

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
 Data File : BF083472.D
 Acq On : 3 Dec 2015 21:20
 Operator : UM/IZ
 Sample : G4608-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-3-20151130

Quant Time: Dec 04 00:32:49 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

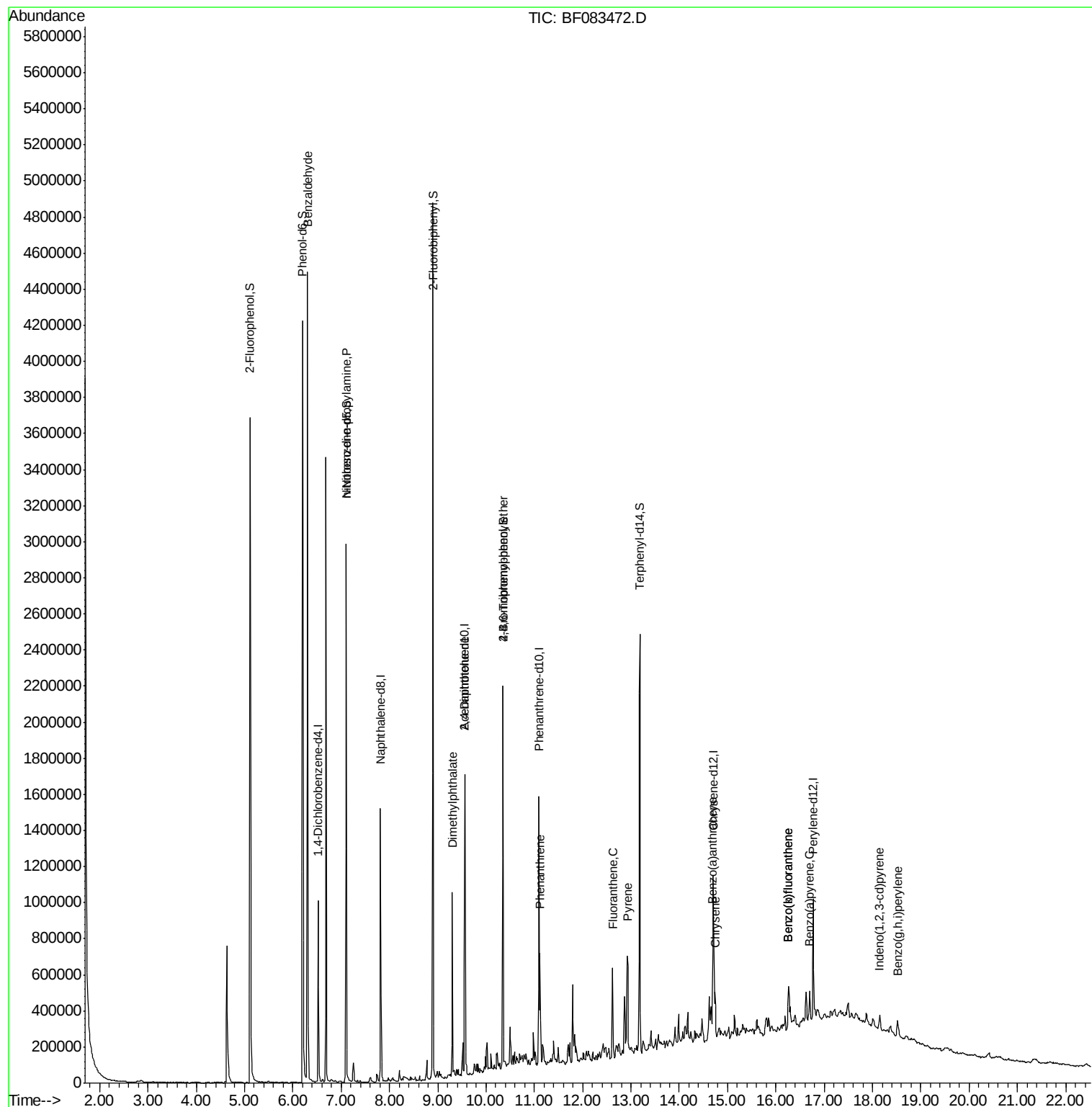
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	174987	20.00	ng	-0.02
21) Naphthalene-d8	7.81	136	667164	20.00	ng	-0.02
38) Acenaphthene-d10	9.56	164	339467	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	588292	20.00	ng	-0.03
75) Chrysene-d12	14.71	240	402337	20.00	ng	-0.06
86) Perylene-d12	16.77	264	356426	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	1087364	93.24	ng	-0.01
7) Phenol-d6	6.20	99	1520927	95.29	ng	-0.02
23) Nitrobenzene-d5	7.10	82	1116370	73.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.35	330	270301	79.32	ng	-0.03
44) 2-Fluorobiphenyl	8.90	172	1524697	64.01	ng	-0.02
78) Terphenyl-d14	13.19	244	1138477	67.48	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.30	77	30512	2.18	ng	82
19) n-Nitroso-di-n-propylamine	7.10	70	151392	13.27	ng	# 78
49) Dimethylphthalate	9.30	163	388597	14.09	ng	98
56) 2,4-Dinitrotoluene	9.56	165	45688	6.11	ng	# 6
66) 4-Bromophenyl-phenylether	10.35	248	19143	2.97	ng	# 1
70) Phenanthrene	11.12	178	265073	7.61	ng	99
74) Fluoranthene	12.62	202	323549	8.97	ng	91
77) Pyrene	12.93	202	310216	11.04	ng	100
80) Benzo(a)anthracene	14.69	228	129686	5.26	ng	98
82) Chrysene	14.74	228	121474	5.10	ng	99
85) Indeno(1,2,3-cd)pyrene	18.15	276	56579	3.26	ng	97
87) Benzo(b)fluoranthene	16.26	252	175682	7.68	ng	# 95
88) Benzo(k)fluoranthene	16.26	252	175723	8.14	ng	# 95
89) Benzo(a)pyrene	16.69	252	98653	5.02	ng	# 91
91) Benzo(g,h,i)perylene	18.52	276	58249	3.47	ng	93

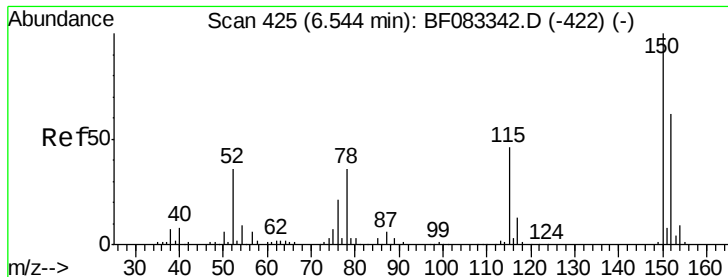
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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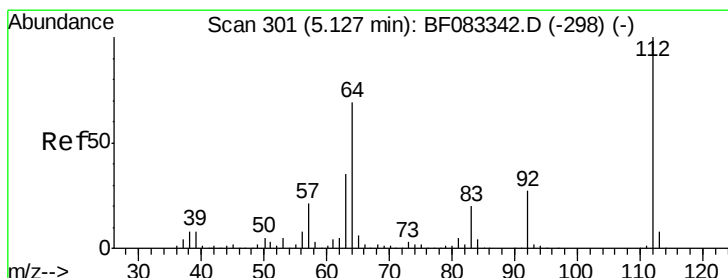
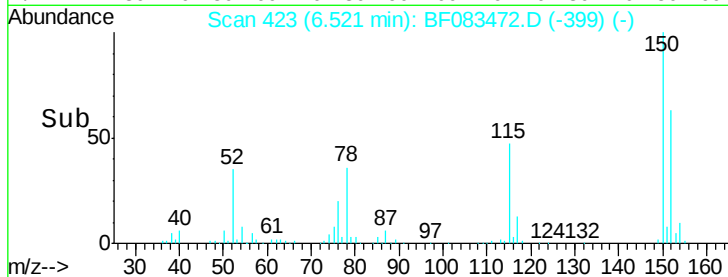
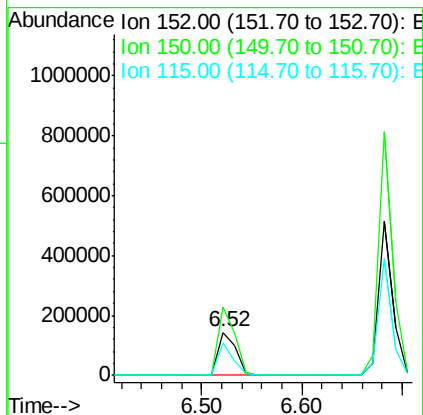
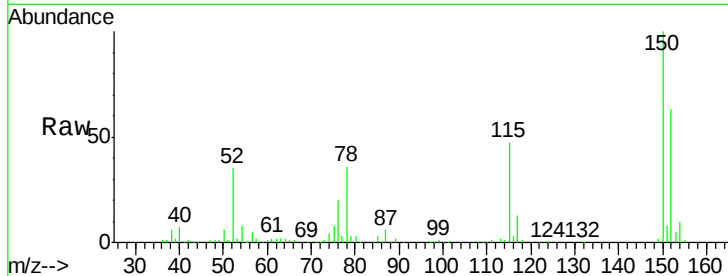


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 423
Delta R.T. -0.02 min
Lab File: BF083472.D
Acq: 3 Dec 2015 21:20

