

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041317\
 Data File : BF094407.D
 Acq On : 13 Apr 2017 22:56
 Operator : SJ/MA
 Sample : I2662-05 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AREA-3-COMP

Manual Integrations
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Quant Time: Apr 14 07:25:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 14 01:21:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.79	152	152457	20.00	ng	-0.04
21) Naphthalene-d8	7.29	136	587801	20.00	ng	-0.04
38) Acenaphthene-d10	9.43	164	242171	20.00	ng	-0.05
63) Phenanthrene-d10	11.26	188	345148	20.00	ng	-0.04
75) Chrysene-d12	14.53	240	232366	20.00	ng	-0.02
86) Perylene-d12	16.14	264	221524	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	462228	51.21	ng	-0.05
7) Phenol-d6	5.42	99	604128	54.10	ng	-0.05
23) Nitrobenzene-d5	6.43	82	351817	34.16	ng	-0.05
41) 2,4,6-Tribromophenol	10.40	330	91997	48.07	ng	-0.04
44) 2-Fluorobiphenyl	8.61	172	649968	40.94	ng	-0.05
78) Terphenyl-d14	13.23	244	389748	37.60	ng	-0.04
Target Compounds						Qvalue
10) Phenol	5.43	94	50686	3.99	ng	88
20) 3+4-Methylphenols	6.30	107	27229	2.65	ng	# 63
31) Naphthalene	7.32	128	2544629	90.03	ng	99
37) 2-Methylnaphthalene	8.16	142	732504	38.88	ng	99
45) 1,1'-Biphenyl	8.73	154	293079	15.00	ng	98
49) Dimethylphthalate	9.11	163	86983	5.05	ng	98
51) Acenaphthene	9.47	154	1234956	83.28	ng	100
54) Dibenzofuran	9.69	168	1412703	69.99	ng	100
57) Fluorene	10.11	166	1164619	69.57	ng	100
70) Phenanthrene	11.33	178	7638246	397.83	ng	99
71) Anthracene	11.37	178	2193265	110.95	ng	99
72) Carbazole	11.56	167	1298540	64.06	ng	98
74) Fluoranthene	12.79	202	7145624	363.45	ng	99
77) Pyrene	13.07	202	5973756	354.24	ng	98
80) Benzo(a)anthracene	14.52	228	2997074	221.19	ng	99
82) Chrysene	14.57	228	2600521	206.81	ng	96
85) Indeno(1,2,3-cd)pyrene	17.45	276	1114273	102.32	ng	95
87) Benzo(b)fluoranthene	15.76	252	3026015m	222.85	ng	
88) Benzo(k)fluoranthene	15.78	252	689931m	51.93	ng	
89) Benzo(a)pyrene	16.10	252	1840408	147.18	ng	97
90) Dibenzo(a,h)anthracene	17.46	278	284067m	26.82	ng	
91) Benzo(g,h,i)perylene	17.84	276	1068726	100.14	ng	97

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

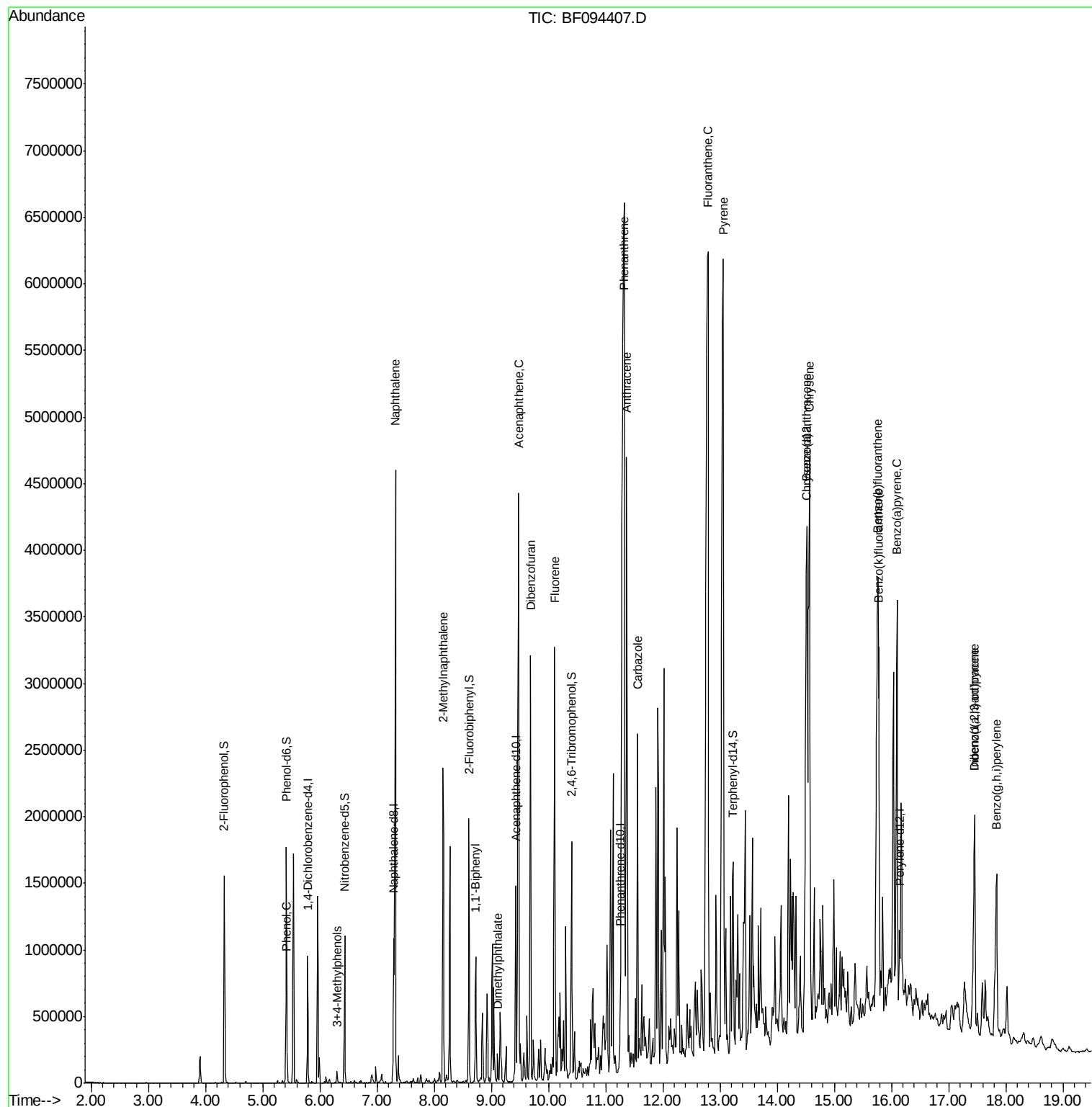
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041317\
Data File : BF094407.D
Acq On : 13 Apr 2017 22:56
Operator : SJ/MA
Sample : I2662-05 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

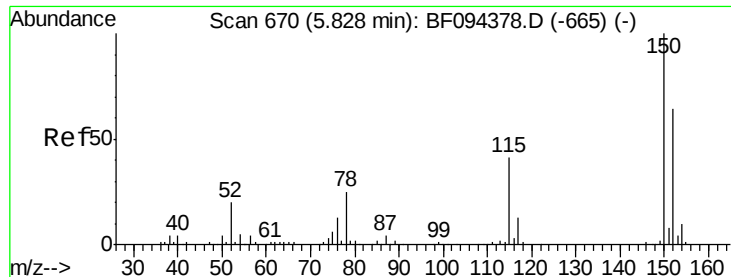
Instrument :
BNA_F
ClientSampleId :
AREA-3-COMP

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#1

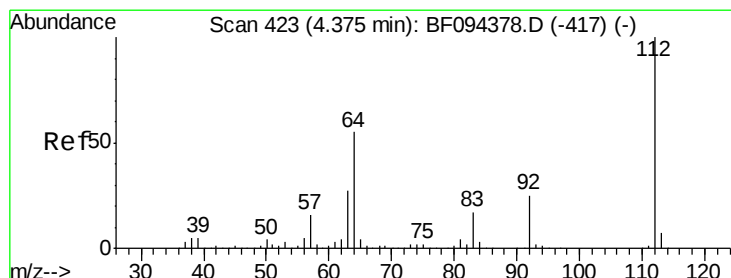
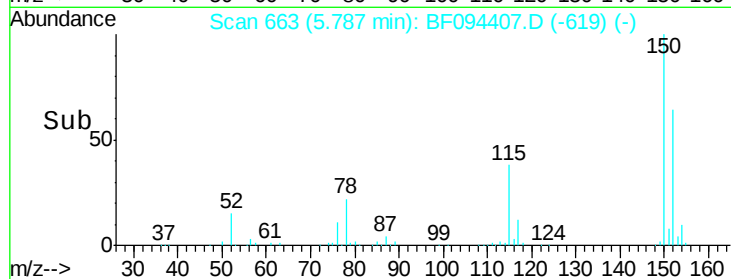
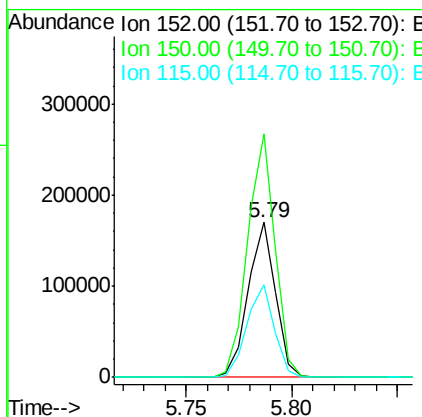
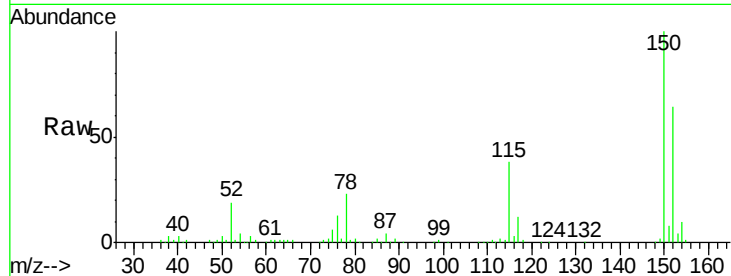
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.79 min Scan# 663
Delta R.T. -0.04 min
Lab File: BF094407.D
Acq: 13 Apr 2017 22:56

Instrument :
BNA_F
ClientSampleId :
AREA-3-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	59.3	52.2	78.2

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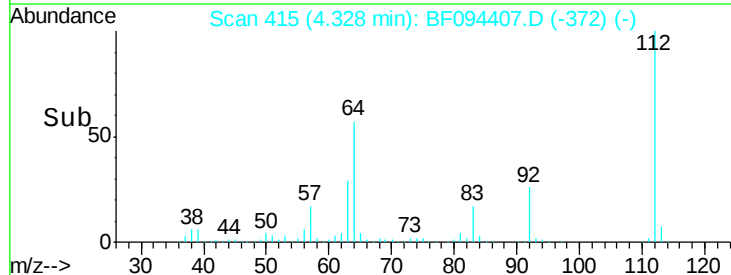
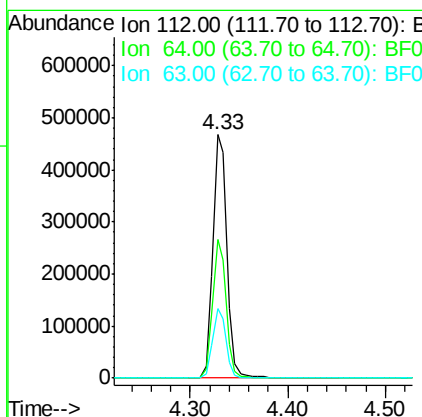
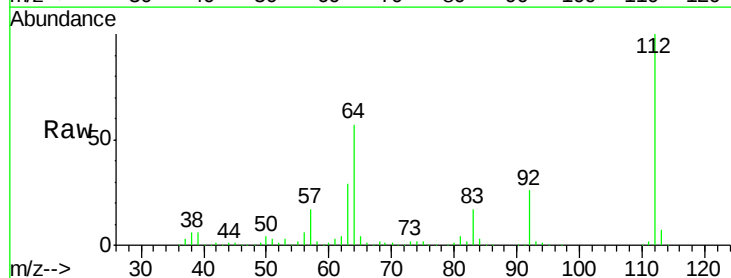
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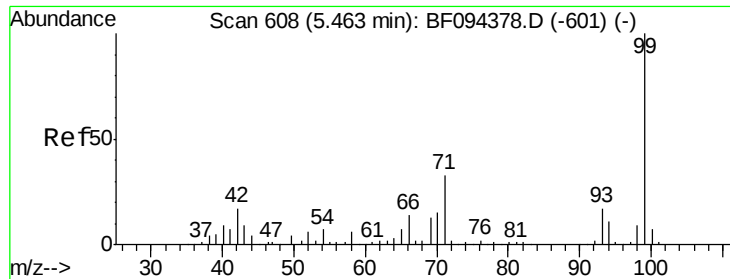


