

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030216\
 Data File : BF085151.D
 Acq On : 3 Mar 2016 6:02
 Operator : SJ/IZ
 Sample : H1640-16
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-2

Quant Time: Mar 03 06:52:20 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 02 13:25:39 2016
 Response via : Initial Calibration

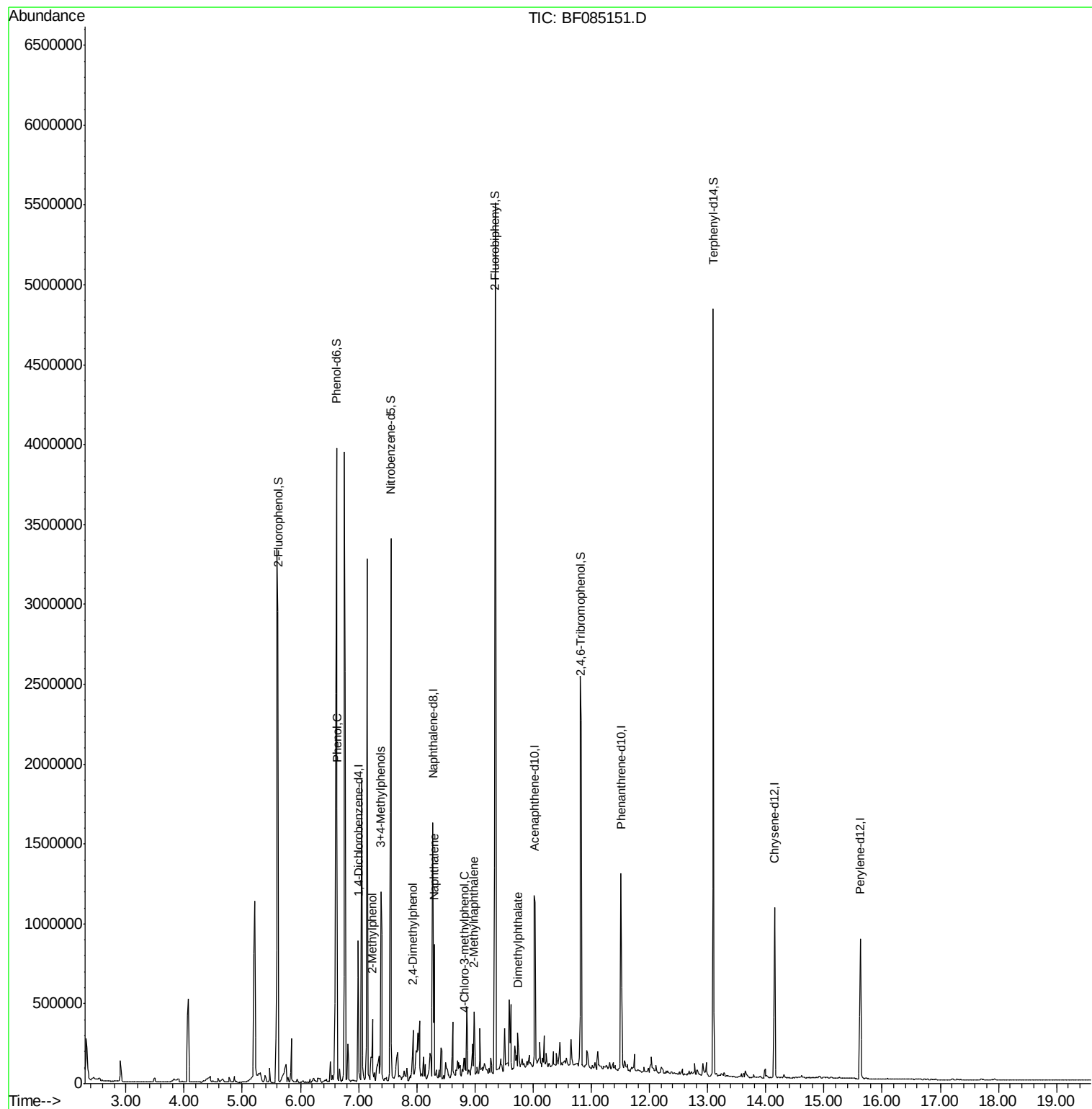
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	171109	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	719815	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	302070	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	489032	20.00	ng	0.00
75) Chrysene-d12	14.15	240	381729	20.00	ng	0.00
86) Perylene-d12	15.63	264	410038	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1431742	135.84	ng	0.03
7) Phenol-d6	6.62	99	1617002	117.03	ng	0.00
23) Nitrobenzene-d5	7.56	82	1256014	92.83	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	516350	170.10	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	1745917	85.12	ng	0.00
78) Terphenyl-d14	13.10	244	1438724	88.41	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.63	94	505121	32.68	ng	93
17) 2-Methylphenol	7.24	107	71625	7.04	ng	96
20) 3+4-Methylphenols	7.38	107	339691	27.92	ng	# 83
27) 2,4-Dimethylphenol	7.93	122	69899	5.75	ng	# 93
31) Naphthalene	8.30	128	357069	9.81	ng	97
36) 4-Chloro-3-methylphenol	8.81	107	26364	2.38	ng	95
37) 2-Methylnaphthalene	8.98	142	92968	4.18	ng	98
49) Dimethylphthalate	9.74	163	74130	3.31	ng	98

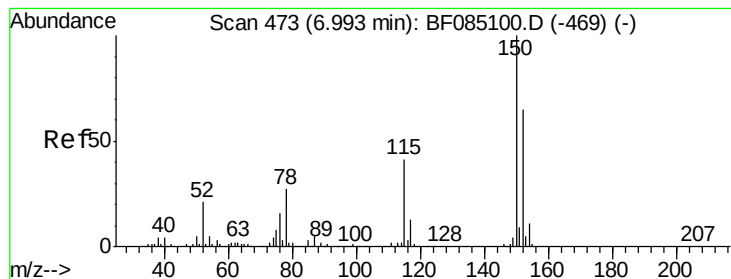
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 02 13:25:39 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.00 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF085151.D

Acq: 3 Mar 2016 6:02

Instrument :

BNA_F

ClientSampleId :

WASTE-2

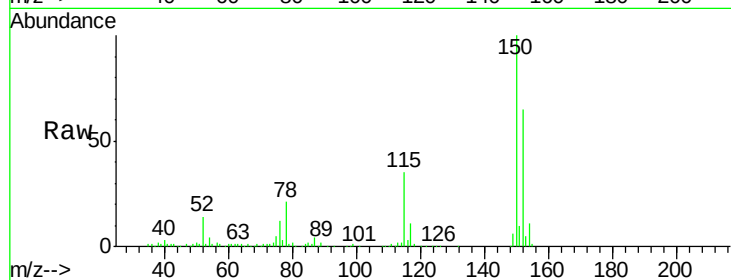
Tgt Ion:152 Resp: 171109

Ion Ratio Lower Upper

152 100

150 153.3 123.4 185.0

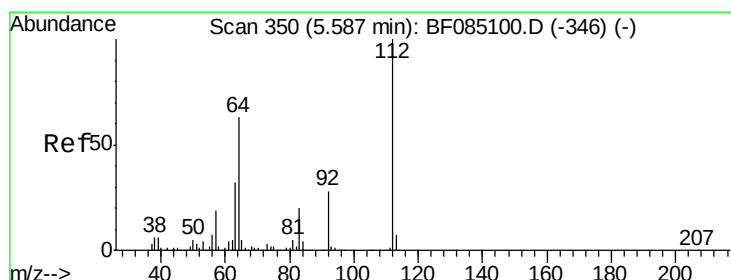
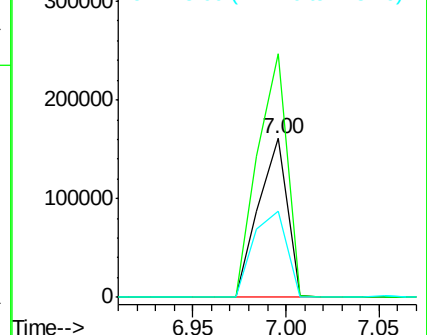
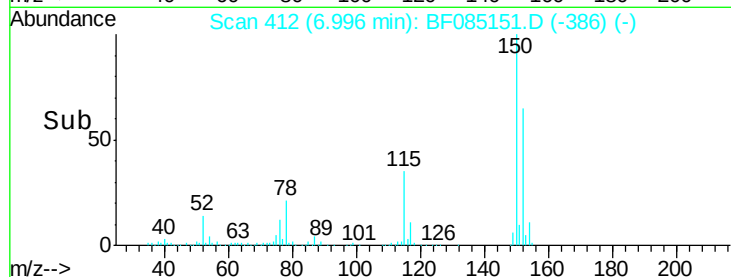
115 54.1 50.0 75.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 135.84 ng

