

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096277.D
 Acq On : 29 Jun 2017 5:04
 Operator : SJ/MA
 Sample : I3843-02
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q10-BASE

Manual Integrations
 APPROVED

mohammad
 6/29/2017 6:00:02 PM

Quant Time: Jun 29 17:42:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	147783	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	582378	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	223611	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	370158	20.00	ng	0.01
75) Chrysene-d12	13.93	240	343046	20.00	ng	0.01
86) Perylene-d12	15.35	264	245728	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1164794	113.55	ng	0.02
7) Phenol-d6	6.42	99	1389044	111.83	ng	0.02
23) Nitrobenzene-d5	7.34	82	744634	88.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	263600	149.79	ng	0.01
44) 2-Fluorobiphenyl	9.14	172	1079684	88.43	ng	-0.01
78) Terphenyl-d14	12.88	244	865271	62.94	ng	0.01
Target Compounds						Qvalue
10) Phenol	6.43	94	81782	5.99	ng	85
11) bis(2-Chloroethyl)ether	6.52	93	56342	5.04	ng	91
17) 2-Methylphenol	7.03	107	123059	14.10	ng	93
20) 3+4-Methylphenols	7.19	107	185150	18.60	ng	# 59
27) 2,4-Dimethylphenol	7.73	122	184446	21.37	ng	# 89
49) Dimethylphthalate	9.53	163	268214	16.76	ng	99
74) Fluoranthene	12.50	202	149746	7.28	ng	96
77) Pyrene	12.73	202	138918	4.93	ng	97
80) Benzo(a)anthracene	13.92	228	54998	2.63	ng	97
82) Chrysene	13.95	228	59556	2.75	ng	96
87) Benzo(b)fluoranthene	14.94	252	56665m	3.51	ng	
89) Benzo(a)pyrene	15.29	252	35695	2.50	ng	# 88

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

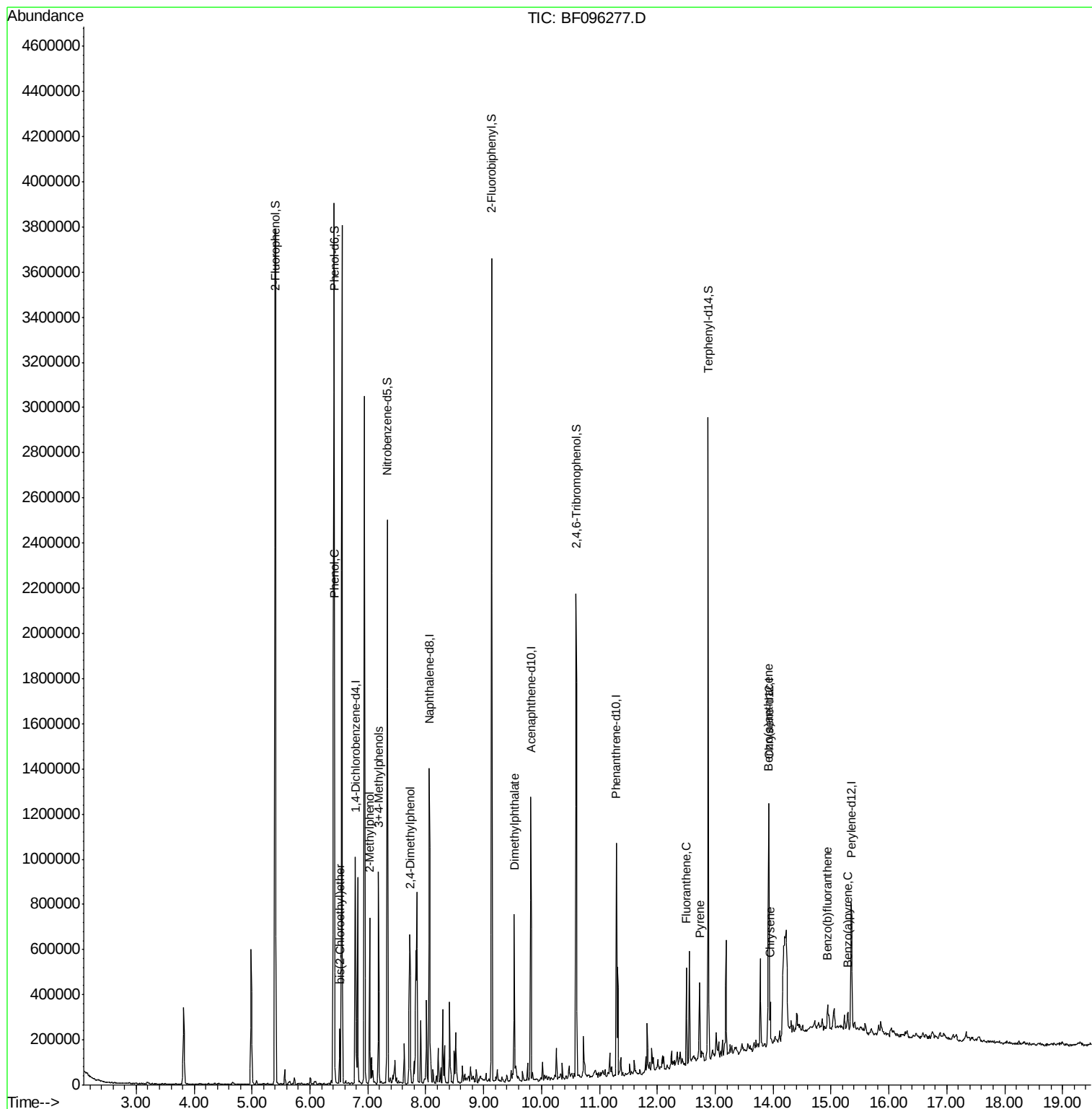
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096277.D
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Operator : SJ/MA
Sample : I3843-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

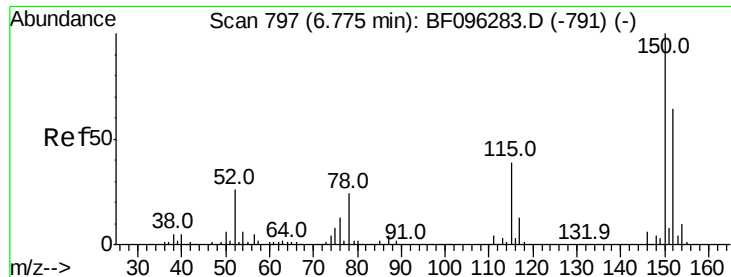
Instrument :
BNA_F
ClientSampleId :
E2-Q10-BASE

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

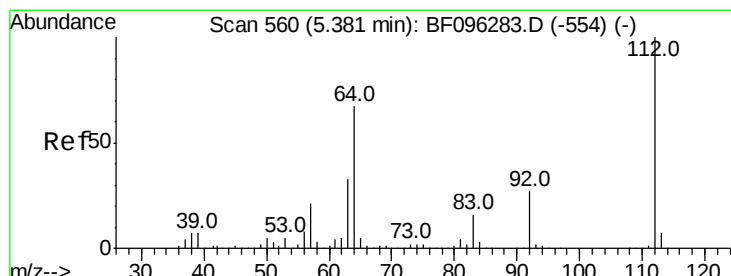
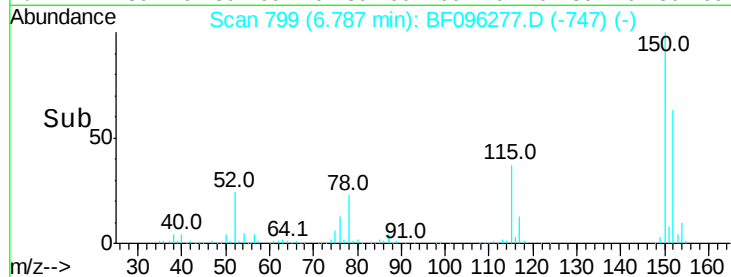
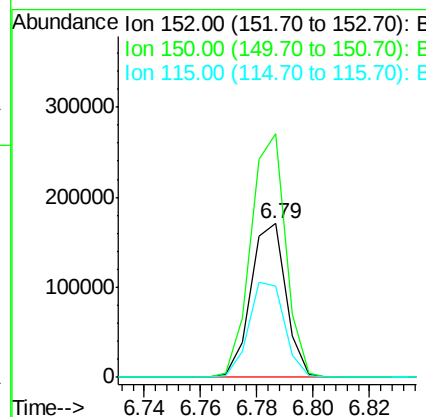
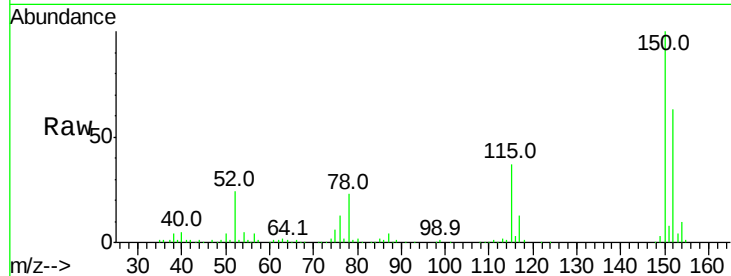
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.01 min
Lab File: BF096277.D
Acq: 29 Jun 2017 5:04