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-3-20151130

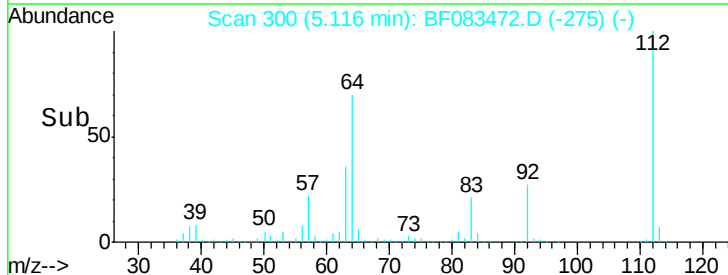
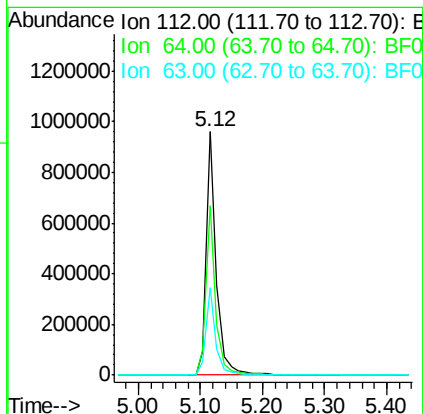
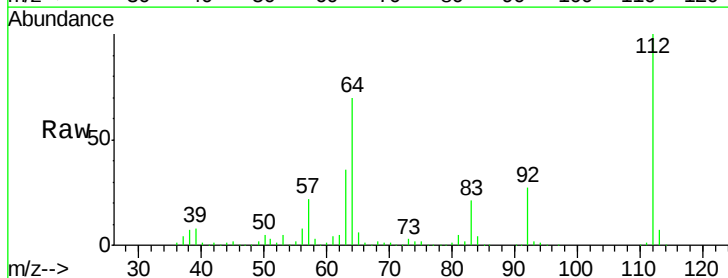
Tgt Ion:152 Resp: 174987
Ion Ratio Lower Upper
152 100
150 159.4 129.8 194.8
115 74.5 59.2 88.8



#5

2-Fluorophenol
Concen: 93.24 ng
RT: 5.12 min Scan# 300
Delta R.T. -0.01 min
Lab File: BF083472.D
Acq: 3 Dec 2015 21:20

Tgt Ion:112 Resp: 1087364
Ion Ratio Lower Upper
112 100
64 69.6 55.6 83.4
63 36.0 28.2 42.2





#7

Phenol-d6

Concen: 95.29 ng

RT: 6.20 min Scan# 395

Delta R.T. -0.02 min

Lab File: BF083472.D

Acq: 3 Dec 2015 21:20

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-3-20151130

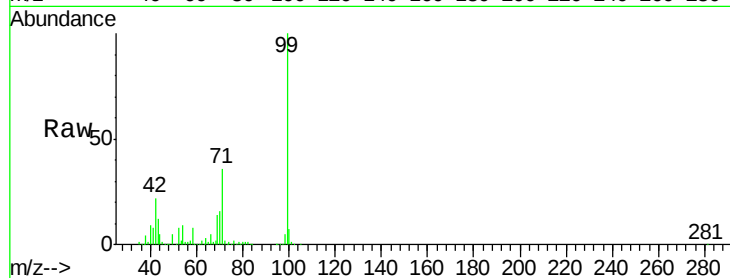
Tgt Ion: 99 Resp: 1520927

Ion Ratio Lower Upper

99 100

42 22.5 14.9 22.3#

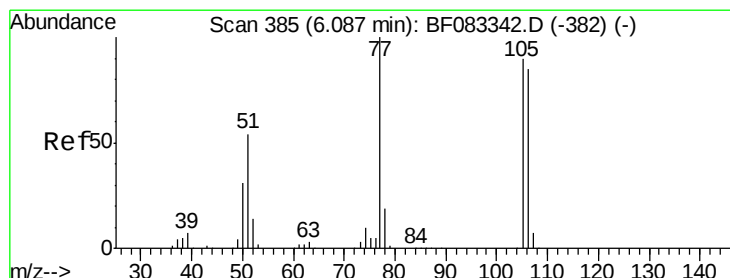
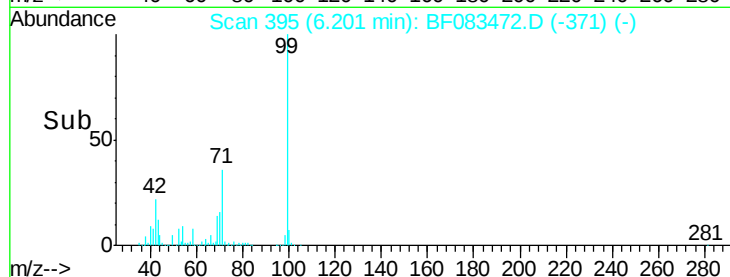
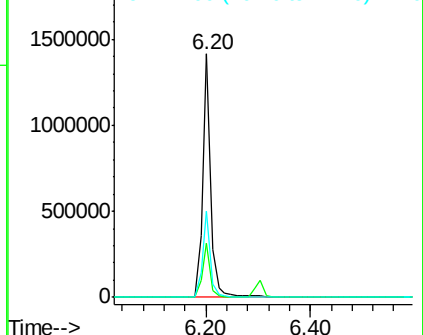
71 35.6 24.7 37.1



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



#9

Benzaldehyde

Concen: 2.18 ng

RT: 6.30 min Scan# 404

Delta R.T. 0.22 min

Lab File: BF083472.D

Acq: 3 Dec 2015 21:20

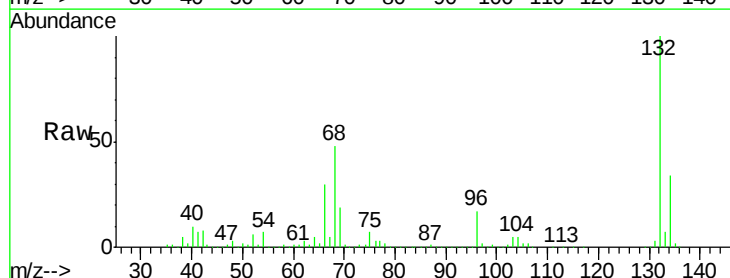
Tgt Ion: 77 Resp: 30512

Ion Ratio Lower Upper

77 100

105 76.4 70.0 110.0

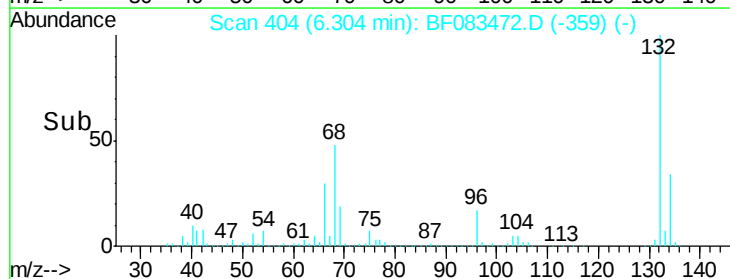
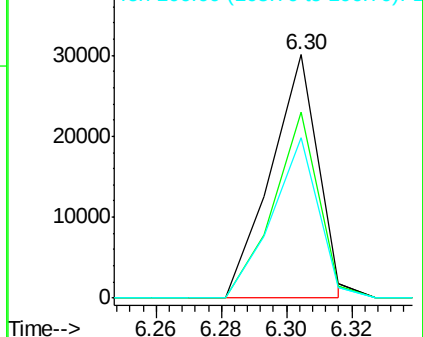
106 65.8 65.0 105.0

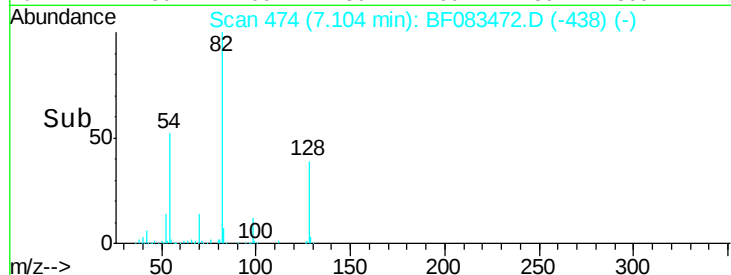
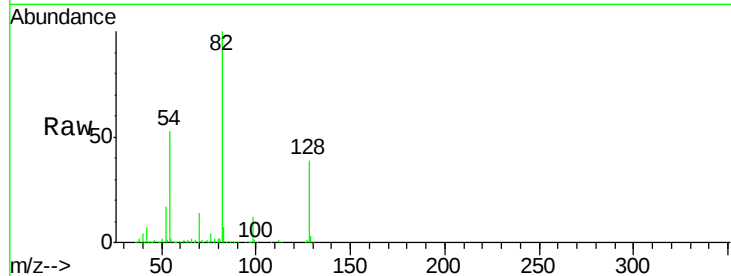
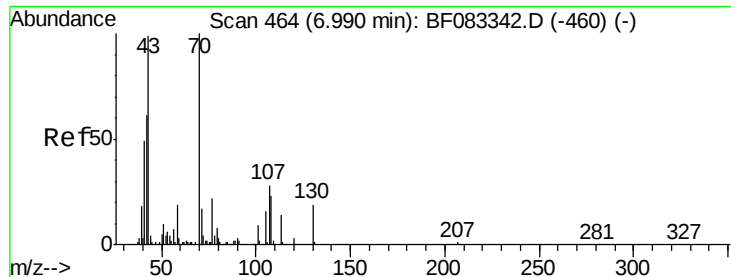


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

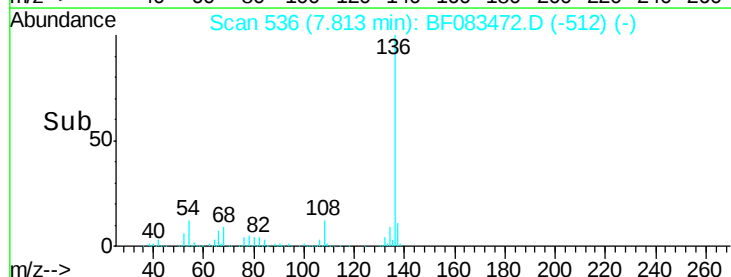
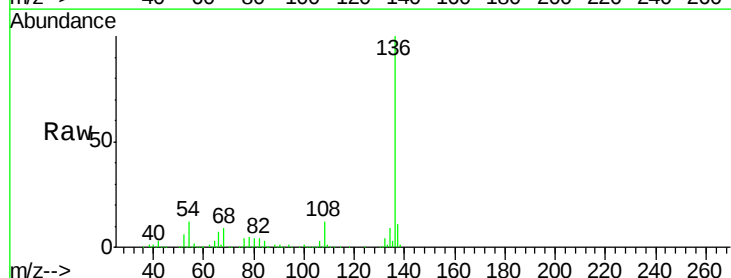
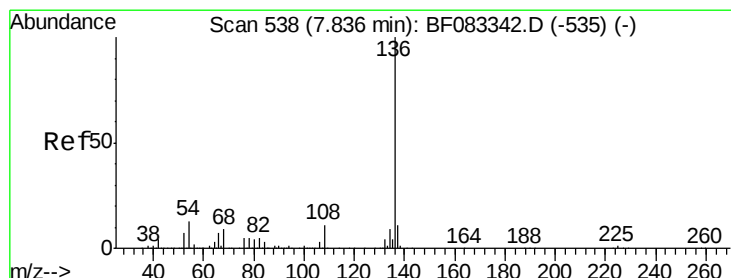
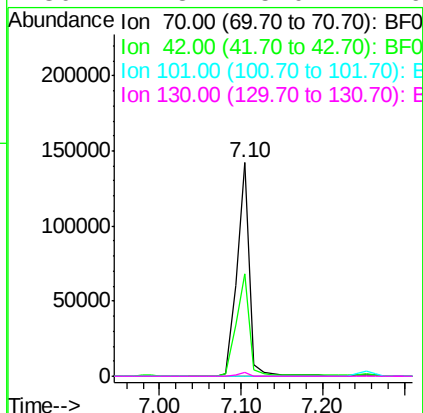