#5

2-Fluorophenol
Concen: 51.21 ng
RT: 4.33 min Scan# 415
Delta R.T. -0.05 min
Lab File: BF094407.D
Acq: 13 Apr 2017 22:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	46.0	69.0
63	28.7	23.4	35.0





#7

Phenol-d6

Concen: 54.10 ng

RT: 5.42 min Scan# 600

Delta R.T. -0.05 min

Lab File: BF094407.D

Acq: 13 Apr 2017 22:56

Instrument :

BNA_F

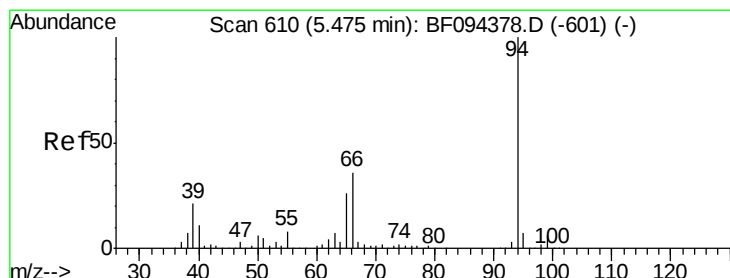
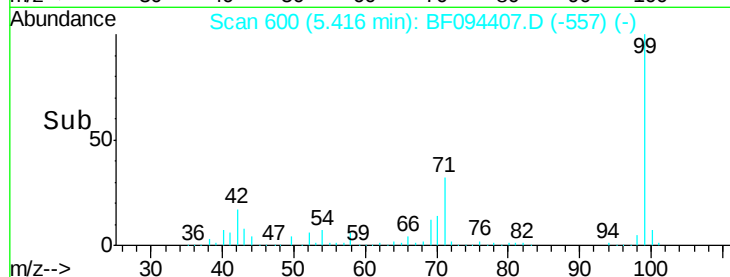
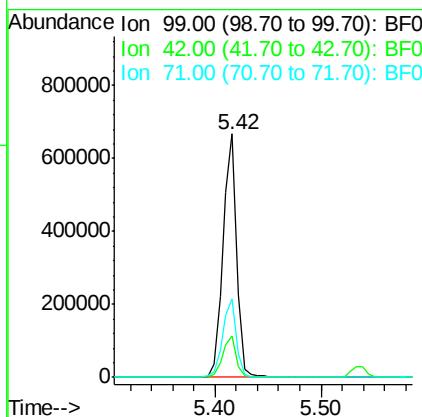
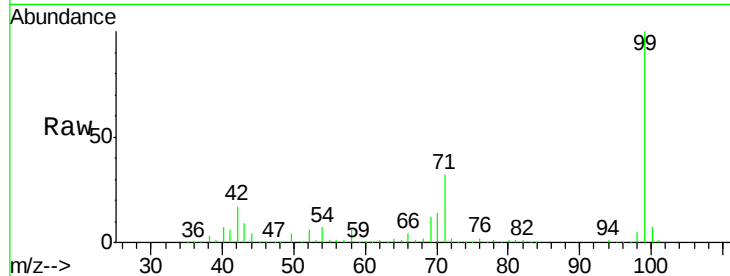
ClientSampleId :

AREA-3-COMP

Tot Ion:	99	Resp:	604128
Ion Ratio	Lower	Upper	
99	100		
42	17.1	13.5	20.3
71	32.4	24.5	36.7

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#10

Phenol

Concen: 3.99 ng

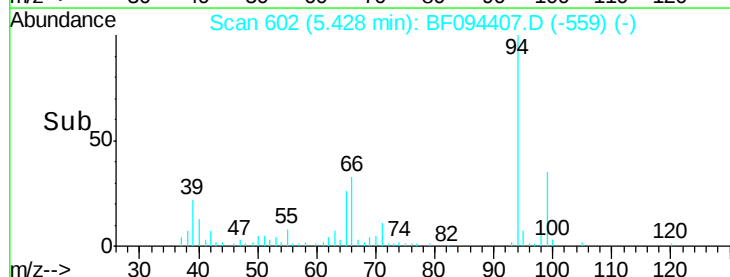
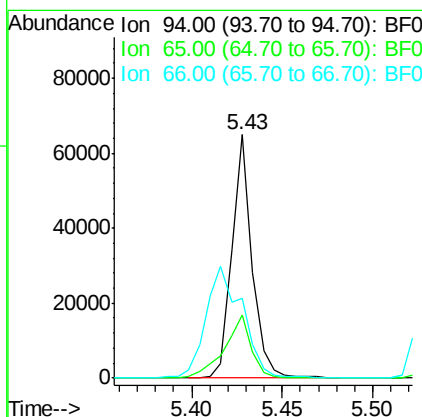
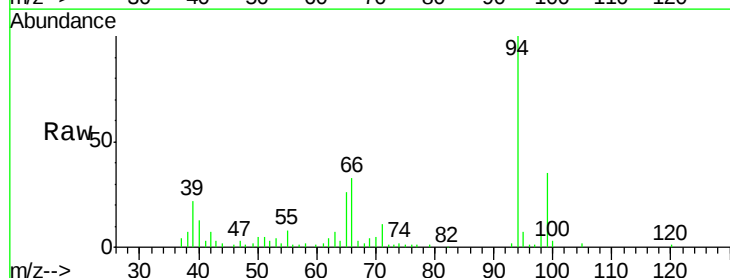
RT: 5.43 min Scan# 602

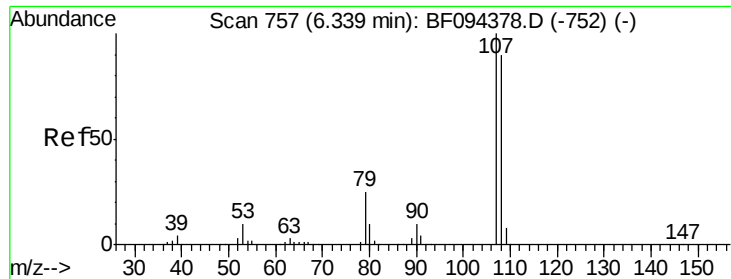
Delta R.T. -0.05 min

Lab File: BF094407.D

Acq: 13 Apr 2017 22:56

Tgt Ion:	94	Resp:	50686
Ion Ratio	Lower	Upper	
94	100		
65	26.0	9.9	49.9
66	33.0	23.1	63.1





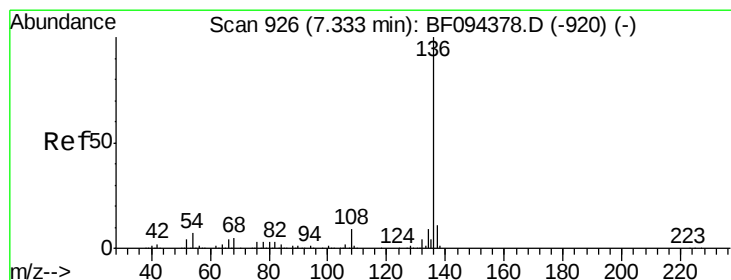
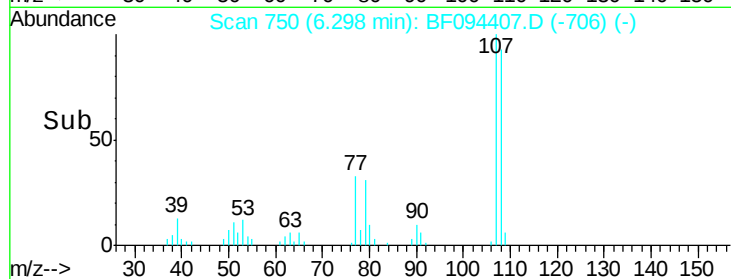
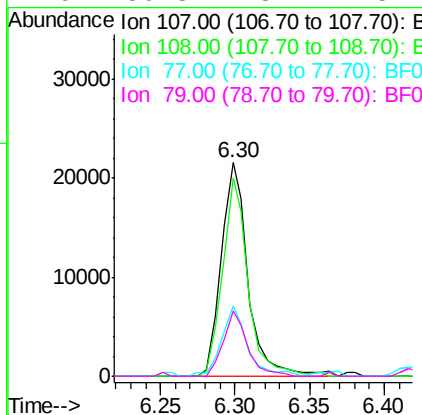
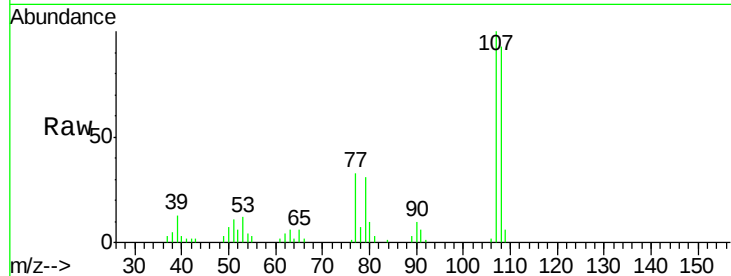
#20
3+4-Methylphenols
Concen: 2.65 ng
RT: 6.30 min Scan# 750
Delta R.T. -0.04 min
Lab File: BF094407.D
Acq: 13 Apr 2017 22:56

Instrument :
BNA_F
ClientSampleId :
AREA-3-COMP

Tot Ion:	107	Resp:	27229
Ion Ratio	Lower	Upper	
107	100		
108	93.1	71.0	111.0
77	33.0	90.5	130.5#
79	30.8	8.4	48.4

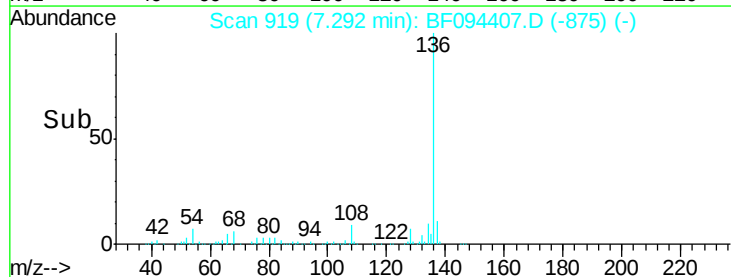
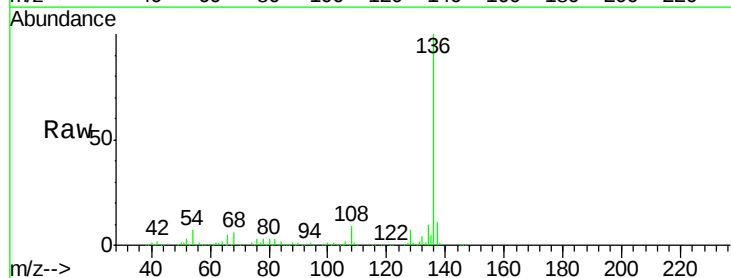
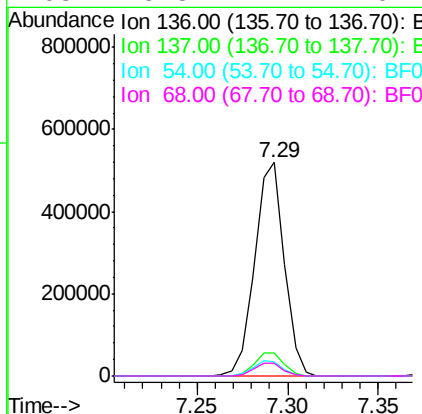
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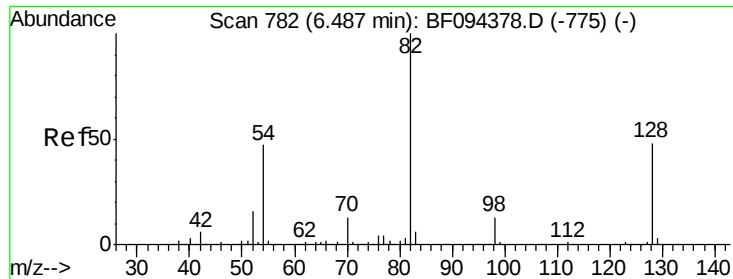
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.29 min Scan# 919
Delta R.T. -0.04 min
Lab File: BF094407.D
Acq: 13 Apr 2017 22:56

Tgt Ion:	136	Resp:	587801
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	6.7	4.9	7.3
68	5.8	4.1	6.1





