

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031616\
 Data File : BF085485.D
 Acq On : 17 Mar 2016 2:28
 Operator : UM/SJ
 Sample : H1792-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Quant Time: Mar 17 03:06:29 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	117234	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	486062	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	217816	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	386024	20.00	ng	-0.01
75) Chrysene-d12	14.06	240	223797	20.00	ng	-0.02
86) Perylene-d12	15.51	264	217928	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	906449	132.91	ng	-0.01
7) Phenol-d6	6.53	99	1122750	126.91	ng	-0.02
23) Nitrobenzene-d5	7.46	82	733850	89.27	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	275422	137.29	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1167679	93.00	ng	-0.02
78) Terphenyl-d14	13.01	244	847055	85.62	ng	-0.02

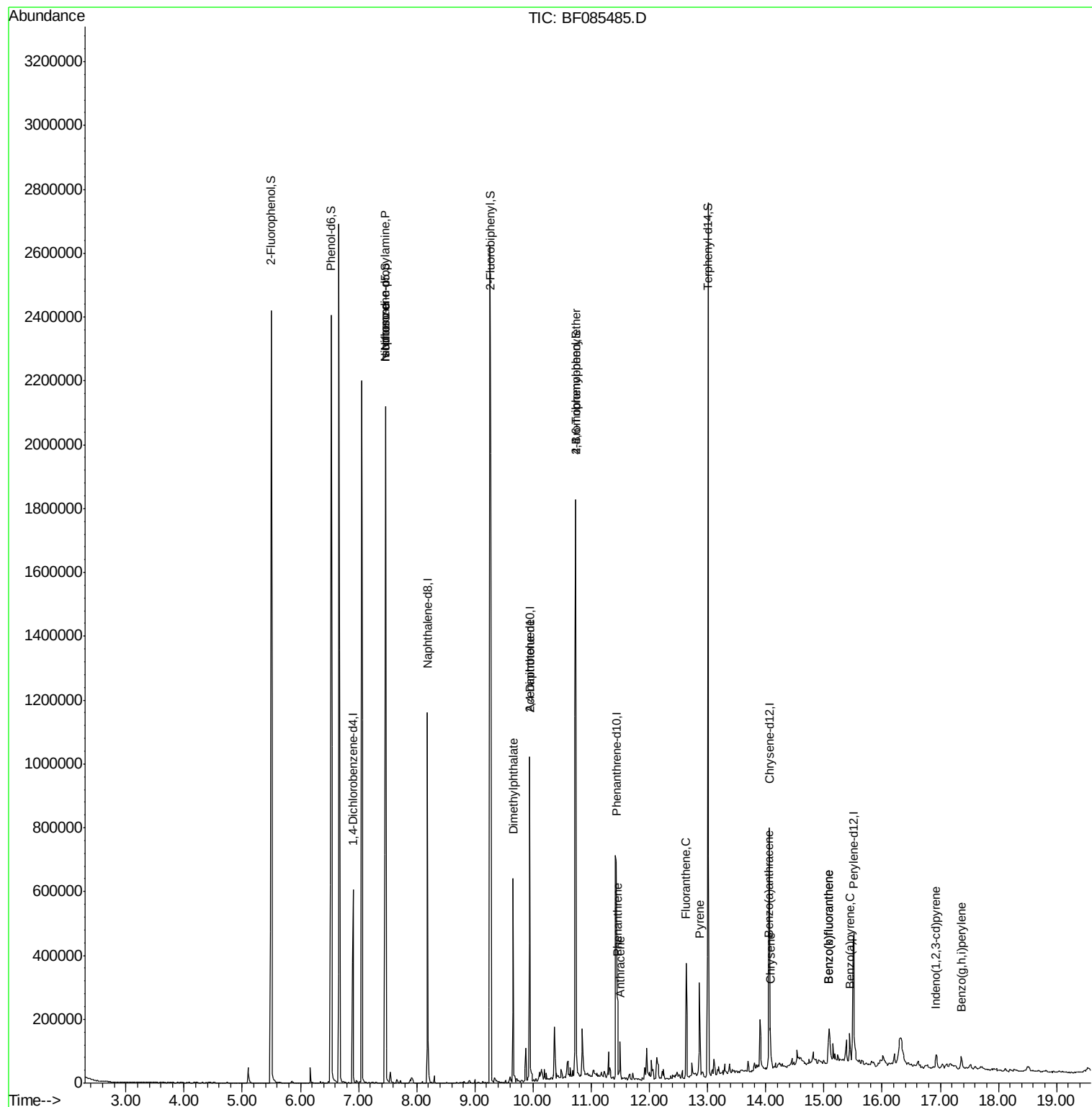
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	97361	18.38	ng	# 77
25) Isophorone	7.46	82	556457	33.19	ng	# 67
49) Dimethylphthalate	9.66	163	276393	17.39	ng	98
56) 2,4-Dinitrotoluene	9.94	165	28686	6.51	ng	# 22
66) 4-Bromophenyl-phenylether	10.73	248	19171	4.91	ng	# 1
70) Phenanthrene	11.45	178	142740	7.10	ng	96
71) Anthracene	11.50	178	43396	2.12	ng	97
74) Fluoranthene	12.63	202	169449	8.97	ng	95
77) Pyrene	12.86	202	136000	8.10	ng	98
80) Benzo(a)anthracene	14.05	228	59618	4.65	ng	99
82) Chrysene	14.08	228	39582	3.43	ng	97
85) Indeno(1,2,3-cd)pyrene	16.93	276	33359	3.05	ng	# 90
87) Benzo(b)fluoranthene	15.09	252	74961	5.27	ng	98
88) Benzo(k)fluoranthene	15.09	252	74961	6.72	ng	99
89) Benzo(a)pyrene	15.44	252	40728	3.31	ng	# 98
91) Benzo(g,h,i)perylene	17.36	276	33958	2.77	ng	96

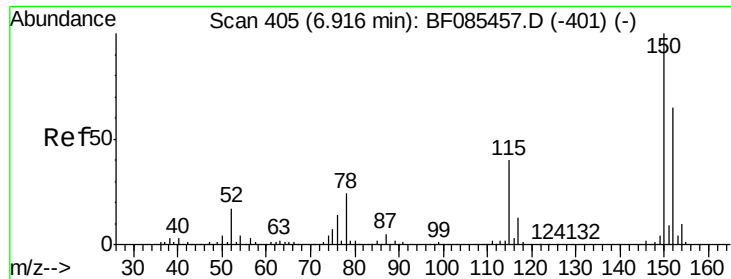
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF085485.D

Acq: 17 Mar 2016 2:28

Instrument :

BNA_F

ClientSampleId :

SP-1

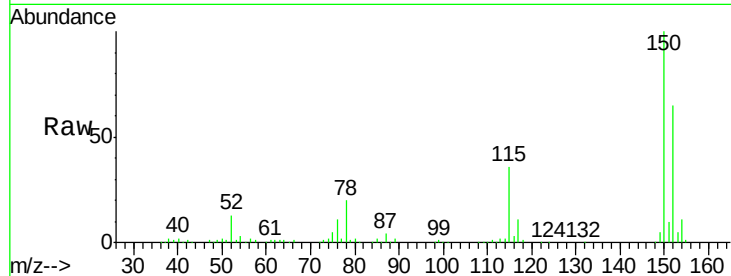
Tgt Ion:152 Resp: 117234

Ion Ratio Lower Upper

152 100

150 154.1 124.6 186.8

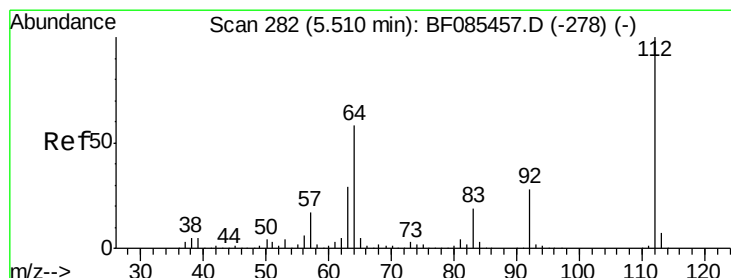
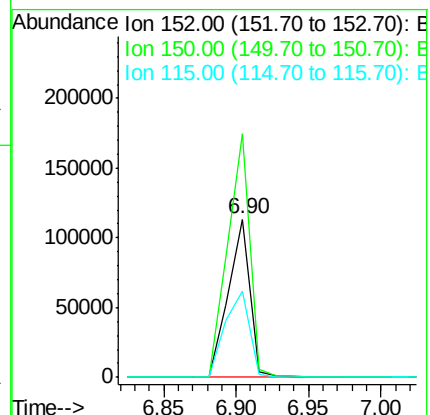
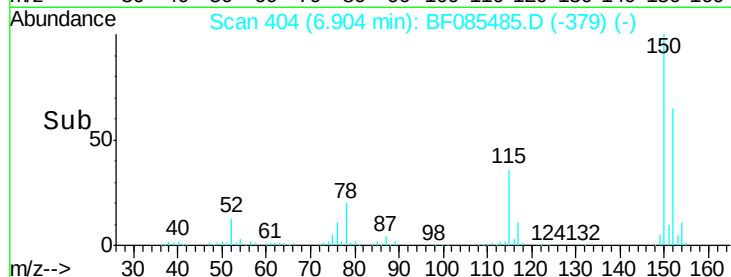
115 54.8 46.6 70.0



