6.0	9.0
122	14.3	10.3	15.5





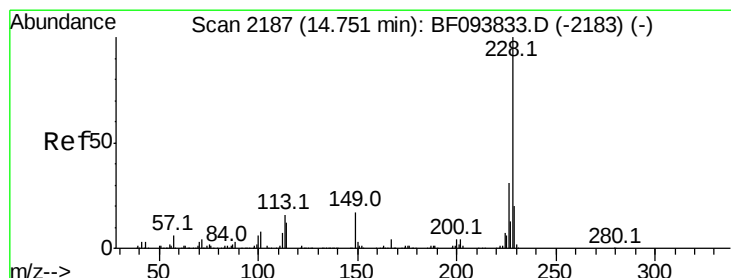
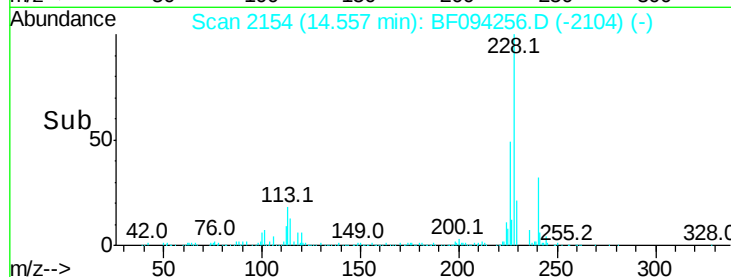
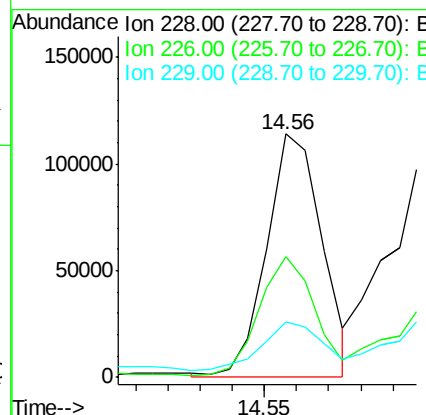
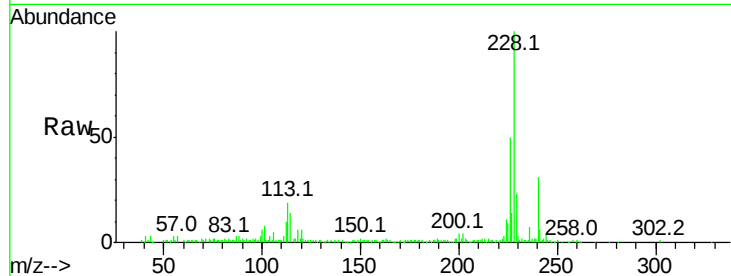
#80
Benzo(a)anthracene
Concen: 7.59 ng/mL
RT: 14.56 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Instrument :
BNA_F
ClientSampleId :
E2-AA10-ESW

