

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011516\
 Data File : BF084523.D
 Acq On : 16 Jan 2016 6:44
 Operator : SJ/UM
 Sample : H1134-05
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-13

Quant Time: Jan 18 00:09:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	243968	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	961744	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	416546	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	701945	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	593921	20.00	ng	-0.01
86) Perylene-d12	15.40	264	525557	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	1859181	123.26	ng	0.00
7) Phenol-d6	6.46	99	1984446	104.76	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1535763	88.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	505428	120.19	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	2101061	89.03	ng	0.00
78) Terphenyl-d14	12.93	244	1661318	62.44	ng	-0.01

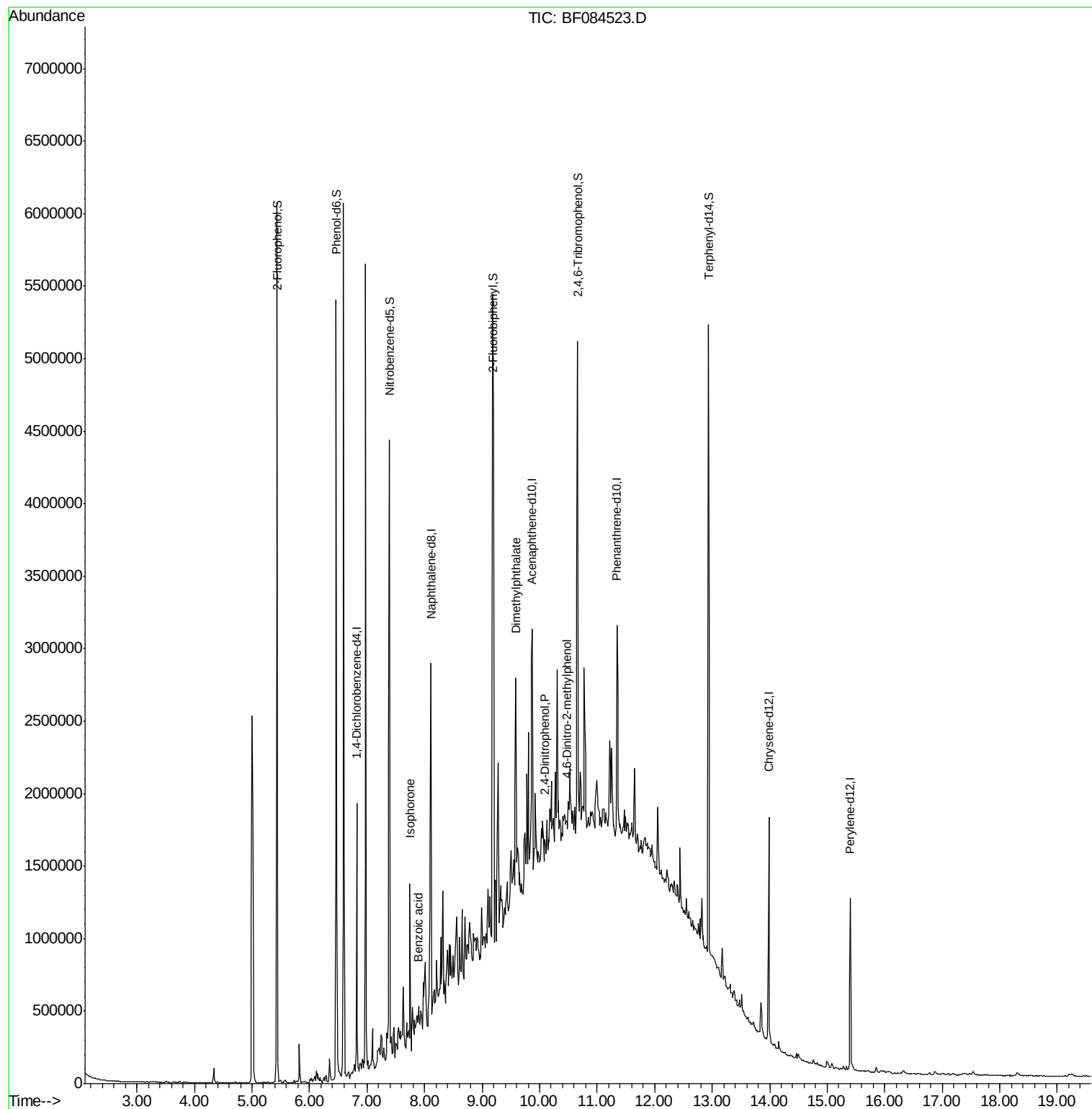
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.74	82	93314	2.82	ng	# 1
32) Benzoic acid	7.89	122	7106	6.84	ng	# 1
49) Dimethylphthalate	9.58	163	503801	16.92	ng	# 90
53) 2,4-Dinitrophenol	10.09	184	430	3.70	ng	# 1
54) Dibenzofuran	10.06	168	3610	Below Cal		# 1
57) Fluorene	10.41	166	5381	Below Cal		# 29
60) 4-Chlorophenyl-phenylether	10.42	204	1451	Below Cal		# 1
64) 4,6-Dinitro-2-methylphenol	10.48	198	306	6.48	ng	# 1
73) Di-n-butylphthalate	11.92	149	6543	Below Cal		# 34

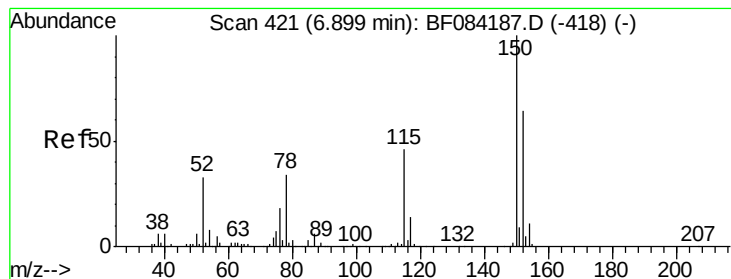
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF084523.D

Acq: 16 Jan 2016 6:44

Instrument :

BNA_F

ClientSampleId :

UST-13

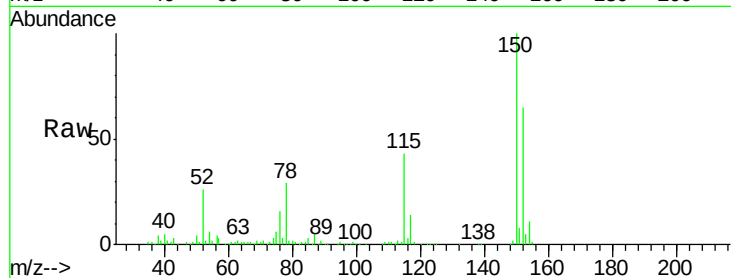
Tgt Ion:152 Resp: 243968

Ion Ratio Lower Upper

152 100

150 154.2 123.0 184.4

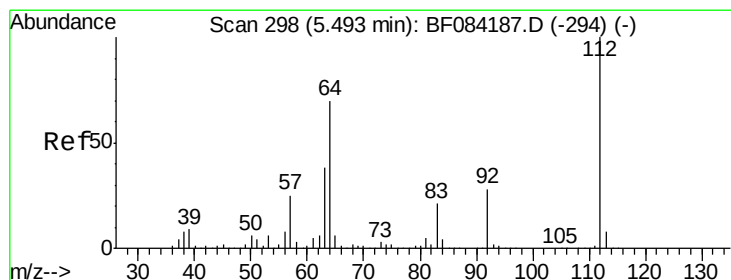
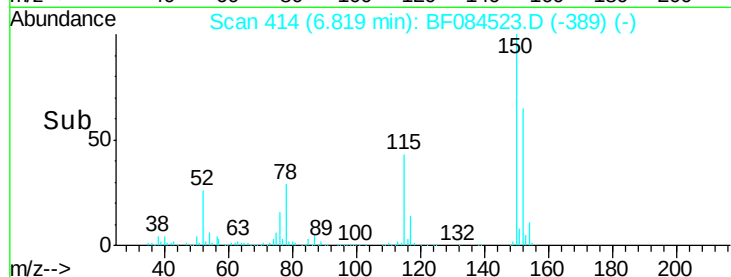
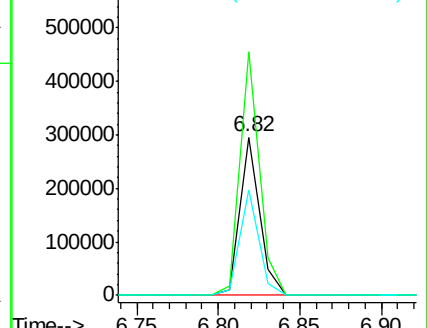
115 66.9 51.4 77.2