Instrument :
BNA_F
ClientSampleId :
E2-Q10-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.2	189.2
115	59.0	52.2	78.2

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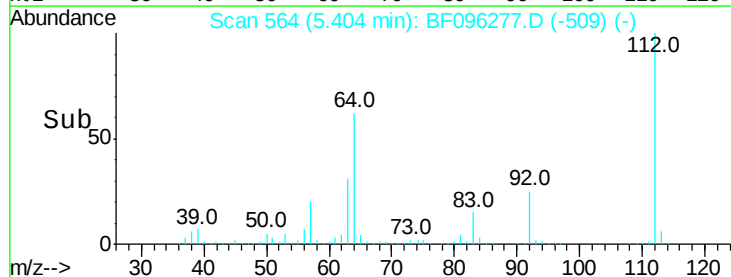
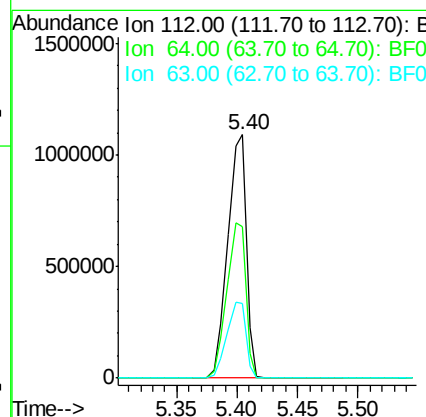
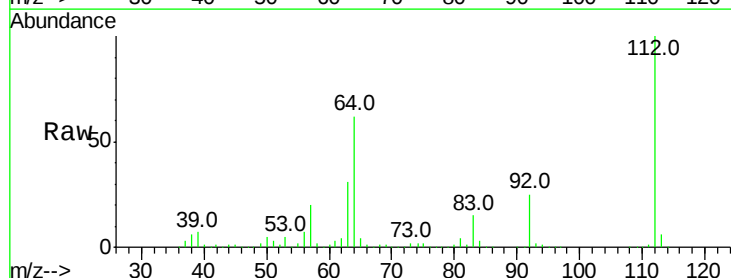
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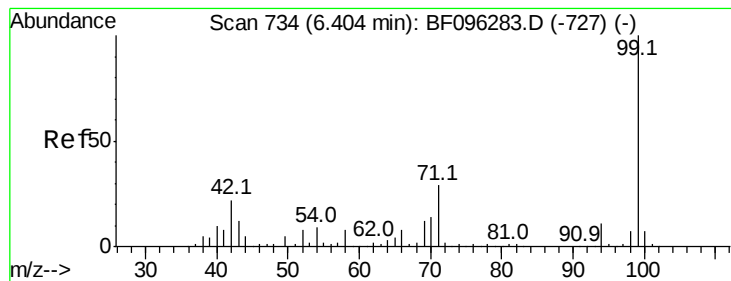


#5

2-Fluorophenol
Concen: 113.55 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.02 min
Lab File: BF096277.D
Acq: 29 Jun 2017 5:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	46.0	69.0
63	30.7	23.4	35.0





#7

Phenol-d6

Concen: 111.83 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.02 min

Lab File: BF096277.D

Acq: 29 Jun 2017 5:04

Instrument :

BNA_F

ClientSampleId :

E2-Q10-BASE

Tot Ion: 99 Resp: 1389044

Ion Ratio Lower Upper

99 100

42 21.8 13.5 20.3#

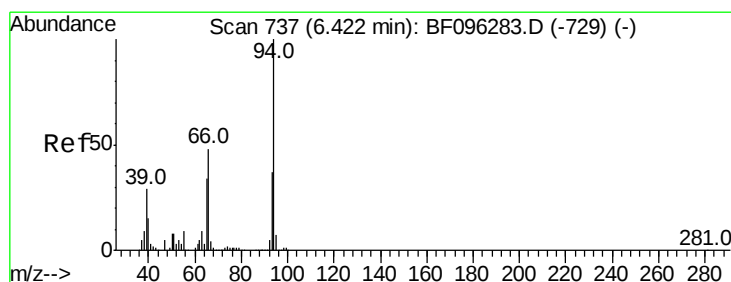
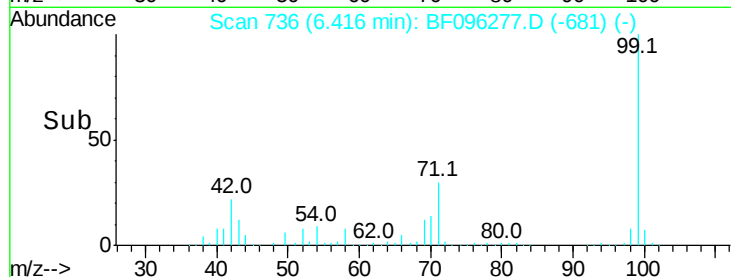
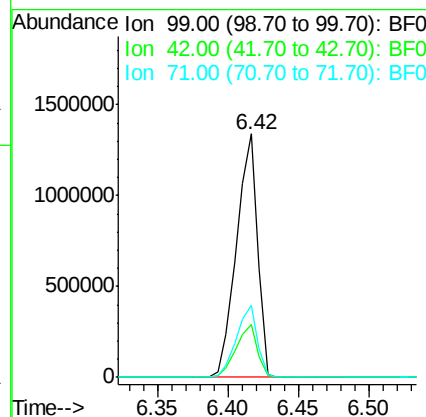
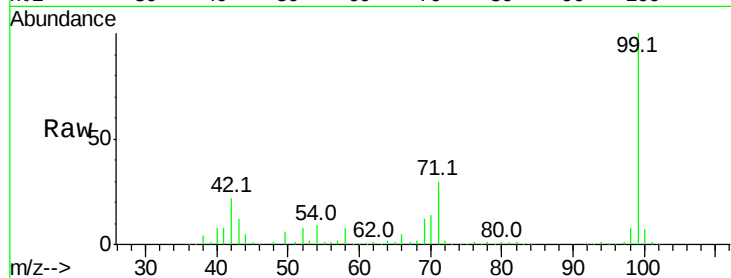
71 29.7 24.5 36.7

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#10

Phenol

Concen: 5.99 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.02 min

Lab File: BF096277.D

Acq: 29 Jun 2017 5:04

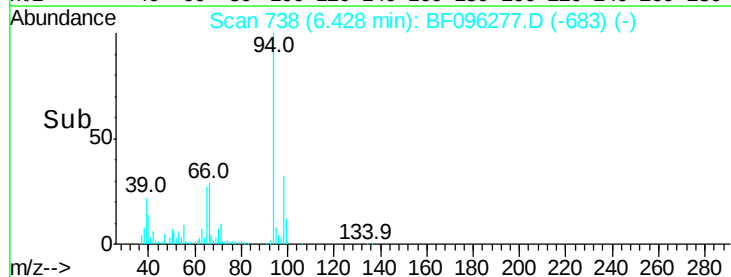
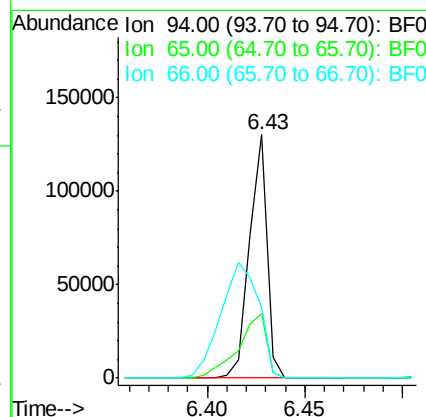
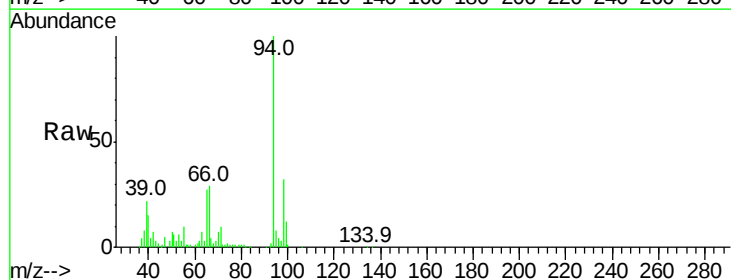
Tgt Ion: 94 Resp: 81782