Tot Ion	Ratio	Lower	Upper
228	100		
226	49.8	22.6	33.8#
229	23.0	16.3	24.5

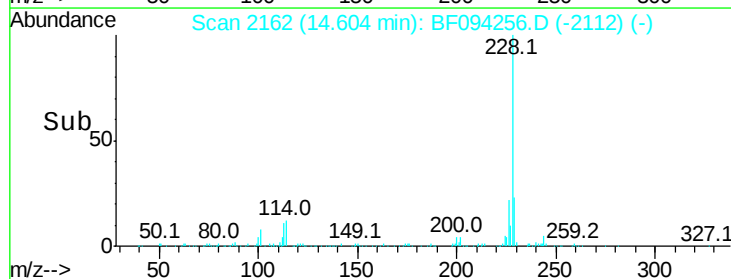
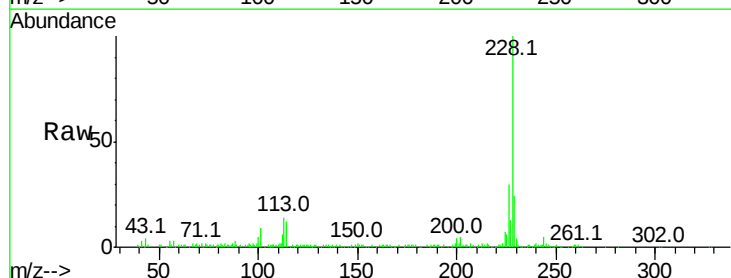
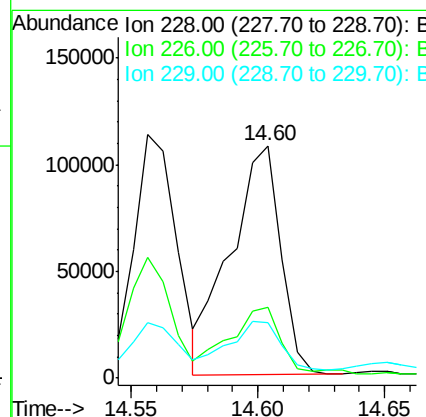
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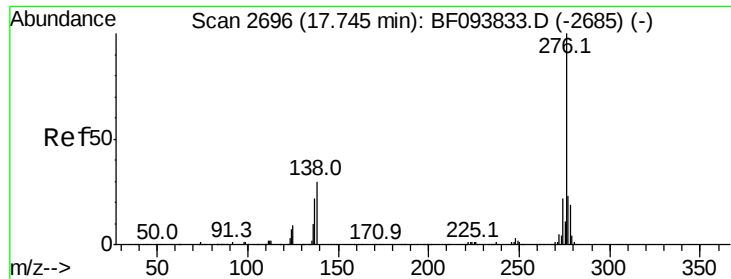
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#82
Chrysene
Concen: 8.87 ng/mL
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	23.7	15.8	23.6#





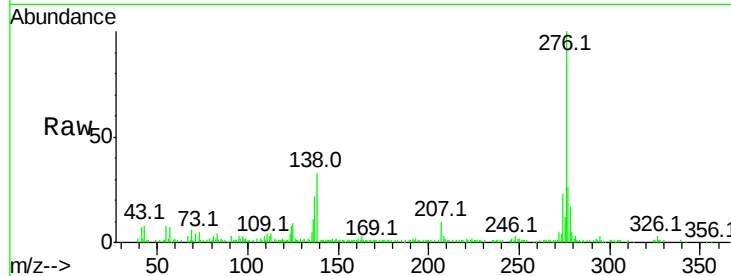
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.15 ng
RT: 17.52 min Scan# 2658
Delta R.T. -0.00 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Instrument :
BNA_F
ClientSampleId :
E2-AA10-ESW

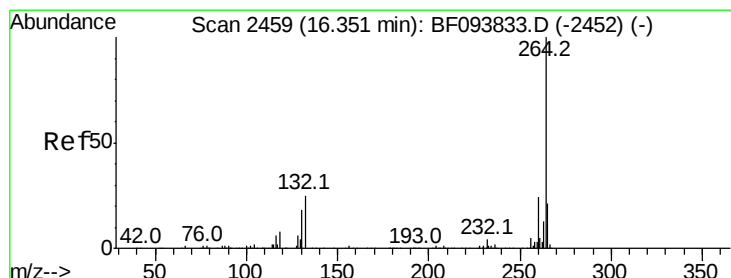
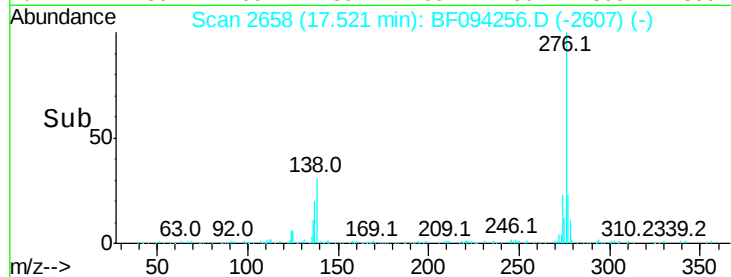
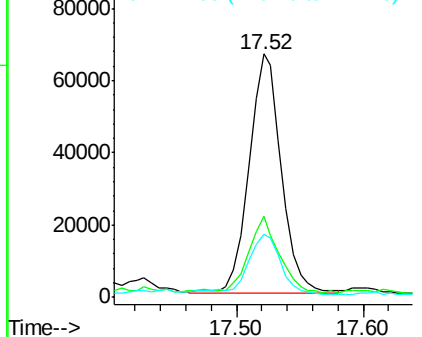
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.1	27.8	41.6
277	26.9	20.2	30.4