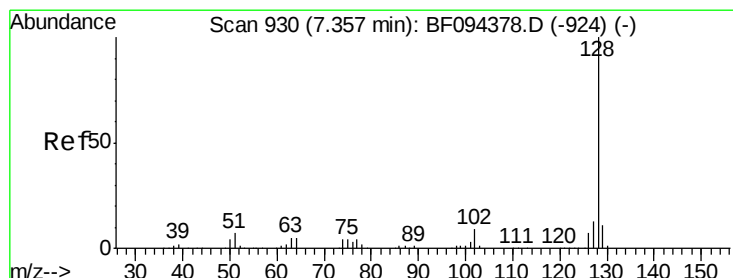
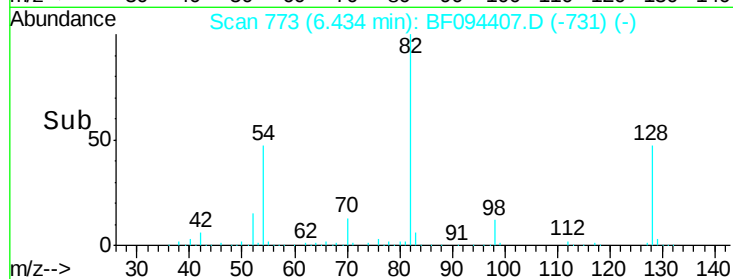
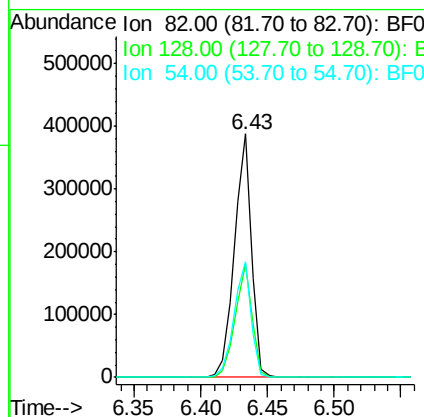
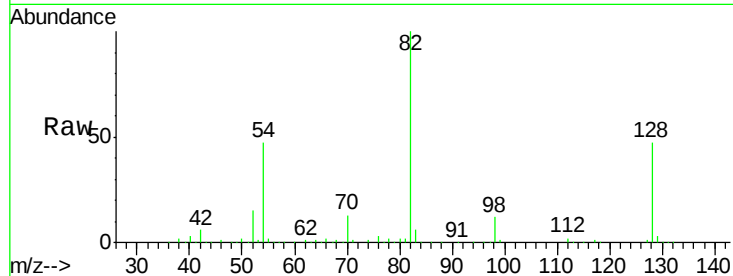
#23
 Nitrobenzene-d5
 Concen: 34.16 ng
 RT: 6.43 min Scan# 773
 Delta R.T. -0.05 min
 Lab File: BF094407.D
 Acq: 13 Apr 2017 22:56

Instrument :
 BNA_F
 ClientSampleId :
 AREA-3-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	34.0	51.0
54	47.4	42.2	63.2

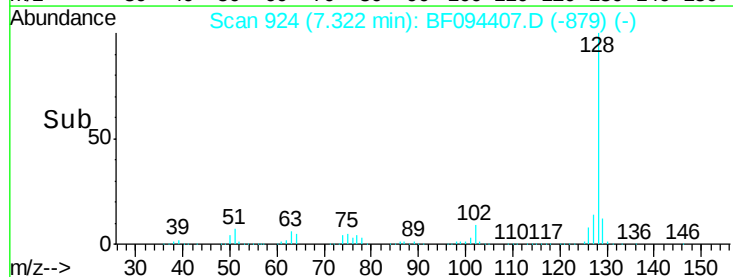
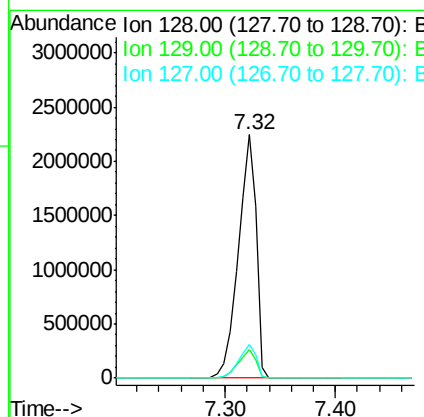
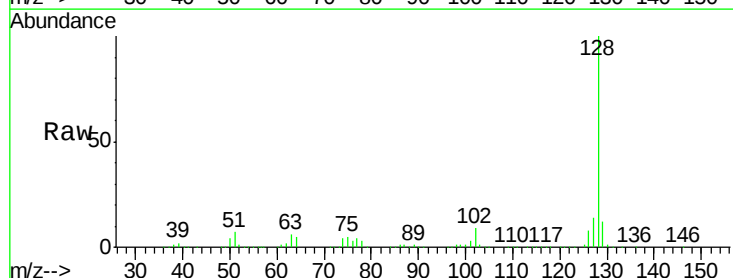
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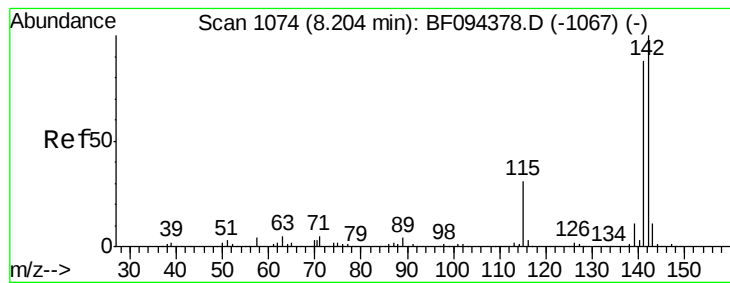
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#31
 Naphthalene
 Concen: 90.03 ng
 RT: 7.32 min Scan# 924
 Delta R.T. -0.04 min
 Lab File: BF094407.D
 Acq: 13 Apr 2017 22:56

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	13.9	10.8	16.2





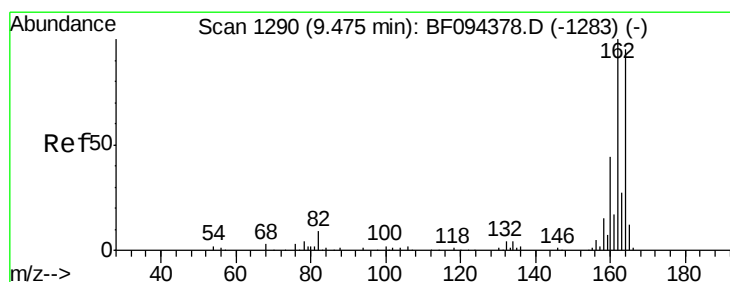
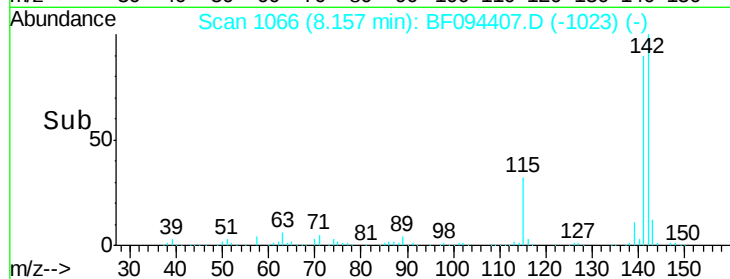
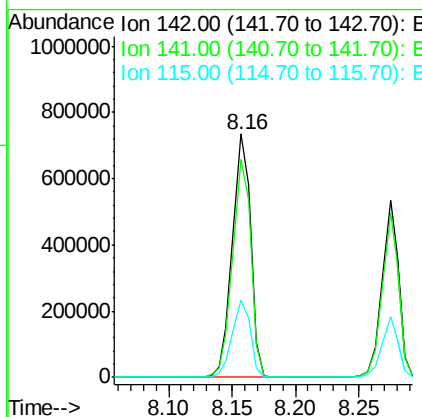
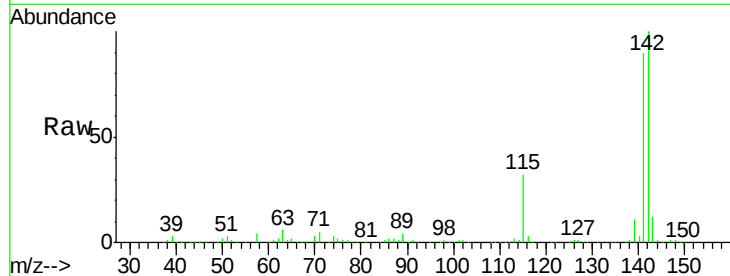
#37
 2-Methylnaphthalene
 Concen: 38.88 ng
 RT: 8.16 min Scan# 1066
 Delta R.T. -0.05 min
 Lab File: BF094407.D
 Acq: 13 Apr 2017 22:56

Instrument :
 BNA_F
 ClientSampleId :
 AREA-3-COMP

Tot Ion:	142	Resp:	732504
Ion Ratio	Lower	Upper	
142	100		
141	89.7	71.3	106.9
115	31.9	27.1	40.7

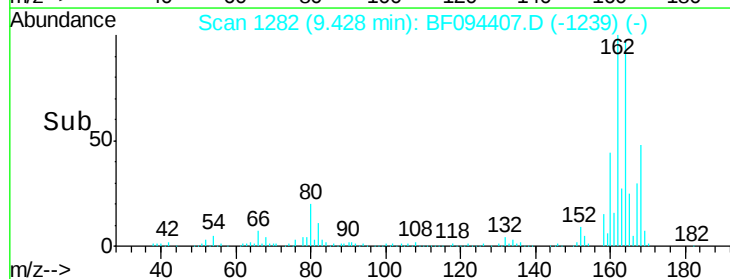
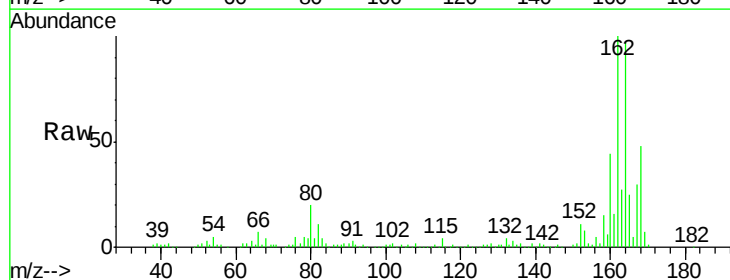
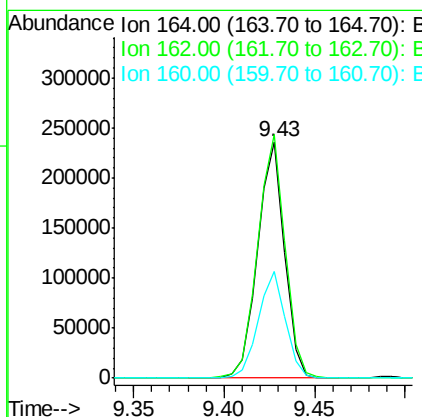
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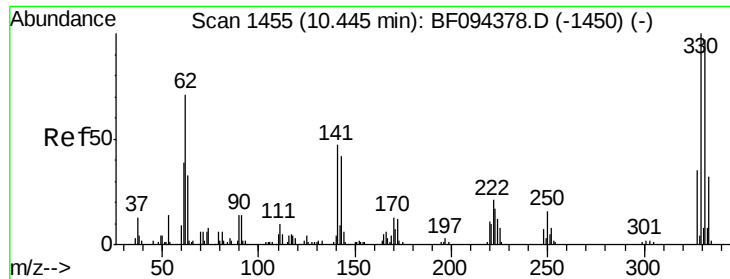
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.43 min Scan# 1282
 Delta R.T. -0.05 min
 Lab File: BF094407.D
 Acq: 13 Apr 2017 22:56

Tgt Ion:	164	Resp:	242171
Ion Ratio	Lower	Upper	
164	100		
162	103.1	82.6	123.8
160	45.1	36.2	54.2





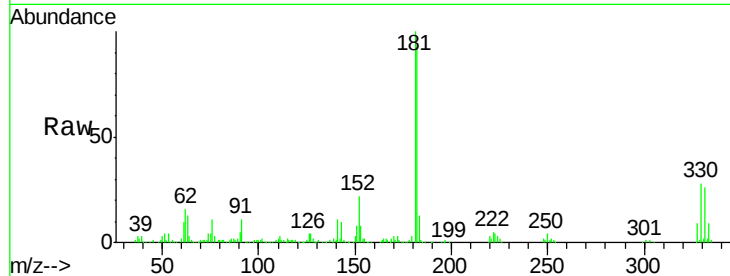
#41
 2,4,6-Tribromophenol
 Concen: 48.07 ng
 RT: 10.40 min Scan# 1448
 Delta R.T. -0.04 min
 Lab File: BF094407.D
 Acq: 13 Apr 2017 22:56

Instrument :
 BNA_F
 ClientSampleId :
 AREA-3-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.6	115.0
141	42.8	31.4	47.2

