

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094254.D
 Acq On : 7 Apr 2017 5:32
 Operator : SJ/MA
 Sample : I2563-02
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-NSW

Manual Integrations
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Quant Time: Apr 07 06:30:25 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	175799	20.00	ng	0.00
21) Naphthalene-d8	7.36	136	690657	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	301909	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	468583	20.00	ng	0.00
75) Chrysene-d12	14.58	240	293737	20.00	ng	0.00
86) Perylene-d12	16.20	264	265829	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	1192105	114.53	ng	0.00
7) Phenol-d6	5.46	99	1480664	114.99	ng	0.00
23) Nitrobenzene-d5	6.50	82	905690	74.84	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	264548	110.89	ng	0.00
44) 2-Fluorobiphenyl	8.68	172	1148439	58.02	ng	0.00
78) Terphenyl-d14	13.30	244	706081	53.88	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.47	94	114932	7.84	ng	86
31) Naphthalene	7.38	128	198168	5.97	ng	98
37) 2-Methylnaphthalene	8.22	142	50386	2.28	ng	98
48) Acenaphthylene	9.32	152	184761	5.83	ng	98
49) Dimethylphthalate	9.17	163	228407	10.64	ng	99
51) Acenaphthene	9.53	154	92156	4.99	ng	97
54) Dibenzofuran	9.75	168	129843	5.16	ng	99
57) Fluorene	10.17	166	157116	7.53	ng	100
70) Phenanthrene	11.36	178	1647354	63.20	ng	100
71) Anthracene	11.41	178	402721	15.01	ng	99
72) Carbazole	11.61	167	181394	6.59	ng	97
74) Fluoranthene	12.83	202	2072759	77.66	ng	99
77) Pvrene	13.10	202	1949325	91.44	ng	100
80) Benzo(a)anthracene	14.57	228	822279	48.01	ng	99
82) Chrysene	14.61	228	778555	48.98	ng	96
85) Indeno(1,2,3-cd)pyrene	17.53	276	400757	29.11	ng	94
87) Benzo(b)fluoranthene	15.81	252	961905m	59.03	ng	
88) Benzo(k)fluoranthene	15.83	252	330166m	20.71	ng	
89) Benzo(a)pvrene	16.15	252	709790	47.30	ng	96
90) Dibenzo(a,h)anthracene	17.54	278	91319	7.19	ng	# 90
91) Benzo(g,h,i)perylene	17.92	276	360584	28.16	ng	97

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

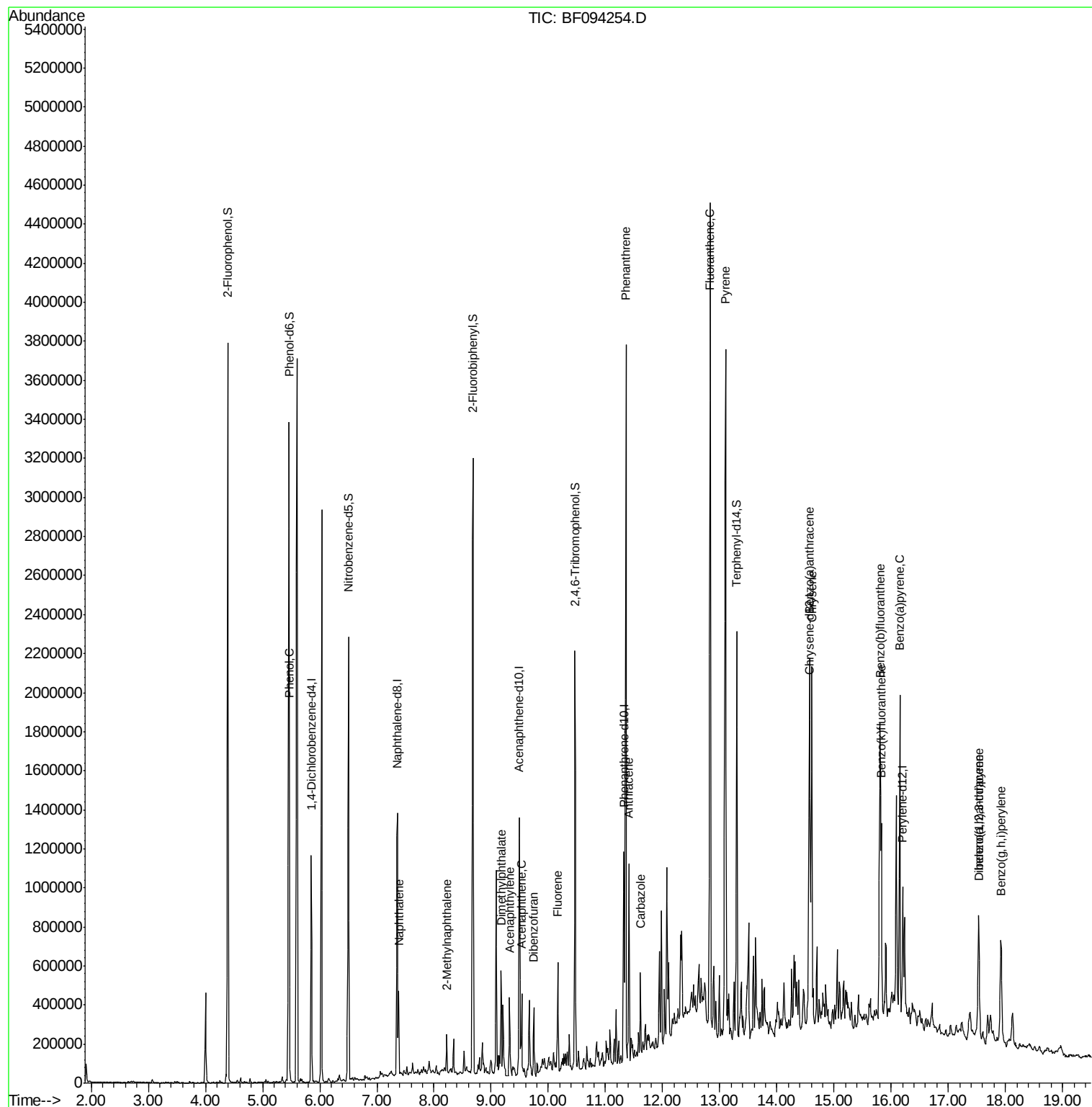
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
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Operator : SJ/MA
Sample : I2563-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

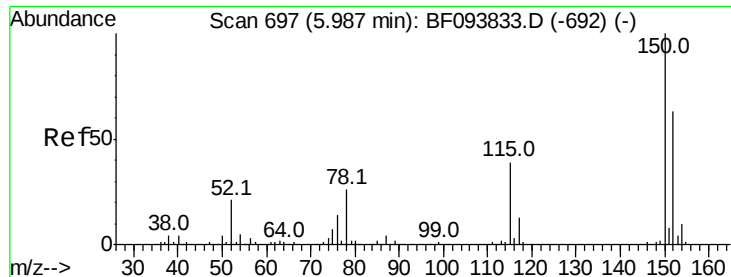
Instrument :
BNA_F
ClientSampleId :
E2-AA10-NSW

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Quant Time: Apr 07 06:30:25 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.85 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF094254.D

Acq: 7 Apr 2017 5:32

Instrument :

BNA_F

ClientSampleId :

E2-AA10-NSW

Tot Ion:152 Resp: 175799

Ion Ratio Lower Upper

152 100

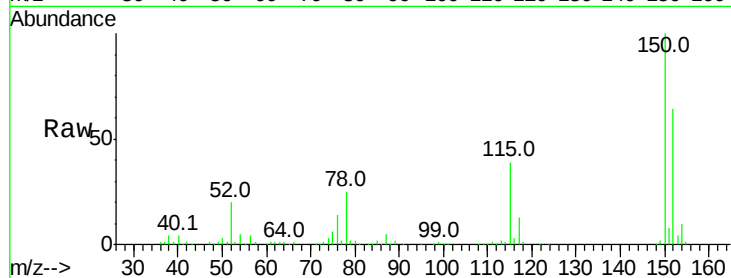
150 155.4 126.2 189.2

115 61.0 52.2 78.2

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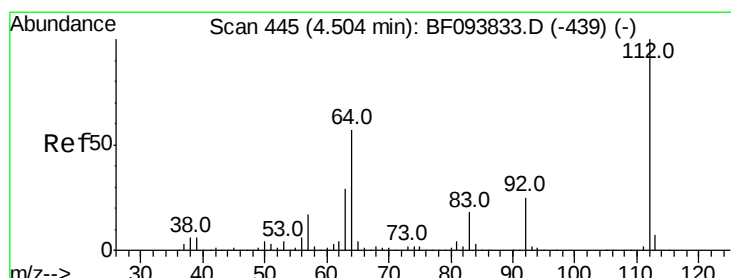
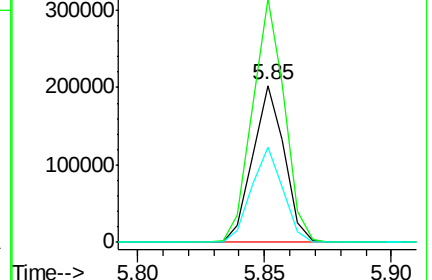
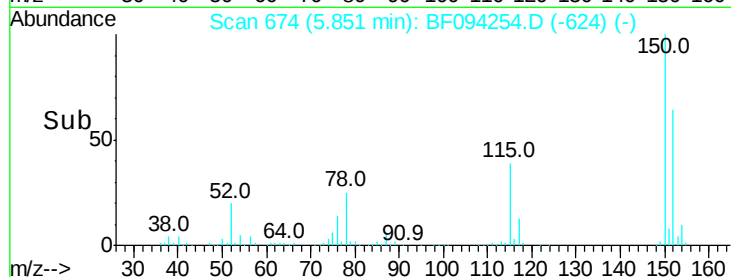
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 114.53 ng

RT: 4.39 min Scan# 426

Delta R.T. 0.01 min

Lab File: BF094254.D

Acq: 7 Apr 2017 5:32

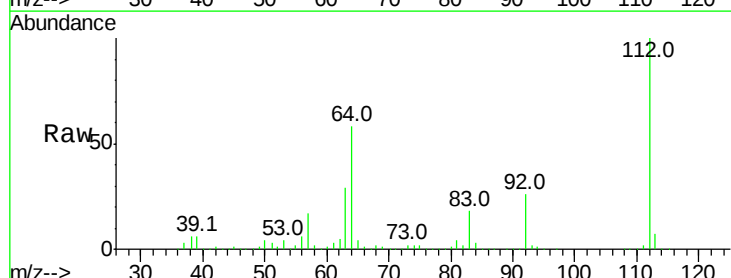
Tgt Ion:112 Resp: 1192105

Ion Ratio Lower Upper

112 100

64 57.6 46.0 69.0

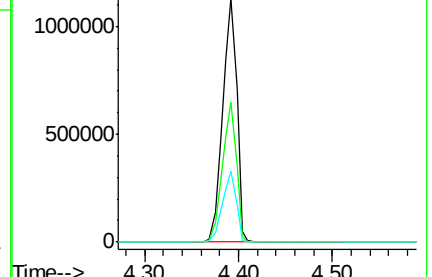
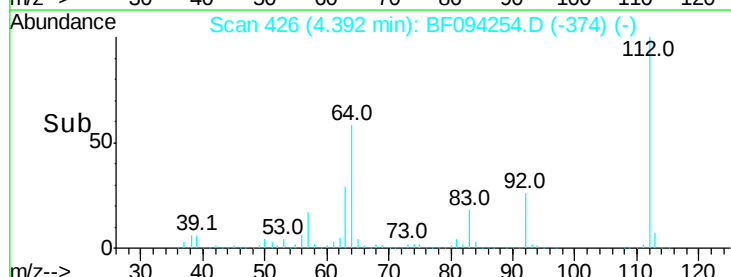
63 28.9 23.4 35.0

