

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031616\
 Data File : BF085486.D
 Acq On : 17 Mar 2016 2:56
 Operator : UM/SJ
 Sample : H1792-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Quant Time: Mar 17 03:06:48 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

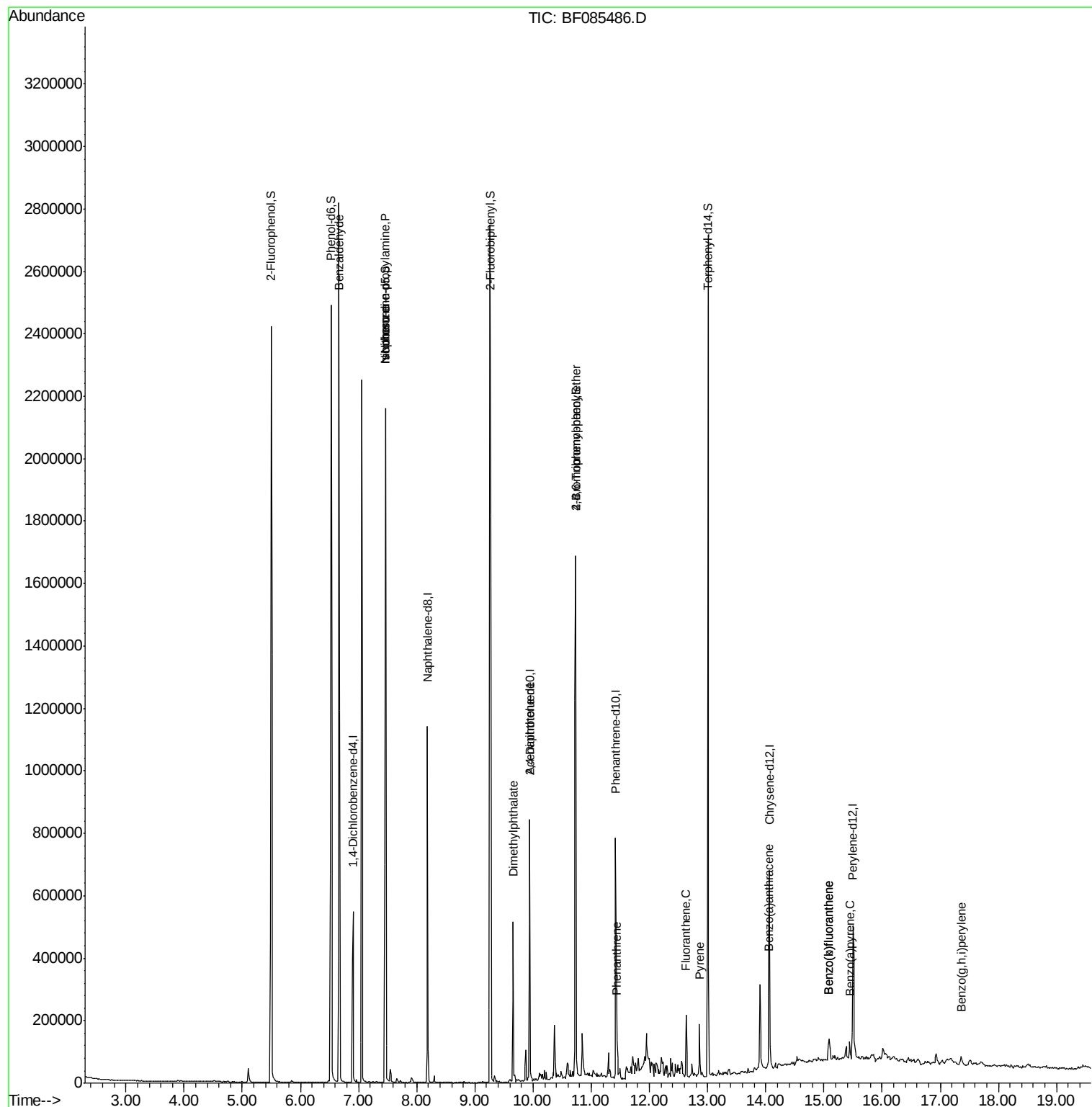
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	111539	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	469390	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	200850	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	340749	20.00	ng	-0.02
75) Chrysene-d12	14.06	240	203354	20.00	ng	-0.02
86) Perylene-d12	15.50	264	214031	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	941047	145.03	ng	-0.01
7) Phenol-d6	6.53	99	1140901	135.55	ng	-0.02
23) Nitrobenzene-d5	7.46	82	739830	93.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	276174	149.29	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1153796	99.66	ng	-0.02
78) Terphenyl-d14	13.01	244	776010	86.33	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.66	77	19854	4.22	ng	82
19) n-Nitroso-di-n-propylamine	7.46	70	99351	19.71	ng	# 77
25) Isophorone	7.46	82	567347	35.05	ng	# 67
49) Dimethylphthalate	9.66	163	248478	16.96	ng	99
56) 2,4-Dinitrotoluene	9.94	165	25421	6.26	ng	# 21
66) 4-Bromophenyl-phenylether	10.73	248	18434	5.35	ng	# 1
70) Phenanthrene	11.44	178	51055	2.88	ng	98
74) Fluoranthene	12.63	202	82062	4.92	ng	96
77) Pyrene	12.86	202	68513	4.49	ng	97
80) Benzo(a)anthracene	14.05	228	29818	2.56	ng	99
87) Benzo(b)fluoranthene	15.09	252	47405	3.39	ng	97
88) Benzo(k)fluoranthene	15.09	252	47405	4.33	ng	96
89) Benzo(a)pyrene	15.44	252	25579	2.12	ng	# 93
91) Benzo(g,h,i)perylene	17.36	276	25212	2.09	ng	98

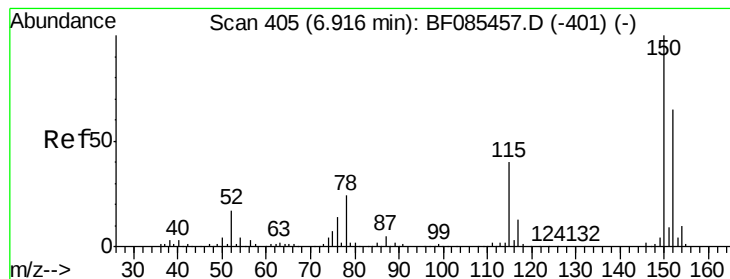
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 404

Delta R.T. -0.01 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

Instrument :

BNA_F

ClientSampled :

SP-2

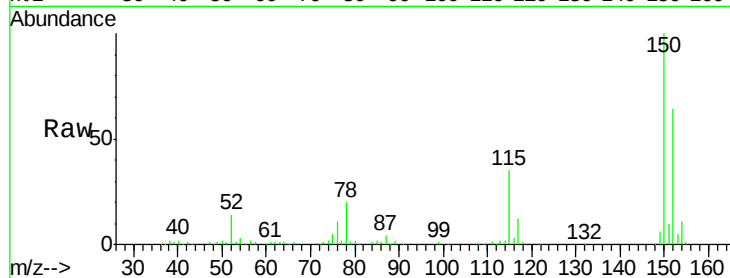
Tgt Ion:152 Resp: 111539

Ion Ratio Lower Upper

152 100

150 155.5 124.6 186.8

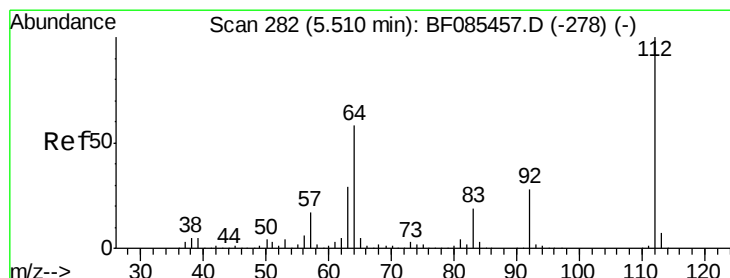
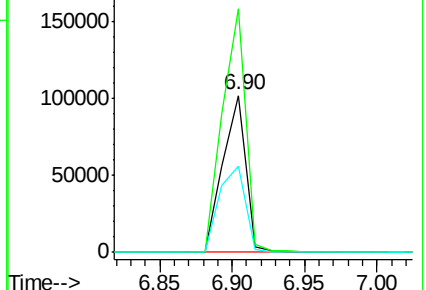
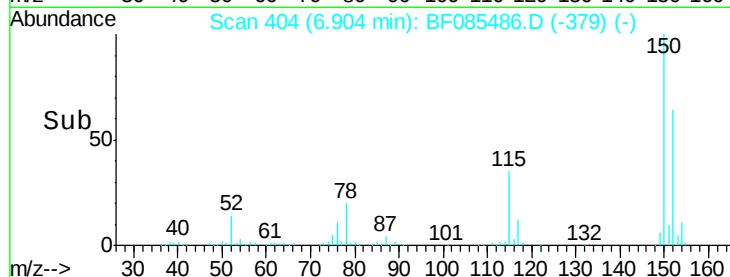
115 55.2 46.6 70.0



