

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
 Data File : BF093930.D
 Acq On : 25 Mar 2017 2:09
 Operator : SJ/MA
 Sample : I2367-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-B4567-CONCRETE

Manual Integrations
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mohammad
 3/27/2017 12:56:52 PM

Quant Time: Mar 25 04:59:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.96	152	166443	20.00	ng	-0.03
21) Naphthalene-d8	7.46	136	654072	20.00	ng	-0.03
38) Acenaphthene-d10	9.61	164	265169	20.00	ng	-0.03
63) Phenanthrene-d10	11.43	188	380705	20.00	ng	-0.03
75) Chrysene-d12	14.69	240	305074	20.00	ng	-0.03
86) Perylene-d12	16.32	264	248729	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.49	112	717766	72.84	ng	-0.01
7) Phenol-d6	5.56	99	1136473	93.22	ng	-0.01
23) Nitrobenzene-d5	6.61	82	755401	65.91	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	85881	40.99	ng	-0.04
44) 2-Fluorobiphenyl	8.79	172	1331468	76.59	ng	-0.03
78) Terphenyl-d14	13.41	244	794987	58.41	ng	-0.03
Target Compounds						Qvalue
10) Phenol	5.57	94	76030	5.48	ng	86
17) 2-Methylphenol	6.26	107	87723	9.46	ng	96
20) 3+4-Methylphenols	6.44	107	159260	14.18	ng	# 63
27) 2,4-Dimethylphenol	7.07	122	185353	19.96	ng	97
37) 2-Methylnaphthalene	8.33	142	114705	5.47	ng	96
49) Dimethylphthalate	9.28	163	106820	5.67	ng	99
57) Fluorene	10.28	166	44722	2.44	ng	# 99
70) Phenanthrene	11.46	178	192676	9.10	ng	98
71) Anthracene	11.52	178	47109m	2.16	ng	
74) Fluoranthene	12.92	202	146008	6.73	ng	96
77) Pyrene	13.20	202	121520	5.49	ng	97
80) Benzo(a)anthracene	14.67	228	49153m	2.76	ng	
82) Chrysene	14.72	228	43262m	2.62	ng	
87) Benzo(b)fluoranthene	15.90	252	48407m	3.18	ng	
89) Benzo(a)pyrene	16.26	252	31515	2.24	ng	# 92

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

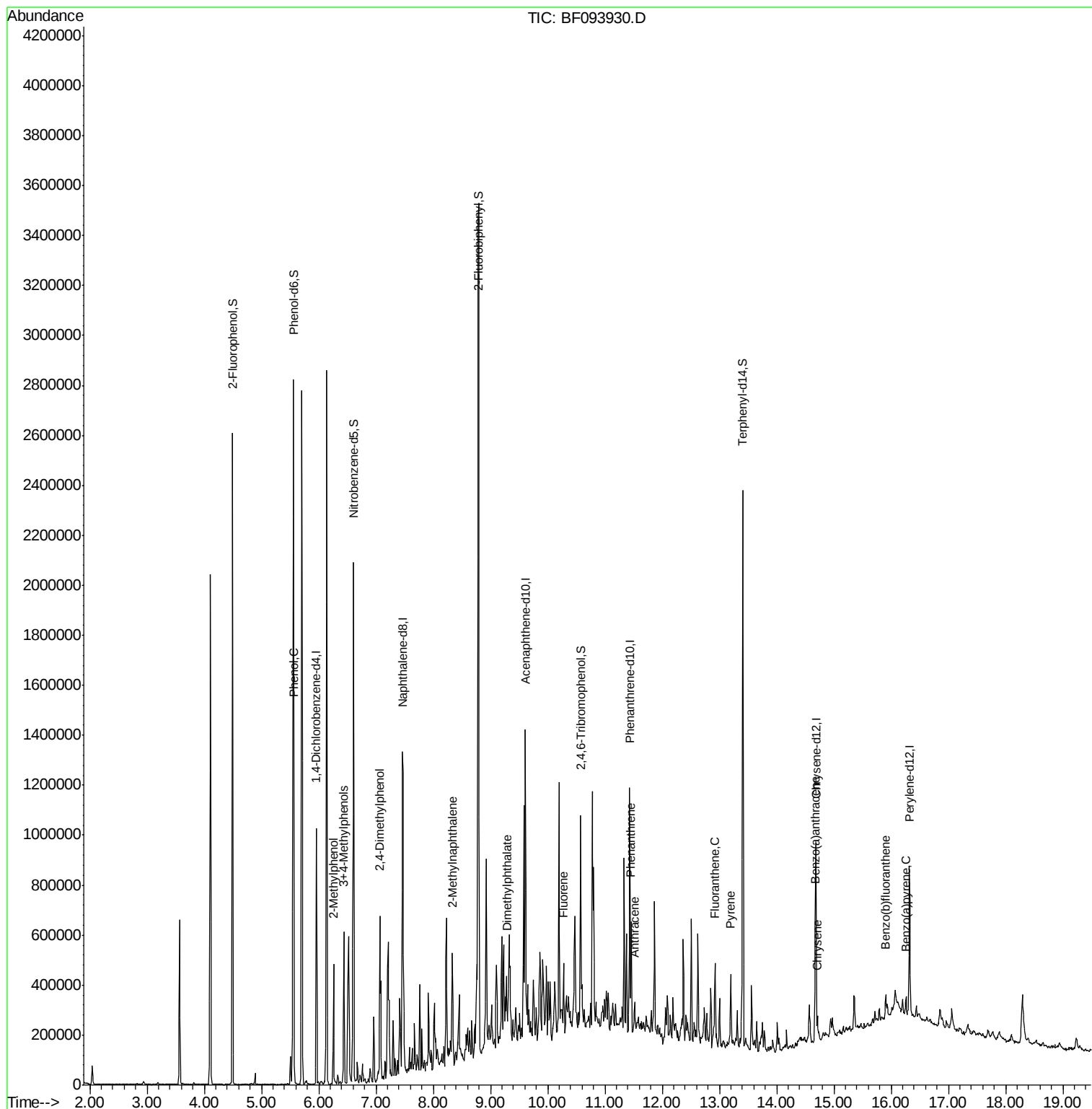
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
Data File : BF093930.D
Acq On : 25 Mar 2017 2:09
Operator : SJ/MA
Sample : I2367-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

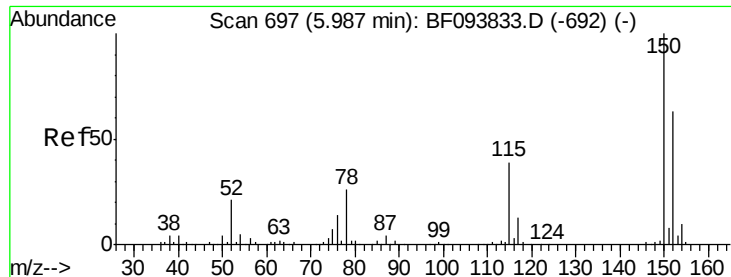
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#1

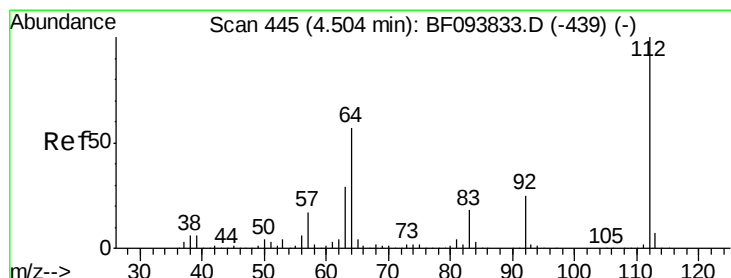
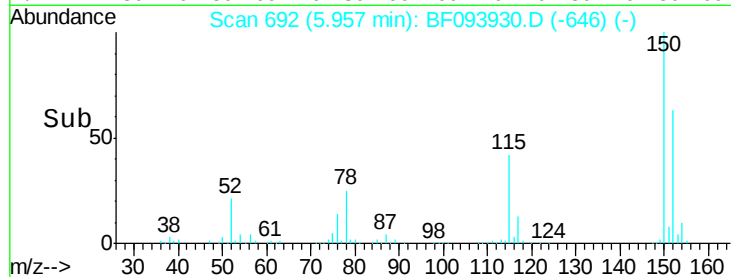
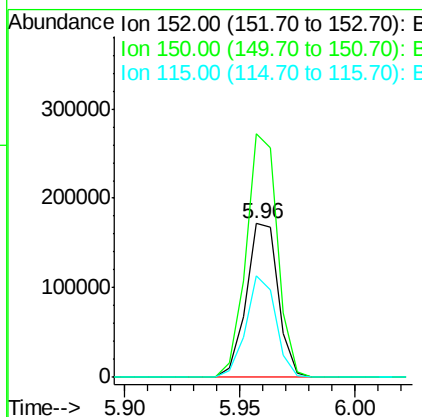
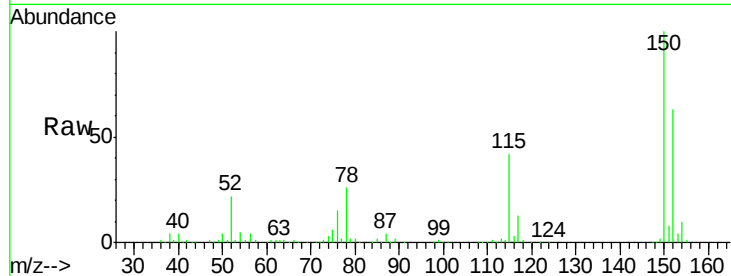
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.96 min Scan# 692
Delta R.T. -0.03 min
Lab File: BF093930.D
Acq: 25 Mar 2017 2:09

Instrument :
BNA_F
ClientSampleId :
E2-B4567-CONCRETE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.2	189.2
115	66.1	52.2	78.2