#19
n-Nitroso-di-n-propylamine
Concen: 13.27 ng
RT: 7.10 min Scan# 474
Delta R.T. 0.11 min
Lab File: BF083472.D
Acq: 3 Dec 2015 21:20

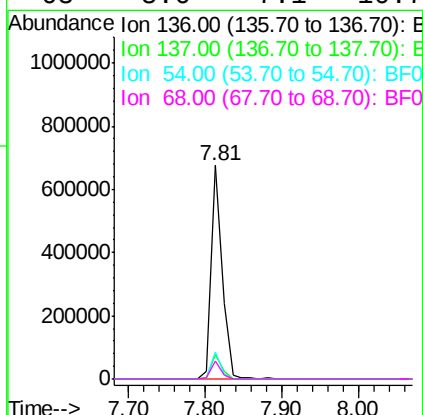
Instrument :
BNA_F
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CWC-MISC-3-20151130

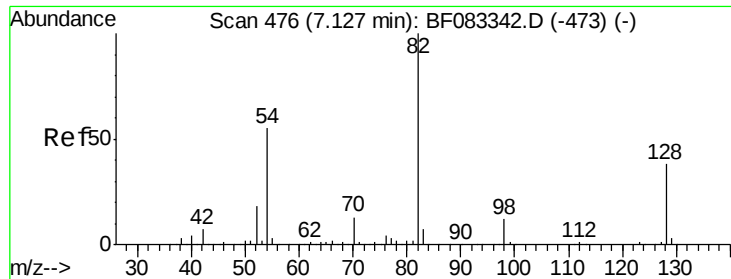
Tgt Ion: 70 Resp: 151392
Ion Ratio Lower Upper
70 100
42 48.2 48.8 73.2#
101 0.0 7.1 10.7#
130 1.8 15.0 22.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.81 min Scan# 536
Delta R.T. -0.02 min
Lab File: BF083472.D
Acq: 3 Dec 2015 21:20

Tgt Ion: 136 Resp: 667164
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 12.5 10.1 15.1
68 8.6 7.1 10.7

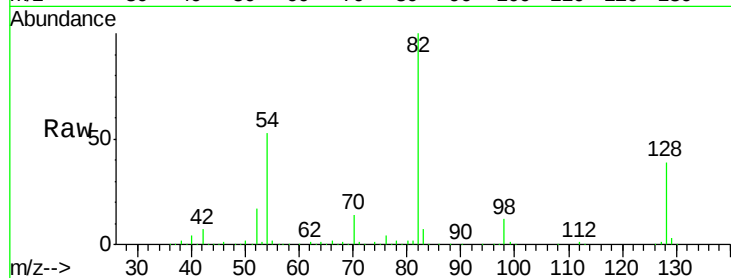




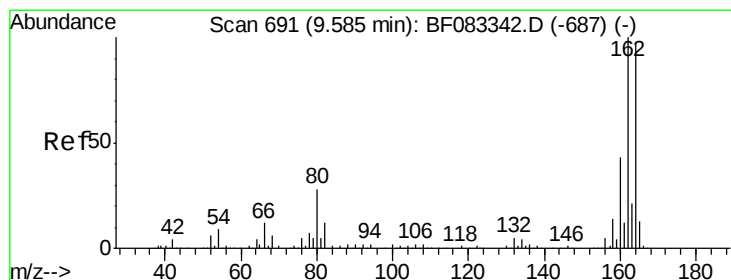
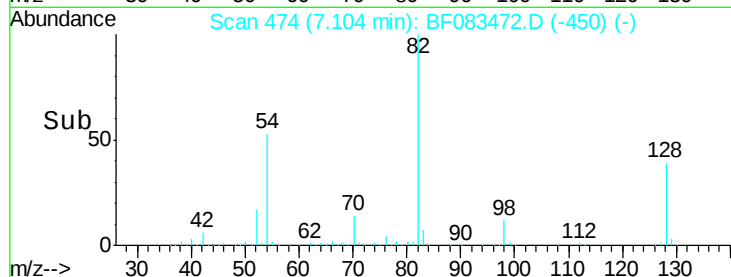
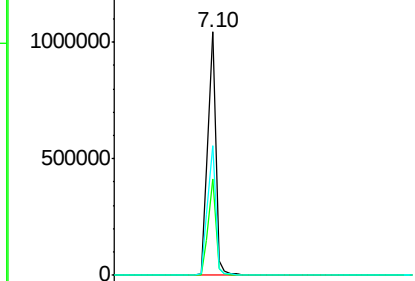
#23
 Nitrobenzene-d5
 Concen: 73.56 ng
 RT: 7.10 min Scan# 474
 Delta R.T. -0.02 min
 Lab File: BF083472.D
 Acq: 3 Dec 2015 21:20

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-3-20151130

Tgt Ion: 82 Resp: 1116370
 Ion Ratio Lower Upper
 82 100
 128 39.5 30.6 46.0
 54 53.0 43.8 65.6

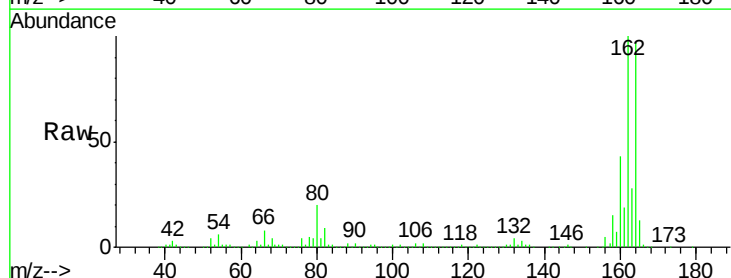


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

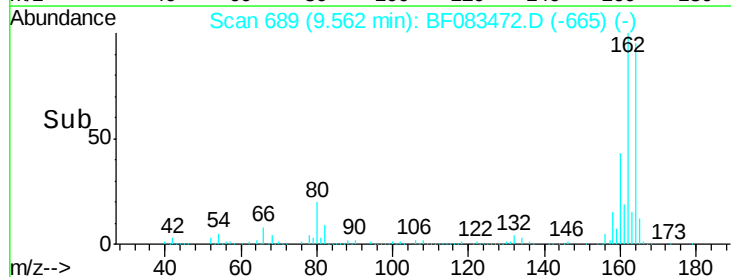
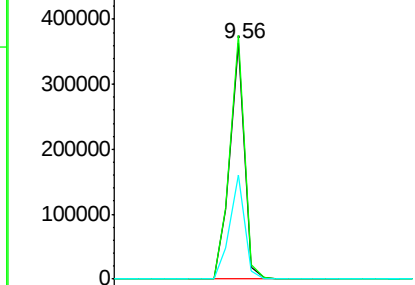


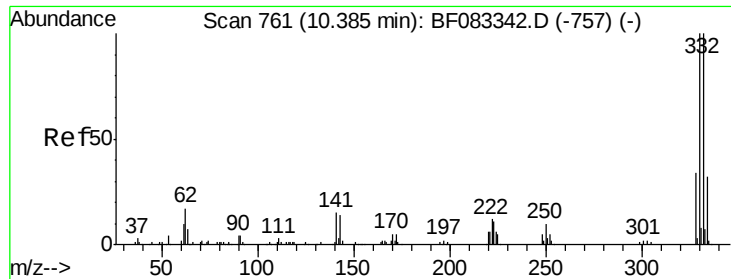
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: BF083472.D
 Acq: 3 Dec 2015 21:20

Tgt Ion: 164 Resp: 339467
 Ion Ratio Lower Upper
 164 100
 162 103.3 82.6 123.8
 160 44.2 35.3 52.9



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

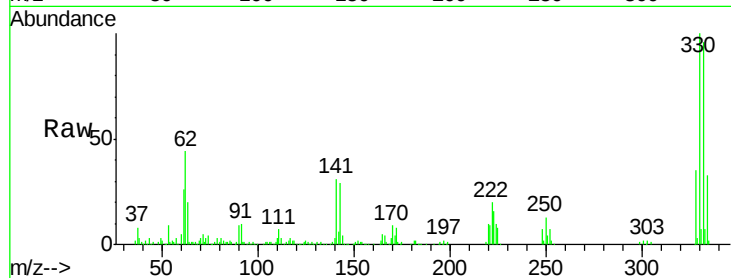




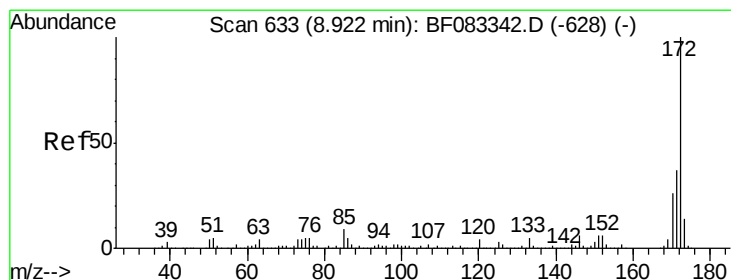
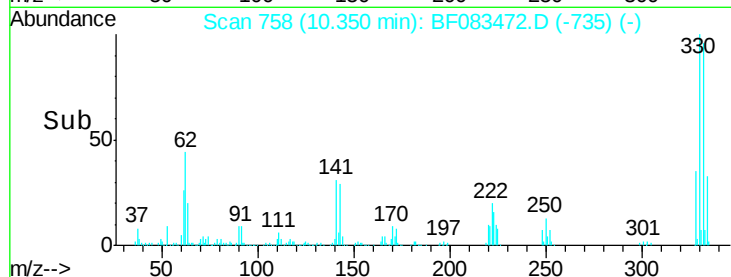
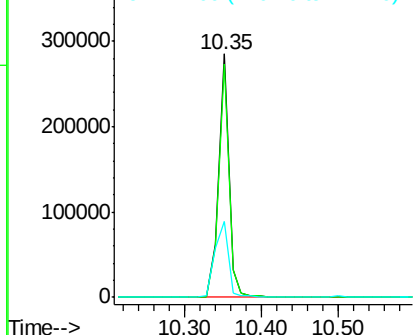
#41
 2,4,6-Tribromophenol
 Concen: 79.32 ng
 RT: 10.35 min Scan# 758
 Delta R.T. -0.03 min
 Lab File: BF083472.D
 Acq: 3 Dec 2015 21:20