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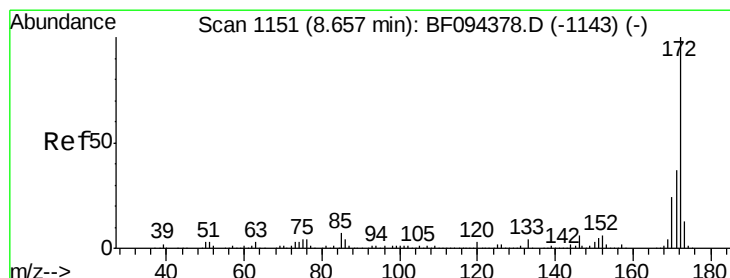
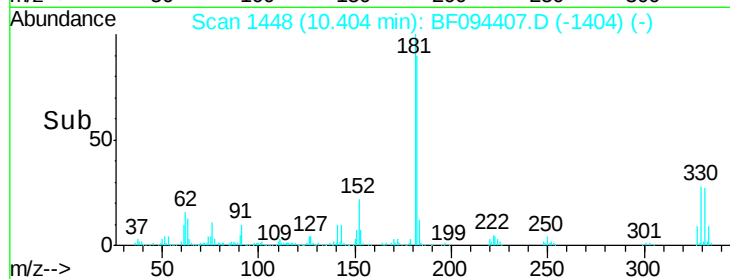
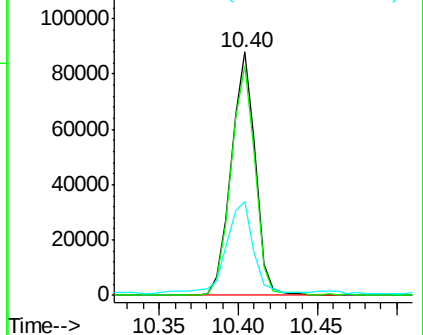


Abundance

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: 40.94 ng
 RT: 8.61 min Scan# 1143
 Delta R.T. -0.05 min
 Lab File: BF094407.D
 Acq: 13 Apr 2017 22:56

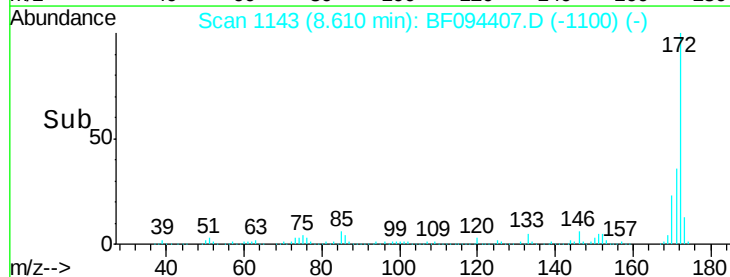
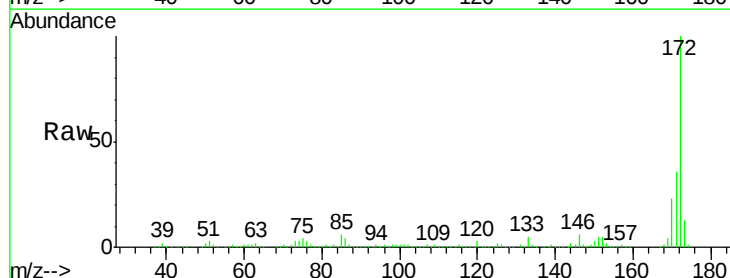
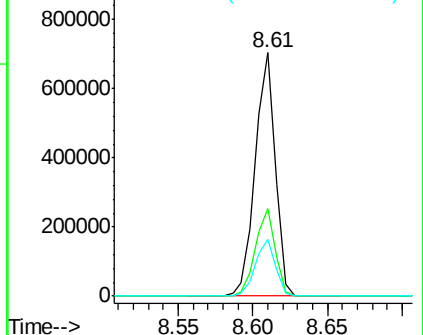
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.3	19.8	29.8

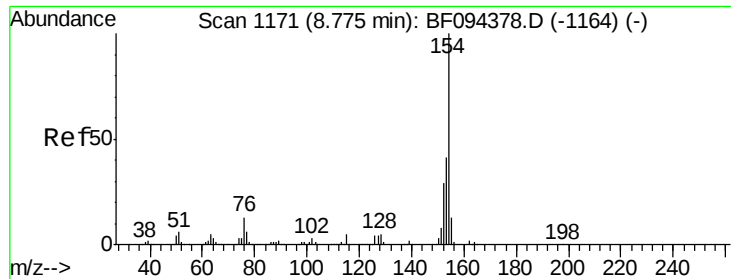
Abundance

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





#45

1,1'-Biphenyl

Concen: 15.00 ng

RT: 8.73 min Scan# 1163

Delta R.T. -0.05 min

Lab File: BF094407.D

Acq: 13 Apr 2017 22:56

Instrument :

BNA_F

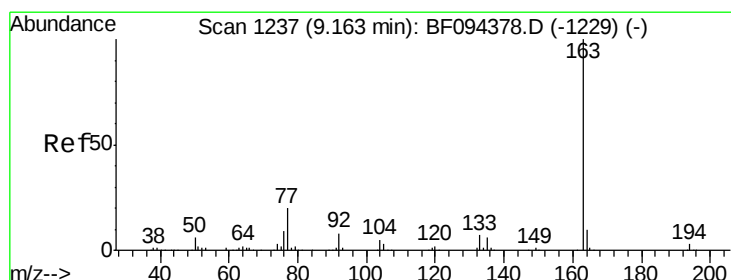
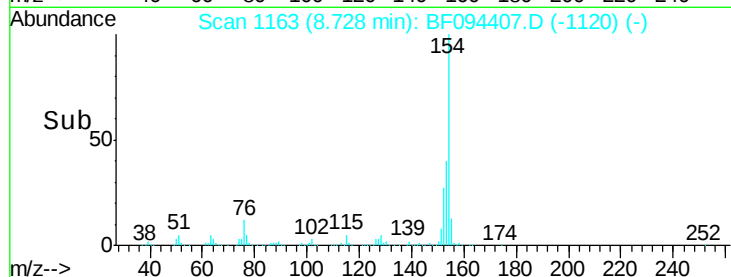
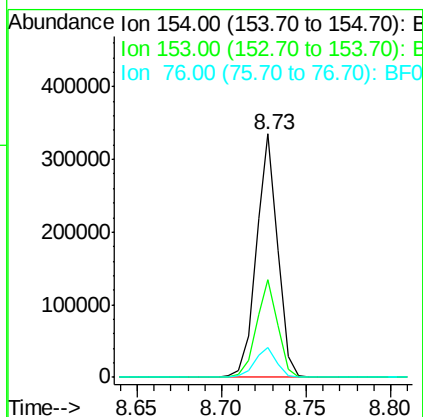
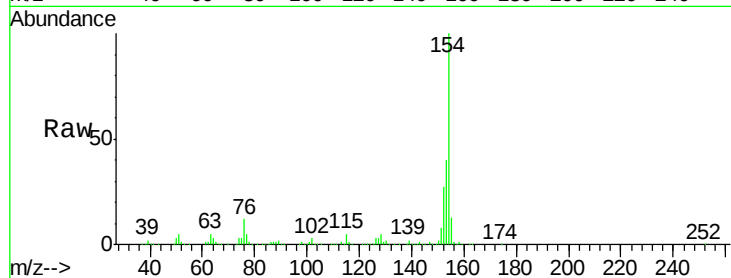
ClientSampleId :

AREA-3-COMP

Tot Ion:	154	Resp:	293079
Ion Ratio	Lower	Upper	
154	100		
153	40.4	21.2	61.2
76	12.3	0.0	29.9

Manual Integrations
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#49

Dimethylphthalate

Concen: 5.05 ng

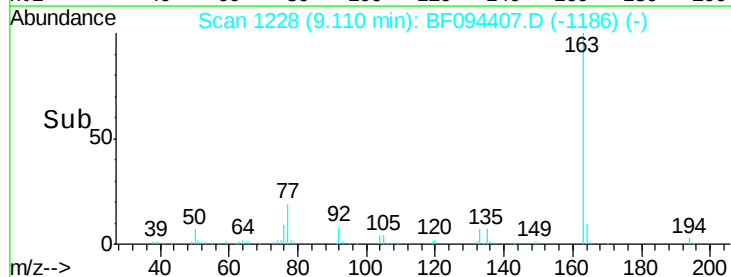
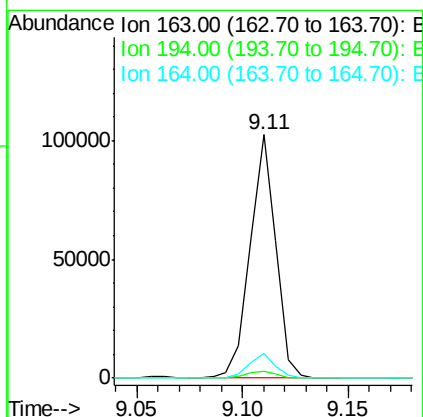
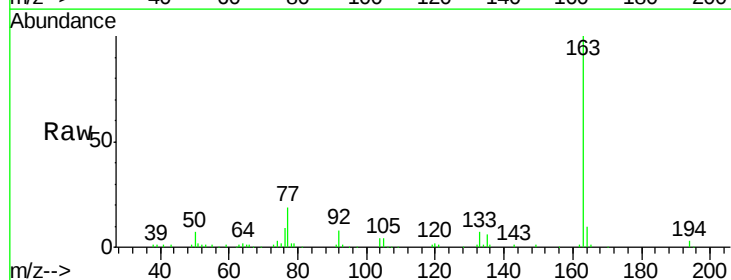
RT: 9.11 min Scan# 1228

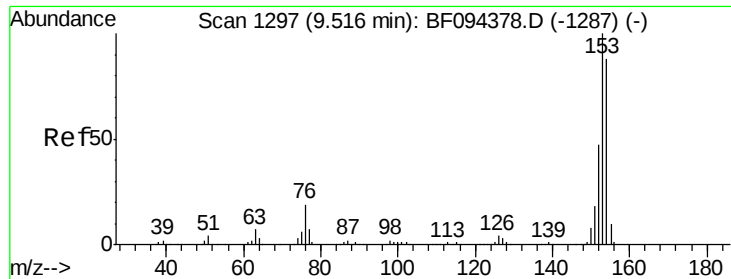
Delta R.T. -0.05 min

Lab File: BF094407.D

Acq: 13 Apr 2017 22:56

Tgt Ion:	163	Resp:	86983
Ion Ratio	Lower	Upper	
163	100		
194	2.8	2.6	4.0
164	9.9	8.4	12.6





#51

Acenaphthene

Concen: 83.28 ng

RT: 9.47 min Scan# 1290

Delta R.T. -0.04 min

Lab File: BF094407.D

Acq: 13 Apr 2017 22:56

Instrument :

BNA_F

ClientSampleId :

AREA-3-COMP

Tot Ion:154 Resp: 1234956

Ion Ratio Lower Upper

154 100

153 113.4 90.5 135.7

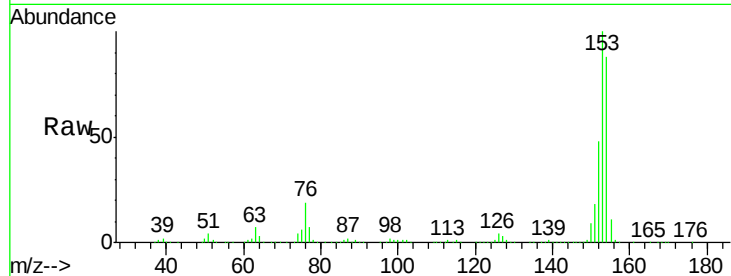
152 54.4 43.6 65.4

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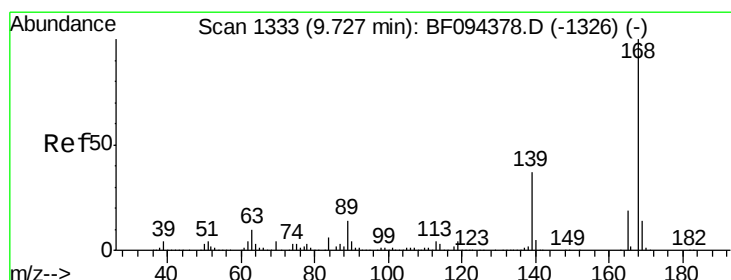
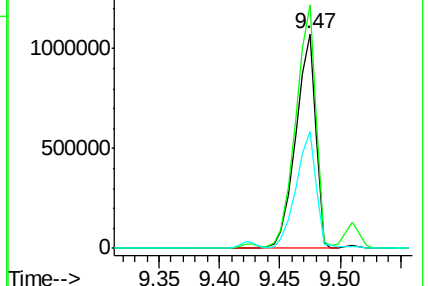
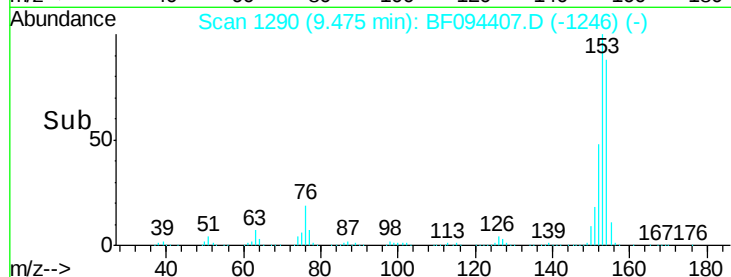
4/14/2017 1:36:43 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 69.99 ng