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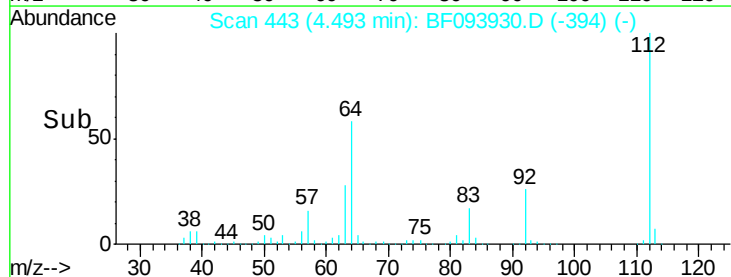
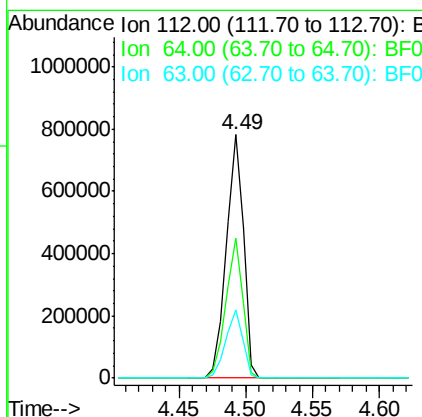
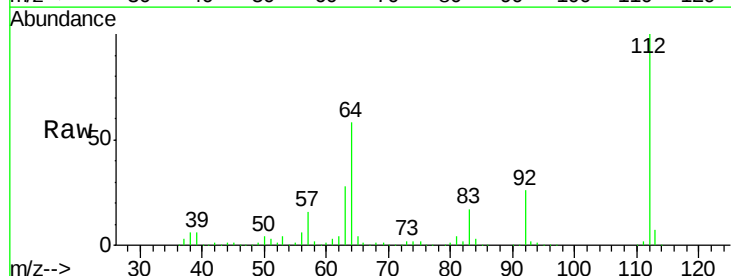
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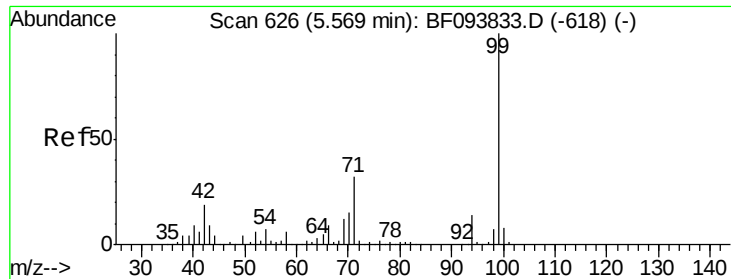


#5

2-Fluorophenol
Concen: 72.84 ng
RT: 4.49 min Scan# 443
Delta R.T. -0.01 min
Lab File: BF093930.D
Acq: 25 Mar 2017 2:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	46.0	69.0
63	28.3	23.4	35.0





#7

Phenol-d6

Concen: 93.22 ng

RT: 5.56 min Scan# 624

Delta R.T. -0.01 min

Lab File: BF093930.D

Acq: 25 Mar 2017 2:09

Instrument :

BNA_F

ClientSampleId :

E2-B4567-CONCRETE

Tot Ion: 99 Resp: 1136473

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

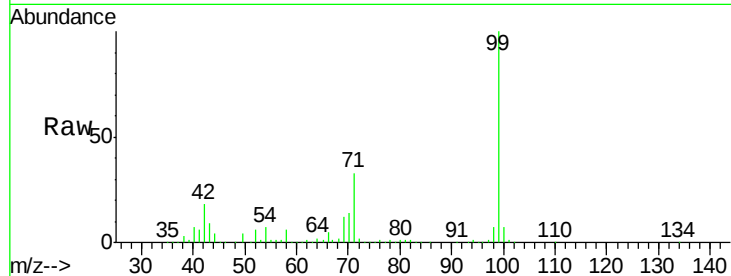
71 32.8 24.5 36.7

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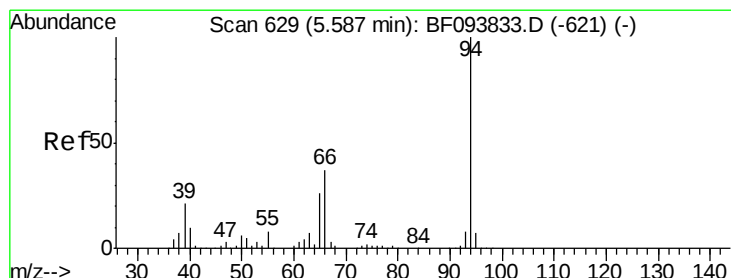
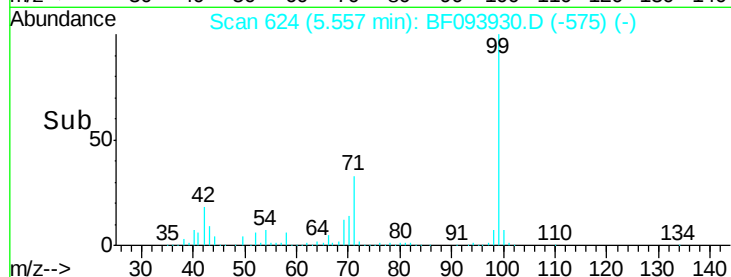
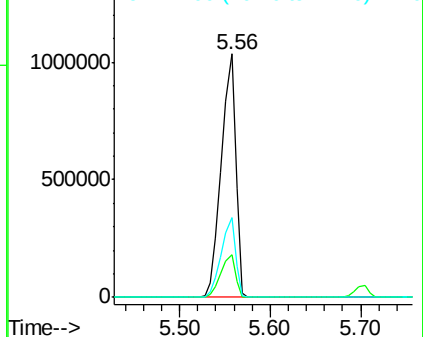
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.48 ng

RT: 5.57 min Scan# 626

Delta R.T. -0.02 min

Lab File: BF093930.D

Acq: 25 Mar 2017 2:09

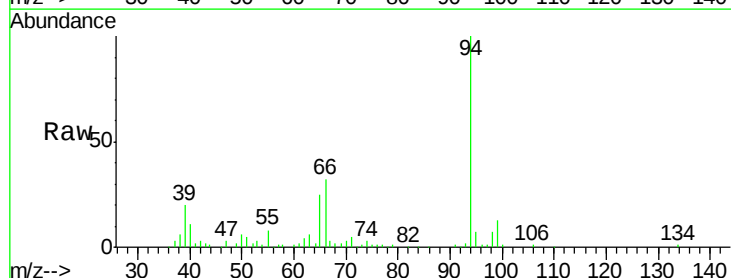
Tgt Ion: 94 Resp: 76030

Ion Ratio Lower Upper

94 100

65 25.5 9.9 49.9

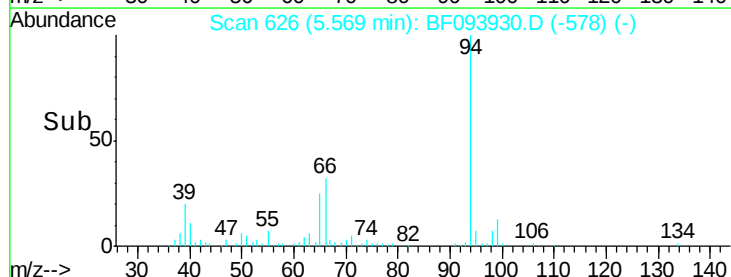
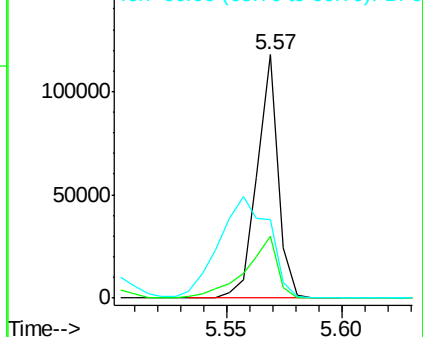
66 32.1 23.1 63.1

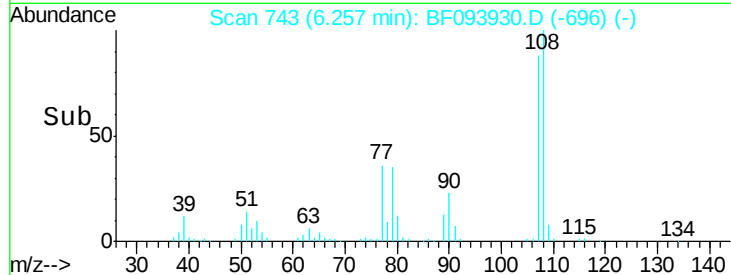
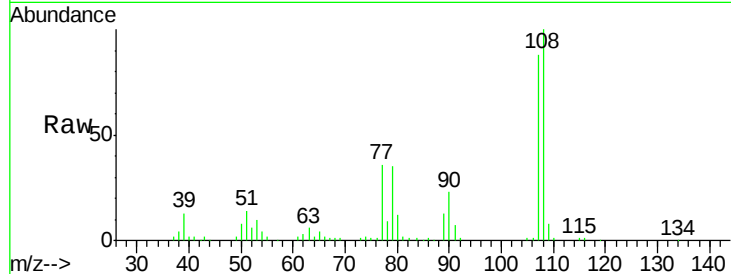
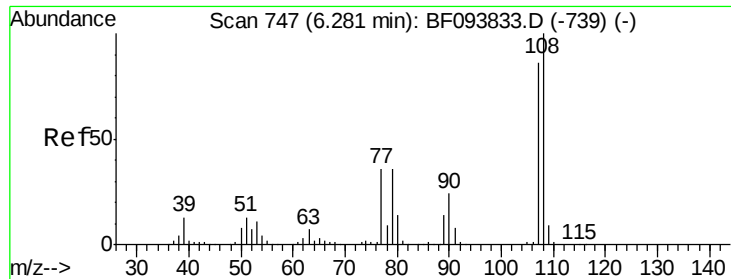