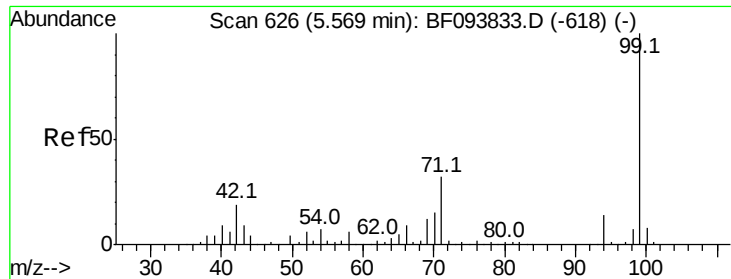


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 114.99 ng

RT: 5.46 min Scan# 608

Delta R.T. -0.00 min

Lab File: BF094254.D

Acq: 7 Apr 2017 5:32

Instrument :

BNA_F

ClientSampleId :

E2-AA10-NSW

Tot Ion: 99 Resp: 1480664

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

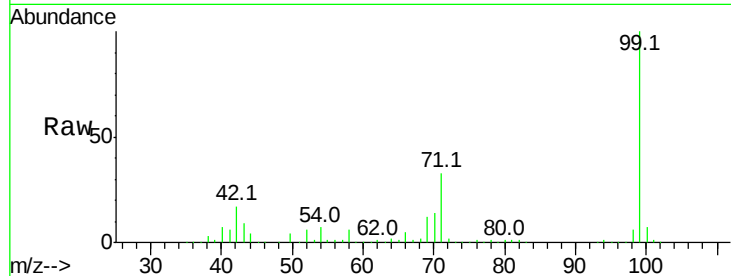
71 33.4 24.5 36.7

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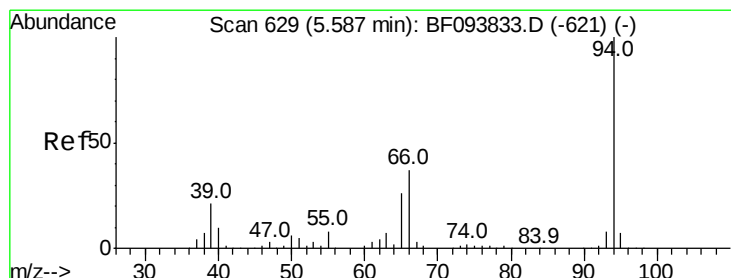
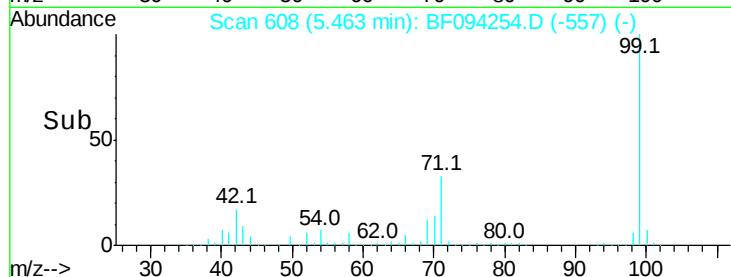
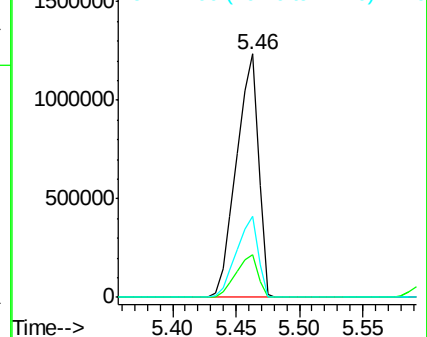
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 7.84 ng

RT: 5.47 min Scan# 610

Delta R.T. -0.01 min

Lab File: BF094254.D

Acq: 7 Apr 2017 5:32

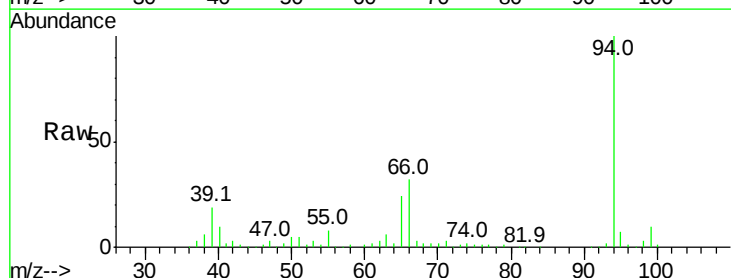
Tgt Ion: 94 Resp: 114932

Ion Ratio Lower Upper

94 100

65 24.5 9.9 49.9

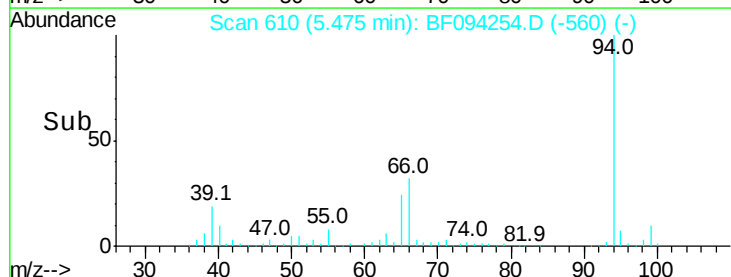
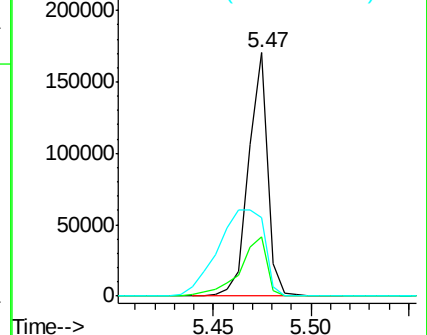
66 32.2 23.1 63.1



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





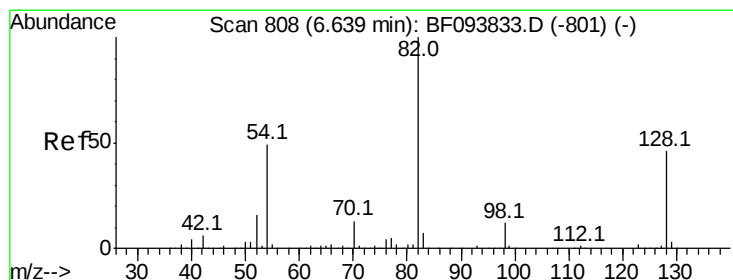
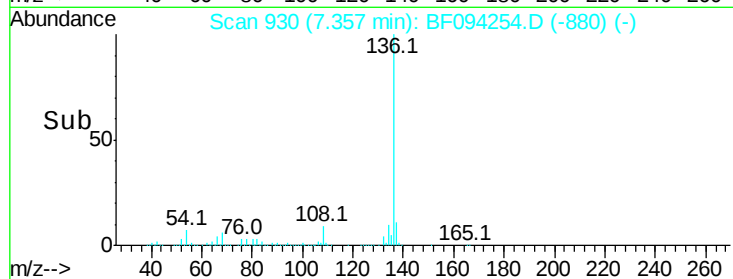
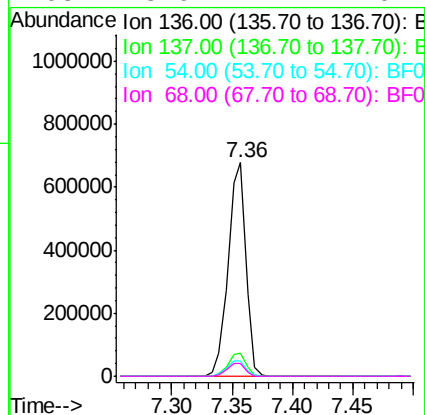
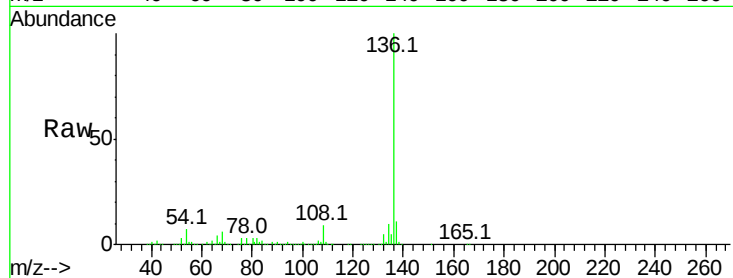
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.36 min Scan# 930
Delta R.T. -0.01 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Instrument :
BNA_F
ClientSampleId :
E2-AA10-NSW

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.4	4.9	7.3#
68	5.9	4.1	6.1

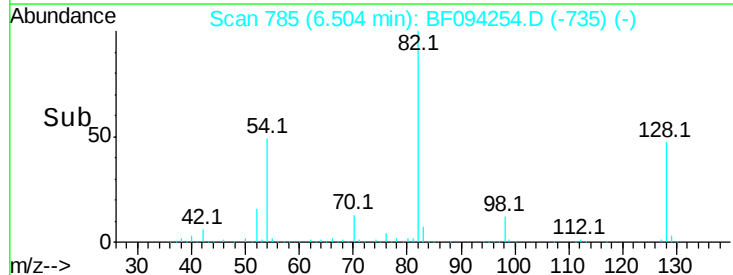
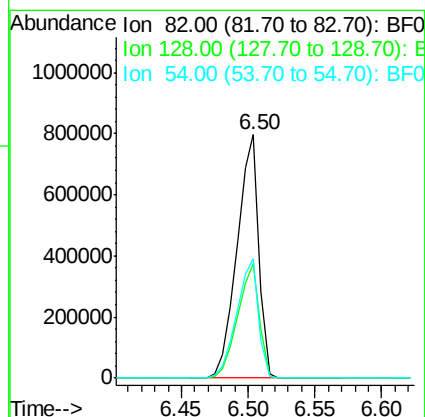
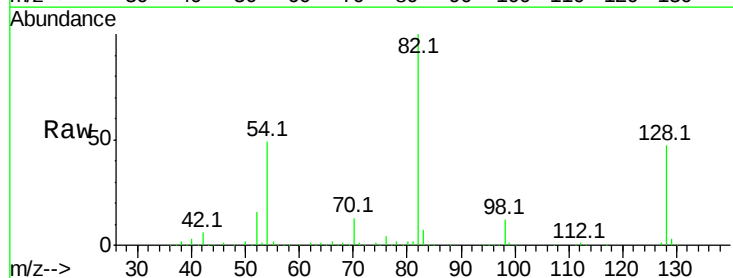
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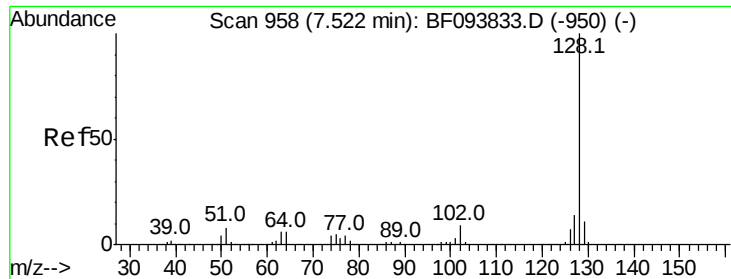
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#23
Nitrobenzene-d5
Concen: 74.84 ng
RT: 6.50 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.9	34.0	51.0
54	48.9	42.2	63.2





