

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013017\
 Data File : BF092637.D
 Acq On : 30 Jan 2017 16:49
 Operator : SJ/MA
 Sample : I1305-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0024

Manual Integrations
 APPROVED

mohammad
 1/31/2017 4:44:53 PM

Quant Time: Jan 30 17:27:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	161501	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	663368	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	336263	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	567010	20.00	ng	0.01
75) Chrysene-d12	14.13	240	383308	20.00	ng	-0.01
86) Perylene-d12	15.62	264	290277	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	1000537	106.29	ng	0.00
7) Phenol-d6	6.61	99	1494766	123.41	ng	0.01
23) Nitrobenzene-d5	7.54	82	903133	75.81	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	326253	134.15	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1438042	77.48	ng	0.00
78) Terphenyl-d14	13.08	244	1236672	75.81	ng	0.00

Target Compounds

						Qvalue
8) 2-Chlorophenol	6.75	128	964702	92.89	ng	94
11) bis(2-Chloroethyl)ether	6.70	93	571443	50.52	ng	96
13) 1,4-Dichlorobenzene	6.98	146	1098048	89.19	ng	98
14) 1,2-Dichlorobenzene	7.14	146	1326405	112.67	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.24	45	983811	50.06	ng	75
17) 2-Methylphenol	7.23	107	1208461	135.64	ng	97
18) Hexachloroethane	7.48	117	612029	145.63	ng	99
20) 3+4-Methylphenols	7.39	107	1669323	156.71	ng	# 65
24) Nitrobenzene	7.56	77	1011166	82.67	ng	# 83
25) Isophorone	7.80	82	1780940	80.23	ng	97
26) 2-Nitrophenol	7.87	139	550760	94.72	ng	94
28) bis(2-Chloroethoxy)methane	8.01	93	1160928	78.97	ng	99
30) 1,2,4-Trichlorobenzene	8.20	180	1315802	128.21	ng	96
31) Naphthalene	8.28	128	1971896	58.64	ng	99
34) Hexachlorobutadiene	8.40	225	264316	46.81	ng	98
37) 2-Methylnaphthalene	8.98	142	2661638	123.27	ng	98
42) 2,4,6-Trichlorophenol	9.25	196	802112	129.32	ng	92
43) 2,4,5-Trichlorophenol	9.30	196	953232	140.27	ng	# 84
49) Dimethylphthalate	9.74	163	2594844	114.57	ng	99
50) 2,6-Dinitrotoluene	9.81	165	895849	183.15	ng	# 89
54) Dibenzofuran	10.22	168	3831321	145.60	ng	98
55) 4-Nitrophenol	10.14	139	383827	95.20	ng	94
56) 2,4-Dinitrotoluene	10.20	165	427222	65.60	ng	94
60) 4-Chlorophenyl-phenylether	10.56	204	1093654	112.45	ng	90
66) 4-Bromophenyl-phenylether	11.05	248	876639	147.98	ng	98
69) Pentachlorophenol	11.31	266	447762	142.03	ng	98
70) Phenanthrene	11.53	178	2380878	73.29	ng	99
71) Anthracene	11.58	178	2464953	75.56	ng	99
73) Di-n-butylphthalate	12.07	149	3642662	108.01	ng	99
74) Fluoranthene	12.73	202	4005533	119.54	ng	97
77) Pyrene	12.96	202	3577936	124.73	ng	99
79) Butylbenzylphthalate	13.56	149	1154418	99.10	ng	# 83
82) Chrysene	14.18	228	2749465	125.26	ng	99
83) Bis(2-ethylhexyl)phthalate	14.12	149	2487437	156.14	ng	# 95

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0024

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 30 14:50:05 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Di-n-octyl phthalate	14.74	149	3693257	142.37	ng	99
85) Indeno(1,2,3-cd)pyrene	17.12	276	2454725	144.38	ng	98
87) Benzo(b)fluoranthene	15.20	252	3910908m	204.69	ng	
88) Benzo(k)fluoranthene	15.23	252	2039172m	123.61	ng	
89) Benzo(a)pyrene	15.56	252	1984919	120.10	ng	99
90) Dibenzo(a,h)anthracene	17.14	278	1335948	100.02	ng	97

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

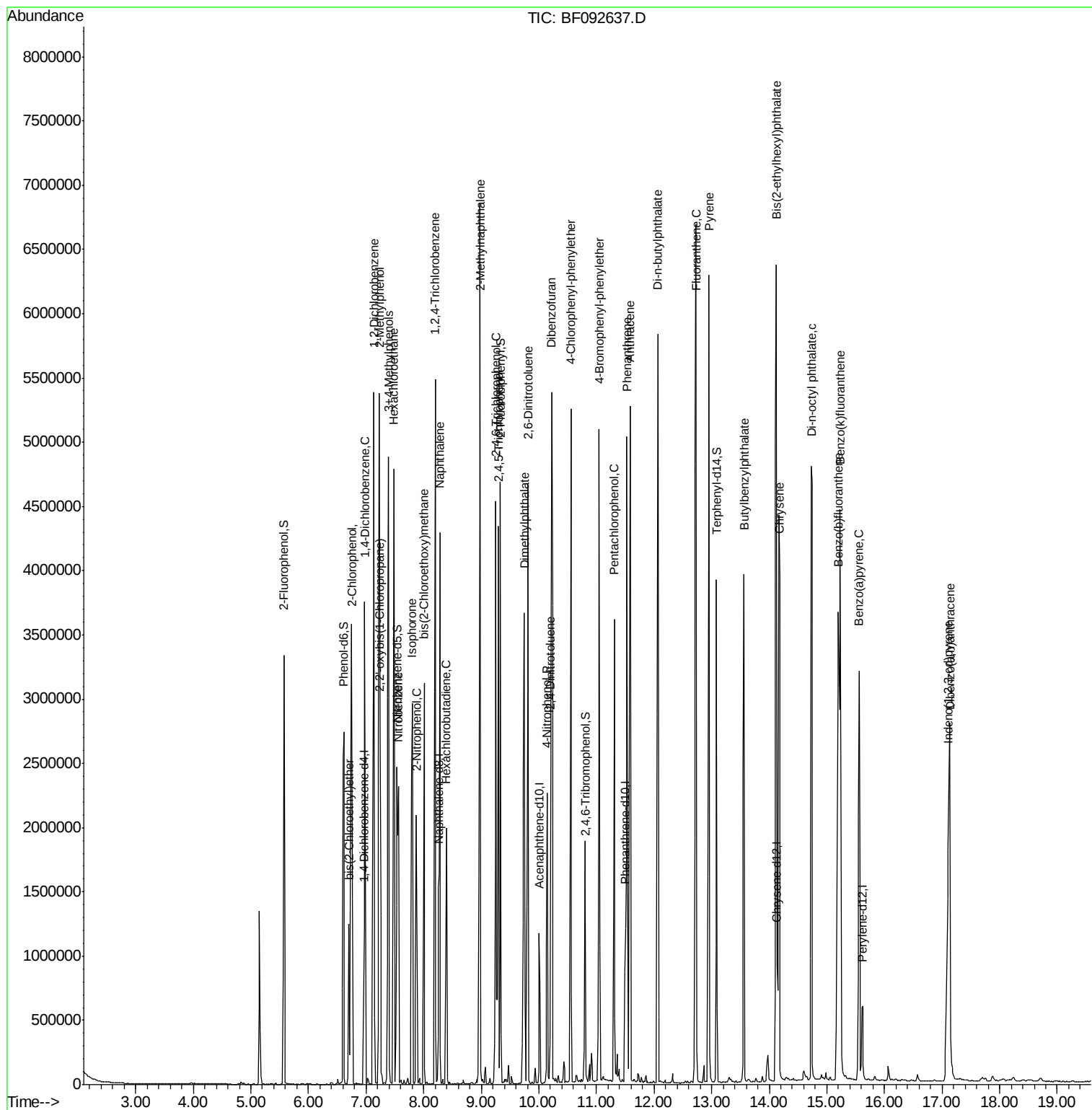
Data Path : Z:\HPCHEM1\BNA F\DATA\BF013017\
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Acq On : 30 Jan 2017 16:49
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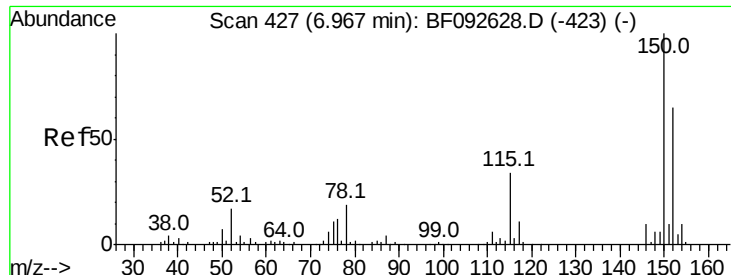
Instrument :
BNA_F
ClientSampled :
0024

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#1

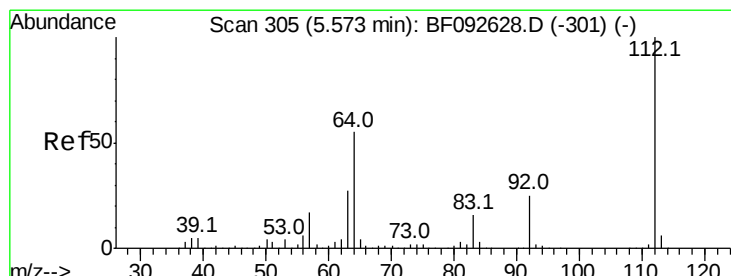
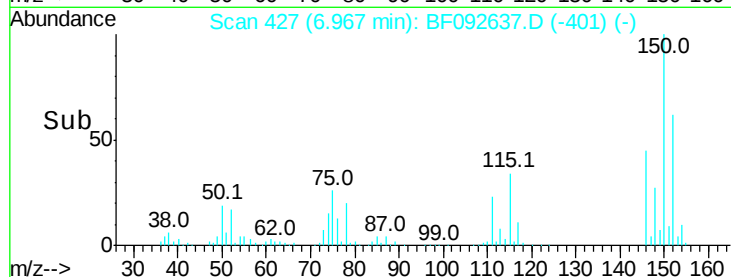
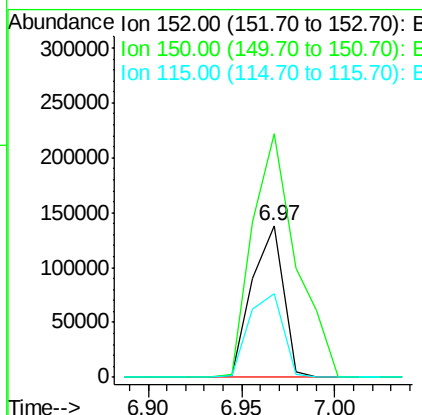
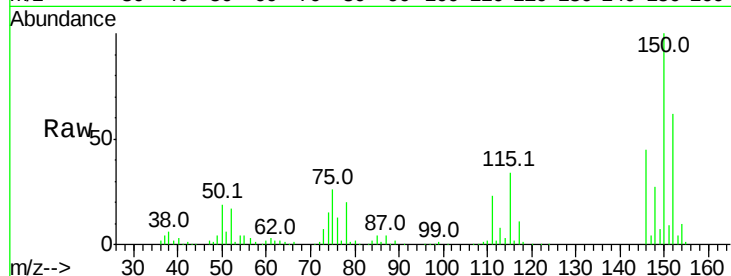
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF092637.D
Acq: 30 Jan 2017 16:49

Instrument :
BNA_F
ClientSampled :
0024

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	124.9	187.3
115	55.2	46.0	69.0

Manual Integrations
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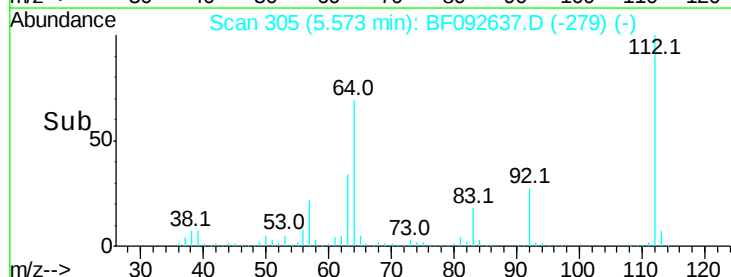
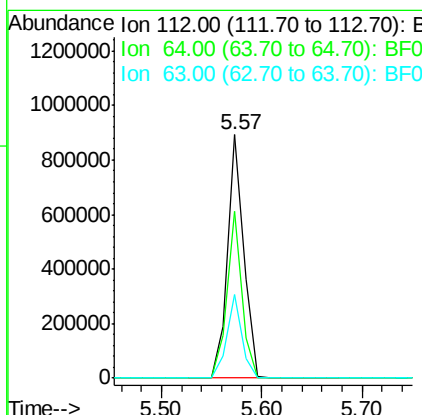
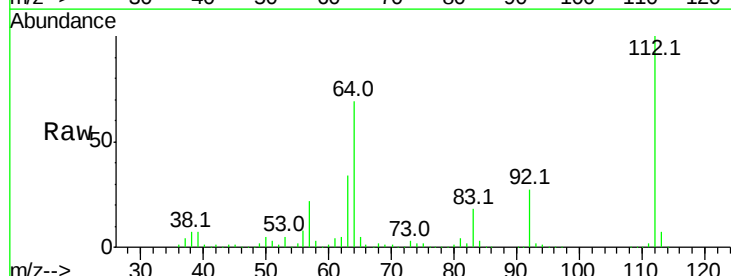
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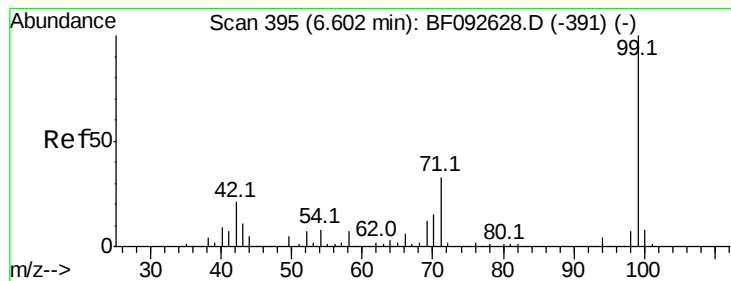


#5

2-Fluorophenol
Concen: 106.29 ng
RT: 5.57 min Scan# 305
Delta R.T. 0.00 min
Lab File: BF092637.D
Acq: 30 Jan 2017 16:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	46.1	69.1
63	34.4	23.8	35.6





#7

Phenol-d6

Concen: 123.41 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.01 min

Lab File: BF092637.D

Acq: 30 Jan 2017 16:49

Instrument :

BNA_F

ClientSampled :

0024

Tot Ion: 99 Resp: 1494766

Ion Ratio Lower Upper

99 100

42 15.8 15.6 23.4

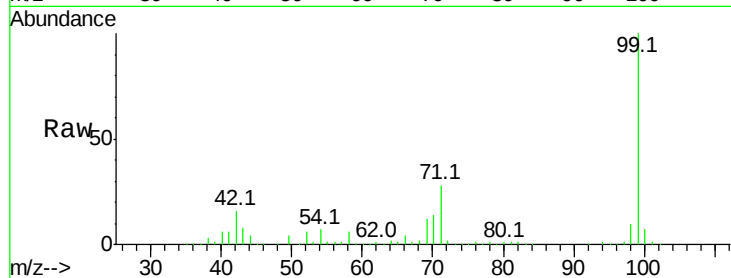
71 28.3 27.5 41.3

Manual Integrations

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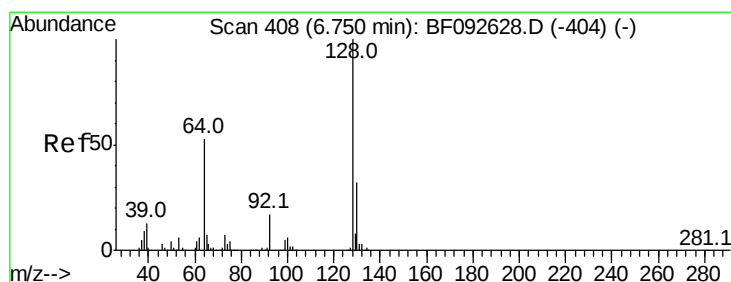
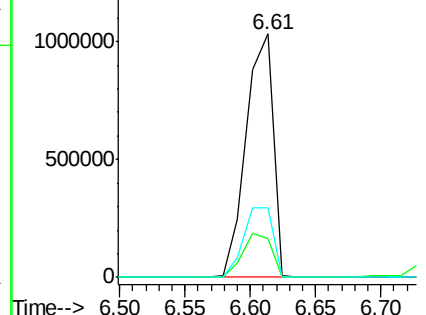
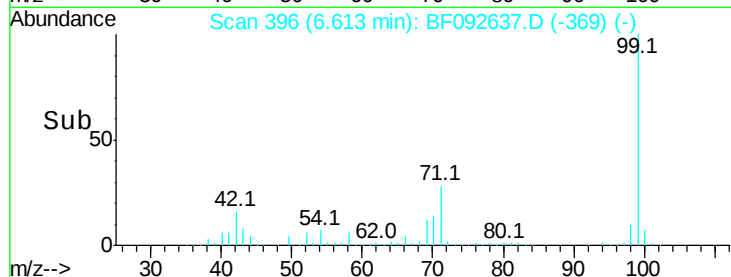
1/31/2017 4:44:53 PM



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



#8

2-Chlorophenol

Concen: 92.89 ng

RT: 6.75 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF092637.D

Acq: 30 Jan 2017 16:49

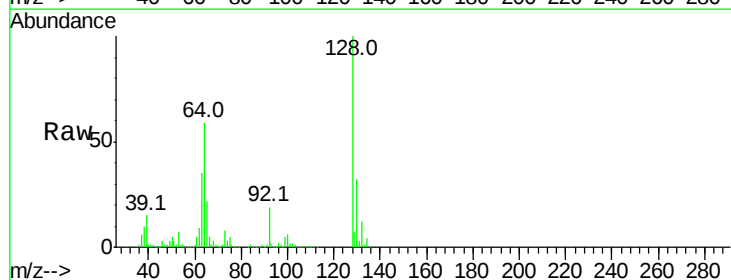
Tgt Ion:128 Resp: 964702

Ion Ratio Lower Upper

128 100

130 32.3 12.3 52.3

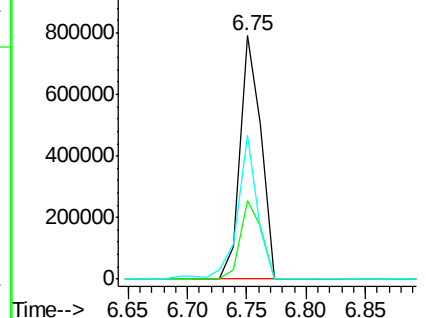
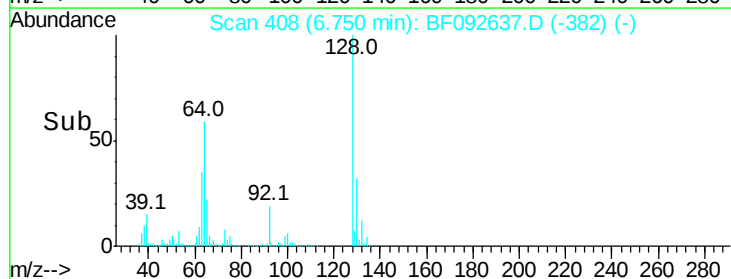
64 59.1 32.2 72.2