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: 123.26 ng

RT: 5.44 min Scan# 293

Delta R.T. 0.00 min

Lab File: BF084523.D

Acq: 16 Jan 2016 6:44

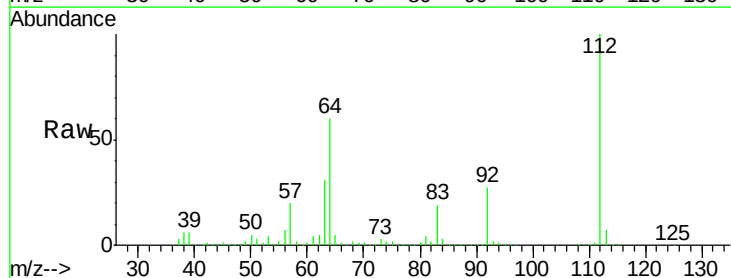
Tgt Ion:112 Resp: 1859181

Ion Ratio Lower Upper

112 100

64 60.4 36.6 55.0#

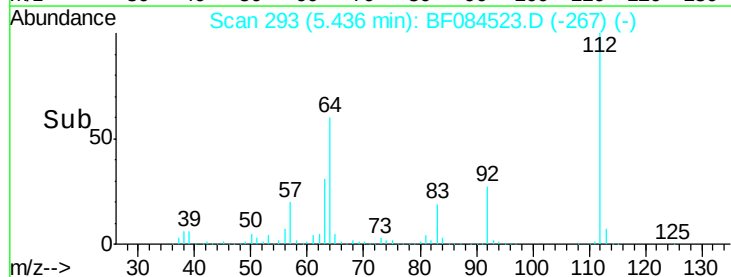
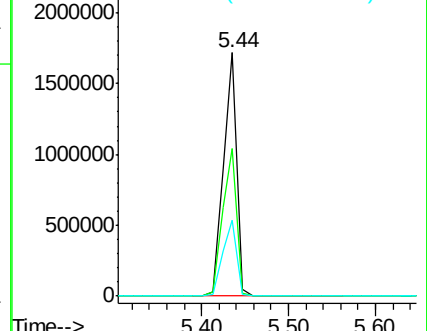
63 31.2 19.4 29.0#

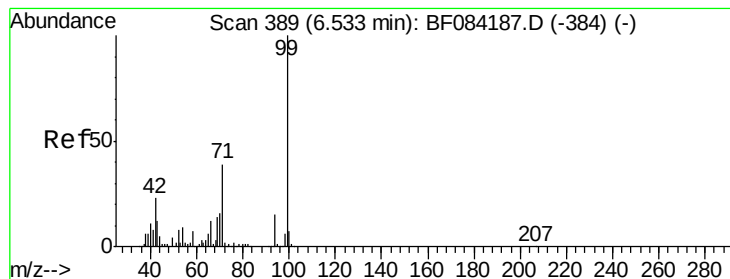


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 104.76 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF084523.D

Acq: 16 Jan 2016 6:44

Instrument :

BNA_F

ClientSampleId :

UST-13

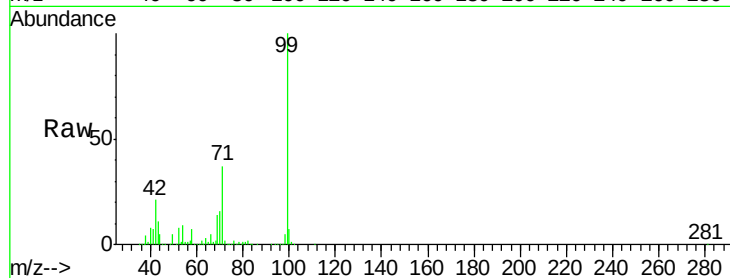
Tgt Ion: 99 Resp: 1984446

Ion Ratio Lower Upper

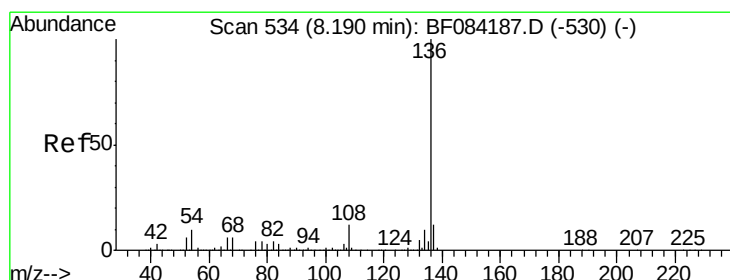
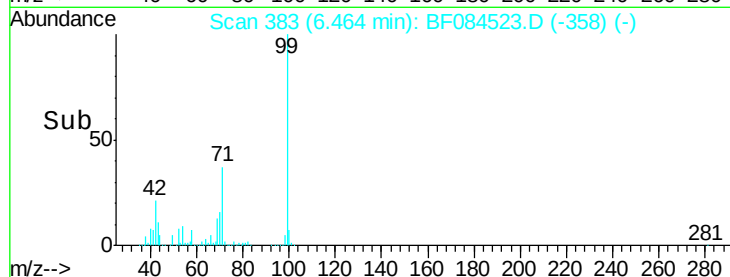
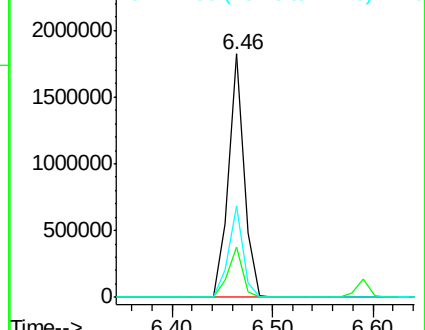
99 100