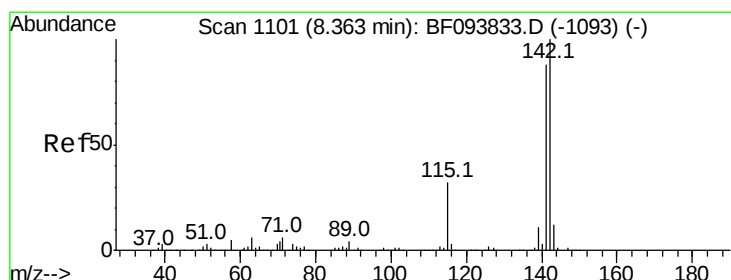
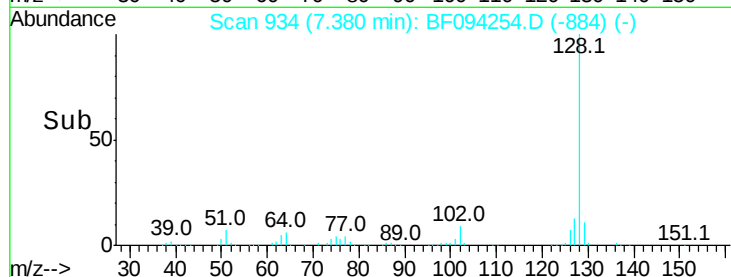
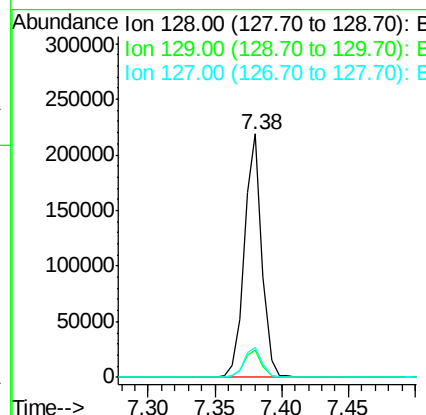
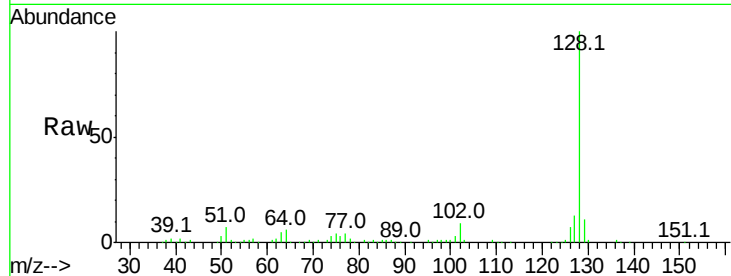
#31
Naphthalene
Concen: 5.97 ng
RT: 7.38 min Scan# 934
Delta R.T. -0.01 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Instrument :
BNA_F
ClientSampleId :
E2-AA10-NSW

Tot Ion	Ratio	Resp	Lower	Upper
128	100	198168		
129	11.0	9.0	13.6	
127	12.5	10.8	16.2	

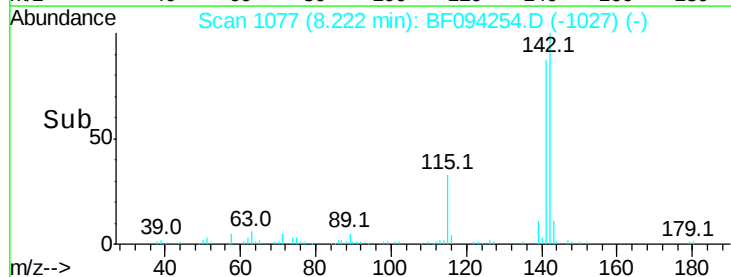
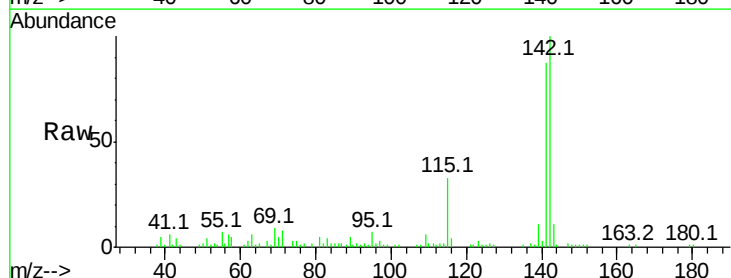
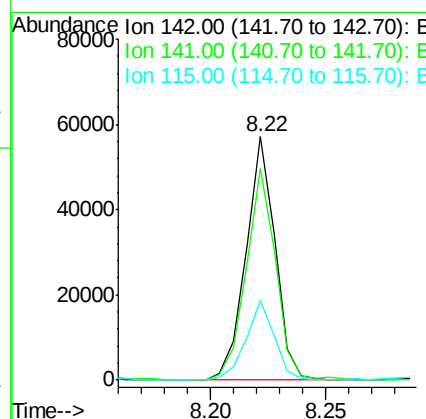
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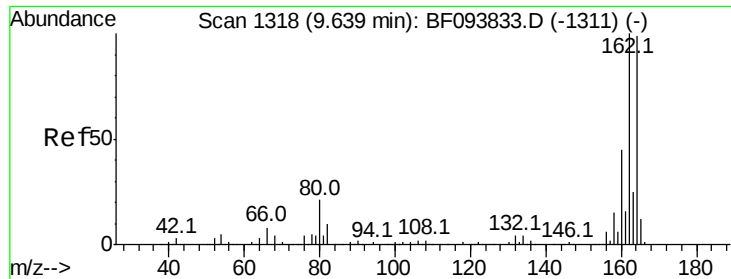
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#37
2-Methylnaphthalene
Concen: 2.28 ng
RT: 8.22 min Scan# 1077
Delta R.T. -0.01 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	50386		
141	86.8	71.3	106.9	
115	32.7	27.1	40.7	





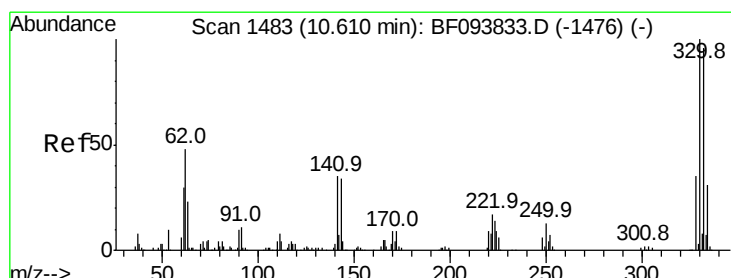
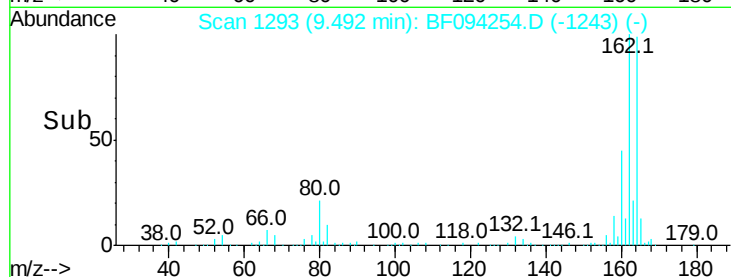
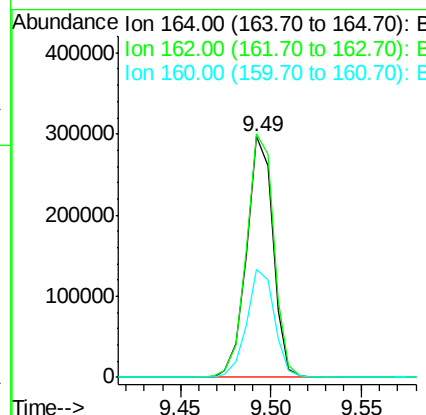
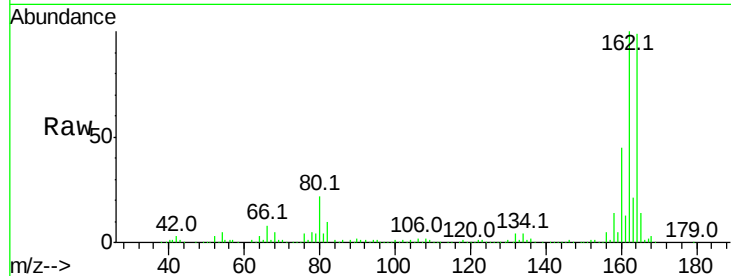
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF094254.D
 Acq: 7 Apr 2017 5:32

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-NSW

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.2	82.6	123.8	
160	45.1	36.2	54.2	

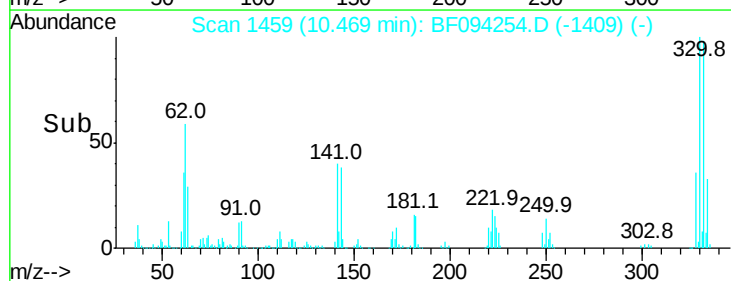
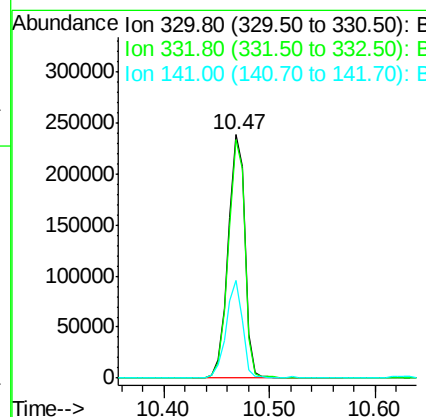
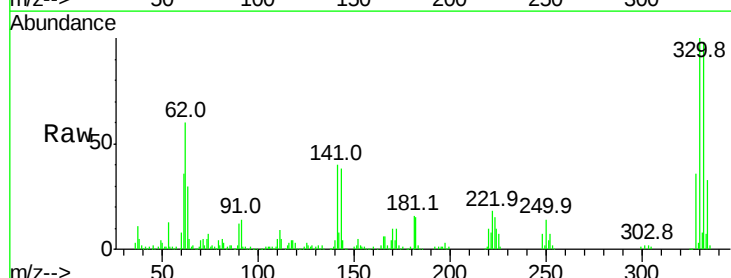
Manual Integrations
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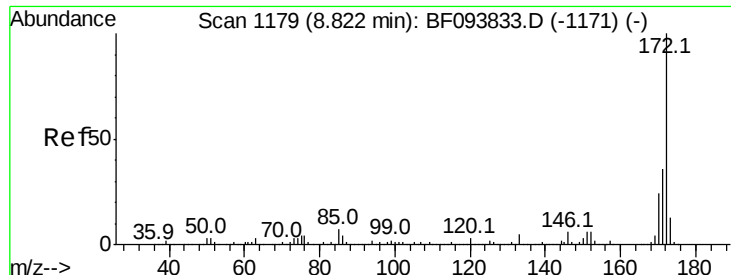
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#41
 2,4,6-Tribromophenol
 Concen: 110.89 ng
 RT: 10.47 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF094254.D
 Acq: 7 Apr 2017 5:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	76.6	115.0	
141	39.8	31.4	47.2	





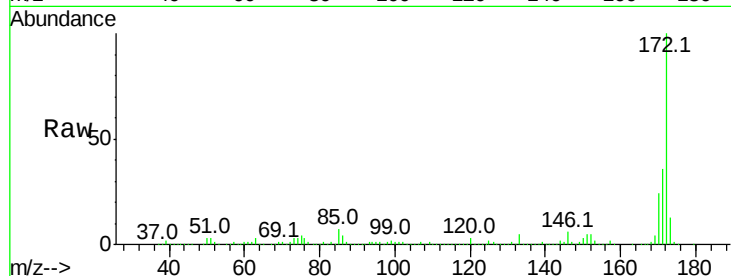
#44
2-Fluorobiphenyl
Concen: 58.02 ng
RT: 8.68 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Instrument :
BNA_F
ClientSampleId :
E2-AA10-NSW

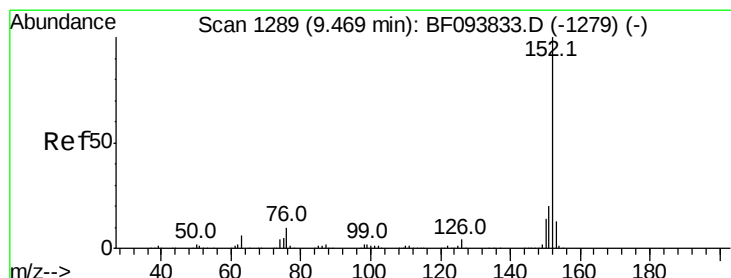
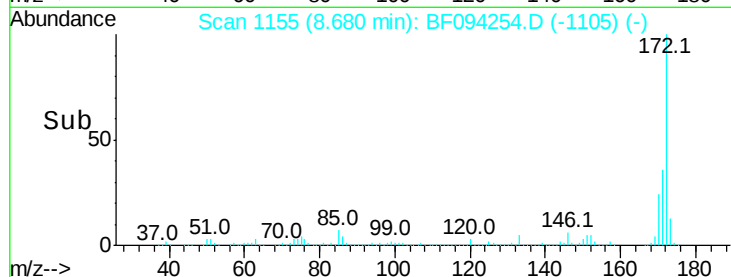
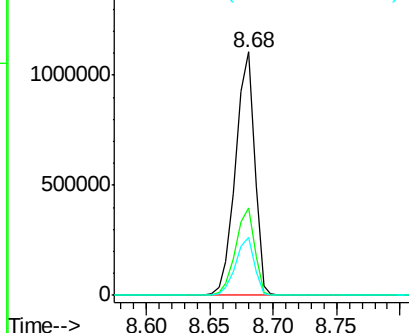
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.7	19.8	29.8