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: 145.03 ng

RT: 5.50 min Scan# 281

Delta R.T. -0.01 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

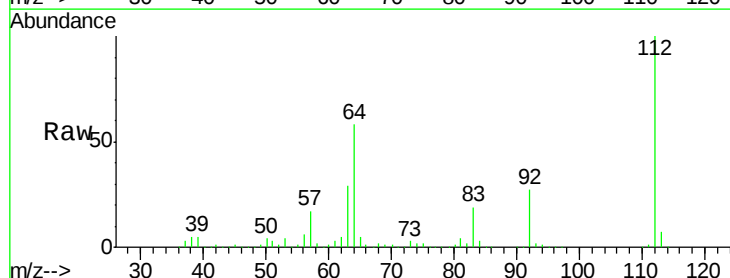
Tgt Ion:112 Resp: 941047

Ion Ratio Lower Upper

112 100

64 57.9 49.0 73.4

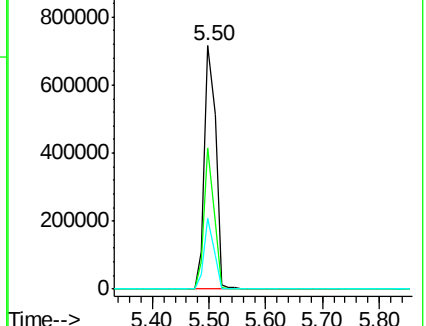
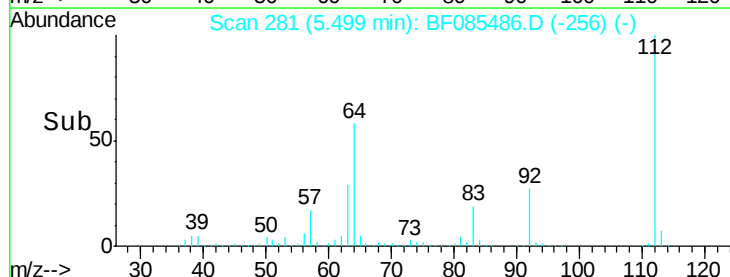
63 28.9 24.8 37.2

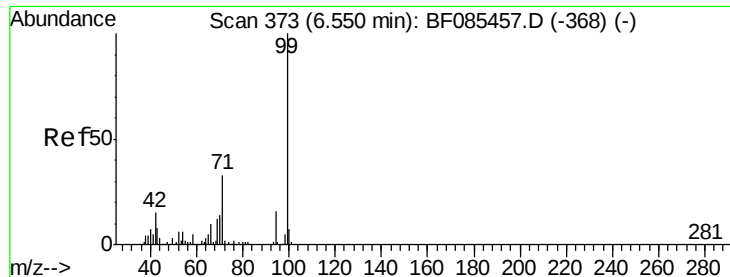


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 135.55 ng

RT: 6.53 min Scan# 371

Delta R.T. -0.02 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

Instrument :

BNA_F

ClientSampleId :

SP-2

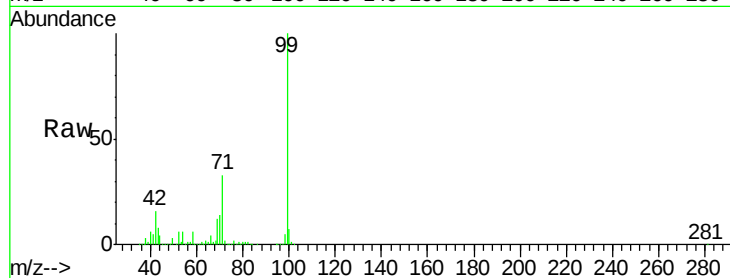
Tgt Ion: 99 Resp: 1140901

Ion Ratio Lower Upper

99 100

42 15.7 13.6 20.4

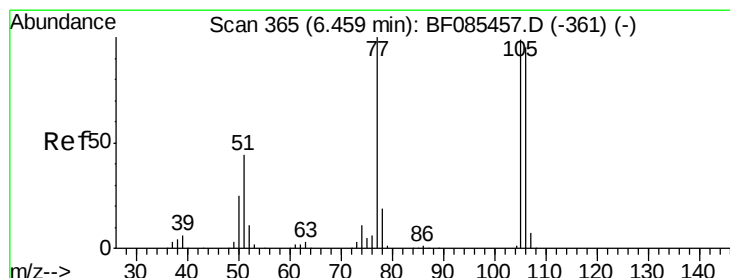
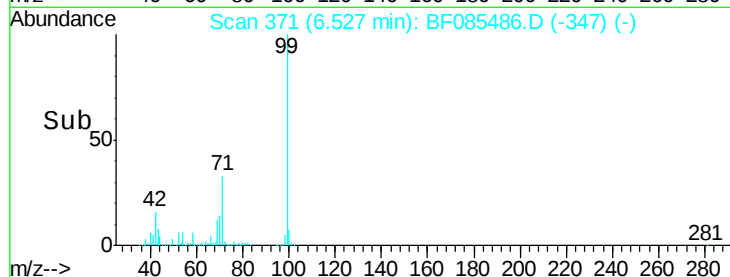
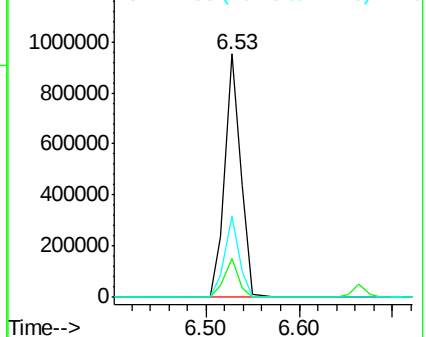
71 33.2 26.7 40.1



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: 4.22 ng

RT: 6.66 min Scan# 383

Delta R.T. 0.21 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

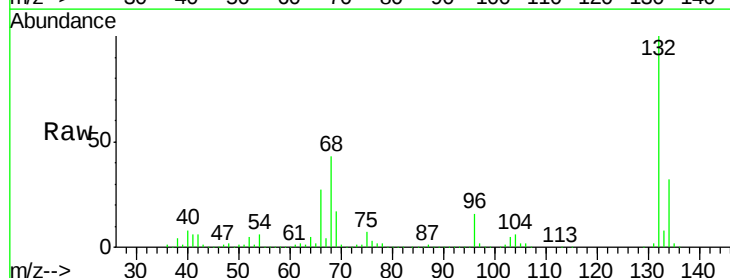
Tgt Ion: 77 Resp: 19854

Ion Ratio Lower Upper

77 100

105 81.6 78.2 118.2

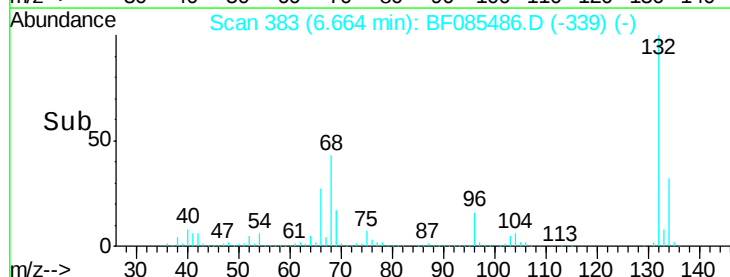
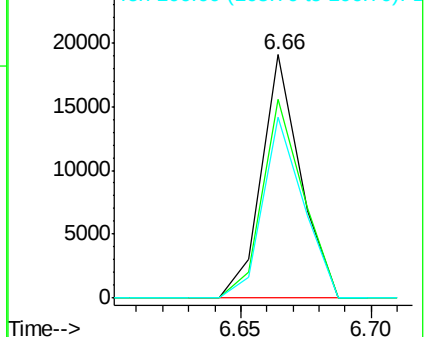
106 74.2 72.9 112.9

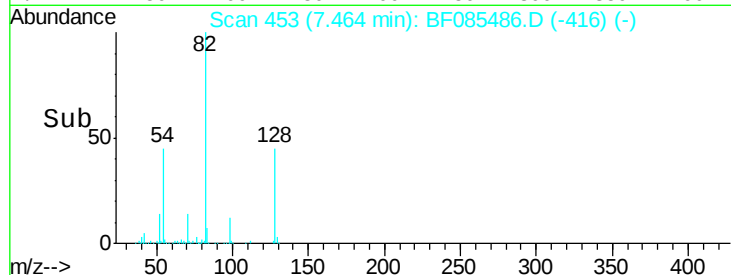
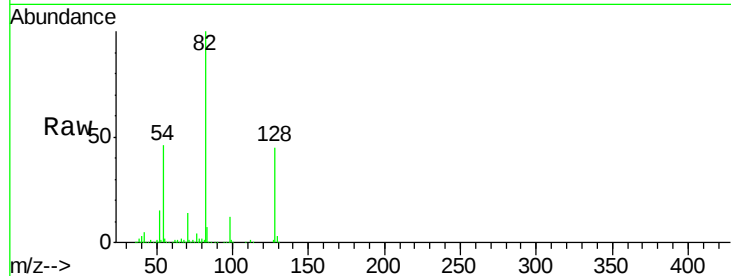
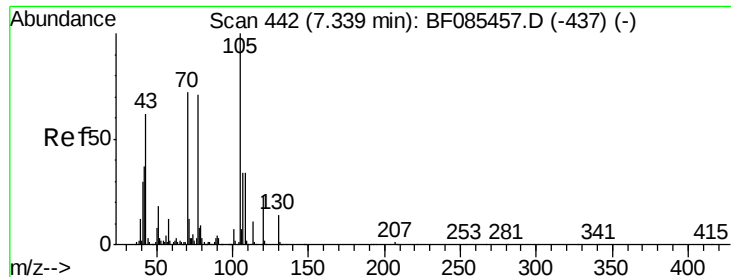