42 20.8 12.8 19.2#

71 37.3 30.9 46.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.01 min

Lab File: BF084523.D

Acq: 16 Jan 2016 6:44

Tgt Ion: 136 Resp: 961744

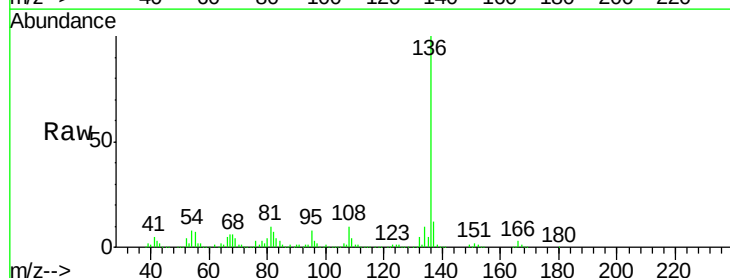
Ion Ratio Lower Upper

136 100

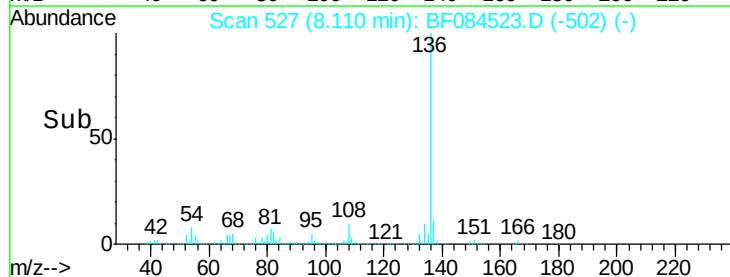
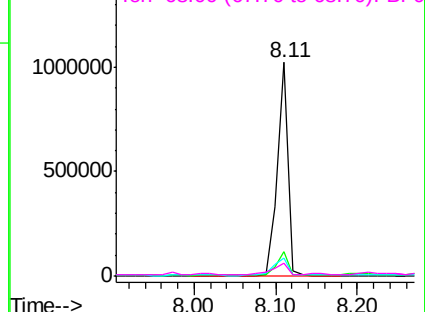
137 11.5 8.7 13.1

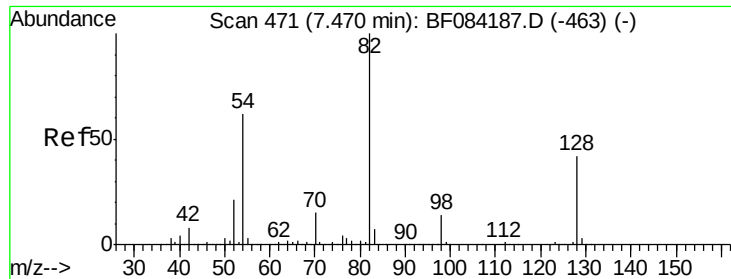
54 8.3 5.8 8.8

68 6.1 4.2 6.2



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

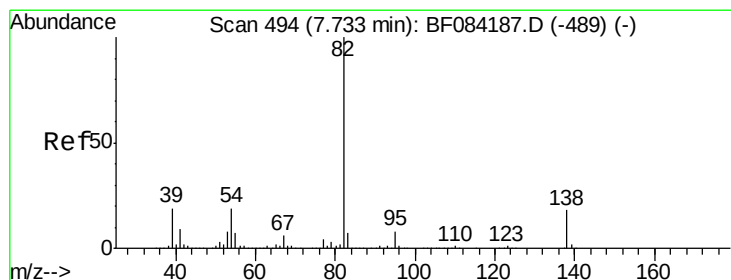
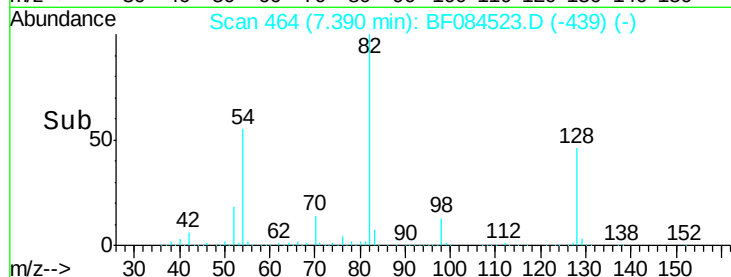
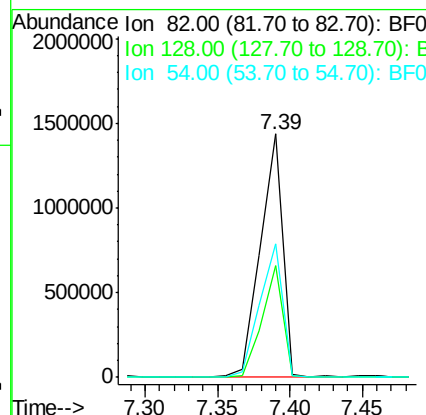
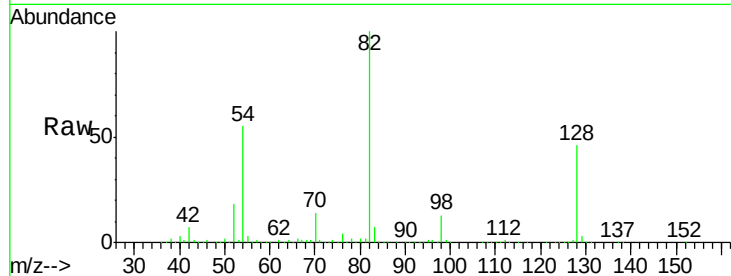




#23
 Nitrobenzene-d5
 Concen: 88.87 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.01 min
 Lab File: BF084523.D
 Acq: 16 Jan 2016 6:44

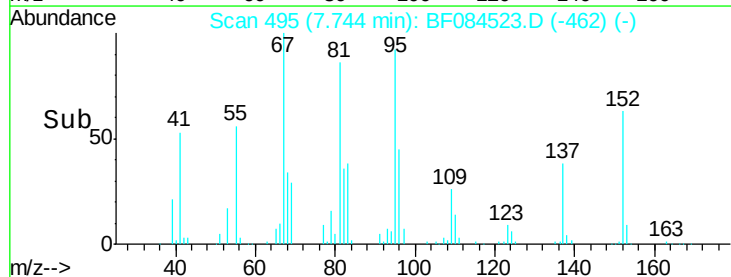
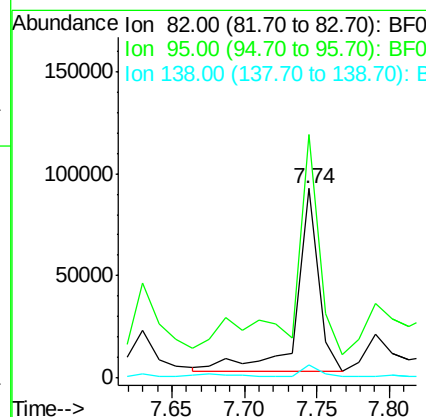
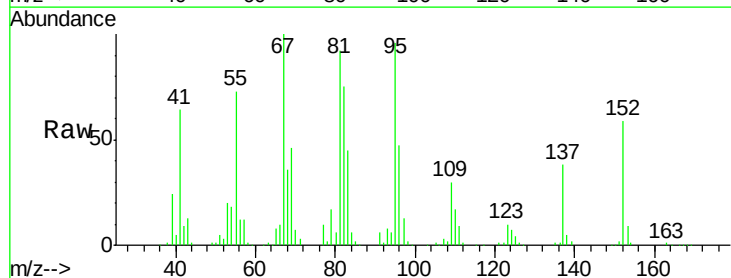
Instrument :
 BNA_F
 ClientSampled :
 UST-13

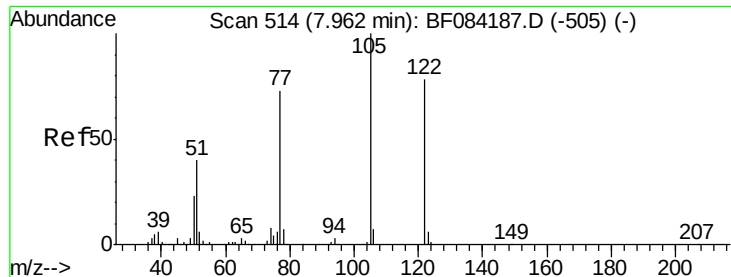
Tgt Ion: 82 Resp: 1535763
 Ion Ratio Lower Upper
 82 100
 128 46.2 34.6 51.8
 54 54.7 38.4 57.6