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: 132.91 ng

RT: 5.50 min Scan# 281

Delta R.T. -0.01 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

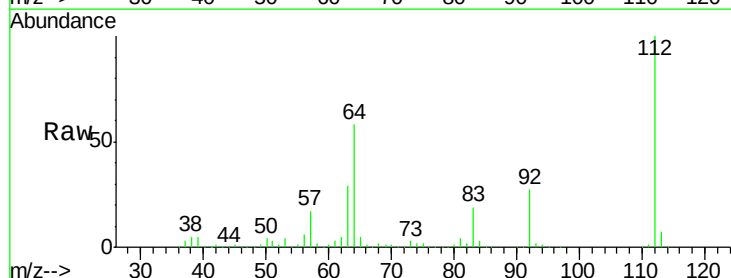
Tgt Ion:112 Resp: 906449

Ion Ratio Lower Upper

112 100

64 58.5 49.0 73.4

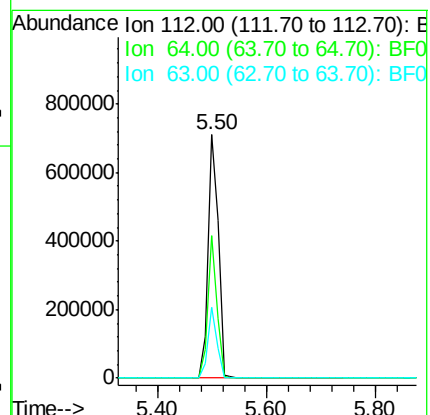
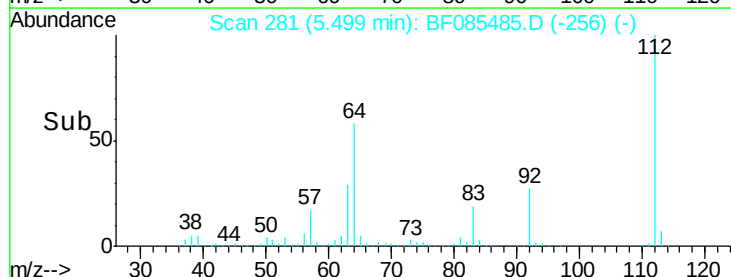
63 29.3 24.8 37.2

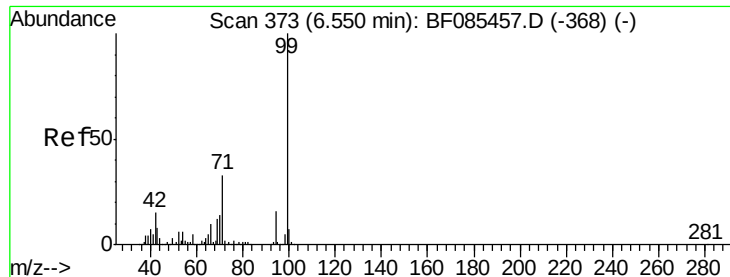


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 126.91 ng

RT: 6.53 min Scan# 371

Delta R.T. -0.02 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

Instrument :

BNA_F

ClientSampleId :

SP-1

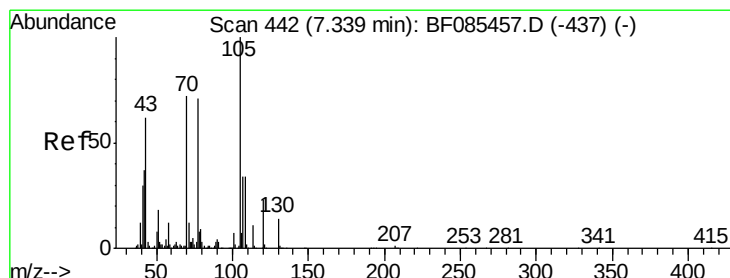
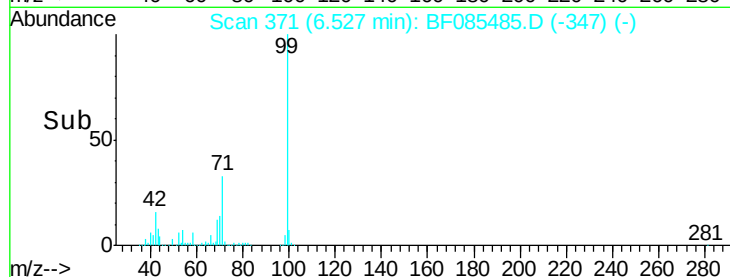
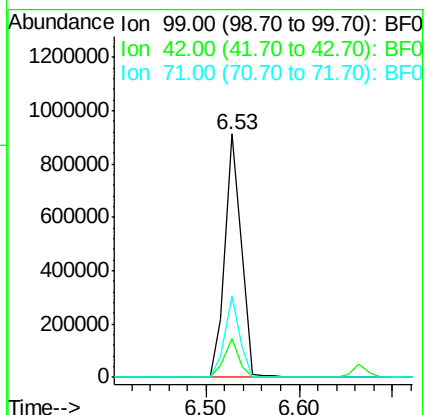
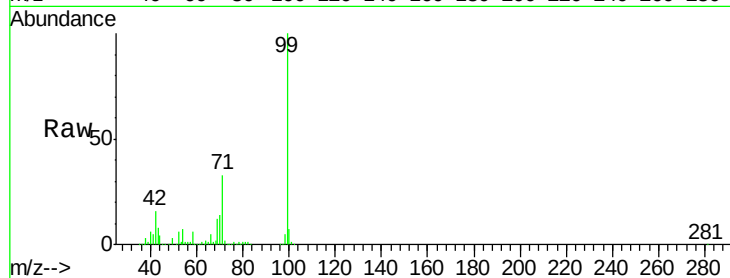
Tgt Ion: 99 Resp: 1122750

Ion Ratio Lower Upper

99 100

42 16.0 13.6 20.4

71 33.3 26.7 40.1



#19

n-Nitroso-di-n-propylamine

Concen: 18.38 ng

RT: 7.46 min Scan# 453

Delta R.T. 0.13 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

Tgt Ion: 70 Resp: 97361

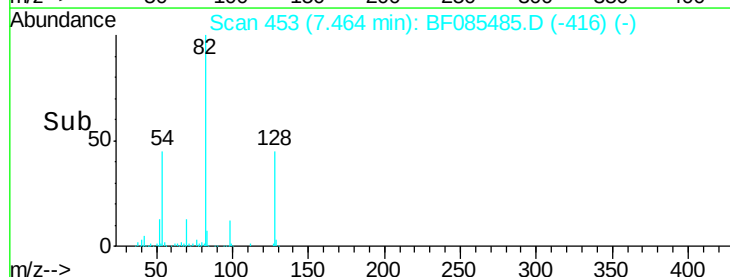
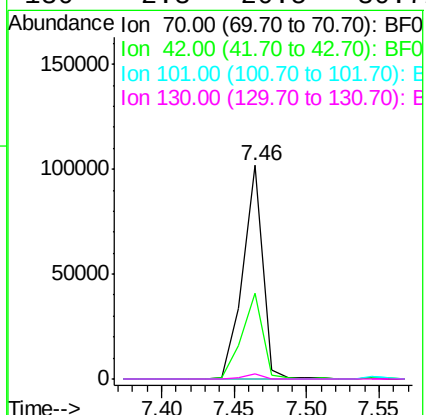
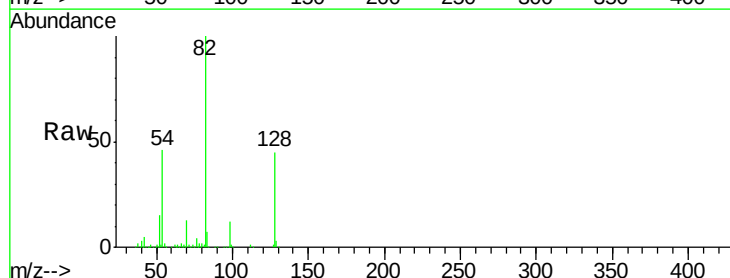
Ion Ratio Lower Upper

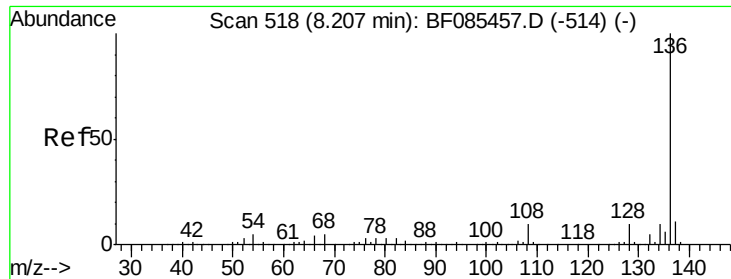
70 100

42 40.4 37.7 56.5

101 0.0 8.2 12.4#

130 2.3 20.5 30.7#

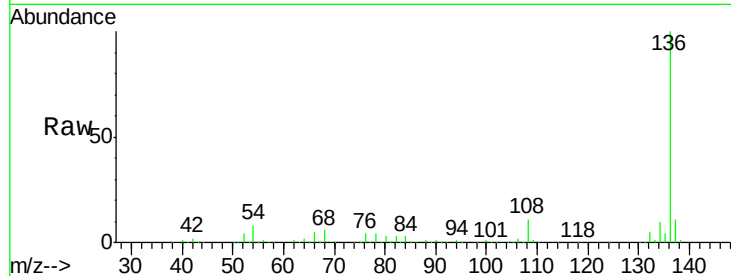




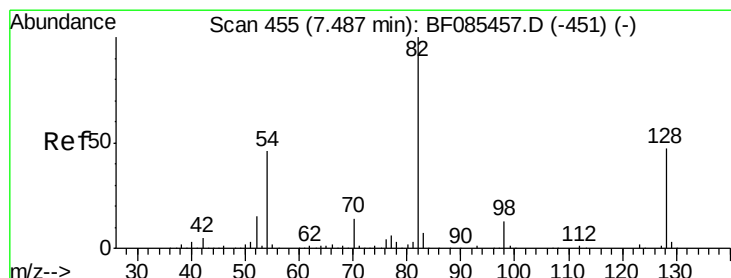
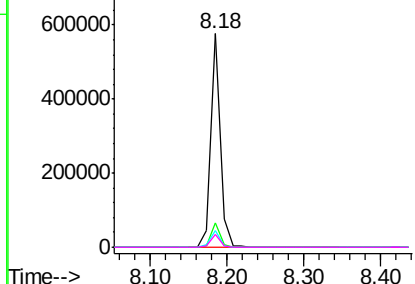
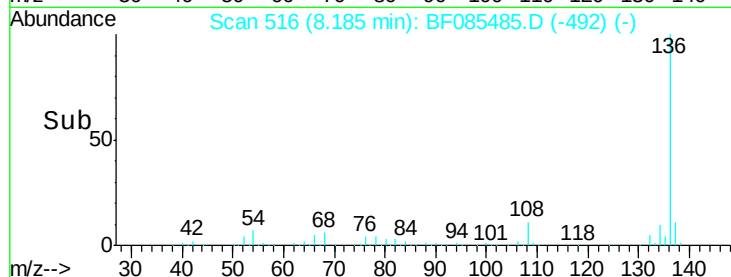
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 516
Delta R.T. -0.02 min
Lab File: BF085485.D
Acq: 17 Mar 2016 2:28