RT: 5.61 min Scan# 291

Delta R.T. 0.03 min

Lab File: BF085151.D

Acq: 3 Mar 2016 6:02

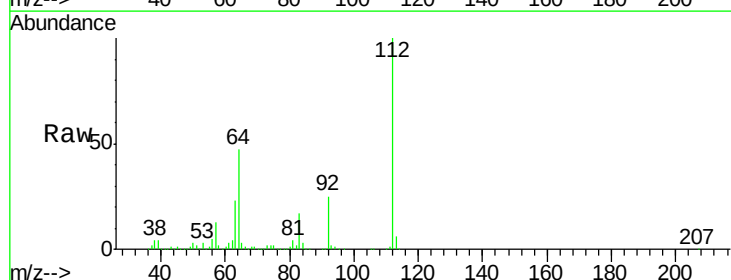
Tgt Ion:112 Resp: 1431742

Ion Ratio Lower Upper

112 100

64 46.8 50.6 76.0#

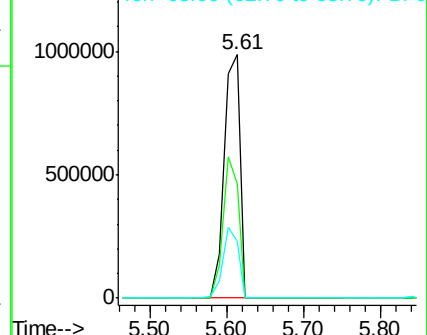
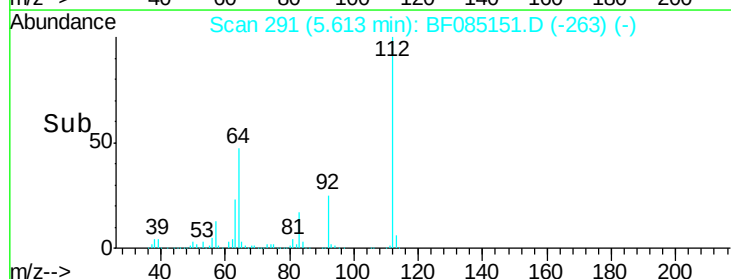
63 23.2 25.5 38.3#

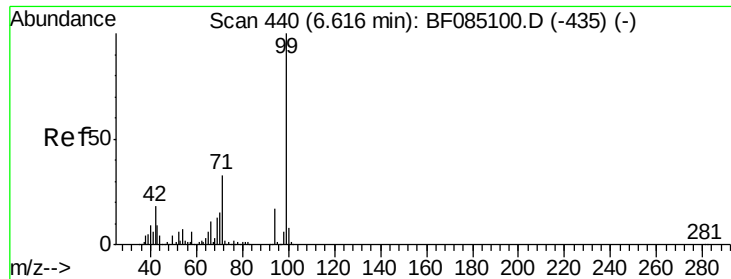


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.03 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF085151.D

Acq: 3 Mar 2016 6:02

Instrument :

BNA_F

ClientSampleId :

WASTE-2

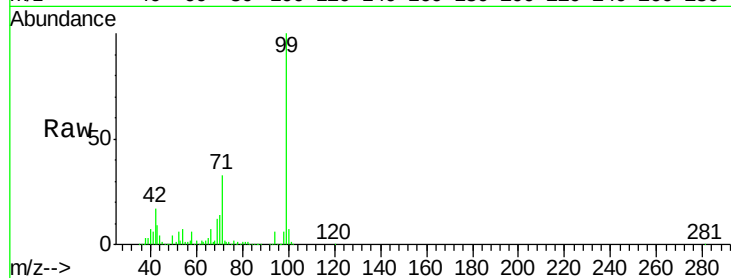
Tgt Ion: 99 Resp: 1617002

Ion Ratio Lower Upper

99 100

42 16.6 14.1 21.1

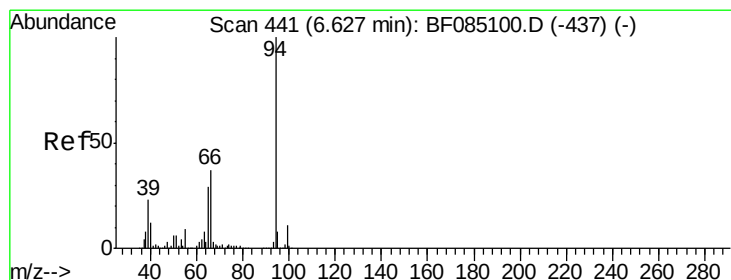
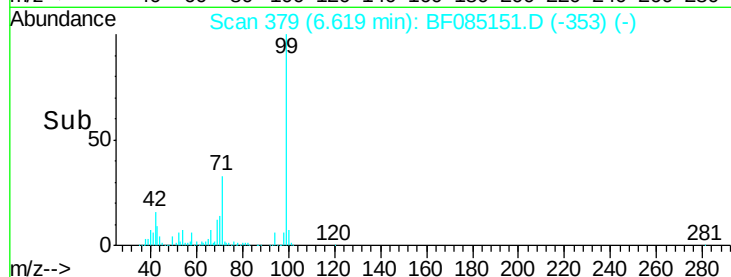
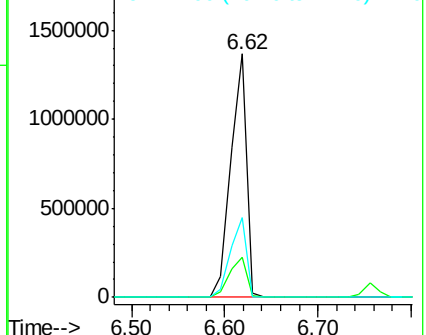
71 32.8 26.8 40.2