#25
 Isophorone
 Concen: 2.82 ng
 RT: 7.74 min Scan# 495
 Delta R.T. 0.08 min
 Lab File: BF084523.D
 Acq: 16 Jan 2016 6:44

Tgt Ion: 82 Resp: 93314
 Ion Ratio Lower Upper
 82 100
 95 128.4 6.6 10.0#
 138 6.9 13.6 20.4#

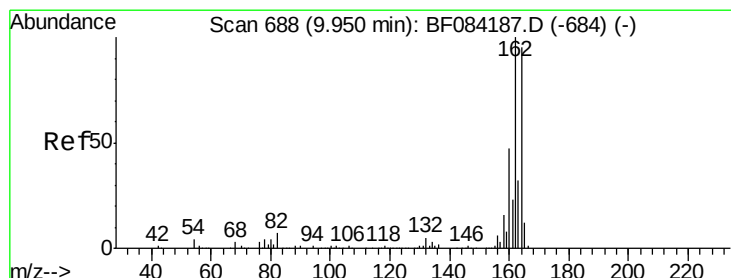
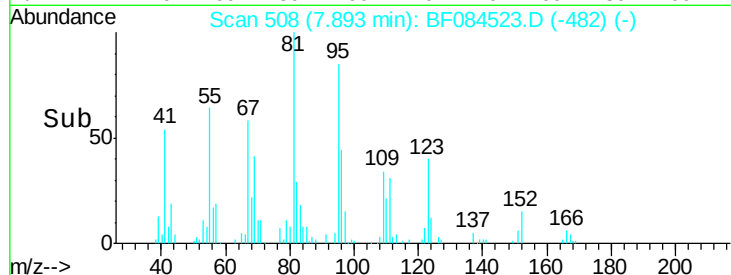
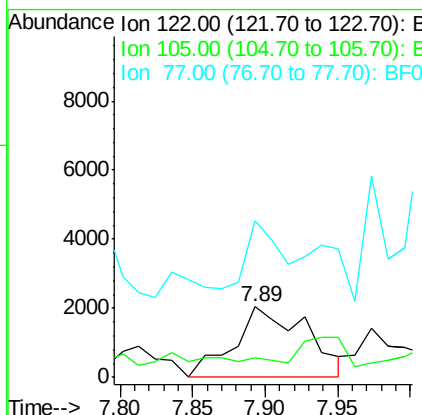
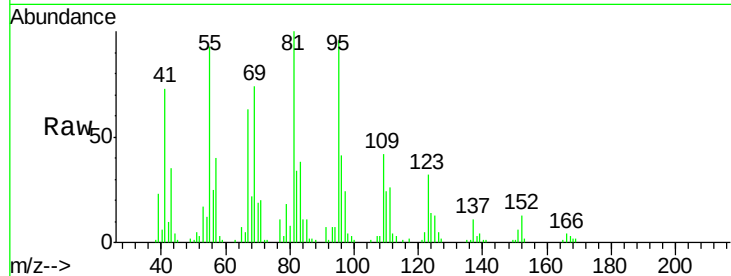




#32
Benzoic acid
Concen: 6.84 ng
RT: 7.89 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF084523.D
Acq: 16 Jan 2016 6:44

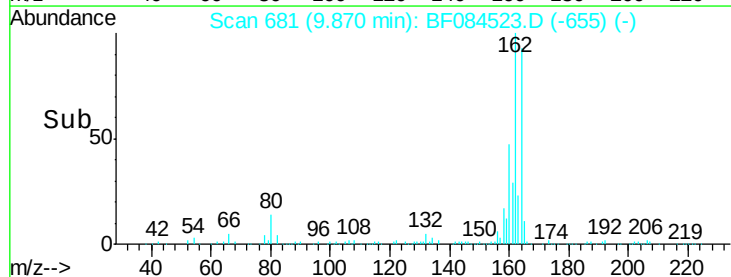
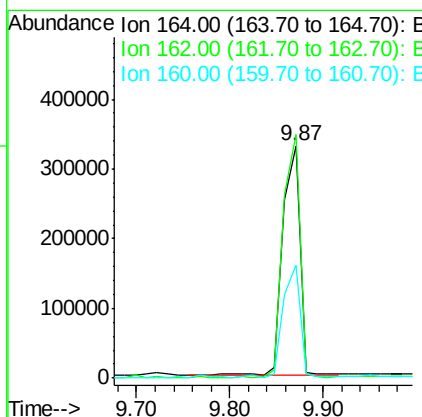
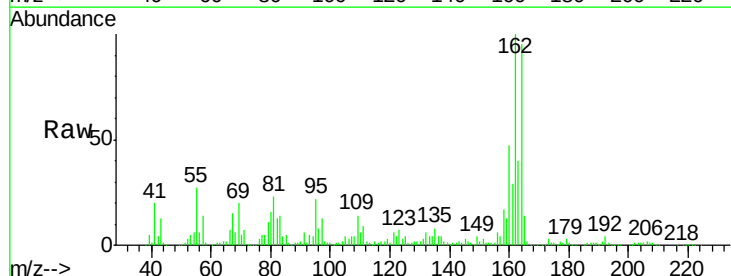
Instrument :
BNA_F
ClientSampled :
UST-13

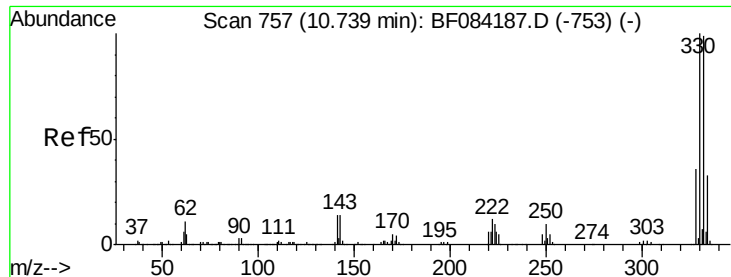
Tgt Ion:122 Resp: 7106
Ion Ratio Lower Upper
122 100
105 28.5 100.3 140.3#
77 223.5 63.5 103.5#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. 0.00 min
Lab File: BF084523.D
Acq: 16 Jan 2016 6:44

Tgt Ion:164 Resp: 416546
Ion Ratio Lower Upper
164 100
162 104.8 85.1 127.7
160 48.8 37.5 56.3