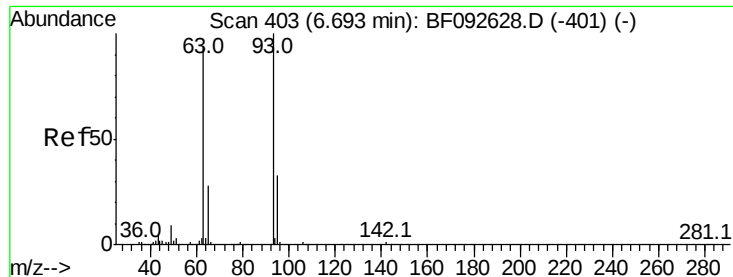


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





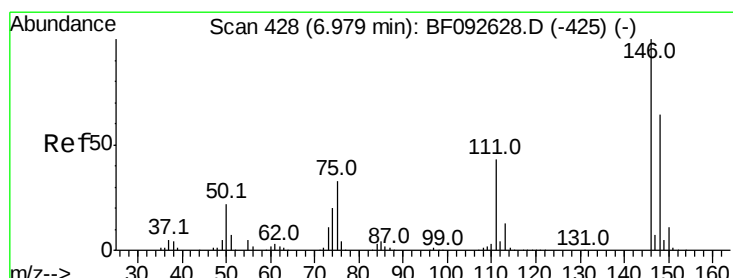
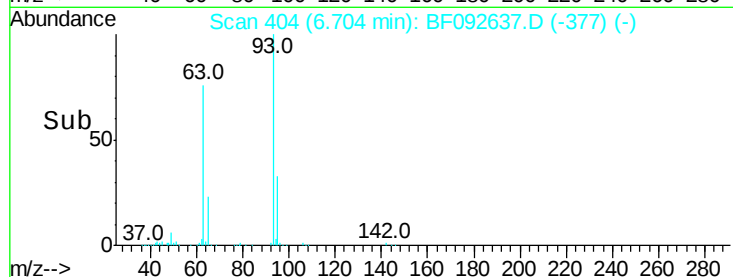
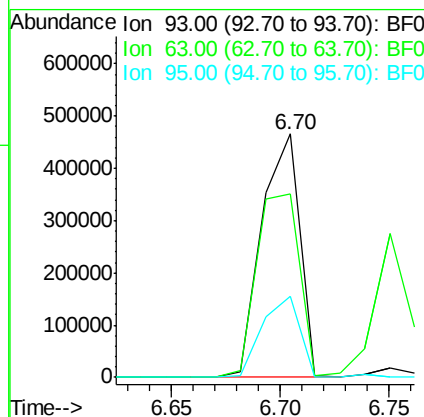
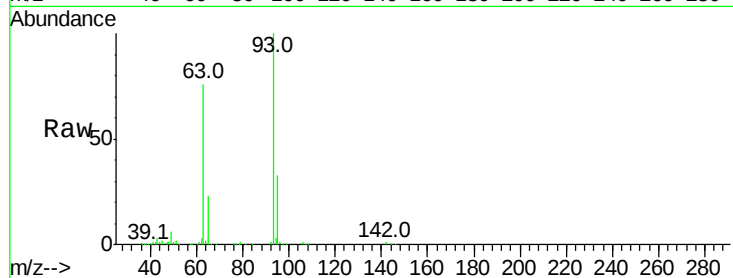
#11
bis(2-Chloroethyl)ether
Concen: 50.52 ng
RT: 6.70 min Scan# 404
Delta R.T. 0.01 min
Lab File: BF092637.D
Acq: 30 Jan 2017 16:49

Instrument :
BNA_F
ClientSampleId :
0024

Tot Ion	Ratio	Lower	Upper
93	100		
63	75.6	60.4	100.4
95	33.1	12.8	52.8

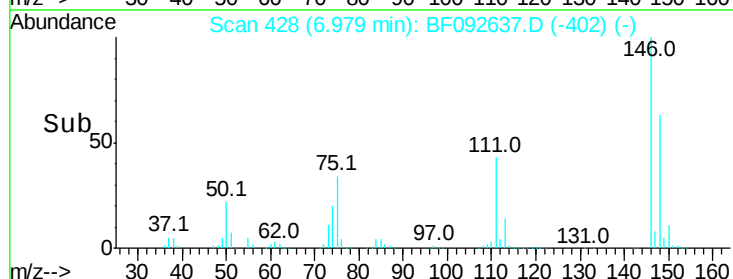
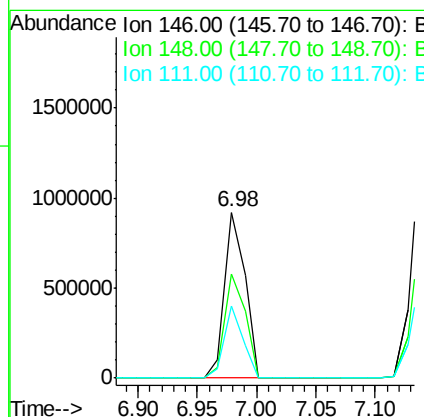
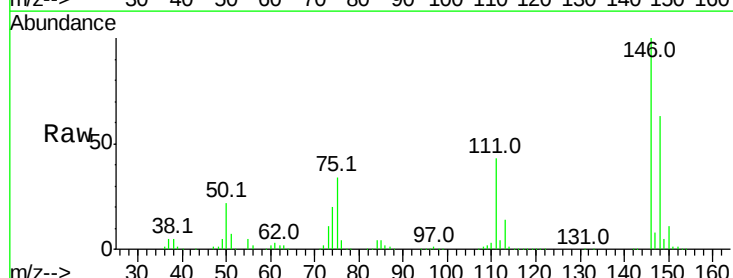
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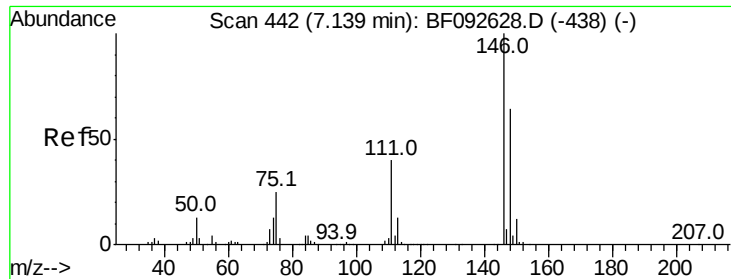
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#13
1,4-Dichlorobenzene
Concen: 89.19 ng
RT: 6.98 min Scan# 428
Delta R.T. 0.00 min
Lab File: BF092637.D
Acq: 30 Jan 2017 16:49

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.6	76.0
111	43.4	36.2	54.4





#14

1,2-Dichlorobenzene

Concen: 112.67 ng

RT: 7.14 min Scan# 442

Delta R.T. 0.00 min

Lab File: BF092637.D

Acq: 30 Jan 2017 16:49

Instrument :

BNA_F

ClientSampleId :

0024

Tot Ion:146 Resp: 1326405

Ion Ratio Lower Upper

146 100

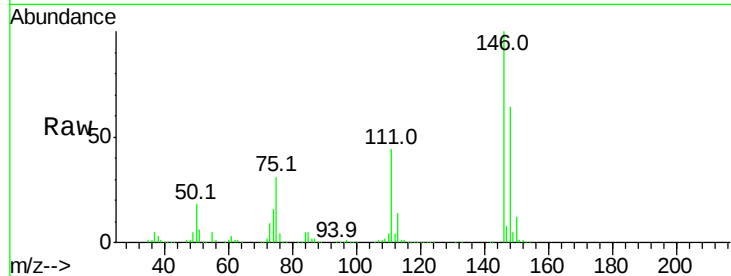
148 64.2 52.2 78.2

111 43.7 36.2 54.2

Manual Integrations
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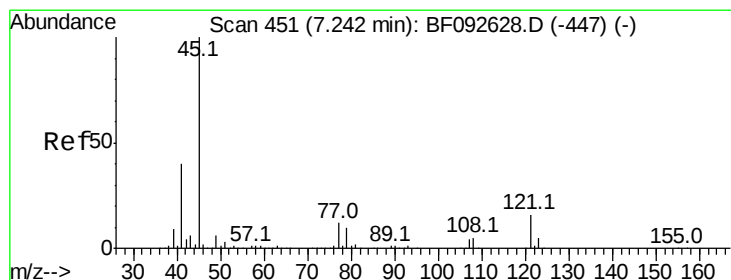
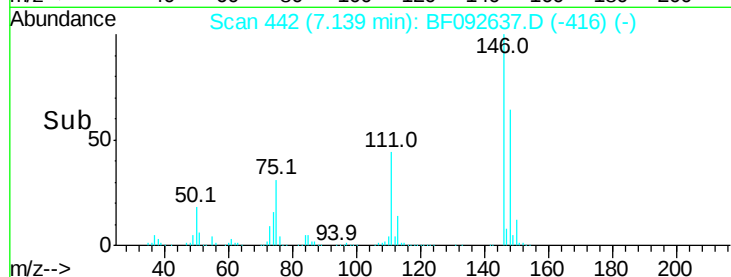
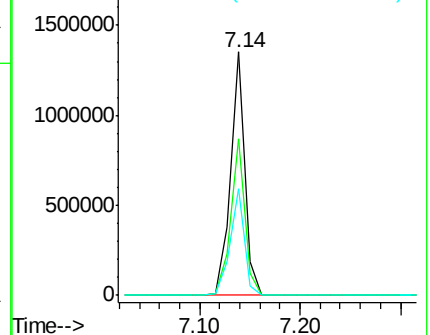
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Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#16

2,2'-oxybis(1-Chloropropane)

Concen: 50.06 ng

RT: 7.24 min Scan# 451

Delta R.T. 0.00 min

Lab File: BF092637.D

Acq: 30 Jan 2017 16:49

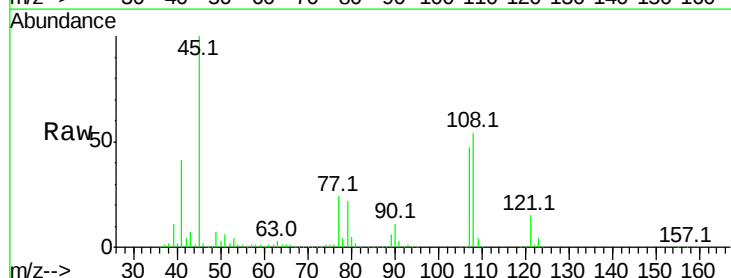
Tgt Ion: 45 Resp: 983811

Ion Ratio Lower Upper

45 100

77 24.2 0.0 34.6

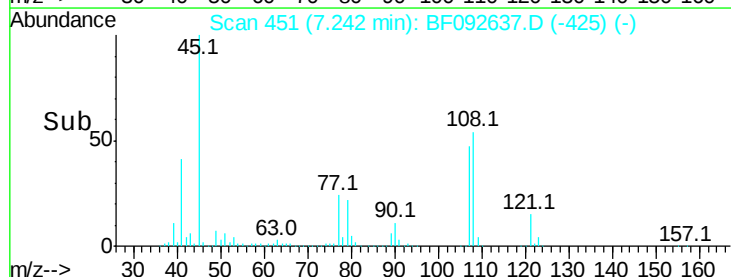
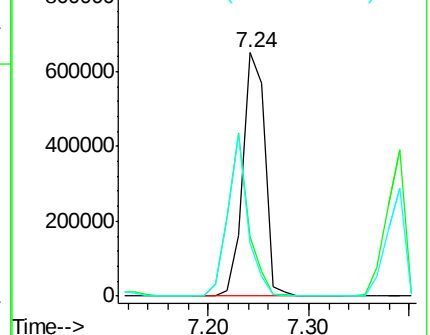
79 21.8 0.0 31.2

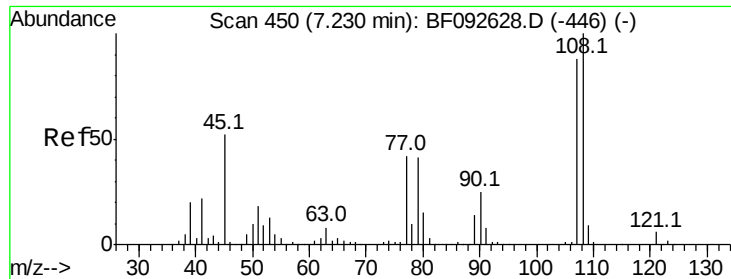


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 135.64 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.00 min

Lab File: BF092637.D

Acq: 30 Jan 2017 16:49

Instrument :

BNA_F

ClientSampleId :

0024

Tot Ion:107 Resp: 1208461

Ion Ratio Lower Upper

107 100

108 112.3 93.0 139.6

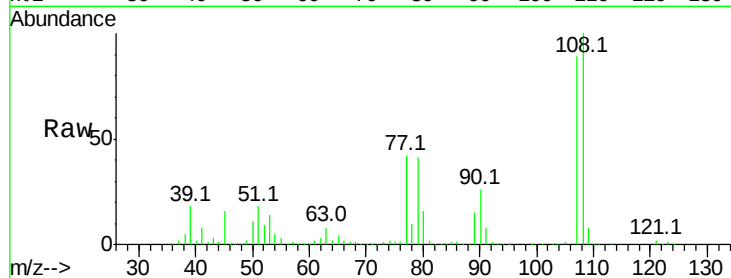
77 46.9 39.8 59.8

79 46.5 38.0 57.0

Manual Integrations
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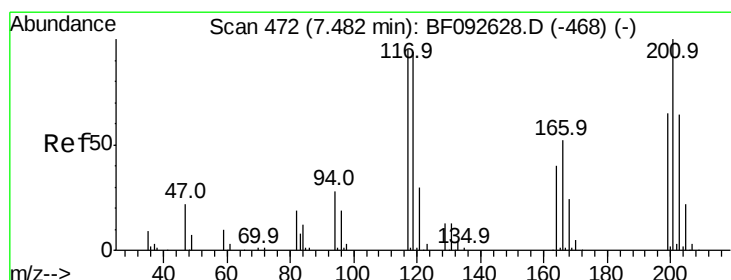
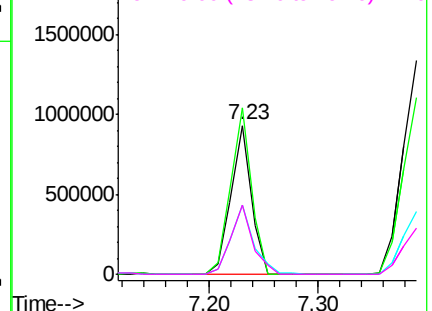
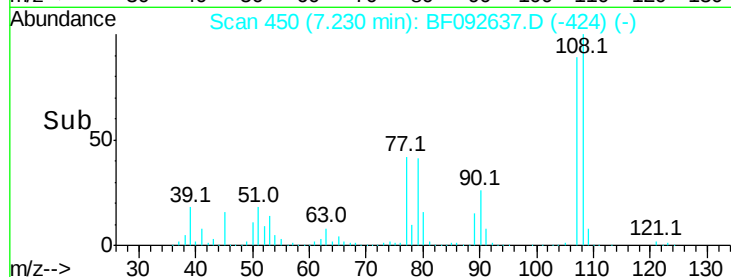
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 145.63 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF092637.D

Acq: 30 Jan 2017 16:49

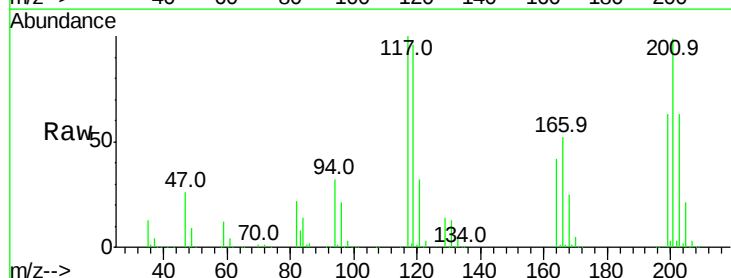
Tgt Ion:117 Resp: 612029

Ion Ratio Lower Upper

117 100

119 96.5 78.1 117.1

201 98.6 78.6 117.8

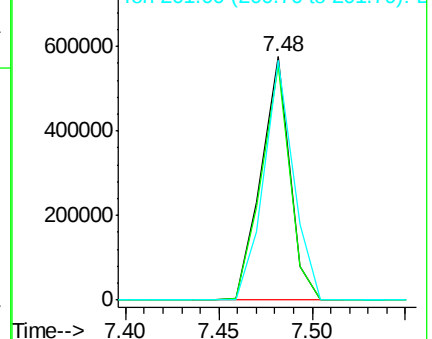
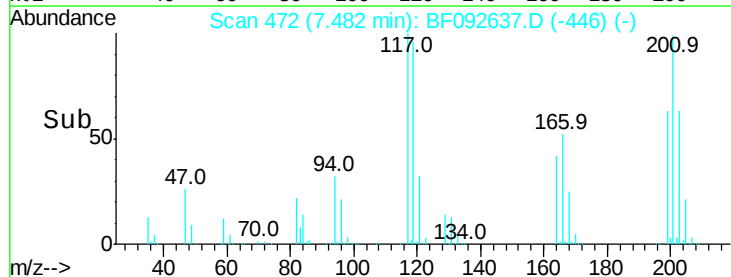


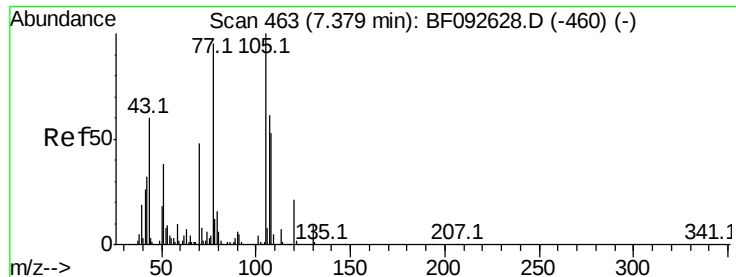
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





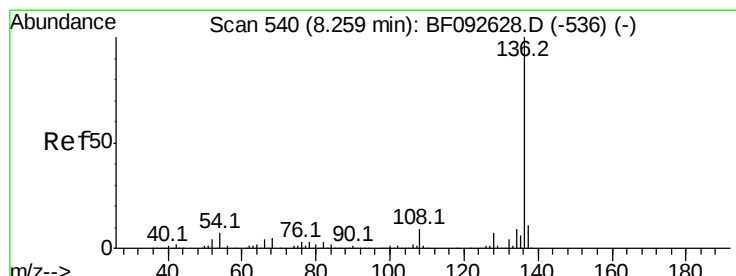
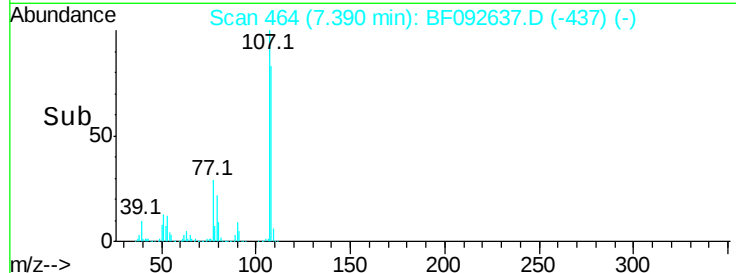
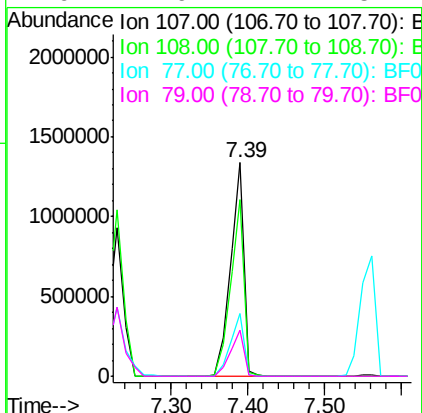
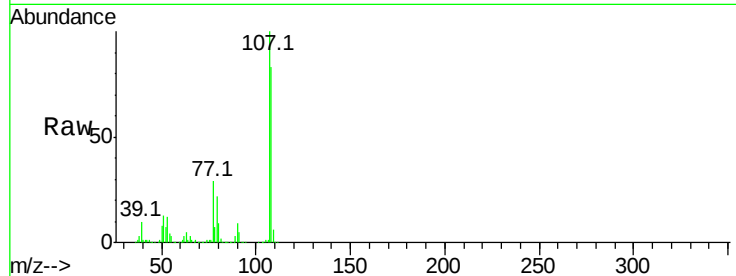
#20
3+4-Methylphenols
Concen: 156.71 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.01 min
Lab File: BF092637.D
Acq: 30 Jan 2017 16:49