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

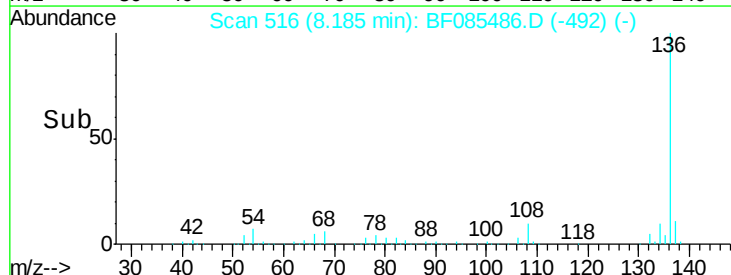
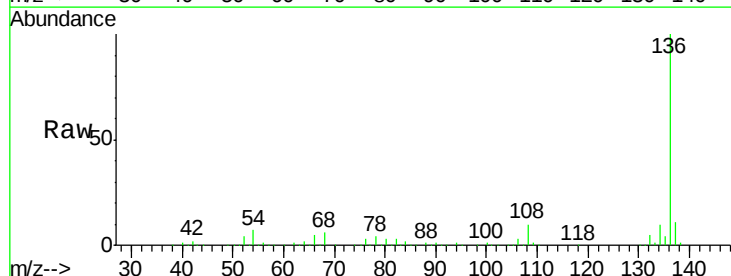
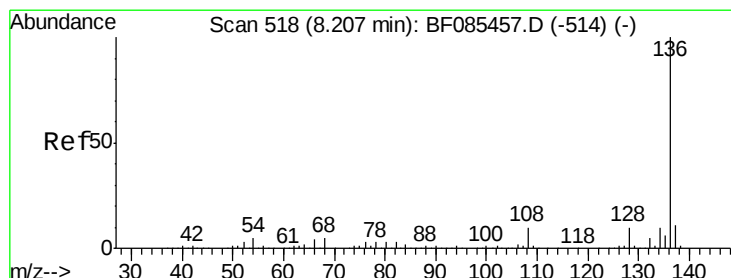
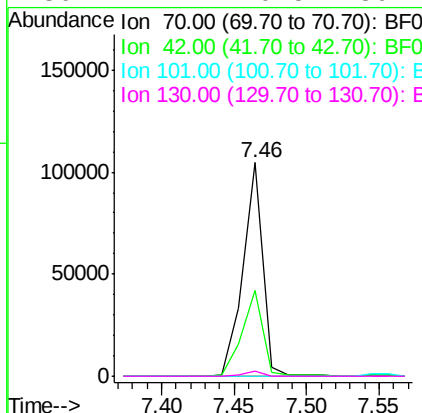




#19
n-Nitroso-di-n-propylamine
Concen: 19.71 ng
RT: 7.46 min Scan# 453
Delta R.T. 0.13 min
Lab File: BF085486.D
Acq: 17 Mar 2016 2:56

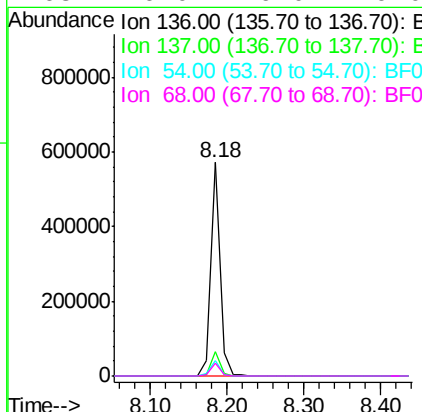
Instrument :
BNA_F
ClientSampleId :
SP-2

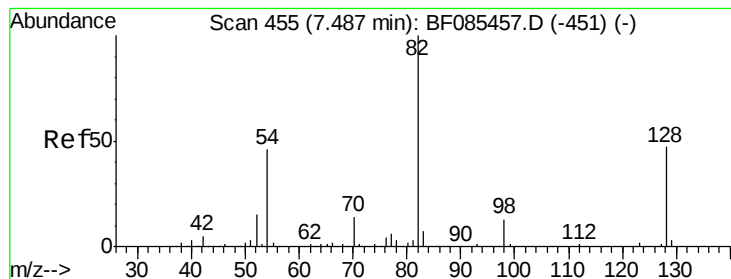
Tgt Ion: 70 Resp: 99351
Ion Ratio Lower Upper
70 100
42 40.4 37.7 56.5
101 0.0 8.2 12.4#
130 2.2 20.5 30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 516
Delta R.T. -0.02 min
Lab File: BF085486.D
Acq: 17 Mar 2016 2:56

Tgt Ion: 136 Resp: 469390
Ion Ratio Lower Upper
136 100
137 11.3 9.3 13.9
54 7.1 7.4 11.2#
68 6.0 6.0 9.0#





#23

Nitrobenzene-d5

Concen: 93.19 ng

RT: 7.46 min Scan# 453

Delta R.T. -0.02 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

Instrument :

BNA_F

ClientSampleId :

SP-2

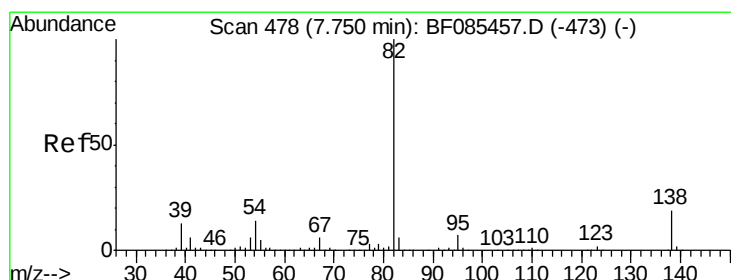
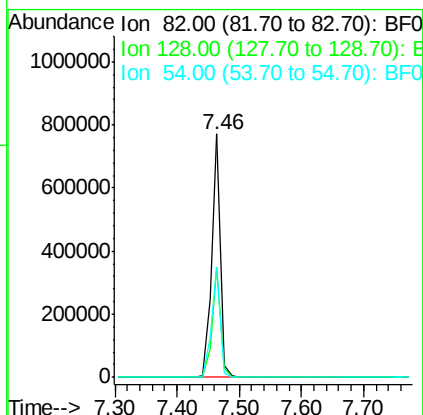
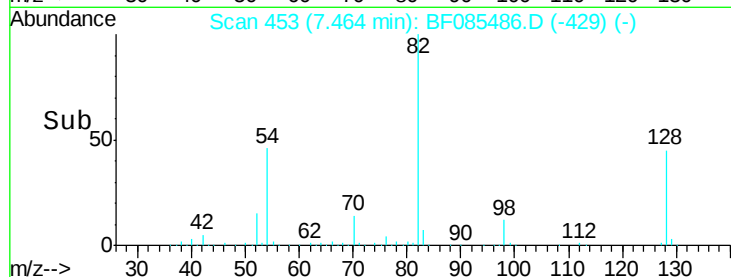
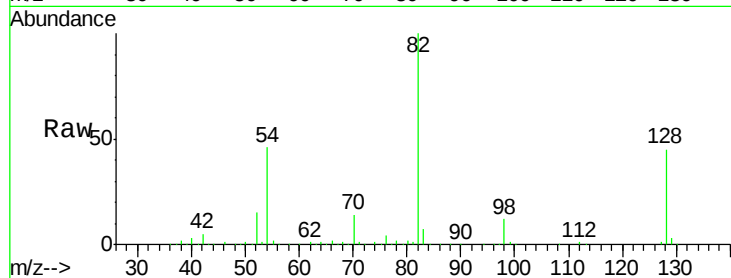
Tgt Ion: 82 Resp: 739830

Ion Ratio Lower Upper

82 100

128 45.0 34.5 51.7

54 45.6 39.3 58.9



#25

Isophorone

Concen: 35.05 ng

RT: 7.46 min Scan# 453

Delta R.T. -0.29 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

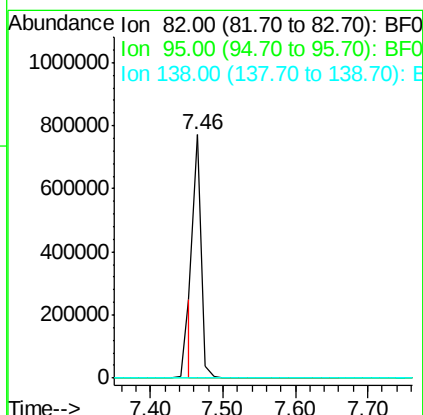
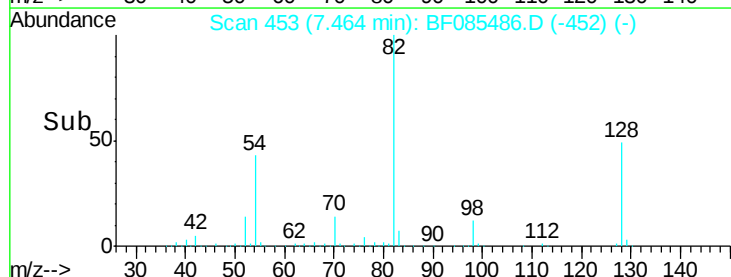
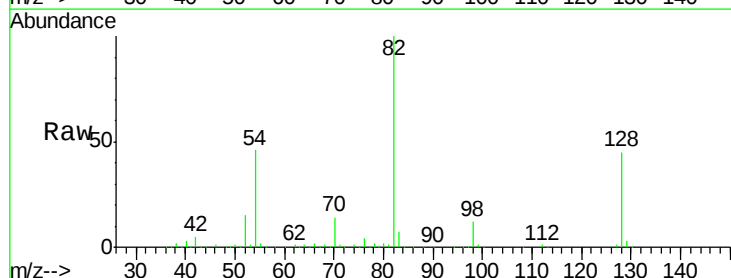
Tgt Ion: 82 Resp: 567347

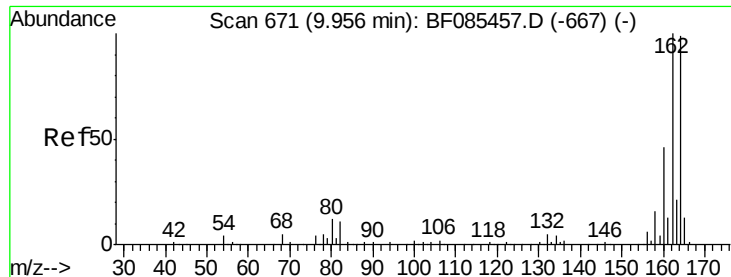
Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 13.3 19.9#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

Instrument :

BNA_F

ClientSampleId :