Instrument :
BNA_F
ClientSampleId :
SP-1

Tgt Ion:	136	Resp:	486062
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	7.5	7.4	11.2
68	6.0	6.0	9.0

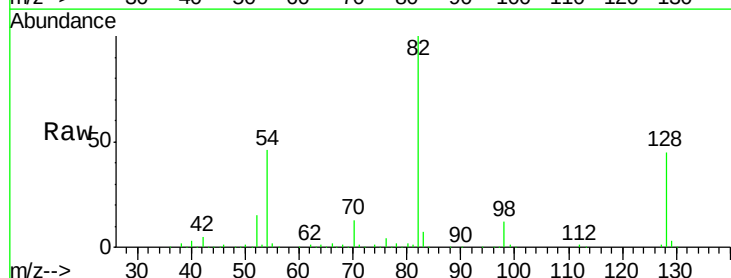


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

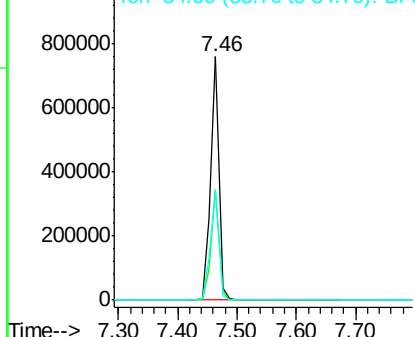
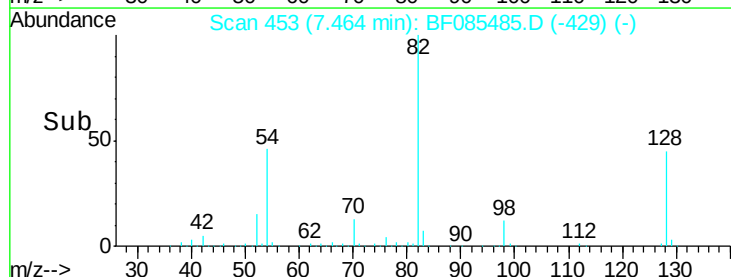


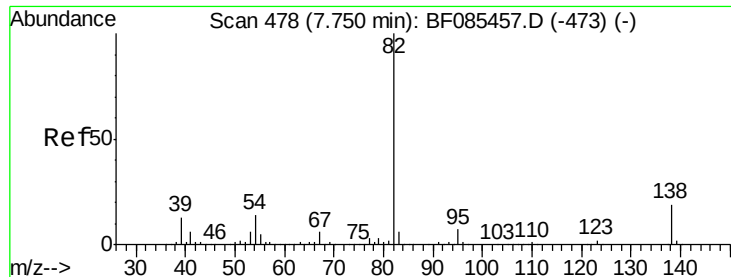
#23
Nitrobenzene-d5
Concen: 89.27 ng
RT: 7.46 min Scan# 453
Delta R.T. -0.02 min
Lab File: BF085485.D
Acq: 17 Mar 2016 2:28

Tgt Ion:	82	Resp:	733850
Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.5	51.7
54	45.6	39.3	58.9



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





#25

Isophorone

Concen: 33.19 ng

RT: 7.46 min Scan# 453

Delta R.T. -0.29 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

Instrument :

BNA_F

ClientSampled :

SP-1

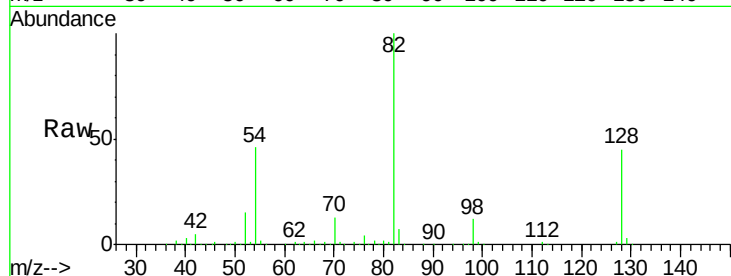
Tgt Ion: 82 Resp: 556457

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

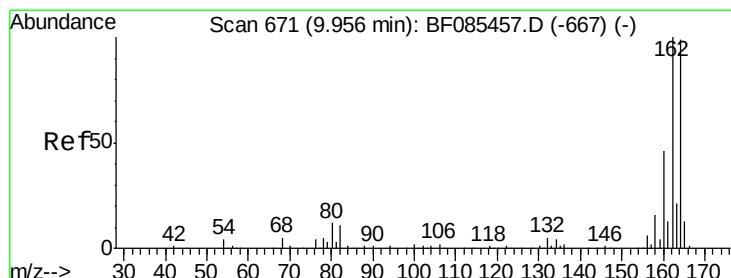
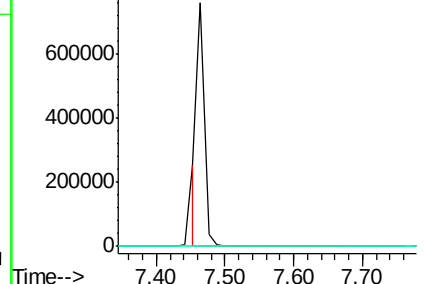
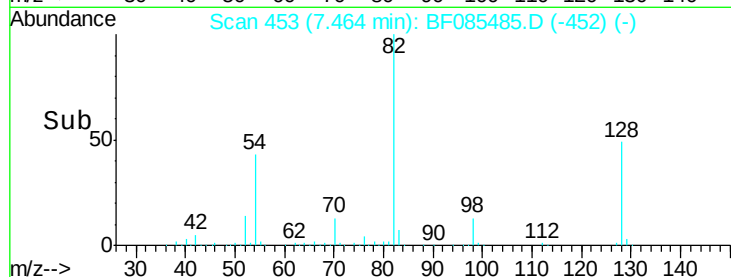
138 0.0 13.3 19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

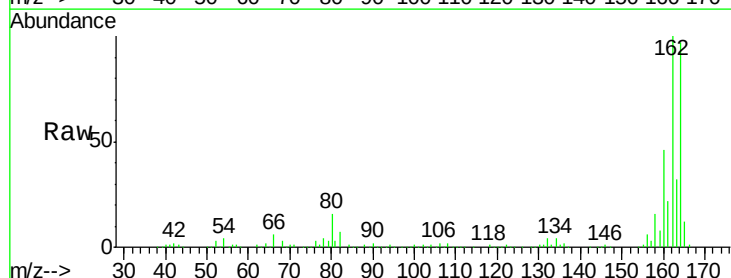
Tgt Ion: 164 Resp: 217816

Ion Ratio Lower Upper

164 100

162 103.0 83.3 124.9

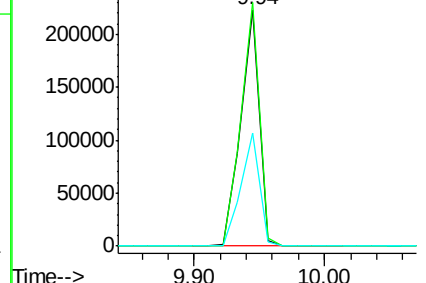
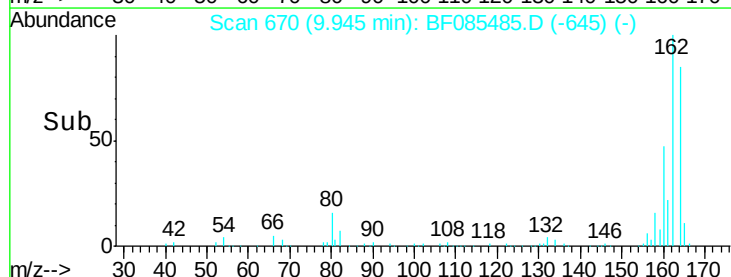
160 47.7 37.9 56.9

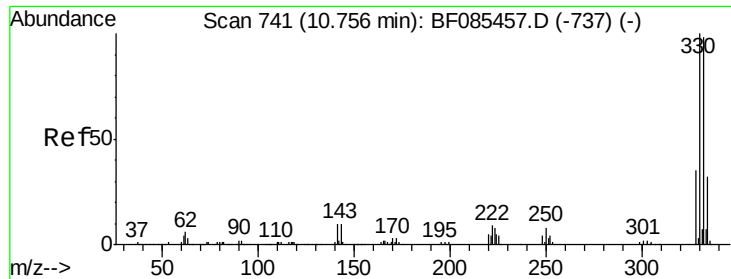


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

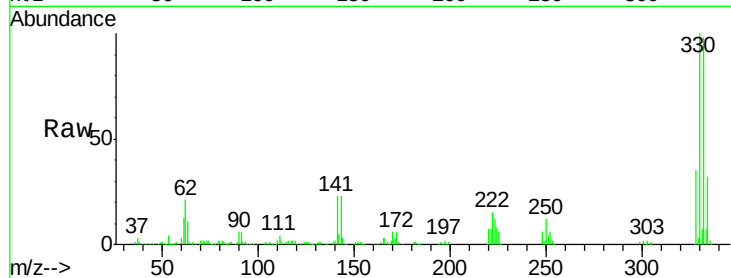




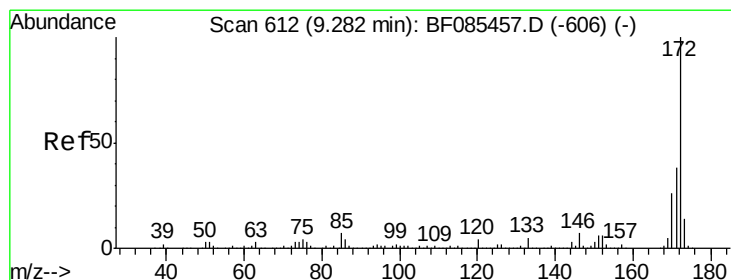
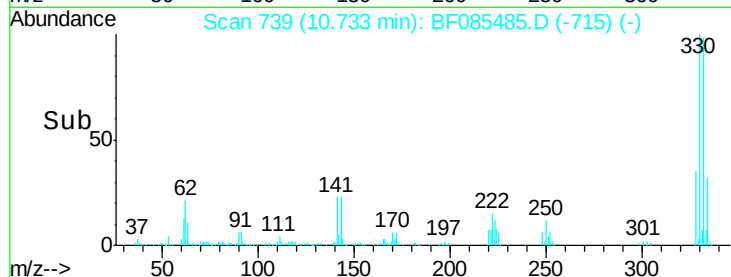
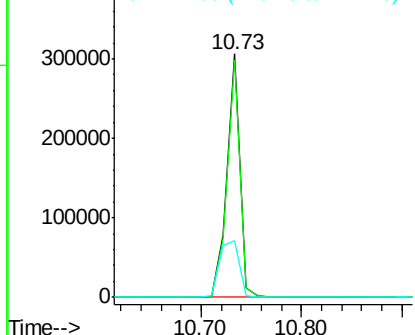
#41
 2,4,6-Tribromophenol
 Concen: 137.29 ng
 RT: 10.73 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF085485.D
 Acq: 17 Mar 2016 2:28