Instrument :
BNA_F
ClientSampleId :
0024

Tot Ion	Ratio	Lower	Upper
107	100		
108	82.7	73.0	113.0
77	29.3	71.3	111.3#
79	21.6	11.1	51.1

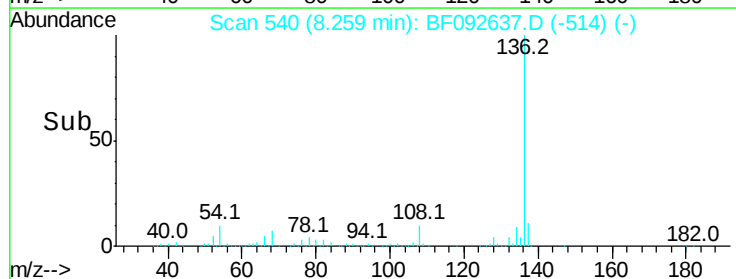
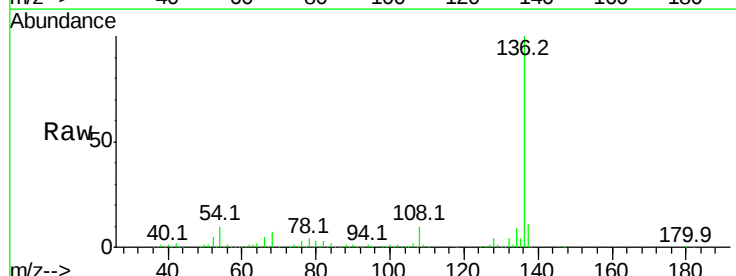
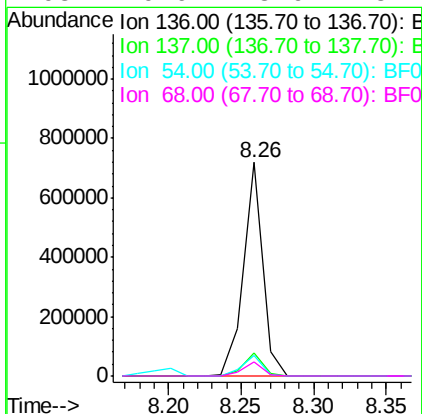
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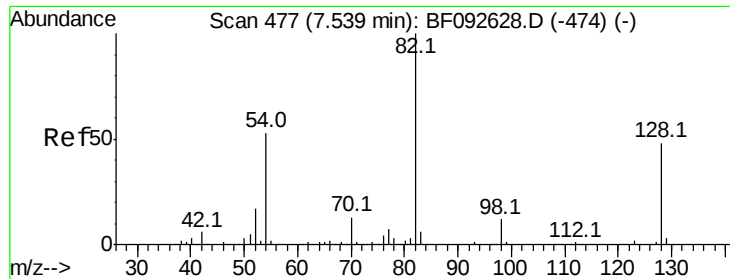
mohammad
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF092637.D
Acq: 30 Jan 2017 16:49

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	9.8	4.5	6.7#
68	6.6	3.6	5.4#





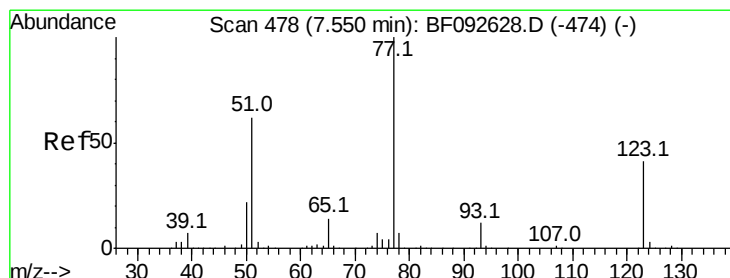
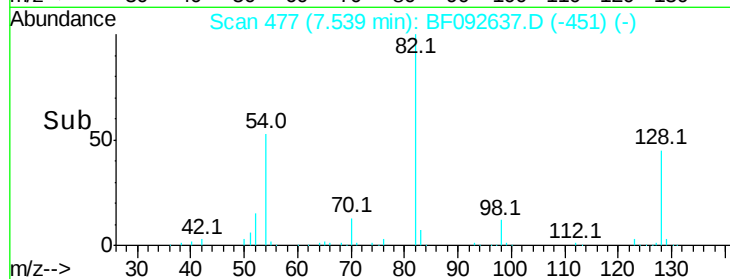
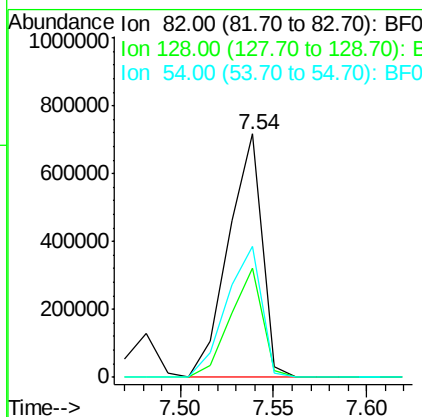
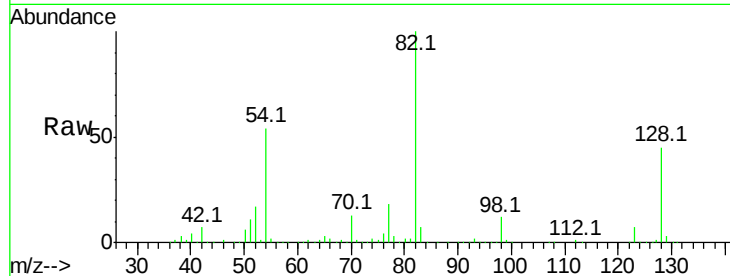
#23
 Nitrobenzene-d5
 Concen: 75.81 ng
 RT: 7.54 min Scan# 477
 Delta R.T. 0.00 min
 Lab File: BF092637.D
 Acq: 30 Jan 2017 16:49

Instrument :
 BNA_F
 ClientSampleId :
 0024

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.6	52.0
54	53.7	39.5	59.3

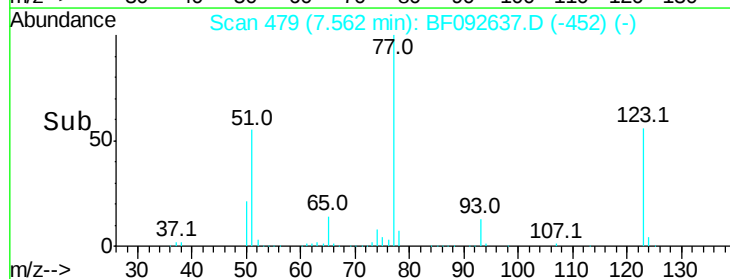
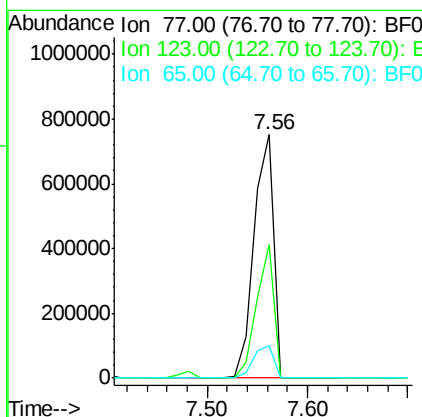
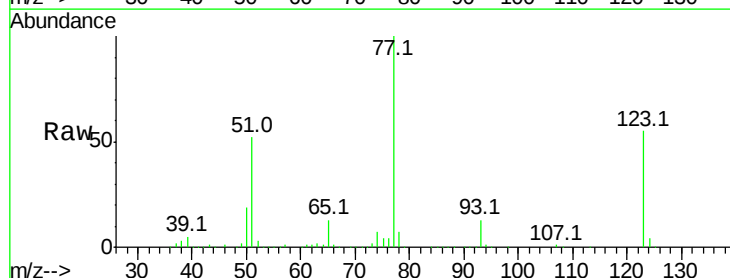
Manual Integrations
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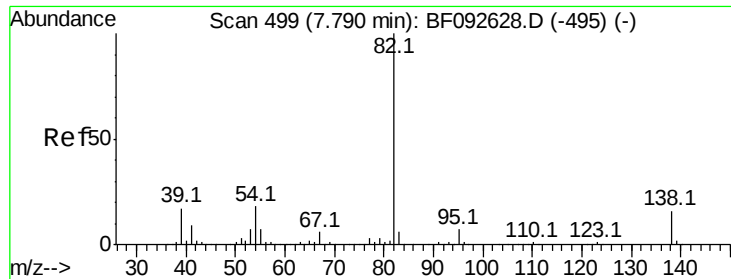
mohammad
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#24
 Nitrobenzene
 Concen: 82.67 ng
 RT: 7.56 min Scan# 479
 Delta R.T. 0.01 min
 Lab File: BF092637.D
 Acq: 30 Jan 2017 16:49

Tgt Ion	Ratio	Lower	Upper
77	100		
123	54.9	33.0	49.4#
65	13.2	11.2	16.8





#25

Isophorone

Concen: 80.23 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF092637.D

Acq: 30 Jan 2017 16:49

Instrument :

BNA_F

ClientSampleId :

0024

Tot Ion: 82 Resp: 1780940

Ion Ratio Lower Upper

82 100

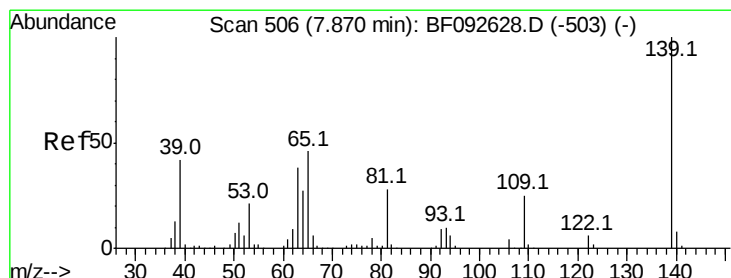
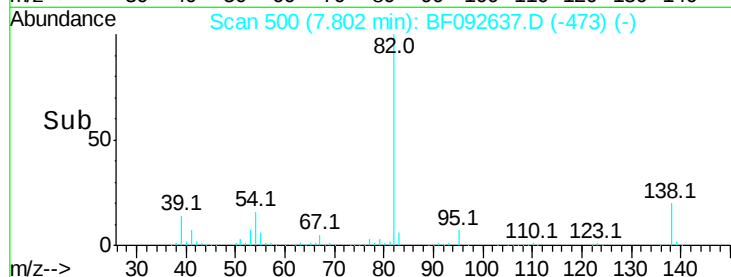
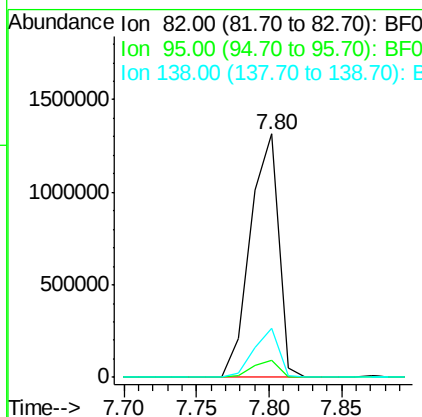
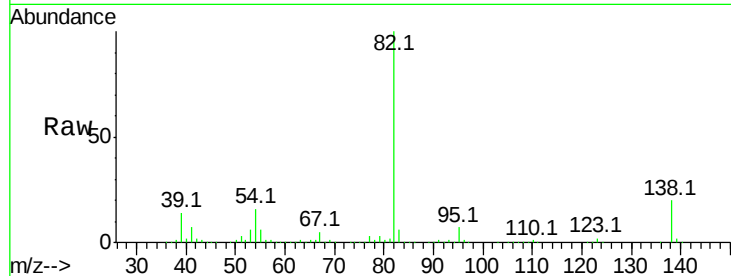
95 7.1 5.6 8.4

138 20.1 14.6 22.0

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#26

2-Nitrophenol

Concen: 94.72 ng

RT: 7.87 min Scan# 506

Delta R.T. 0.00 min

Lab File: BF092637.D

Acq: 30 Jan 2017 16:49

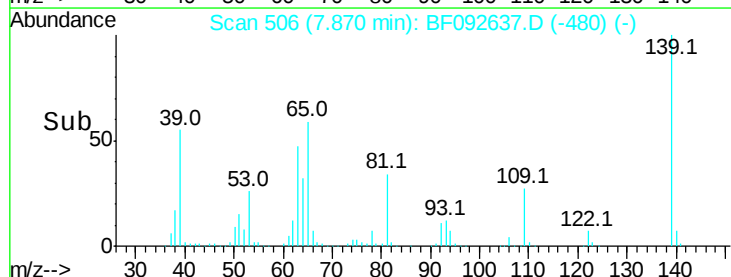
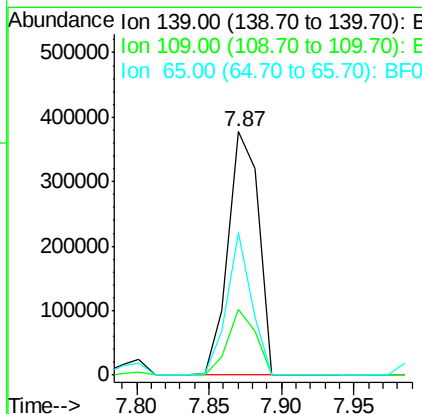
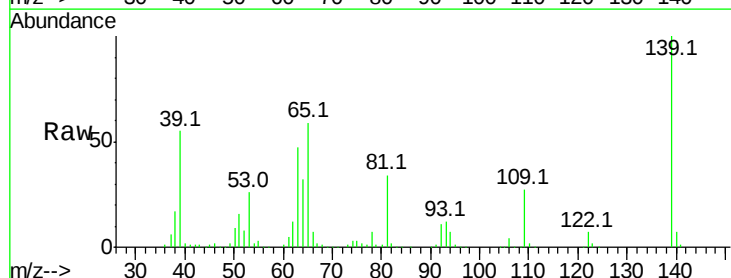
Tgt Ion: 139 Resp: 550760

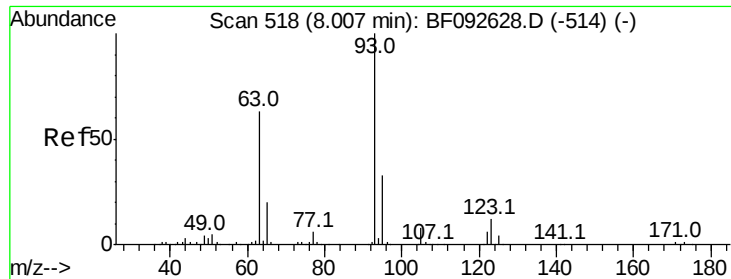
Ion Ratio Lower Upper

139 100

109 26.8 23.3 34.9

65 58.7 42.7 64.1





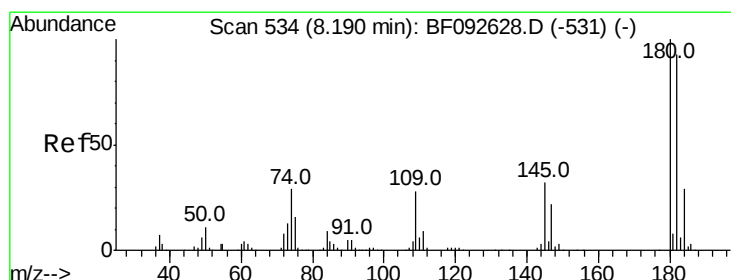
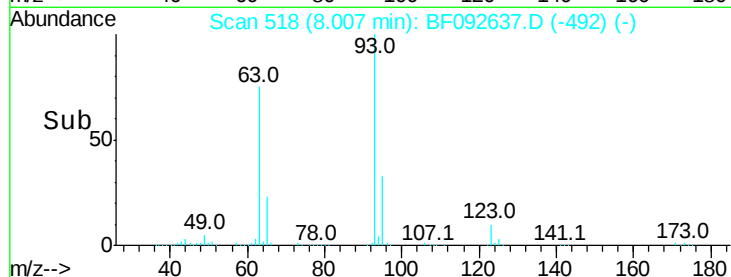
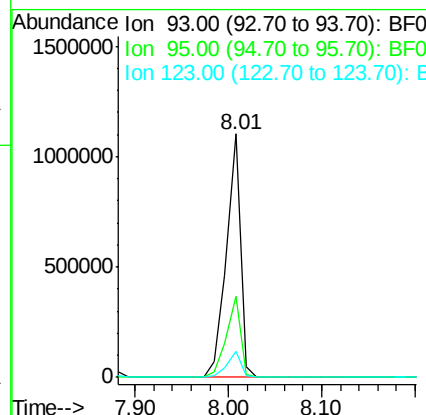
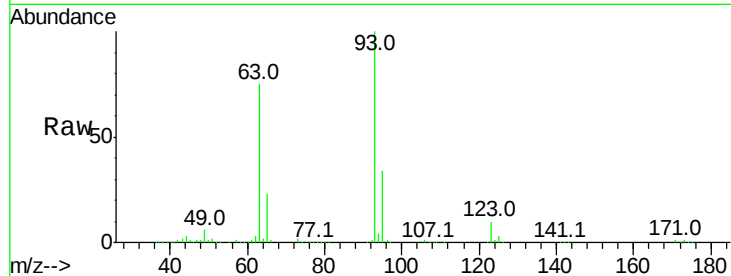
#28
bis(2-Chloroethoxy)methane
Concen: 78.97 ng
RT: 8.01 min Scan# 518
Delta R.T. 0.00 min
Lab File: BF092637.D
Acq: 30 Jan 2017 16:49