RT: 9.69 min Scan# 1326

Delta R.T. -0.04 min

Lab File: BF094407.D

Acq: 13 Apr 2017 22:56

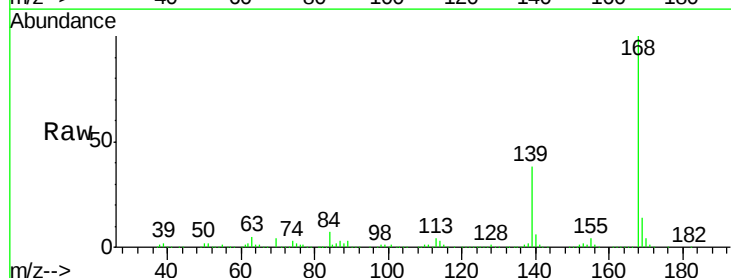
Tgt Ion:168 Resp: 1412703

Ion Ratio Lower Upper

168 100

139 38.2 30.6 45.8

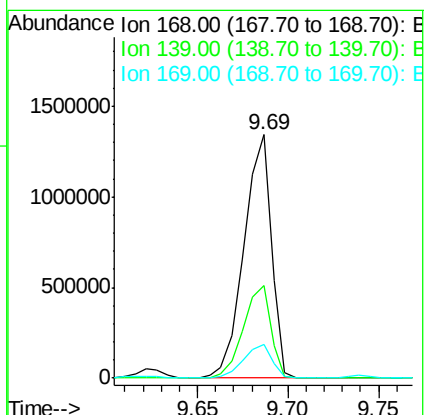
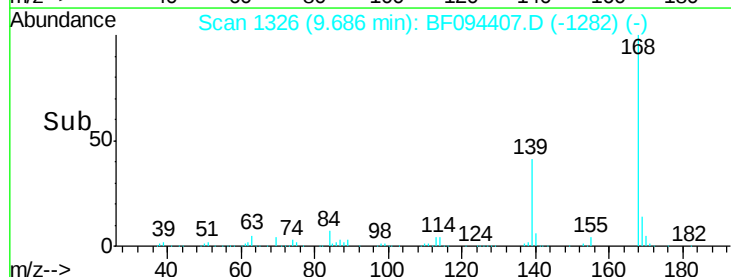
169 13.9 10.8 16.2

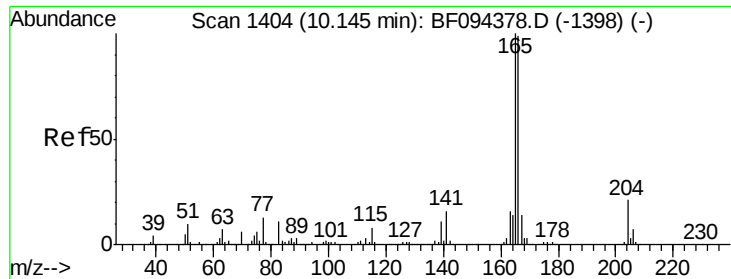


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





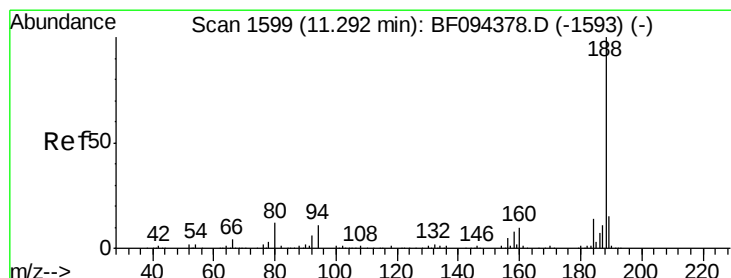
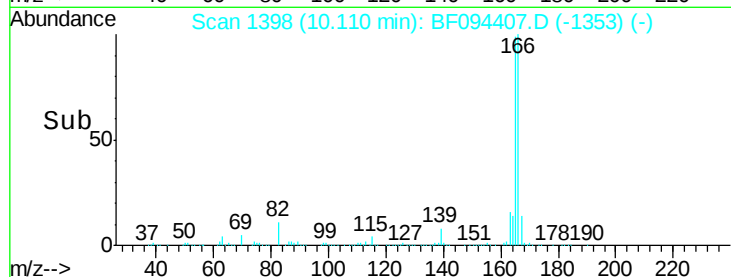
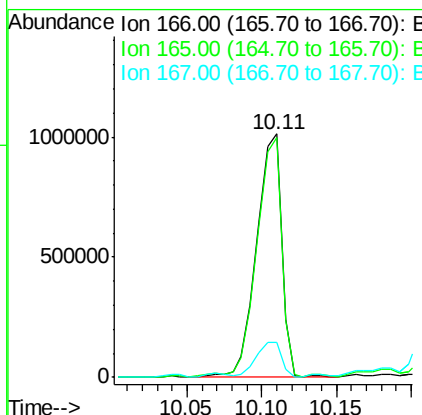
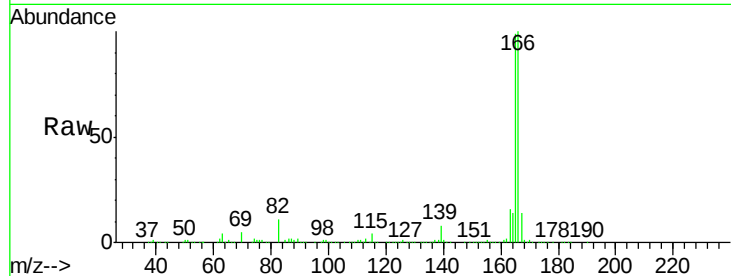
#57
Fluorene
 Concen: 69.57 ng
 RT: 10.11 min Scan# 1398
 Delta R.T. -0.04 min
 Lab File: BF094407.D
 Acq: 13 Apr 2017 22:56

Instrument :
 BNA_F
 ClientSampleId :
 AREA-3-COMP

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.8	118.2
167	14.3	10.6	16.0

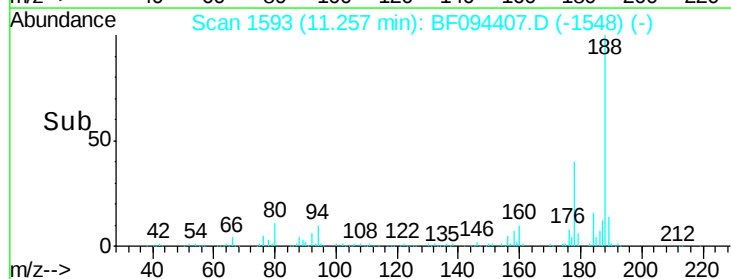
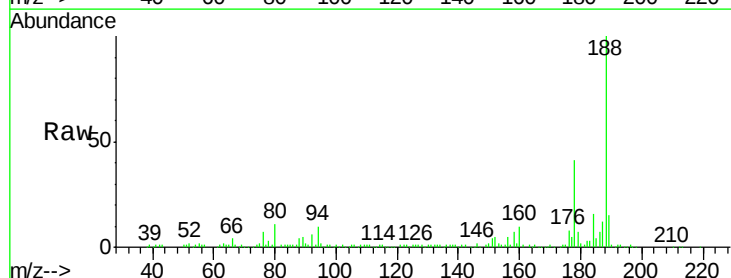
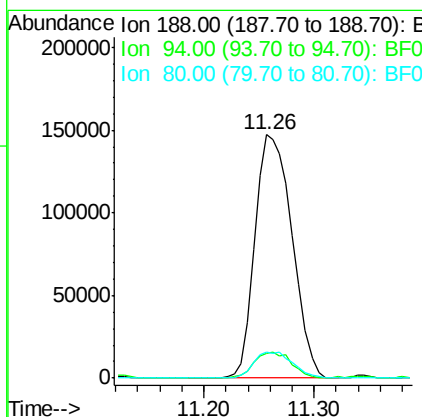
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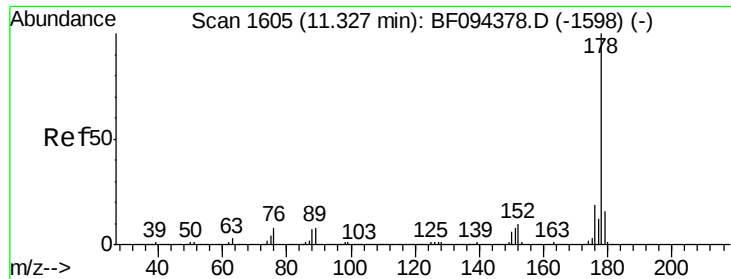
mohammad
 4/14/2017 1:36:43 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 1593
 Delta R.T. -0.04 min
 Lab File: BF094407.D
 Acq: 13 Apr 2017 22:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.4	14.2
80	10.7	10.2	15.2





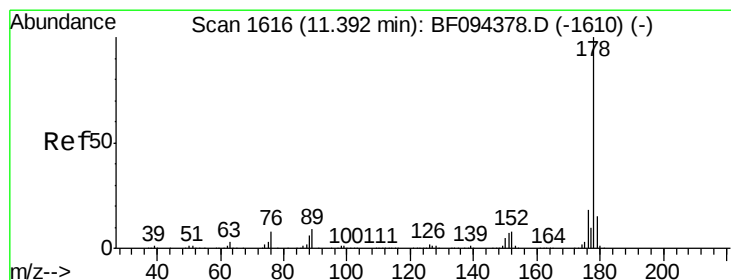
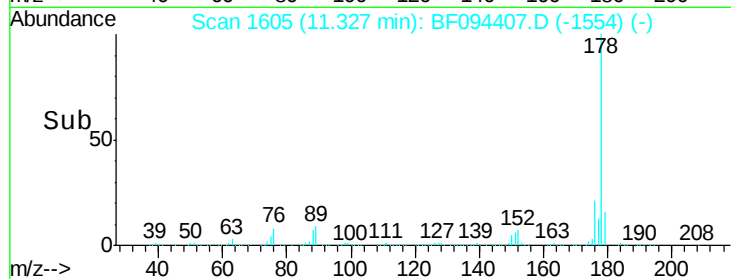
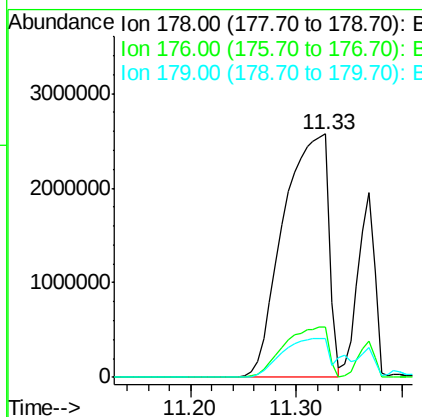
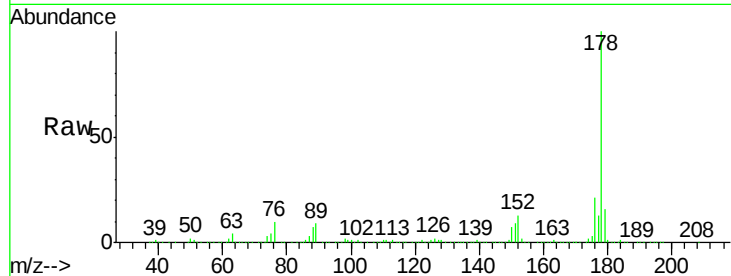
#70
Phenanthrene
Concen: 397.83 ng
RT: 11.33 min Scan# 1605
Delta R.T. 0.00 min
Lab File: BF094407.D
Acq: 13 Apr 2017 22:56

Instrument :
BNA_F
ClientSampleId :
AREA-3-COMP

Tot Ion:178 Resp: 7638246
Ion Ratio Lower Upper
178 100
176 20.6 16.2 24.4
179 16.1 12.6 19.0