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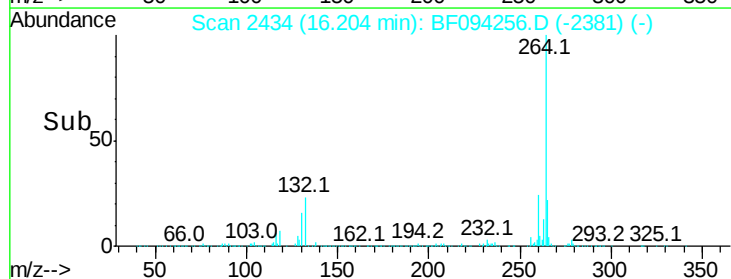
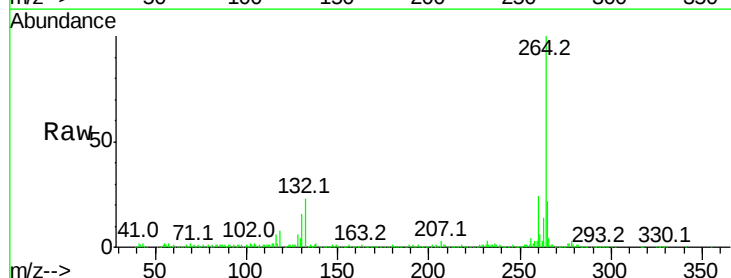
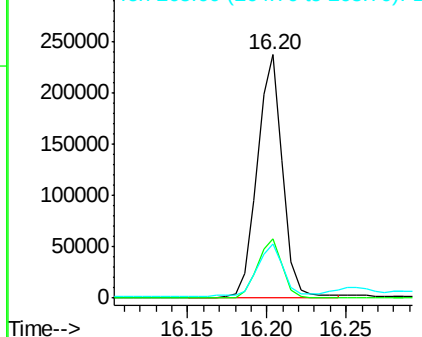
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

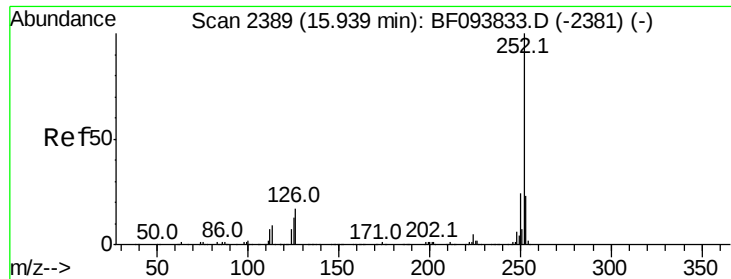


#86
Perylene-d12
Concen: 20.00 ng
RT: 16.20 min Scan# 2434
Delta R.T. 0.01 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.3	17.2	25.8