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





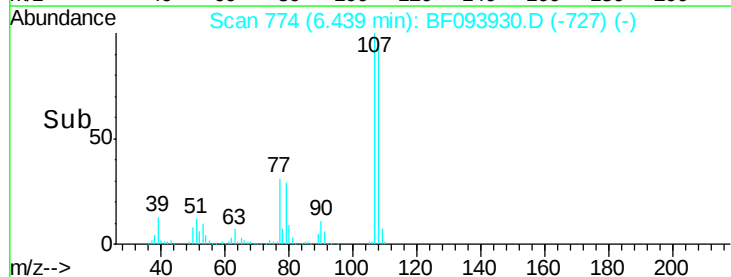
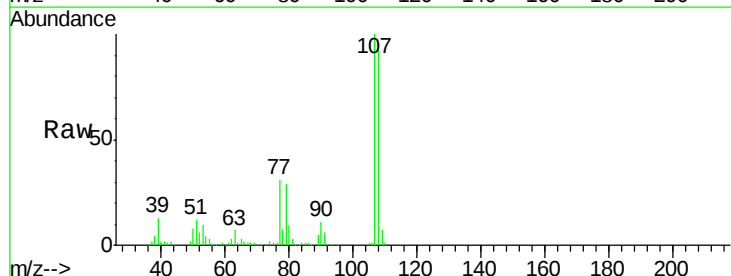
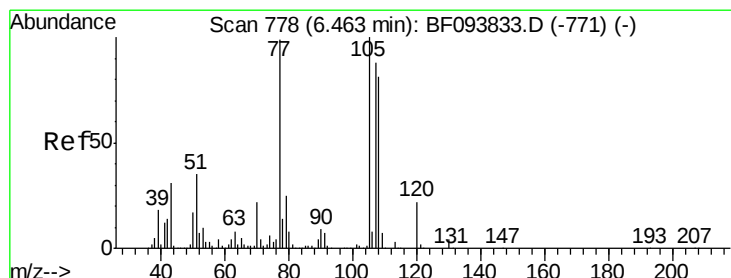
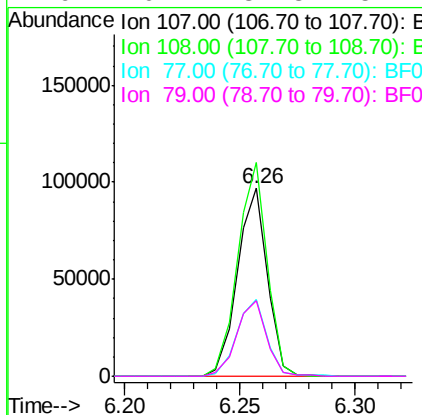
#17
2-Methylphenol
Concen: 9.46 ng
RT: 6.26 min Scan# 743
Delta R.T. -0.02 min
Lab File: BF093930.D
Acq: 25 Mar 2017 2:09

Tot Ion	107	Resp	87723
Ion Ratio	Lower	Upper	
107	100		
108	113.7	93.4	140.0
77	40.8	35.8	53.6
79	40.2	34.8	52.2

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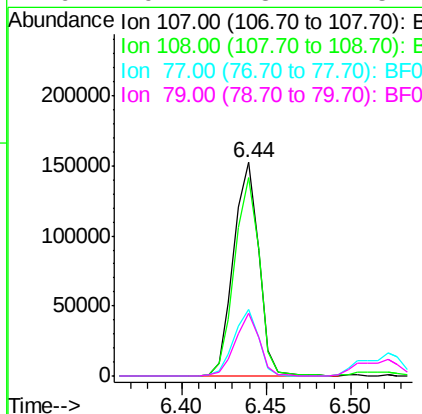
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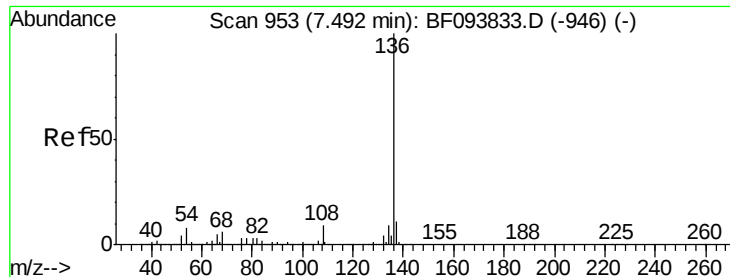
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#20
3+4-Methylphenols
Concen: 14.18 ng
RT: 6.44 min Scan# 774
Delta R.T. -0.02 min
Lab File: BF093930.D
Acq: 25 Mar 2017 2:09

Tgt Ion	107	Resp	159260
Ion Ratio	Lower	Upper	
107	100		
108	93.2	71.0	111.0
77	31.2	90.5	130.5#
79	29.2	8.4	48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.46 min Scan# 948

Delta R.T. -0.03 min

Lab File: BF093930.D

Acq: 25 Mar 2017 2:09

Instrument :

BNA_F

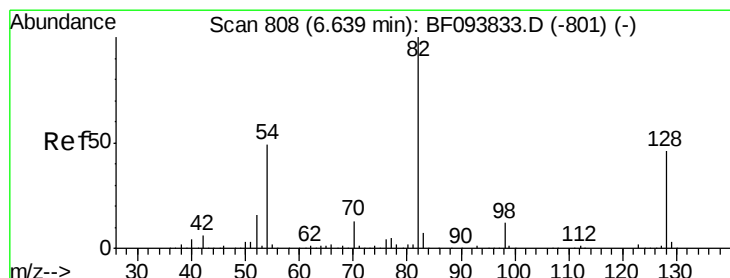
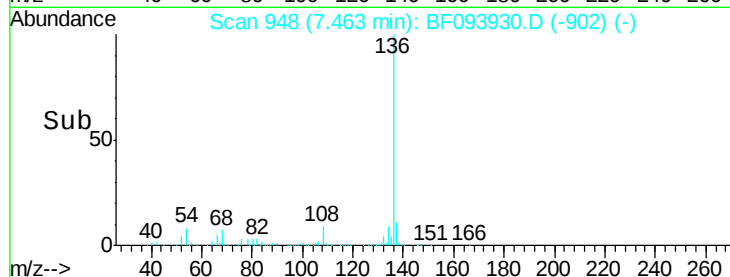
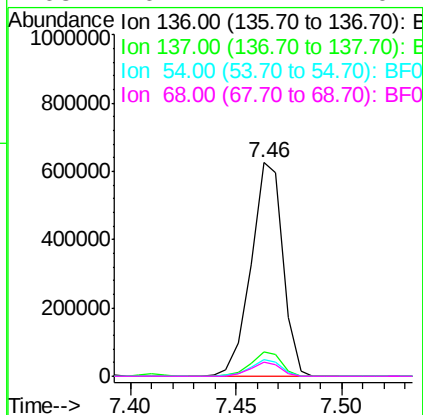
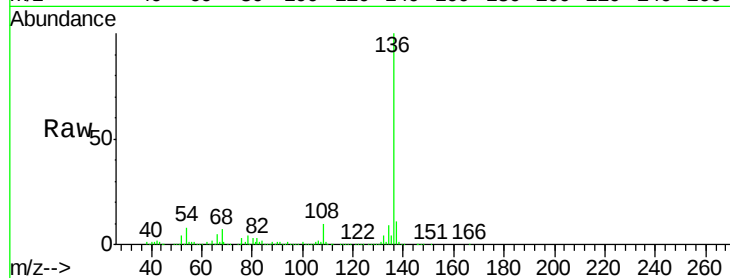
ClientSampleId :

E2-B4567-CONCRETE

Tot Ion	Ratio	Resp	Lower	Upper
136	100	654072		
137	11.4	8.5	12.7	
54	8.1	4.9	7.3	
68	6.7	4.1	6.1	

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#23

Nitrobenzene-d5

Concen: 65.91 ng

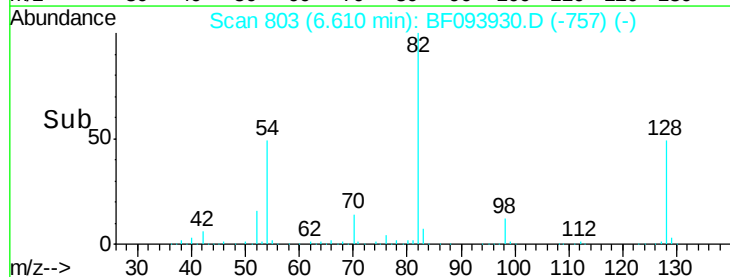
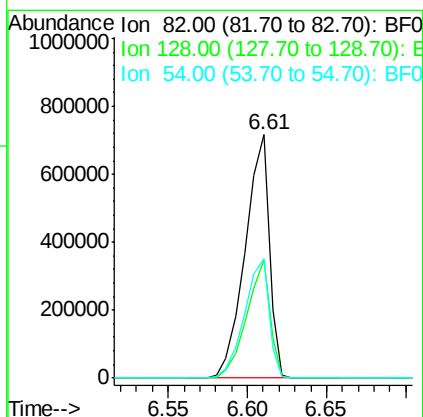
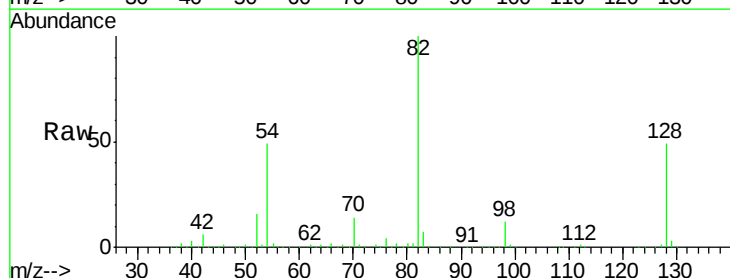
RT: 6.61 min Scan# 803

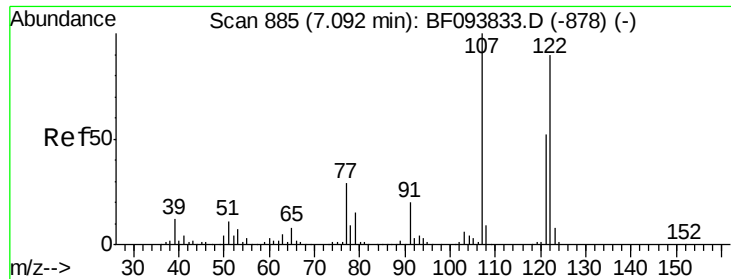
Delta R.T. -0.03 min

Lab File: BF093930.D

Acq: 25 Mar 2017 2:09

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	755401		
128	48.5	34.0	51.0	
54	48.9	42.2	63.2	





#27

2,4-Dimethylphenol

Concen: 19.96 ng

RT: 7.07 min Scan# 881

Delta R.T. -0.02 min

Lab File: BF093930.D

Acq: 25 Mar 2017 2:09

Instrument :

BNA_F

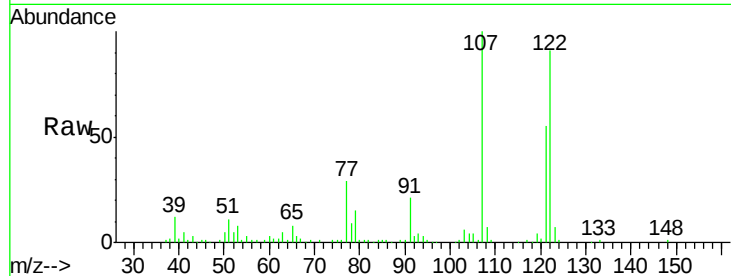
ClientSampleId :