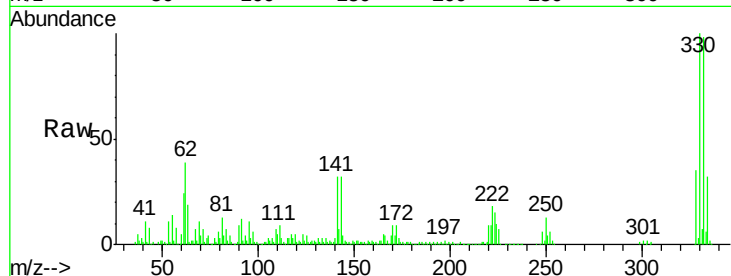




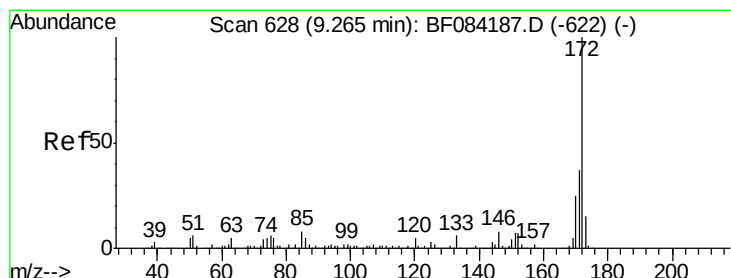
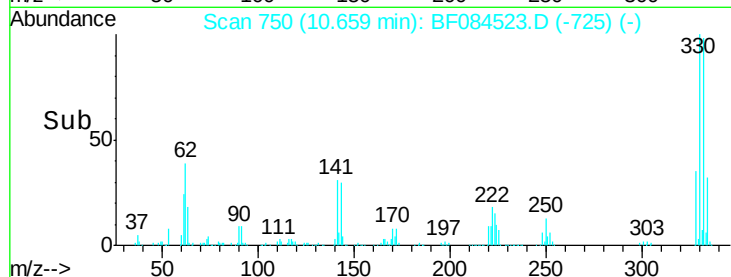
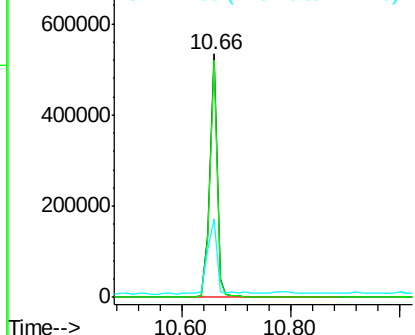
#41
 2,4,6-Tribromophenol
 Concen: 120.19 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: BF084523.D
 Acq: 16 Jan 2016 6:44

Instrument :
 BNA_F
 ClientSampleId :
 UST-13

Tgt Ion:330 Resp: 505428
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 114.8
 141 39.7 27.8 41.6

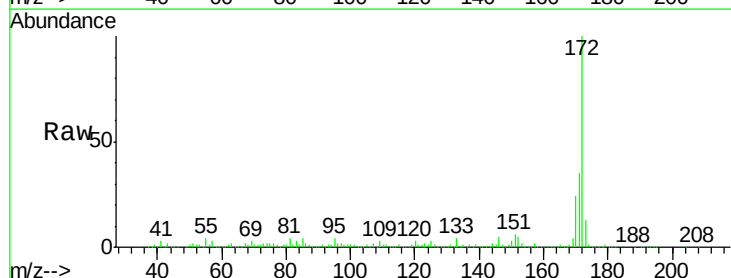


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

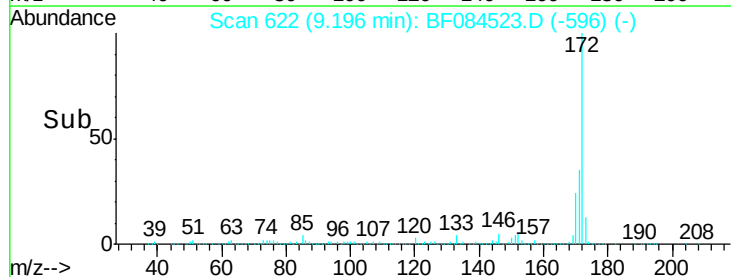
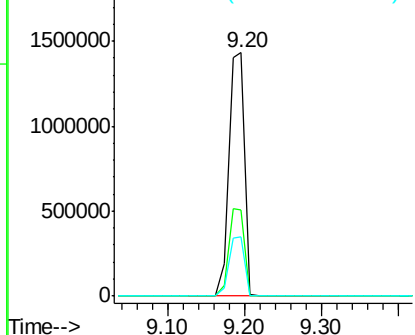


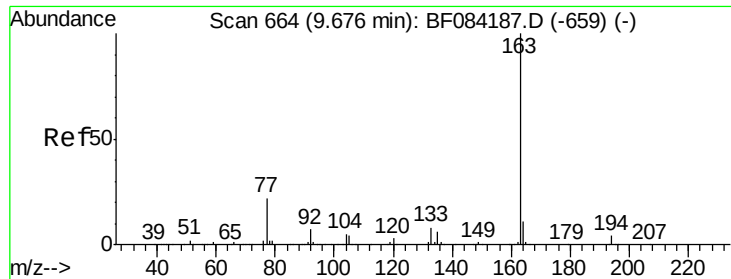
#44
 2-Fluorobiphenyl
 Concen: 89.03 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF084523.D
 Acq: 16 Jan 2016 6:44

Tgt Ion:172 Resp: 2101061
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.9 43.3
 170 24.3 18.6 27.8



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: 16.92 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.02 min

Lab File: BF084523.D

Acq: 16 Jan 2016 6:44

Instrument :

BNA_F

ClientSampleId :

UST-13

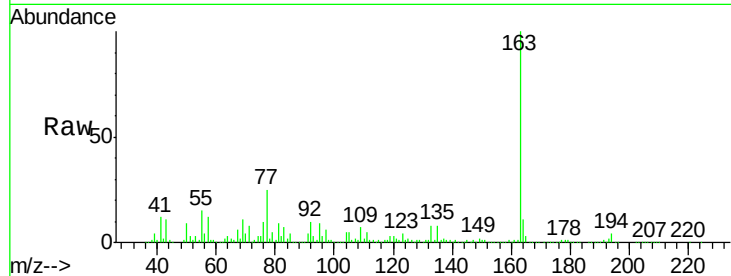
Tgt Ion:163 Resp: 503801

Ion Ratio Lower Upper

163 100

194 3.6 8.0 12.0#

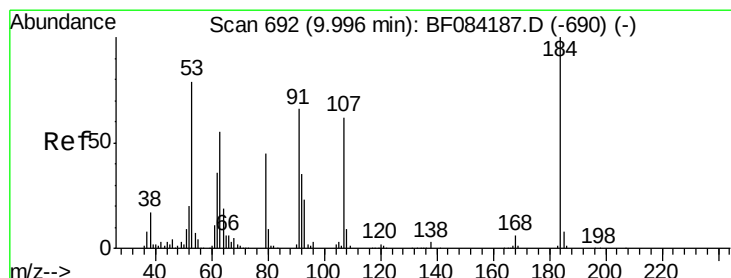
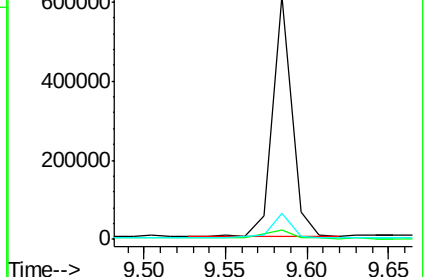
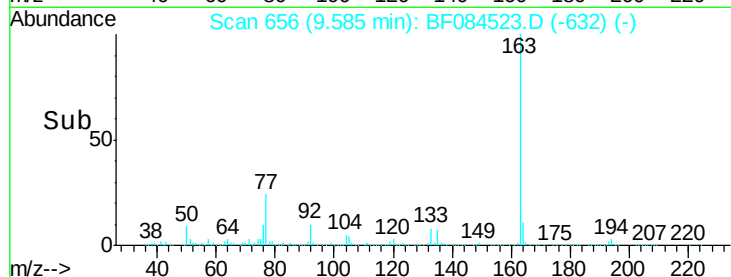
164 10.9 8.0 12.0