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-3-20151130

Tgt Ion:330 Resp: 270301
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.8 116.6
 141 39.4 29.4 44.0

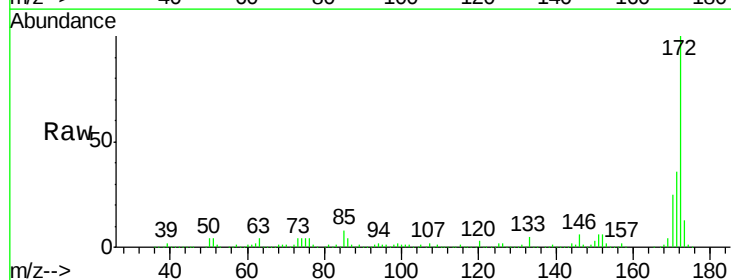


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

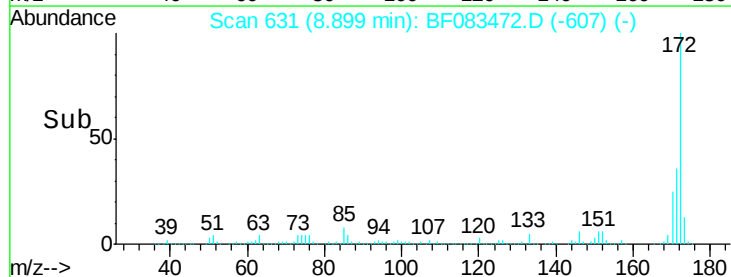
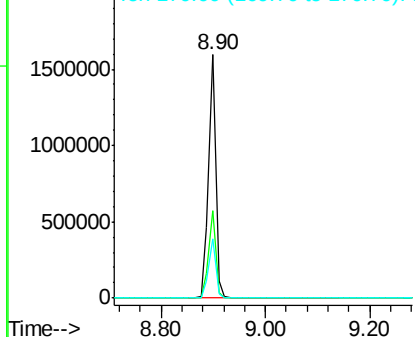


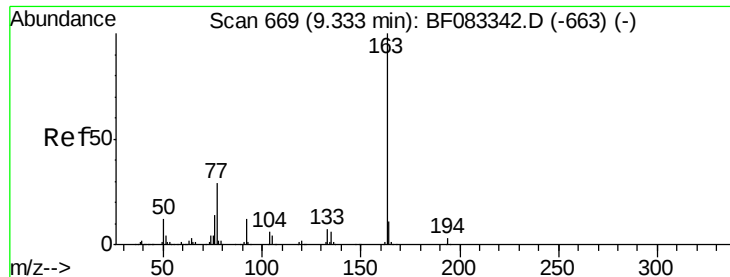
#44
 2-Fluorobiphenyl
 Concen: 64.01 ng
 RT: 8.90 min Scan# 631
 Delta R.T. -0.02 min
 Lab File: BF083472.D
 Acq: 3 Dec 2015 21:20

Tgt Ion:172 Resp: 1524697
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.6 20.4 30.6



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

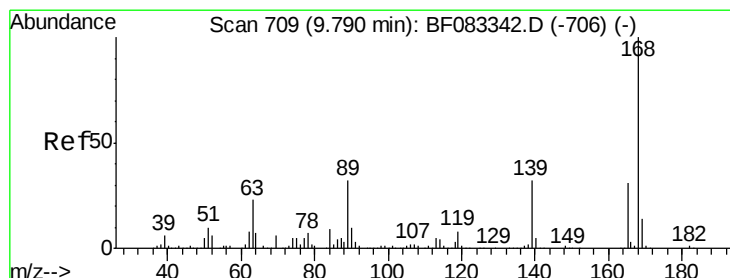
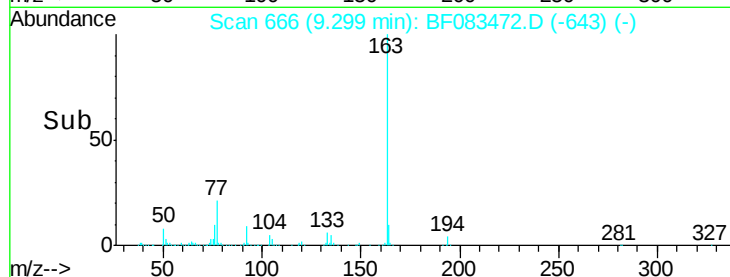
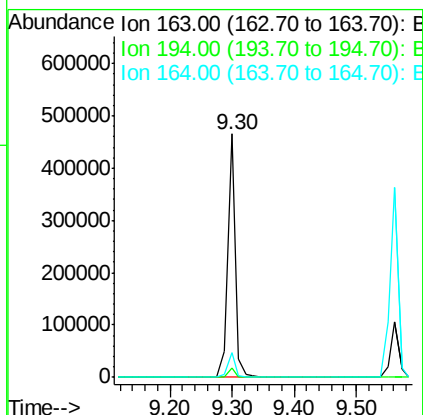
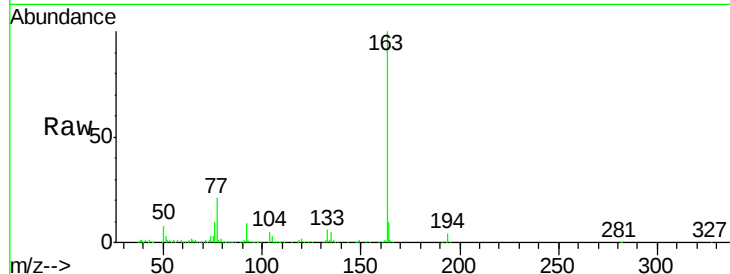




#49
Dimethylphthalate
Concen: 14.09 ng
RT: 9.30 min Scan# 666
Delta R.T. -0.03 min
Lab File: BF083472.D
Acq: 3 Dec 2015 21:20

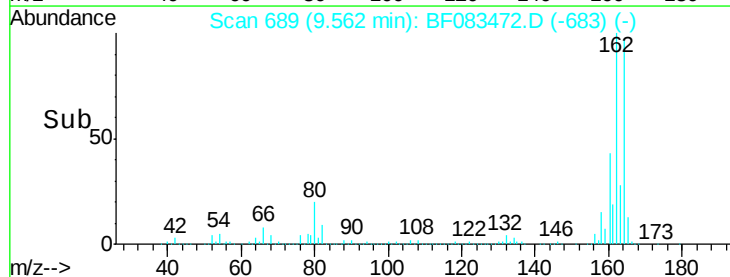
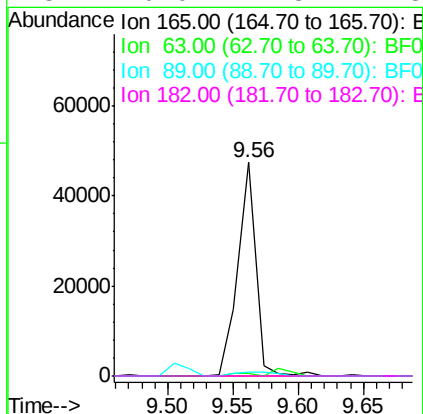
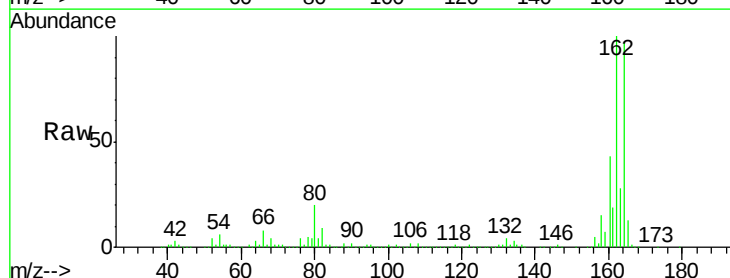
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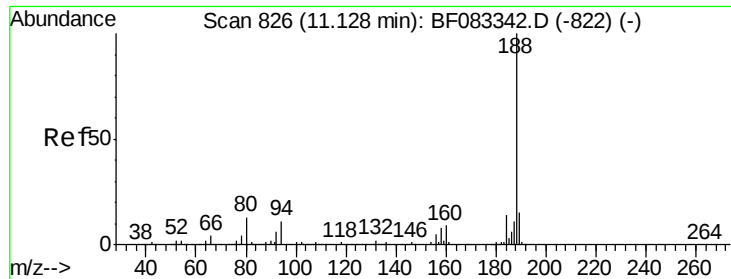
Tgt Ion:163 Resp: 388597
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.2 8.8 13.2



#56
2,4-Dinitrotoluene
Concen: 6.11 ng
RT: 9.56 min Scan# 689
Delta R.T. -0.23 min
Lab File: BF083472.D
Acq: 3 Dec 2015 21:20

Tgt Ion:165 Resp: 45688
Ion Ratio Lower Upper
165 100
63 1.4 65.4 98.0#
89 1.6 81.2 121.8#
182 0.0 1.8 2.8#