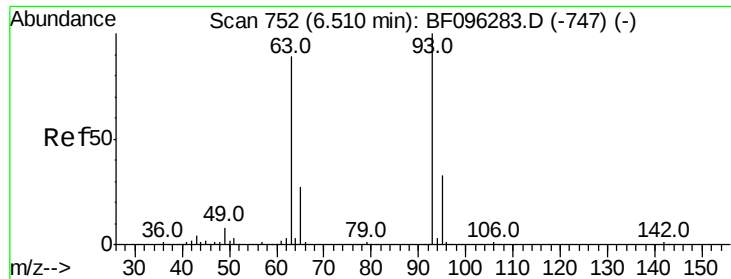
Ion Ratio Lower Upper

94 100

65 26.5 9.9 49.9

66 29.1 23.1 63.1





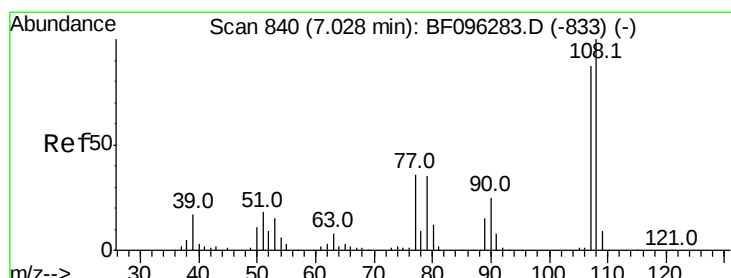
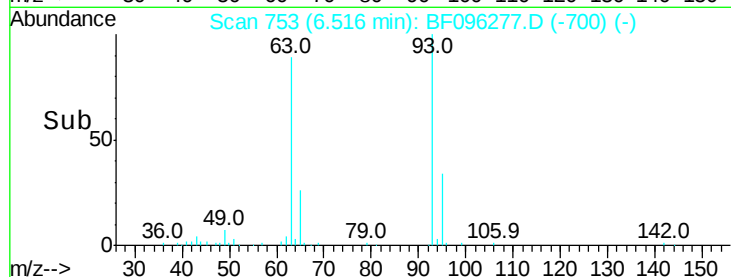
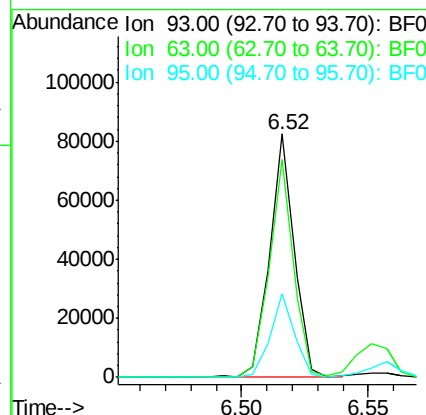
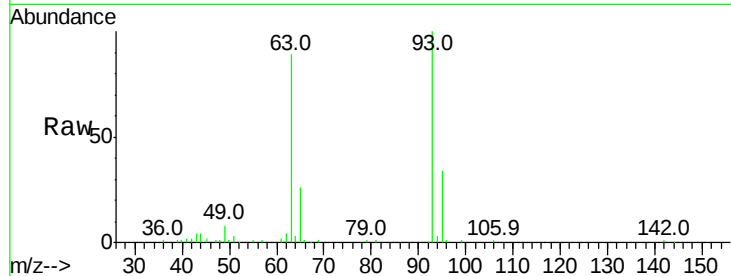
#11
bis(2-Chloroethyl)ether
Concen: 5.04 ng
RT: 6.52 min Scan# 753
Delta R.T. 0.01 min
Lab File: BF096277.D
Acq: 29 Jun 2017 5:04

Instrument :
BNA_F
ClientSampled :
E2-Q10-BASE

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
63	89.3	59.2	99.2	
95	34.2	12.8	52.8	

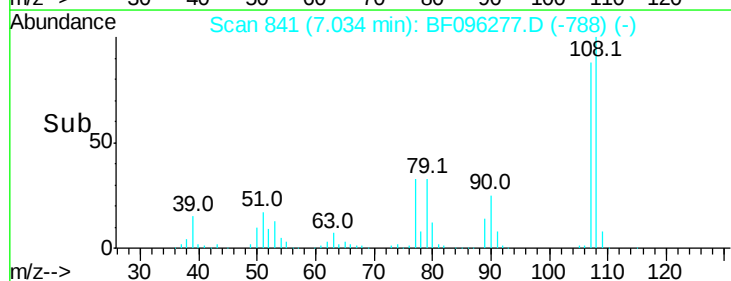
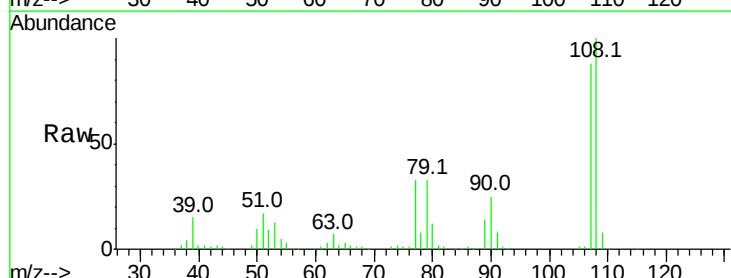
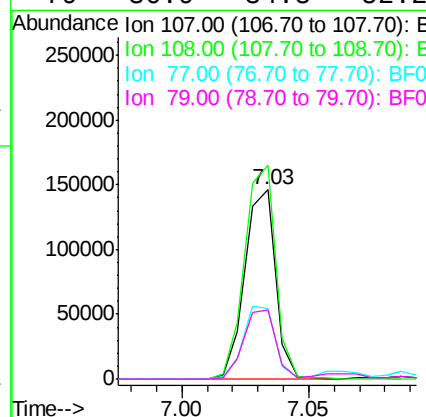
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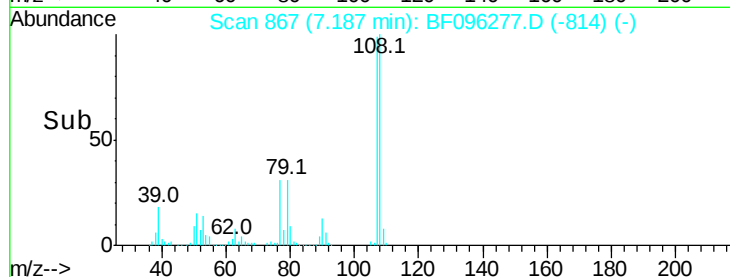
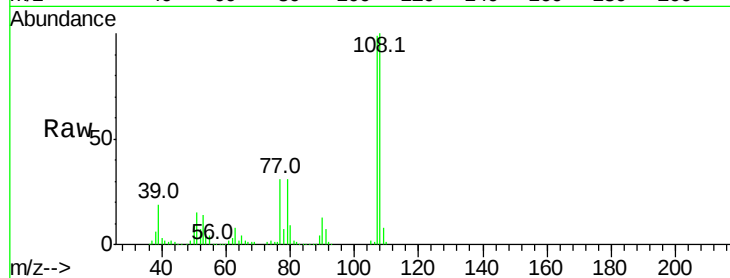
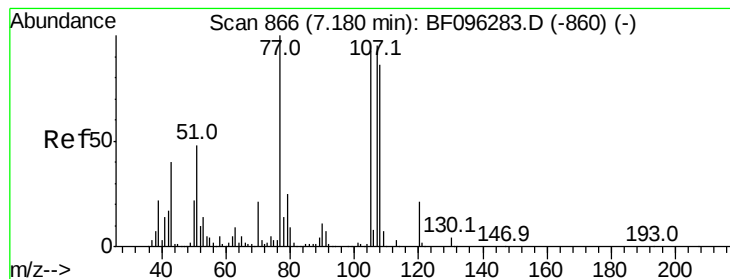
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#17
2-Methylphenol
Concen: 14.10 ng
RT: 7.03 min Scan# 841
Delta R.T. 0.01 min
Lab File: BF096277.D
Acq: 29 Jun 2017 5:04

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.0	93.4	140.0	
77	37.5	35.8	53.6	
79	36.9	34.8	52.2	





#20

3+4-Methylphenols

Concen: 18.60 ng

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: BF096277.D

Acq: 29 Jun 2017 5:04

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	101.0	71.0	111.0	
77	31.5	90.5	130.5	
79	31.3	8.4	48.4	

Instrument :

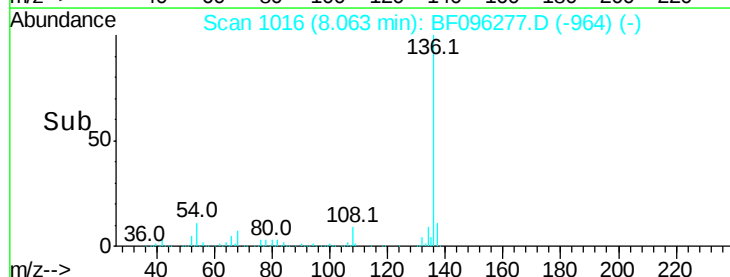
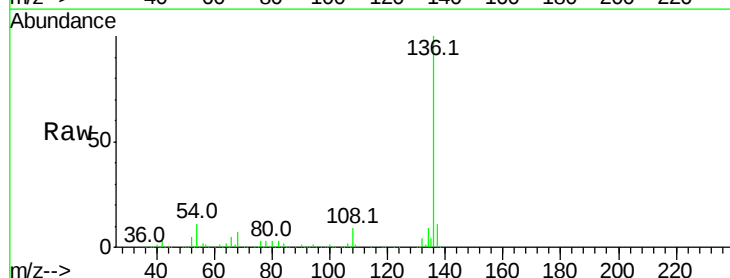
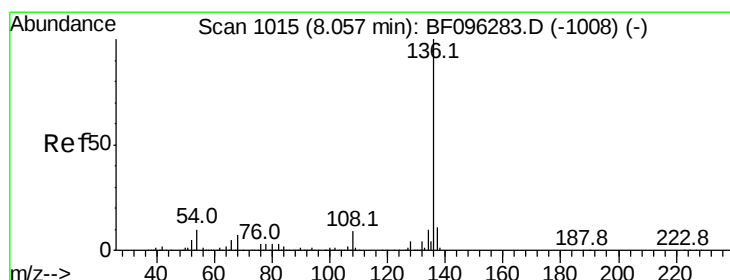
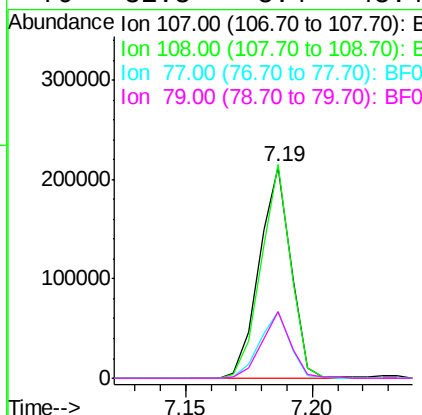
BNA_F