Instrument :
BNA_F
ClientSampleId :
0024

Tot Ion	Ratio	Lower	Upper
93	100		
95	33.5	26.5	39.7
123	10.4	8.6	13.0

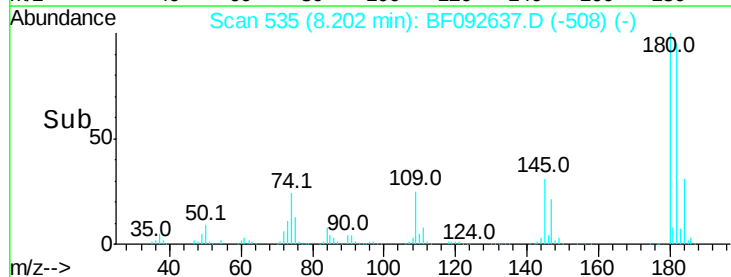
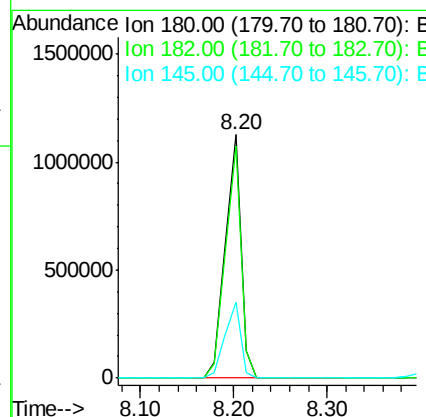
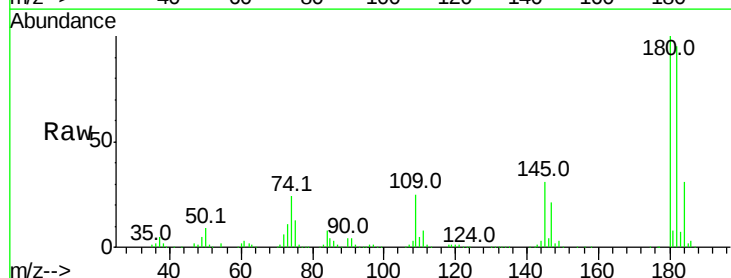
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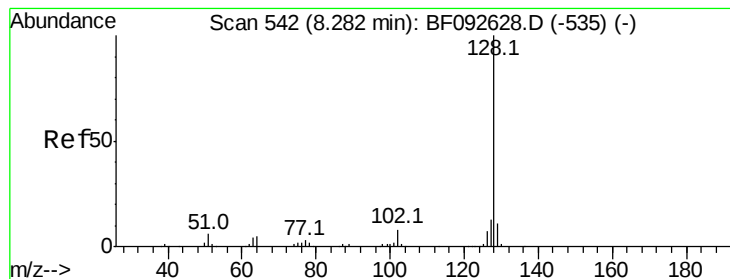
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#30
1,2,4-Trichlorobenzene
Concen: 128.21 ng
RT: 8.20 min Scan# 535
Delta R.T. 0.01 min
Lab File: BF092637.D
Acq: 30 Jan 2017 16:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	78.2	117.4
145	31.4	21.6	32.4





#31

Naphthalene

Concen: 58.64 ng

RT: 8.28 min Scan# 542

Delta R.T. 0.00 min

Lab File: BF092637.D

Acq: 30 Jan 2017 16:49

Instrument :

BNA_F

ClientSampled :
0024

Tot Ion:128 Resp: 1971896

Ion Ratio Lower Upper

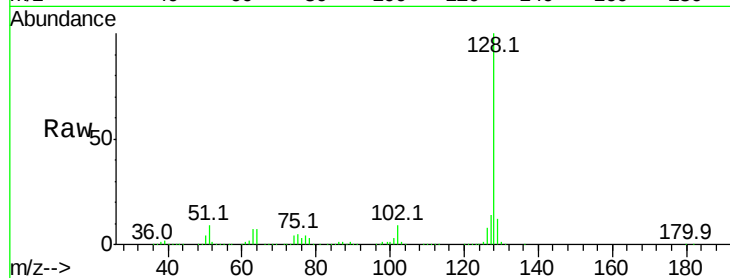
128 100

129 11.6 9.5 14.3

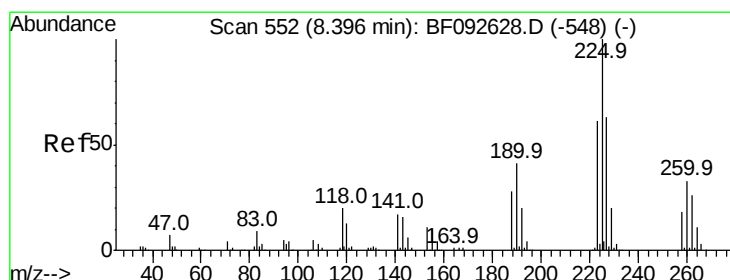
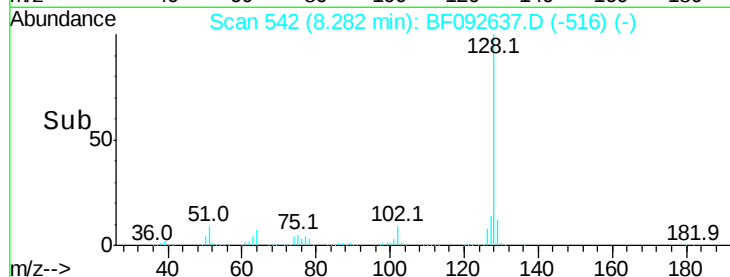
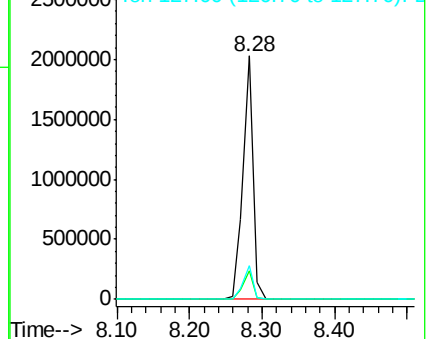
127 13.9 10.8 16.2

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



#34

Hexachlorobutadiene

Concen: 46.81 ng

RT: 8.40 min Scan# 552

Delta R.T. 0.00 min

Lab File: BF092637.D

Acq: 30 Jan 2017 16:49

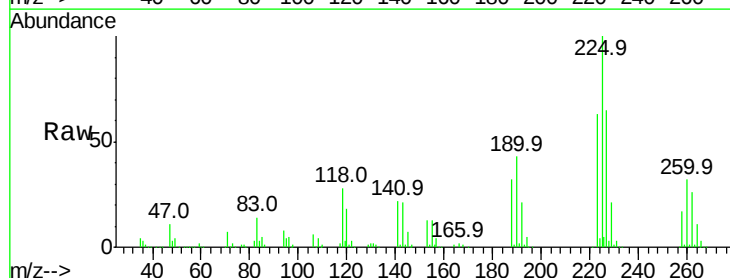
Tgt Ion:225 Resp: 264316

Ion Ratio Lower Upper

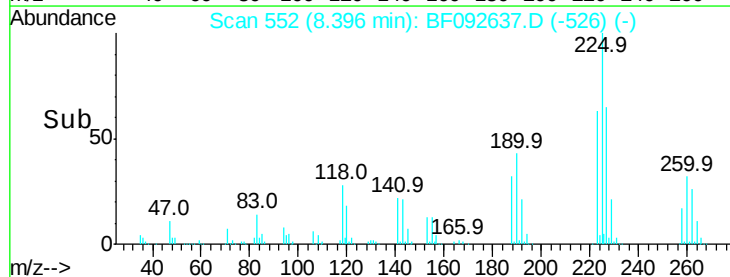
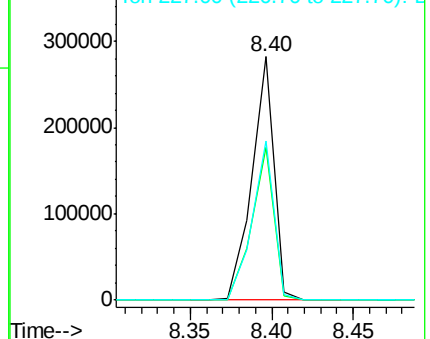
225 100

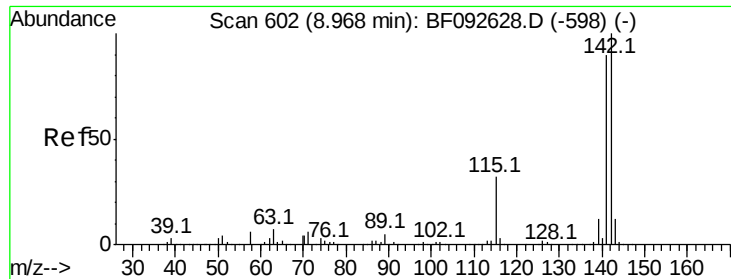
223 62.8 51.0 76.6

227 65.3 50.6 76.0



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





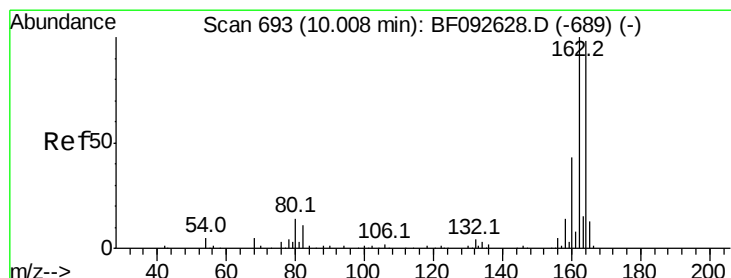
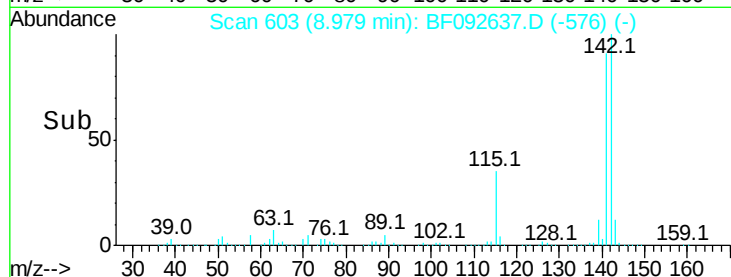
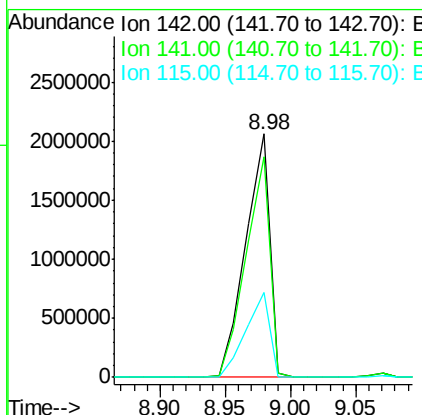
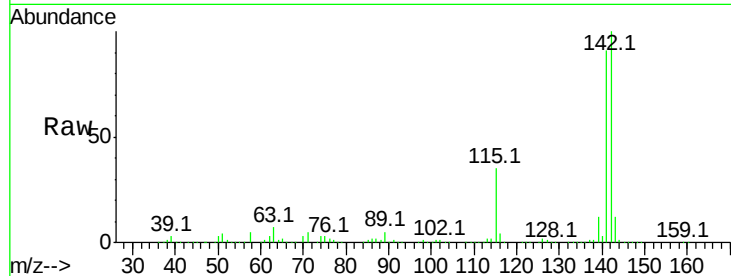
#37
2-Methylnaphthalene
Concen: 123.27 ng
RT: 8.98 min Scan# 603
Delta R.T. 0.01 min
Lab File: BF092637.D
Acq: 30 Jan 2017 16:49

Instrument :
BNA_F
ClientSampled :
0024

Tot Ion:142 Resp: 2661638
Ion Ratio Lower Upper
142 100
141 90.8 71.0 106.6
115 34.9 28.3 42.5

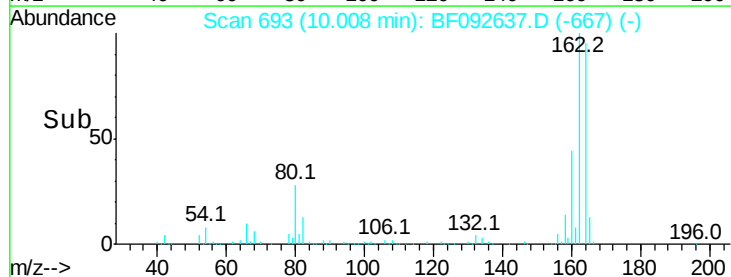
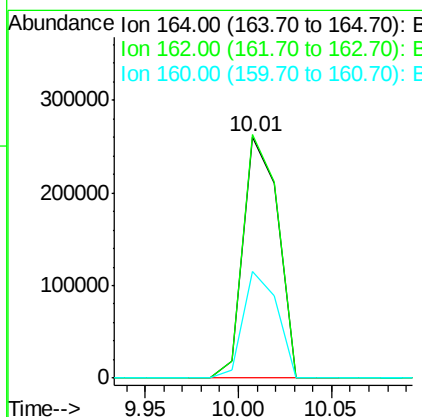
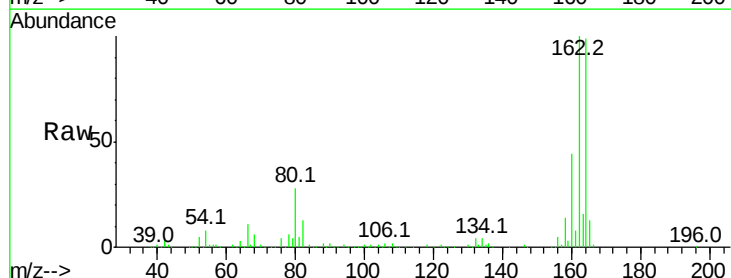
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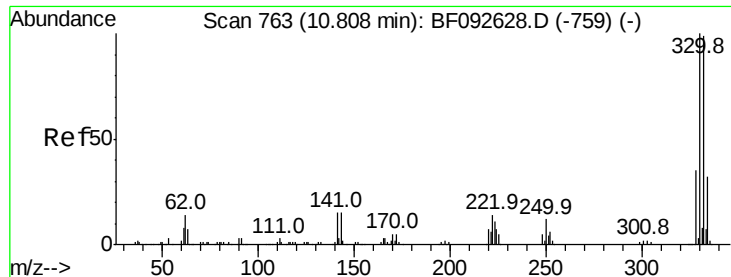
mohammad
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF092637.D
Acq: 30 Jan 2017 16:49

Tgt Ion:164 Resp: 336263
Ion Ratio Lower Upper
164 100
162 100.9 80.2 120.2
160 44.4 36.9 55.3





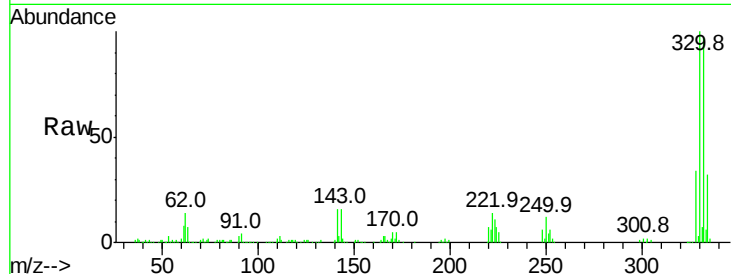
#41
 2,4,6-Tribromophenol
 Concen: 134.15 ng
 RT: 10.81 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: BF092637.D
 Acq: 30 Jan 2017 16:49

Instrument :
 BNA_F
 ClientSampleId :
 0024

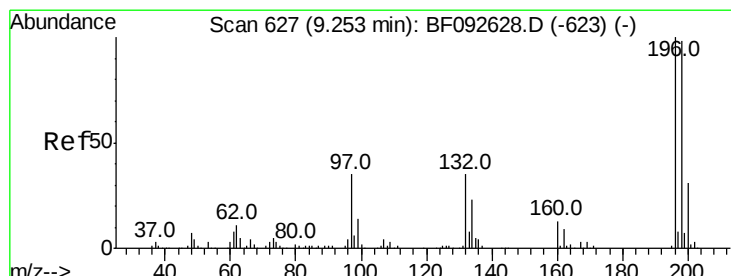
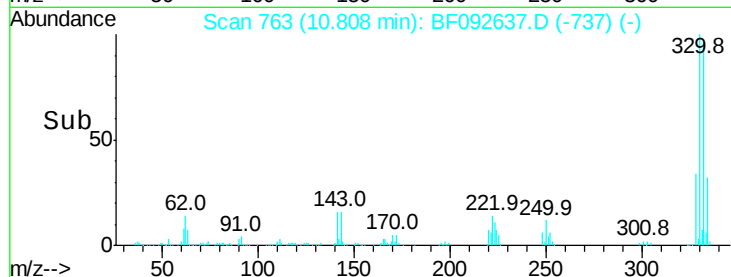
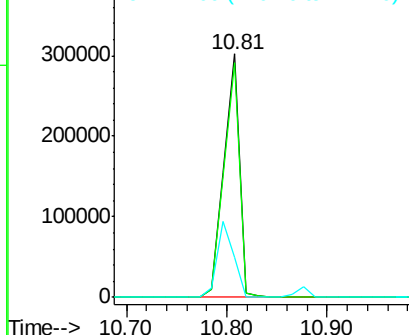
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	77.4	116.2	
141	33.0	34.1	51.1#	

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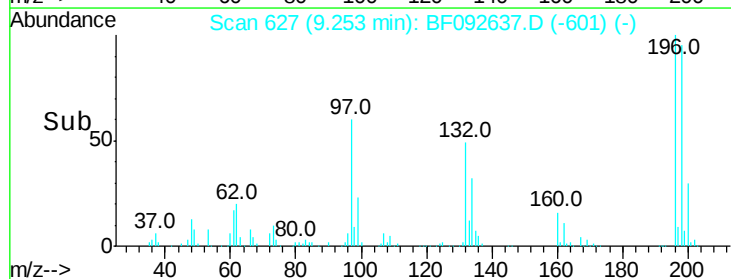
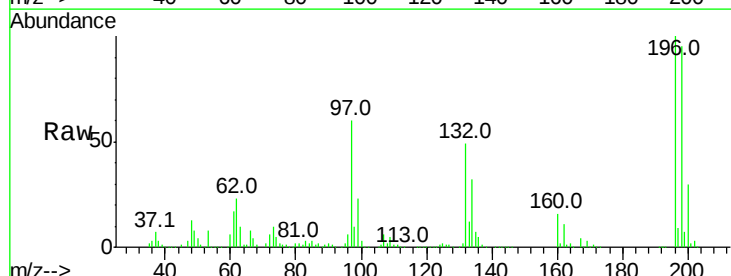
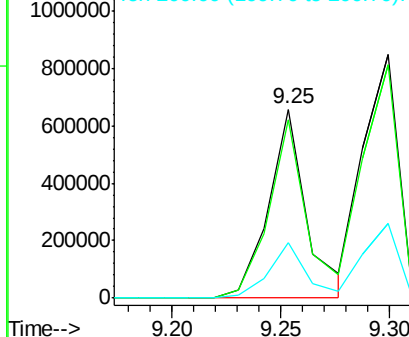
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

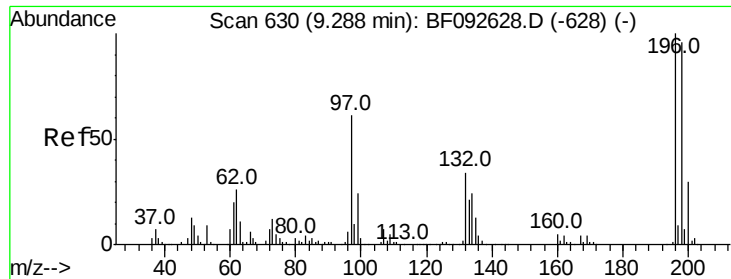


#42
 2,4,6-Trichlorophenol
 Concen: 129.32 ng
 RT: 9.25 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: BF092637.D
 Acq: 30 Jan 2017 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	94.7	82.1	123.1	
200	29.6	27.0	40.4	