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Tgt Ion:330 Resp: 275422
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.1 115.7
 141 36.1 35.0 52.6

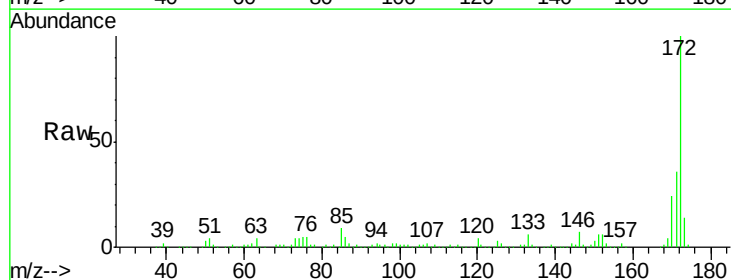


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

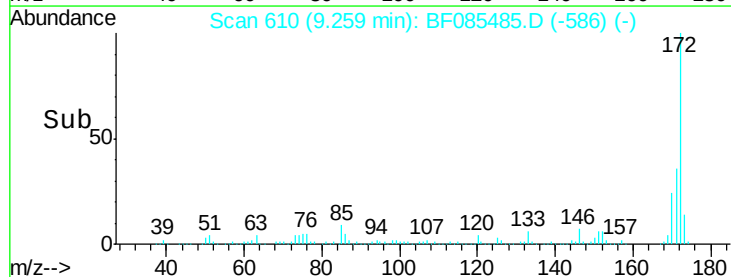
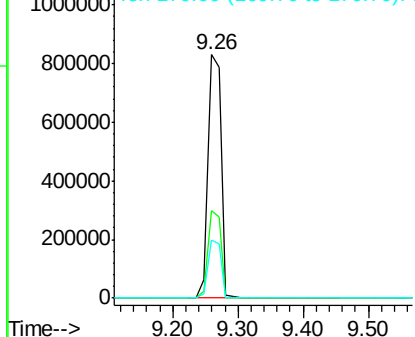


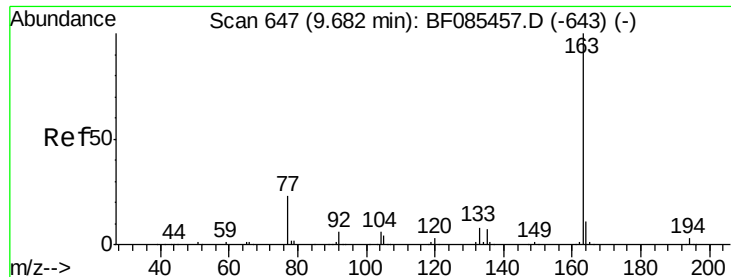
#44
 2-Fluorobiphenyl
 Concen: 93.00 ng
 RT: 9.26 min Scan# 610
 Delta R.T. -0.02 min
 Lab File: BF085485.D
 Acq: 17 Mar 2016 2:28

Tgt Ion:172 Resp: 1167679
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.3 43.9
 170 23.9 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: 17.39 ng

RT: 9.66 min Scan# 645

Delta R.T. -0.02 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

Instrument :

BNA_F

ClientSampleId :

SP-1

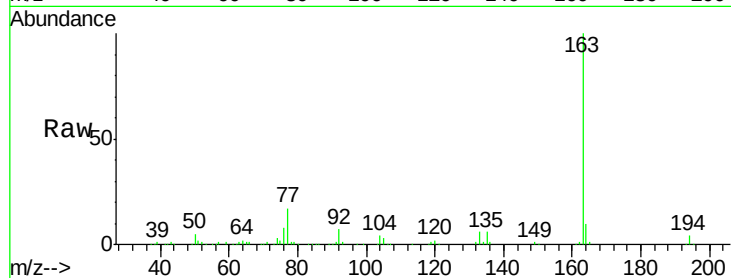
Tgt Ion:163 Resp: 276393

Ion Ratio Lower Upper

163 100

194 3.7 3.1 4.7

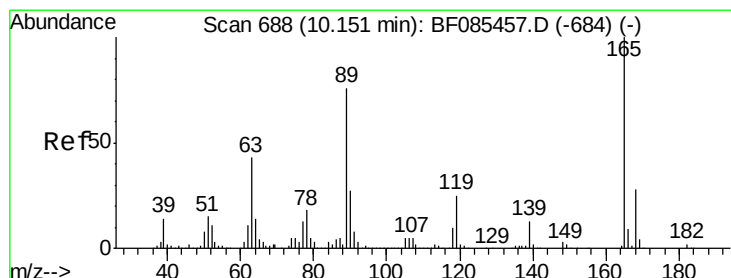
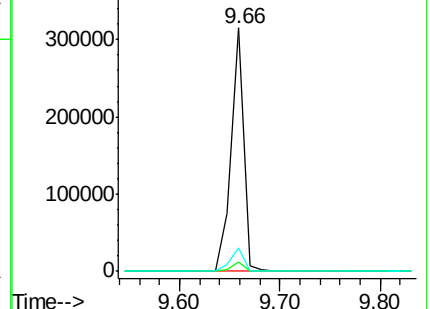
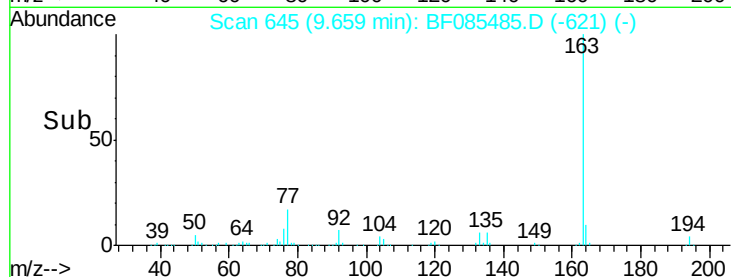
164 9.5 8.2 12.4



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: 6.51 ng

RT: 9.94 min Scan# 670

Delta R.T. -0.21 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

Tgt Ion:165 Resp: 28686

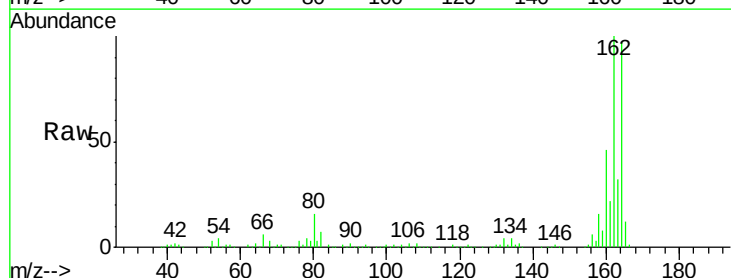
Ion Ratio Lower Upper

165 100

63 1.3 35.4 53.0#

89 2.0 61.9 92.9#

182 0.0 1.9 2.9#

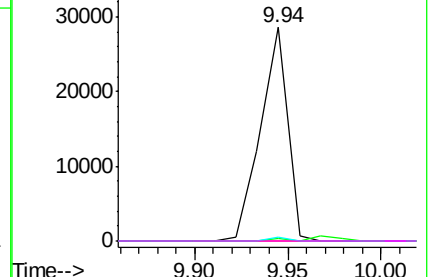
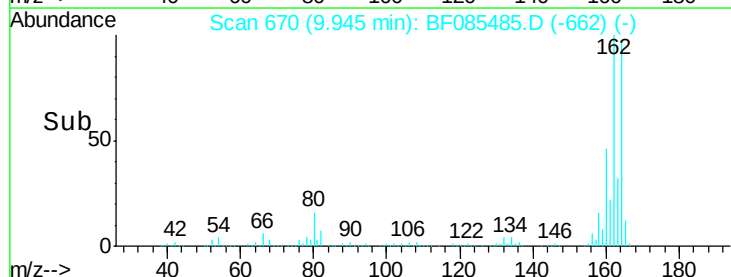


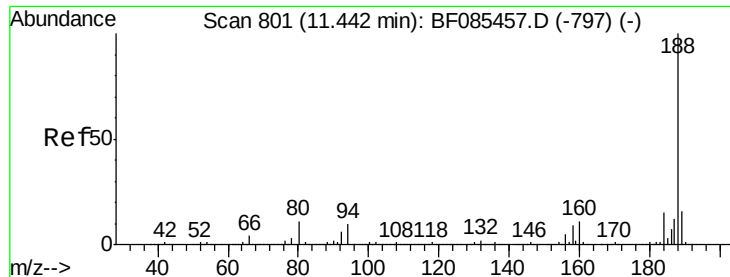
Abundance Ion 165.00 (164.70 to 165.70): E