E2-B4567-CONCRETE

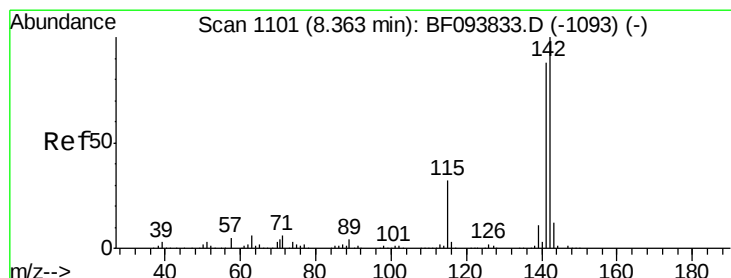
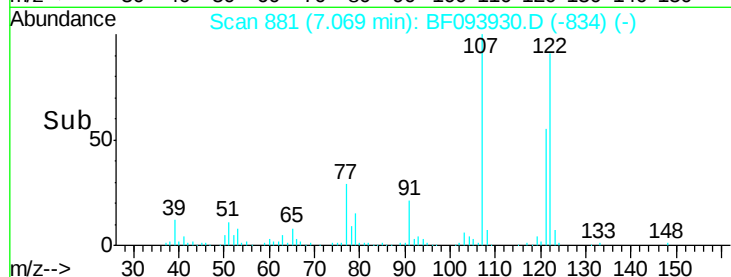
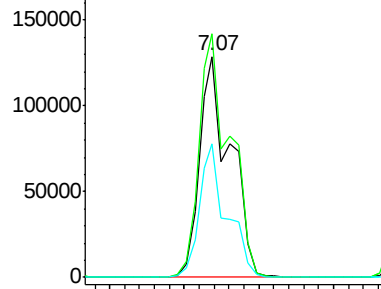
Tot Ion:	122	Resp:	185353
Ion Ratio	Lower	Upper	
122	100		
107	110.2	89.2	133.8
121	60.2	45.2	67.8

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Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#37

2-Methylnaphthalene

Concen: 5.47 ng

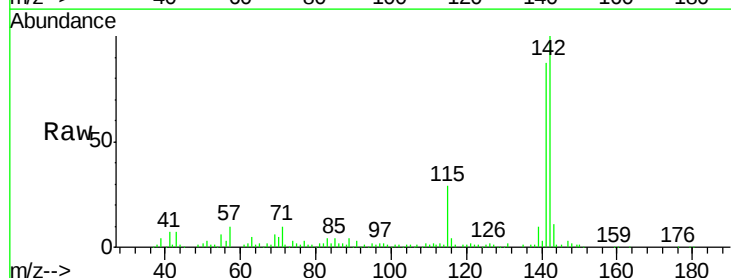
RT: 8.33 min Scan# 1096

Delta R.T. -0.03 min

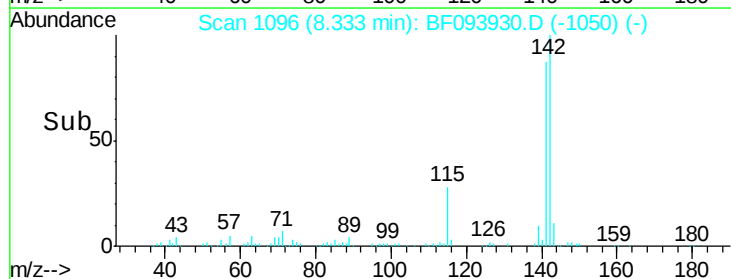
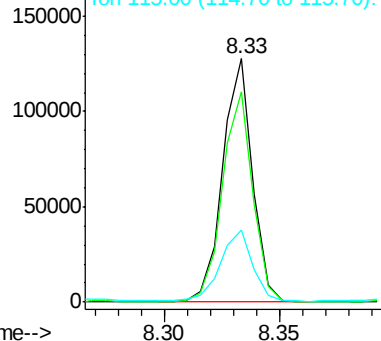
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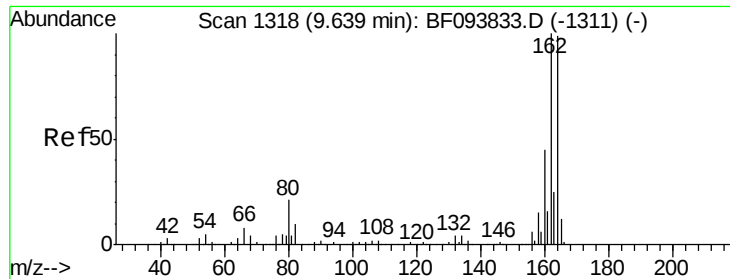
Acq: 25 Mar 2017 2:09

Tgt Ion:	142	Resp:	114705
Ion Ratio	Lower	Upper	
142	100		
141	86.5	71.3	106.9
115	29.4	27.1	40.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





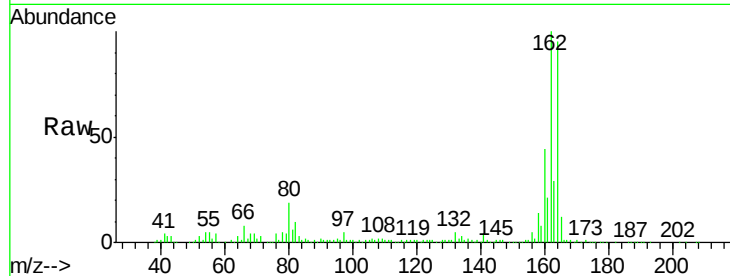
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 1313
 Delta R.T. -0.03 min
 Lab File: BF093930.D
 Acq: 25 Mar 2017 2:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-B4567-CONCRETE

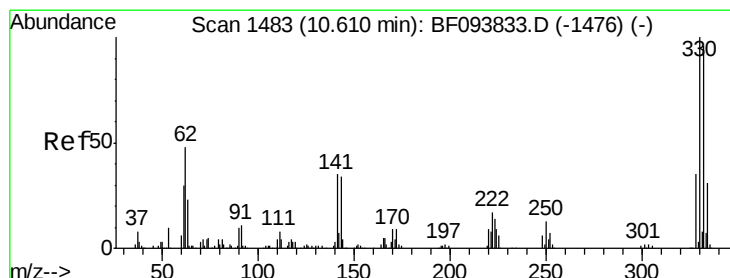
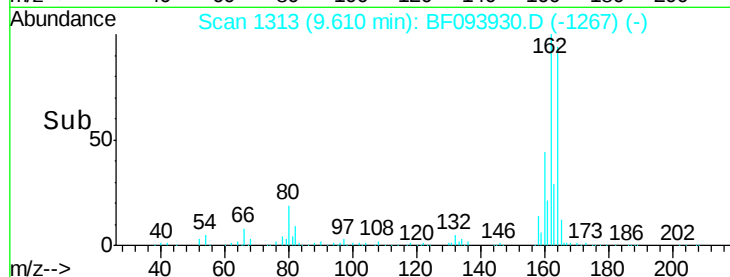
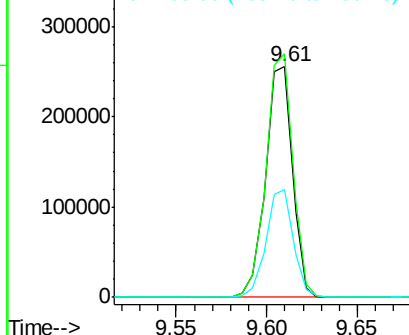
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.7	82.6	123.8	
160	46.9	36.2	54.2	

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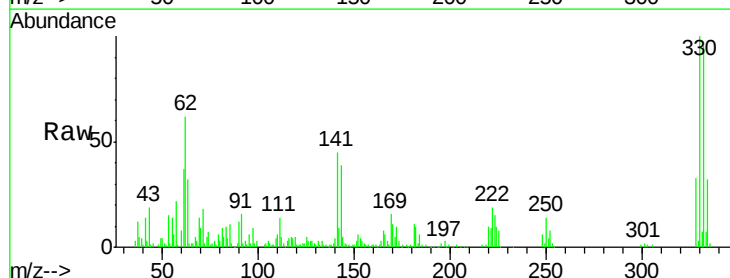


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

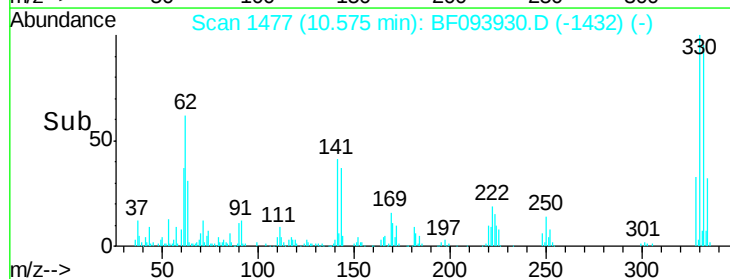
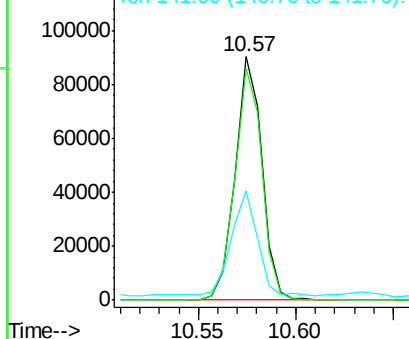


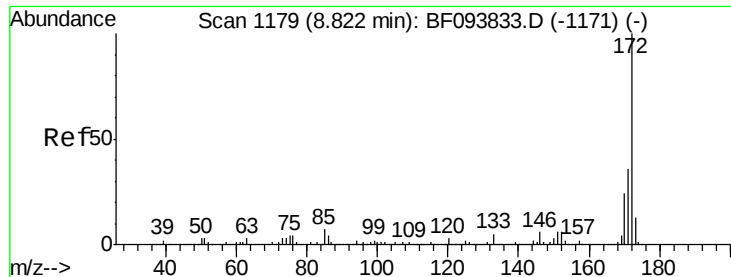
#41
 2,4,6-Tribromophenol
 Concen: 40.99 ng
 RT: 10.57 min Scan# 1477
 Delta R.T. -0.04 min
 Lab File: BF093930.D
 Acq: 25 Mar 2017 2:09

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.8	76.6	115.0	
141	42.5	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: 76.59 ng

RT: 8.79 min Scan# 1174

Delta R.T. -0.03 min

Lab File: BF093930.D

Acq: 25 Mar 2017 2:09

Instrument :

BNA_F

ClientSampleId :