SP-2

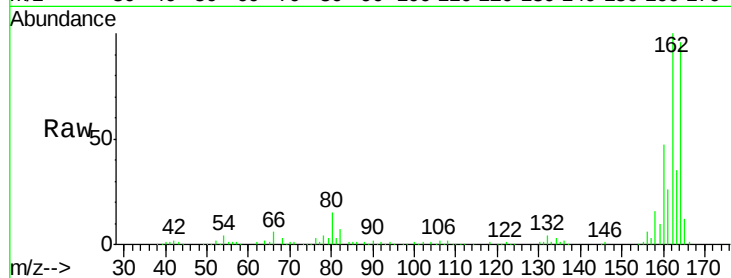
Tgt Ion:164 Resp: 200850

Ion Ratio Lower Upper

164 100

162 103.7 83.3 124.9

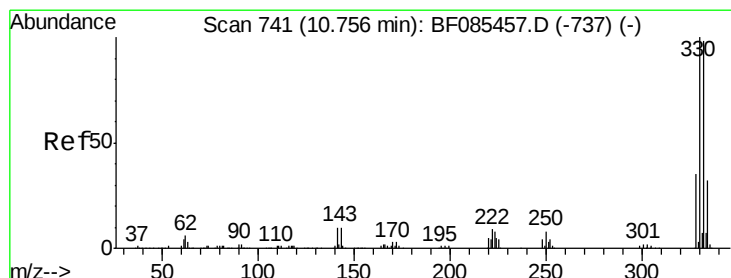
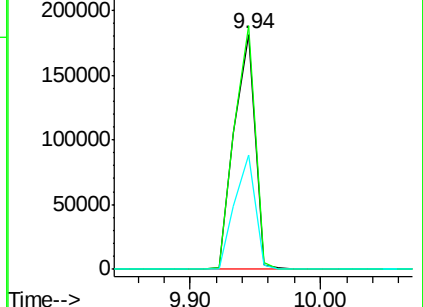
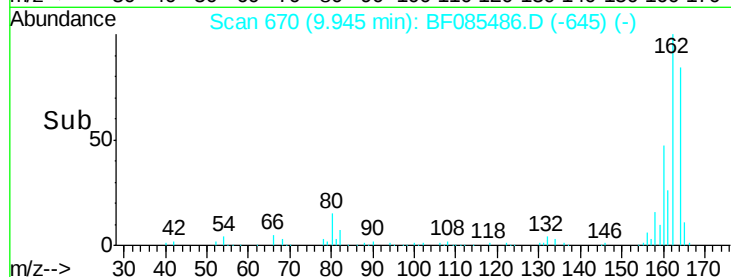
160 48.7 37.9 56.9



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: 149.29 ng

RT: 10.73 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

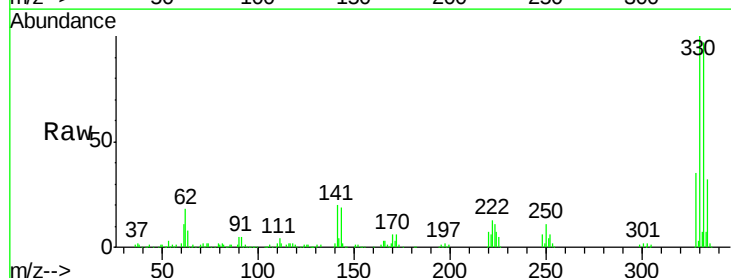
Tgt Ion:330 Resp: 276174

Ion Ratio Lower Upper

330 100

332 97.0 77.1 115.7

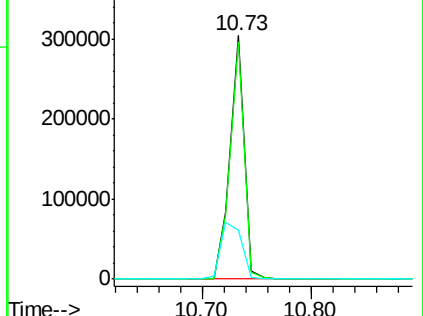
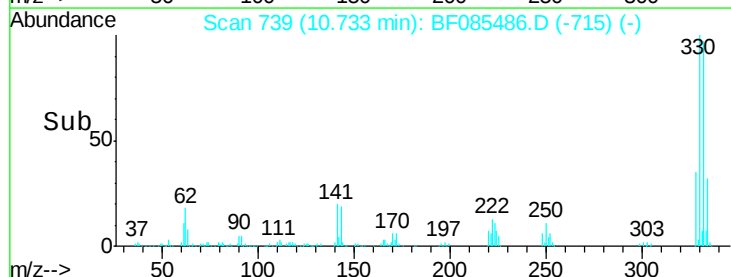
141 34.7 35.0 52.6#

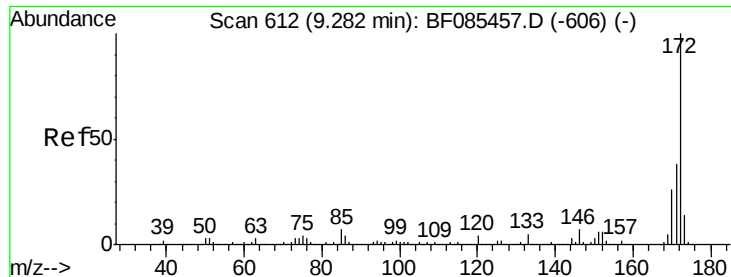


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

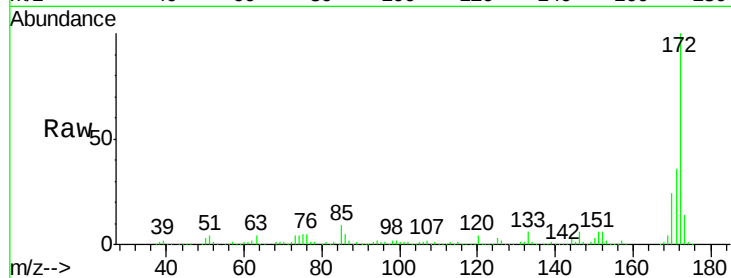




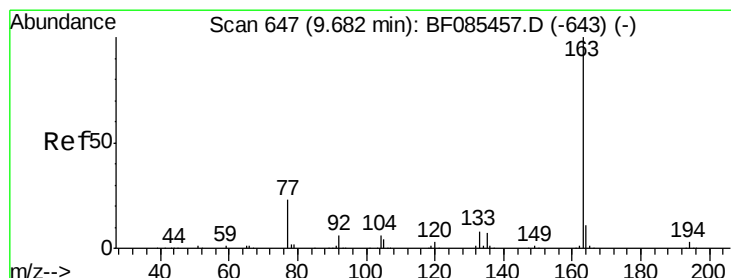
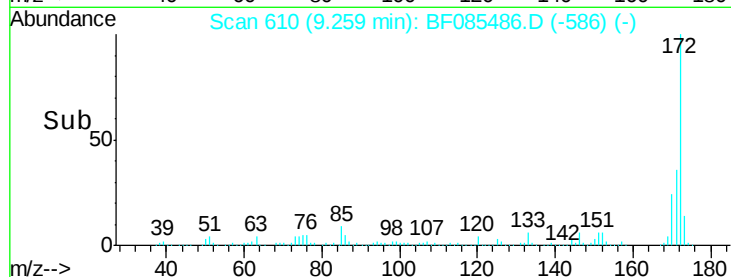
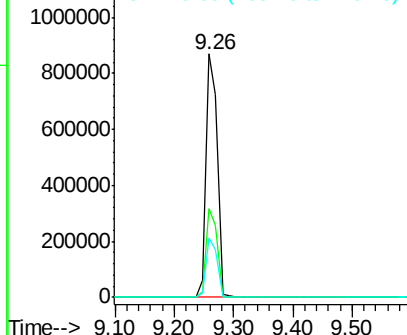
#44
 2-Fluorobiphenyl
 Concen: 99.66 ng
 RT: 9.26 min Scan# 610
 Delta R.T. -0.02 min
 Lab File: BF085486.D
 Acq: 17 Mar 2016 2:56

Instrument :
 BNA_F
 ClientSampled :
 SP-2

Tgt Ion:172 Resp: 1153796
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.3 43.9
 170 24.2 20.0 30.0

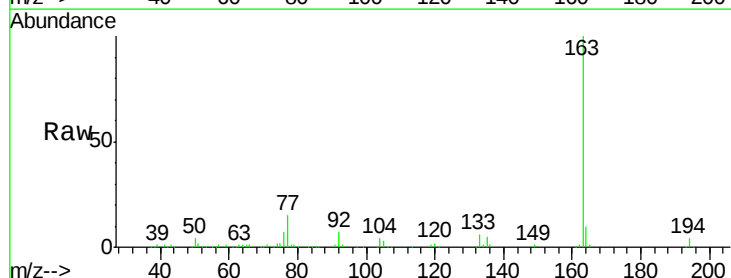


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

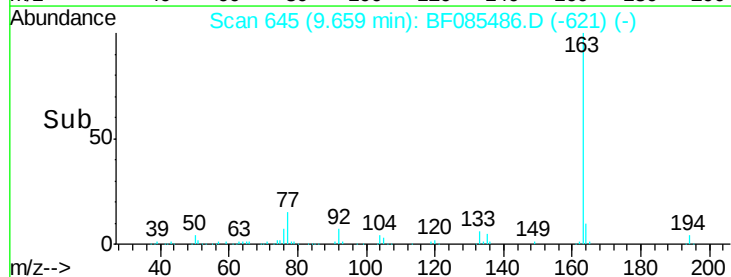
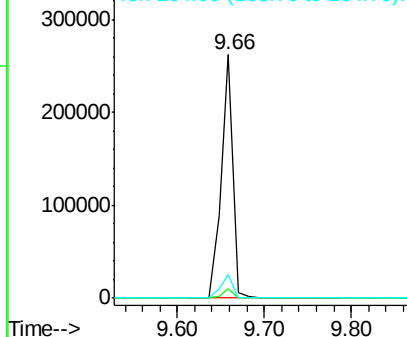