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

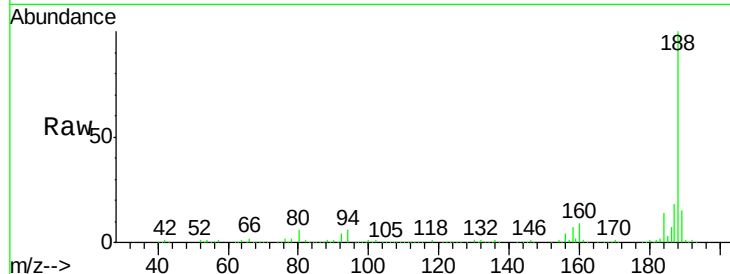




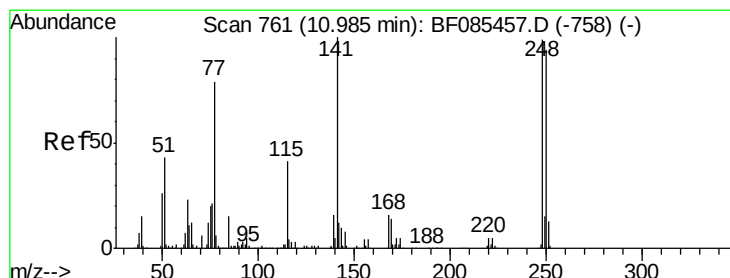
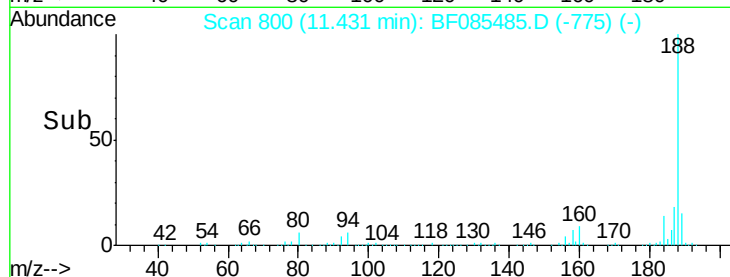
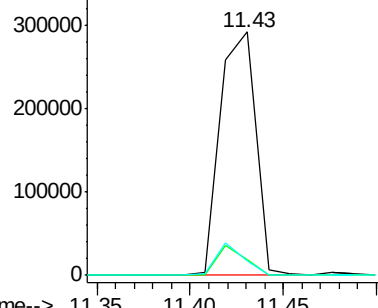
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.43 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF085485.D
 Acq: 17 Mar 2016 2:28

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Tgt Ion:188 Resp: 386024
 Ion Ratio Lower Upper
 188 100
 94 6.2 7.0 10.6#
 80 6.0 7.4 11.0#

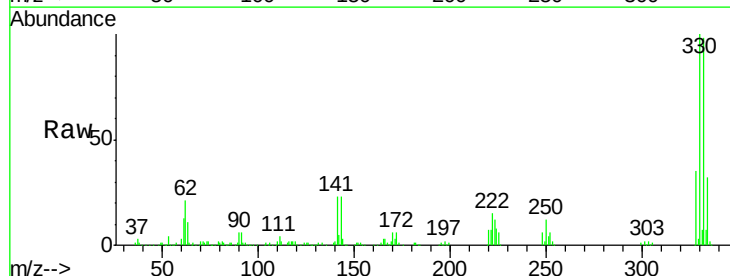


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

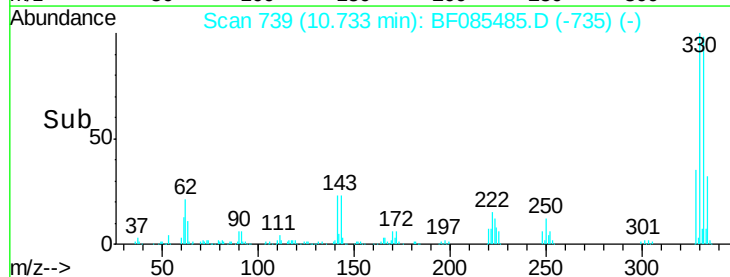
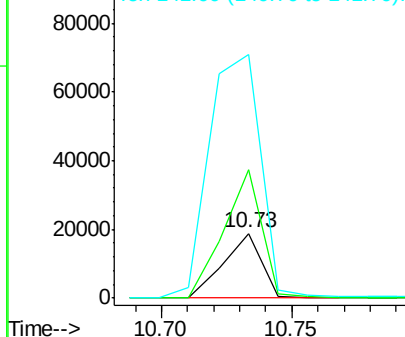


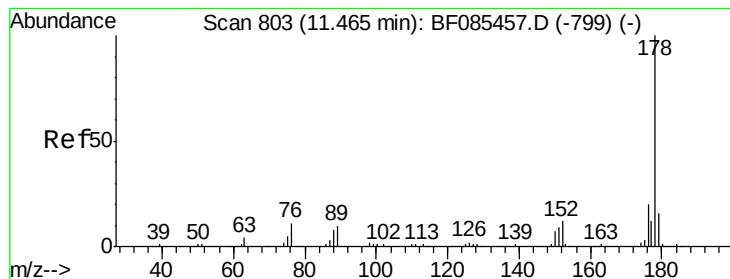
#66
 4-Bromophenyl-phenylether
 Concen: 4.91 ng
 RT: 10.73 min Scan# 739
 Delta R.T. -0.25 min
 Lab File: BF085485.D
 Acq: 17 Mar 2016 2:28

Tgt Ion:248 Resp: 19171
 Ion Ratio Lower Upper
 248 100
 250 198.6 77.1 115.7#
 141 376.6 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: 7.10 ng

RT: 11.45 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

Instrument :

BNA_F

ClientSampleId :

SP-1

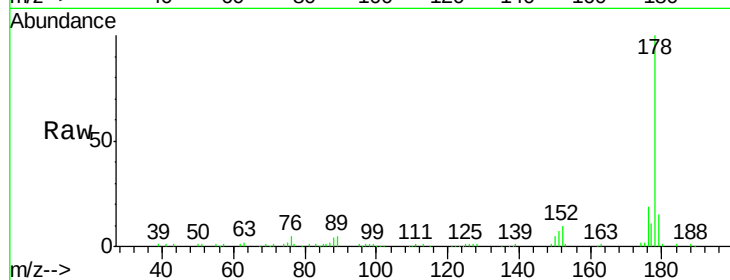
Tgt Ion:178 Resp: 142740

Ion Ratio Lower Upper

178 100

176 19.1 16.8 25.2

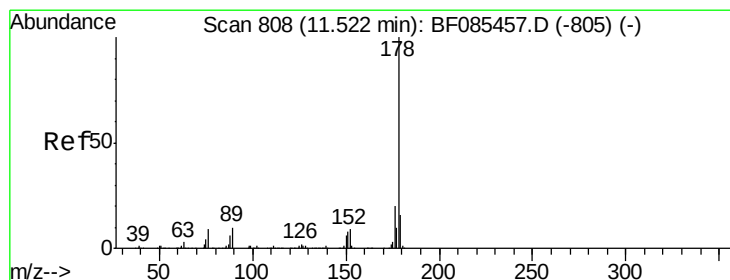
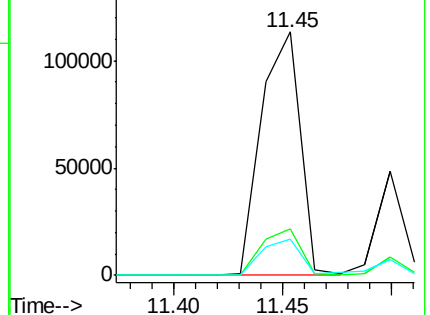
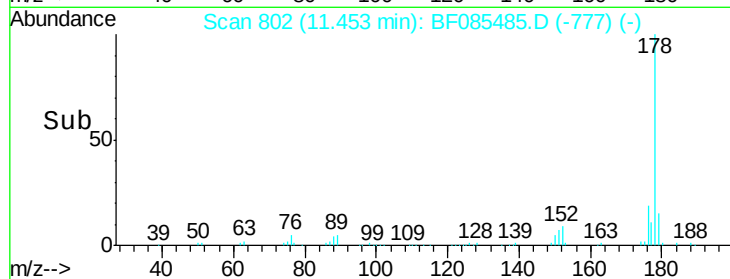
179 14.9 13.1 19.7



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



#71

Anthracene

Concen: 2.12 ng

RT: 11.50 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

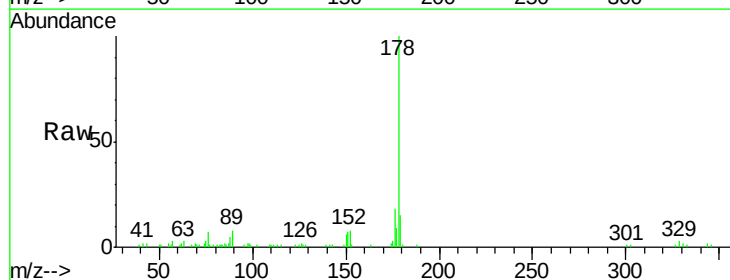
Tgt Ion:178 Resp: 43396

Ion Ratio Lower Upper

178 100

176 17.7 15.9 23.9

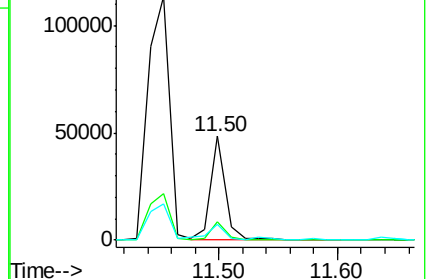
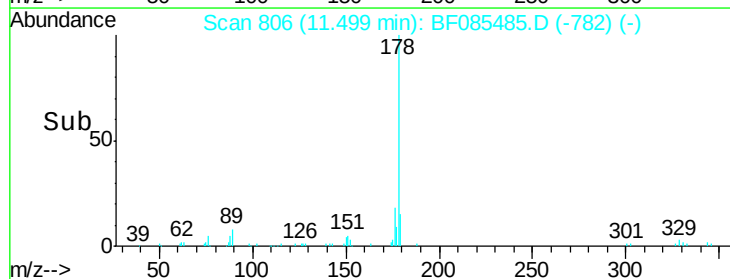
179 15.3 12.5 18.7