Manual Integrations
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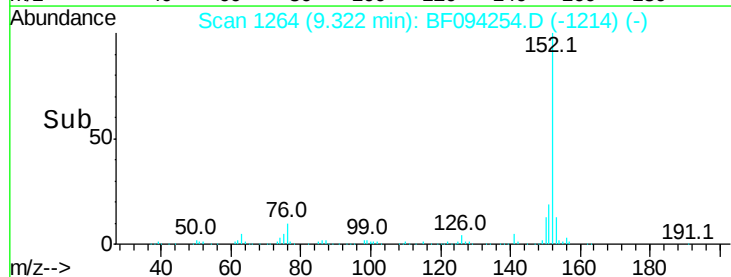
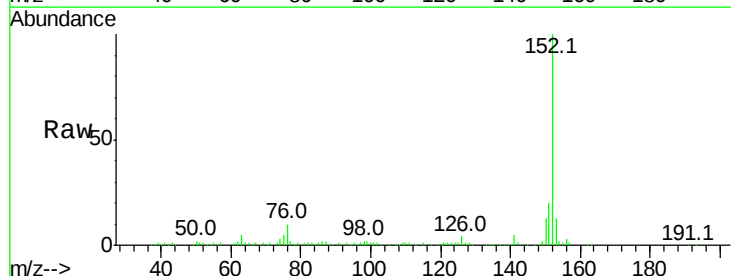
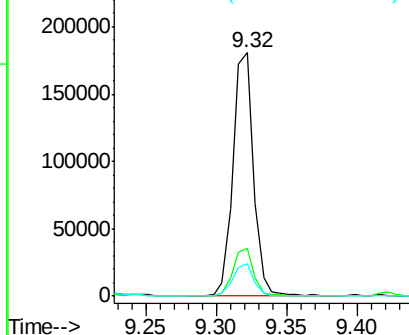
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

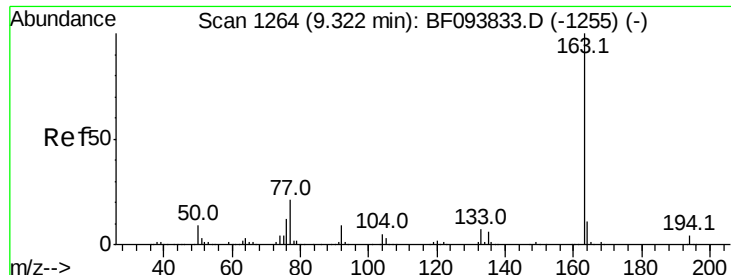


#48
Acenaphthylene
Concen: 5.83 ng
RT: 9.32 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.8	25.2
153	13.3	10.8	16.2

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





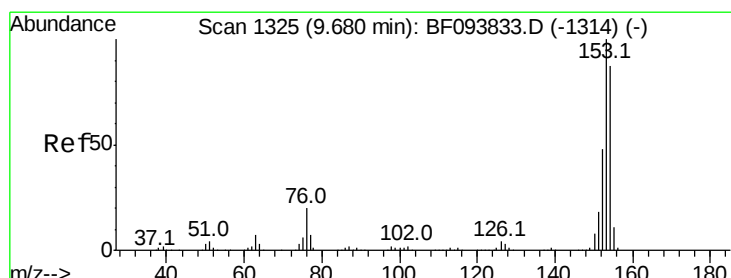
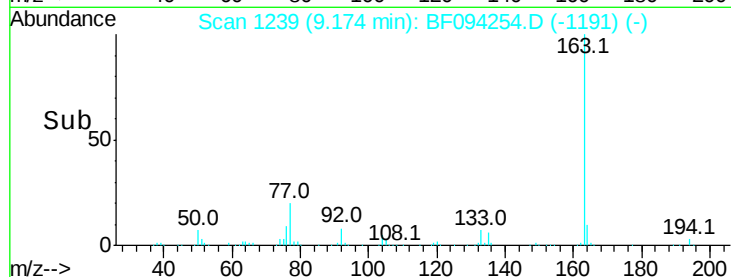
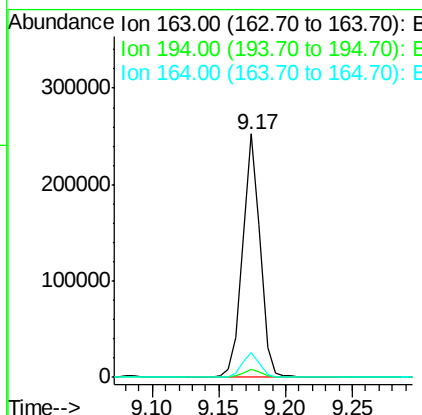
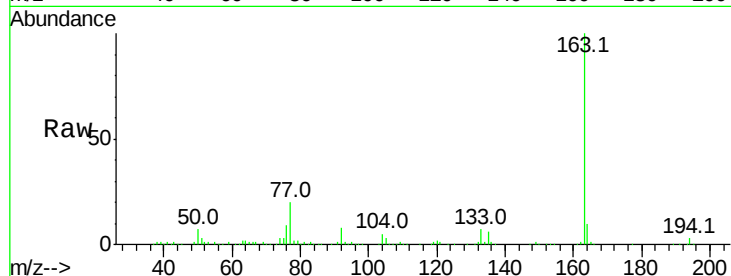
#49
Dimethylphthalate
Concen: 10.64 ng
RT: 9.17 min Scan# 1239
Delta R.T. -0.02 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Instrument :
BNA_F
ClientSampleId :
E2-AA10-NSW

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.2	2.6	4.0	
164	9.9	8.4	12.6	

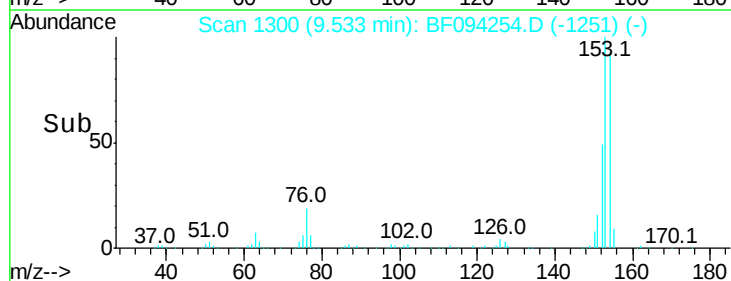
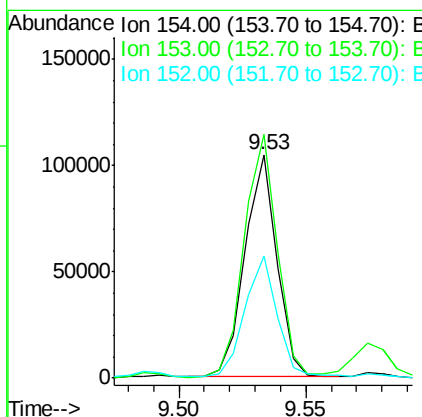
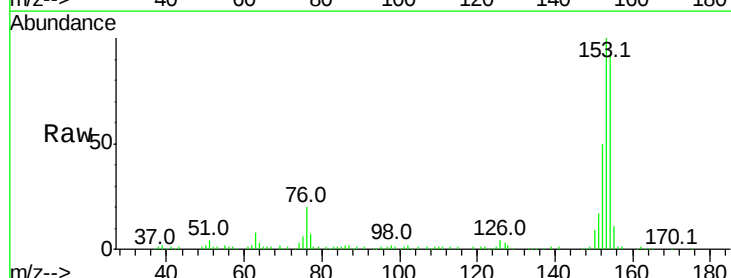
Manual Integrations
APPROVED

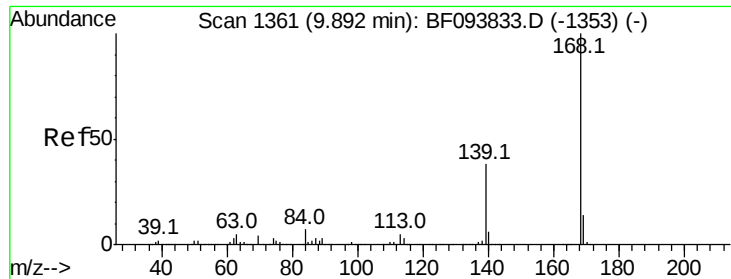
mohammad
4/7/2017 5:21:19 PM



#51
Acenaphthene
Concen: 4.99 ng
RT: 9.53 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	109.0	90.5	135.7	
152	54.6	43.6	65.4	





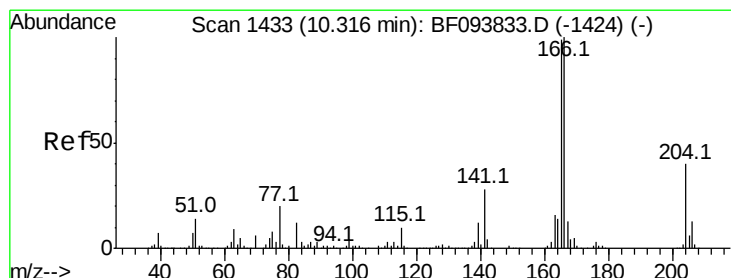
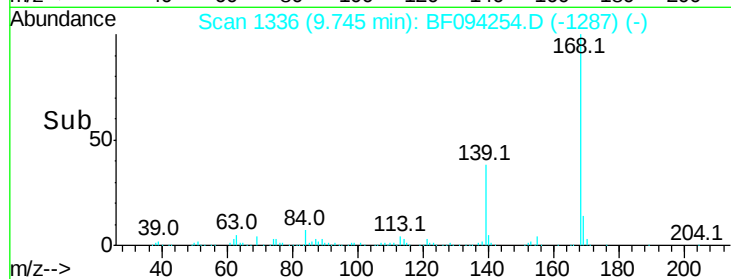
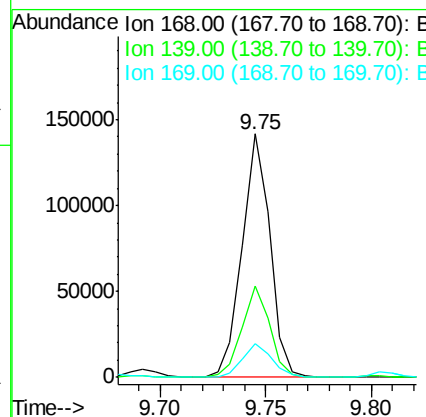
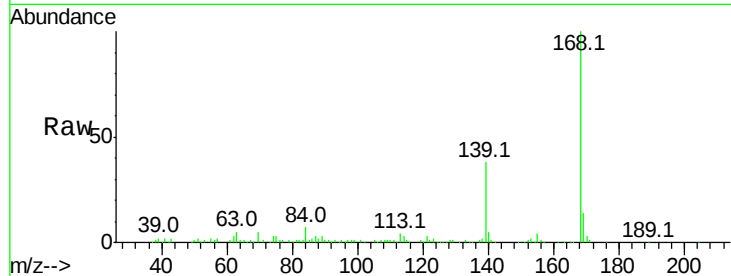
#54
Dibenzofuran
Concen: 5.16 ng
RT: 9.75 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Instrument :
BNA_F
ClientSampleId :
E2-AA10-NSW