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: 32.68 ng

RT: 6.63 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF085151.D

Acq: 3 Mar 2016 6:02

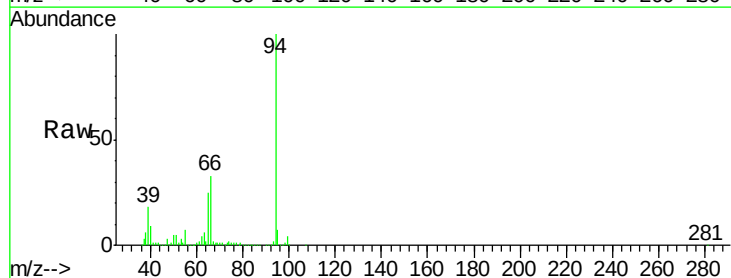
Tgt Ion: 94 Resp: 505121

Ion Ratio Lower Upper

94 100

65 25.1 9.1 49.1

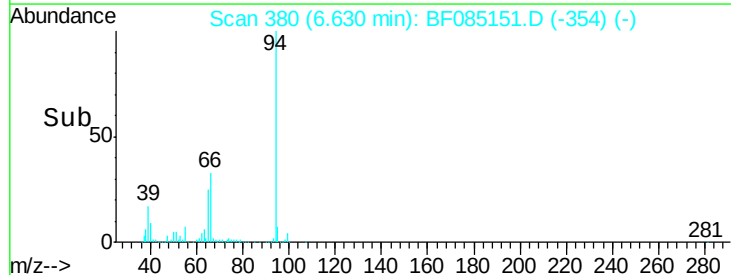
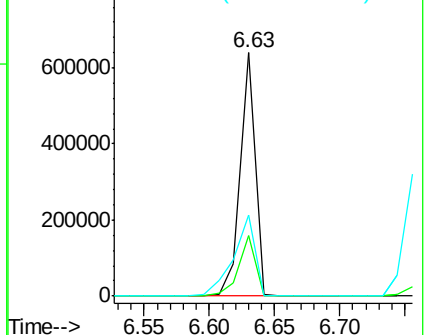
66 33.2 17.5 57.5

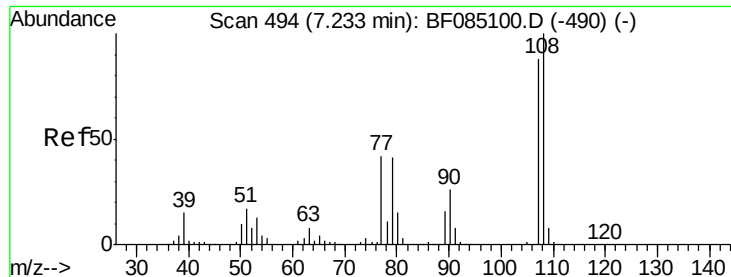


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

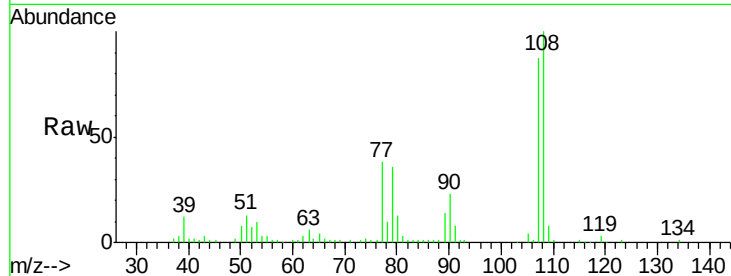




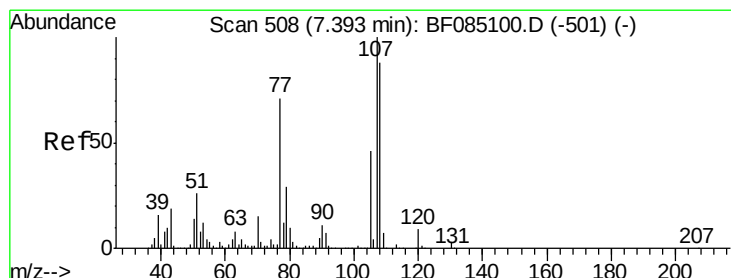
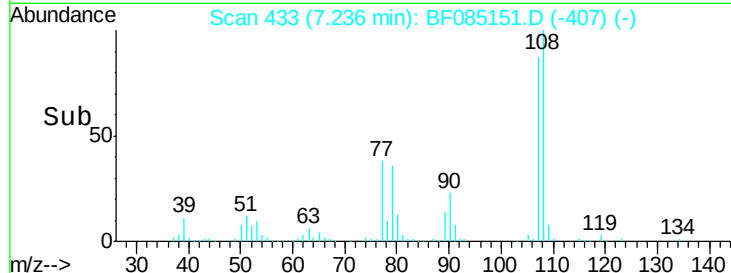
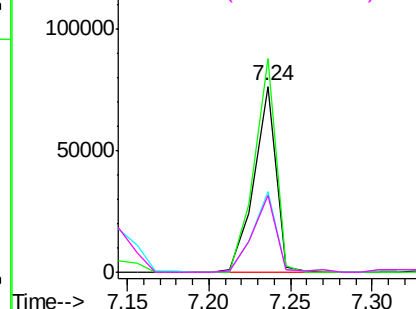
#17
2-Methylphenol
Concen: 7.04 ng
RT: 7.24 min Scan# 433
Delta R.T. 0.00 min
Lab File: BF085151.D
Acq: 3 Mar 2016 6:02

Instrument :
BNA_F
ClientSampleId :
WASTE-2

Tgt Ion:107 Resp: 71625
Ion Ratio Lower Upper
107 100
108 114.8 91.4 137.2
77 43.5 38.7 58.1
79 41.4 37.8 56.6



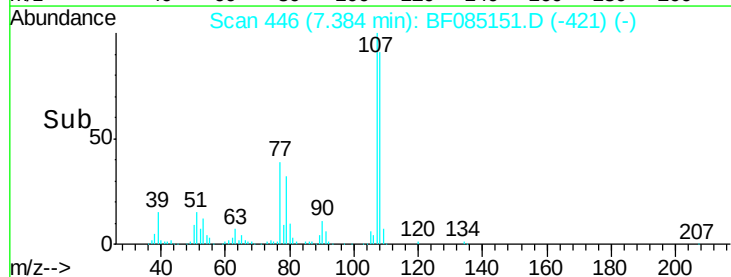
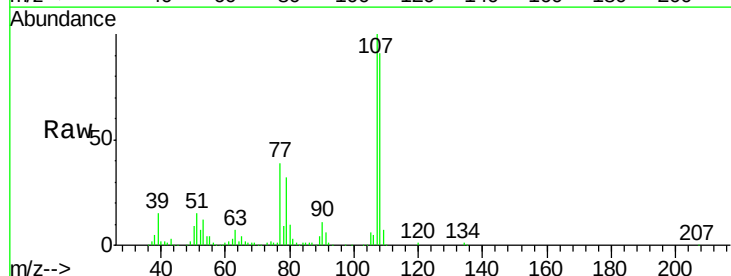
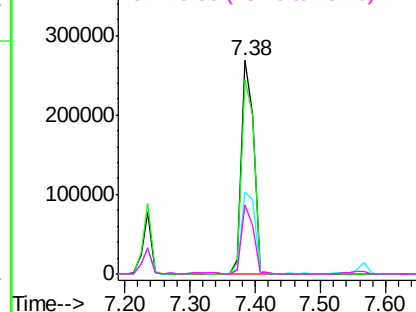
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

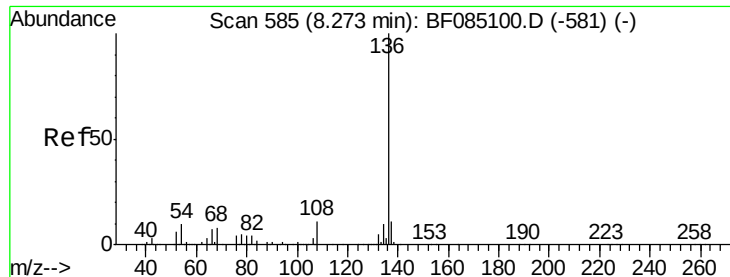


#20
3+4-Methylphenols
Concen: 27.92 ng
RT: 7.38 min Scan# 446
Delta R.T. -0.01 min
Lab File: BF085151.D
Acq: 3 Mar 2016 6:02

Tgt Ion:107 Resp: 339691
Ion Ratio Lower Upper
107 100
108 91.4 67.8 107.8
77 38.6 50.6 90.6#
79 32.4 9.1 49.1