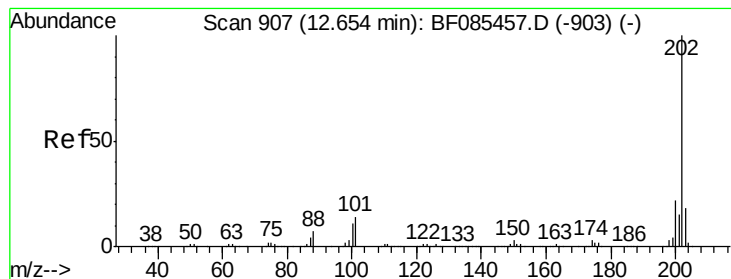


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

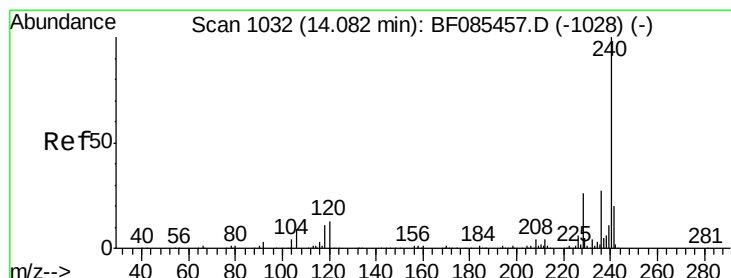
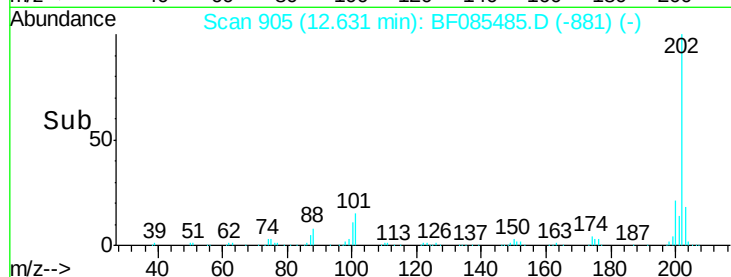
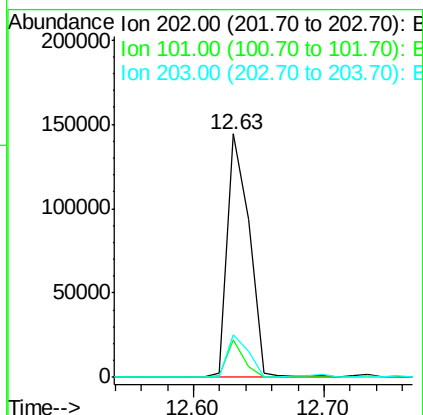
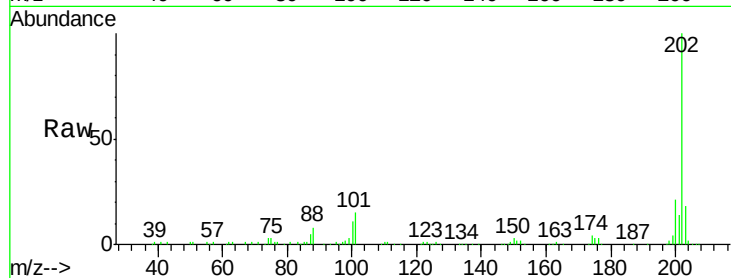




#74
 Fluoranthene
 Concen: 8.97 ng
 RT: 12.63 min Scan# 905
 Delta R.T. -0.02 min
 Lab File: BF085485.D
 Acq: 17 Mar 2016 2:28

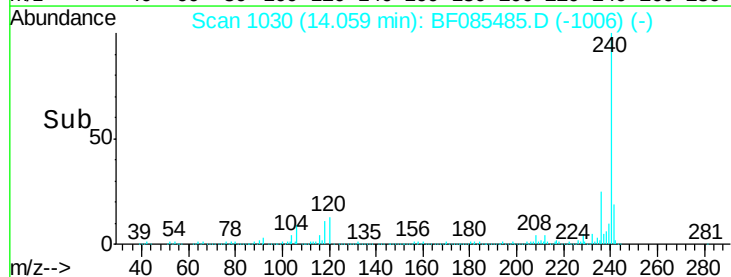
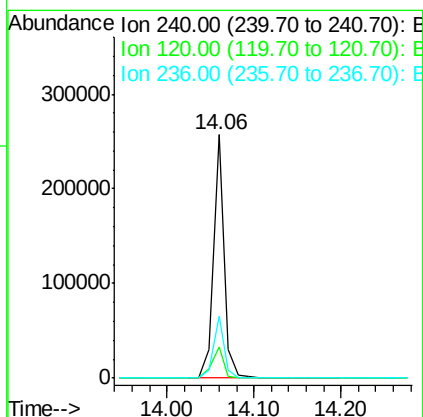
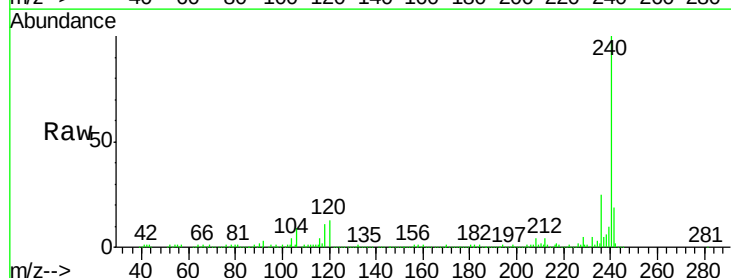
Instrument :
 BNA_F
 ClientSampleId :
 SP-1

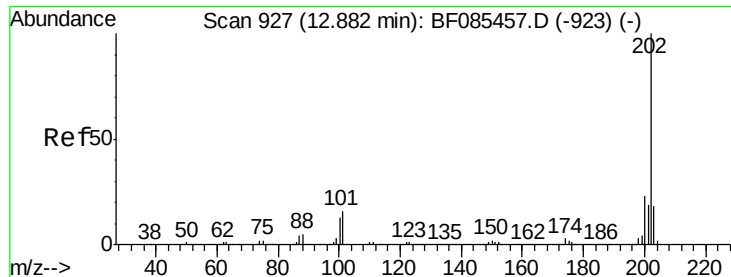
Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.4	0.0	31.8
203	17.5	0.0	38.4



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.06 min Scan# 1030
 Delta R.T. -0.02 min
 Lab File: BF085485.D
 Acq: 17 Mar 2016 2:28

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.6	5.3	7.9#
236	25.5	20.7	31.1





#77

Pyrene

Concen: 8.10 ng

RT: 12.86 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

Instrument :

BNA_F

ClientSampleId :

SP-1

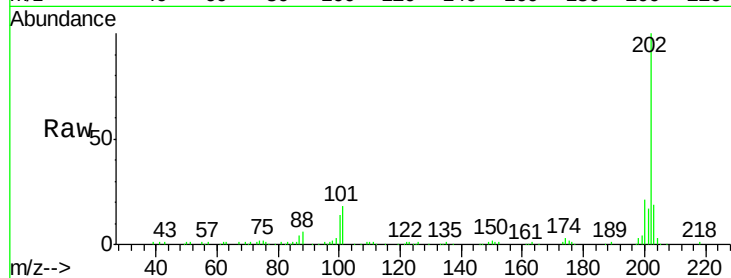
Tgt Ion:202 Resp: 136000

Ion Ratio Lower Upper

202 100

200 21.2 18.2 27.4

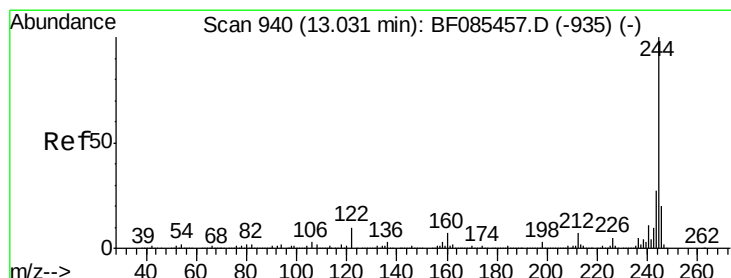
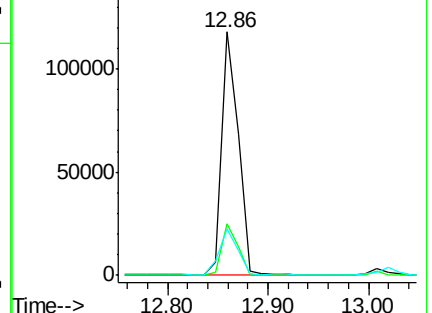
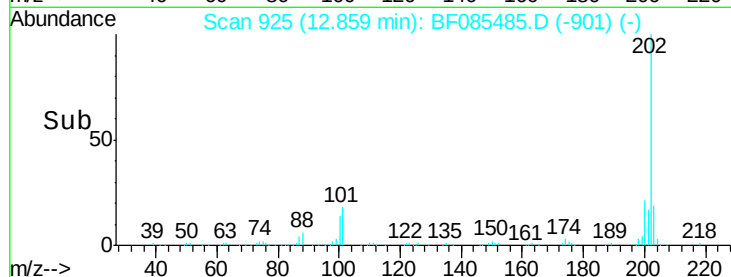
203 18.8 14.7 22.1



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: 85.62 ng

RT: 13.01 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

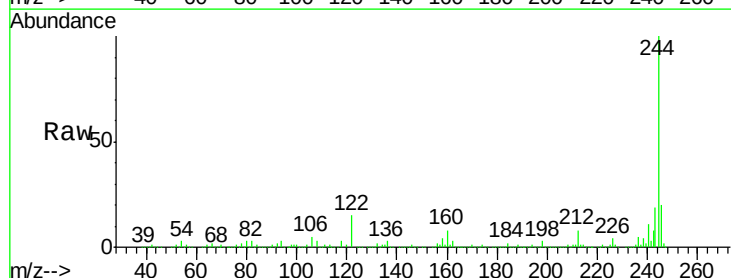
Tgt Ion:244 Resp: 847055

Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

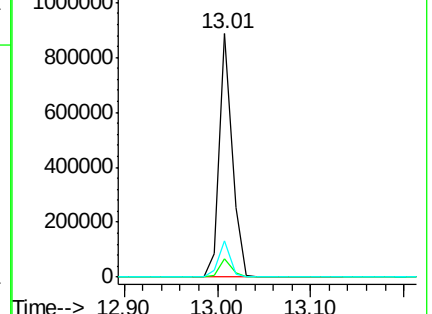
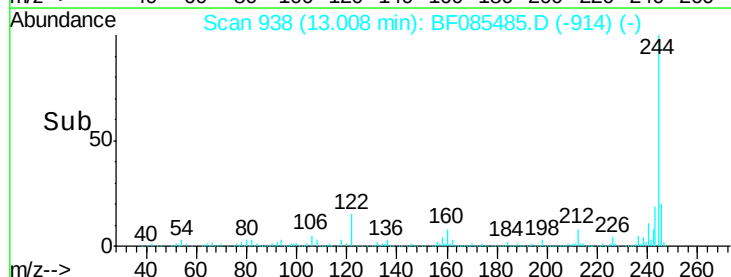
122 14.8 11.4 17.2