ClientSampleId :

E2-Q10-BASE

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.00 ng

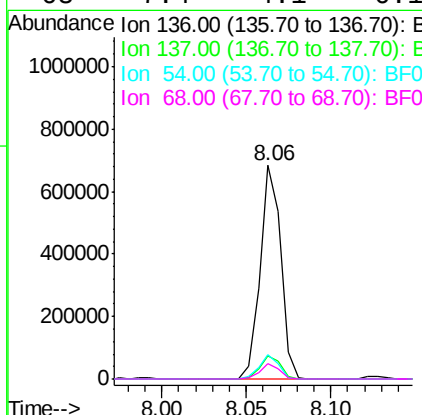
RT: 8.06 min Scan# 1016

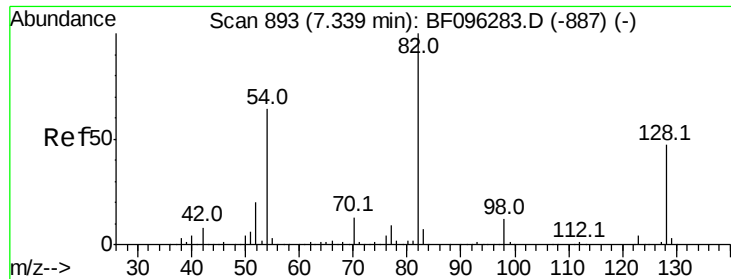
Delta R.T. 0.01 min

Lab File: BF096277.D

Acq: 29 Jun 2017 5:04

Tgt Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.5	12.7	
54	11.5	4.9	7.3	
68	7.4	4.1	6.1	





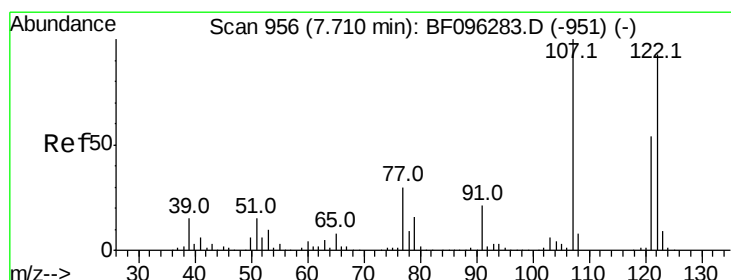
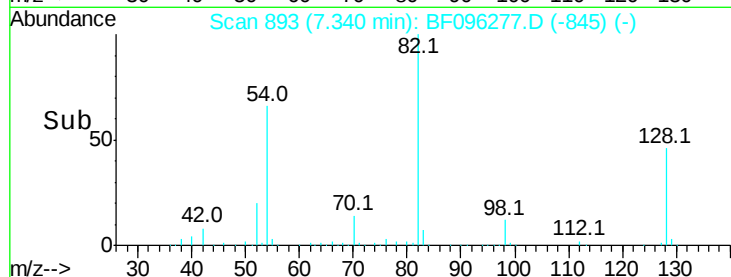
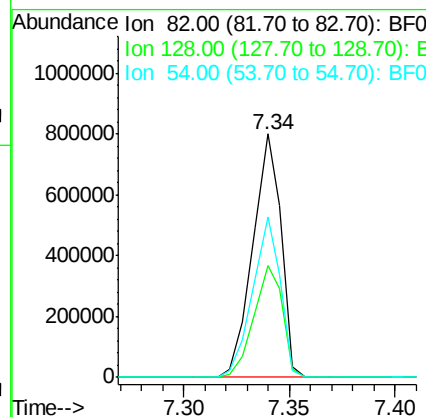
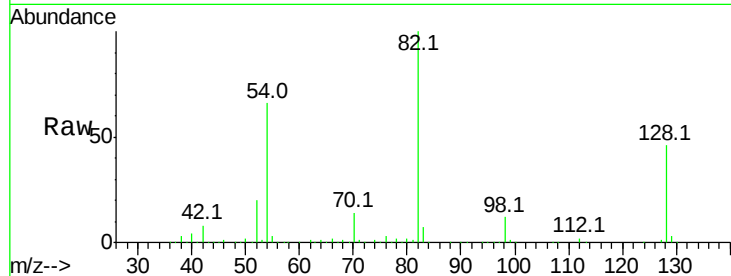
#23
 Nitrobenzene-d5
 Concen: 88.51 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.02 min
 Lab File: BF096277.D
 Acq: 29 Jun 2017 5:04

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q10-BASE

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	34.0	51.0
54	65.9	42.2	63.2

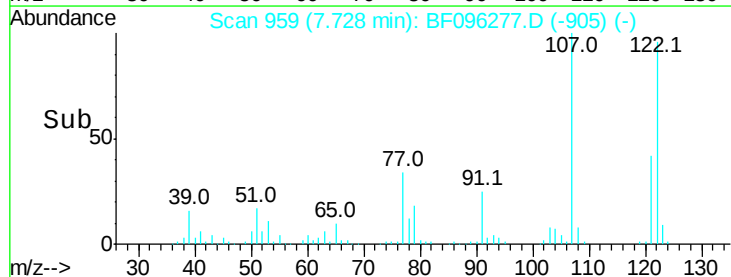
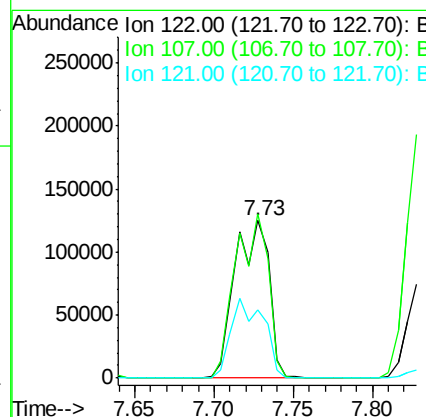
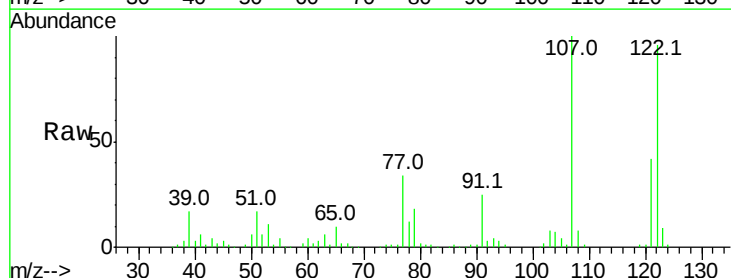
Manual Integrations
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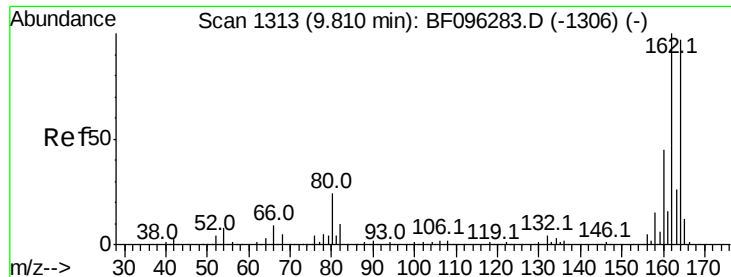
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#27
 2,4-Dimethylphenol
 Concen: 21.37 ng
 RT: 7.73 min Scan# 959
 Delta R.T. 0.02 min
 Lab File: BF096277.D
 Acq: 29 Jun 2017 5:04

Tgt Ion	Ratio	Lower	Upper
122	100		
107	104.2	89.2	133.8
121	43.5	45.2	67.8





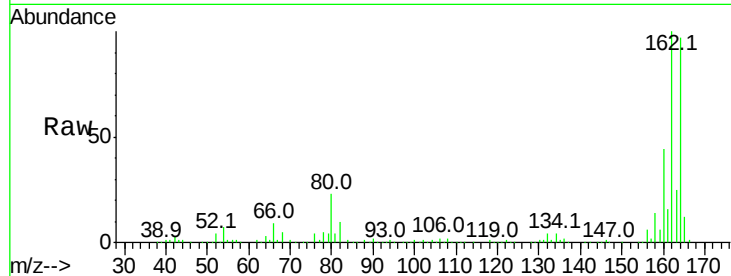
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF096277.D
Acq: 29 Jun 2017 5:04