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

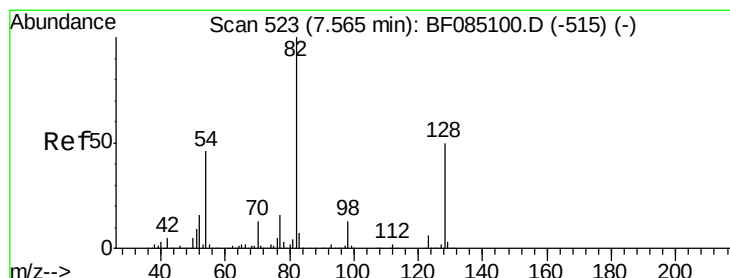
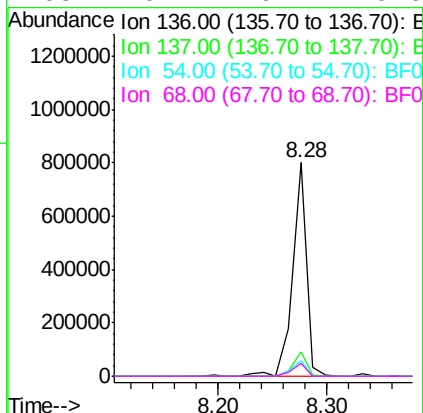
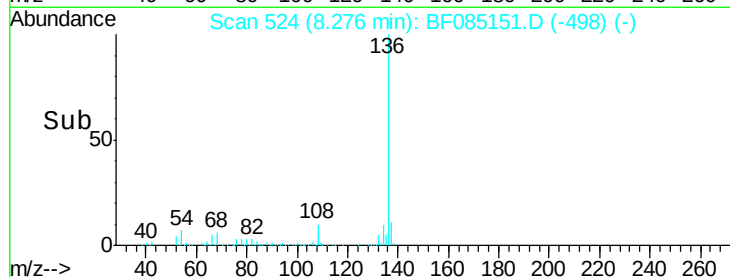
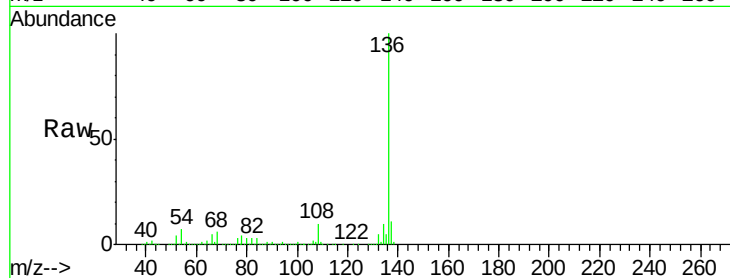




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.28 min Scan# 524
Delta R.T. 0.00 min
Lab File: BF085151.D
Acq: 3 Mar 2016 6:02

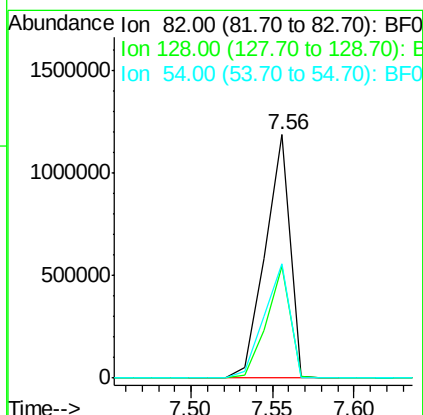
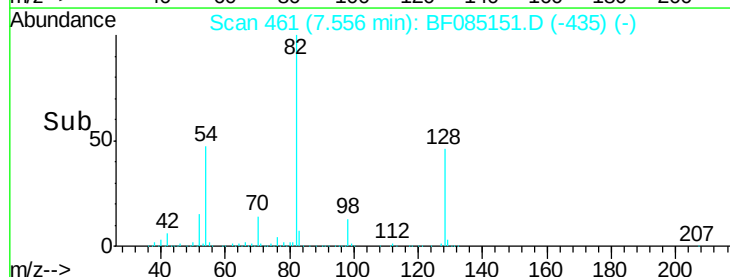
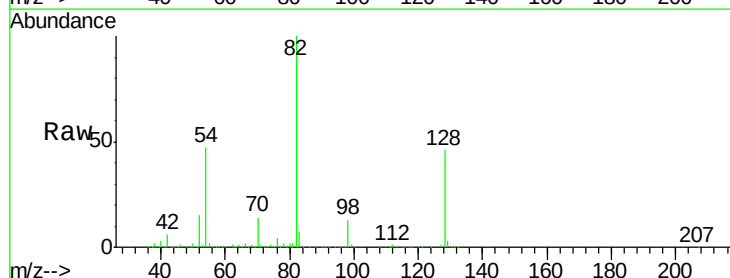
Instrument :
BNA_F
ClientSampleId :
WASTE-2

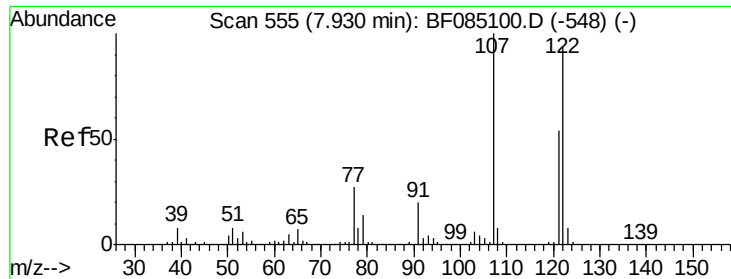
Tgt Ion:	136	Resp:	719815
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	7.3	8.5	12.7#
68	6.1	6.4	9.6#



#23
Nitrobenzene-d5
Concen: 92.83 ng
RT: 7.56 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF085151.D
Acq: 3 Mar 2016 6:02

Tgt Ion:	82	Resp:	1256014
Ion	Ratio	Lower	Upper
82	100		
128	46.1	39.8	59.6
54	47.0	36.6	54.8

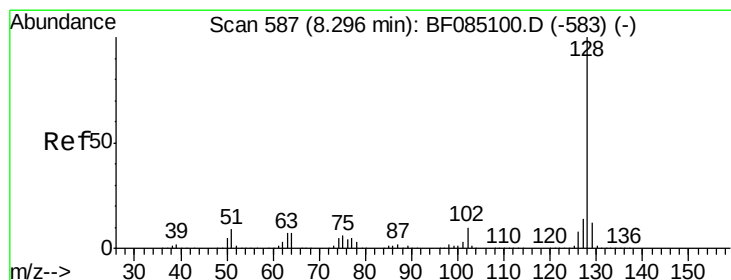
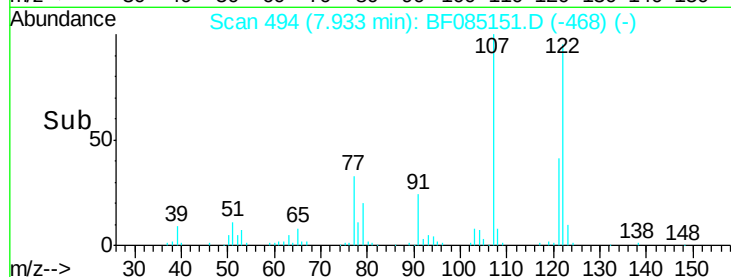
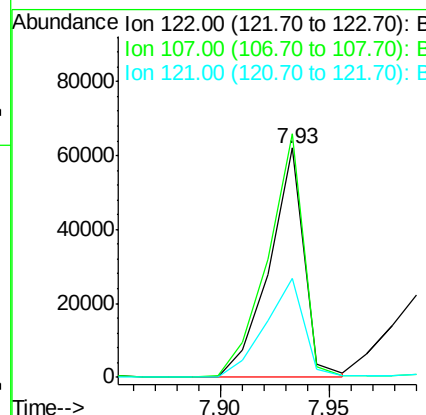
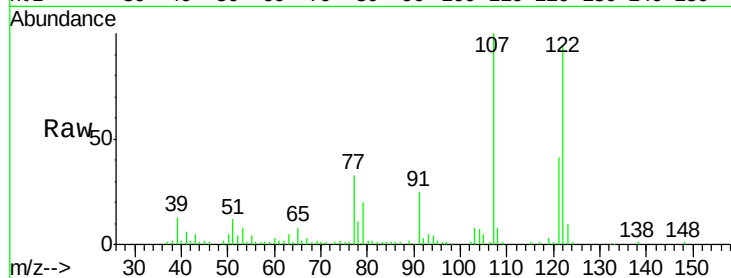