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





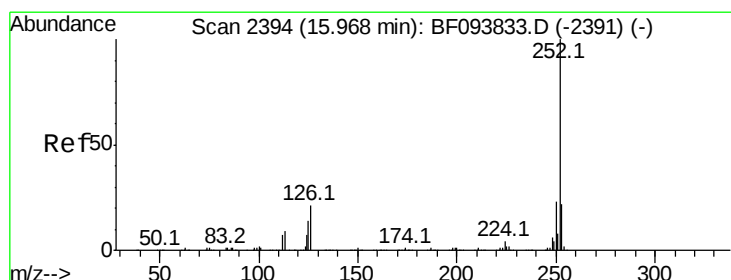
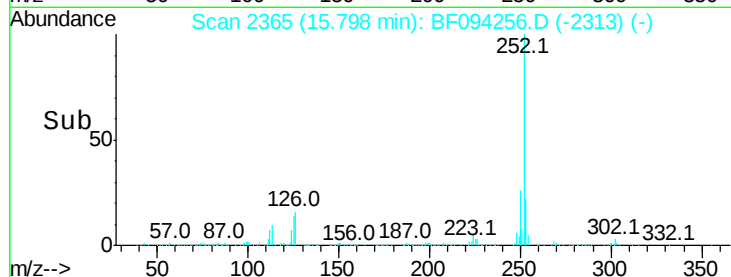
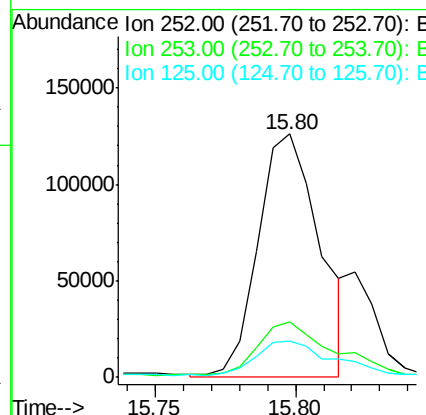
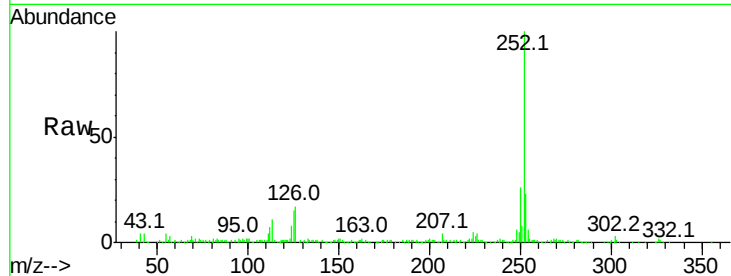
#87
Benzo(b)fluoranthene
Concen: 11.92 ng m
RT: 15.80 min Scan# 2365
Delta R.T. 0.01 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Instrument :
BNA_F
ClientSampleId :
E2-AA10-ESW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	14.8	9.8	14.8

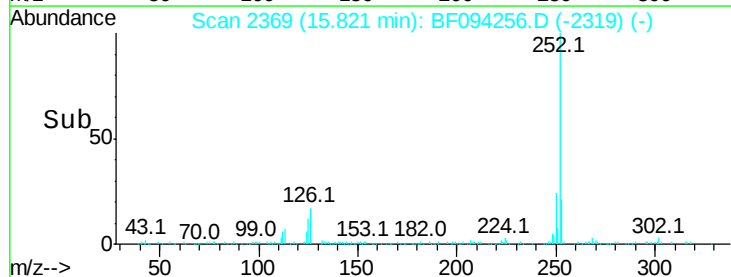
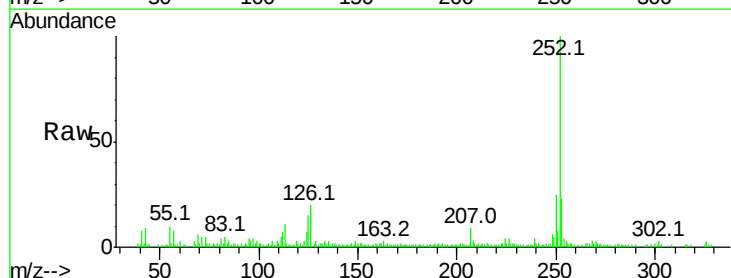
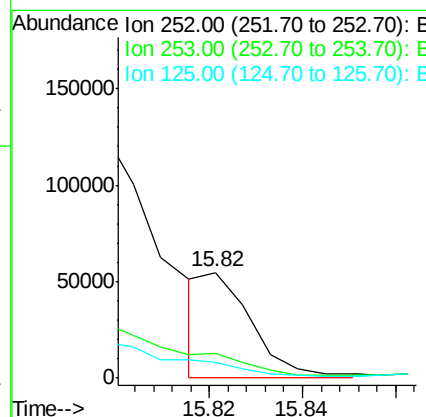
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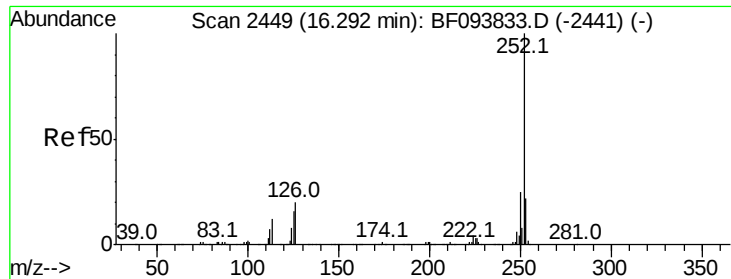
mohammad
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#88
Benzo(k)fluoranthene
Concen: 2.54 ng m
RT: 15.82 min Scan# 2369
Delta R.T. -0.01 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	14.8	13.1	19.7