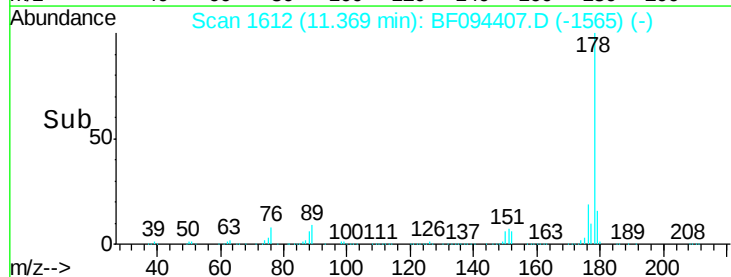
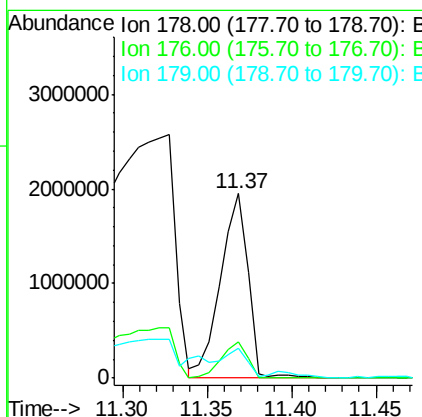
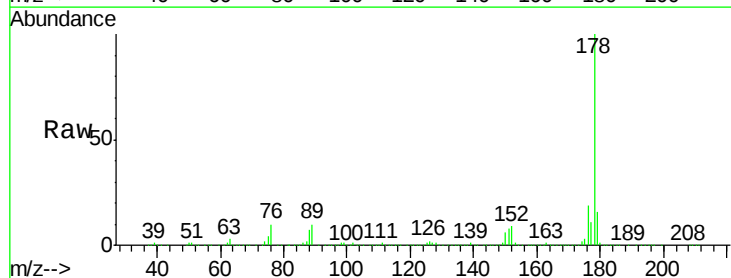
Manual Integrations
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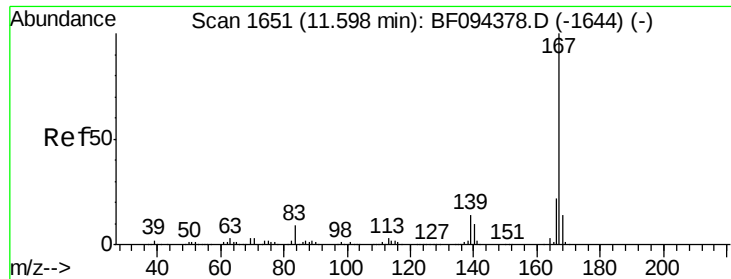
mohammad
4/14/2017 1:36:43 PM



#71
Anthracene
Concen: 110.95 ng
RT: 11.37 min Scan# 1612
Delta R.T. -0.02 min
Lab File: BF094407.D
Acq: 13 Apr 2017 22:56

Tgt Ion:178 Resp: 2193265
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 16.2 12.7 19.1





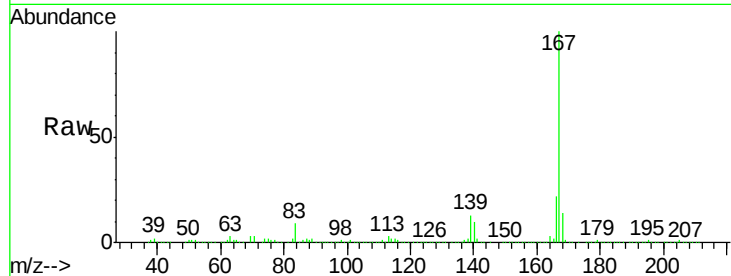
#72
 Carbazole
 Concen: 64.06 ng
 RT: 11.56 min Scan# 1644
 Delta R.T. -0.04 min
 Lab File: BF094407.D
 Acq: 13 Apr 2017 22:56

Instrument :
 BNA_F
 ClientSampled :
 AREA-3-COMP

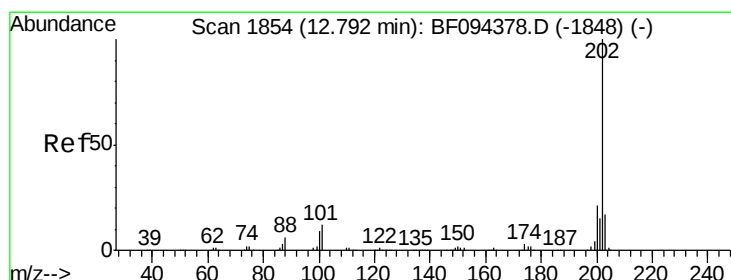
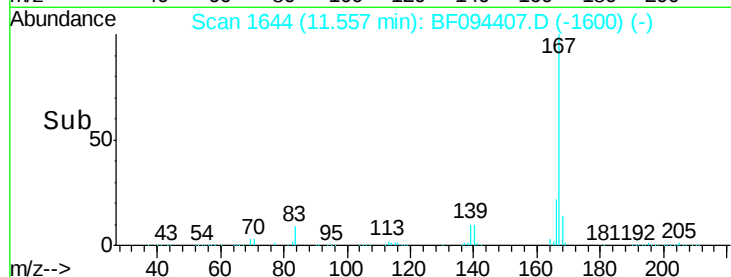
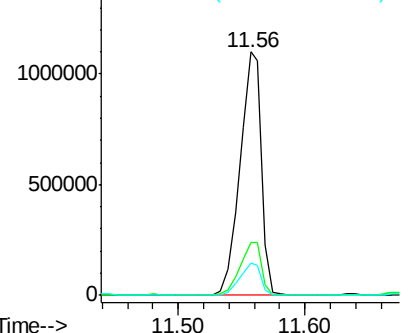
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.1	27.1
139	13.3	11.7	17.5

Manual Integrations
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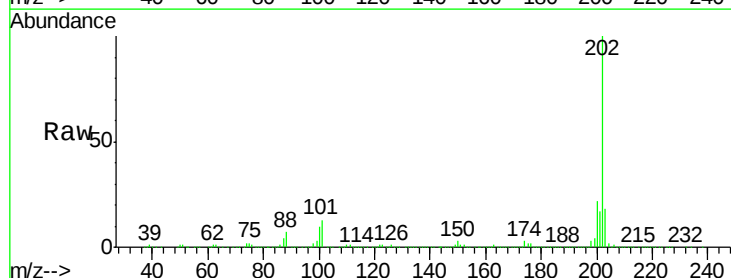


Abundance Ion 167.00 (166.70 to 167.70): E
 1500000
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

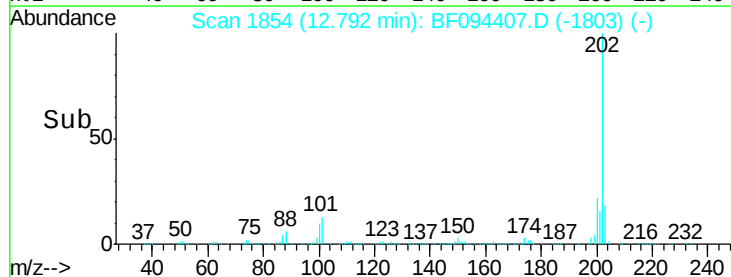
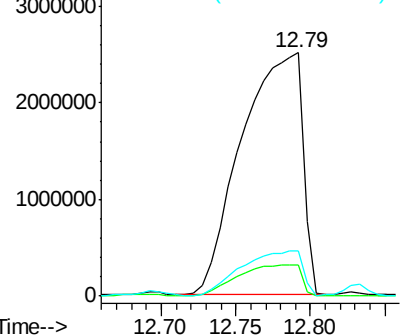


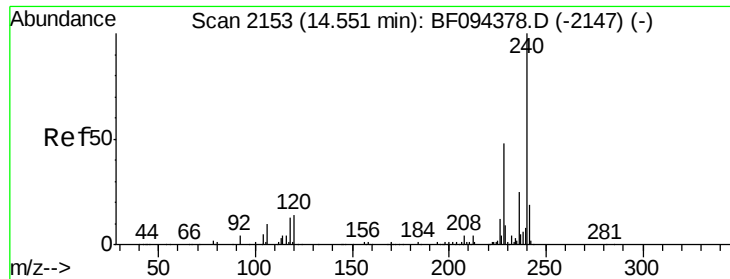
#74
 Fluoranthene
 Concen: 363.45 ng
 RT: 12.79 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: BF094407.D
 Acq: 13 Apr 2017 22:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
203	18.5	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 3000000
 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: 14.53 min Scan# 2149

Delta R.T. -0.02 min

Lab File: BF094407.D

Acq: 13 Apr 2017 22:56

Instrument :

BNA_F

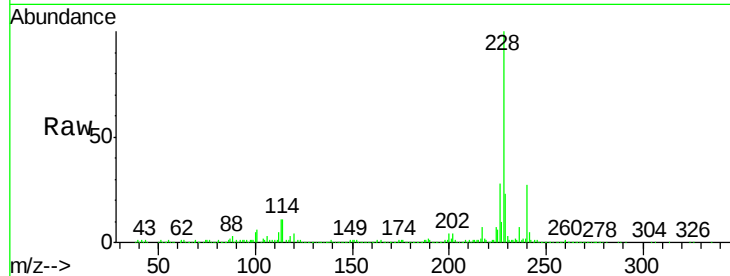
ClientSampleId :

AREA-3-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.8	5.8	8.8#
236	25.9	20.5	30.7

Manual Integrations
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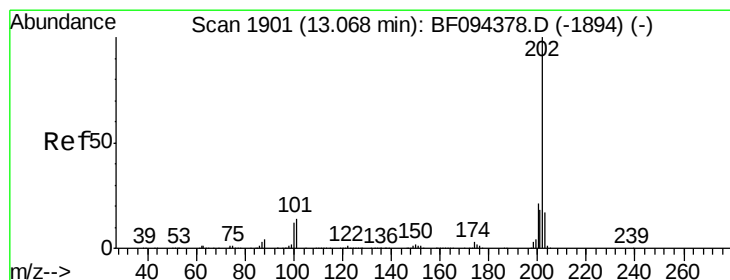
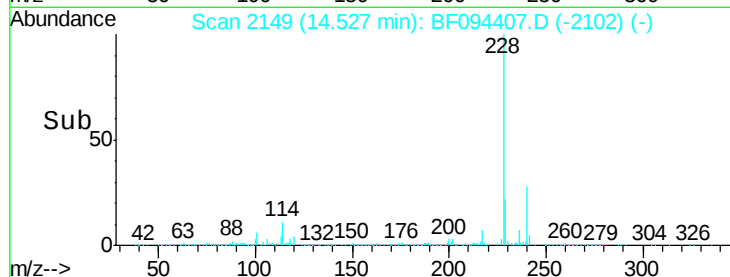
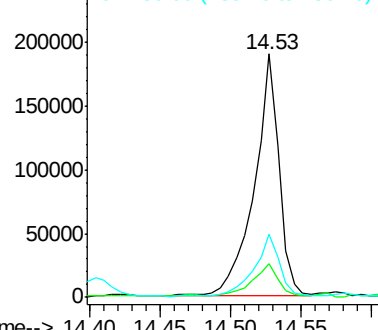


Abundance

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

Pyrene

Concen: 354.24 ng

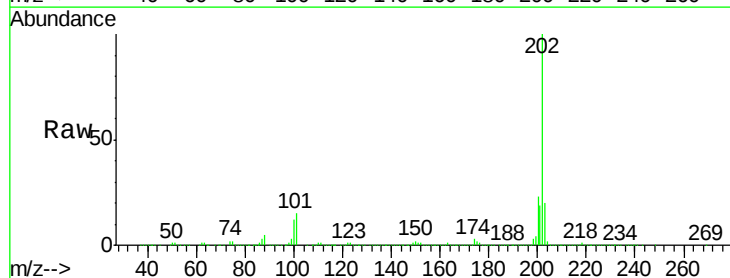
RT: 13.07 min Scan# 1901

Delta R.T. 0.00 min

Lab File: BF094407.D

Acq: 13 Apr 2017 22:56

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.7	17.6	26.4
203	19.6	14.4	21.6

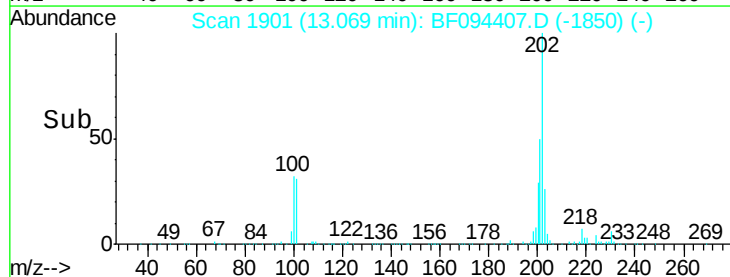
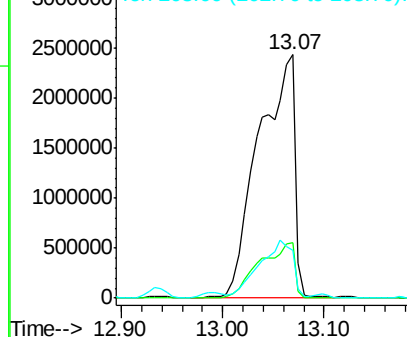


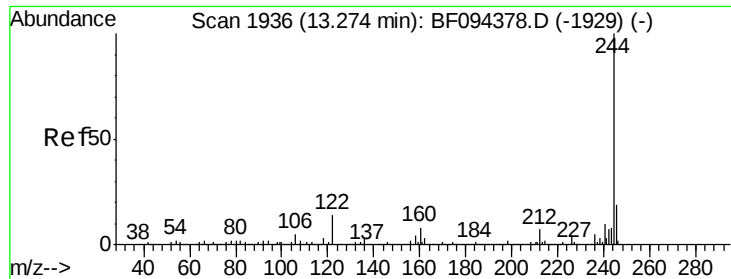
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