E2-B4567-CONCRETE

Tot Ion:172 Resp: 1331468

Ion Ratio Lower Upper

172 100

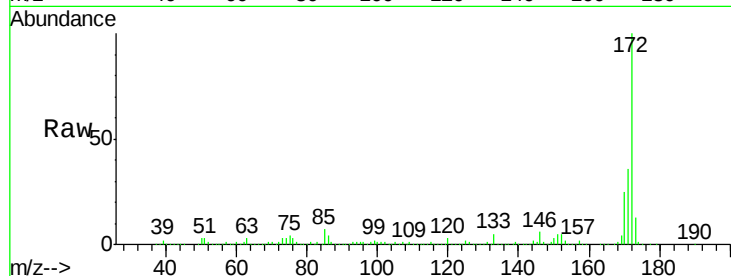
171 36.3 29.6 44.4

170 24.5 19.8 29.8

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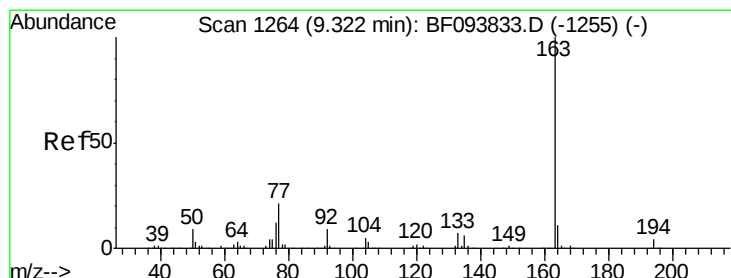
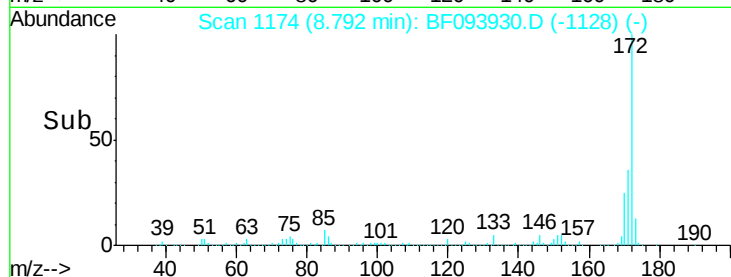
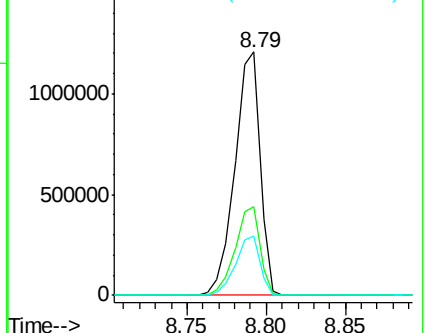
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 5.67 ng

RT: 9.28 min Scan# 1257

Delta R.T. -0.04 min

Lab File: BF093930.D

Acq: 25 Mar 2017 2:09

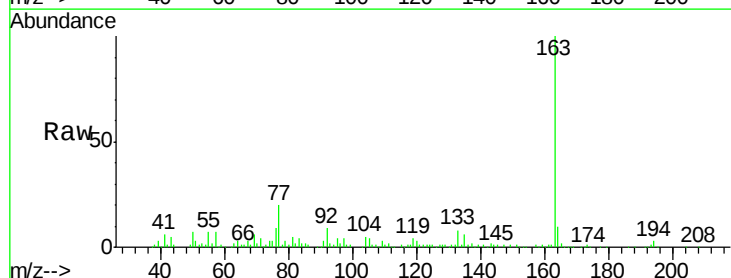
Tgt Ion:163 Resp: 106820

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

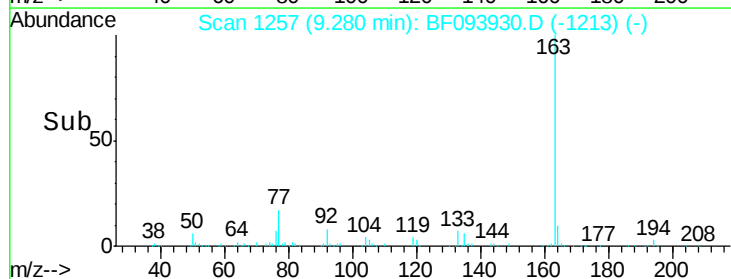
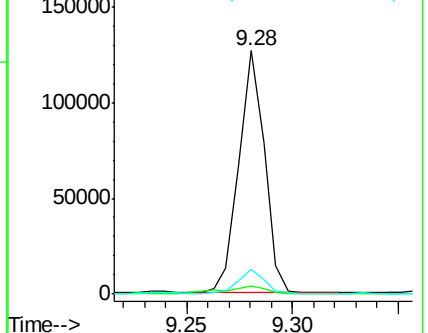
164 9.9 8.4 12.6

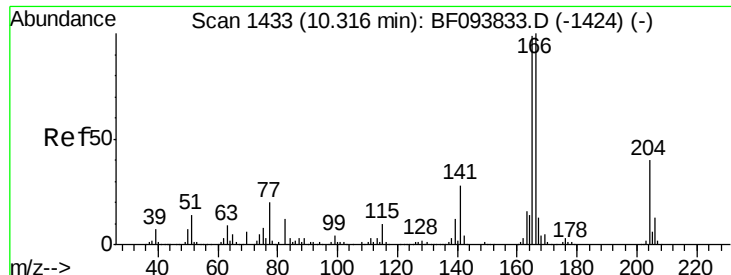


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





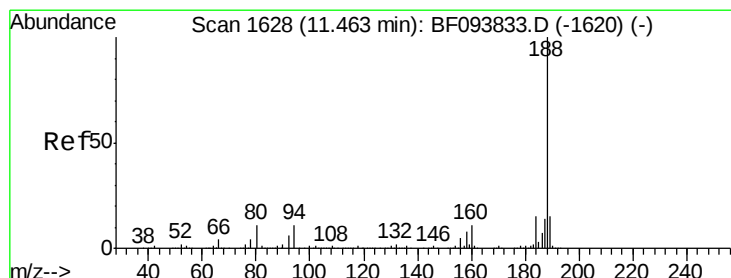
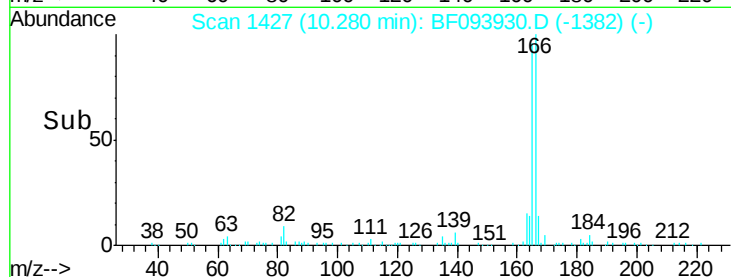
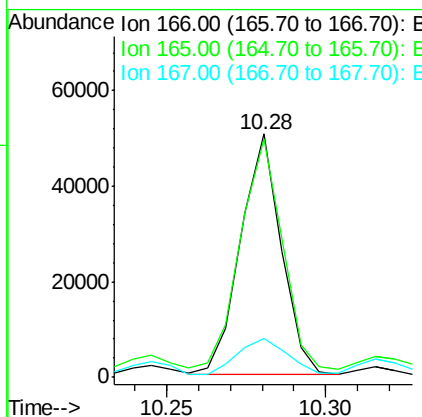
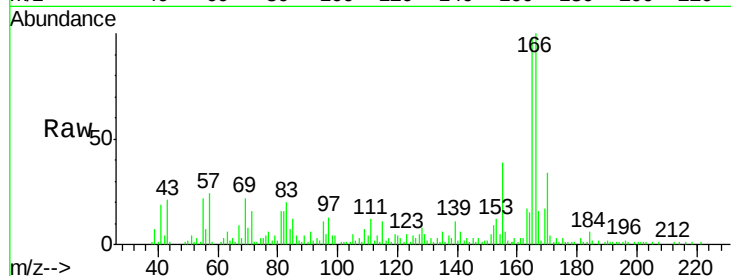
#57
Fluorene
 Concen: 2.44 ng
 RT: 10.28 min Scan# 1427
 Delta R.T. -0.04 min
 Lab File: BF093930.D
 Acq: 25 Mar 2017 2:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-B4567-CONCRETE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		44722		
165	98.1	78.8	118.2		
167	16.0	10.6	16.0#		

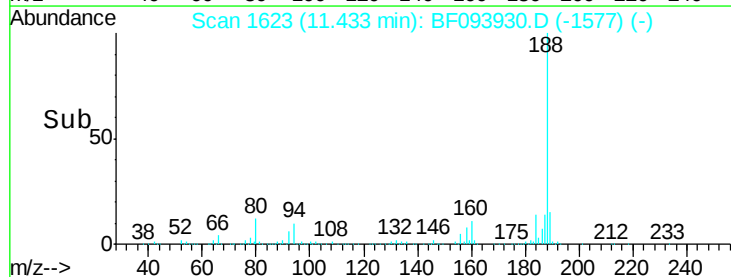
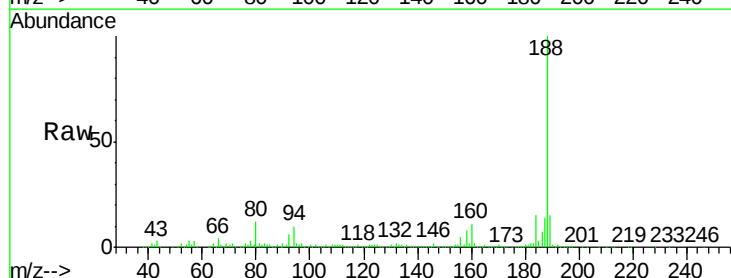
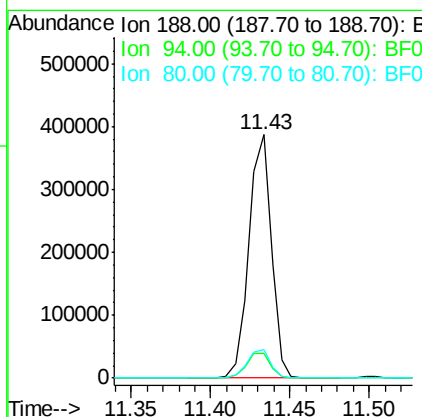
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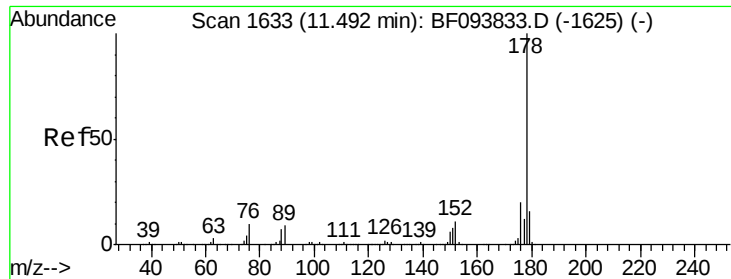
mohammad
 3/27/2017 12:56:52 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.43 min Scan# 1623
 Delta R.T. -0.03 min
 Lab File: BF093930.D
 Acq: 25 Mar 2017 2:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		380705		
94	10.3	9.4	14.2		
80	11.7	10.2	15.2		