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



#53

2,4-Dinitrophenol

Concen: 3.70 ng

RT: 10.09 min Scan# 700

Delta R.T. 0.15 min

Lab File: BF084523.D

Acq: 16 Jan 2016 6:44

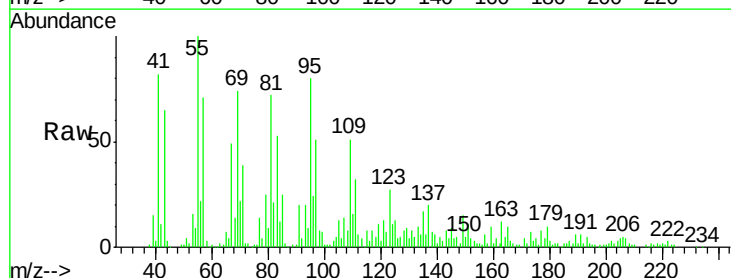
Tgt Ion:184 Resp: 430

Ion Ratio Lower Upper

184 100

63 528.3 43.1 64.7#

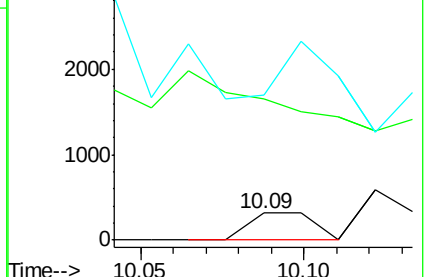
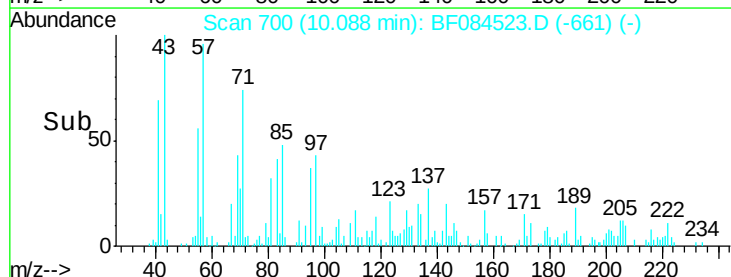
154 539.5 60.5 90.7#

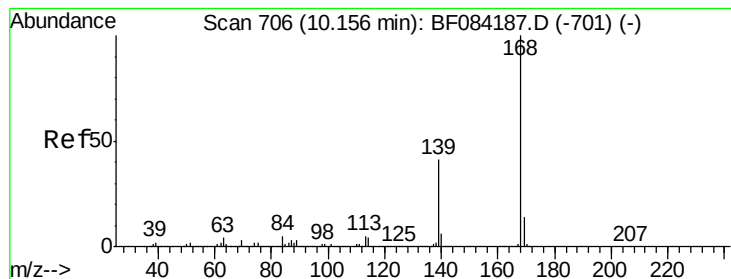


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: Below Cal

RT: 10.06 min Scan# 698

Delta R.T. -0.01 min

Lab File: BF084523.D

Acq: 16 Jan 2016 6:44

Instrument :

BNA_F

ClientSampleId :

UST-13

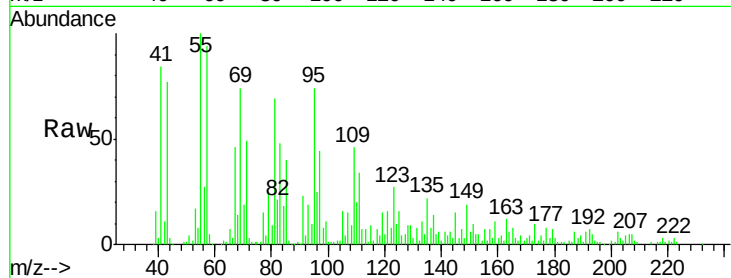
Tgt Ion:168 Resp: 3610

Ion Ratio Lower Upper

168 100

139 162.8 30.5 45.7#

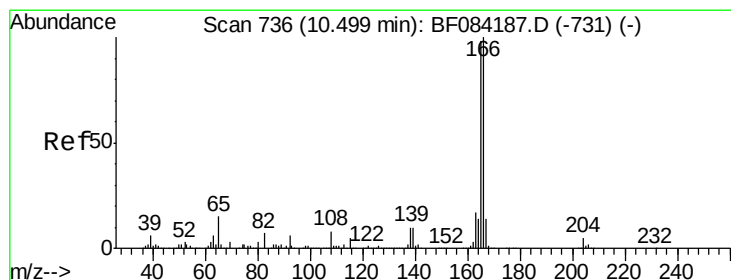
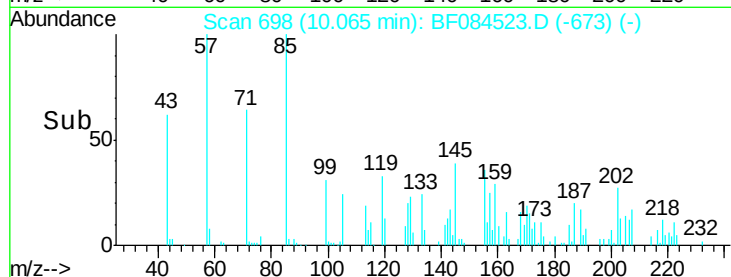
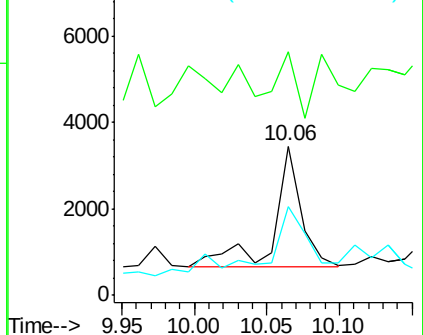
169 59.7 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: Below Cal

RT: 10.41 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF084523.D

Acq: 16 Jan 2016 6:44

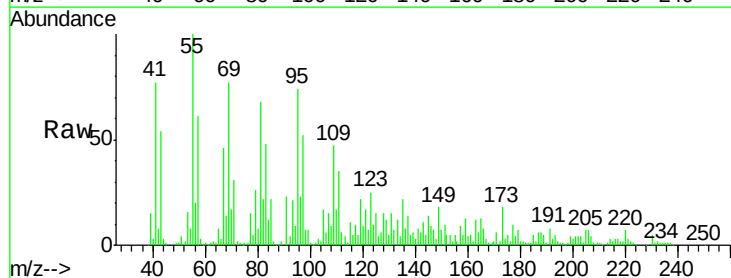
Tgt Ion:166 Resp: 5381

Ion Ratio Lower Upper

166 100

165 168.4 79.1 118.7#

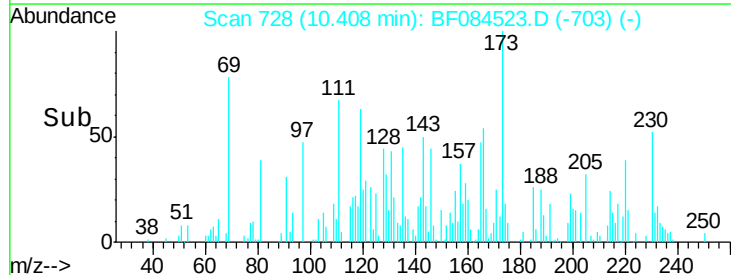
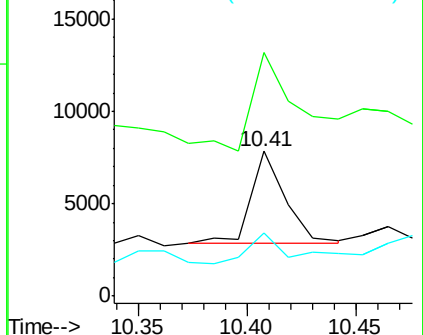
167 43.3 10.4 15.6#

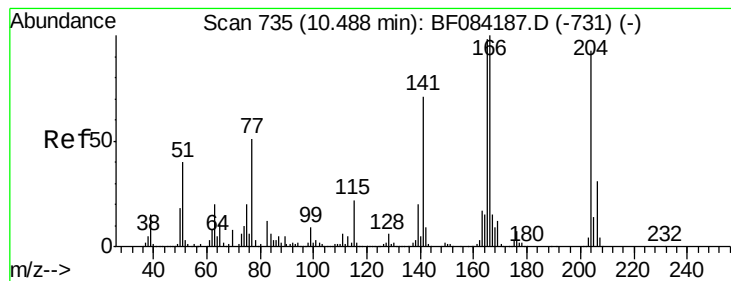


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.42 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF084523.D