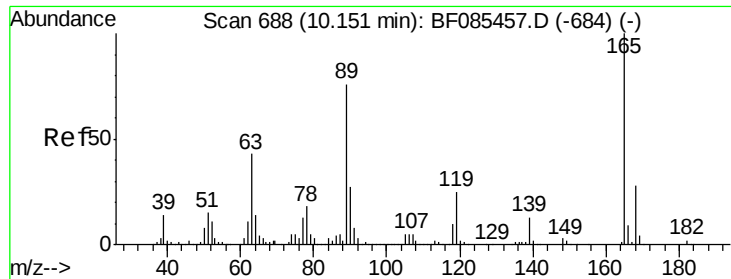
#49
 Dimethylphthalate
 Concen: 16.96 ng
 RT: 9.66 min Scan# 645
 Delta R.T. -0.02 min
 Lab File: BF085486.D
 Acq: 17 Mar 2016 2:56

Tgt Ion:163 Resp: 248478
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.1 4.7
 164 9.7 8.2 12.4



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

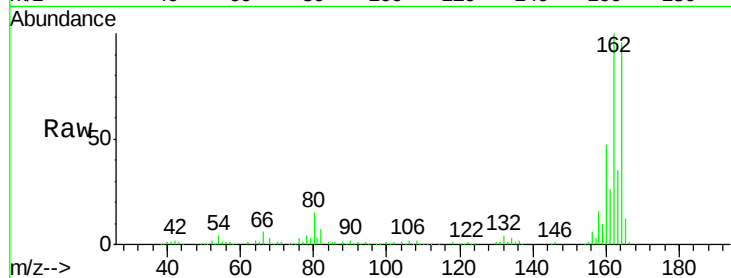




#56
 2,4-Dinitrotoluene
 Concen: 6.26 ng
 RT: 9.94 min Scan# 670
 Delta R.T. -0.21 min
 Lab File: BF085486.D
 Acq: 17 Mar 2016 2:56

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tgt Ion:	165	Resp:	25421
Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.4	53.0#
89	2.1	61.9	92.9#
182	0.0	1.9	2.9#

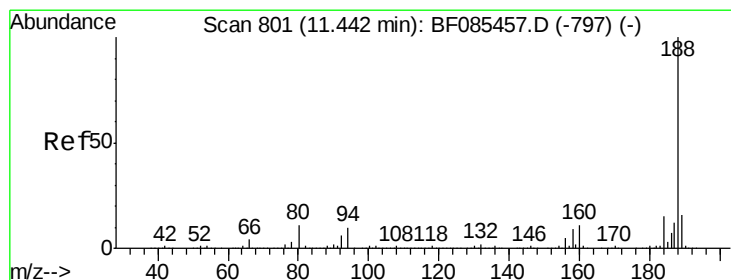
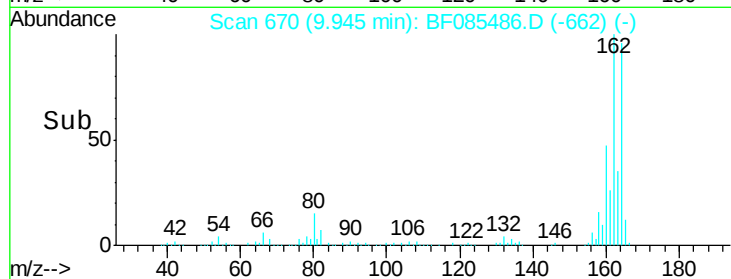
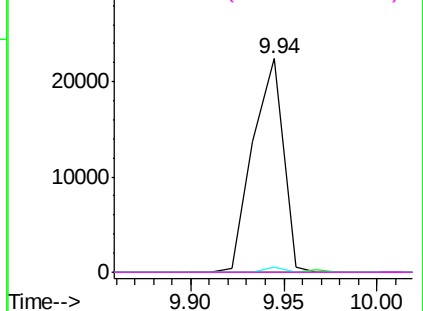


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

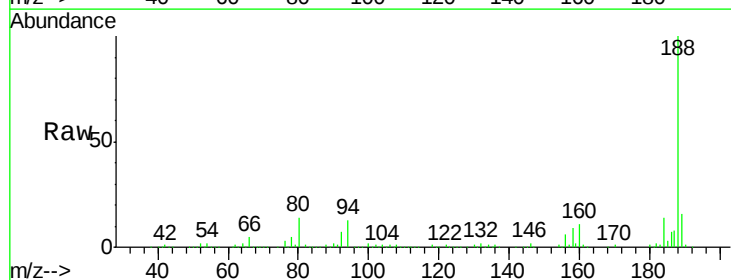
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: BF085486.D
 Acq: 17 Mar 2016 2:56

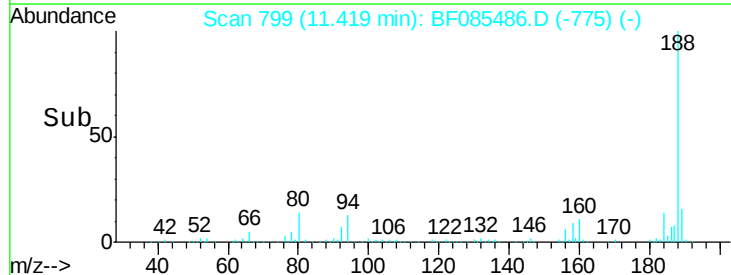
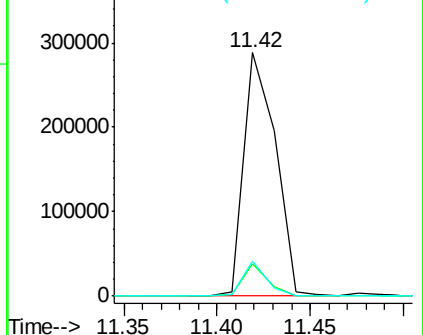
Tgt Ion:	188	Resp:	340749
Ion	Ratio	Lower	Upper
188	100		
94	13.4	7.0	10.6#
80	14.3	7.4	11.0#

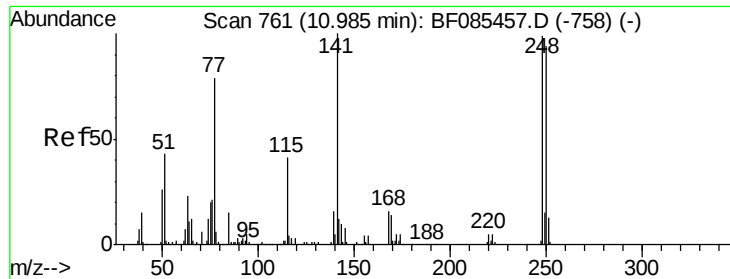


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

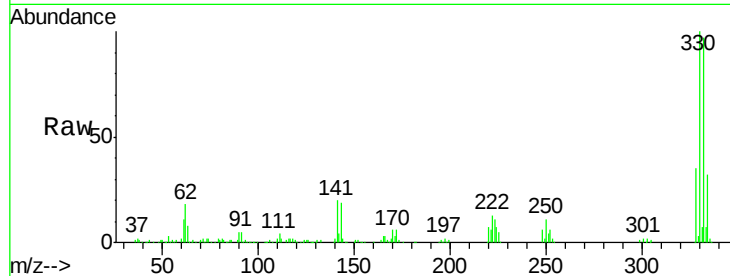




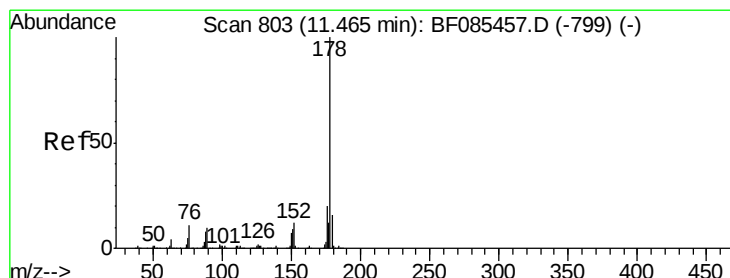
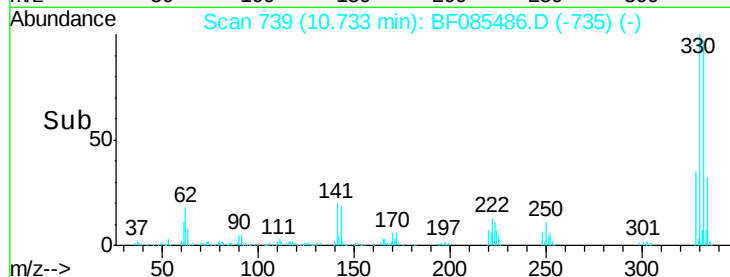
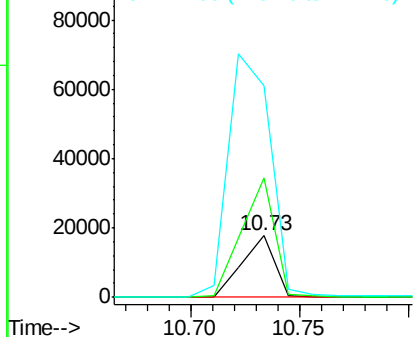
#66
 4-Bromophenyl-phenylether
 Concen: 5.35 ng
 RT: 10.73 min Scan# 739
 Delta R.T. -0.25 min
 Lab File: BF085486.D
 Acq: 17 Mar 2016 2:56

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tgt Ion:248 Resp: 18434
 Ion Ratio Lower Upper
 248 100
 250 195.2 77.1 115.7#
 141 344.4 66.2 99.2#