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





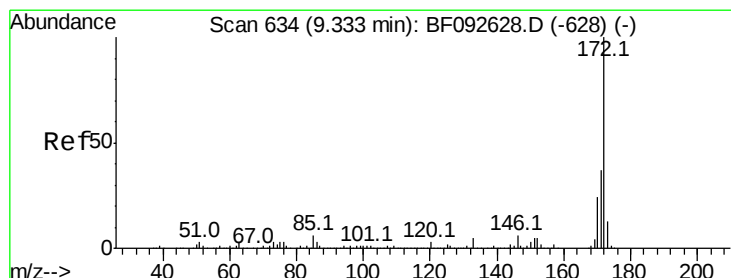
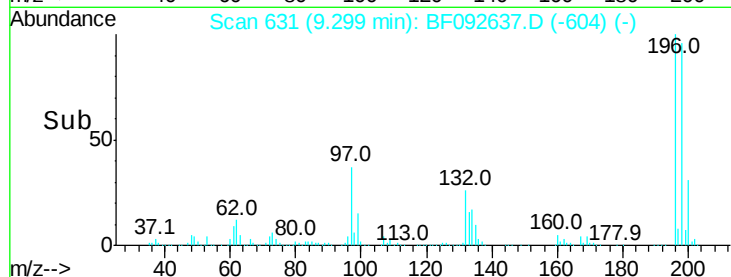
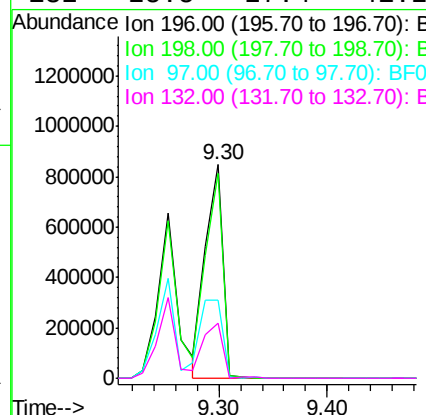
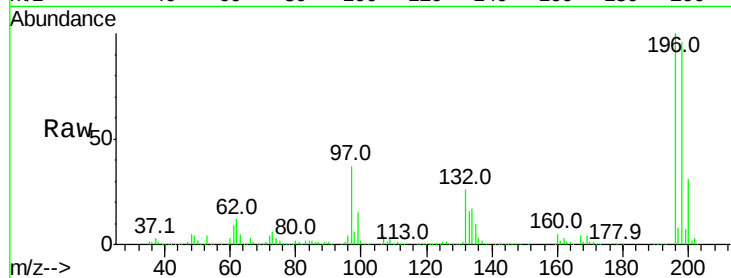
#43
 2,4,5-Trichlorophenol
 Concen: 140.27 ng
 RT: 9.30 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: BF092637.D
 Acq: 30 Jan 2017 16:49

Instrument :
 BNA_F
 ClientSampleId :
 0024

Tot Ion	Ratio	Resp	Lower	Upper
196	100	953232		
198	95.8	79.4	119.2	
97	36.6	51.5	77.3	
132	25.5	27.4	41.2	

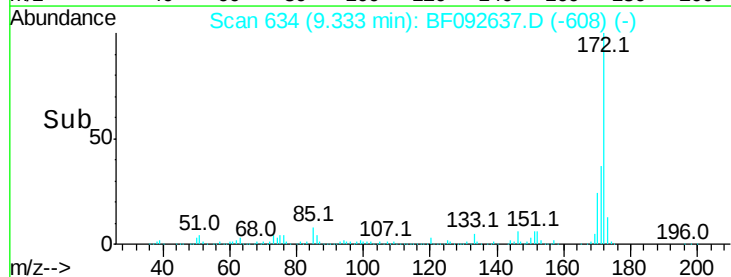
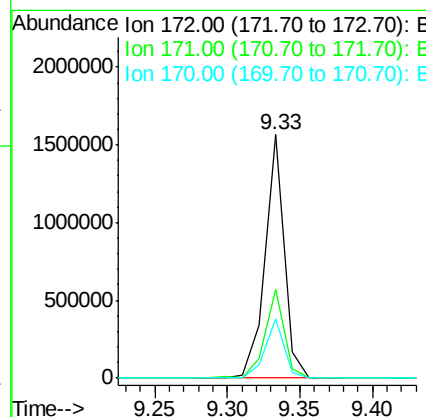
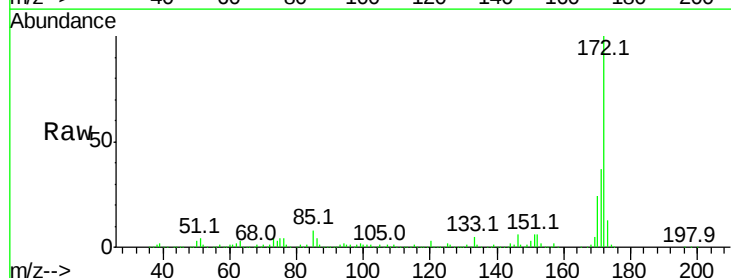
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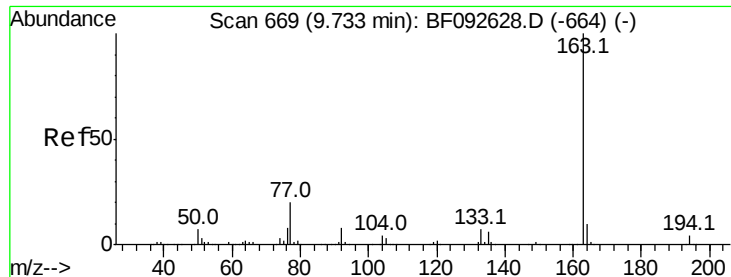
mohammad
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#44
 2-Fluorobiphenyl
 Concen: 77.48 ng
 RT: 9.33 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: BF092637.D
 Acq: 30 Jan 2017 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1438042		
171	36.7	29.4	44.0	
170	24.3	20.2	30.4	





#49

Dimethylphthalate

Concen: 114.57 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.01 min

Lab File: BF092637.D

Acq: 30 Jan 2017 16:49

Instrument :

BNA_F

ClientSampleId :

0024

Tot Ion:163 Resp: 2594844

Ion Ratio Lower Upper

163 100

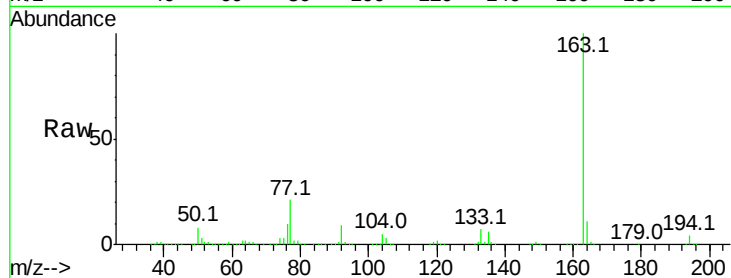
194 3.7 3.0 4.4

164 10.6 8.0 12.0

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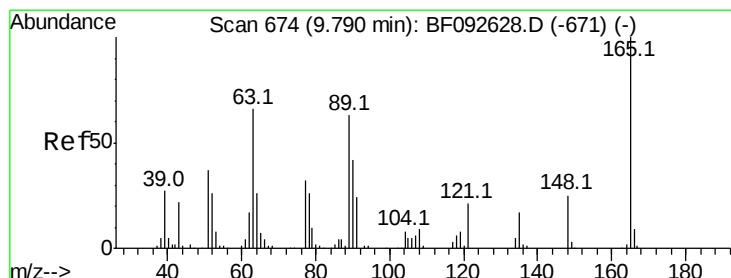
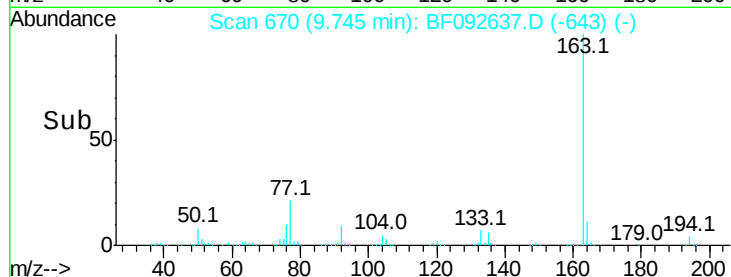
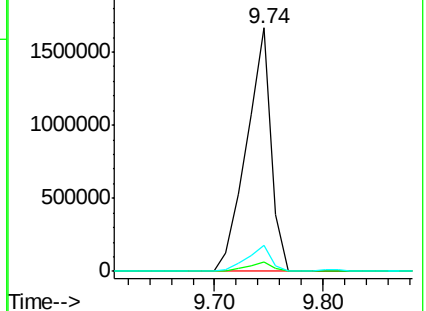
1/31/2017 4:44:53 PM



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



#50

2,6-Dinitrotoluene

Concen: 183.15 ng

RT: 9.81 min Scan# 676

Delta R.T. 0.02 min

Lab File: BF092637.D

Acq: 30 Jan 2017 16:49

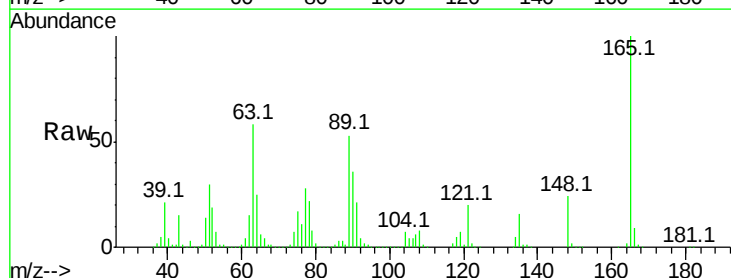
Tgt Ion:165 Resp: 895849

Ion Ratio Lower Upper

165 100

63 58.1 36.2 54.4#

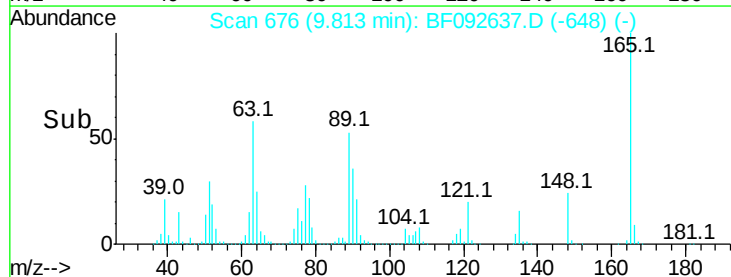
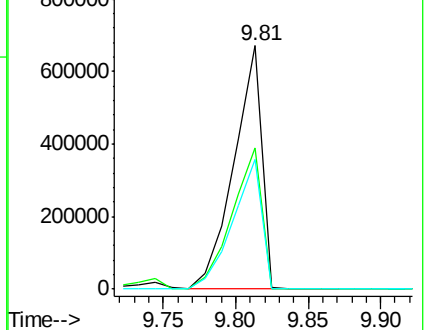
89 53.1 40.2 60.4

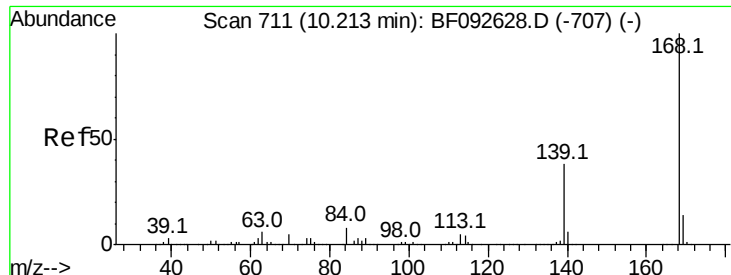


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





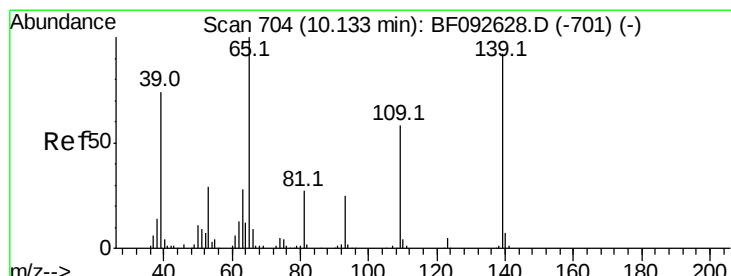
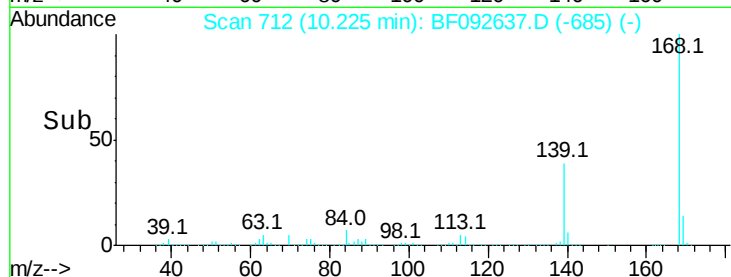
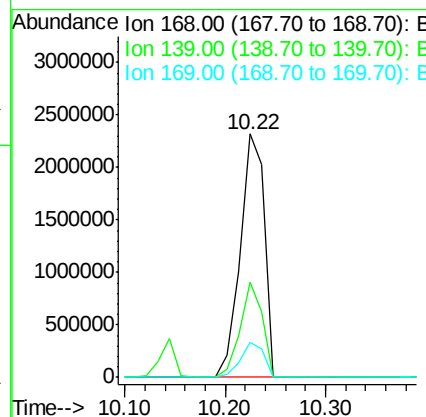
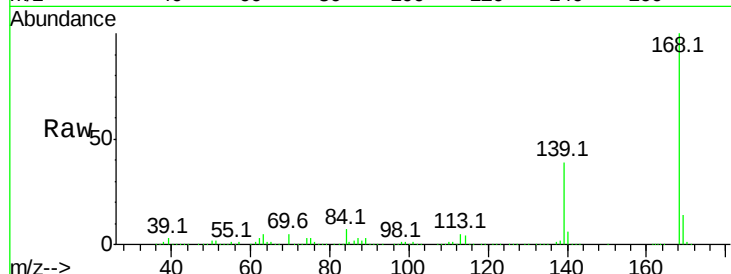
#54
Dibenzofuran
Concen: 145.60 ng
RT: 10.22 min Scan# 712
Delta R.T. 0.01 min
Lab File: BF092637.D
Acq: 30 Jan 2017 16:49

Instrument :
BNA_F
ClientSampled :
0024

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.1	32.6	49.0
169	14.2	11.3	16.9

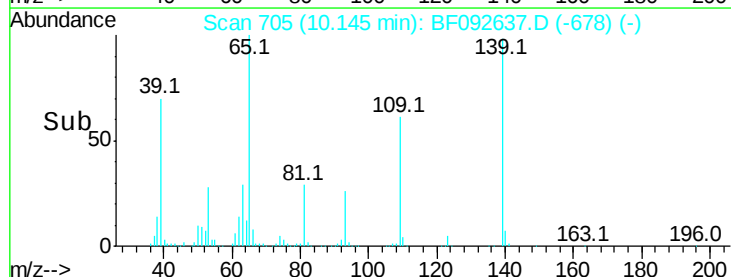
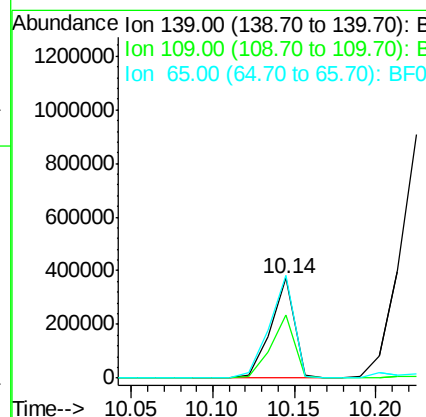
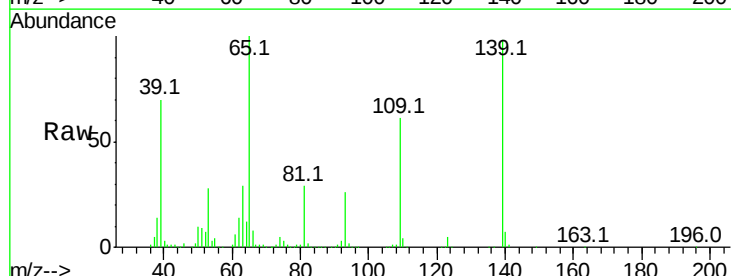
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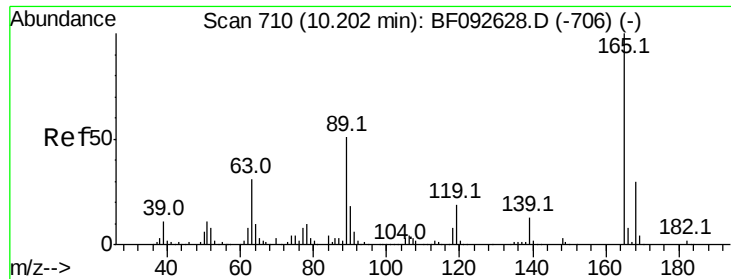
mohammad
1/31/2017 4:44:53 PM



#55
4-Nitrophenol
Concen: 95.20 ng
RT: 10.14 min Scan# 705
Delta R.T. 0.01 min
Lab File: BF092637.D
Acq: 30 Jan 2017 16:49

Tgt Ion	Ratio	Lower	Upper
139	100		
109	62.9	52.2	92.2
65	102.4	85.8	125.8





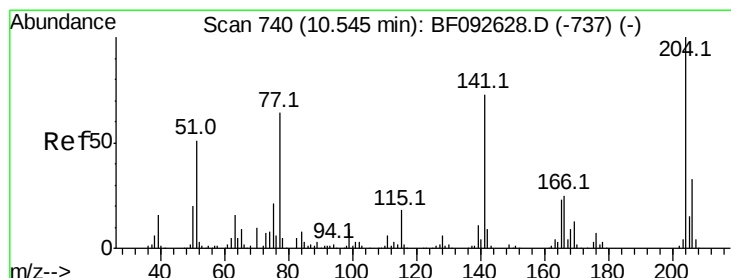
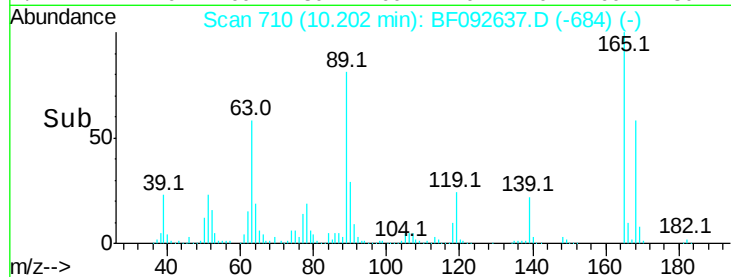
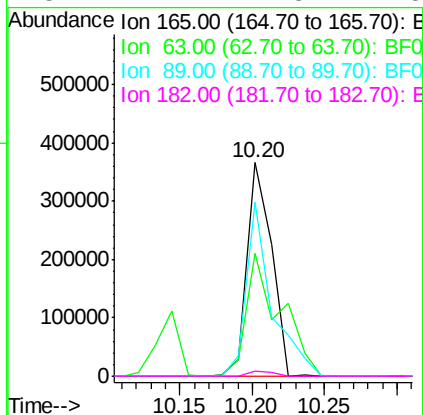
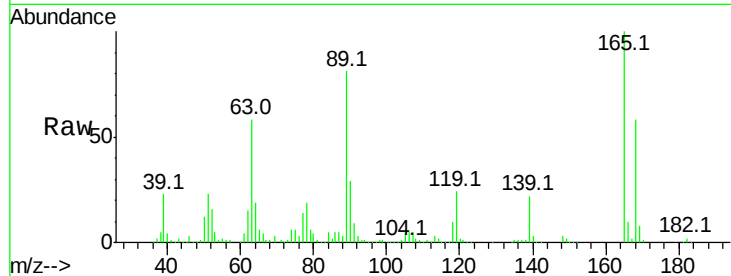
#56
 2,4-Dinitrotoluene
 Concen: 65.60 ng
 RT: 10.20 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: BF092637.D
 Acq: 30 Jan 2017 16:49