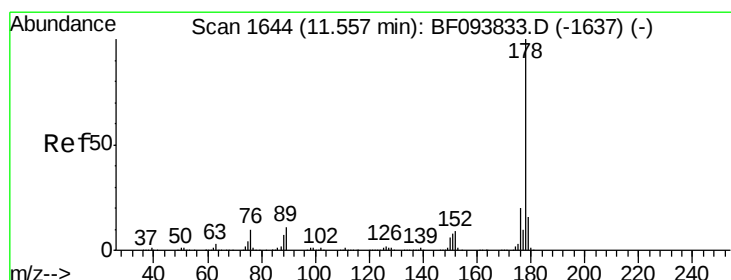
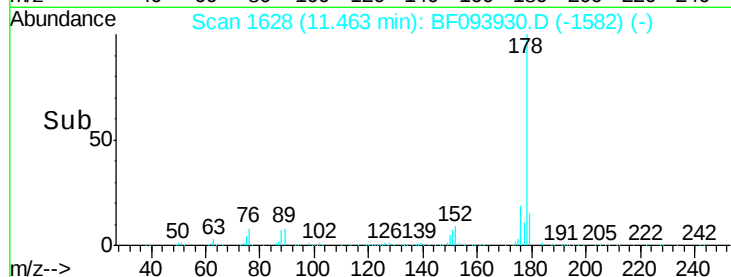
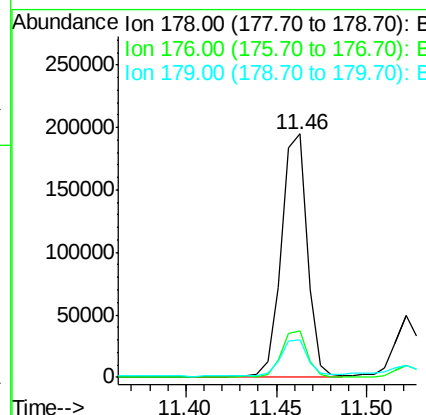
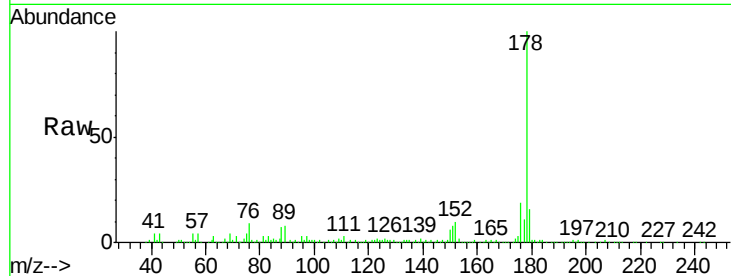
#70
Phenanthrene
Concen: 9.10 ng
RT: 11.46 min Scan# 1628
Delta R.T. -0.03 min
Lab File: BF093930.D
Acq: 25 Mar 2017 2:09

Instrument :
BNA_F
ClientSampleId :
E2-B4567-CONCRETE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	15.7	12.6	19.0

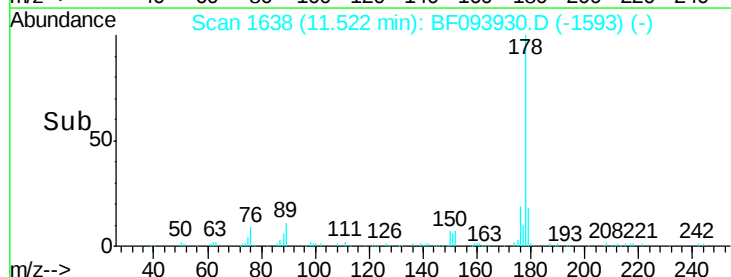
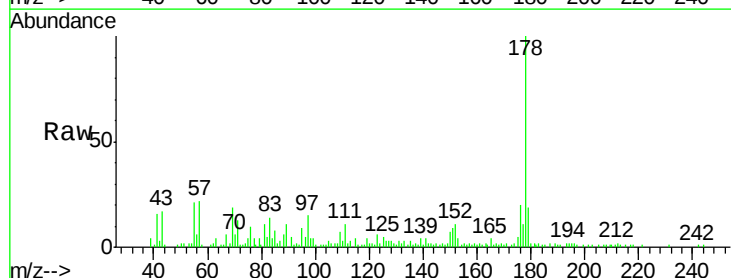
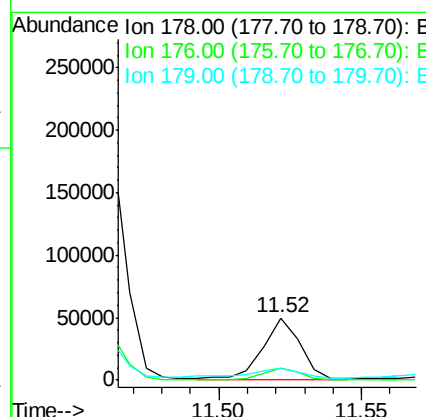
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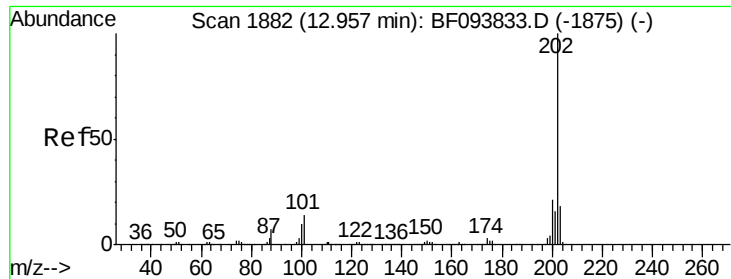
mohammad
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#71
Anthracene
Concen: 2.16 ng m
RT: 11.52 min Scan# 1638
Delta R.T. -0.04 min
Lab File: BF093930.D
Acq: 25 Mar 2017 2:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	19.4	12.7	19.1#





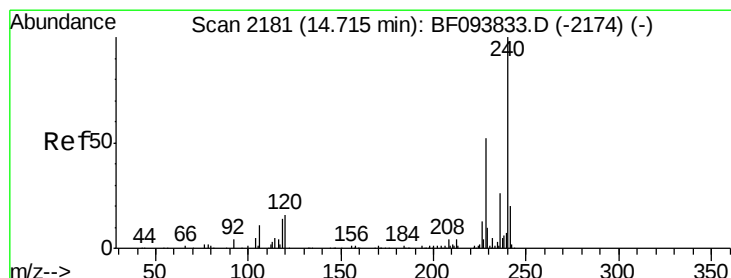
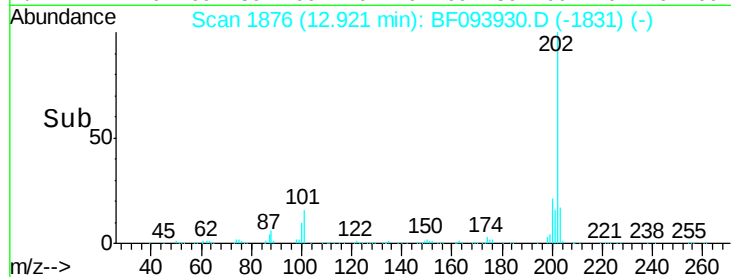
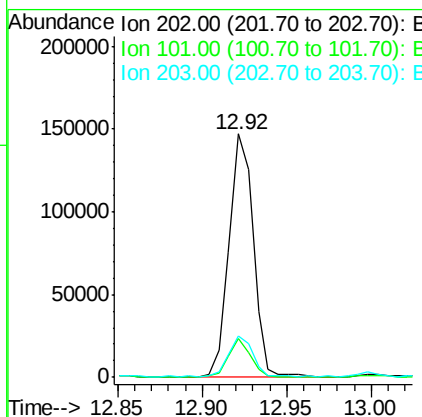
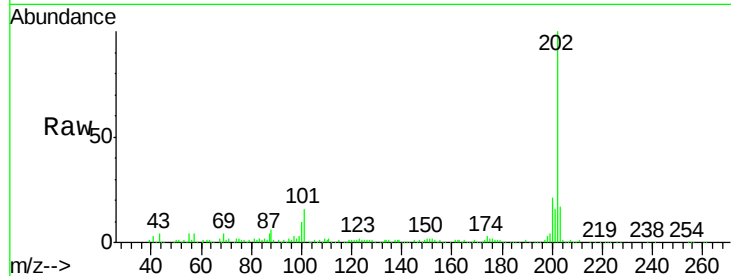
#74
 Fluoranthene
 Concen: 6.73 ng
 RT: 12.92 min Scan# 1876
 Delta R.T. -0.04 min
 Lab File: BF093930.D
 Acq: 25 Mar 2017 2:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-B4567-CONCRETE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	15.8	0.0	33.2		
203	17.2	0.0	38.1		