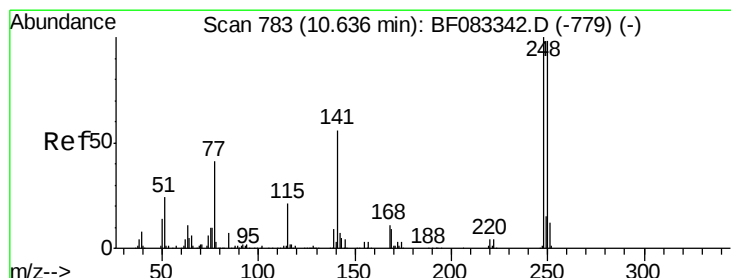
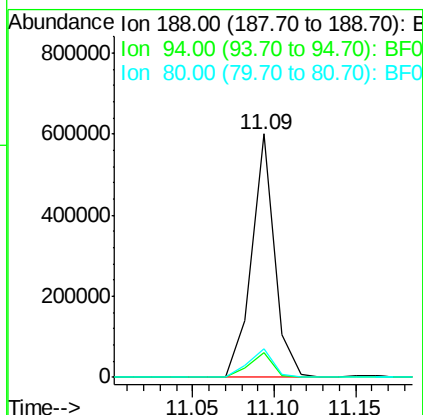
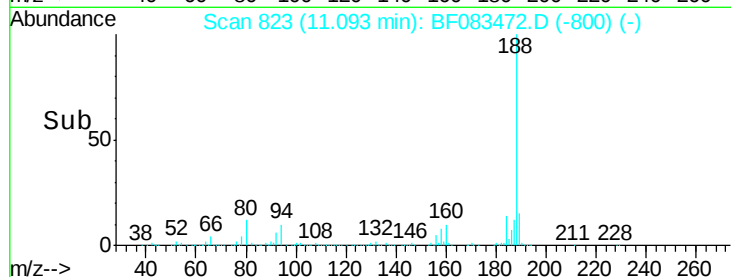
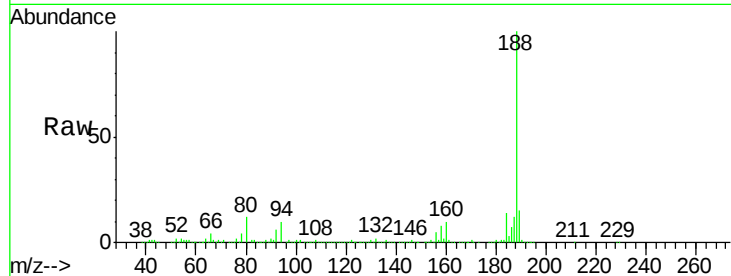




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.09 min Scan# 823
Delta R.T. -0.03 min
Lab File: BF083472.D
Acq: 3 Dec 2015 21:20

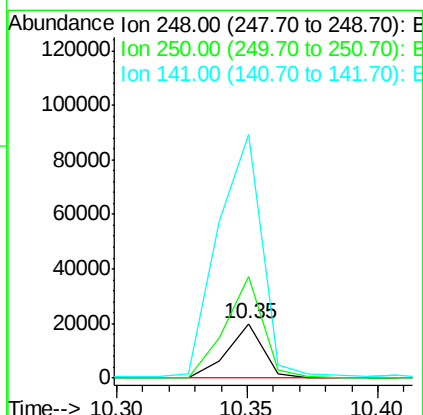
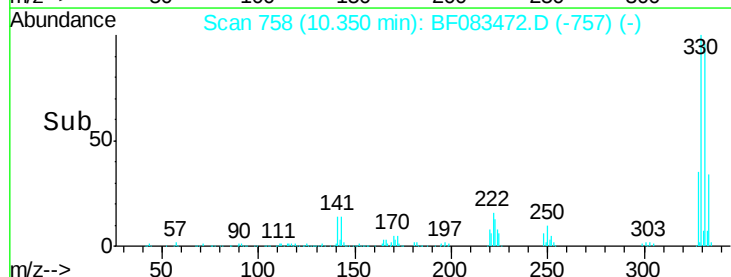
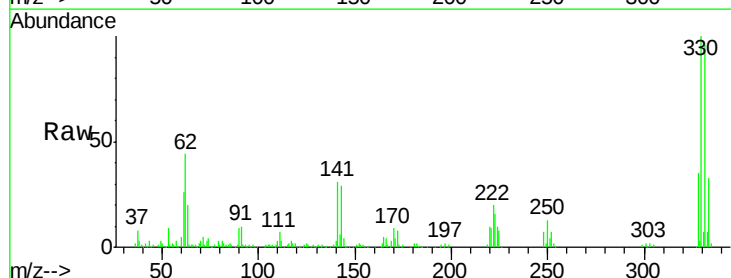
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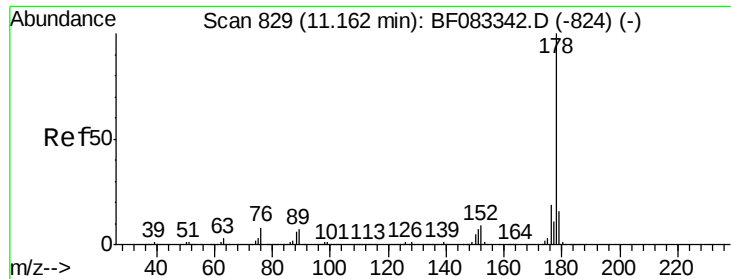
Tgt Ion:188 Resp: 588292
Ion Ratio Lower Upper
188 100
94 10.2 8.7 13.1
80 11.9 10.3 15.5



#66
4-Bromophenyl-phenylether
Concen: 2.97 ng
RT: 10.35 min Scan# 758
Delta R.T. -0.29 min
Lab File: BF083472.D
Acq: 3 Dec 2015 21:20

Tgt Ion:248 Resp: 19143
Ion Ratio Lower Upper
248 100
250 185.5 78.6 118.0#
141 445.9 44.4 66.6#

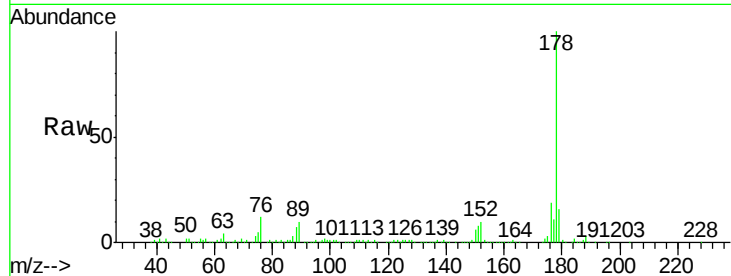




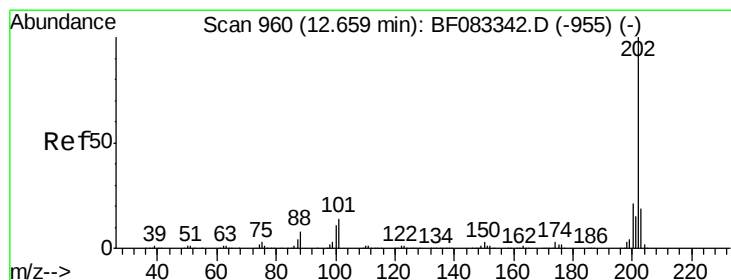
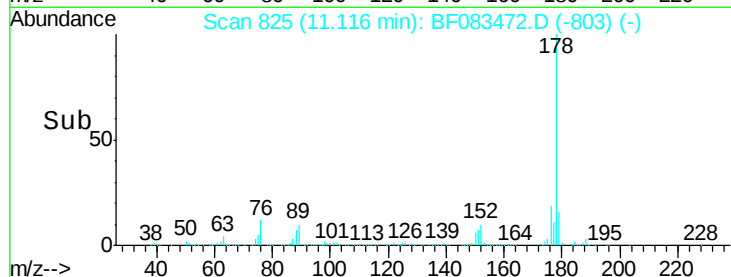
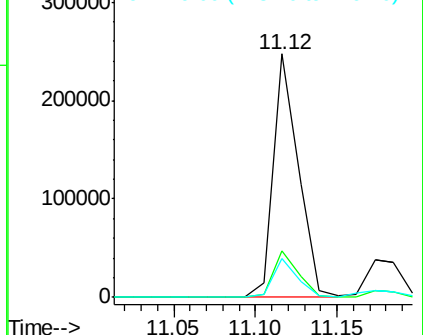
#70
Phenanthrene
Concen: 7.61 ng
RT: 11.12 min Scan# 825
Delta R.T. -0.05 min
Lab File: BF083472.D
Acq: 3 Dec 2015 21:20

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-3-20151130

Tgt Ion:178 Resp: 265073
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 16.1 12.4 18.6

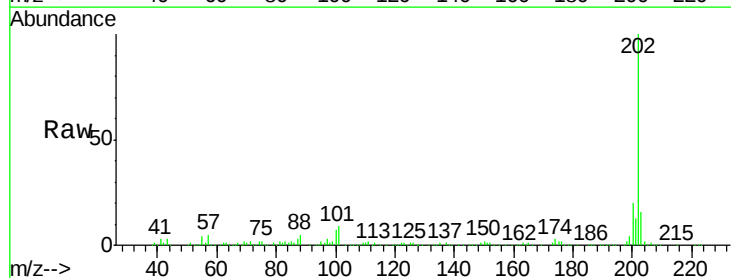


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

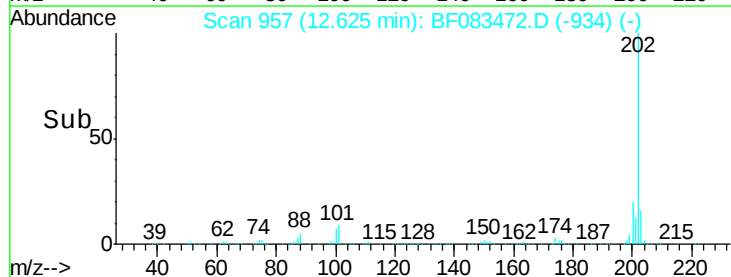
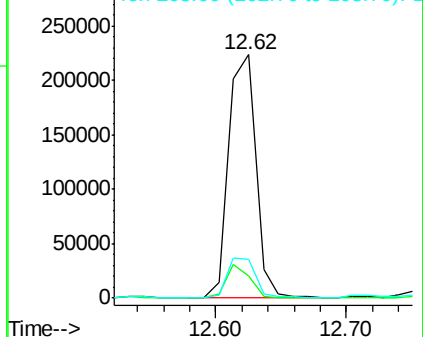