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.6	45.8
169	14.0	10.8	16.2

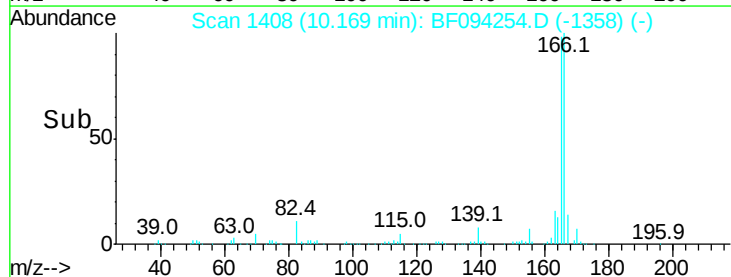
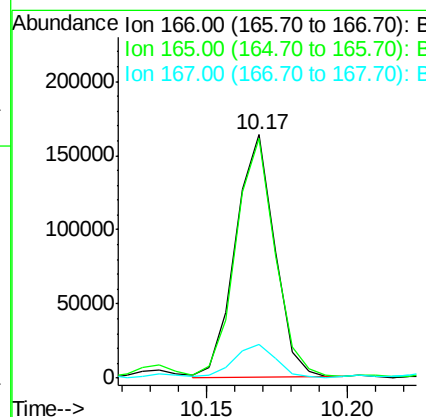
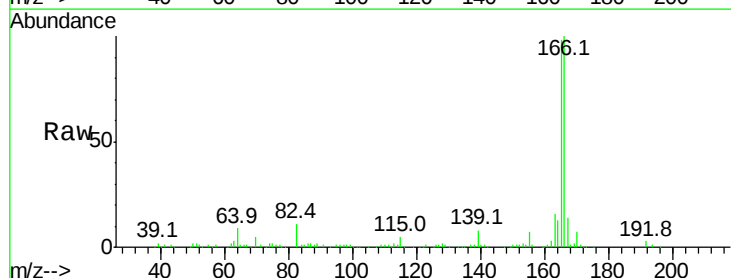
Manual Integrations
APPROVED

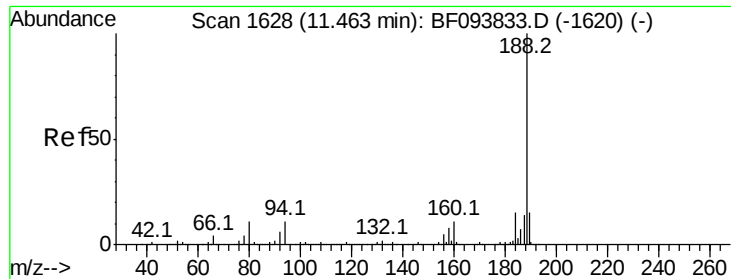
mohammad
4/7/2017 5:21:19 PM



#57
Fluorene
Concen: 7.53 ng
RT: 10.17 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.8	118.2
167	13.9	10.6	16.0





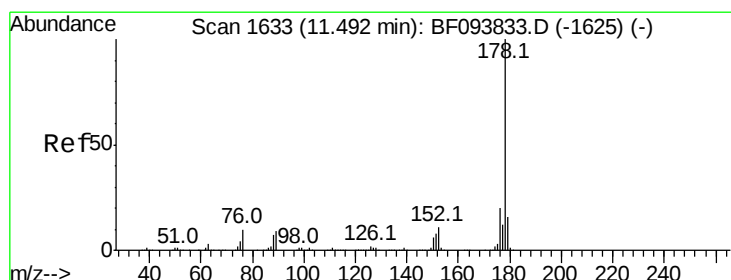
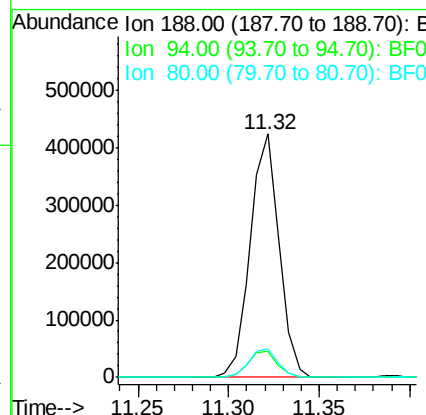
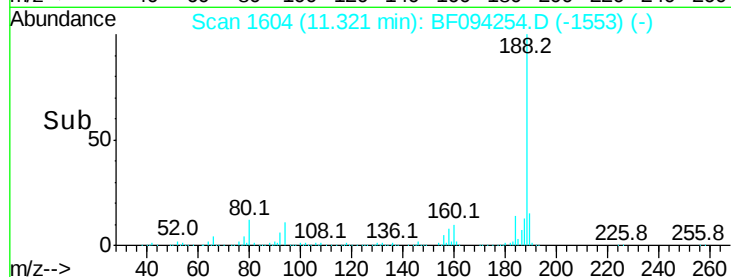
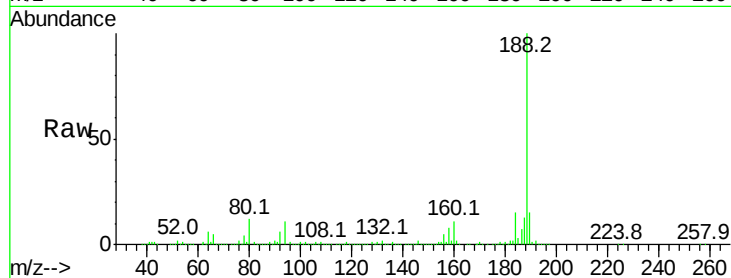
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Instrument :
BNA_F
ClientSampleId :
E2-AA10-NSW

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.8	9.4	14.2	
80	11.8	10.2	15.2	

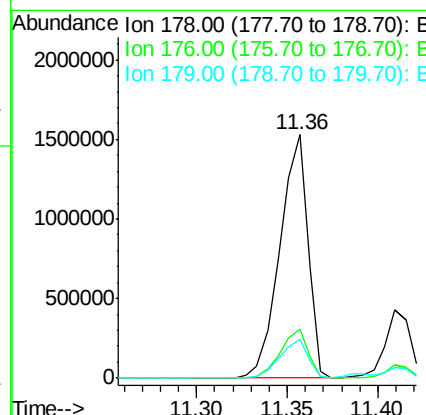
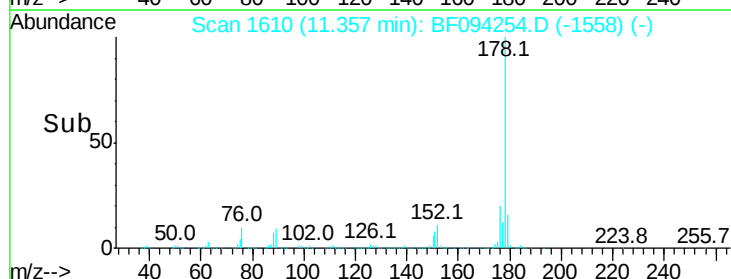
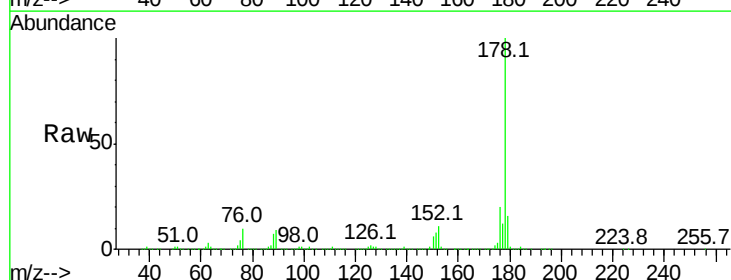
Manual Integrations
APPROVED

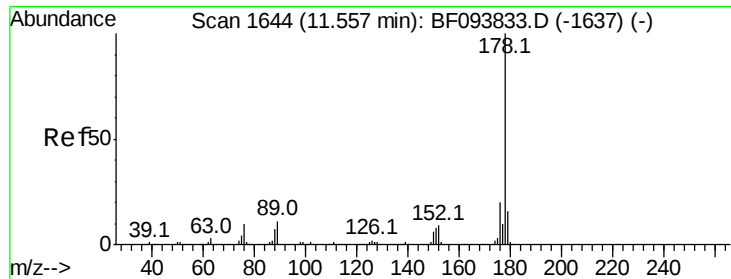
mohammad
4/7/2017 5:21:19 PM



#70
Phenanthrene
Concen: 63.20 ng
RT: 11.36 min Scan# 1610
Delta R.T. 0.01 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	20.1	16.2	24.4	
179	15.7	12.6	19.0	





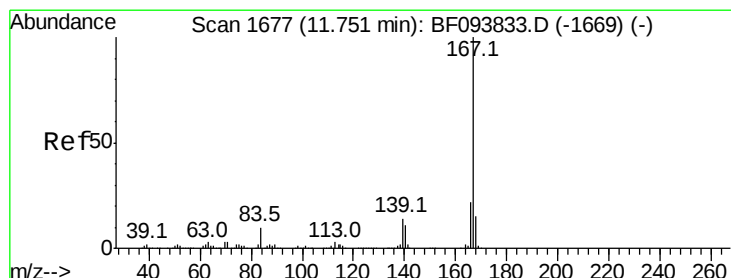
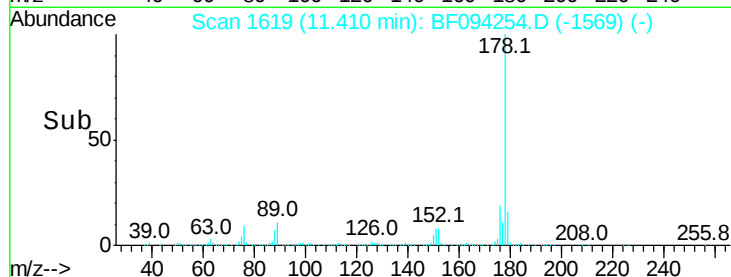
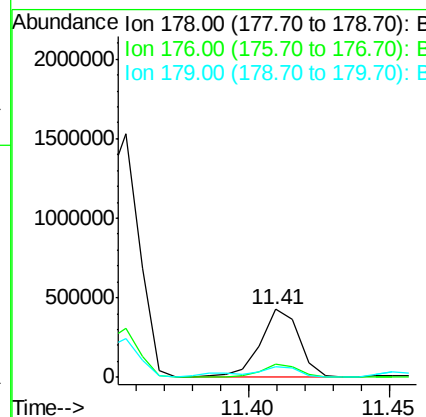
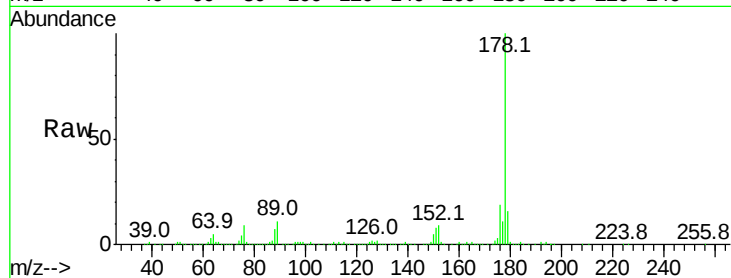
#71
 Anthracene
 Concen: 15.01 ng
 RT: 11.41 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF094254.D
 Acq: 7 Apr 2017 5:32

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-NSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.7	12.7	19.1