Acq: 16 Jan 2016 6:44

Instrument :

BNA_F

ClientSampleId :

UST-13

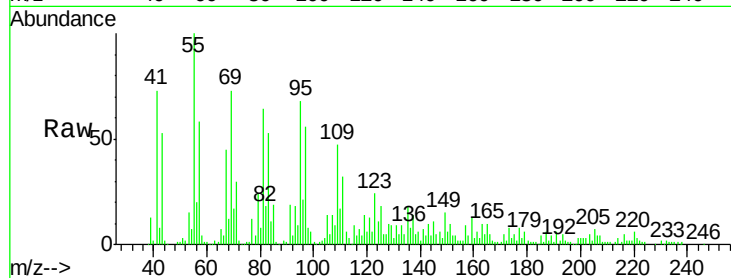
Tgt Ion:204 Resp: 1451

Ion Ratio Lower Upper

204 100

206 184.4 25.7 38.5#

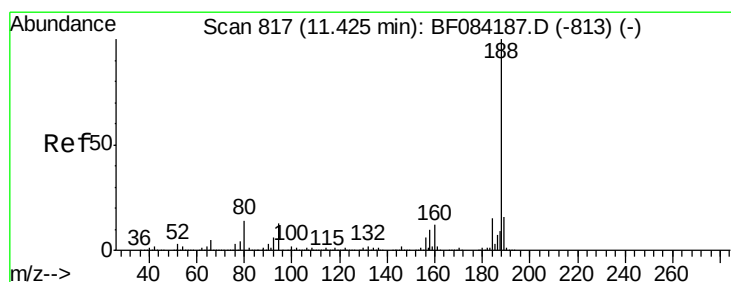
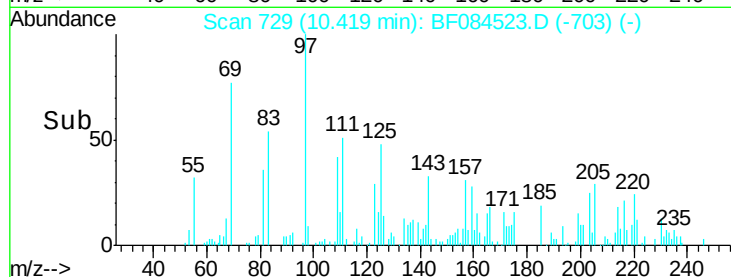
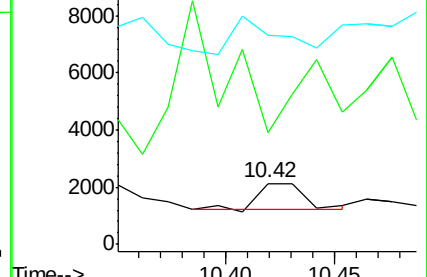
141 344.9 55.1 82.7#



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF084523.D

Acq: 16 Jan 2016 6:44

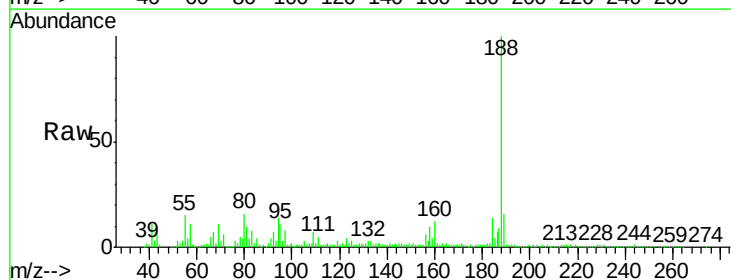
Tgt Ion:188 Resp: 701945

Ion Ratio Lower Upper

188 100

94 14.2 9.0 13.4#

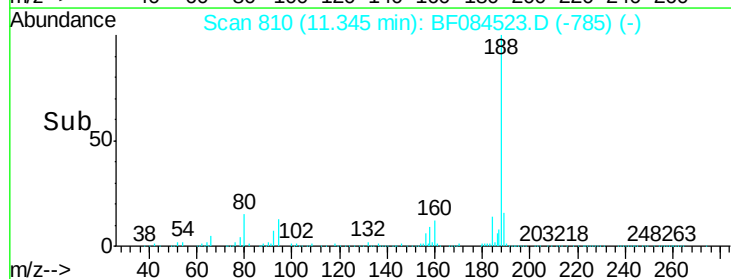
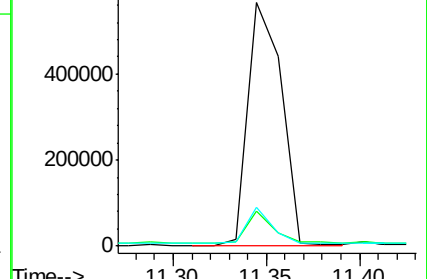
80 15.9 9.6 14.4#

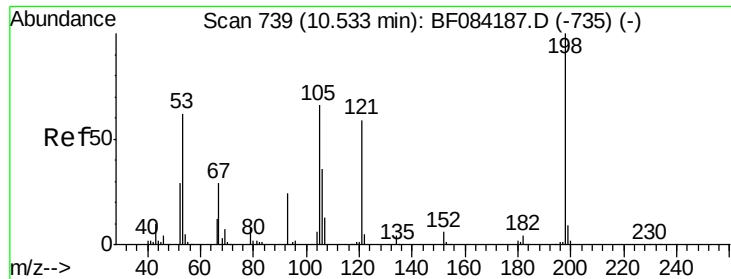


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 6.48 ng

RT: 10.48 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF084523.D

Acq: 16 Jan 2016 6:44

Instrument :

BNA_F

ClientSampleId :

UST-13

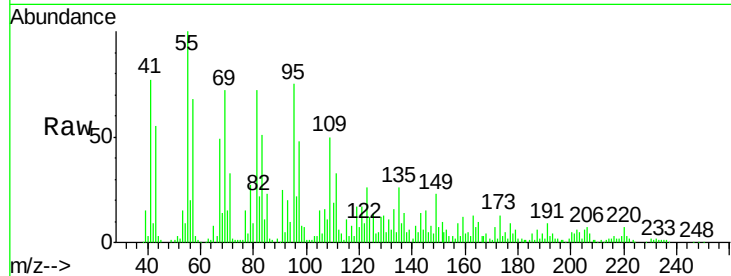
Tgt Ion:198 Resp: 306

Ion Ratio Lower Upper

198 100

51 741.7 18.9 58.9#

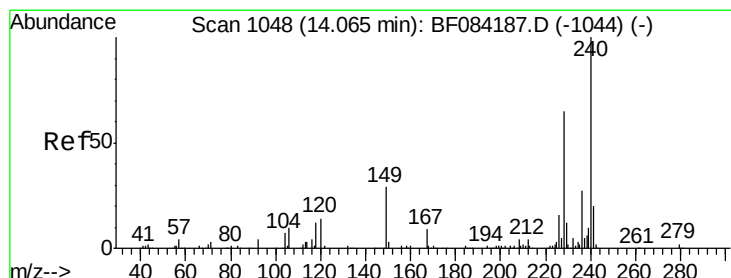
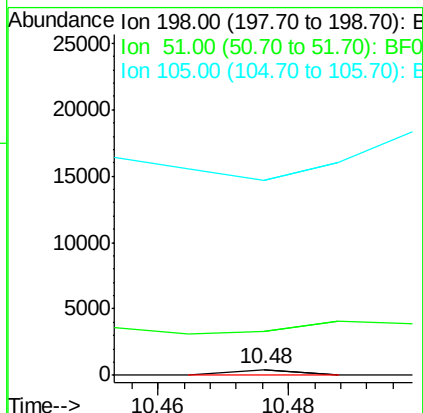
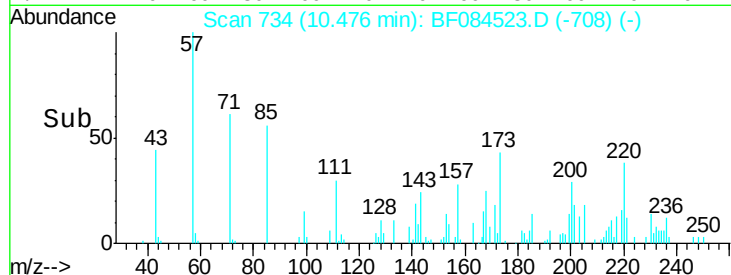
105 3291.7 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084523.D