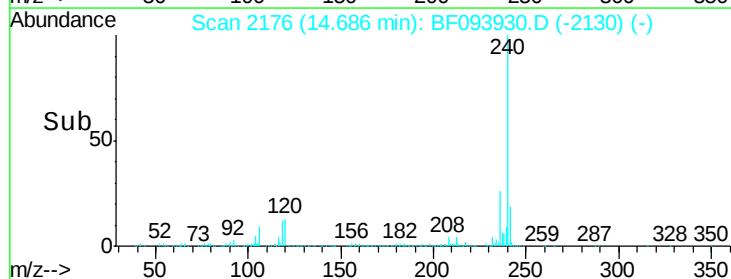
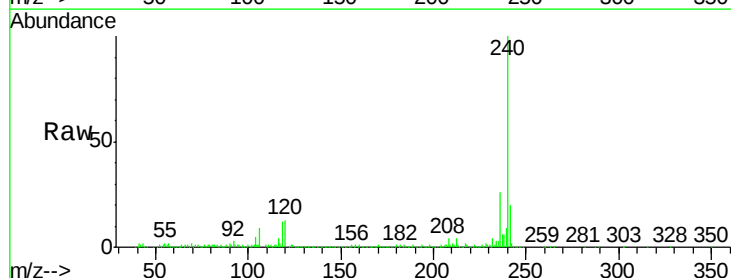
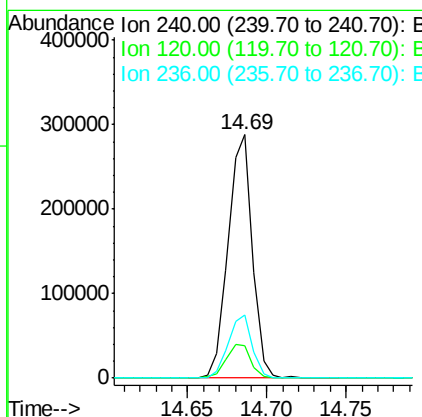
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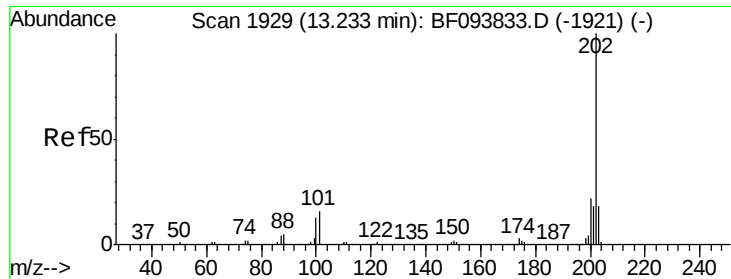
mohammad
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.69 min Scan# 2176
 Delta R.T. -0.03 min
 Lab File: BF093930.D
 Acq: 25 Mar 2017 2:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	13.1	5.8	8.8#		
236	25.9	20.5	30.7		





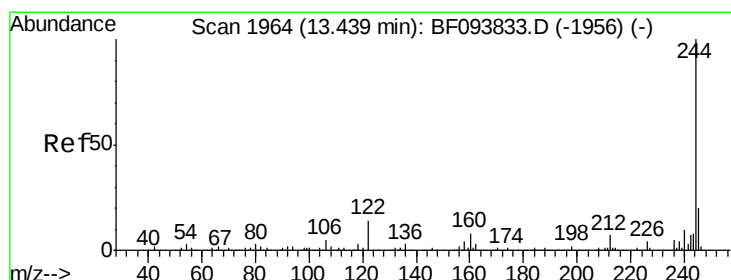
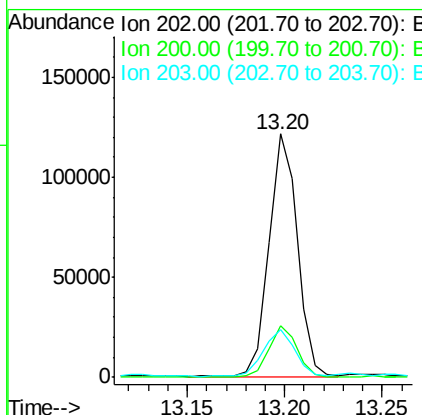
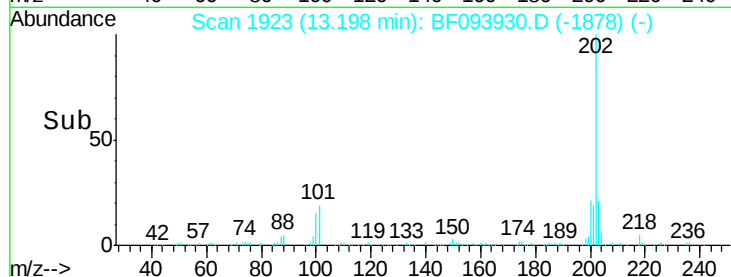
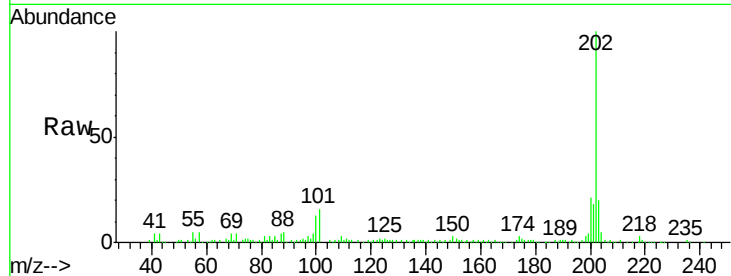
#77
Pvrene
Concen: 5.49 ng
RT: 13.20 min Scan# 1923
Delta R.T. -0.04 min
Lab File: BF093930.D
Acq: 25 Mar 2017 2:09

Instrument :
BNA_F
ClientSampleId :
E2-B4567-CONCRETE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.6	26.4
203	19.6	14.4	21.6

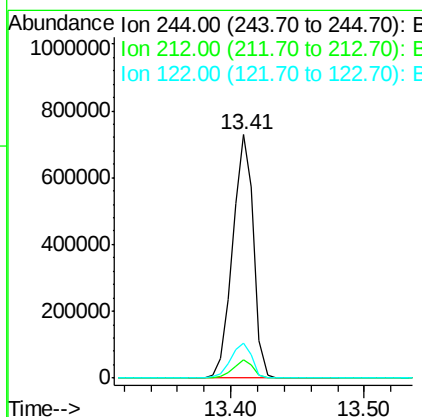
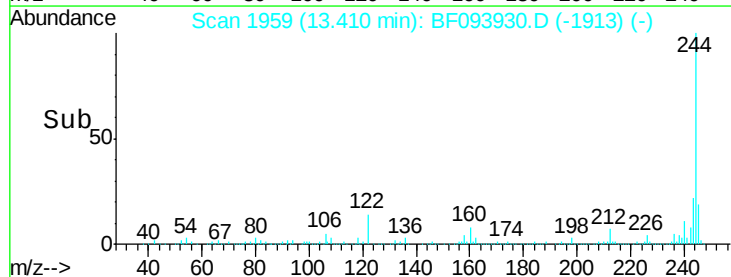
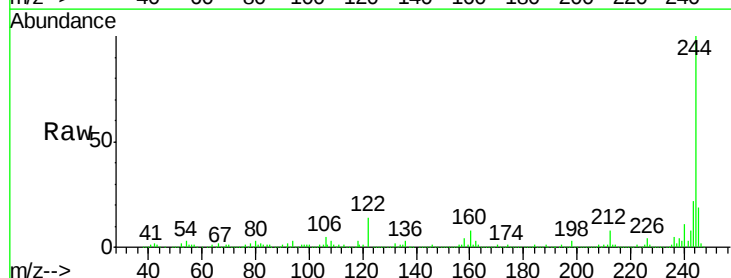
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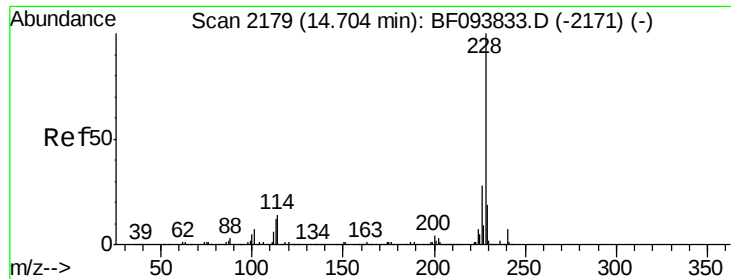
mohammad
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#78
Terphenyl-d14
Concen: 58.41 ng
RT: 13.41 min Scan# 1959
Delta R.T. -0.03 min
Lab File: BF093930.D
Acq: 25 Mar 2017 2:09

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.5	6.0	9.0
122	14.1	10.3	15.5





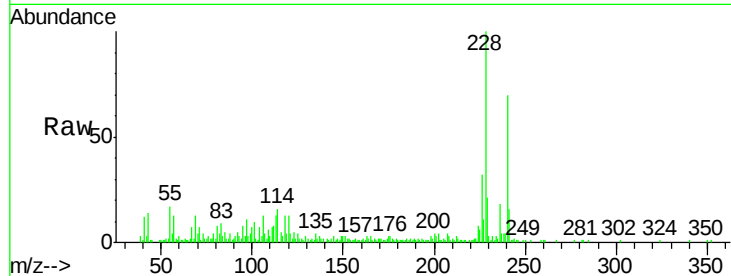
#80
Benzo(a)anthracene
Concen: 2.76 ng m
RT: 14.67 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF093930.D
Acq: 25 Mar 2017 2:09

Instrument :
BNA_F
ClientSampleId :
E2-B4567-CONCRETE

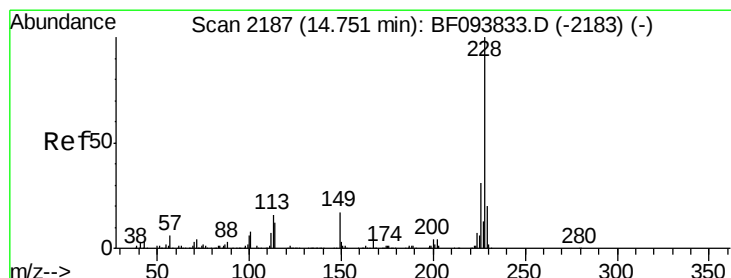
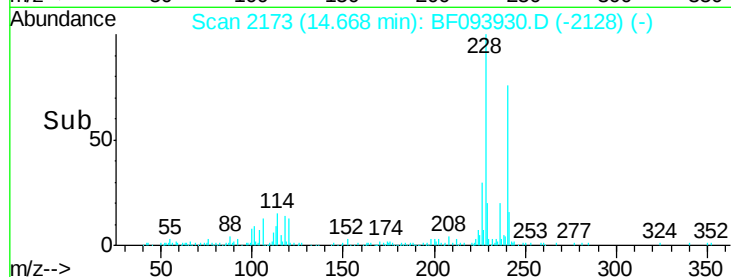
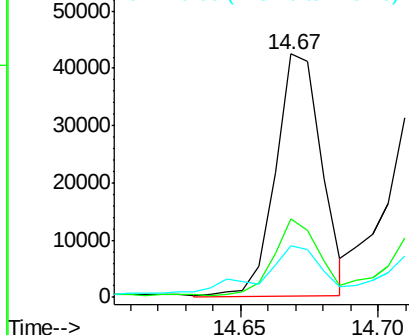
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.6	33.8
229	21.1	16.3	24.5