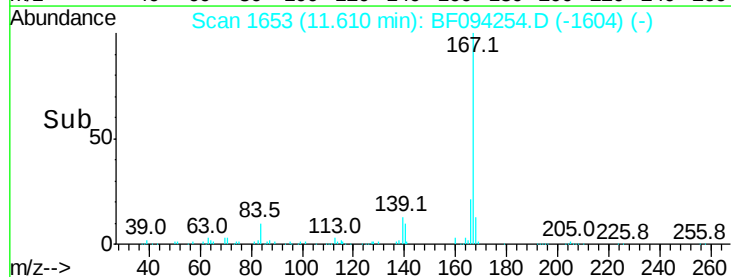
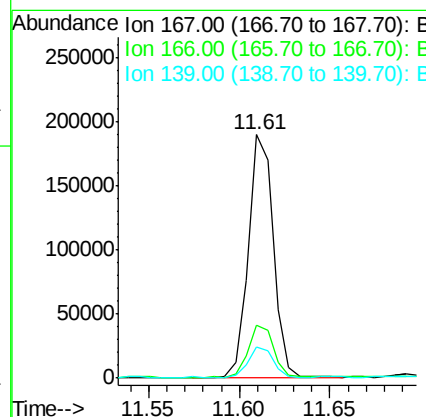
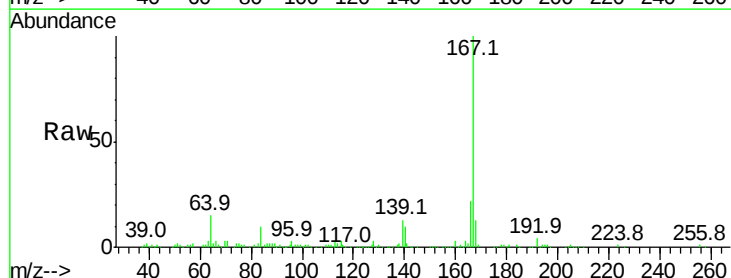
Manual Integrations
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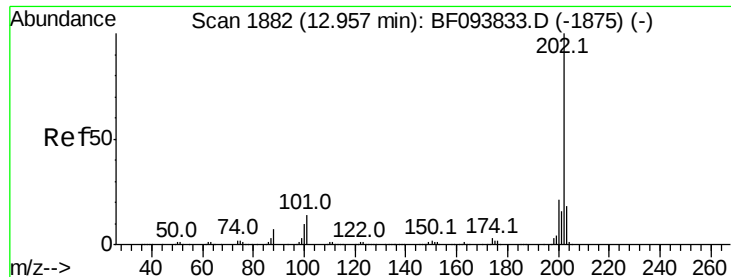
mohammad
 4/7/2017 5:21:19 PM



#72
 Carbazole
 Concen: 6.59 ng
 RT: 11.61 min Scan# 1653
 Delta R.T. -0.01 min
 Lab File: BF094254.D
 Acq: 7 Apr 2017 5:32

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	18.1	27.1
139	13.0	11.7	17.5





#74

Fluoranthene

Concen: 77.66 ng

RT: 12.83 min Scan# 1861

Delta R.T. 0.02 min

Lab File: BF094254.D

Acq: 7 Apr 2017 5:32

Instrument :

BNA_F

ClientSampleId :

E2-AA10-NSW

Tot Ion:202 Resp: 2072759

Ion Ratio Lower Upper

202 100

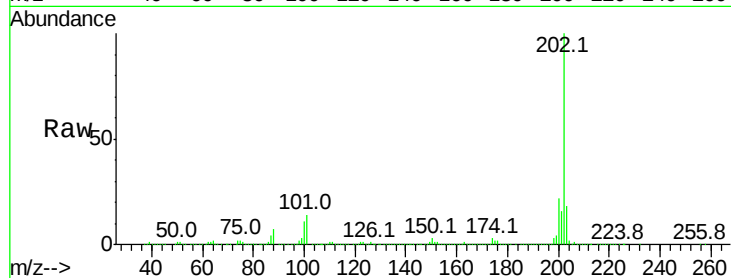
101 14.0 0.0 33.2

203 18.2 0.0 38.1

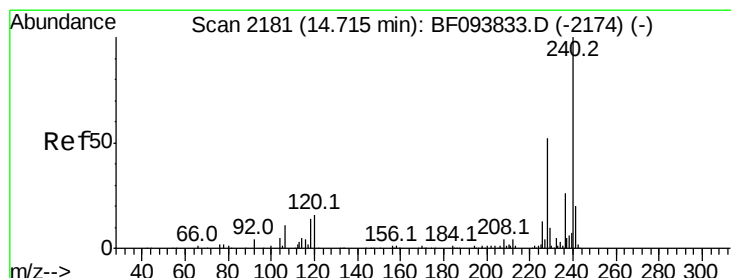
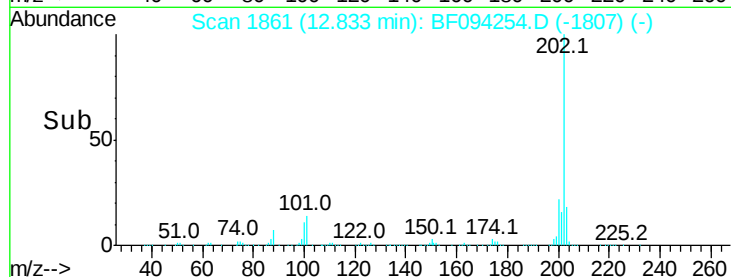
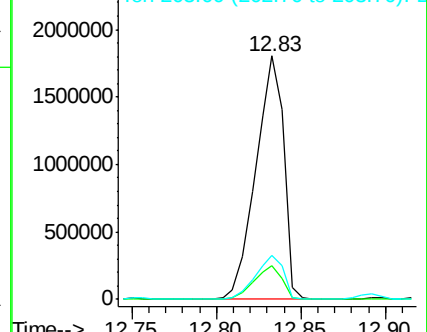
Manual Integrations
APPROVED

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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: 14.58 min Scan# 2158

Delta R.T. 0.01 min

Lab File: BF094254.D

Acq: 7 Apr 2017 5:32

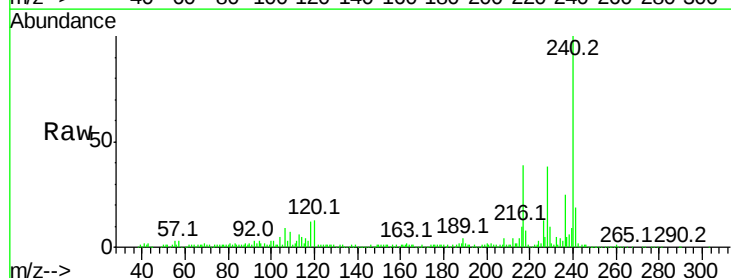
Tgt Ion:240 Resp: 293737

Ion Ratio Lower Upper

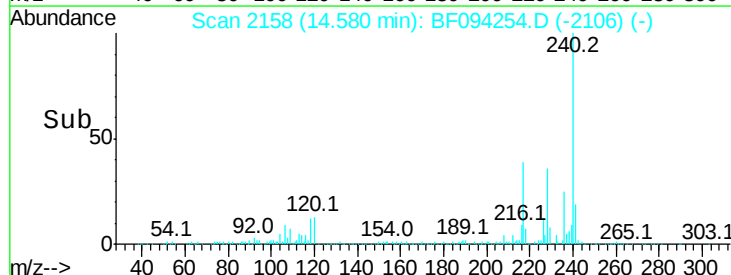
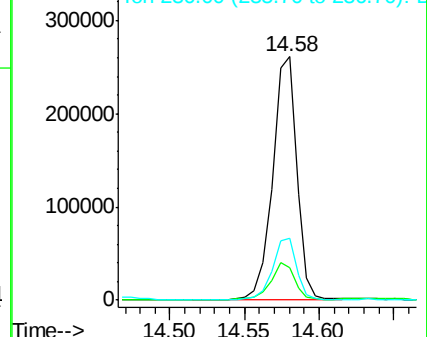
240 100

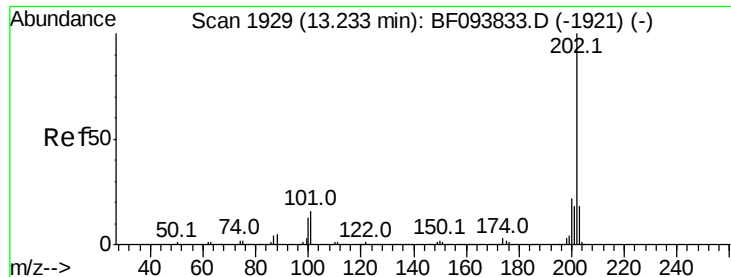
120 13.1 5.8 8.8#

236 25.3 20.5 30.7



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





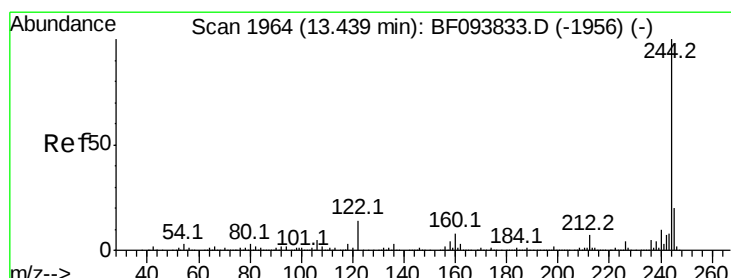
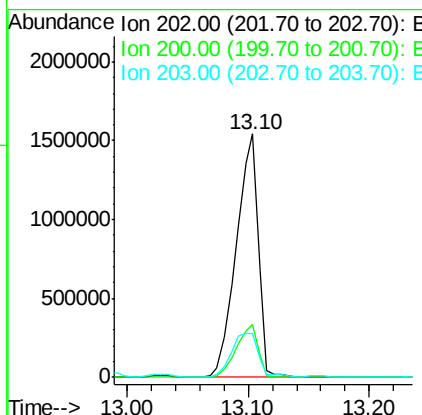
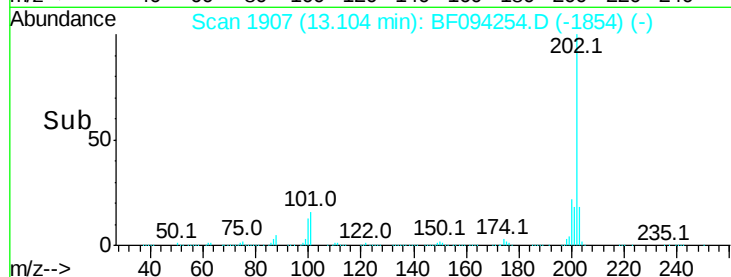
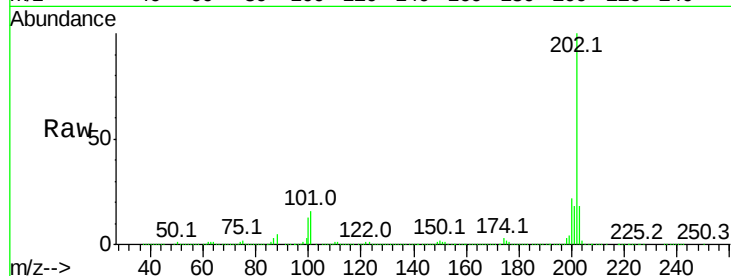
#77
Pvrene
Concen: 91.44 ng
RT: 13.10 min Scan# 1907
Delta R.T. 0.01 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Instrument :
BNA_F
ClientSampleId :
E2-AA10-NSW

Tot Ion:202 Resp: 1949325
Ion Ratio Lower Upper
202 100
200 22.0 17.6 26.4
203 18.0 14.4 21.6

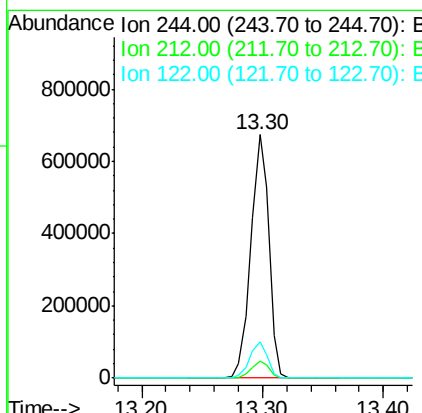
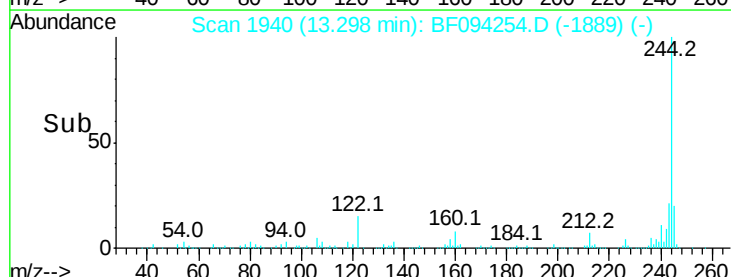
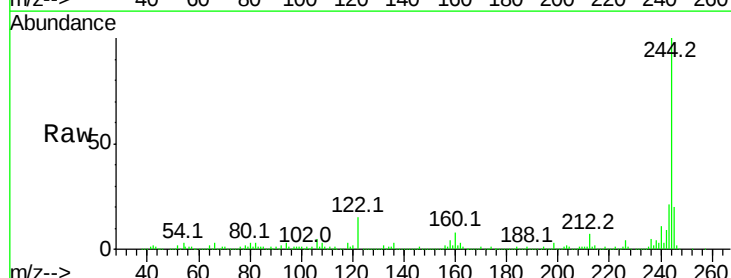
Manual Integrations
APPROVED