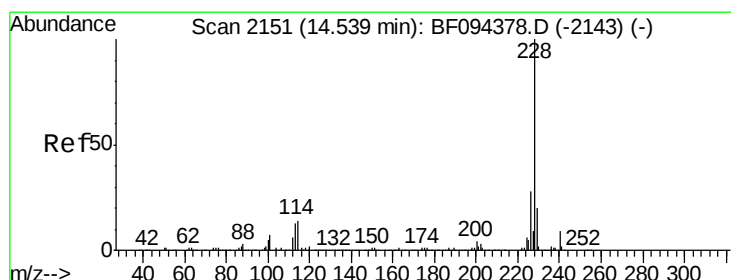
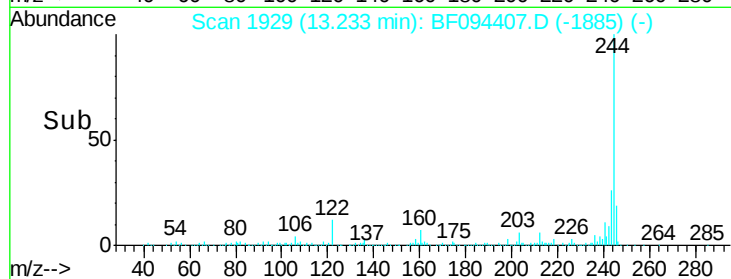
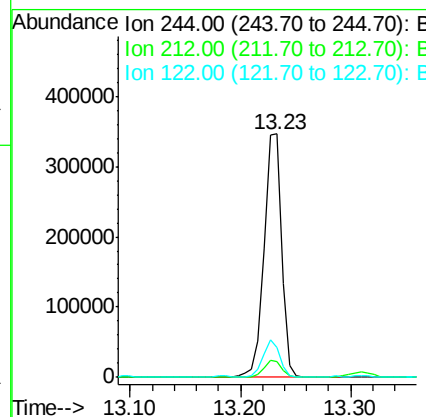
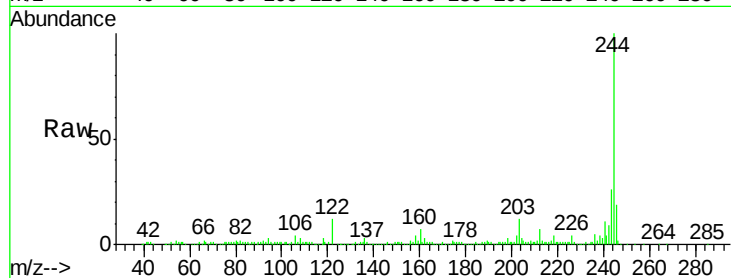
#78
 Terphenyl-d14
 Concen: 37.60 ng
 RT: 13.23 min Scan# 1929
 Delta R.T. -0.04 min
 Lab File: BF094407.D
 Acq: 13 Apr 2017 22:56

Instrument :
 BNA_F
 ClientSampleId :
 AREA-3-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	12.3	10.3	15.5

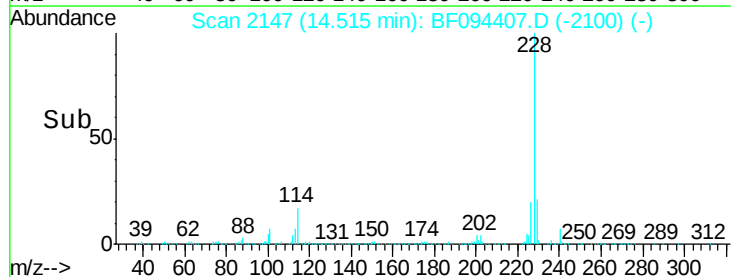
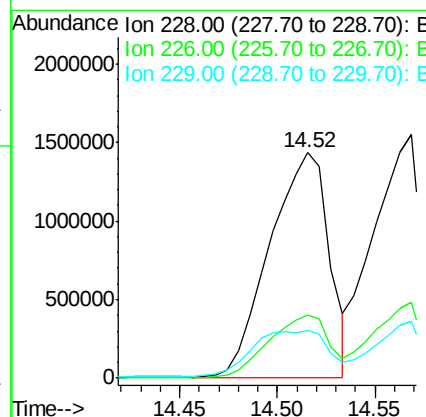
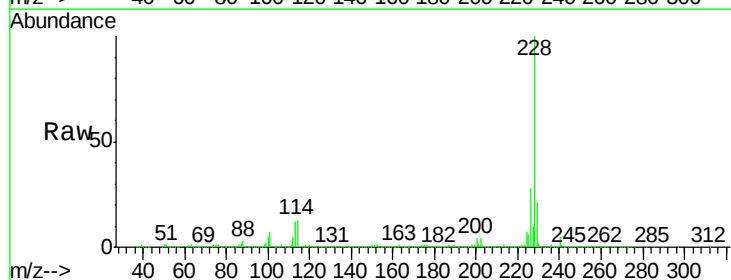
Manual Integrations
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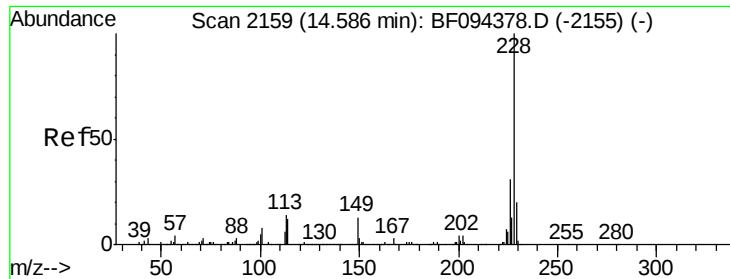
mohammad
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#80
 Benzo(a)anthracene
 Concen: 221.19 ng
 RT: 14.52 min Scan# 2147
 Delta R.T. -0.02 min
 Lab File: BF094407.D
 Acq: 13 Apr 2017 22:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	21.0	16.3	24.5





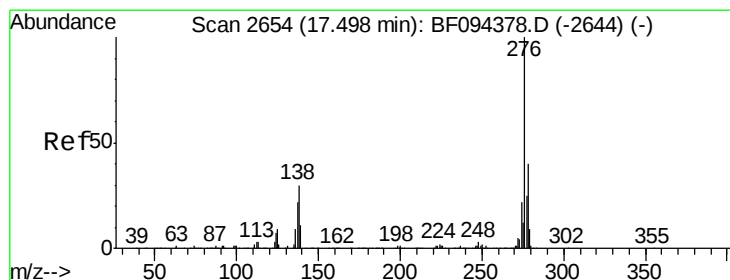
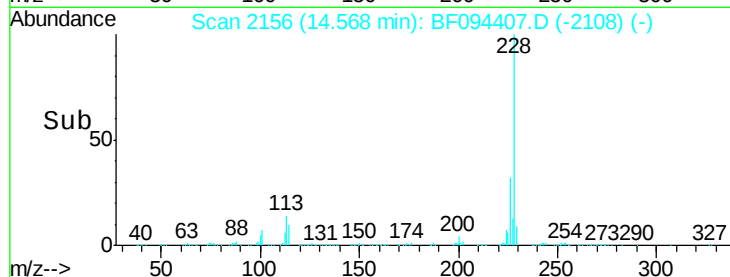
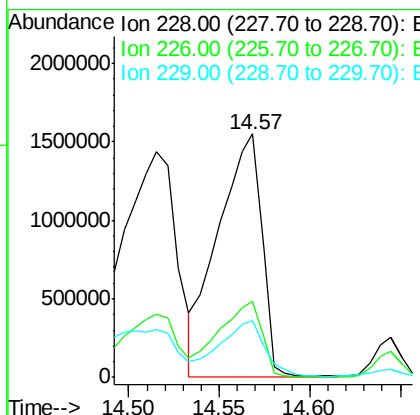
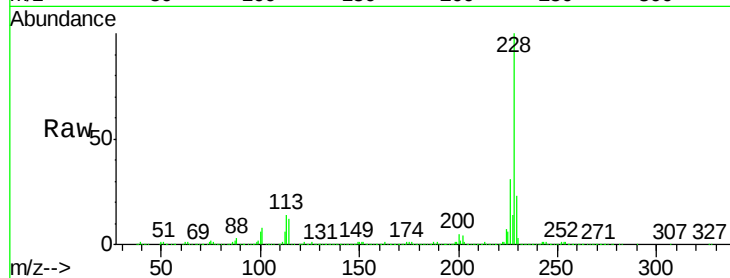
#82
Chrysene
Concen: 206.81 ng
RT: 14.57 min Scan# 2156
Delta R.T. -0.02 min
Lab File: BF094407.D
Acq: 13 Apr 2017 22:56

Instrument :
BNA_F
ClientSampleId :
AREA-3-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.9	37.3
229	23.5	15.8	23.6

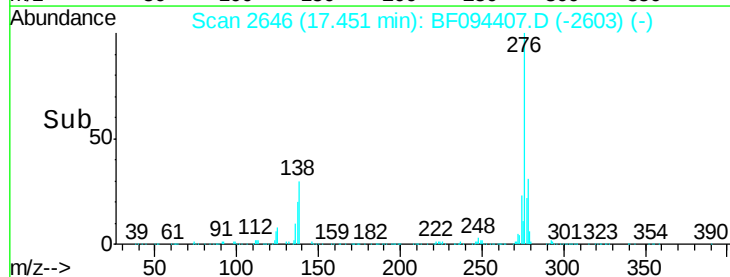
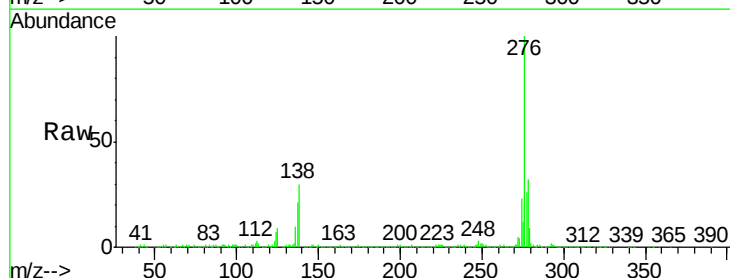
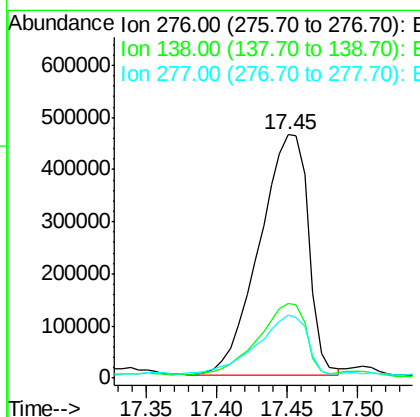
Manual Integrations
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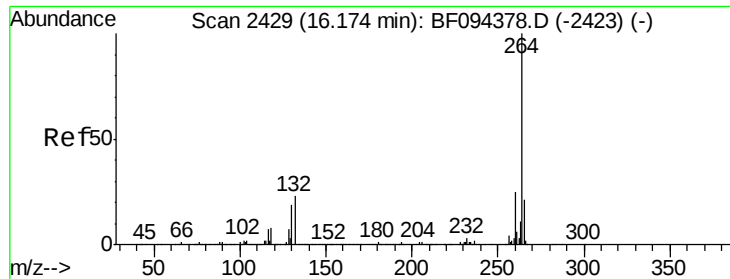
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 102.32 ng
RT: 17.45 min Scan# 2646
Delta R.T. -0.05 min
Lab File: BF094407.D
Acq: 13 Apr 2017 22:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.8	27.8	41.6
277	28.2	20.2	30.4





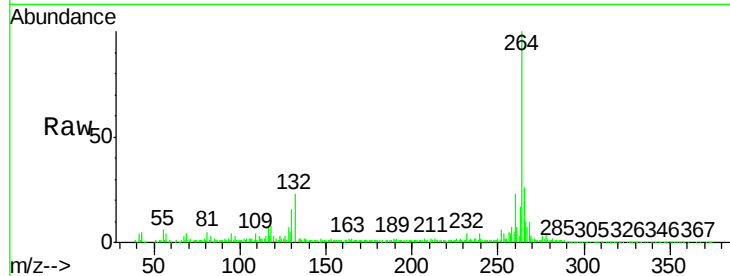
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.14 min Scan# 2424
Delta R.T. -0.03 min
Lab File: BF094407.D
Acq: 13 Apr 2017 22:56