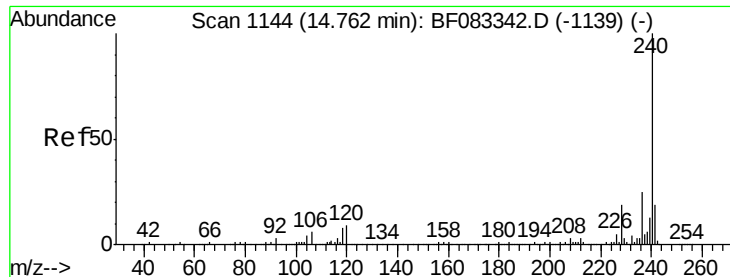
#74
Fluoranthene
Concen: 8.97 ng
RT: 12.62 min Scan# 957
Delta R.T. -0.03 min
Lab File: BF083472.D
Acq: 3 Dec 2015 21:20

Tgt Ion:202 Resp: 323549
Ion Ratio Lower Upper
202 100
101 9.2 0.0 34.5
203 16.1 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.71 min Scan# 1139

Delta R.T. -0.06 min

Lab File: BF083472.D

Acq: 3 Dec 2015 21:20

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-3-20151130

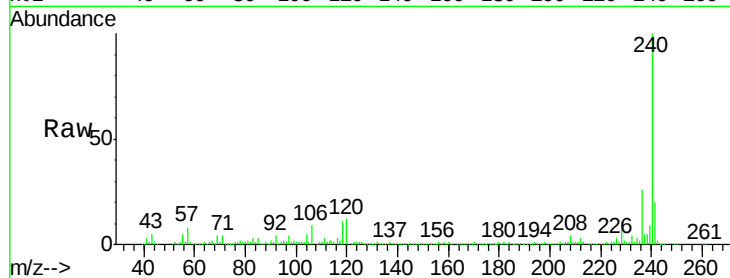
Tgt Ion:240 Resp: 402337

Ion Ratio Lower Upper

240 100

120 11.7 6.9 10.3#

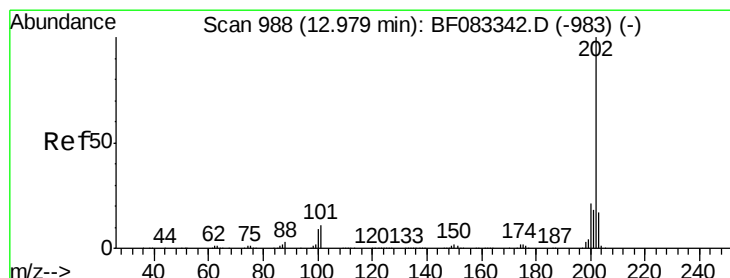
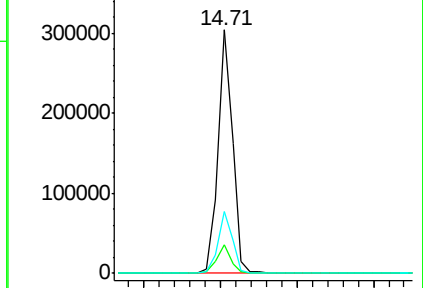
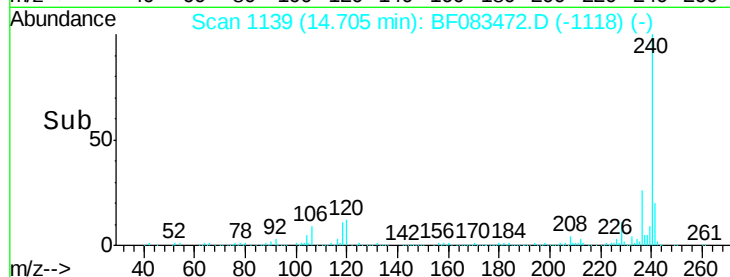
236 25.7 19.8 29.6



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: 11.04 ng

RT: 12.93 min Scan# 984

Delta R.T. -0.05 min

Lab File: BF083472.D

Acq: 3 Dec 2015 21:20

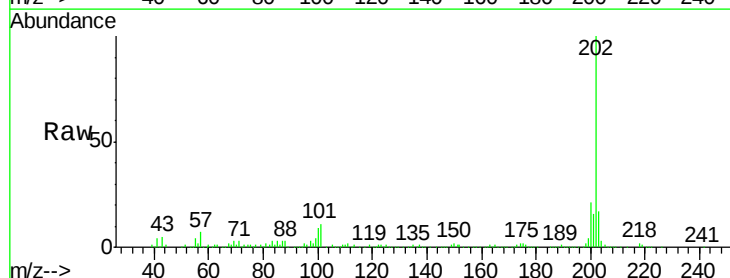
Tgt Ion:202 Resp: 310216

Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

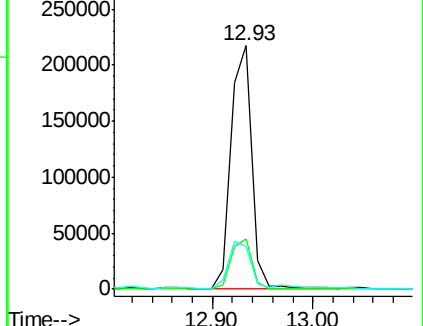
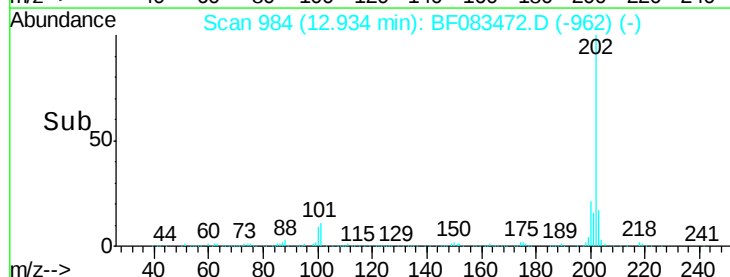
203 17.3 13.9 20.9

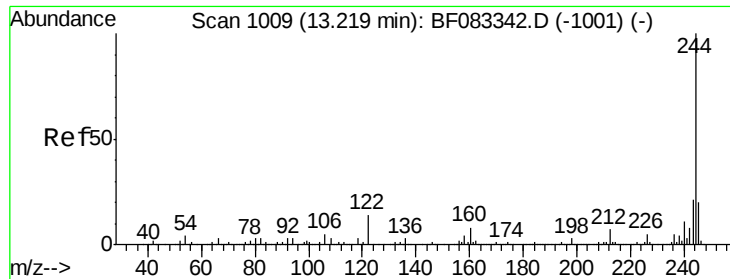


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

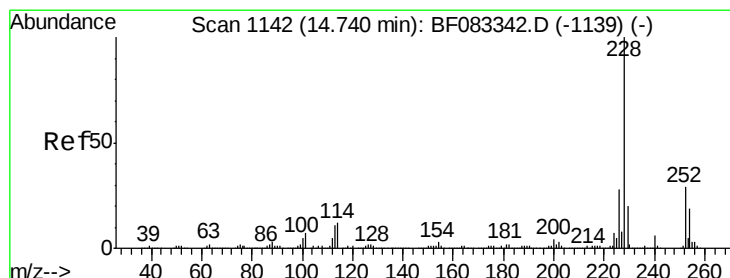
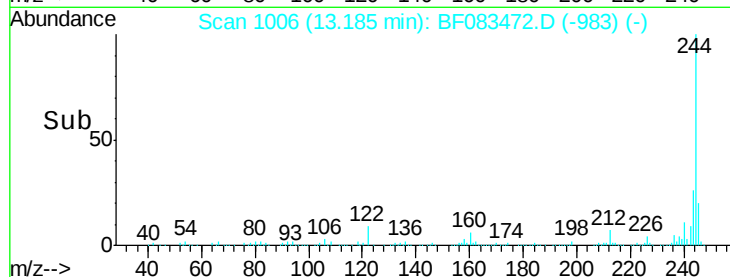
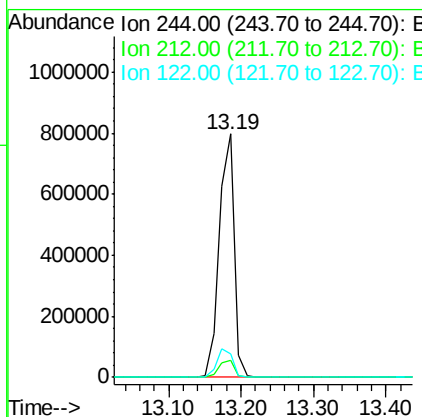
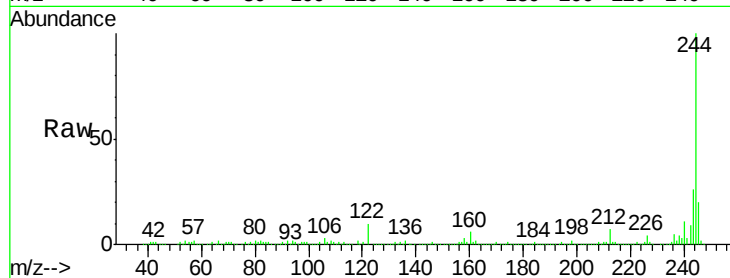




#78
 Terphenyl-d14
 Concen: 67.48 ng
 RT: 13.19 min Scan# 1006
 Delta R.T. -0.03 min
 Lab File: BF083472.D
 Acq: 3 Dec 2015 21:20

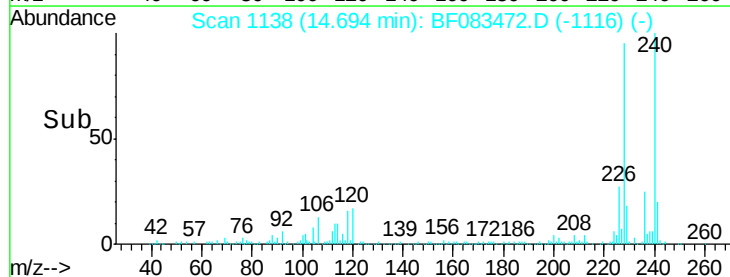
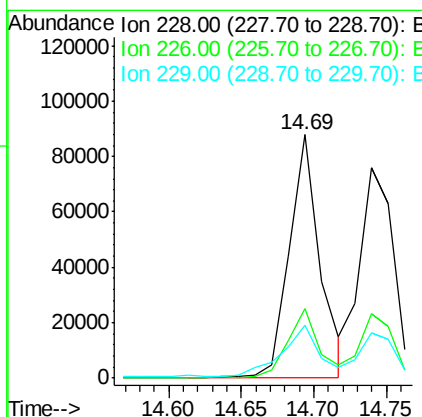
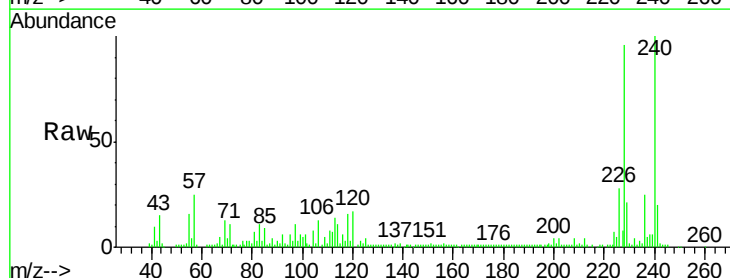
Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-3-20151130