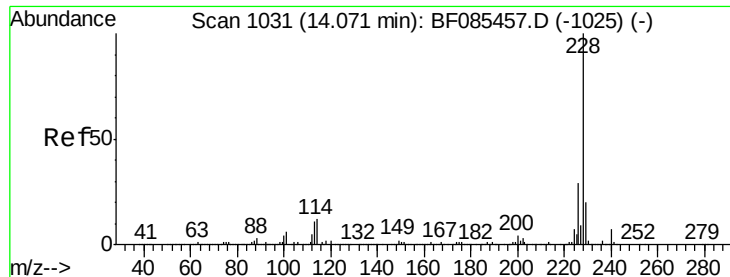


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.65 ng

RT: 14.05 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

Instrument :

BNA_F

ClientSampleId :

SP-1

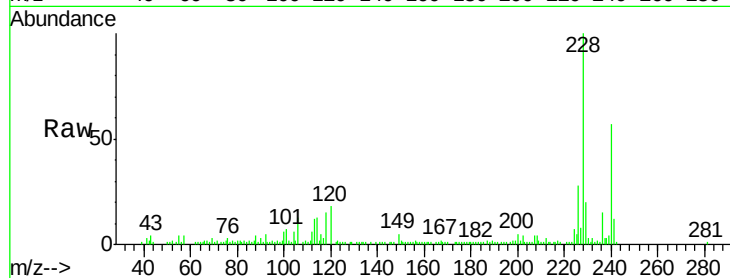
Tgt Ion:228 Resp: 59618

Ion Ratio Lower Upper

228 100

226 28.4 22.8 34.2

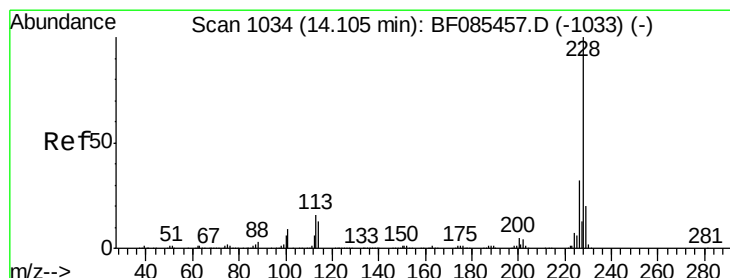
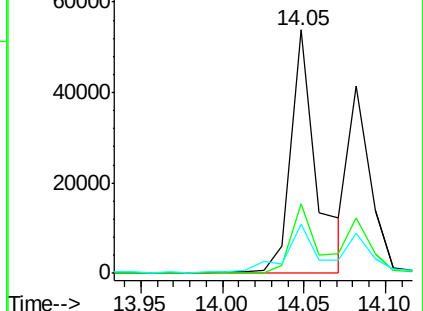
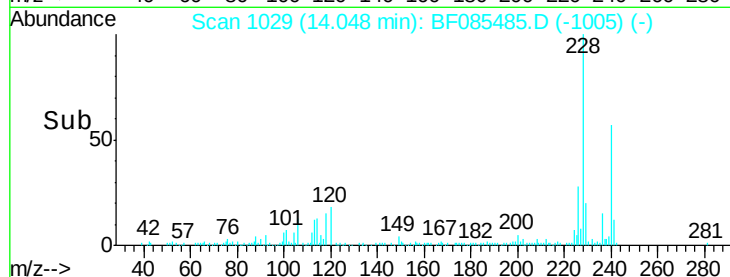
229 20.2 16.6 24.8



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



#82

Chrysene

Concen: 3.43 ng

RT: 14.08 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

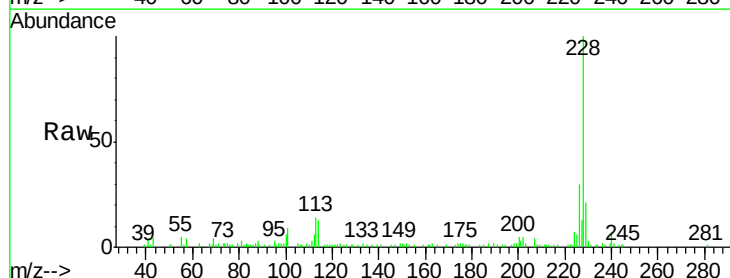
Tgt Ion:228 Resp: 39582

Ion Ratio Lower Upper

228 100

226 29.9 25.2 37.8

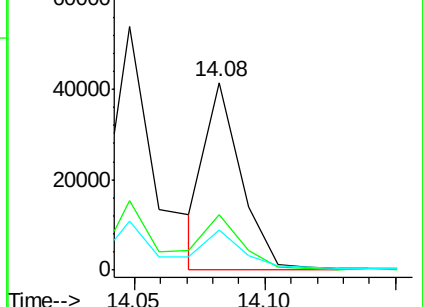
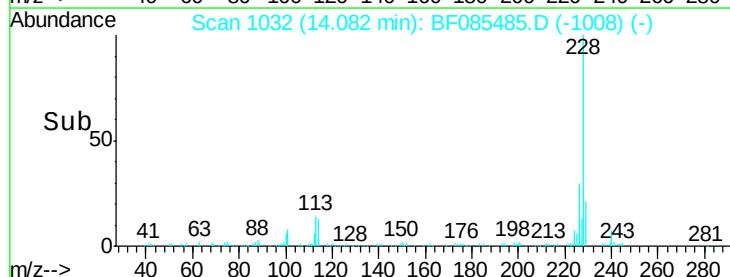
229 21.4 16.0 24.0

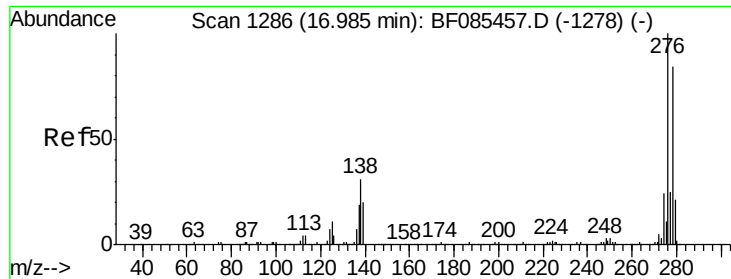


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

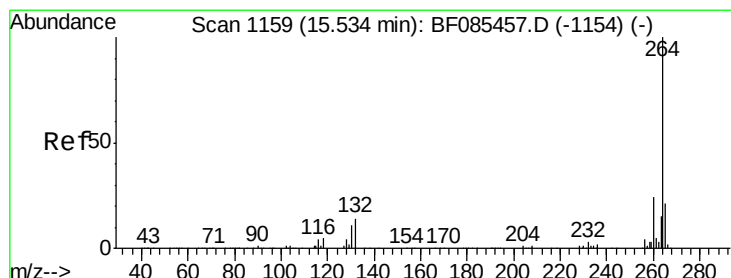
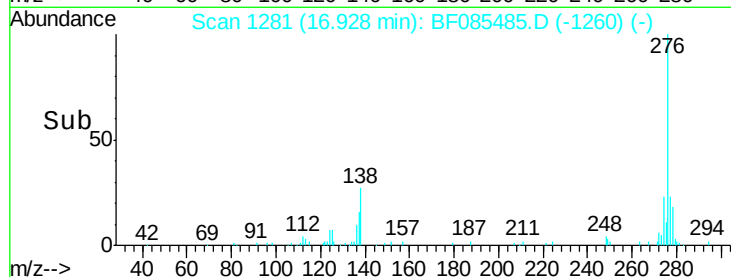
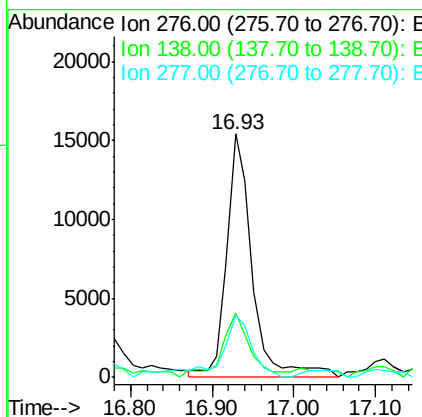
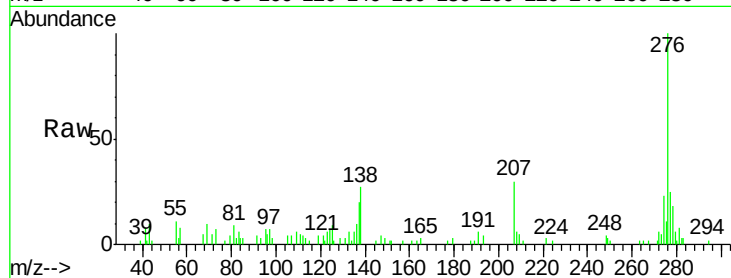




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.05 ng
 RT: 16.93 min Scan# 1281
 Delta R.T. -0.06 min
 Lab File: BF085485.D
 Acq: 17 Mar 2016 2:28

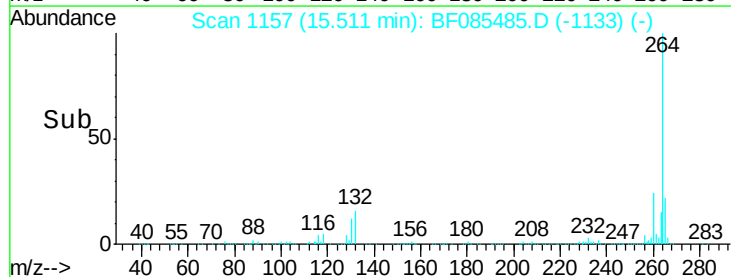
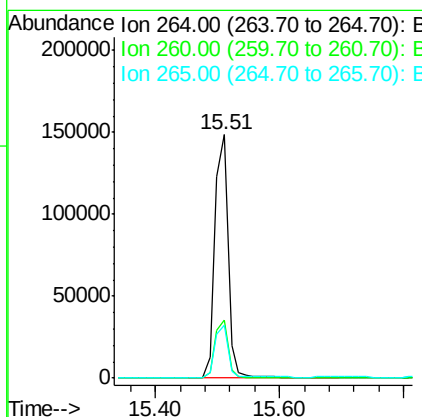
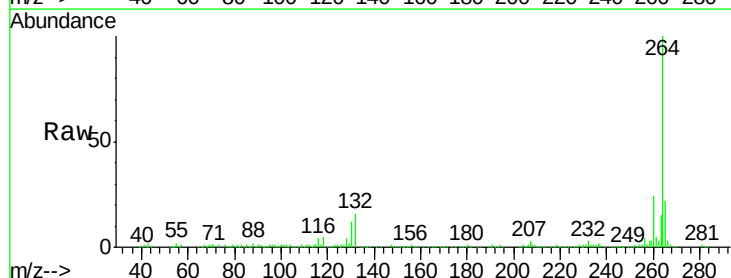
Instrument :
 BNA_F
 ClientSampleId :
 SP-1