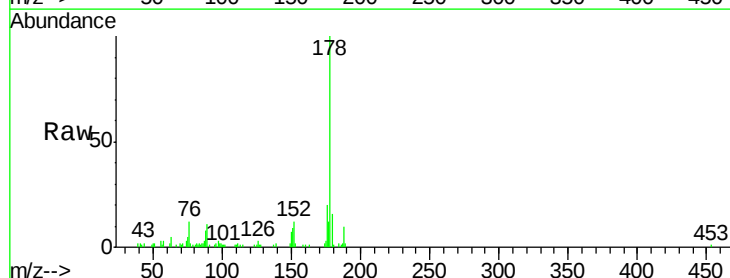


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

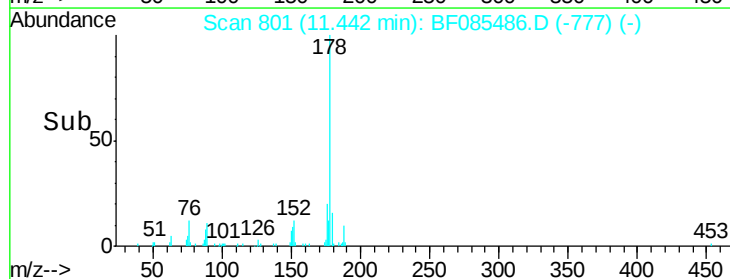
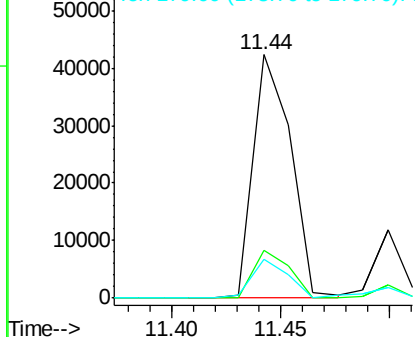


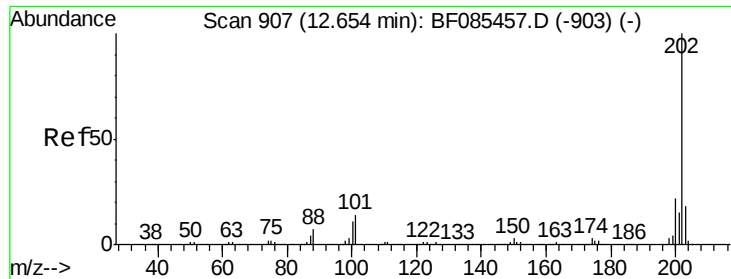
#70
 Phenanthrene
 Concen: 2.88 ng
 RT: 11.44 min Scan# 801
 Delta R.T. -0.02 min
 Lab File: BF085486.D
 Acq: 17 Mar 2016 2:56

Tgt Ion:178 Resp: 51055
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.8 25.2
 179 16.1 13.1 19.7



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

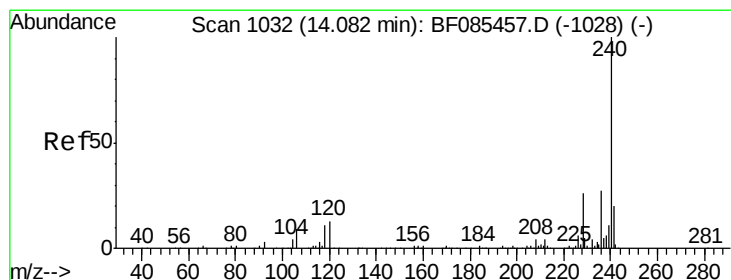
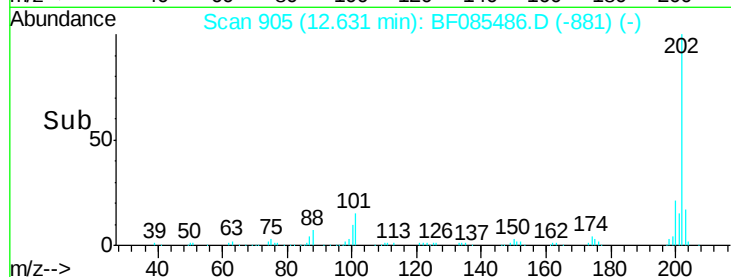
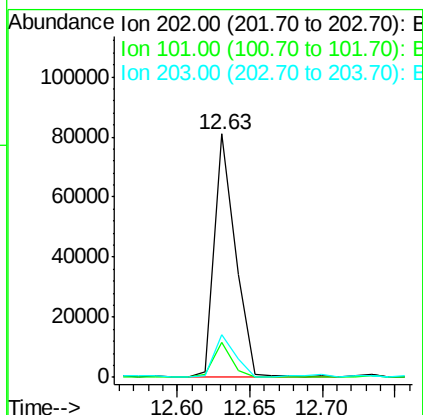
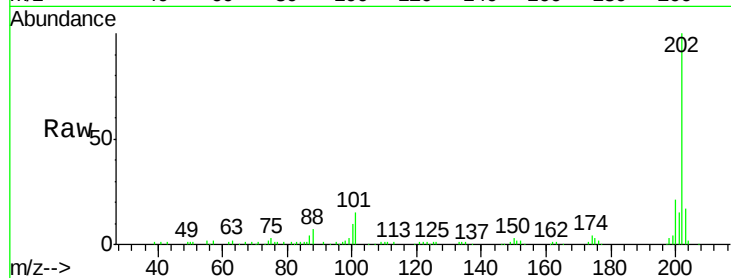




#74
 Fluoranthene
 Concen: 4.92 ng
 RT: 12.63 min Scan# 905
 Delta R.T. -0.02 min
 Lab File: BF085486.D
 Acq: 17 Mar 2016 2:56

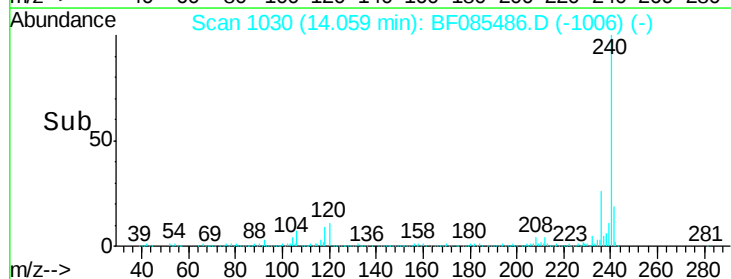
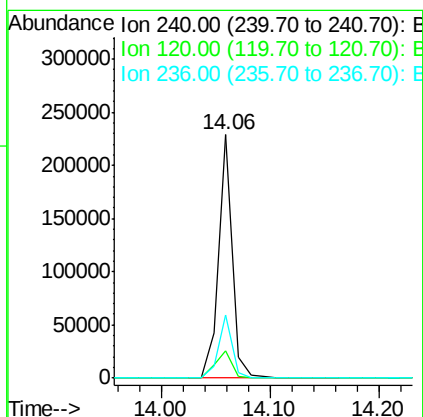
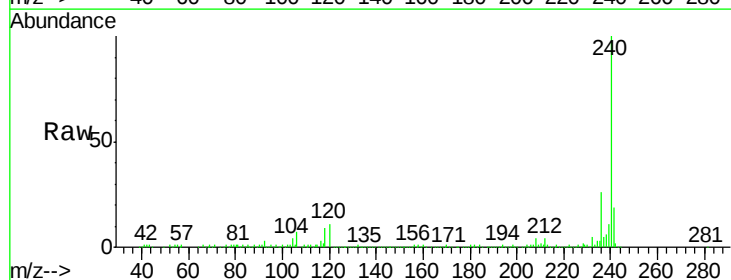
Instrument :
 BNA_F
 ClientSampled :
 SP-2

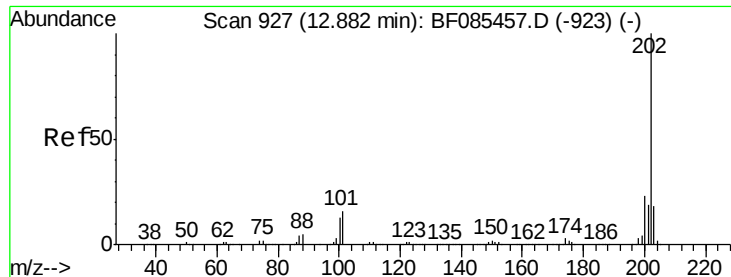
Tgt Ion: 202 Resp: 82062
 Ion Ratio Lower Upper
 202 100
 101 14.6 0.0 31.8
 203 17.3 0.0 38.4



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.06 min Scan# 1030
 Delta R.T. -0.02 min
 Lab File: BF085486.D
 Acq: 17 Mar 2016 2:56

Tgt Ion: 240 Resp: 203354
 Ion Ratio Lower Upper
 240 100
 120 11.0 5.3 7.9#
 236 25.9 20.7 31.1