#27
2,4-Dimethylphenol
Concen: 5.75 ng
RT: 7.93 min Scan# 494
Delta R.T. 0.00 min
Lab File: BF085151.D
Acq: 3 Mar 2016 6:02

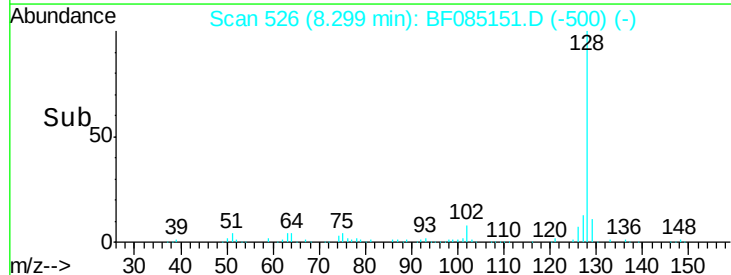
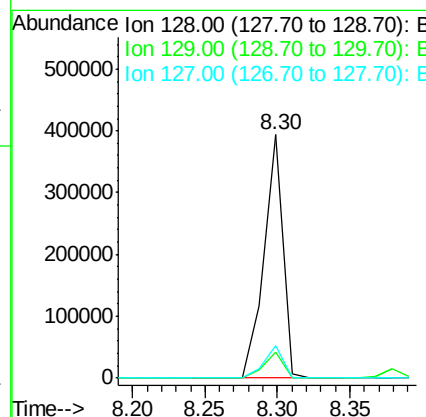
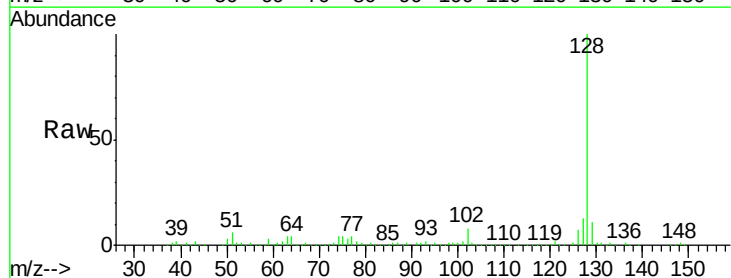
Instrument :
BNA_F
ClientSampleId :
WASTE-2

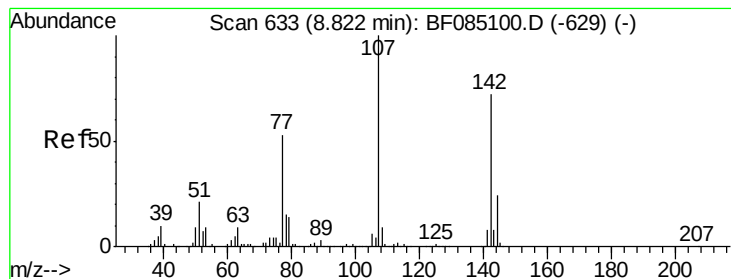
Tgt Ion:122 Resp: 69899
Ion Ratio Lower Upper
122 100
107 106.2 85.0 127.4
121 43.1 45.8 68.8#



#31
Naphthalene
Concen: 9.81 ng
RT: 8.30 min Scan# 526
Delta R.T. 0.00 min
Lab File: BF085151.D
Acq: 3 Mar 2016 6:02

Tgt Ion:128 Resp: 357069
Ion Ratio Lower Upper
128 100
129 10.9 9.7 14.5
127 13.1 11.1 16.7





#36

4-Chloro-3-methylphenol

Concen: 2.38 ng

RT: 8.81 min Scan# 571

Delta R.T. -0.01 min

Lab File: BF085151.D

Acq: 3 Mar 2016 6:02

Instrument :

BNA_F

ClientSampleId :

WASTE-2

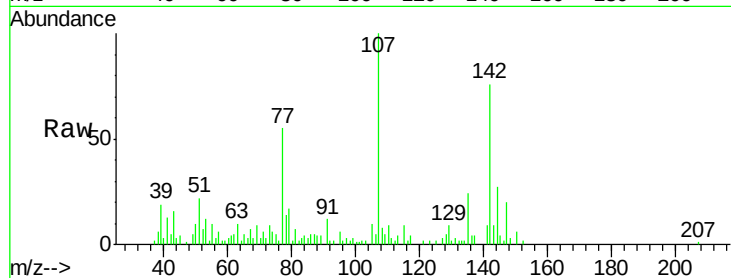
Tgt Ion:107 Resp: 26364

Ion Ratio Lower Upper

107 100

144 27.0 18.9 28.3

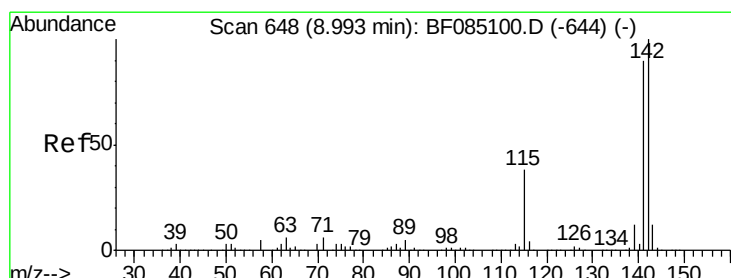
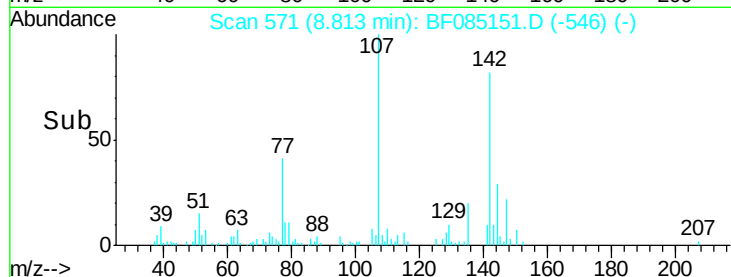
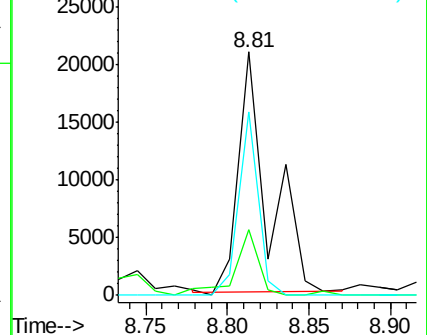
142 75.5 57.9 86.9