Instrument :
BNA_F
ClientSampleId :
E2-Q10-BASE

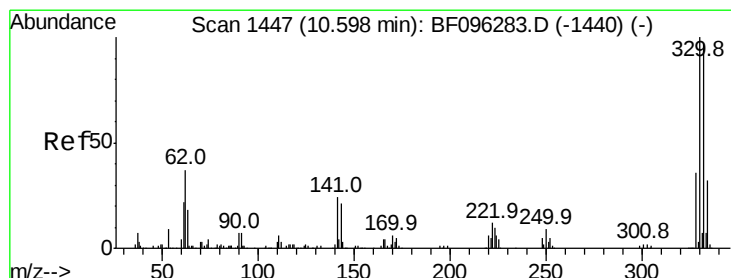
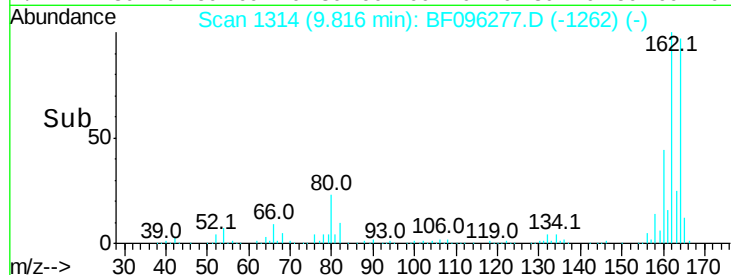
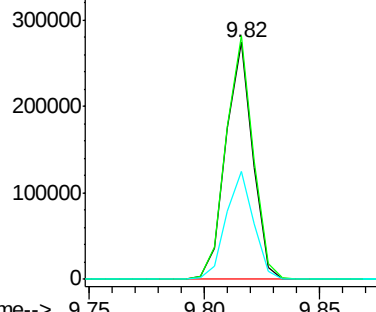
Tot Ion	Ratio	Resp	Lower	Upper
164	100	223611		
162	102.9	82.6	123.8	
160	45.7	36.2	54.2	

Manual Integrations
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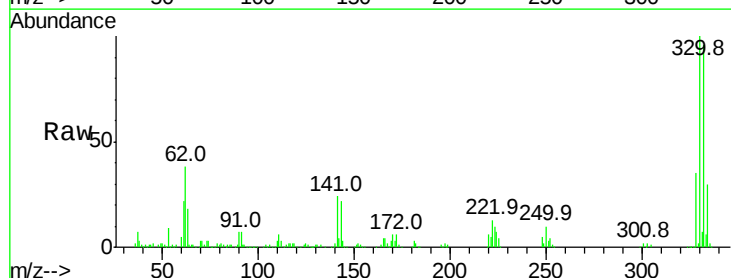


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

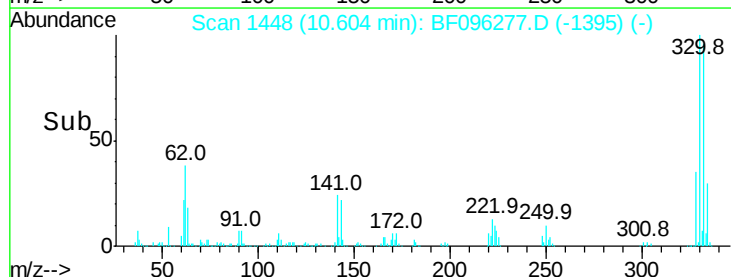
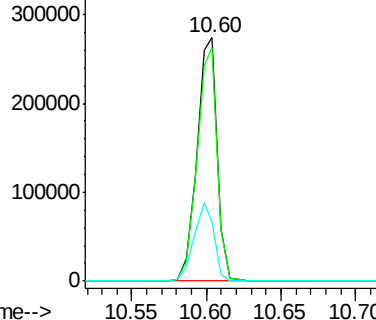


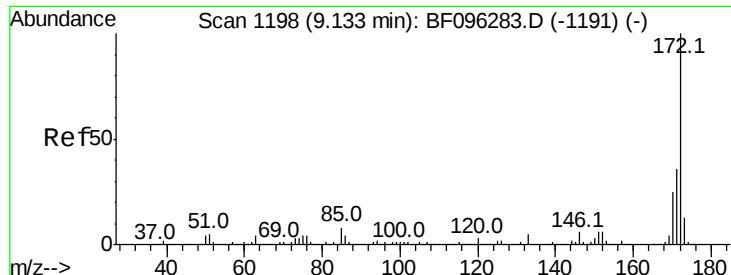
#41
2,4,6-Tribromophenol
Concen: 149.79 ng
RT: 10.60 min Scan# 1448
Delta R.T. 0.01 min
Lab File: BF096277.D
Acq: 29 Jun 2017 5:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	263600		
332	95.3	76.6	115.0	
141	31.9	31.4	47.2	



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





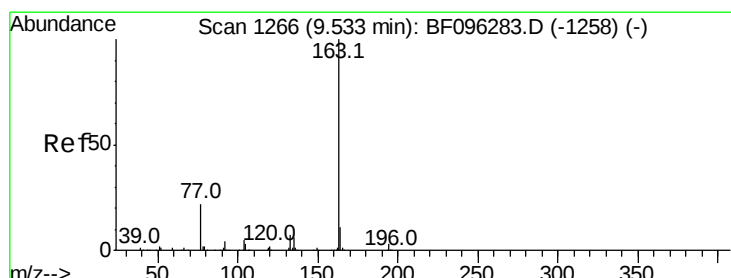
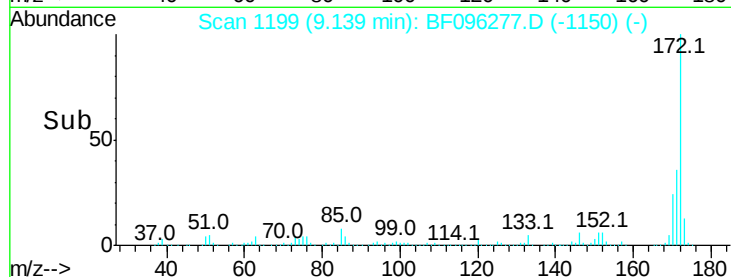
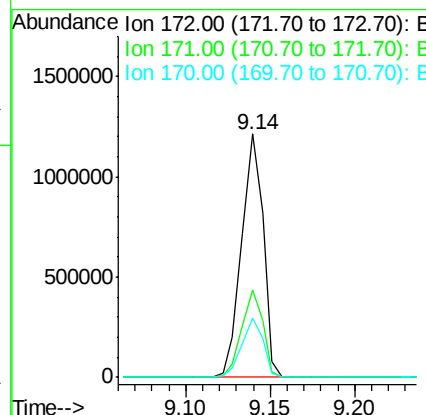
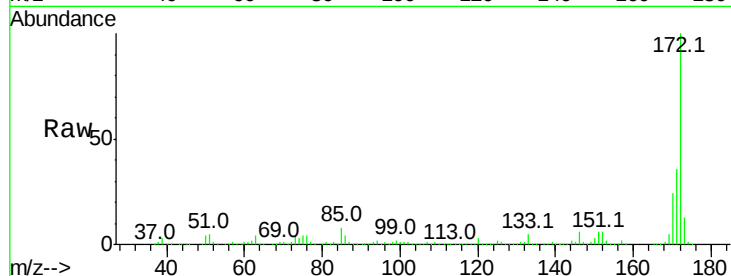
#44
2-Fluorobiphenyl
Concen: 88.43 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF096277.D
Acq: 29 Jun 2017 5:04

Instrument :
BNA_F
ClientSampleId :
E2-Q10-BASE

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	24.2	19.8	29.8

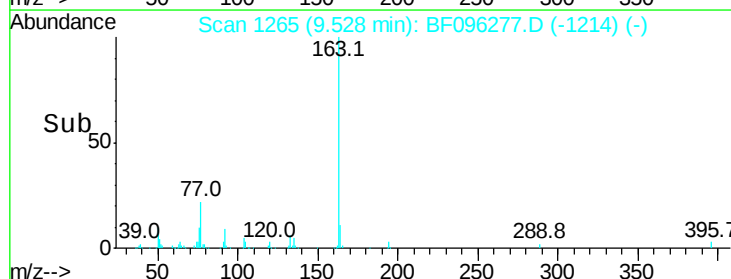
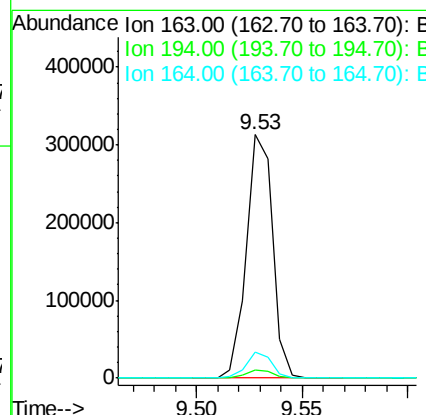
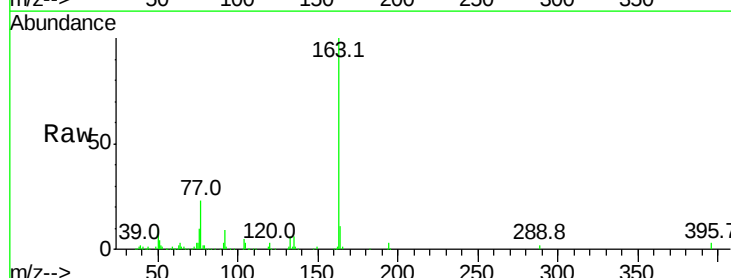
Manual Integrations
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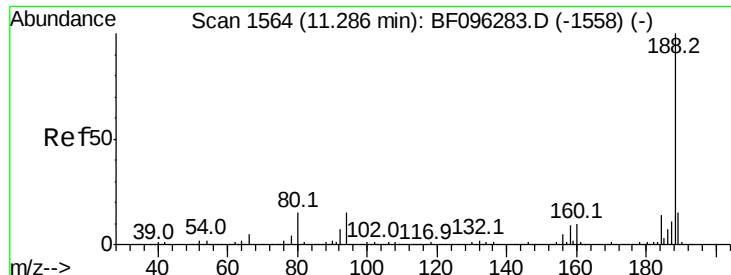
mohammad
6/29/2017 6:00:02 PM