Acq: 16 Jan 2016 6:44

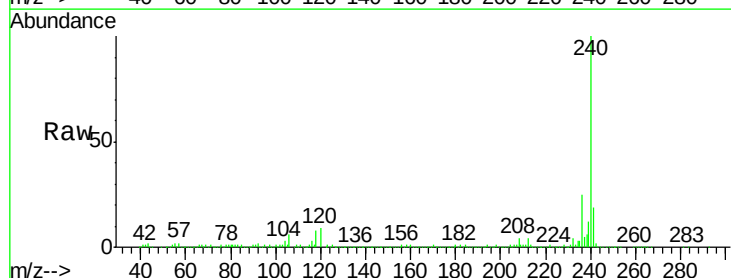
Tgt Ion:240 Resp: 593921

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

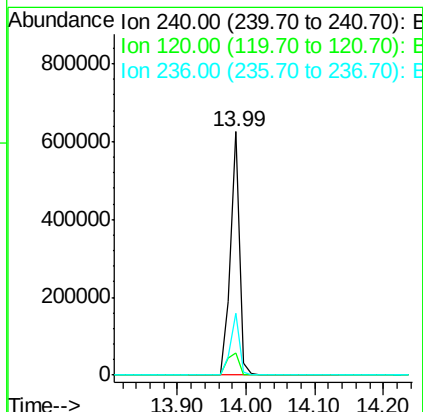
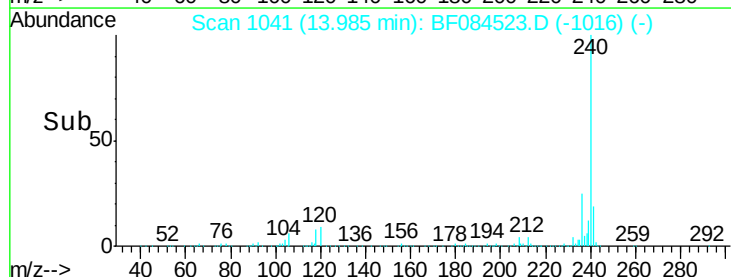
236 25.4 20.6 31.0

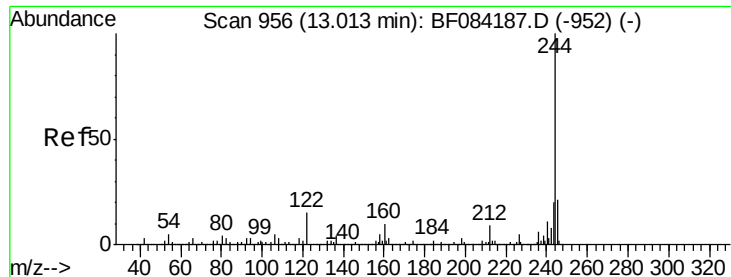


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 62.44 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF084523.D

Acq: 16 Jan 2016 6:44

Instrument :

BNA_F

ClientSampleId :

UST-13

Tgt Ion:244 Resp: 1661318

Ion Ratio Lower Upper

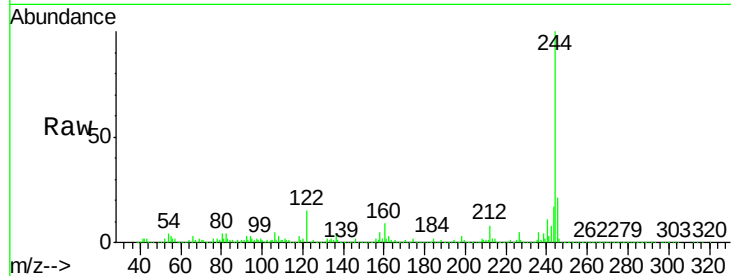
244 100

212 7.7

122 15.2

5.7 8.5

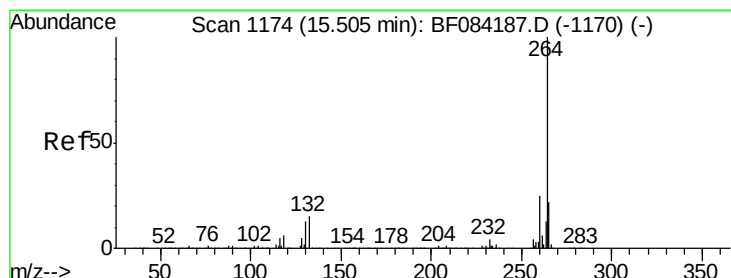
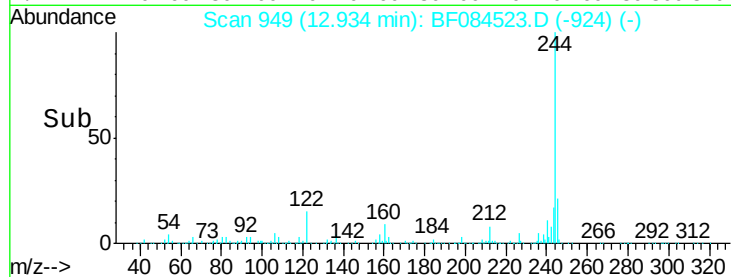
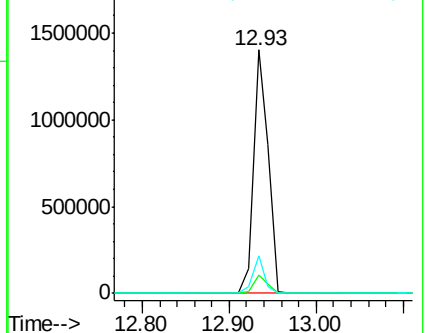
7.4 11.0#



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: 15.40 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF084523.D

Acq: 16 Jan 2016 6:44

Tgt Ion:264 Resp: 525557

Ion Ratio Lower Upper

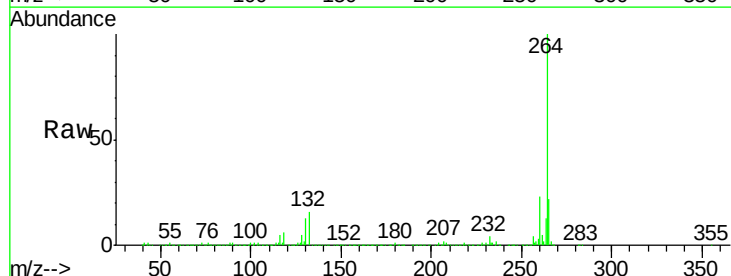
264 100

260 23.0

265 21.8

19.4 29.2

17.8 26.6



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