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#37

2-Methylnaphthalene

Concen: 4.18 ng

RT: 8.98 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF085151.D

Acq: 3 Mar 2016 6:02

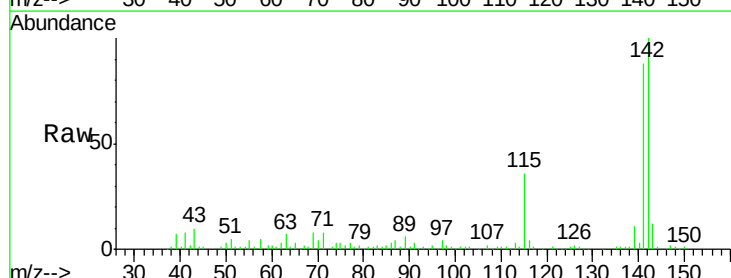
Tgt Ion:142 Resp: 92968

Ion Ratio Lower Upper

142 100

141 88.4 71.7 107.5

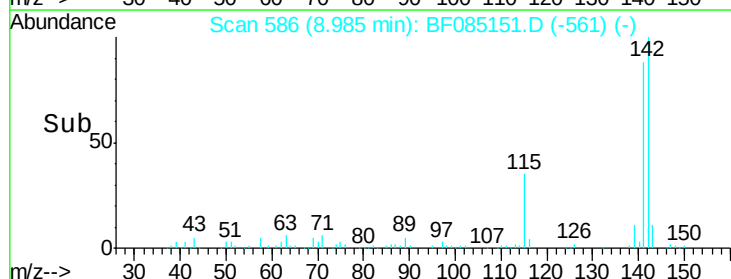
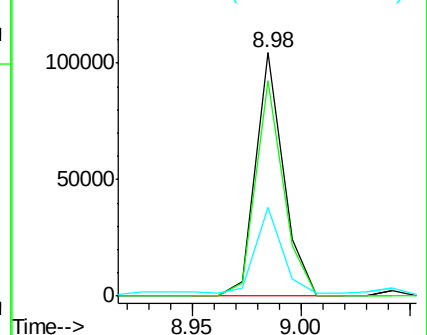
115 36.4 30.1 45.1

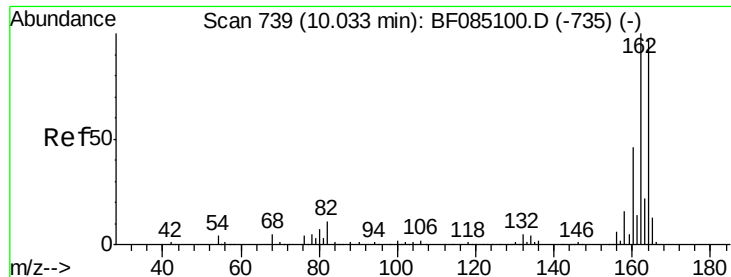


Abundance Ion 142.00 (141.70 to 142.70): E

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: 10.02 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF085151.D

Acq: 3 Mar 2016 6:02

Instrument :

BNA_F

ClientSampleId :

WASTE-2

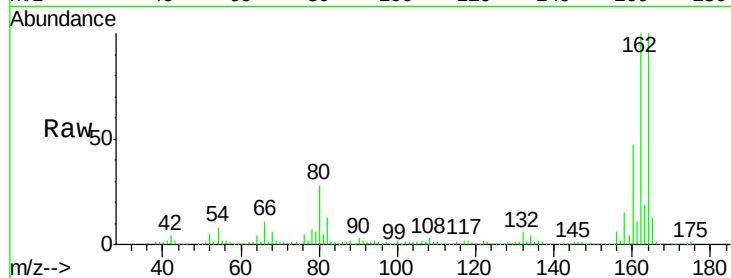
Tgt Ion:164 Resp: 302070

Ion Ratio Lower Upper

164 100

162 99.9 82.6 123.8

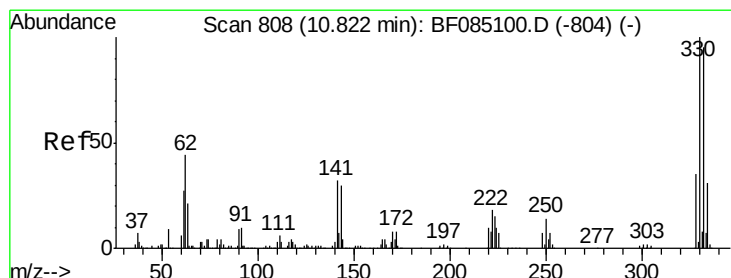
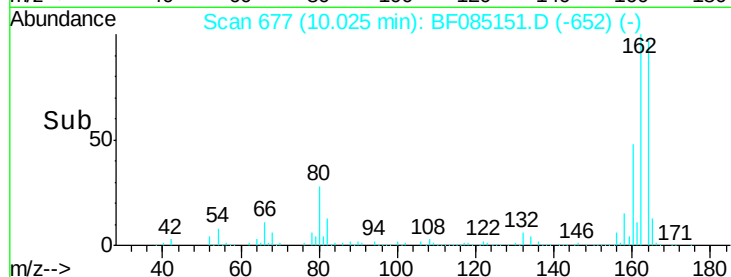
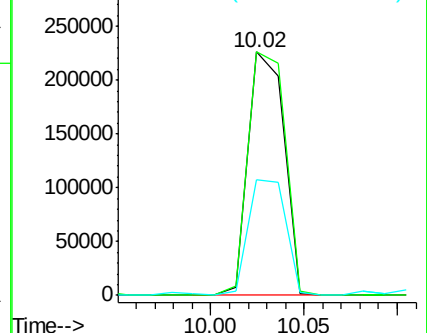
160 47.5 38.2 57.2



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: 170.10 ng

RT: 10.82 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF085151.D

Acq: 3 Mar 2016 6:02

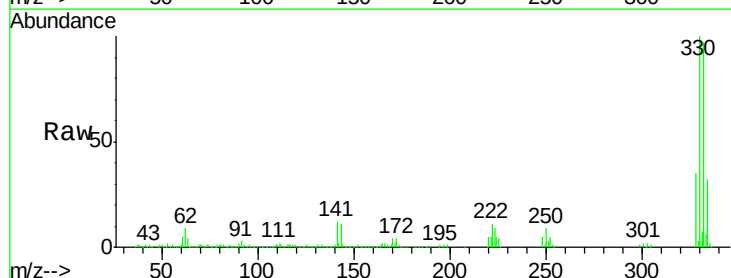
Tgt Ion:330 Resp: 516350

Ion Ratio Lower Upper

330 100

332 96.6 75.9 113.9

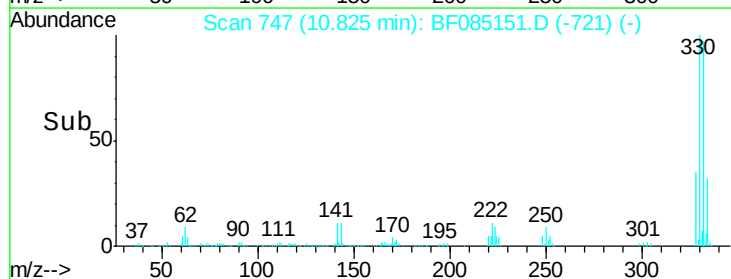
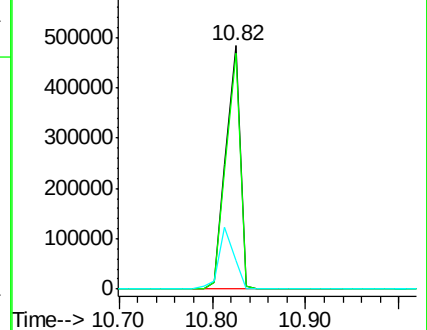
141 26.4 28.9 43.3#