#49
Dimethylphthalate
Concen: 16.76 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BF096277.D
Acq: 29 Jun 2017 5:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	10.8	8.4	12.6





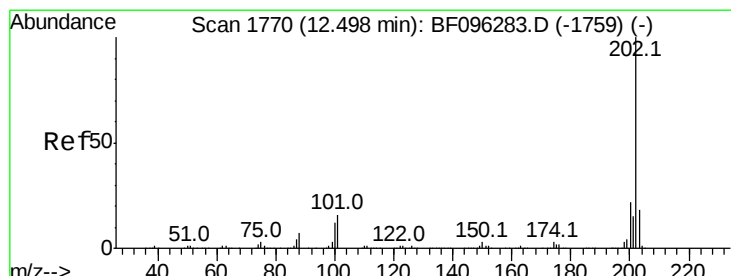
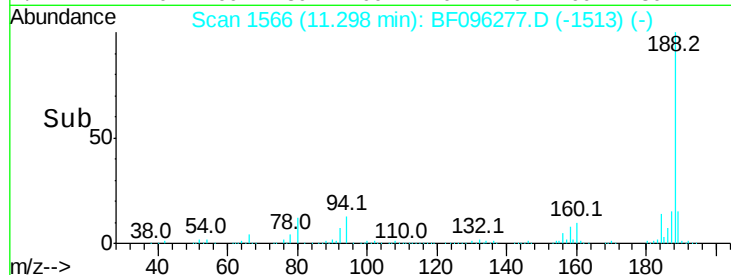
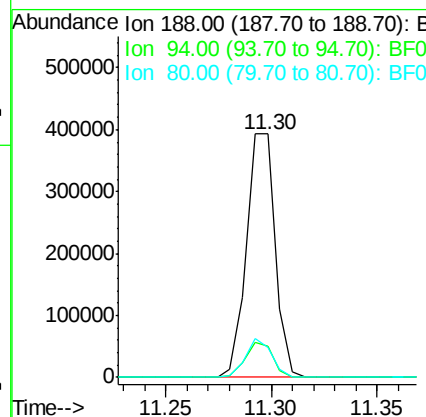
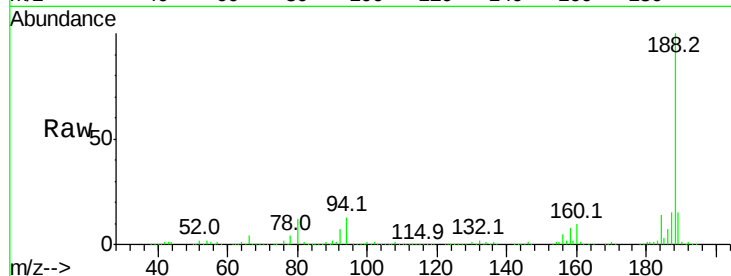
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BF096277.D
Acq: 29 Jun 2017 5:04

Instrument :
BNA_F
ClientSampleId :
E2-Q10-BASE

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.5	9.4	14.2
80	12.4	10.2	15.2

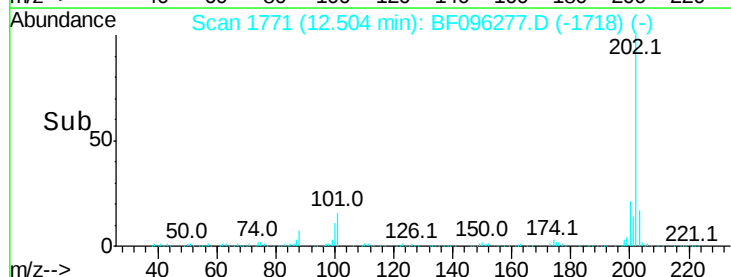
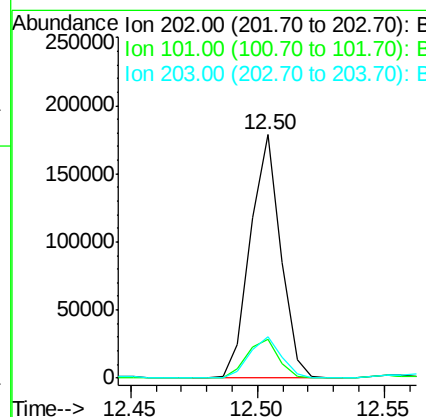
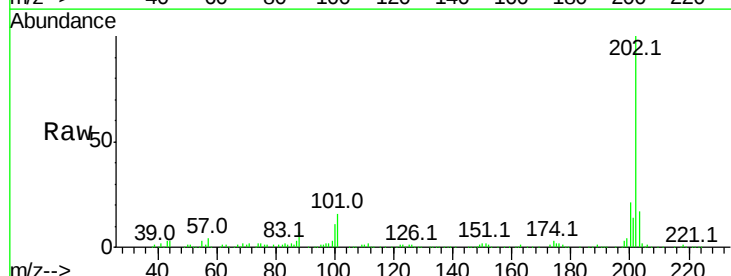
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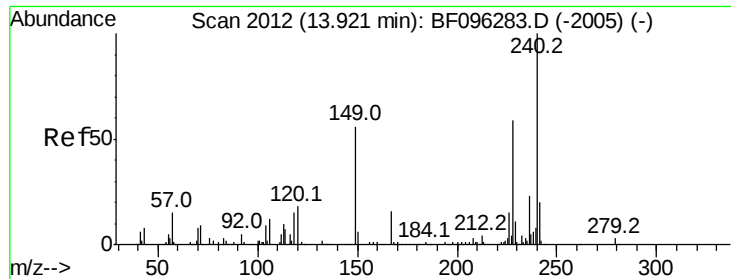
mohammad
6/29/2017 6:00:02 PM



#74
Fluoranthene
Concen: 7.28 ng
RT: 12.50 min Scan# 1771
Delta R.T. 0.01 min
Lab File: BF096277.D
Acq: 29 Jun 2017 5:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	16.0	0.0	33.2
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF096277.D

Acq: 29 Jun 2017 5:04

Instrument :

BNA_F

ClientSampleId :

E2-Q10-BASE

Tot Ion:240 Resp: 343046

Ion Ratio Lower Upper

240 100

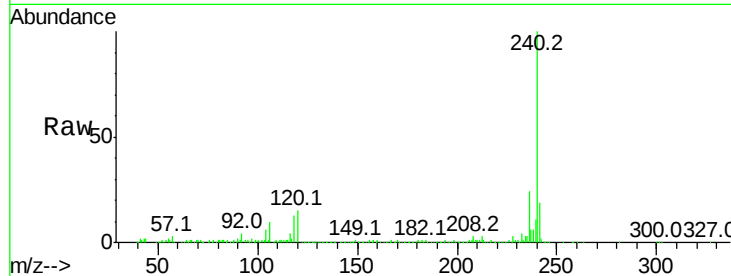
120 15.4 5.8 8.8#

236 23.8 20.5 30.7

Manual Integrations
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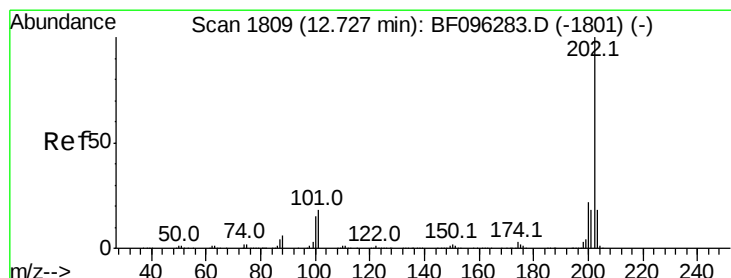
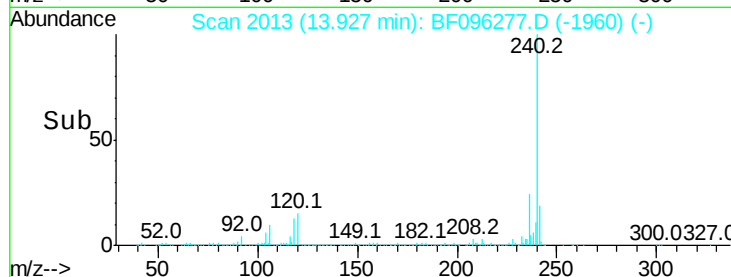
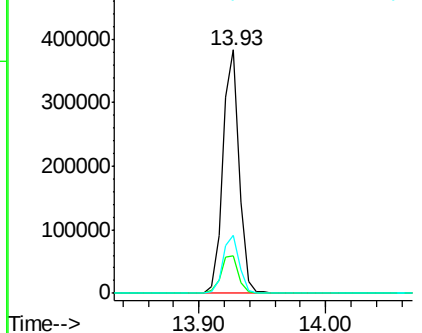
6/29/2017 6:00:02 PM