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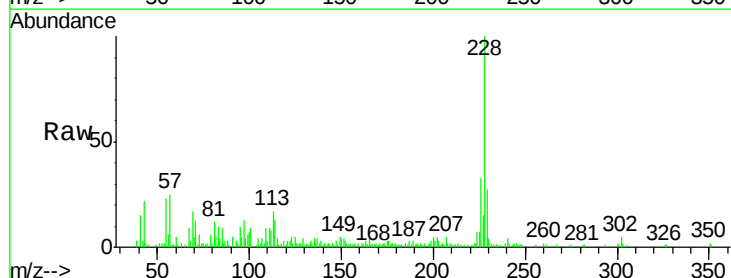


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

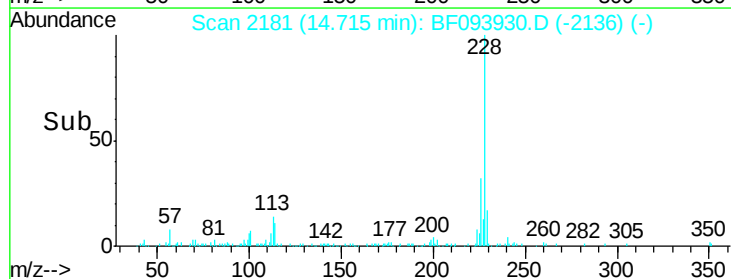
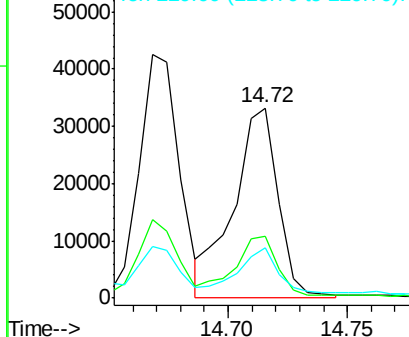


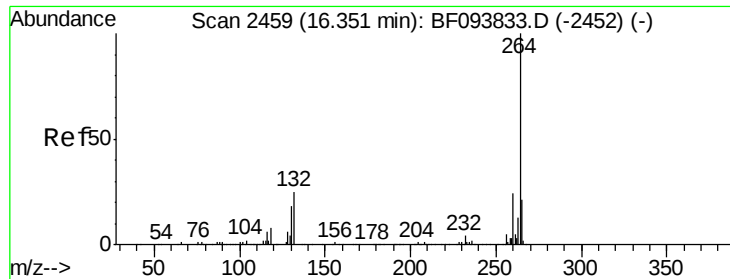
#82
Chrysene
Concen: 2.62 ng m
RT: 14.72 min Scan# 2181
Delta R.T. -0.04 min
Lab File: BF093930.D
Acq: 25 Mar 2017 2:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	24.9	37.3
229	26.8	15.8	23.6#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





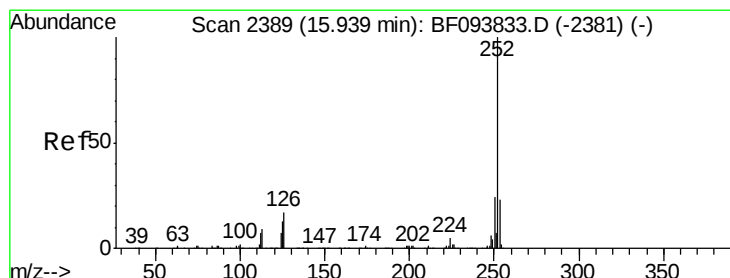
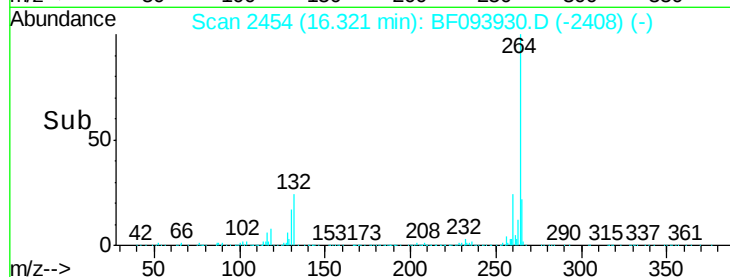
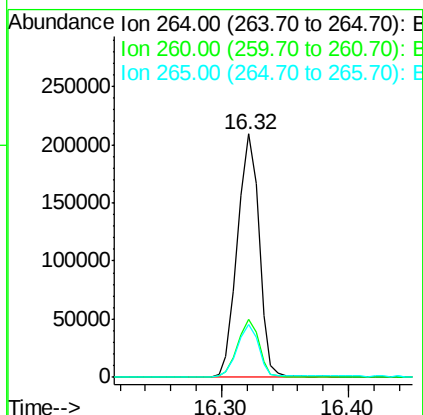
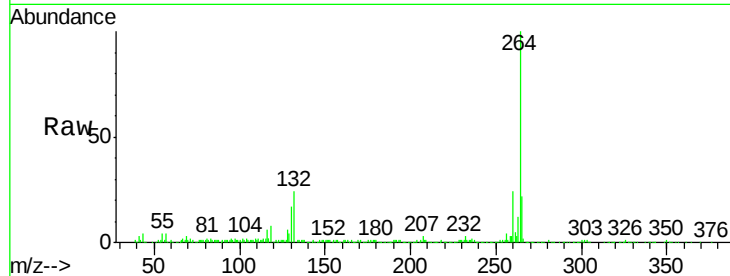
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.32 min Scan# 2454
Delta R.T. -0.03 min
Lab File: BF093930.D
Acq: 25 Mar 2017 2:09

Instrument :
BNA_F
ClientSampleId :
E2-B4567-CONCRETE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.8	17.2	25.8

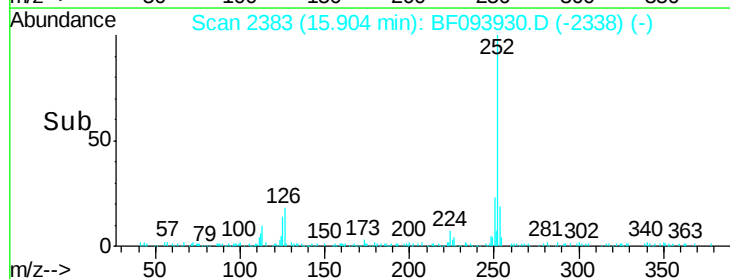
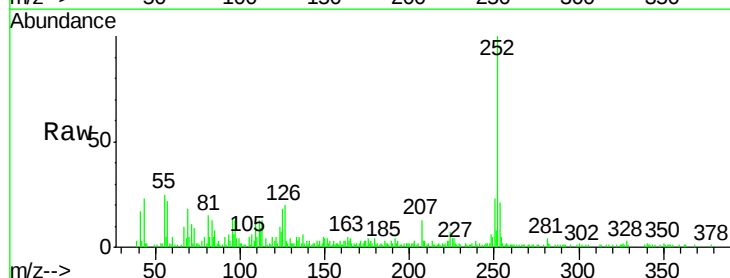
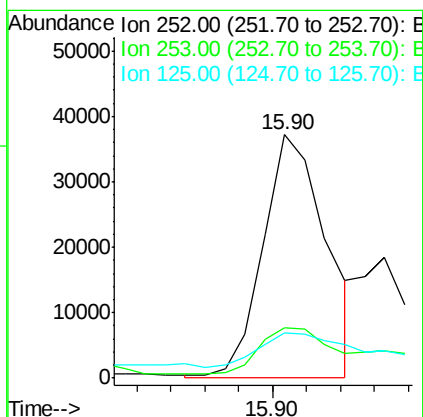
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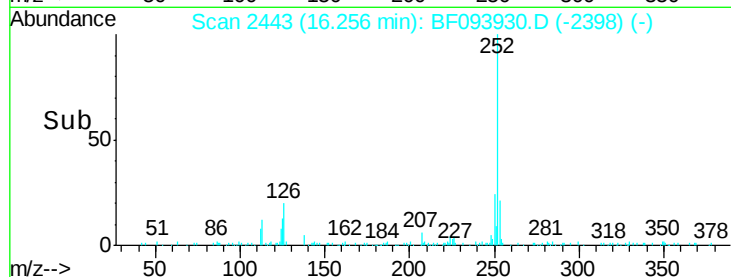
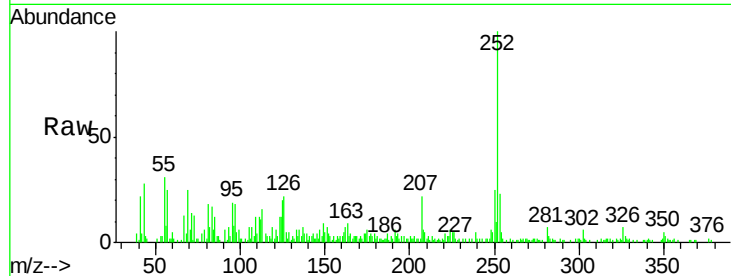
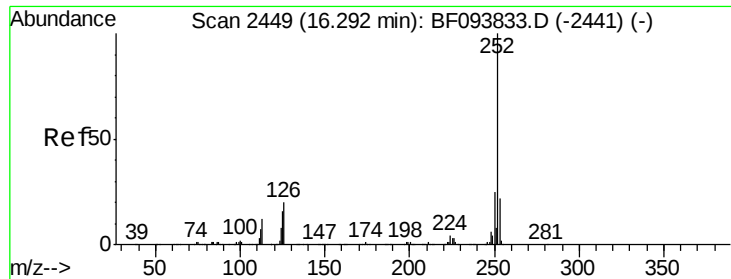
mohammad
3/27/2017 12:56:52 PM



#87
Benzo(b)fluoranthene
Concen: 3.18 ng m
RT: 15.90 min Scan# 2383
Delta R.T. -0.04 min
Lab File: BF093930.D
Acq: 25 Mar 2017 2:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	18.1	27.1
125	18.5	9.8	14.8





#89

Benzo(a)pyrene

Concen: 2.24 ng

RT: 16.26 min Scan# 2443

Delta R.T. -0.04 min

Lab File: BF093930.D

Acq: 25 Mar 2017 2:09

Instrument :

BNA_F

ClientSampleId :

E2-B4567-CONCRETE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	23.4		17.5	26.3	
125	20.1		11.0	16.4	

Manual Integrations
APPROVED

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3/27/2017 12:56:52 PM