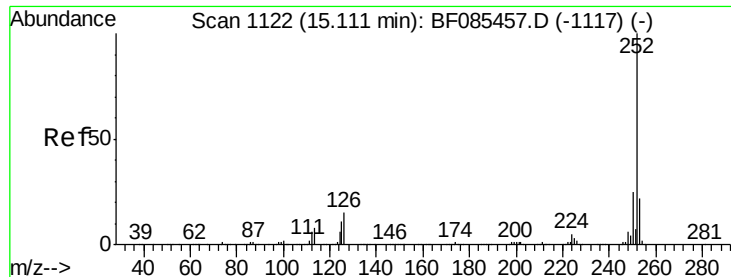
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.8	26.4	39.6
277	32.7	20.2	30.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.51 min Scan# 1157
 Delta R.T. -0.02 min
 Lab File: BF085485.D
 Acq: 17 Mar 2016 2:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.8	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 5.27 ng

RT: 15.09 min Scan# 1120

Delta R.T. -0.02 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

Instrument :

BNA_F

ClientSampleId :

SP-1

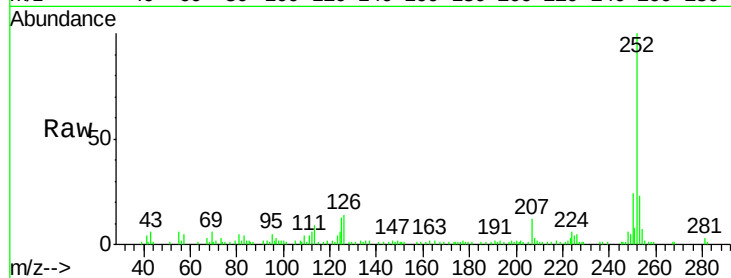
Tgt Ion:252 Resp: 74961

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

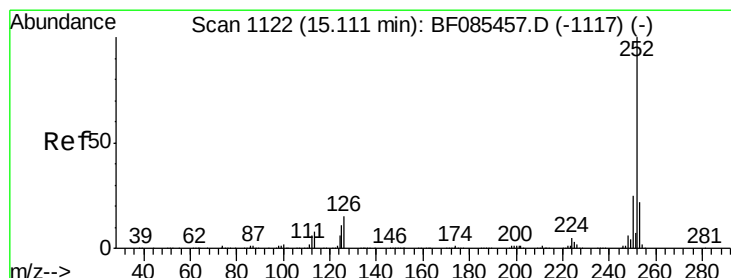
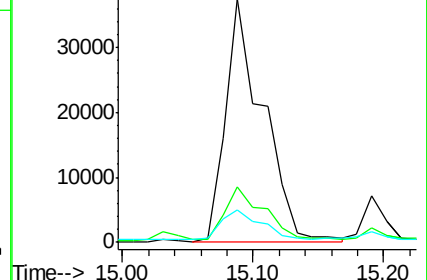
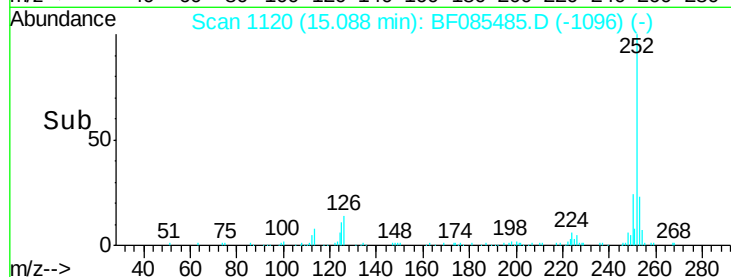
125 13.1 11.3 16.9



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



#88

Benzo(k)fluoranthene

Concen: 6.72 ng

RT: 15.09 min Scan# 1120

Delta R.T. -0.06 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

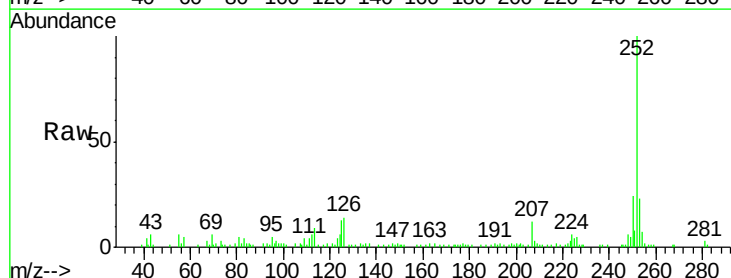
Tgt Ion:252 Resp: 74961

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

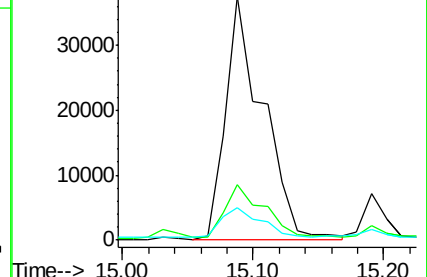
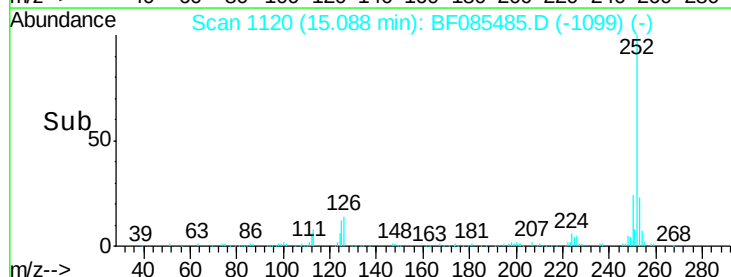
125 13.1 10.4 15.6

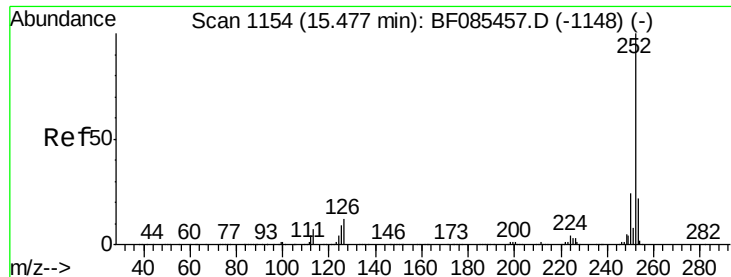


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.31 ng

RT: 15.44 min Scan# 1151

Delta R.T. -0.03 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

Instrument :

BNA_F

ClientSampleId :

SP-1

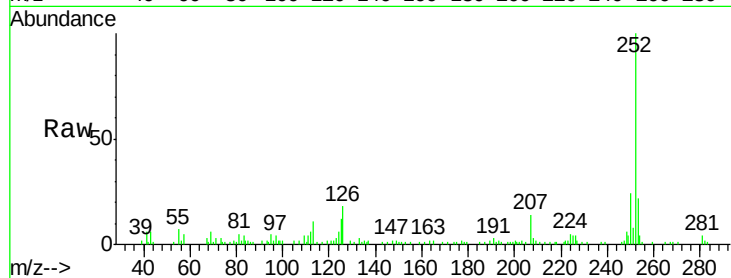
Tgt Ion:252 Resp: 40728

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

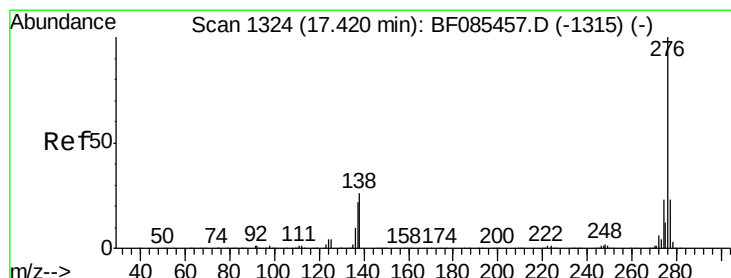
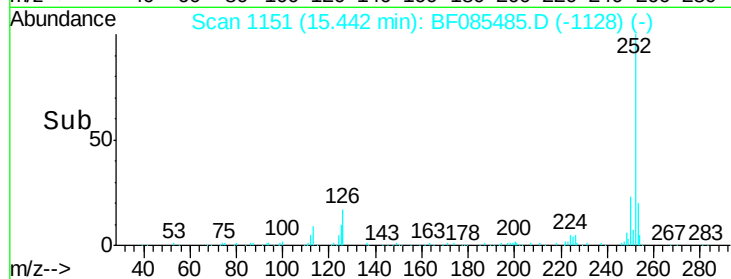
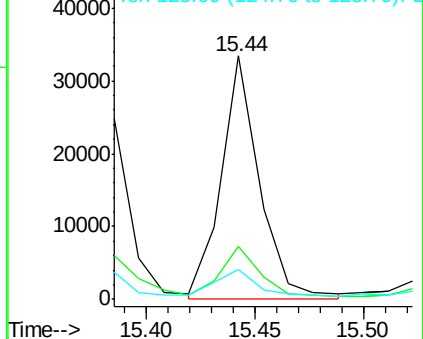
125 12.5 8.2 12.4#



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: 2.77 ng

RT: 17.36 min Scan# 1319

Delta R.T. -0.06 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

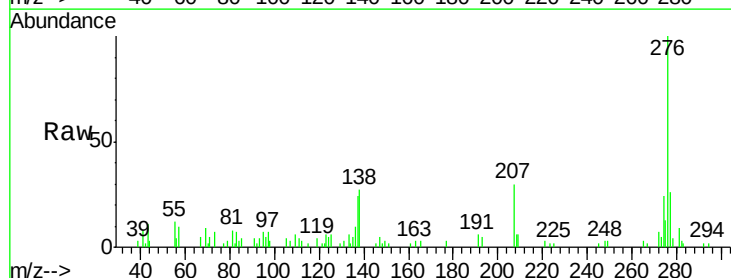
Tgt Ion:276 Resp: 33958

Ion Ratio Lower Upper

276 100

277 26.4 19.0 28.4

138 27.0 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