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: 4.93 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.01 min

Lab File: BF096277.D

Acq: 29 Jun 2017 5:04

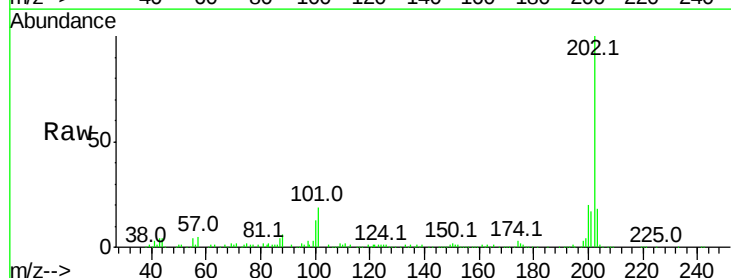
Tgt Ion:202 Resp: 138918

Ion Ratio Lower Upper

202 100

200 20.1 17.6 26.4

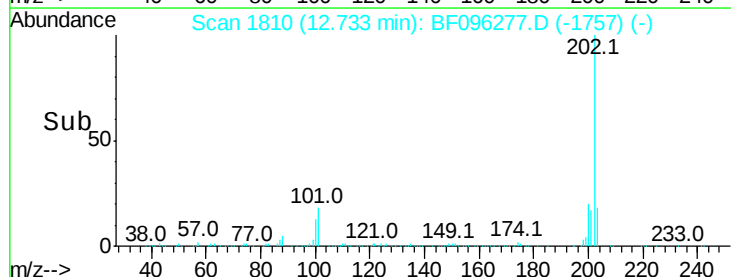
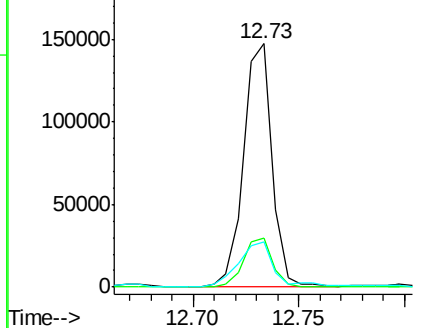
203 18.5 14.4 21.6

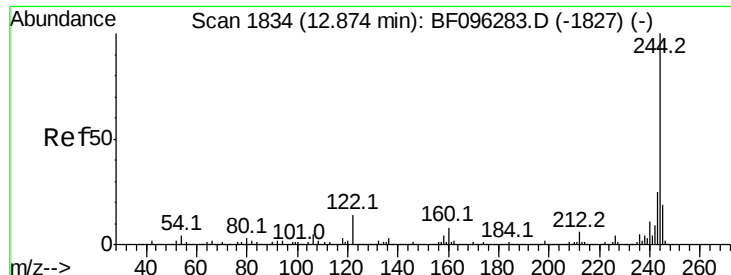


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





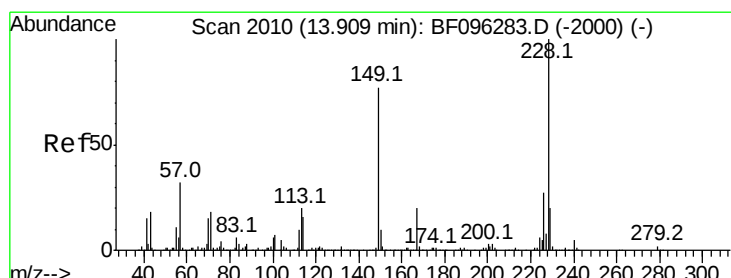
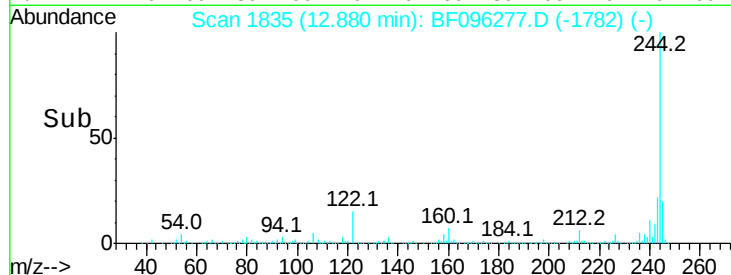
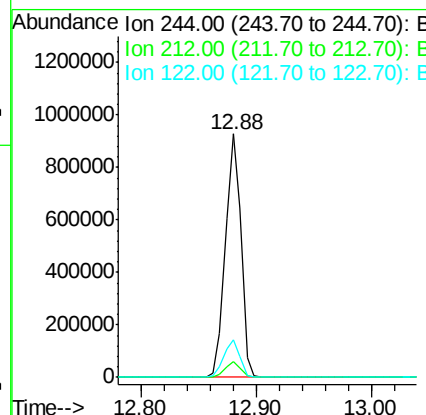
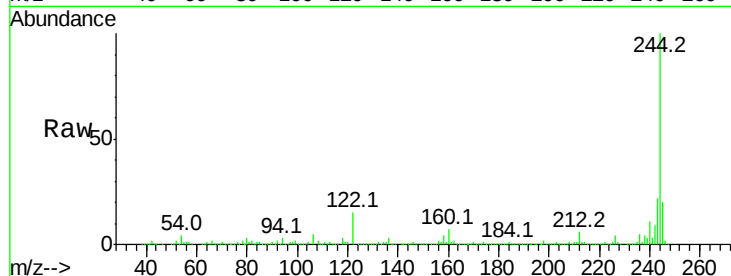
#78
 Terphenyl-d14
 Concen: 62.94 ng
 RT: 12.88 min Scan# 1835
 Delta R.T. 0.01 min
 Lab File: BF096277.D
 Acq: 29 Jun 2017 5:04

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q10-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.0	9.0
122	15.4	10.3	15.5

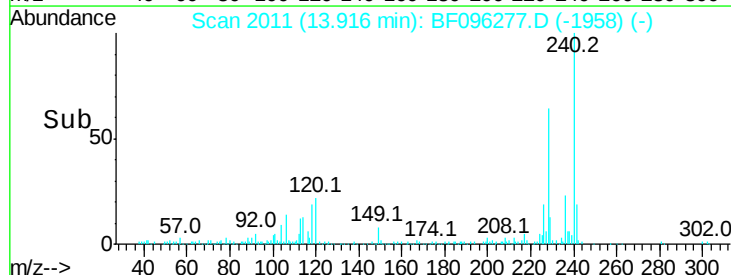
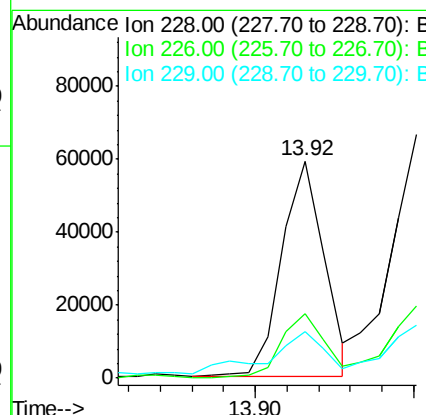
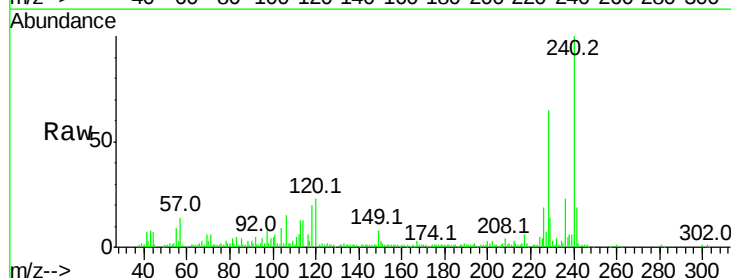
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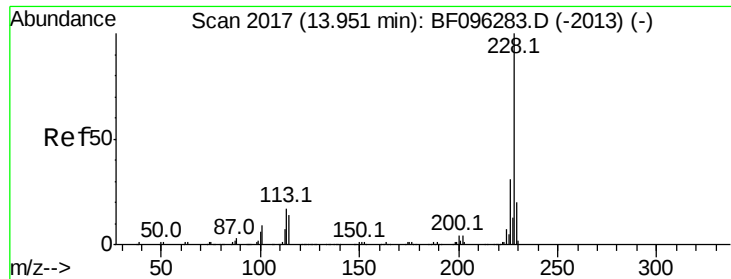
mohammad
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#80
 Benzo(a)anthracene
 Concen: 2.63 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. 0.01 min
 Lab File: BF096277.D
 Acq: 29 Jun 2017 5:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	21.4	16.3	24.5