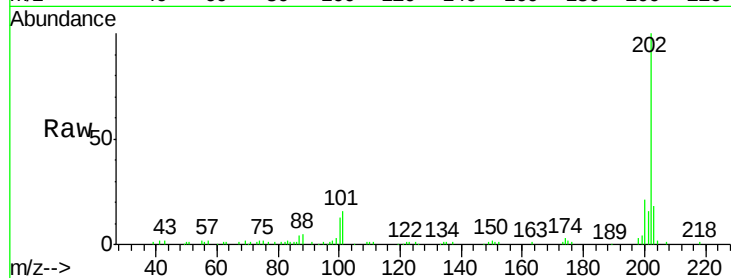




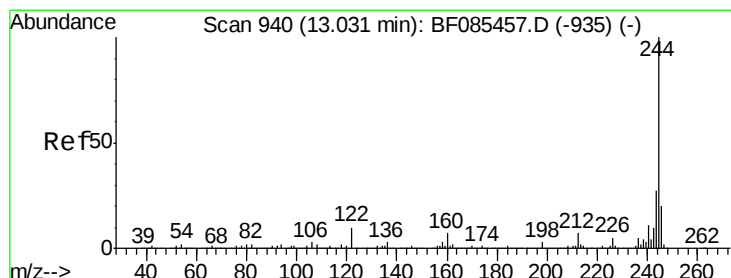
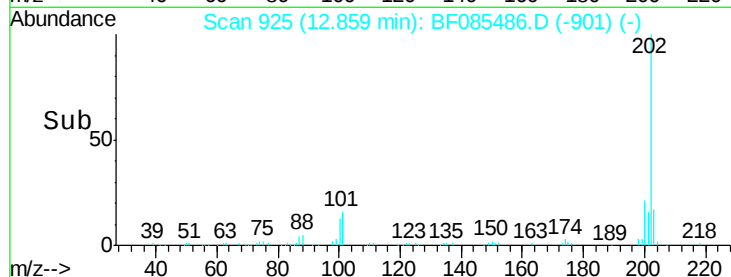
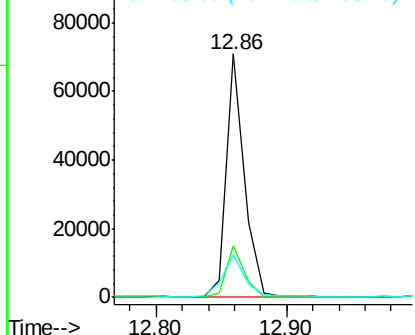
#77
Pyrene
Concen: 4.49 ng
RT: 12.86 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF085486.D
Acq: 17 Mar 2016 2:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:202 Resp: 68513
Ion Ratio Lower Upper
202 100
200 21.1 18.2 27.4
203 17.8 14.7 22.1

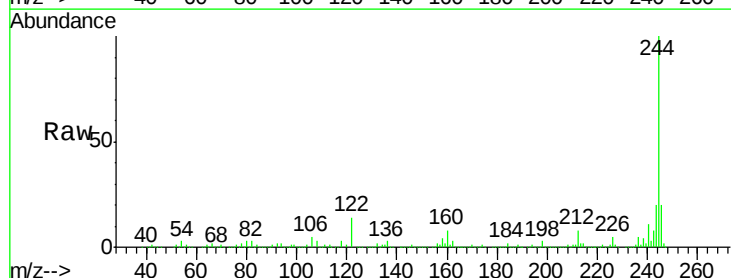


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

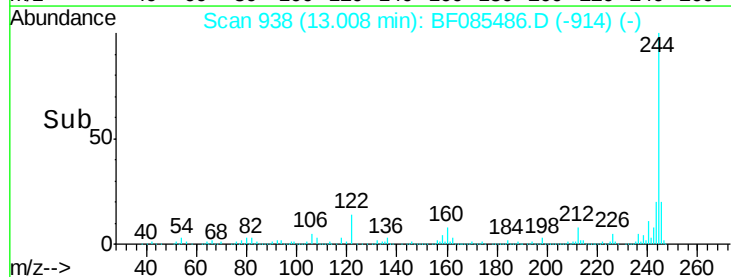
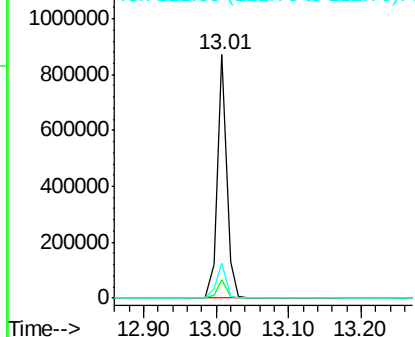


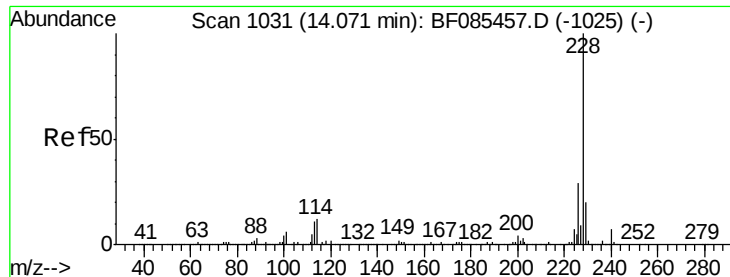
#78
Terphenyl-d14
Concen: 86.33 ng
RT: 13.01 min Scan# 938
Delta R.T. -0.02 min
Lab File: BF085486.D
Acq: 17 Mar 2016 2:56

Tgt Ion:244 Resp: 776010
Ion Ratio Lower Upper
244 100
212 7.8 6.4 9.6
122 14.2 11.4 17.2



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





#80

Benzo(a)anthracene

Concen: 2.56 ng

RT: 14.05 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

Instrument :

BNA_F

ClientSampleId :

SP-2

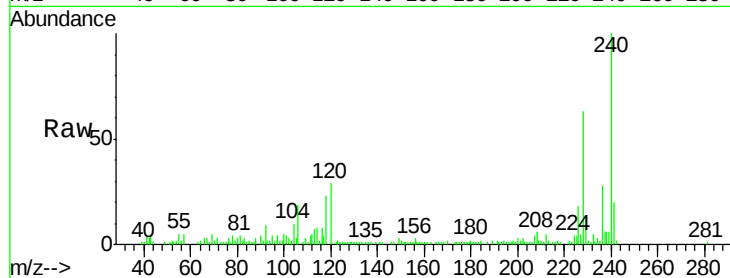
Tgt Ion:228 Resp: 29818

Ion Ratio Lower Upper

228 100

226 28.1 22.8 34.2

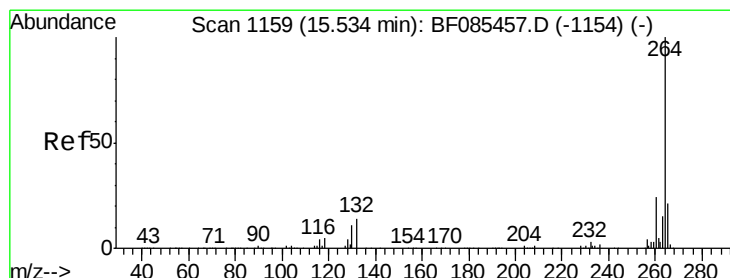
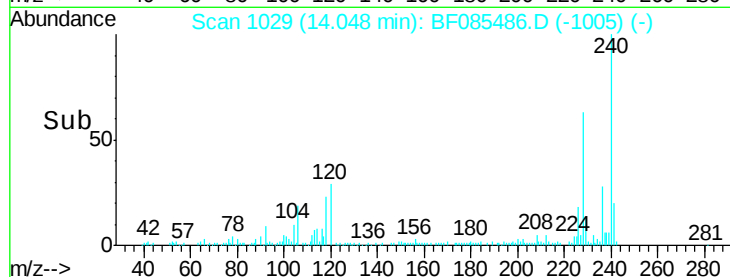
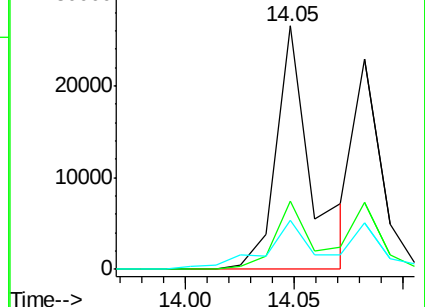
229 20.1 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.50 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

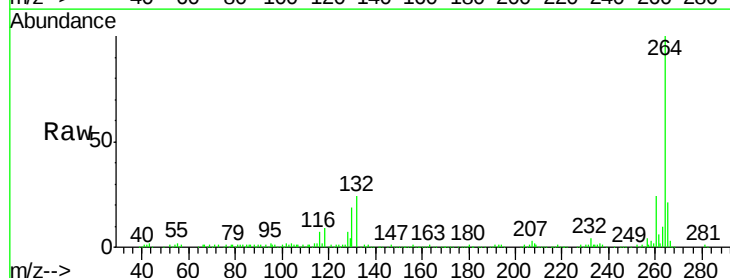
Tgt Ion:264 Resp: 214031

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

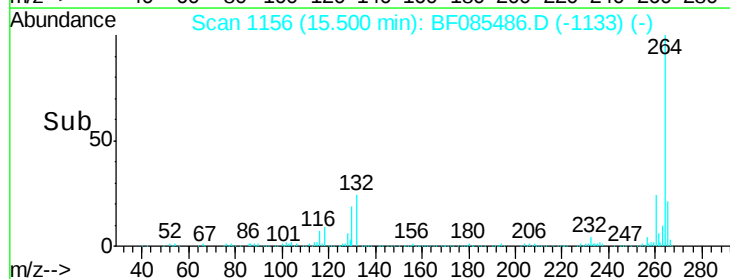
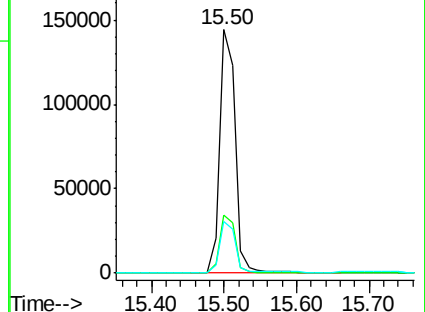
265 21.3 17.3 25.9