Instrument :
BNA_F
ClientSampleId :
AREA-3-COMP

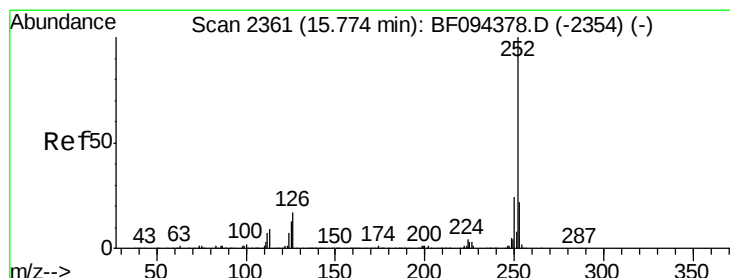
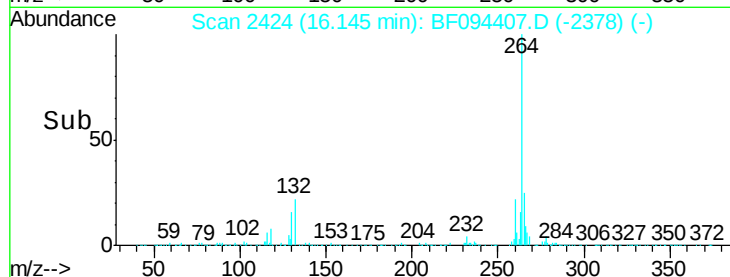
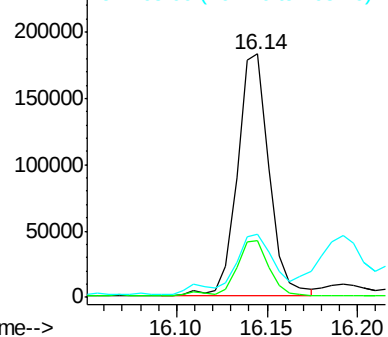
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	25.8	17.2	25.8

Manual Integrations
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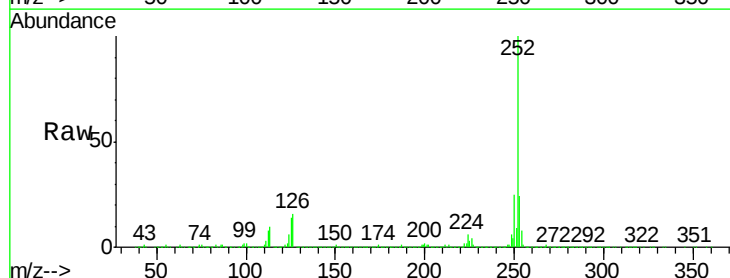


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

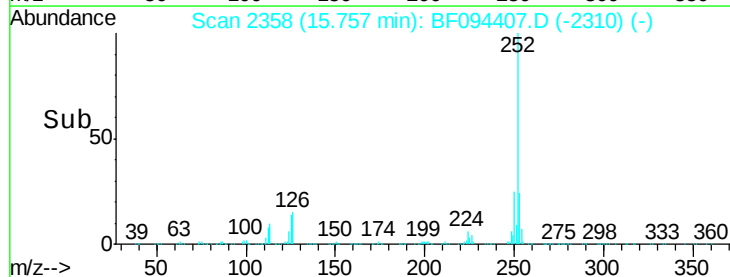
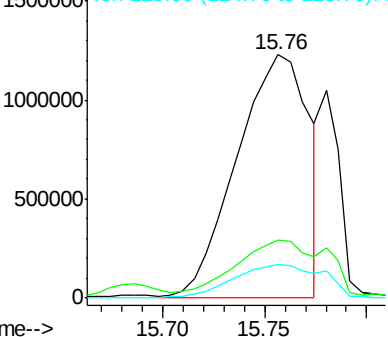


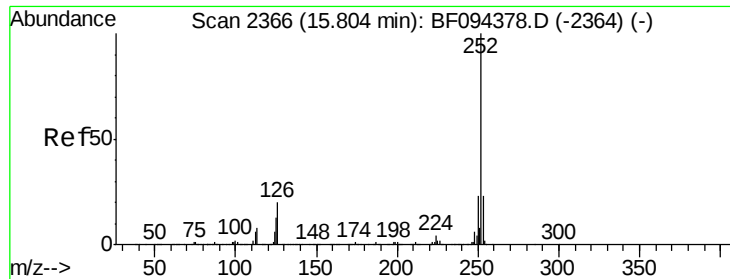
#87
Benzo(b)fluoranthene
Concen: 222.85 ng m
RT: 15.76 min Scan# 2358
Delta R.T. -0.02 min
Lab File: BF094407.D
Acq: 13 Apr 2017 22:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	13.9	9.8	14.8



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





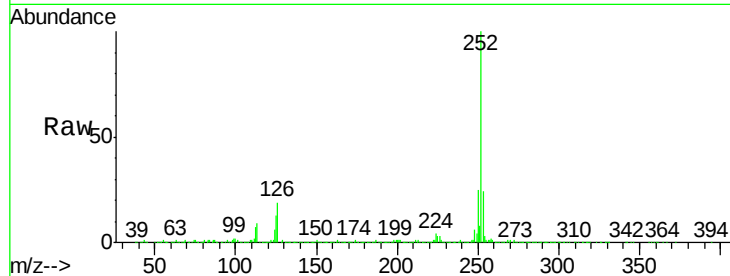
#88
Benzo(k)fluoranthene
Concen: 51.93 ng m
RT: 15.78 min Scan# 2362
Delta R.T. -0.02 min
Lab File: BF094407.D
Acq: 13 Apr 2017 22:56

Instrument :
BNA_F
ClientSampleId :
AREA-3-COMP

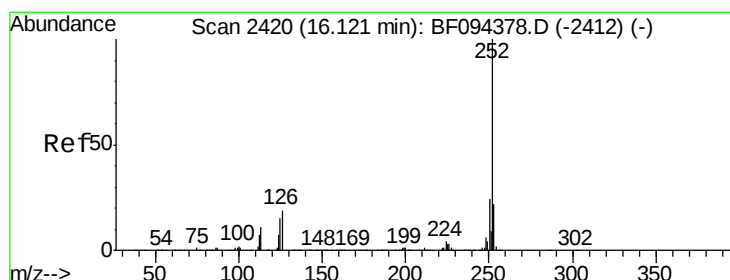
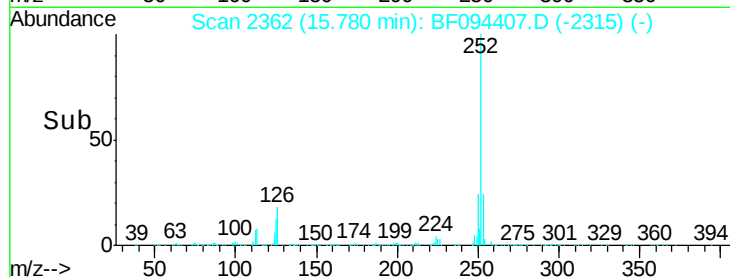
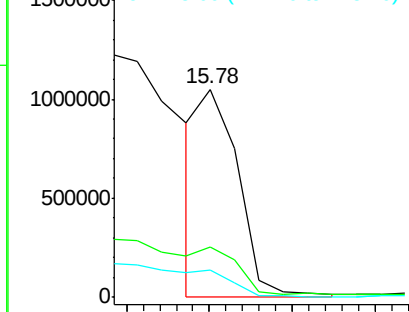
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	13.3	13.1	19.7

Manual Integrations
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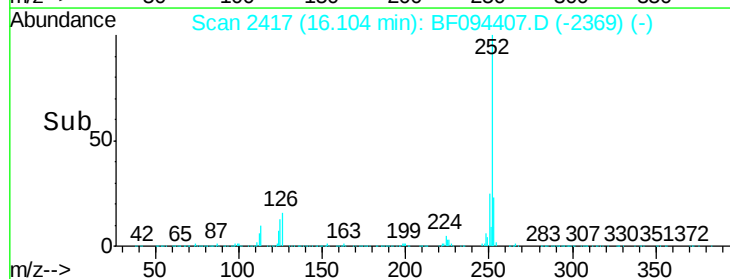
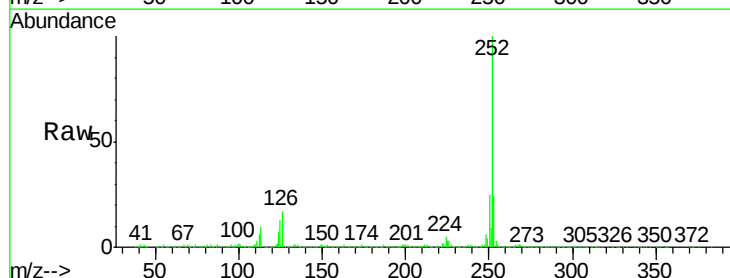
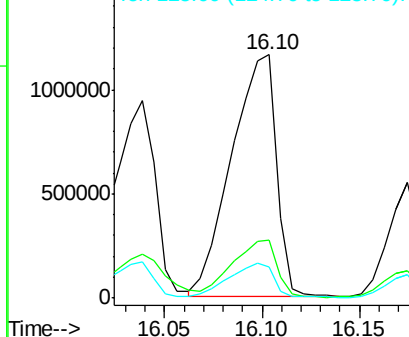
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

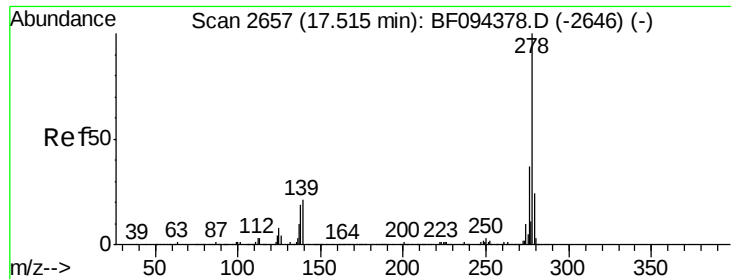


#89
Benzo(a)pyrene
Concen: 147.18 ng
RT: 16.10 min Scan# 2417
Delta R.T. -0.02 min
Lab File: BF094407.D
Acq: 13 Apr 2017 22:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	12.9	11.0	16.4

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





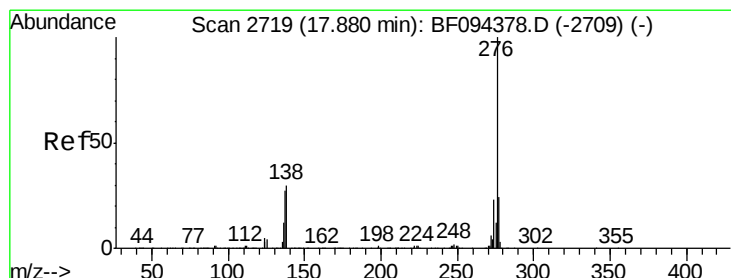
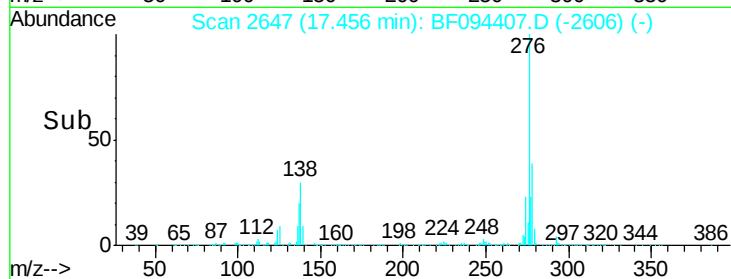
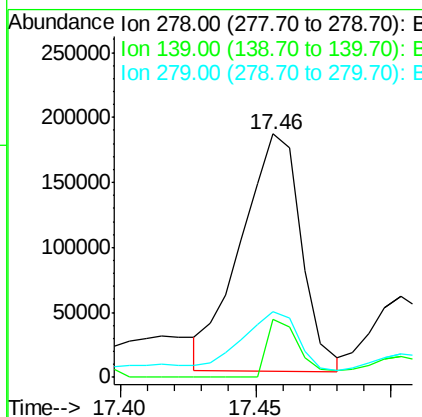
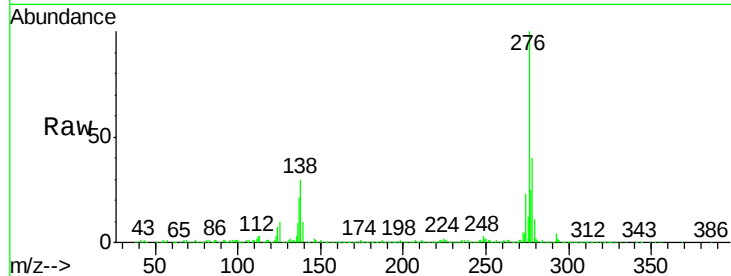
#90
Dibenzo(a,h)anthracene
Concen: 26.82 ng/ml
RT: 17.46 min Scan# 2647
Delta R.T. -0.06 min
Lab File: BF094407.D
Acq: 13 Apr 2017 22:56

Instrument :
BNA_F
ClientSampleId :
AREA-3-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.8	16.6	24.8
279	27.0	19.3	28.9

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 100.14 ng/ml
RT: 17.84 min Scan# 2712
Delta R.T. -0.04 min
Lab File: BF094407.D
Acq: 13 Apr 2017 22:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	28.0
138	29.6	25.4	38.0