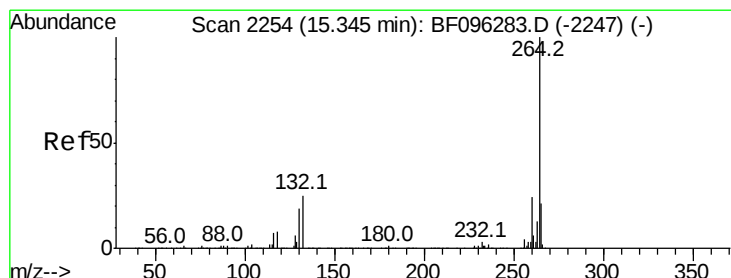
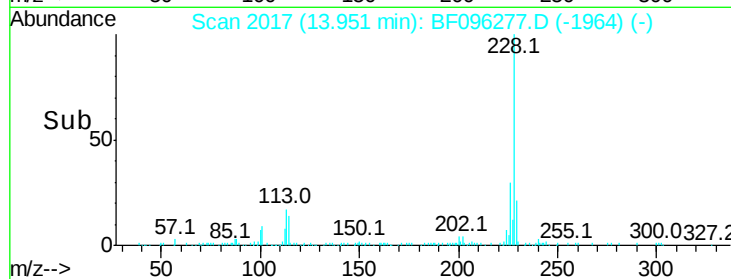
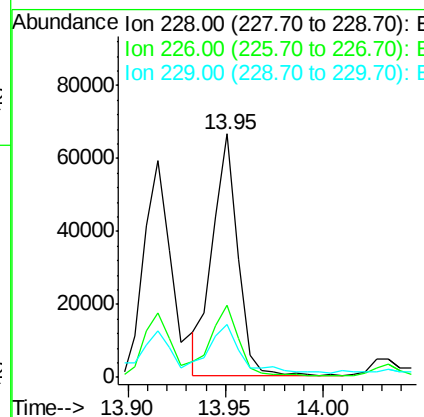
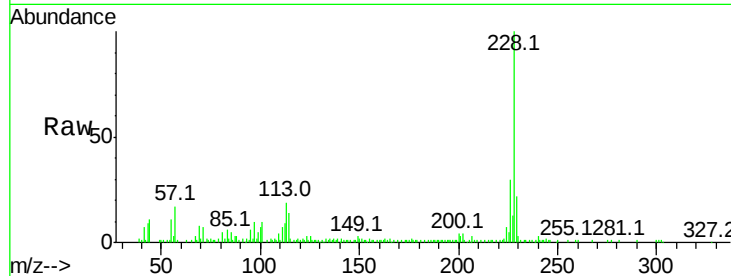
#82
Chrysene
Concen: 2.75 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF096277.D
Acq: 29 Jun 2017 5:04

Instrument :
BNA_F
ClientSampleId :
E2-Q10-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.9	37.3
229	21.9	15.8	23.6

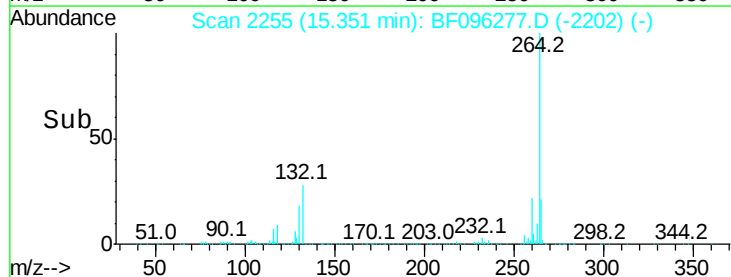
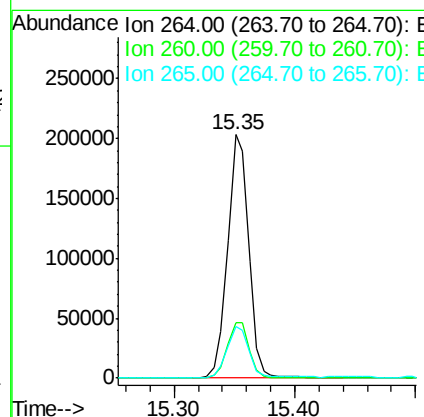
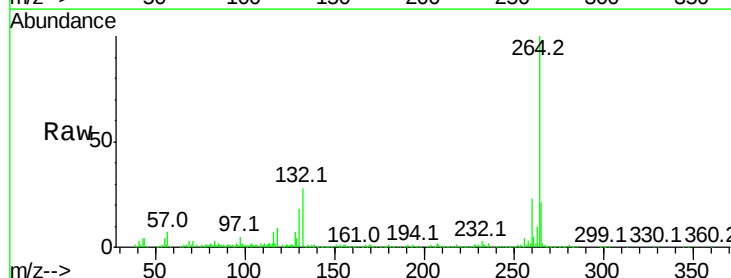
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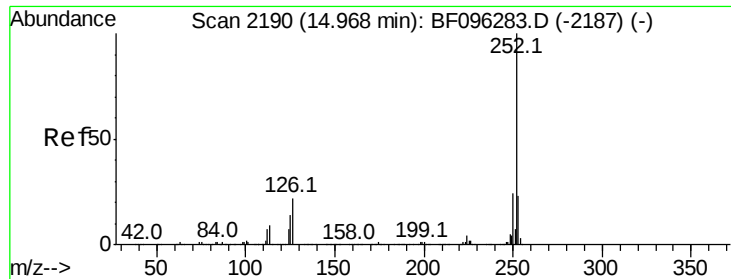
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF096277.D
Acq: 29 Jun 2017 5:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.5	29.3
265	21.5	17.2	25.8





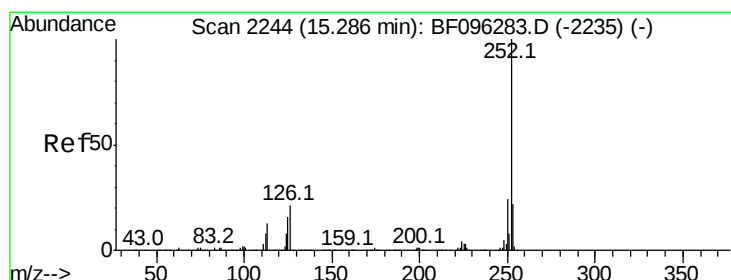
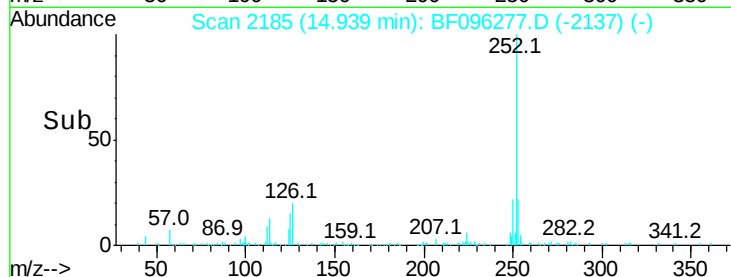
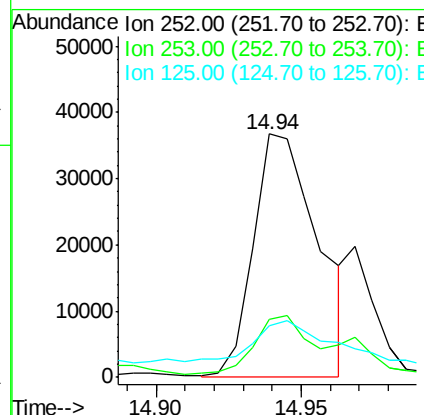
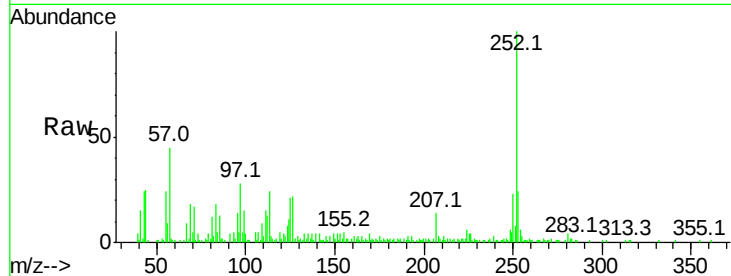
#87
Benzo(b)fluoranthene
Concen: 3.51 ng m
RT: 14.94 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BF096277.D
Acq: 29 Jun 2017 5:04

Instrument :
BNA_F
ClientSampleId :
E2-Q10-BASE

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.6	18.1	27.1
125	21.2	9.8	14.8

Manual Integrations
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6/29/2017 6:00:02 PM



#89
Benzo(a)pyrene
Concen: 2.50 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.02 min
Lab File: BF096277.D
Acq: 29 Jun 2017 5:04

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.4	17.5	26.3
125	23.8	11.0	16.4