#89

Benzo(a)pyrene

Concen: 14.51 ng

RT: 16.14 min Scan# 2424

Delta R.T. 0.01 min

Lab File: BF094256.D

Acq: 7 Apr 2017 6:27

Instrument :

BNA_F

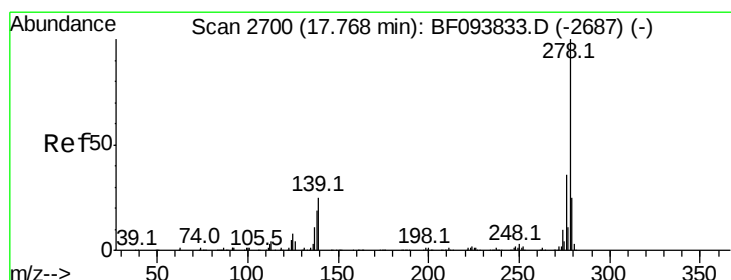
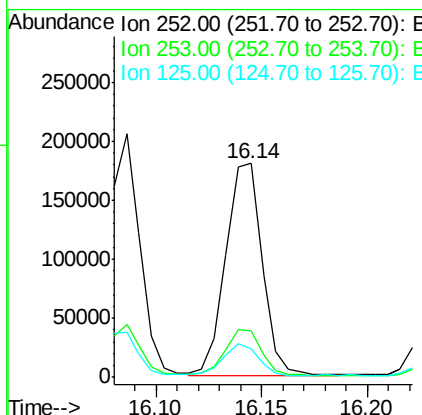
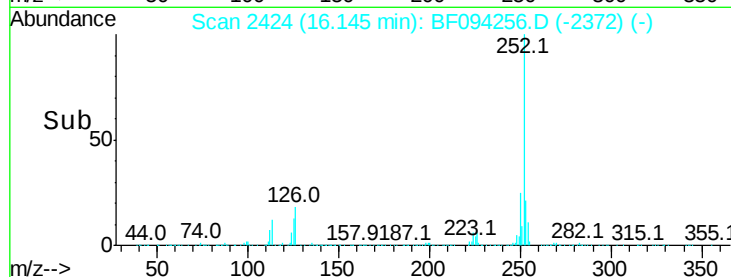
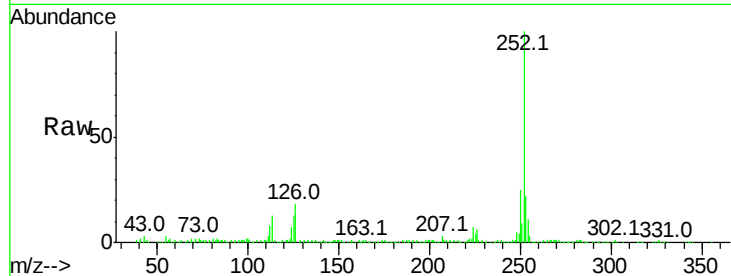
ClientSampleId :

E2-AA10-ESW

Tot Ion:	252	Resp:	217213
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.5	26.3
125	13.2	11.0	16.4