Instrument :
 BNA_F
 ClientSampled :
 0024

Tot Ion	165	Resp	427222
Ion Ratio	Lower	Upper	
165	100		
63	57.7	40.2	60.4
89	81.3	62.5	93.7
182	2.4	1.8	2.8

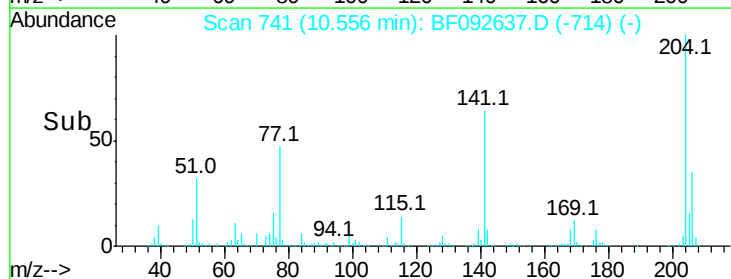
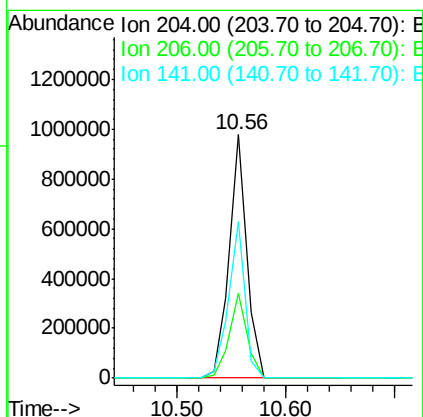
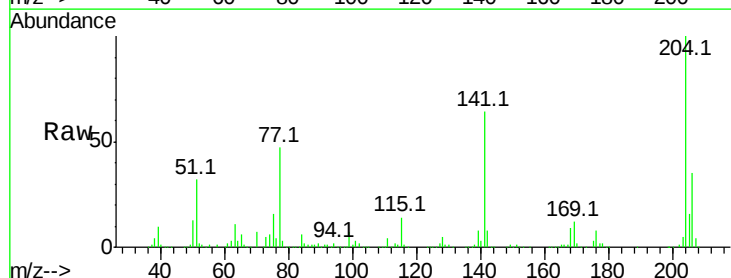
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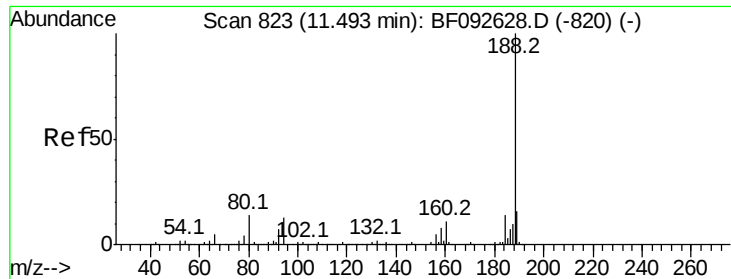
mohammad
 1/31/2017 4:44:53 PM



#60
 4-Chlorophenyl-phenylether
 Concen: 112.45 ng
 RT: 10.56 min Scan# 741
 Delta R.T. 0.01 min
 Lab File: BF092637.D
 Acq: 30 Jan 2017 16:49

Tgt Ion	204	Resp	1093654
Ion Ratio	Lower	Upper	
204	100		
206	34.7	25.8	38.6
141	64.1	59.4	89.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.50 min Scan# 824

Delta R.T. 0.01 min

Lab File: BF092637.D

Acq: 30 Jan 2017 16:49

Instrument :

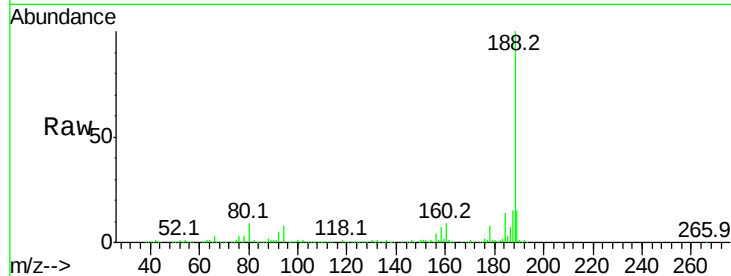
BNA_F

ClientSampleId :
0024

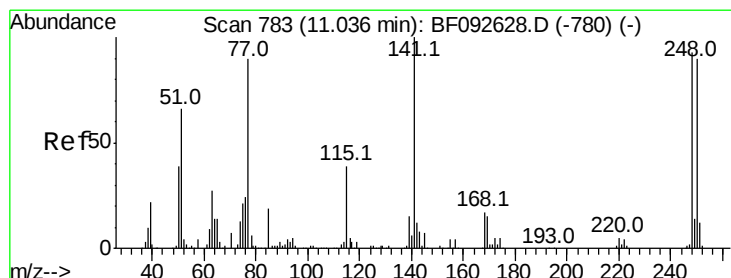
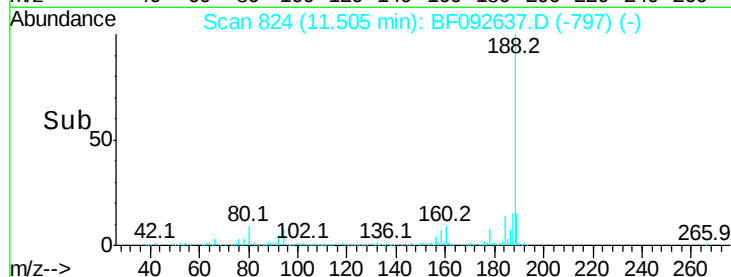
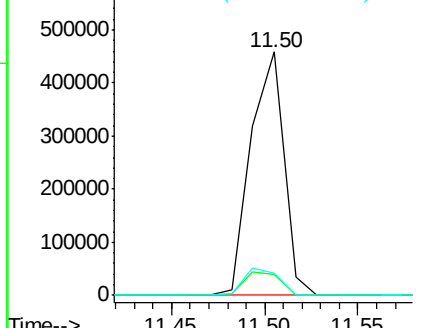
Tot Ion:	188	Resp:	567010
Ion Ratio	Lower	Upper	
188	100		
94	8.4	10.0	15.0#
80	9.0	11.2	16.8#

Manual Integrations
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Abundance Ion 188.00 (187.70 to 188.70): E



#66

4-Bromophenyl-phenylether

Concen: 147.98 ng

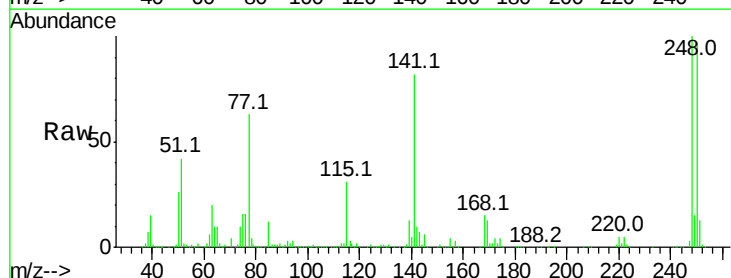
RT: 11.05 min Scan# 784

Delta R.T. 0.01 min

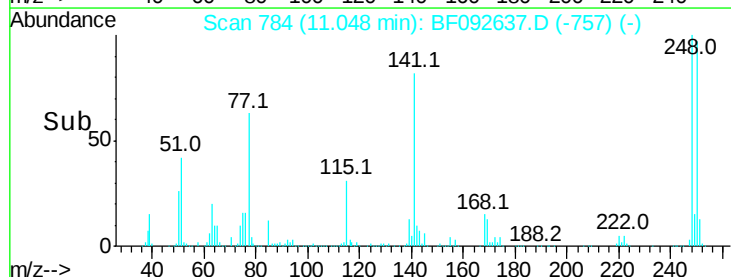
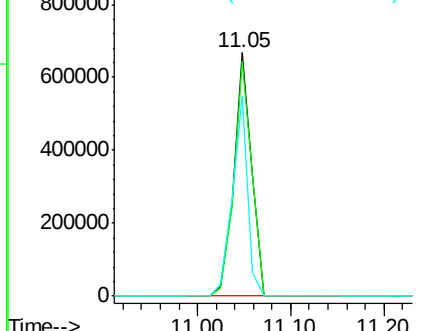
Lab File: BF092637.D

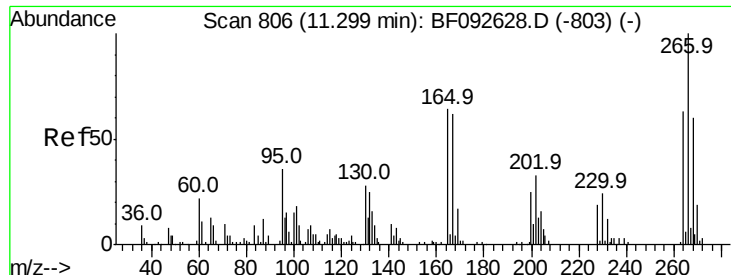
Acq: 30 Jan 2017 16:49

Tgt Ion:	248	Resp:	876639
Ion Ratio	Lower	Upper	
248	100		
250	96.6	76.9	115.3
141	82.1	68.2	102.4



Abundance Ion 248.00 (247.70 to 248.70): E





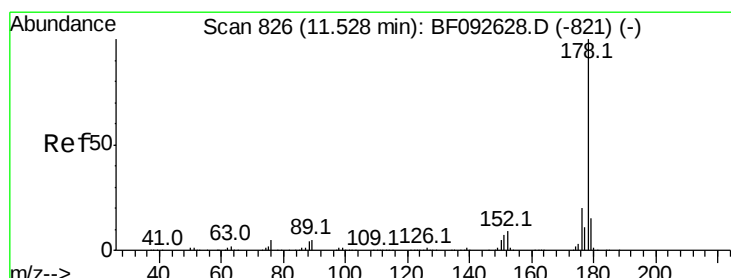
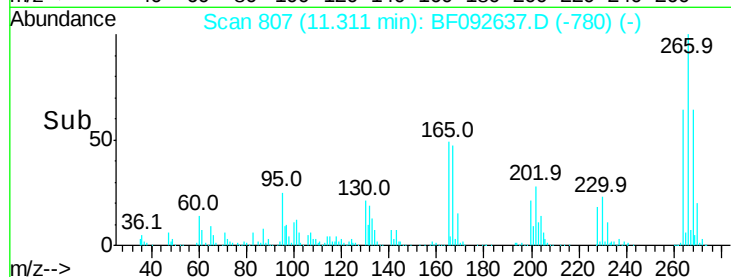
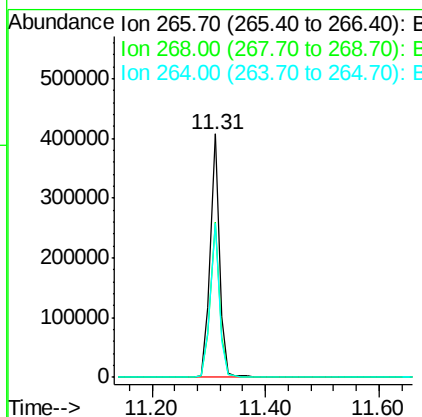
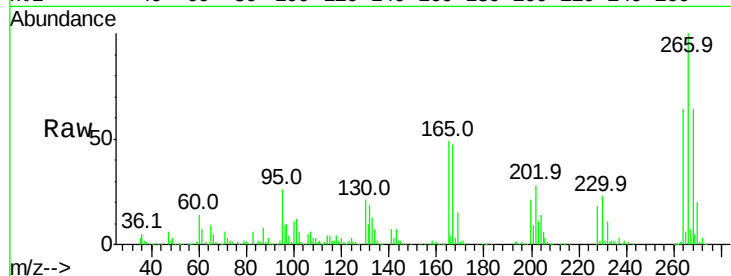
#69
 Pentachlorophenol
 Concen: 142.03 ng
 RT: 11.31 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: BF092637.D
 Acq: 30 Jan 2017 16:49

Instrument :
 BNA_F
 ClientSampleId :
 0024

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.6	53.3	79.9
264	63.5	50.3	75.5

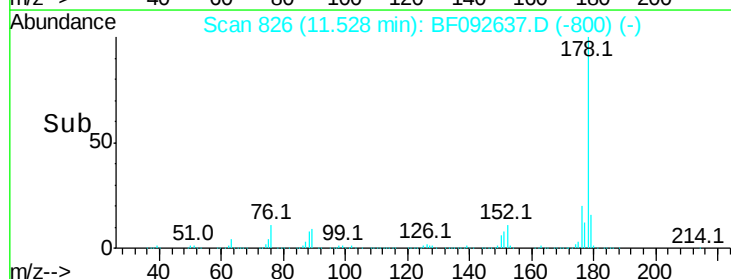
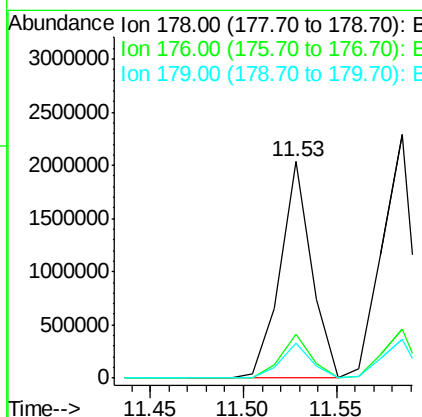
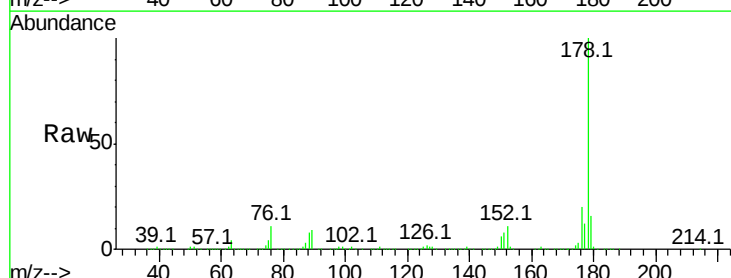
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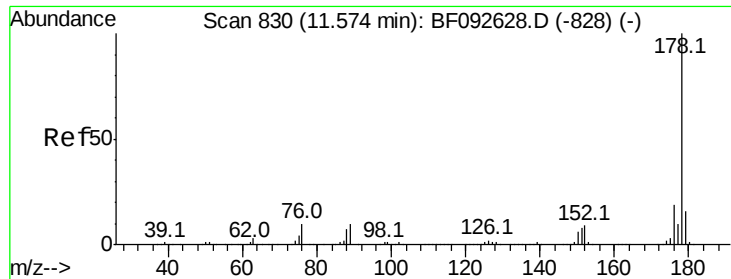
mohammad
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#70
 Phenanthrene
 Concen: 73.29 ng
 RT: 11.53 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF092637.D
 Acq: 30 Jan 2017 16:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.6	25.0
179	16.2	12.8	19.2





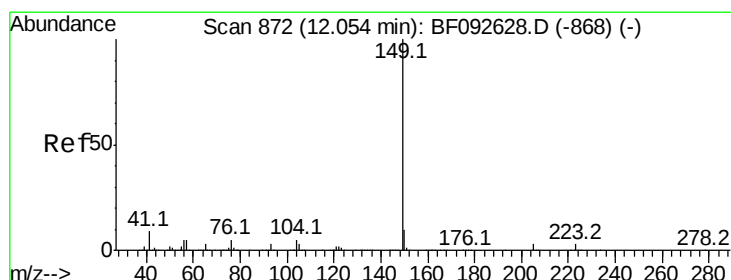
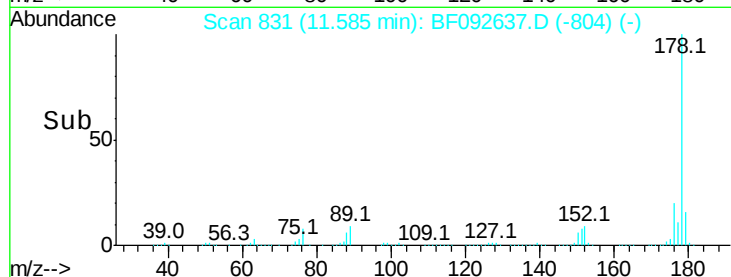
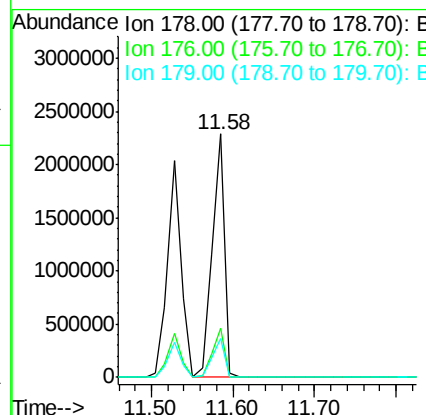
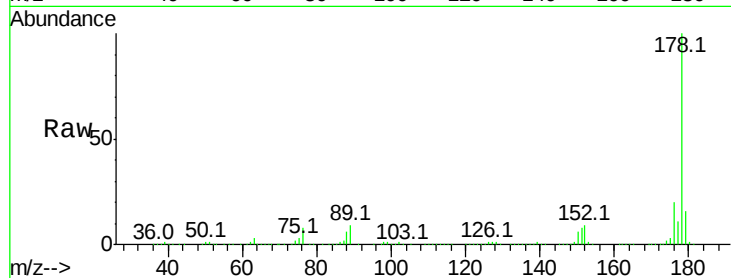
#71
 Anthracene
 Concen: 75.56 ng
 RT: 11.58 min Scan# 831
 Delta R.T. 0.01 min
 Lab File: BF092637.D
 Acq: 30 Jan 2017 16:49

Instrument :
 BNA_F
 ClientSampleId :
 0024

Tot Ion:178 Resp: 2464953
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.9 23.9
 179 16.1 13.2 19.8

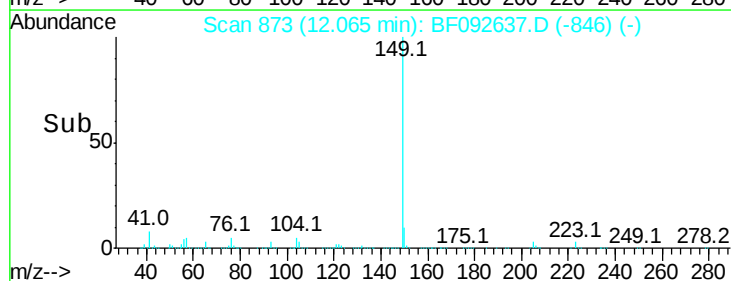
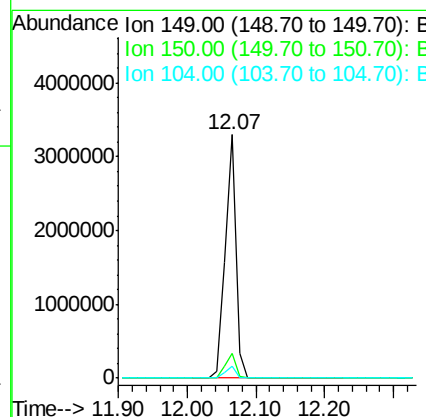
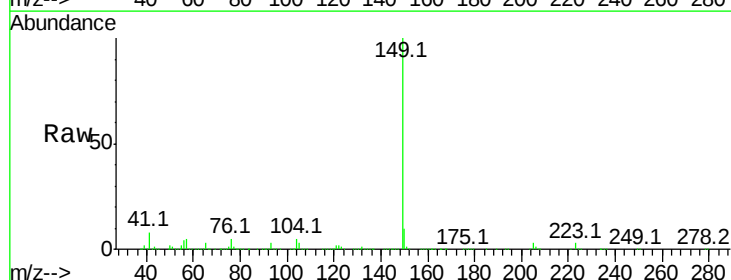
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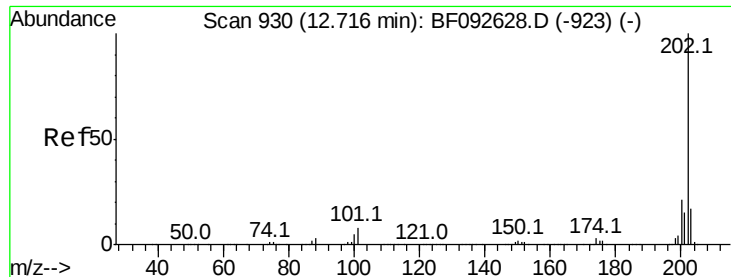
mohammad
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#73
 Di-n-butylphthalate
 Concen: 108.01 ng
 RT: 12.07 min Scan# 873
 Delta R.T. 0.01 min
 Lab File: BF092637.D
 Acq: 30 Jan 2017 16:49