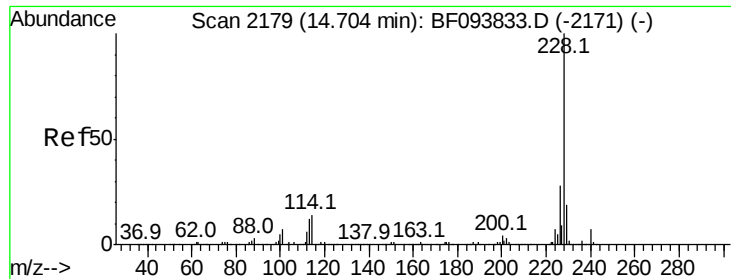
mohammad
4/7/2017 5:21:19 PM



#78
Terphenyl-d14
Concen: 53.88 ng
RT: 13.30 min Scan# 1940
Delta R.T. -0.00 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Tgt Ion:244 Resp: 706081
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 14.8 10.3 15.5





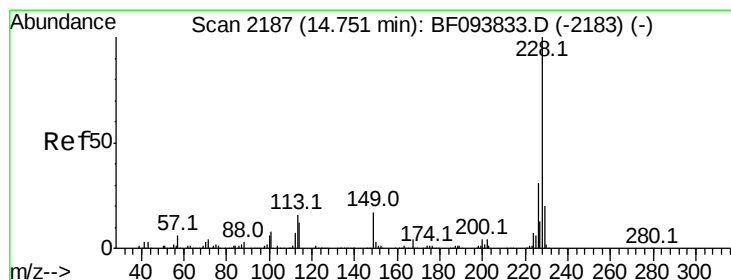
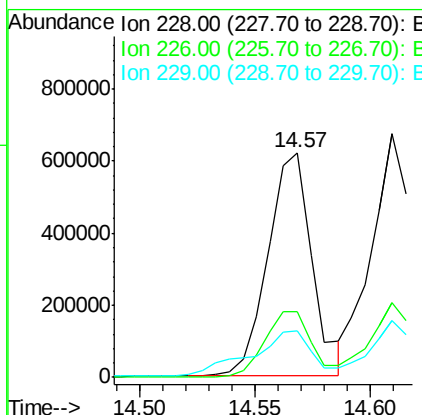
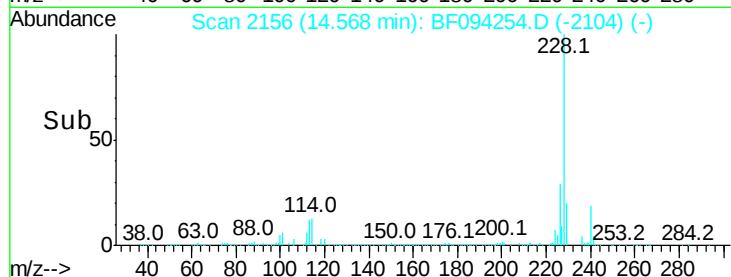
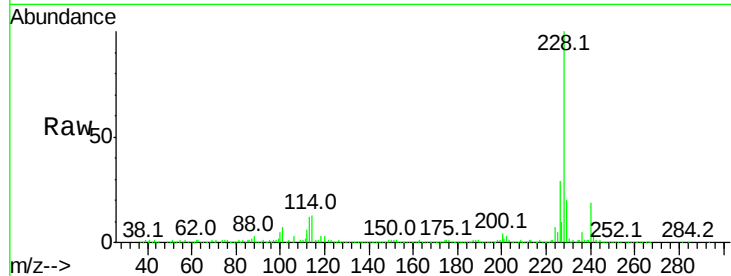
#80
Benzo(a)anthracene
Concen: 48.01 ng
RT: 14.57 min Scan# 2156
Delta R.T. 0.01 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Instrument :
BNA_F
ClientSampleId :
E2-AA10-NSW

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	20.4	16.3	24.5

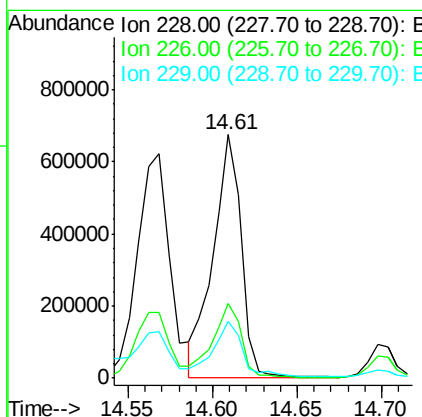
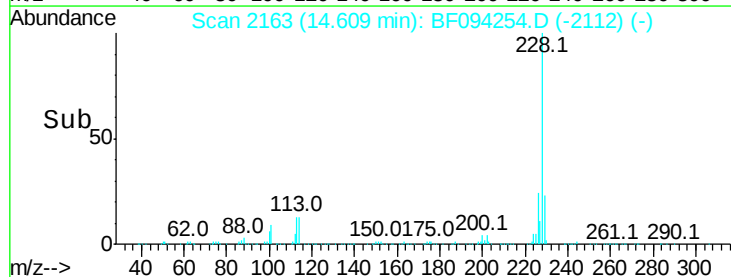
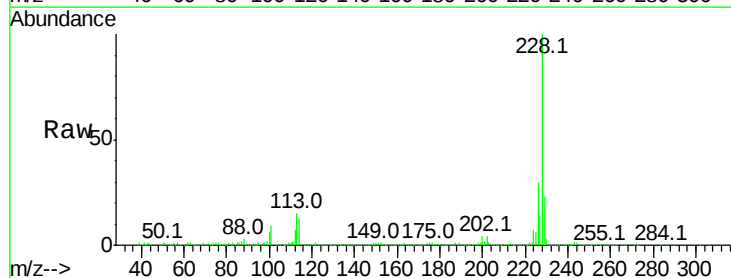
Manual Integrations
APPROVED

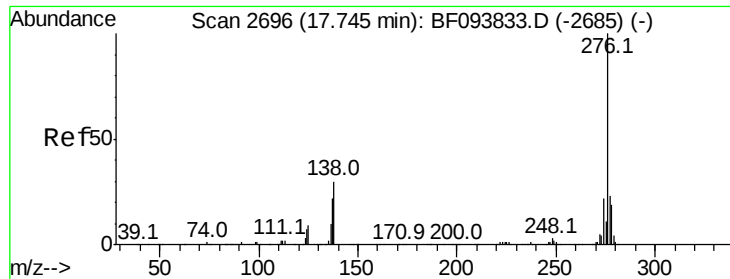
mohammad
4/7/2017 5:21:19 PM



#82
Chrysene
Concen: 48.98 ng
RT: 14.61 min Scan# 2163
Delta R.T. -0.00 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	23.3	15.8	23.6





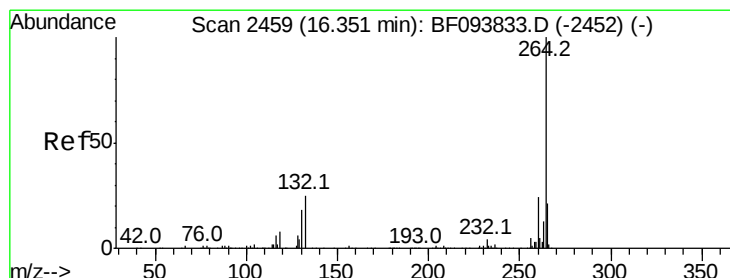
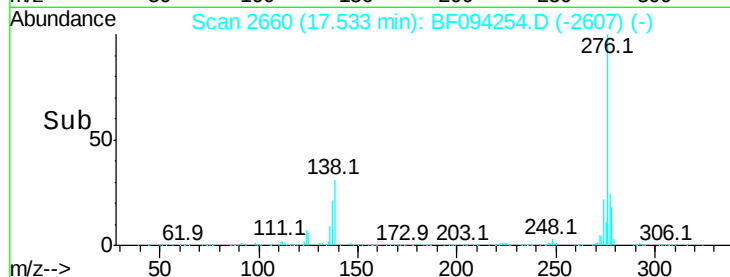
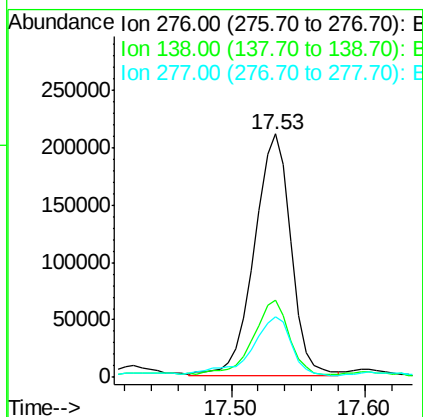
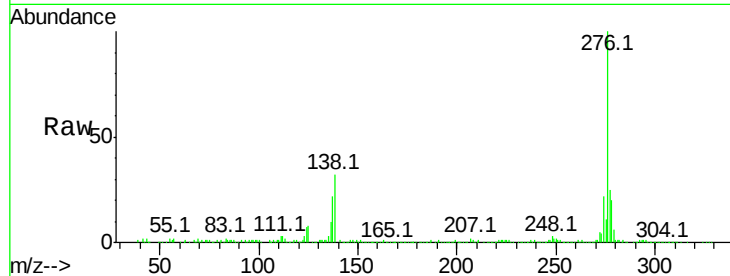
#85
Indeno(1,2,3-cd)pyrene
Concen: 29.11 ng
RT: 17.53 min Scan# 2660
Delta R.T. 0.01 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Instrument :
BNA_F
ClientSampleId :
E2-AA10-NSW

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.8	27.8	41.6
277	27.0	20.2	30.4

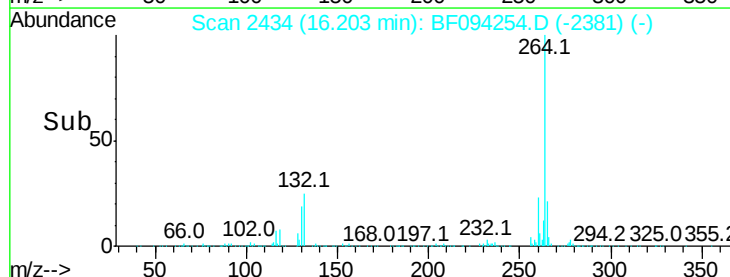
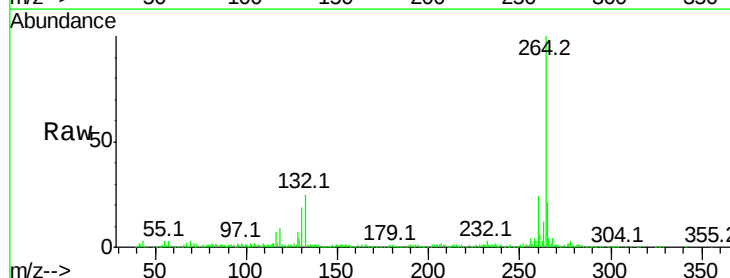
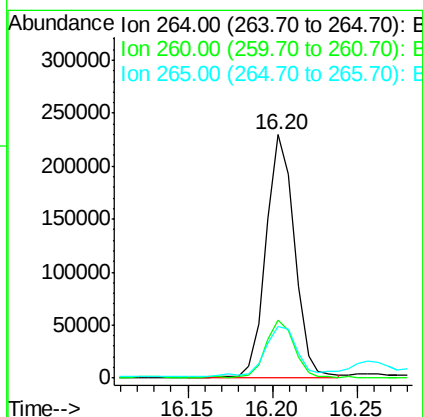
Manual Integrations
APPROVED

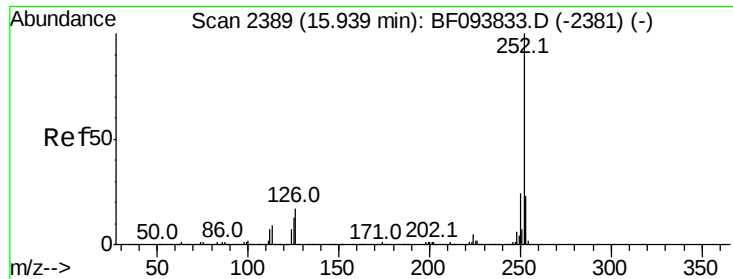
mohammad
4/7/2017 5:21:19 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.20 min Scan# 2434
Delta R.T. 0.01 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.4	17.2	25.8