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#90

Dibenzo(a,h)anthracene

Concen: 2.76 ng

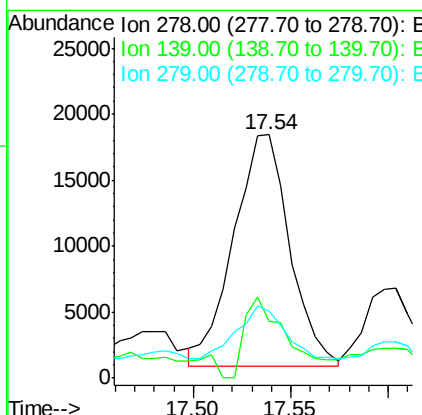
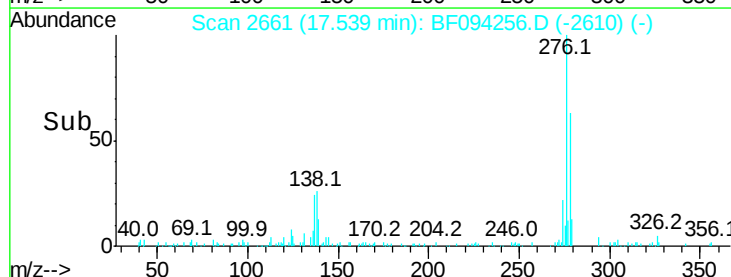
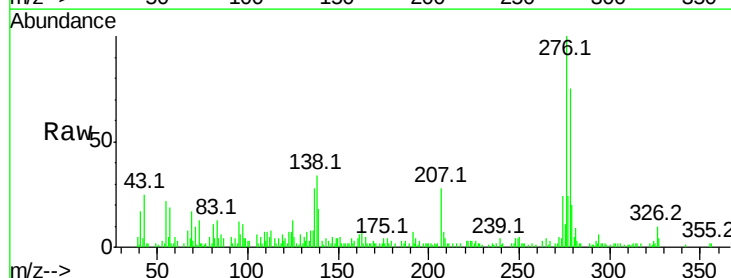
RT: 17.54 min Scan# 2661

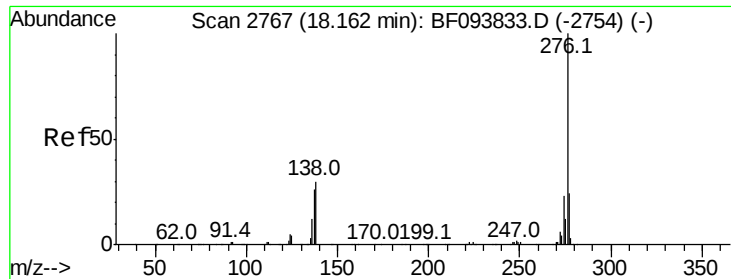
Delta R.T. -0.00 min

Lab File: BF094256.D

Acq: 7 Apr 2017 6:27

Tgt Ion:	278	Resp:	34929
Ion Ratio	Lower	Upper	
278	100		
139	23.4	16.6	24.8
279	27.4	19.3	28.9





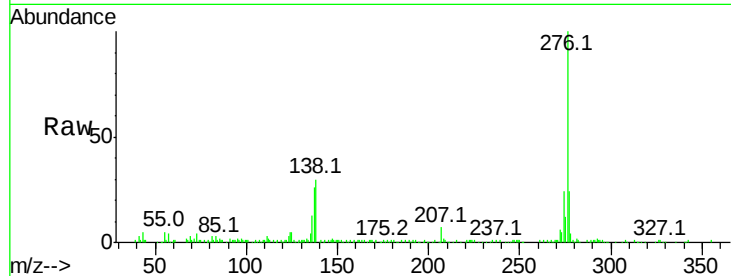
#91
 Benzo(a,h,i)perylene
 Concen: 14.56 ng
 RT: 17.92 min Scan# 2725
 Delta R.T. 0.01 min
 Lab File: BF094256.D
 Acq: 7 Apr 2017 6:27

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-ESW

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.1	18.6	28.0
138	30.0	25.4	38.0

Manual Integrations
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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