Tgt Ion:149 Resp: 3642662
 Ion Ratio Lower Upper
 149 100
 150 10.0 8.1 12.1
 104 4.7 4.6 7.0





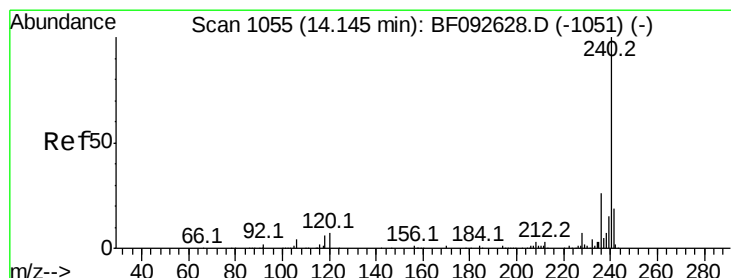
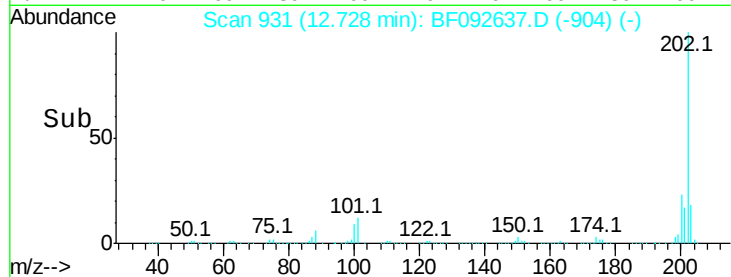
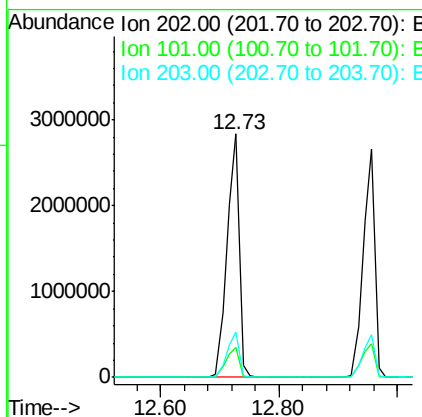
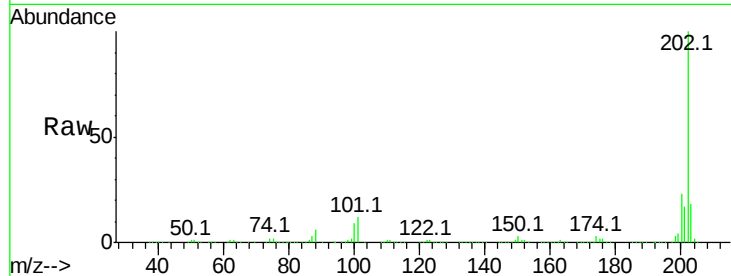
#74
Fluoranthene
 Concen: 119.54 ng
 RT: 12.73 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: BF092637.D
 Acq: 30 Jan 2017 16:49

Instrument :
 BNA_F
 ClientSampleId :
 0024

Tot Ion	Ratio	Resp	Lower	Upper
202	100	4005533		
101	12.2		0.0	34.6
203	18.5		0.0	38.7

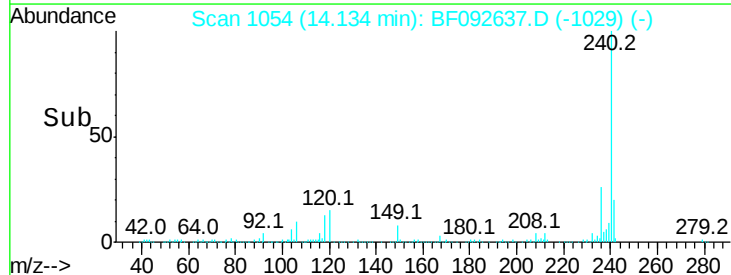
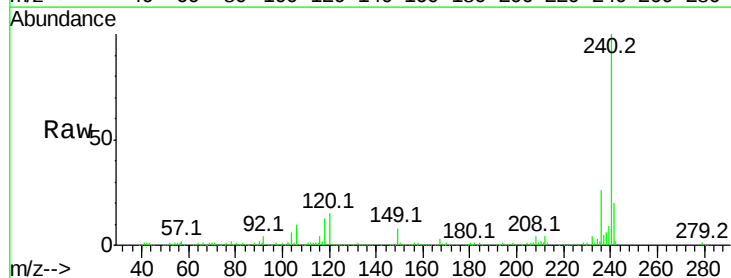
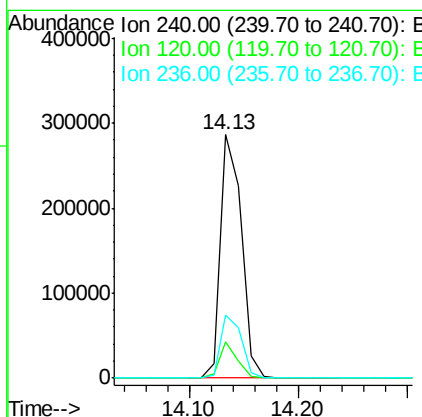
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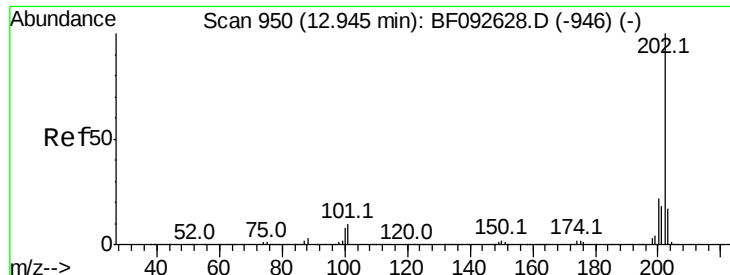
mohammad
 1/31/2017 4:44:53 PM



#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 14.13 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: BF092637.D
 Acq: 30 Jan 2017 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	383308		
120	15.1		12.9	19.3
236	25.7		20.9	31.3





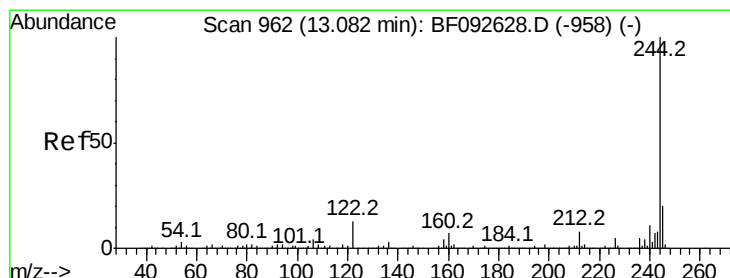
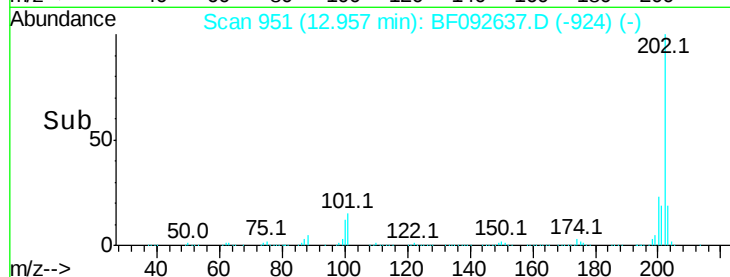
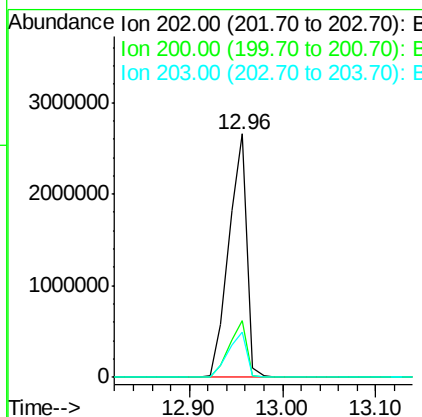
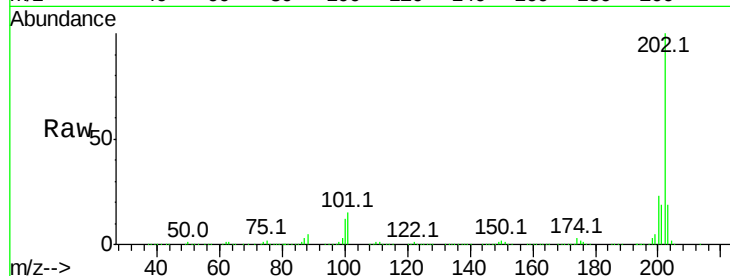
#77
Pvrene
Concen: 124.73 ng
RT: 12.96 min Scan# 951
Delta R.T. 0.01 min
Lab File: BF092637.D
Acq: 30 Jan 2017 16:49

Instrument :
BNA_F
ClientSampleId :
0024

Tot Ion:202 Resp: 3577936
Ion Ratio Lower Upper
202 100
200 23.2 17.7 26.5
203 18.6 14.7 22.1

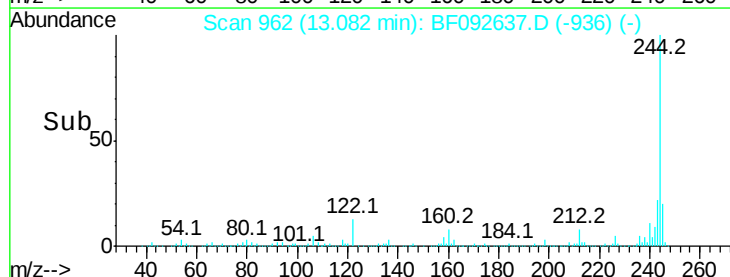
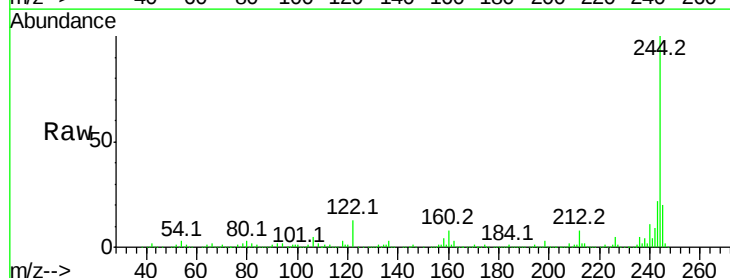
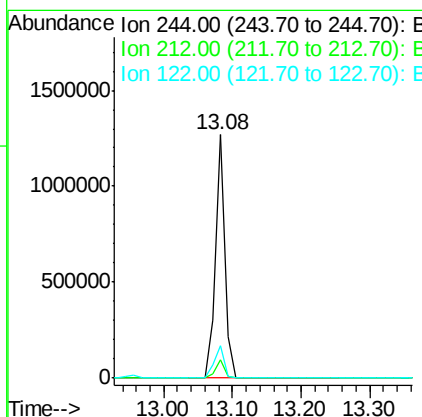
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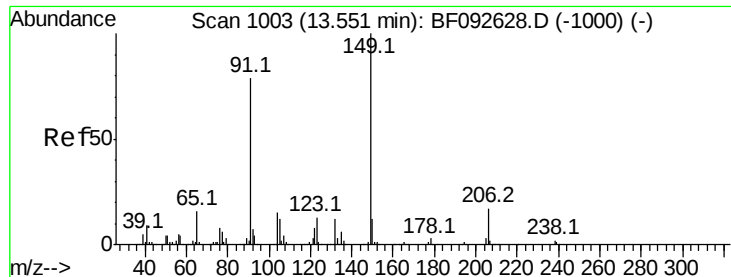
mohammad
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#78
Terphenyl-d14
Concen: 75.81 ng
RT: 13.08 min Scan# 962
Delta R.T. 0.00 min
Lab File: BF092637.D
Acq: 30 Jan 2017 16:49

Tgt Ion:244 Resp: 1236672
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.2
122 13.4 11.4 17.2





#79

Butylbenzylphthalate

Concen: 99.10 ng

RT: 13.56 min Scan# 1004

Delta R.T. 0.01 min

Lab File: BF092637.D

Acq: 30 Jan 2017 16:49

Instrument :

BNA_F

ClientSampled :

0024

Tot Ion:149 Resp: 1154418

Ion Ratio Lower Upper

149 100

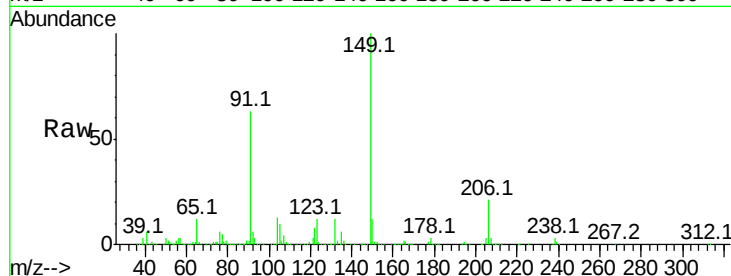
91 63.4 63.9 95.9#

206 21.4 14.6 21.8

Manual Integrations
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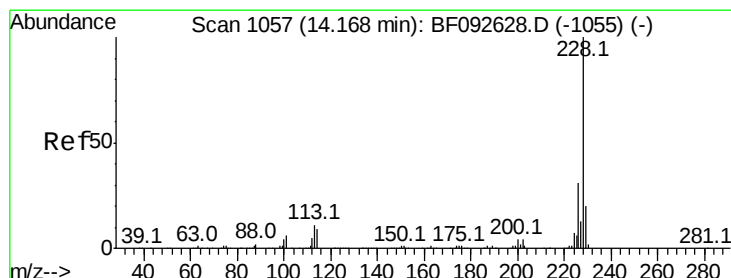
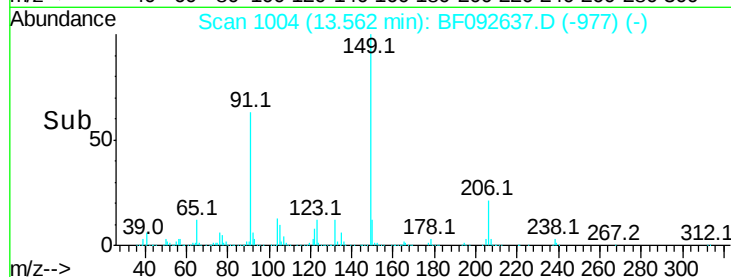
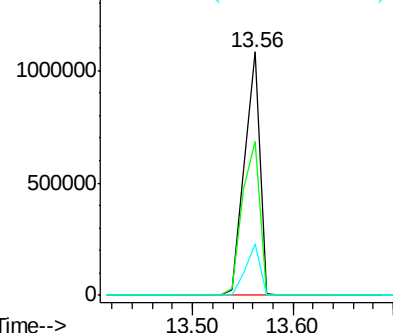
1/31/2017 4:44:53 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#82

Chrysene

Concen: 125.26 ng

RT: 14.18 min Scan# 1058

Delta R.T. 0.01 min

Lab File: BF092637.D

Acq: 30 Jan 2017 16:49

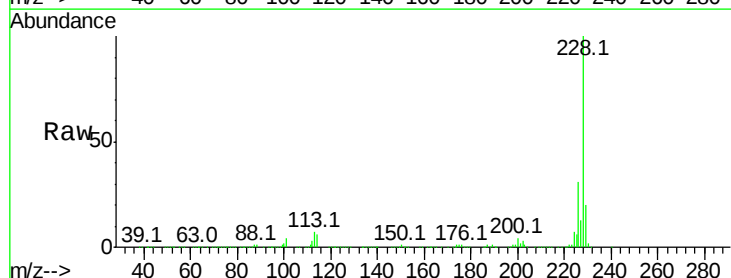
Tgt Ion:228 Resp: 2749465

Ion Ratio Lower Upper

228 100

226 31.0 25.4 38.0

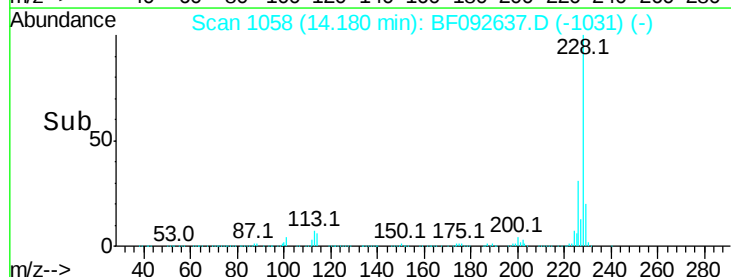
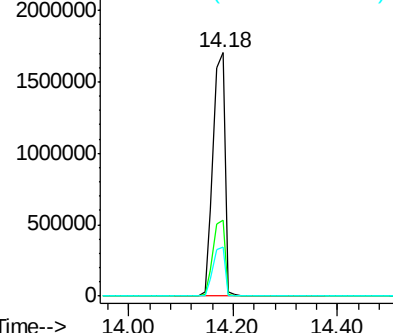
229 19.9 16.2 24.2