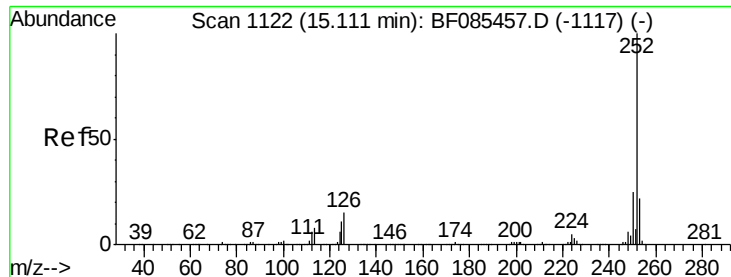


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

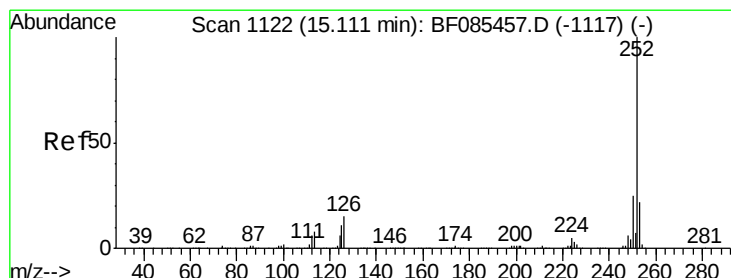
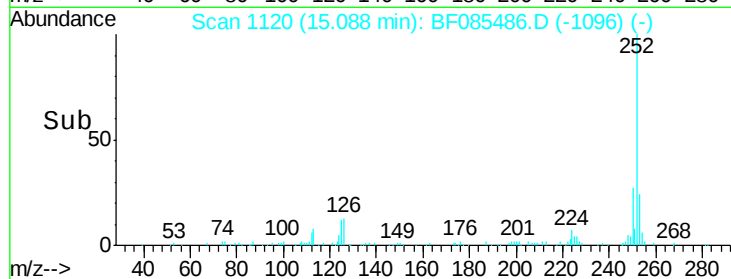
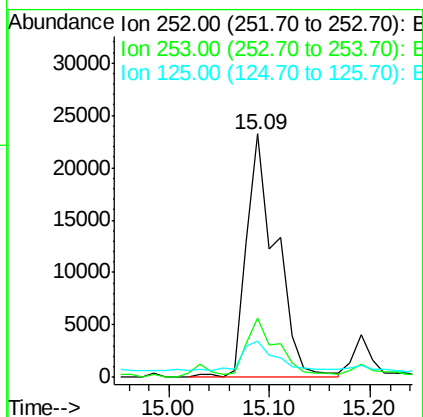
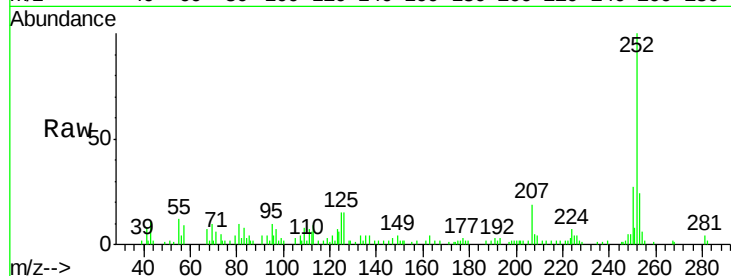




#87
Benzo(b)fluoranthene
Concen: 3.39 ng
RT: 15.09 min Scan# 1120
Delta R.T. -0.02 min
Lab File: BF085486.D
Acq: 17 Mar 2016 2:56

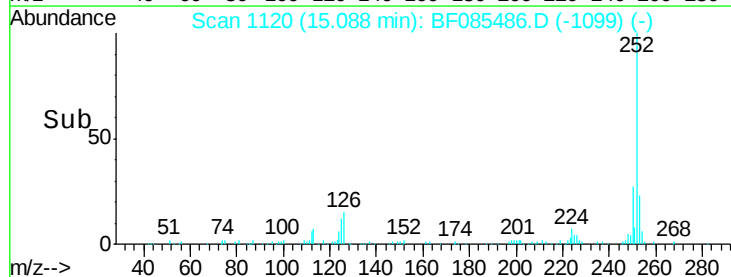
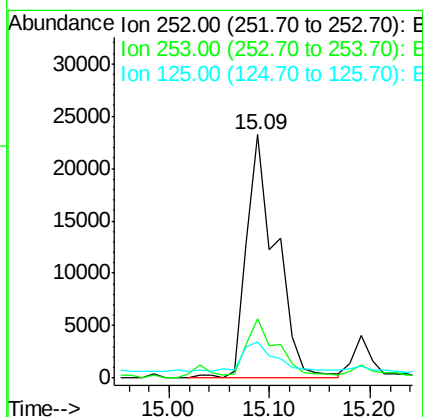
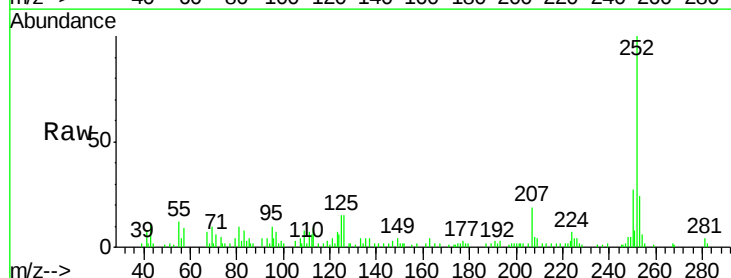
Instrument :
BNA_F
ClientSampleId :
SP-2

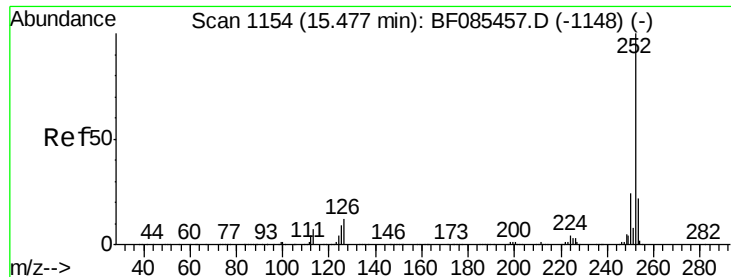
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	15.0	11.3	16.9



#88
Benzo(k)fluoranthene
Concen: 4.33 ng
RT: 15.09 min Scan# 1120
Delta R.T. -0.06 min
Lab File: BF085486.D
Acq: 17 Mar 2016 2:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	15.0	10.4	15.6





#89

Benzo(a)pyrene

Concen: 2.12 ng

RT: 15.44 min Scan# 1151

Delta R.T. -0.03 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

Instrument :

BNA_F

ClientSampleId :

SP-2

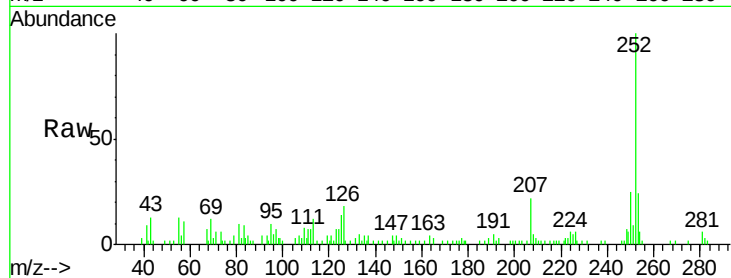
Tgt Ion:252 Resp: 25579

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.0

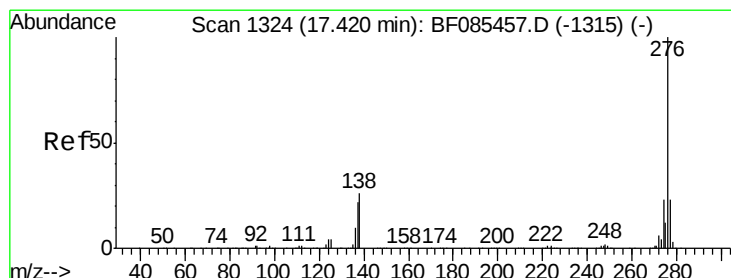
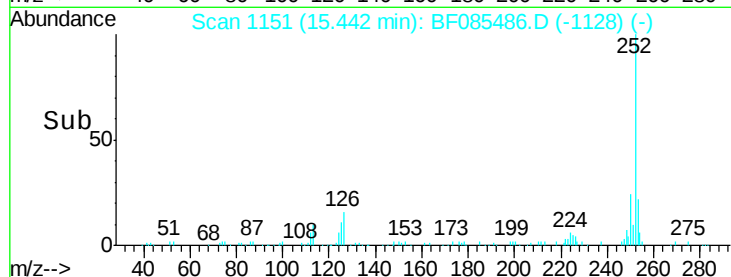
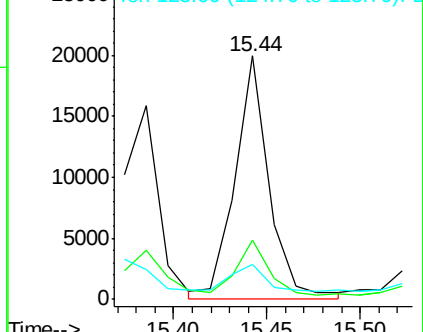
125 14.4 8.2 12.4#



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: 2.09 ng

RT: 17.36 min Scan# 1319

Delta R.T. -0.06 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

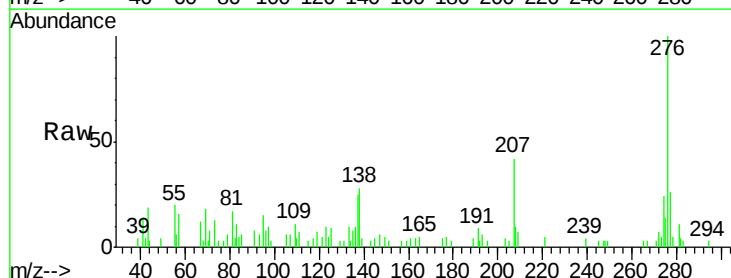
Tgt Ion:276 Resp: 25212

Ion Ratio Lower Upper

276 100

277 26.0 19.0 28.4

138 28.0 22.5 33.7



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