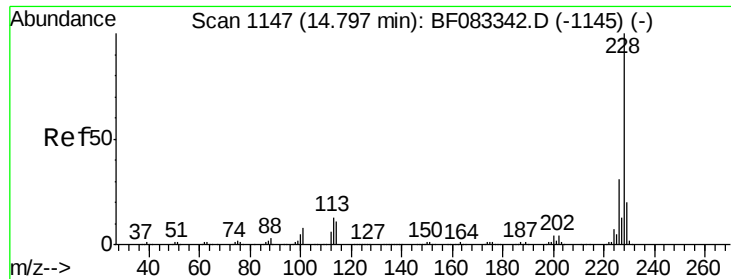
Tgt Ion:244 Resp: 1138477
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 9.5 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 5.26 ng
 RT: 14.69 min Scan# 1138
 Delta R.T. -0.05 min
 Lab File: BF083472.D
 Acq: 3 Dec 2015 21:20

Tgt Ion:228 Resp: 129686
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.2 33.4
 229 21.6 16.1 24.1





#82

Chrysene

Concen: 5.10 ng

RT: 14.74 min Scan# 1142

Delta R.T. -0.06 min

Lab File: BF083472.D

Acq: 3 Dec 2015 21:20

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-3-20151130

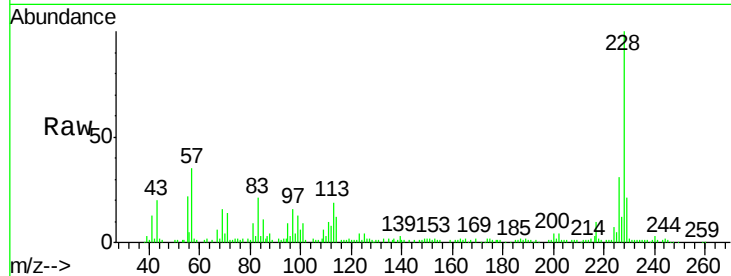
Tgt Ion:228 Resp: 121474

Ion Ratio Lower Upper

228 100

226 30.6 24.6 37.0

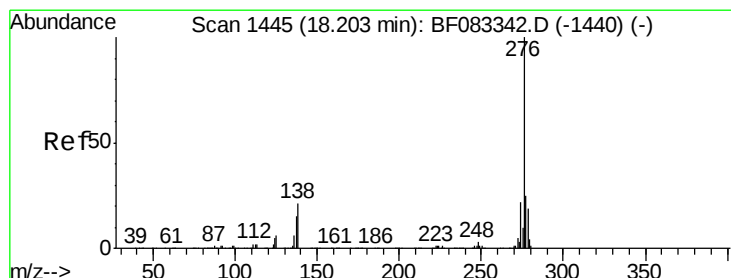
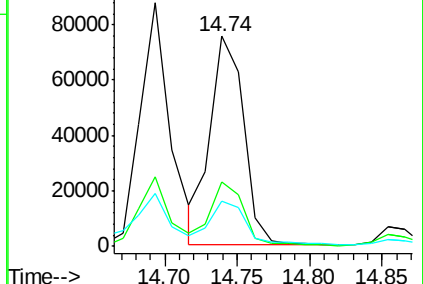
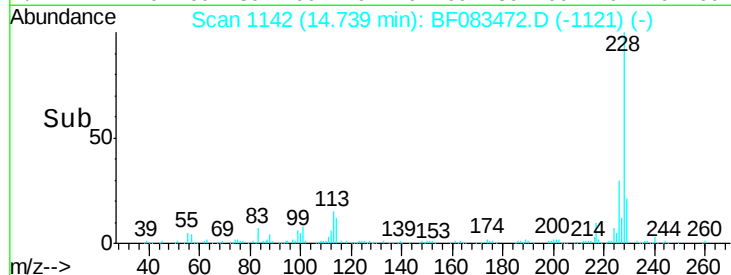
229 21.5 16.2 24.2



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.26 ng

RT: 18.15 min Scan# 1440

Delta R.T. -0.06 min

Lab File: BF083472.D

Acq: 3 Dec 2015 21:20

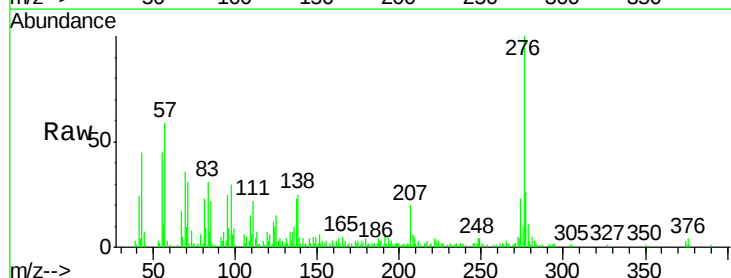
Tgt Ion:276 Resp: 56579

Ion Ratio Lower Upper

276 100

138 24.5 21.2 31.8

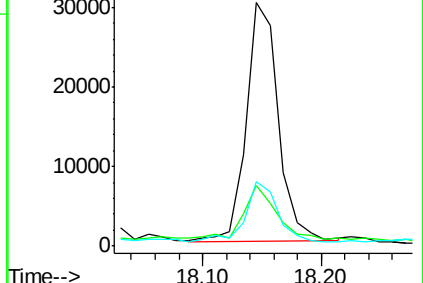
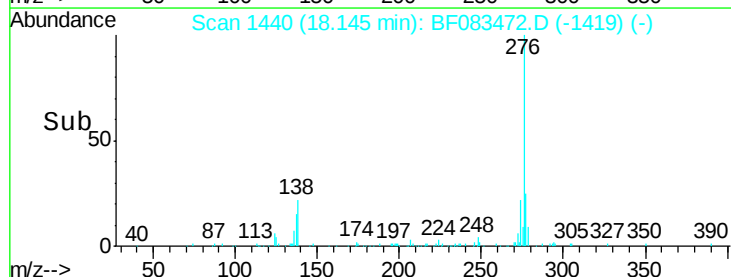
277 26.0 20.0 30.0

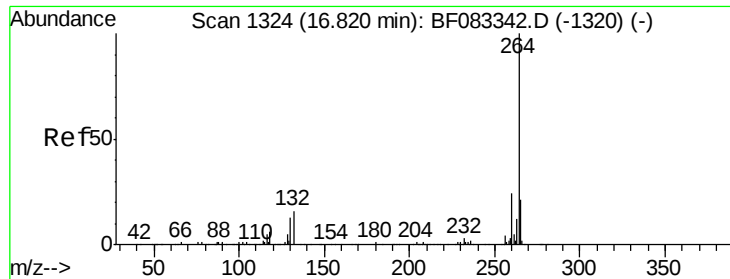


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

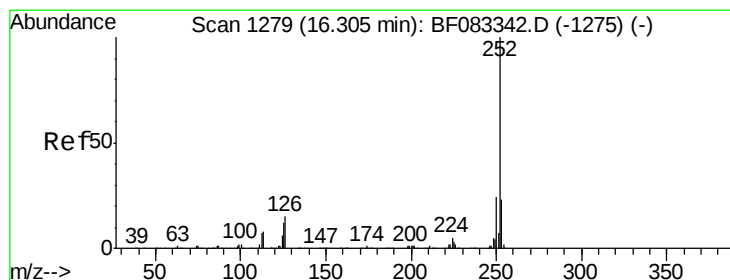
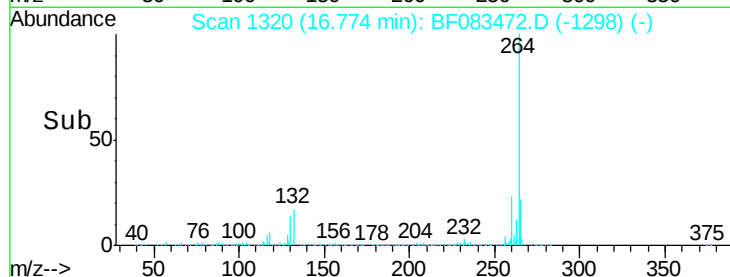
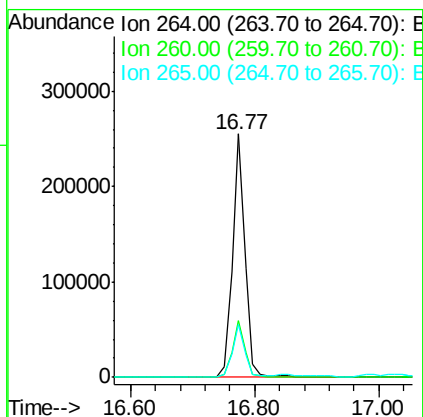
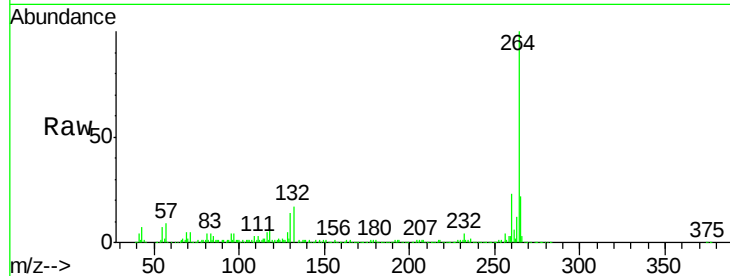




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.77 min Scan# 1320
Delta R.T. -0.05 min
Lab File: BF083472.D
Acq: 3 Dec 2015 21:20