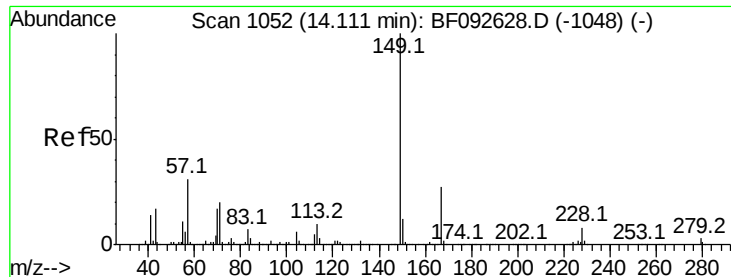


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





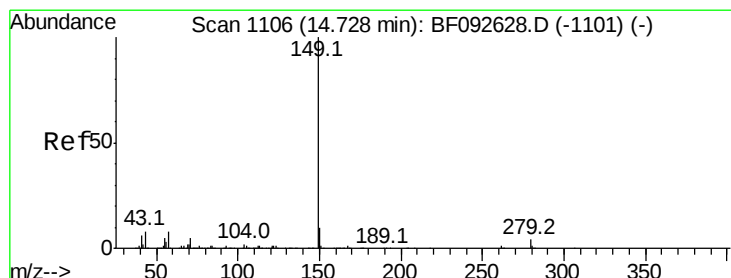
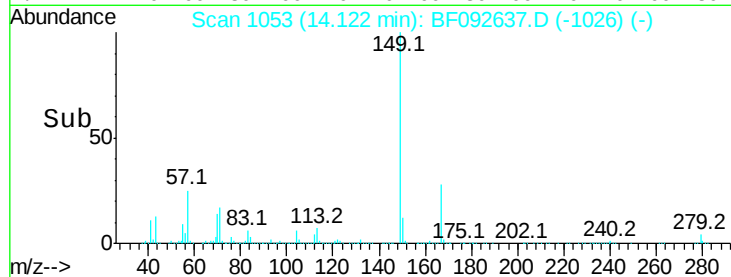
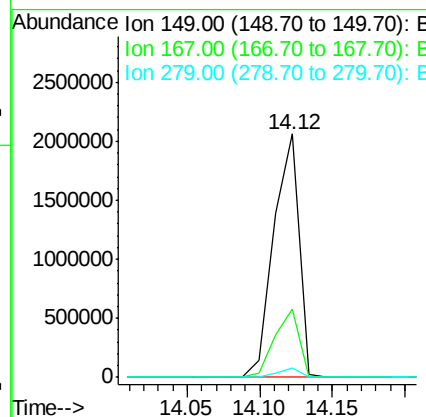
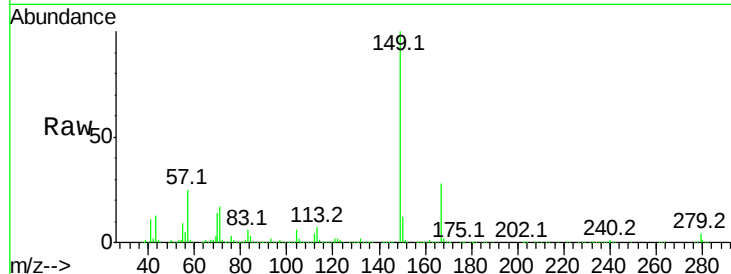
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 156.14 ng
 RT: 14.12 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: BF092637.D
 Acq: 30 Jan 2017 16:49

Instrument :
 BNA_F
 ClientSampleId :
 0024

Tot Ion:149 Resp: 2487437
 Ion Ratio Lower Upper
 149 100
 167 27.8 20.2 30.4
 279 4.0 1.8 2.8#

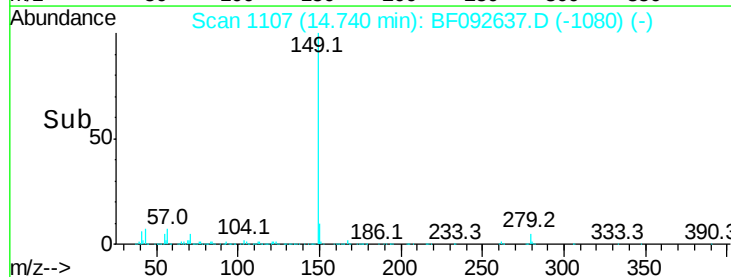
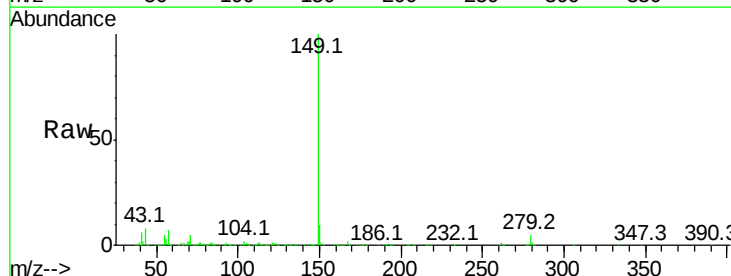
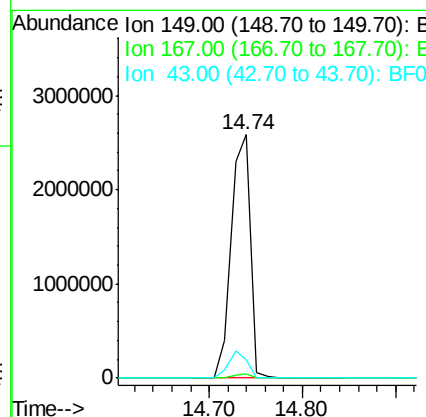
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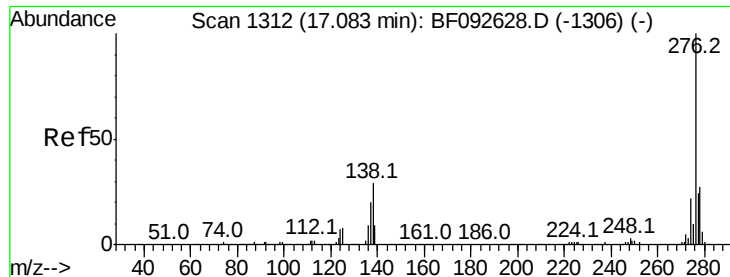
mohammad
 1/31/2017 4:44:53 PM



#84
 Di-n-octyl phthalate
 Concen: 142.37 ng
 RT: 14.74 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: BF092637.D
 Acq: 30 Jan 2017 16:49

Tgt Ion:149 Resp: 3693257
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 10.5 8.9 13.3





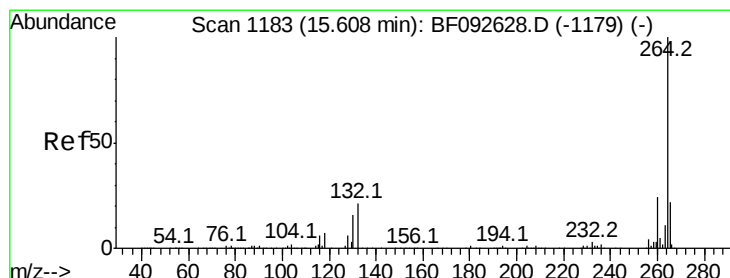
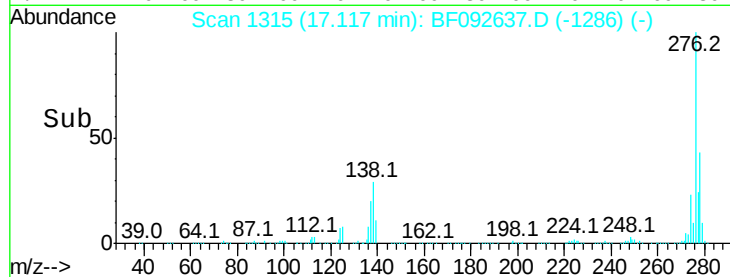
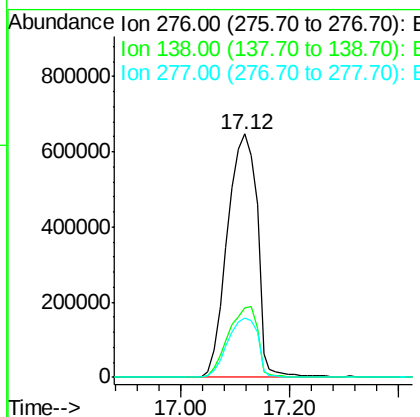
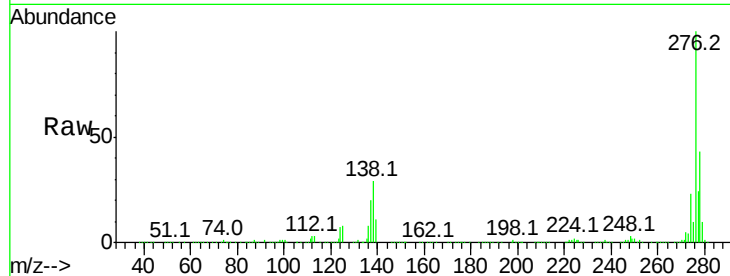
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 144.38 ng
 RT: 17.12 min Scan# 1315
 Delta R.T. 0.03 min
 Lab File: BF092637.D
 Acq: 30 Jan 2017 16:49

Instrument :
 BNA_F
 ClientSampleId :
 0024

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.1	21.8	32.6
277	24.9	20.2	30.4

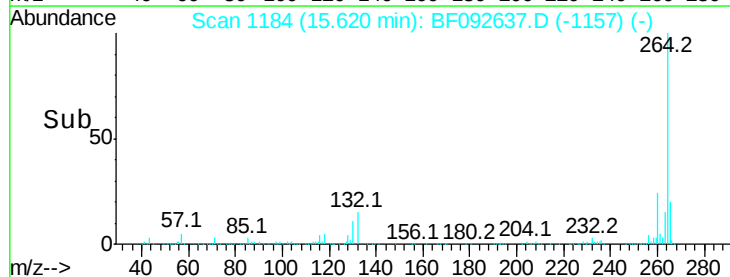
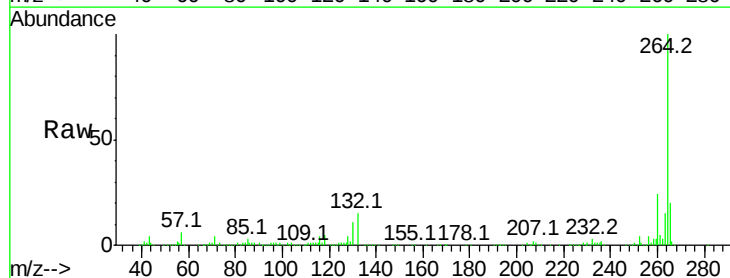
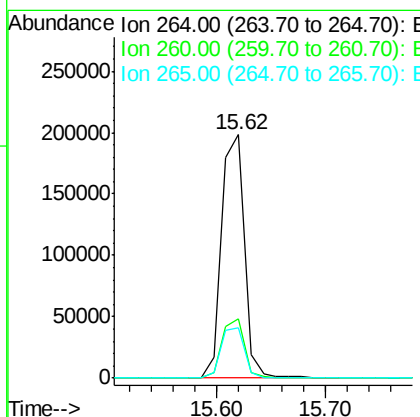
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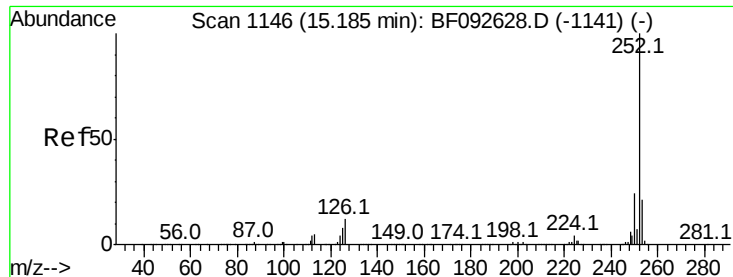
mohammad
 1/31/2017 4:44:53 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.62 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: BF092637.D
 Acq: 30 Jan 2017 16:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	20.4	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 204.69 ng m

RT: 15.20 min Scan# 1147

Delta R.T. 0.01 min

Lab File: BF092637.D

Acq: 30 Jan 2017 16:49

Instrument :

BNA_F

ClientSampleId :

0024

Tot Ion:252 Resp: 3910908

Ion Ratio Lower Upper

252 100

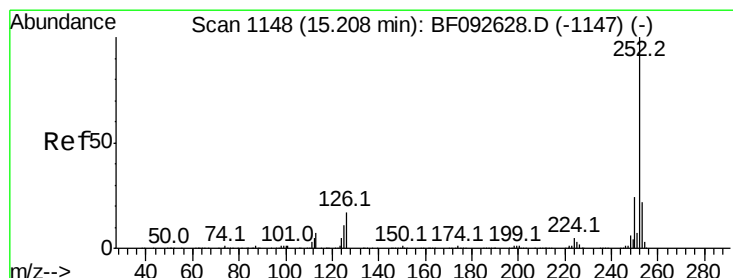
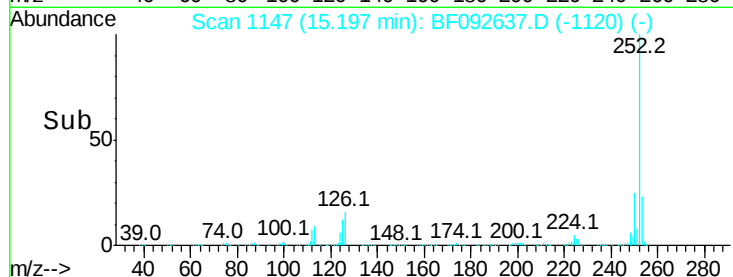
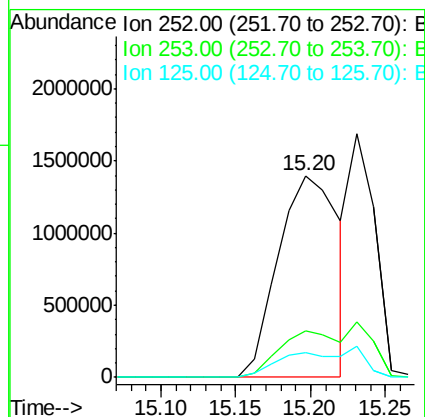
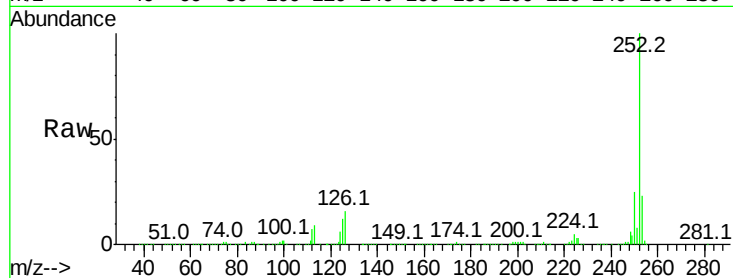
253 22.9 18.2 27.4

125 12.4 9.8 14.6

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#88

Benzo(k)fluoranthene

Concen: 123.61 ng m

RT: 15.23 min Scan# 1150

Delta R.T. 0.02 min

Lab File: BF092637.D

Acq: 30 Jan 2017 16:49

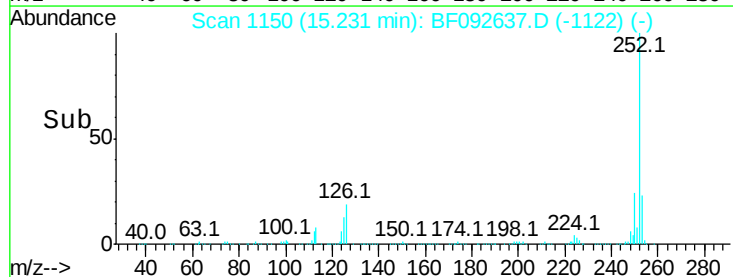
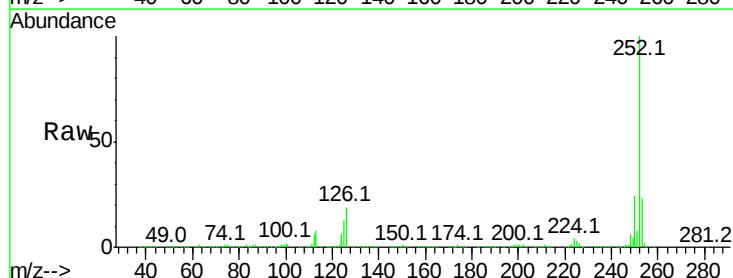
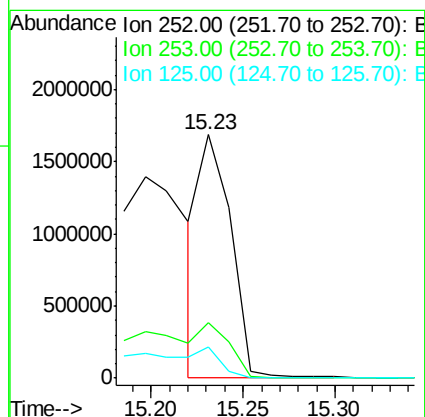
Tgt Ion:252 Resp: 2039172

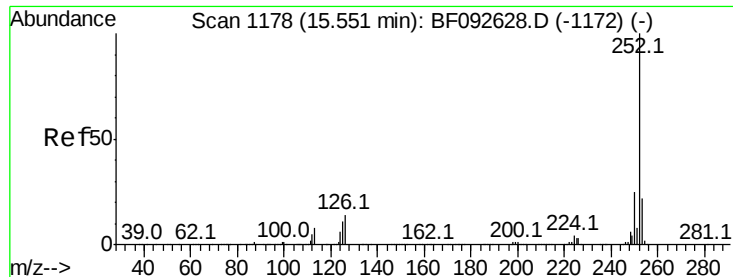
Ion Ratio Lower Upper

252 100

253 22.9 18.5 27.7

125 12.6 8.9 13.3





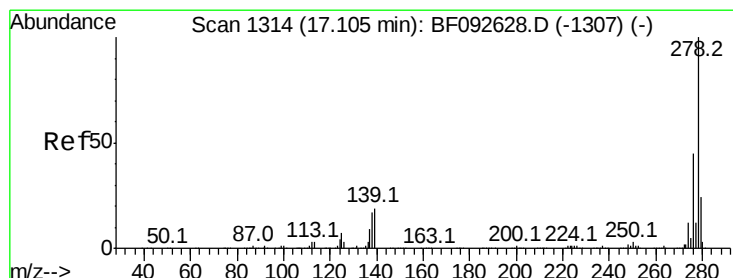
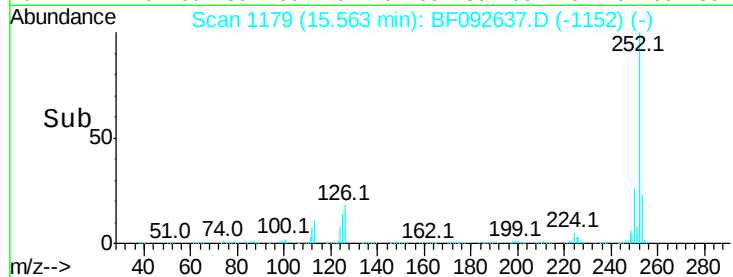
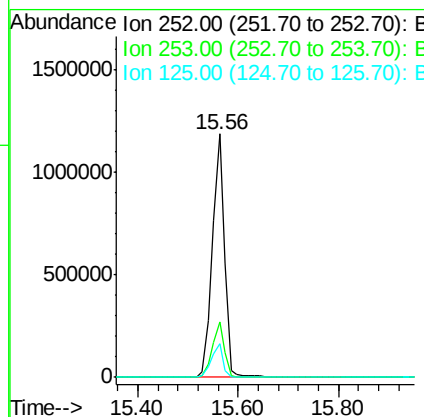
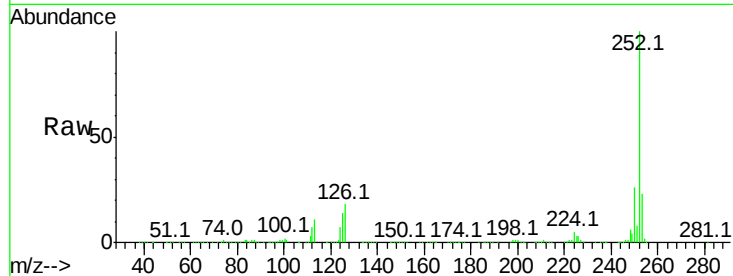
#89
Benzo(a)pyrene
Concen: 120.10 ng
RT: 15.56 min Scan# 1179
Delta R.T. 0.01 min
Lab File: BF092637.D
Acq: 30 Jan 2017 16:49

Instrument :
BNA_F
ClientSampleId :
0024

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	13.9	10.0	15.0

Manual Integrations
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#90
Dibenzo(a,h)anthracene
Concen: 100.02 ng
RT: 17.14 min Scan# 1317
Delta R.T. 0.03 min
Lab File: BF092637.D
Acq: 30 Jan 2017 16:49

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.7	14.8	22.2
279	24.4	19.8	29.6