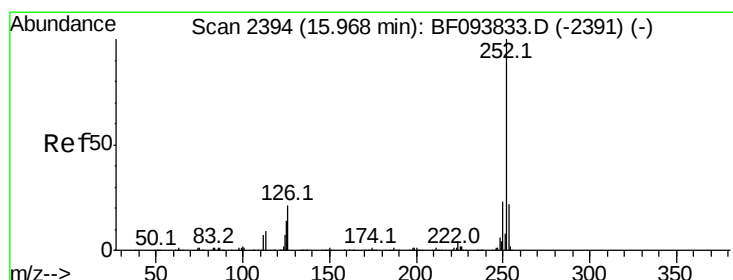
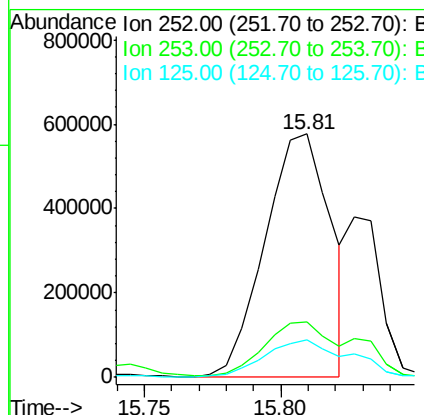
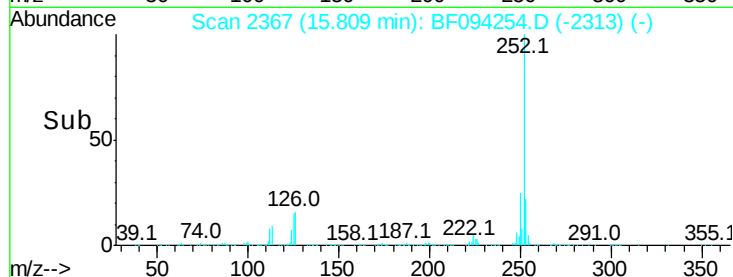
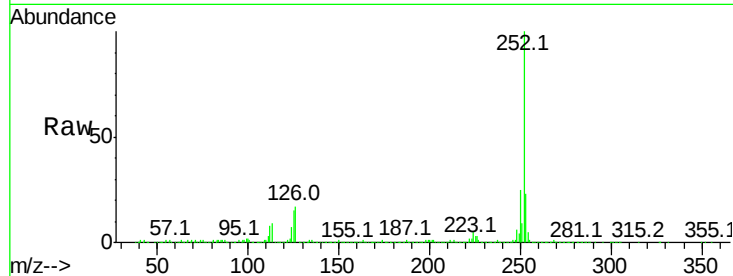
#87
Benzo(b)fluoranthene
Concen: 59.03 ng m
RT: 15.81 min Scan# 2367
Delta R.T. 0.02 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Instrument :
BNA_F
ClientSampleId :
E2-AA10-NSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	15.4	9.8	14.8

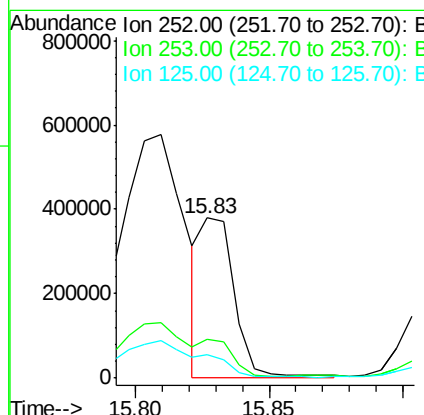
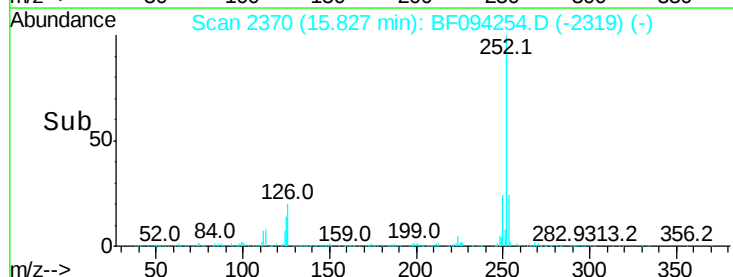
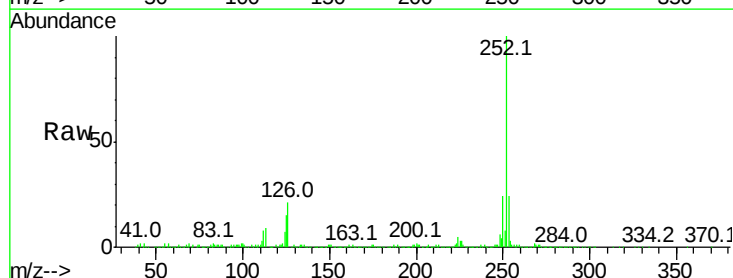
Manual Integrations
APPROVED

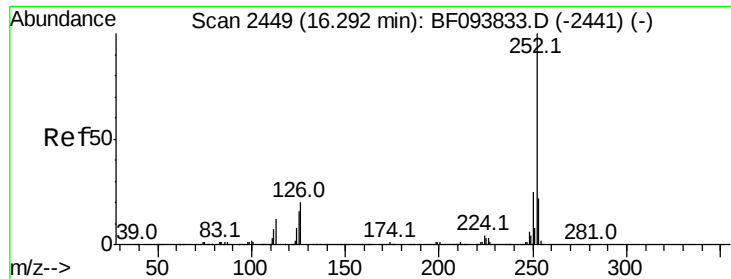
mohammad
4/7/2017 5:21:19 PM



#88
Benzo(k)fluoranthene
Concen: 20.71 ng m
RT: 15.83 min Scan# 2370
Delta R.T. -0.00 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.4	27.6
125	14.6	13.1	19.7





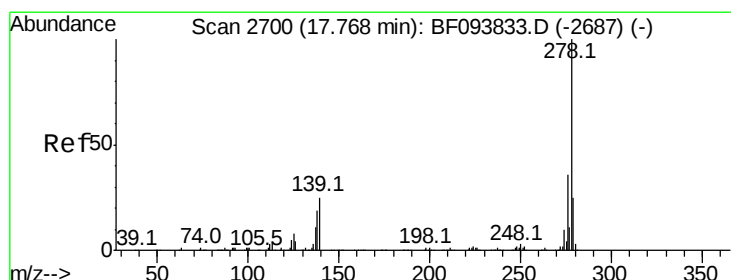
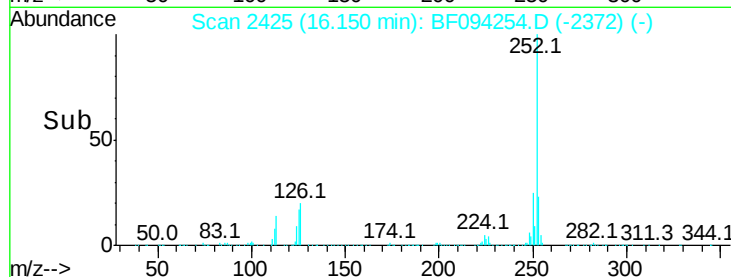
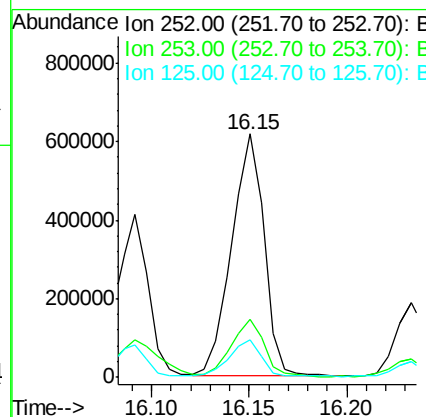
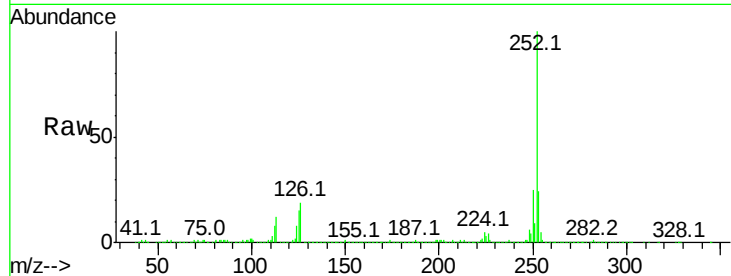
#89
Benzo(a)pyrene
Concen: 47.30 ng
RT: 16.15 min Scan# 2425
Delta R.T. 0.01 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Instrument :
BNA_F
ClientSampleId :
E2-AA10-NSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	15.3	11.0	16.4

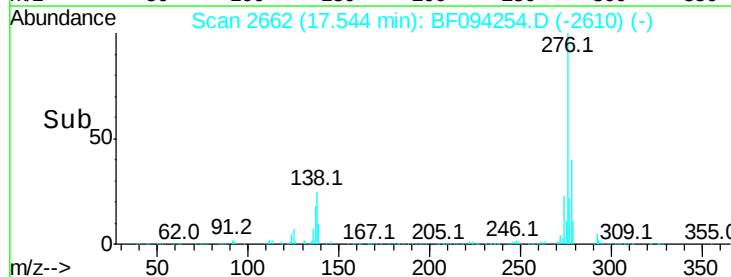
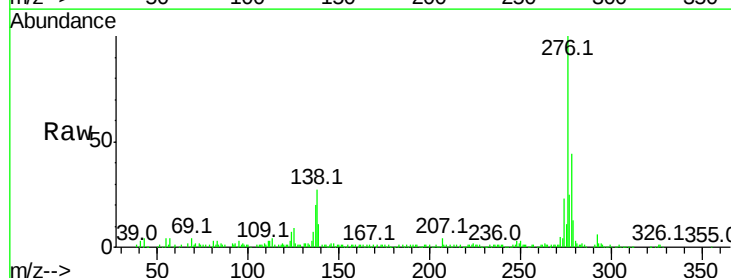
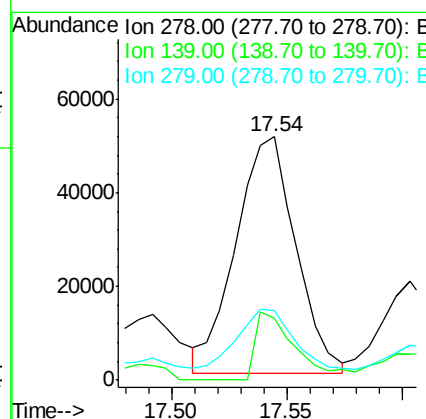
Manual Integrations
APPROVED

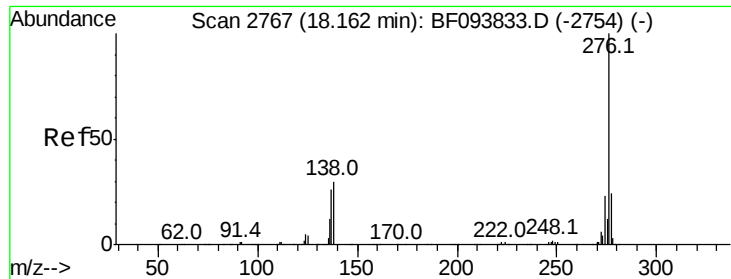
mohammad
4/7/2017 5:21:19 PM



#90
Dibenzo(a,h)anthracene
Concen: 7.19 ng
RT: 17.54 min Scan# 2662
Delta R.T. 0.01 min
Lab File: BF094254.D
Acq: 7 Apr 2017 5:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.5	16.6	24.8#
279	28.6	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 28.16 ng
 RT: 17.92 min Scan# 2726
 Delta R.T. 0.01 min
 Lab File: BF094254.D
 Acq: 7 Apr 2017 5:32

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-NSW

Tot Ion:	276	Resp:	360584
Ion Ratio	Lower	Upper	
276	100		
277	25.6	18.6	28.0
138	32.9	25.4	38.0

Manual Integrations
 APPROVED

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