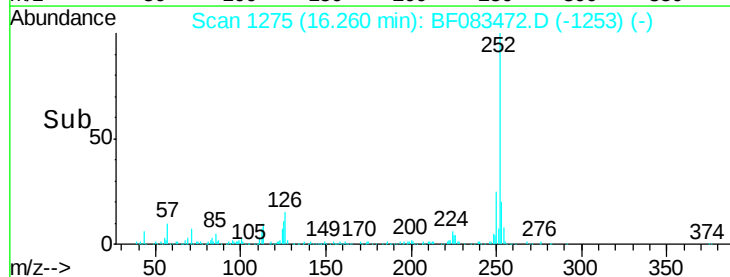
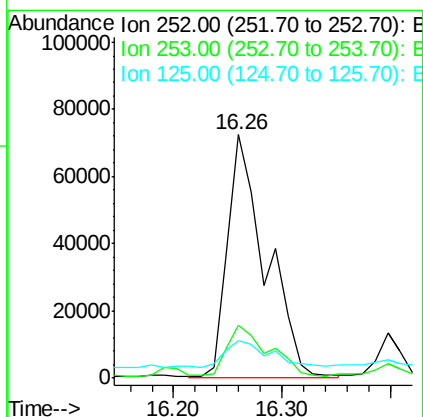
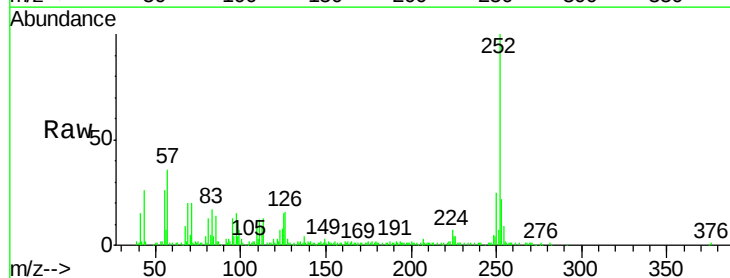
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-3-20151130

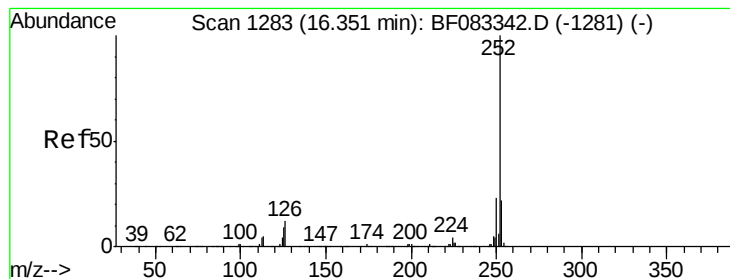
Tgt Ion: 264 Resp: 356426
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.4
265 21.6 16.8 25.2



#87
Benzo(b)fluoranthene
Concen: 7.68 ng
RT: 16.26 min Scan# 1275
Delta R.T. -0.05 min
Lab File: BF083472.D
Acq: 3 Dec 2015 21:20

Tgt Ion: 252 Resp: 175682
Ion Ratio Lower Upper
252 100
253 21.5 18.4 27.6
125 15.4 9.6 14.4#





#88

Benzo(k)fluoranthene

Concen: 8.14 ng

RT: 16.26 min Scan# 1275

Delta R.T. -0.09 min

Lab File: BF083472.D

Acq: 3 Dec 2015 21:20

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-3-20151130

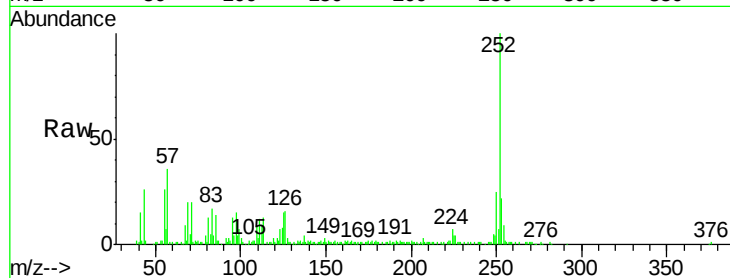
Tgt Ion:252 Resp: 175723

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.0

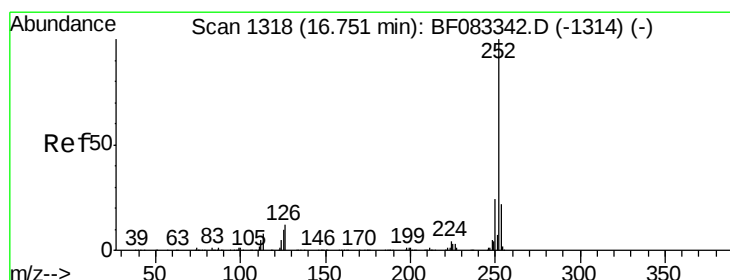
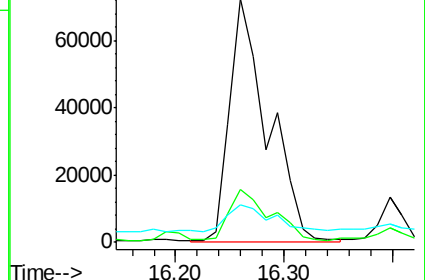
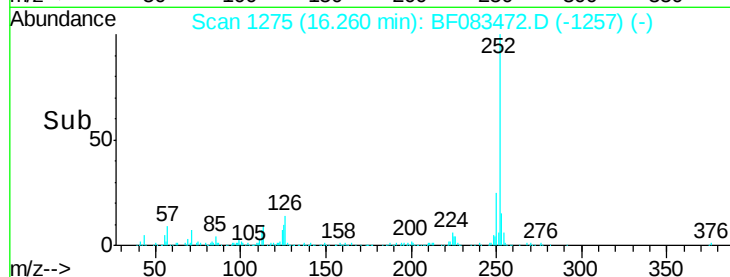
125 15.4 7.5 11.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 5.02 ng

RT: 16.69 min Scan# 1313

Delta R.T. -0.06 min

Lab File: BF083472.D

Acq: 3 Dec 2015 21:20

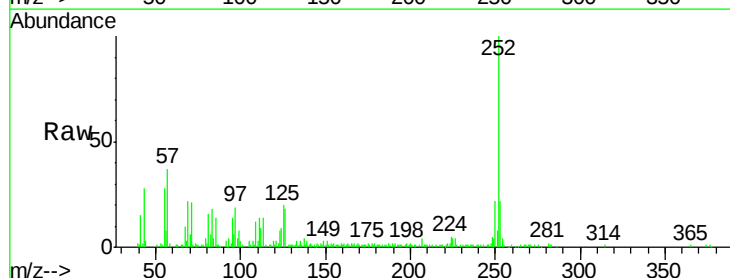
Tgt Ion:252 Resp: 98653

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

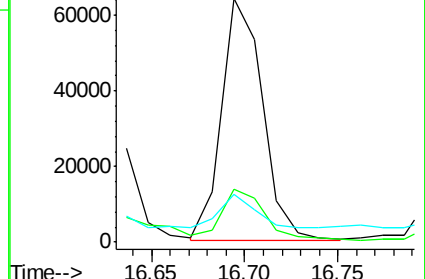
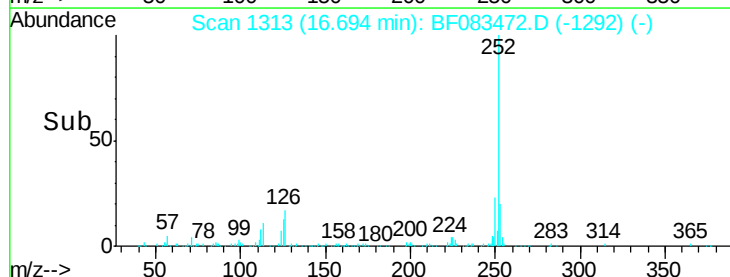
125 19.5 7.8 11.8#

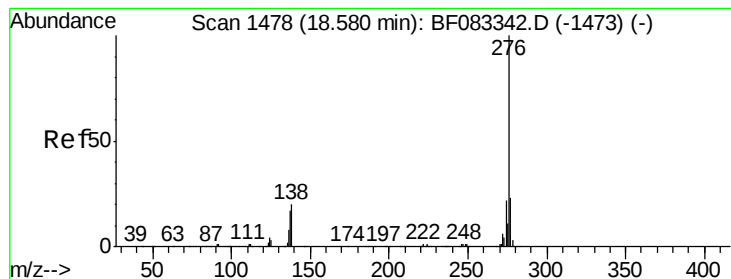


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 3.47 ng

RT: 18.52 min Scan# 1473

Delta R.T. -0.06 min

Lab File: BF083472.D

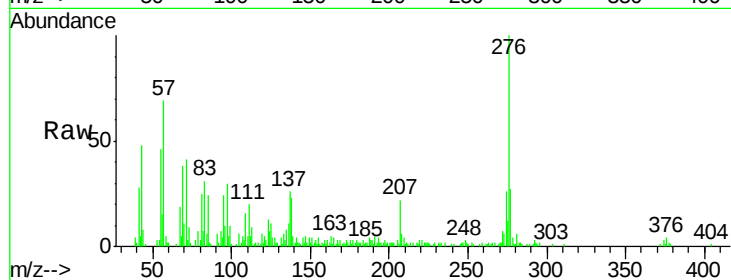
Acq: 3 Dec 2015 21:20

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-3-20151130



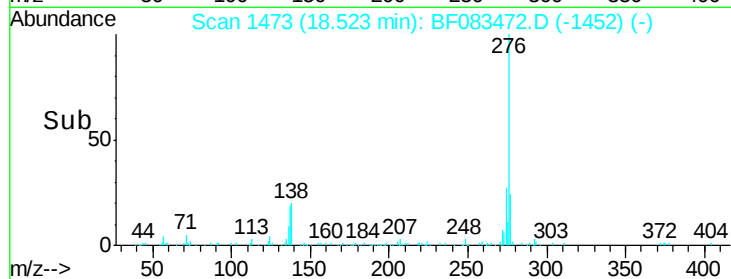
Tgt Ion: 276 Resp: 58249

Ion Ratio Lower Upper

276 100

277 27.0 18.6 28.0

138 22.6 16.1 24.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