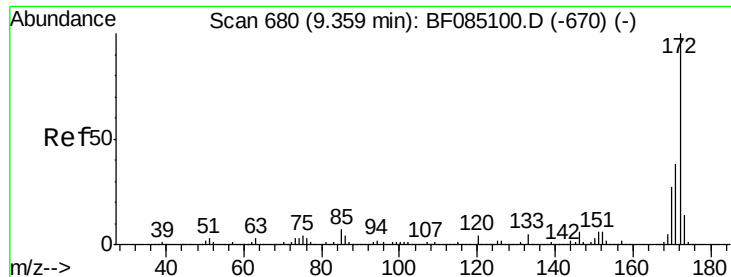


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

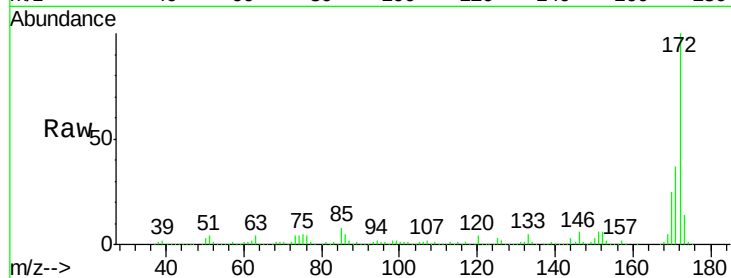




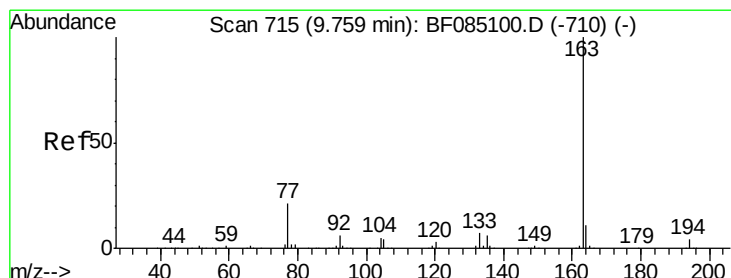
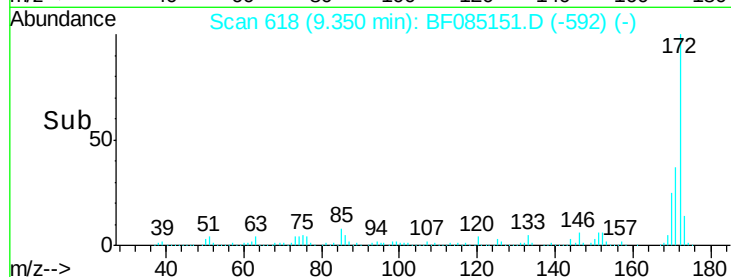
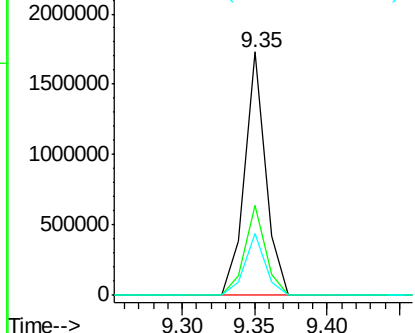
#44
 2-Fluorobiphenyl
 Concen: 85.12 ng
 RT: 9.35 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF085151.D
 Acq: 3 Mar 2016 6:02

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-2

Tgt Ion:172 Resp: 1745917
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.5 45.7
 170 25.4 21.2 31.8

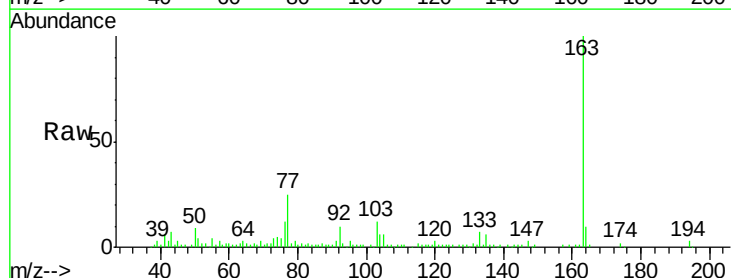


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

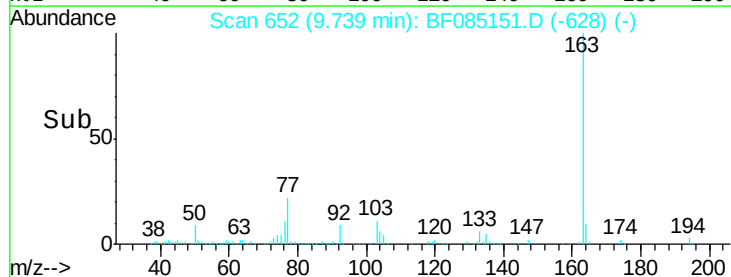
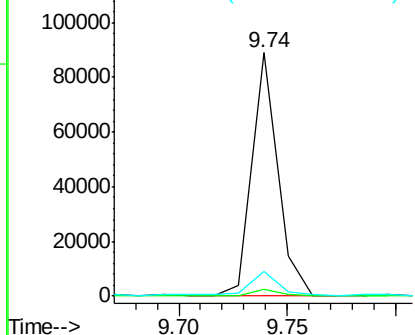


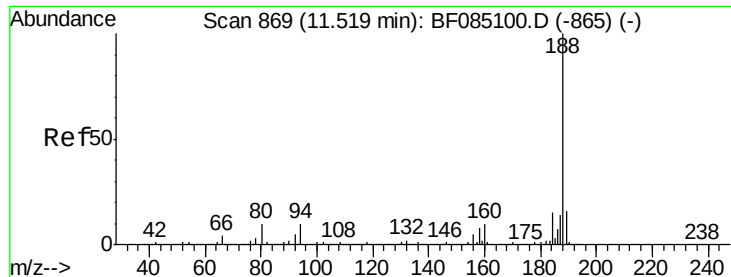
#49
 Dimethylphthalate
 Concen: 3.31 ng
 RT: 9.74 min Scan# 652
 Delta R.T. -0.02 min
 Lab File: BF085151.D
 Acq: 3 Mar 2016 6:02

Tgt Ion:163 Resp: 74130
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.9 4.3
 164 10.2 8.6 12.8



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

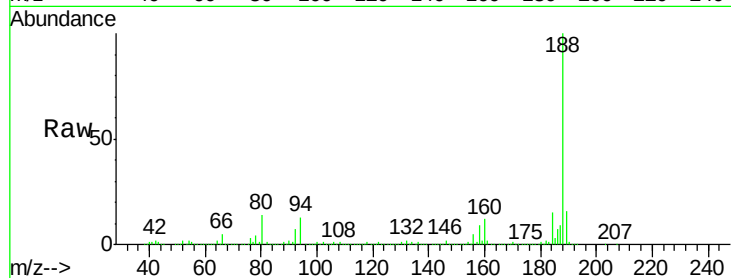




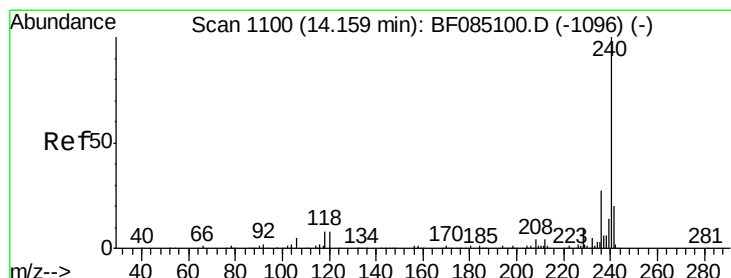
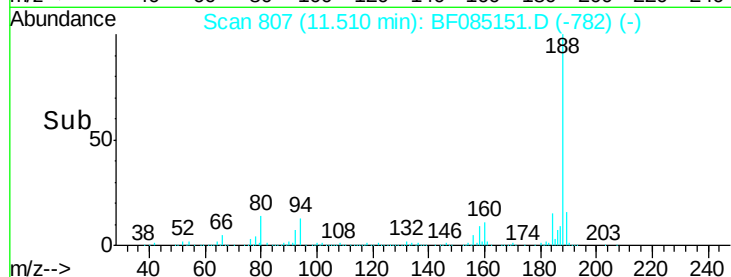
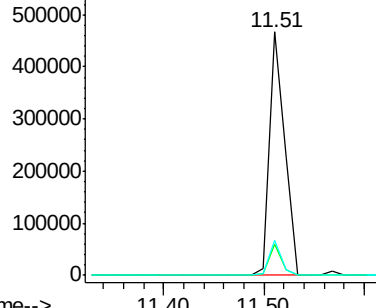
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.51 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF085151.D
Acq: 3 Mar 2016 6:02

Instrument :
BNA_F
ClientSampleId :
WASTE-2

Tgt Ion:188 Resp: 489032
Ion Ratio Lower Upper
188 100
94 12.9 7.8 11.6#
80 14.5 8.2 12.4#

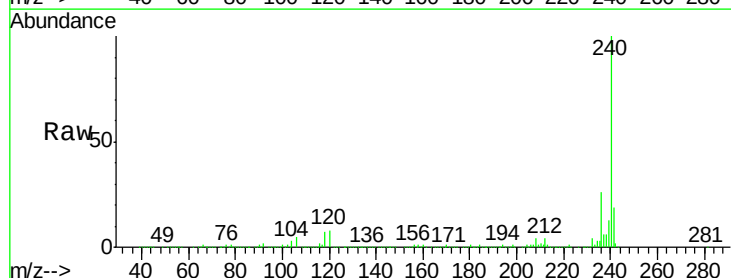


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

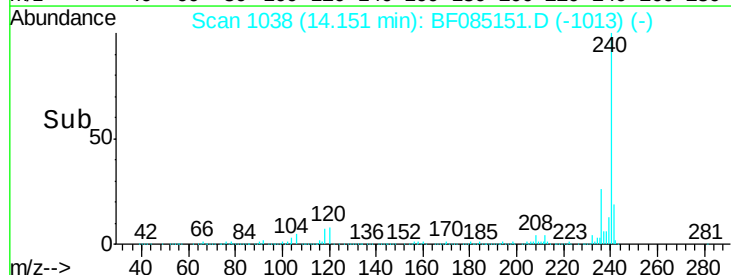
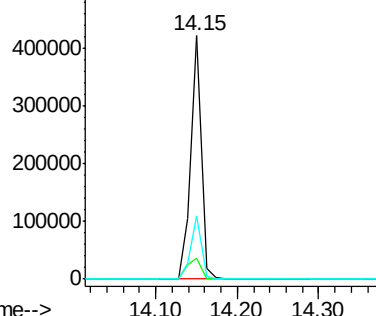


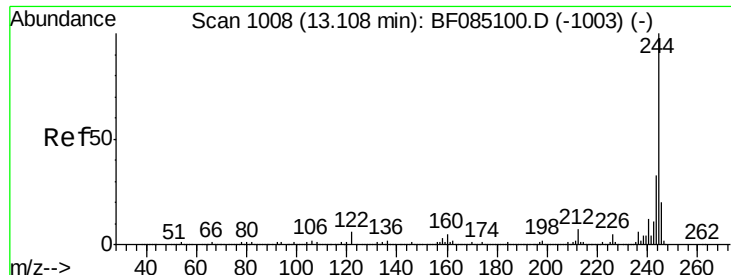
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.15 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF085151.D
Acq: 3 Mar 2016 6:02

Tgt Ion:240 Resp: 381729
Ion Ratio Lower Upper
240 100
120 8.5 6.7 10.1
236 25.9 21.6 32.4



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





#78

Terphenyl-d14

Concen: 88.41 ng

RT: 13.10 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF085151.D

Acq: 3 Mar 2016 6:02

Instrument :

BNA_F

ClientSampleId :

WASTE-2

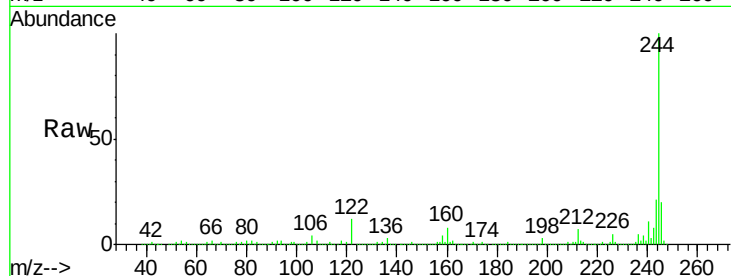
Tgt Ion:244 Resp: 1438724

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

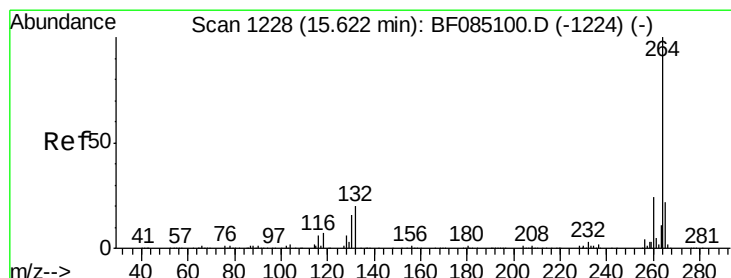
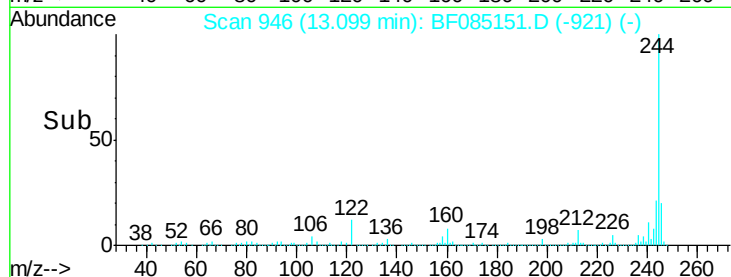
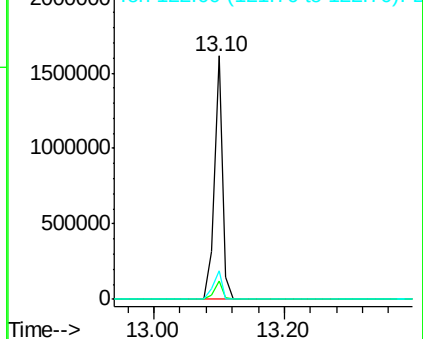
122 11.8 5.1 7.7#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.63 min Scan# 1167

Delta R.T. 0.00 min

Lab File: BF085151.D

Acq: 3 Mar 2016 6:02

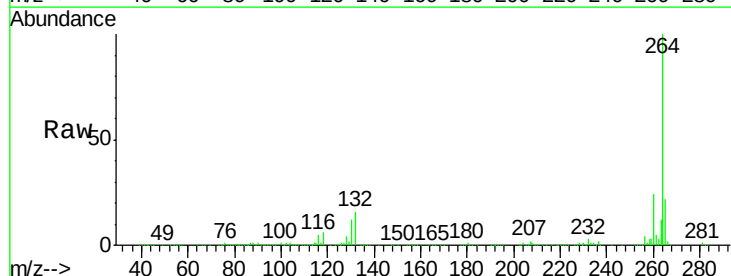
Tgt Ion:264 Resp: 410038

Ion Ratio Lower Upper

264 100

260 24.3 19.6 29.4

265 22.0 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

