

Data Path : Z:\HPCHEM1\BNA F\Data\BF052916\
 Data File : BF087580.D
 Acq On : 31 May 2016 8:28
 Operator : UM/SJ
 Sample : H3323-06
 Misc :
 ALS Vial : 98 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 14:24:25 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

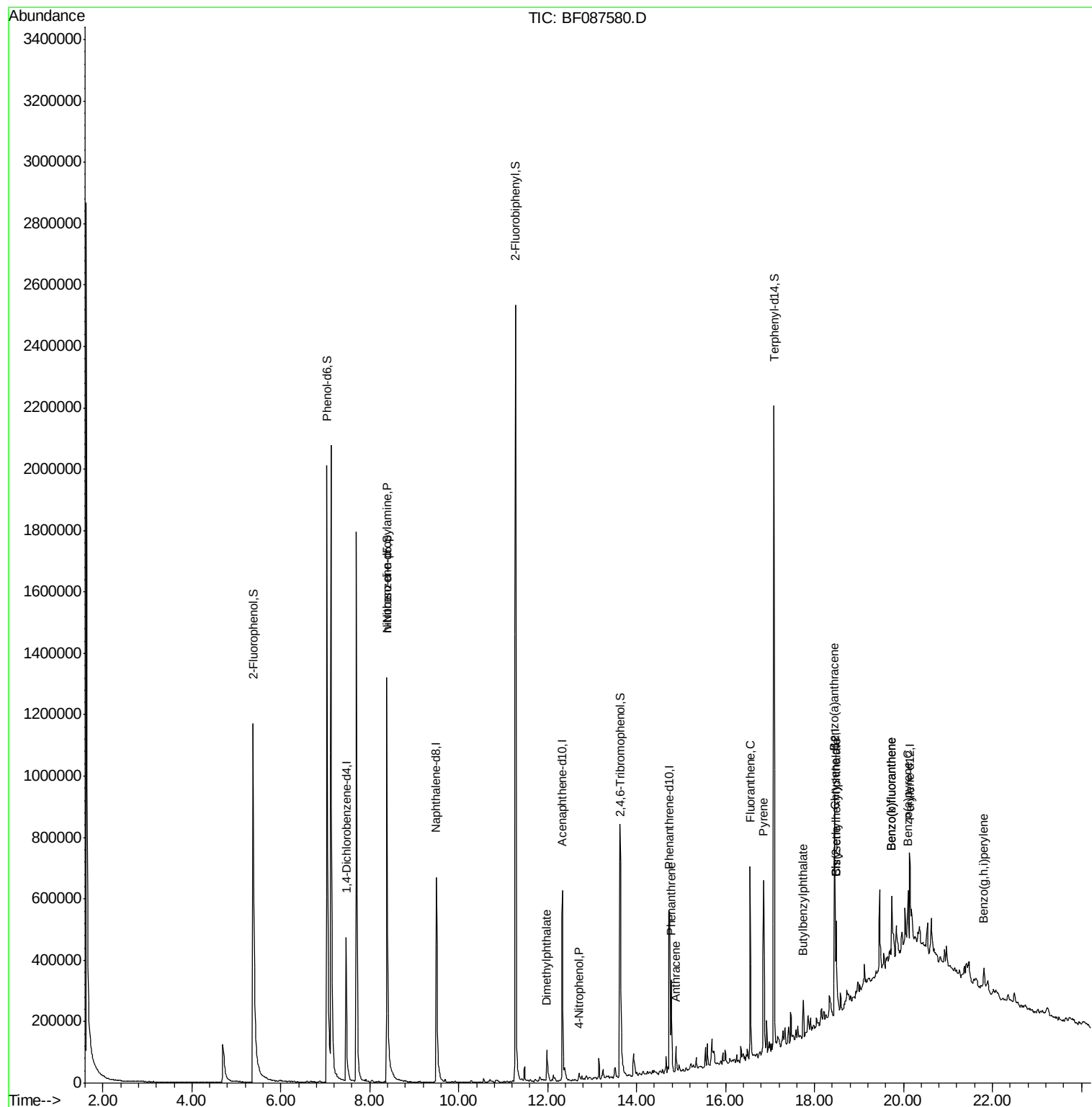
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	126754	20.00	ng	-0.05
21) Naphthalene-d8	9.50	136	488515	20.00	ng	-0.06
38) Acenaphthene-d10	12.33	164	199086	20.00	ng	-0.06
63) Phenanthrene-d10	14.74	188	327616	20.00	ng	-0.03
75) Chrysene-d12	18.46	240	262696	20.00	ng	-0.02
86) Perylene-d12	20.15	264	190739	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	712987	98.84	ng	-0.03
7) Phenol-d6	7.04	99	956698	98.15	ng	-0.03
23) Nitrobenzene-d5	8.39	82	629376	64.93	ng	-0.06
41) 2,4,6-Tribromophenol	13.63	330	156443	81.77	ng	-0.05
44) 2-Fluorobiphenyl	11.28	172	1037308	73.45	ng	-0.06
78) Terphenyl-d14	17.09	244	738617	59.78	ng	-0.05
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.39	70	79643	10.96	ng	# 75
49) Dimethylphthalate	11.98	163	69351	4.35	ng	97
55) 4-Nitrophenol	12.71	139	5608	3.56	ng	# 22
70) Phenanthrene	14.78	178	188553	10.39	ng	98
71) Anthracene	14.88	178	56659	3.09	ng	99
74) Fluoranthene	16.55	202	347109	19.07	ng	93
77) Pyrene	16.86	202	311636	16.48	ng	98
79) Butylbenzylphthalate	17.75	149	26163	3.12	ng	# 73
80) Benzo(a)anthracene	18.45	228	141412	9.46	ng	99
82) Chrysene	18.49	228	130332	8.79	ng	99
83) Bis(2-ethylhexyl)phthalate	18.49	149	32052	2.62	ng	98
87) Benzo(b)fluoranthene	19.74	252	186242	15.33	ng	97
88) Benzo(k)fluoranthene	19.74	252	186242	17.81	ng	96
89) Benzo(a)pyrene	20.10	252	96789	9.21	ng	93
91) Benzo(a,h,i)perylene	21.81	276	46713	5.28	ng	94

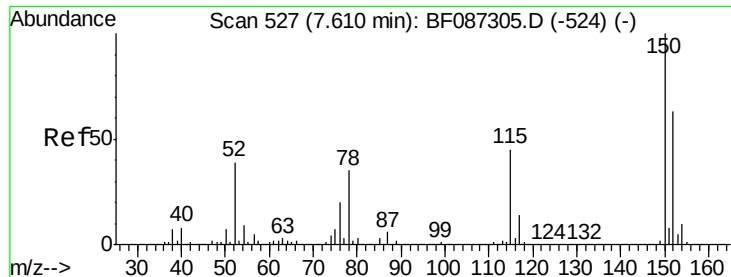
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.47 min Scan# 515

Delta R.T. -0.05 min

Lab File: BF087580.D

Acq: 31 May 2016 8:28

Instrument :

BNA_F

ClientSampleId :

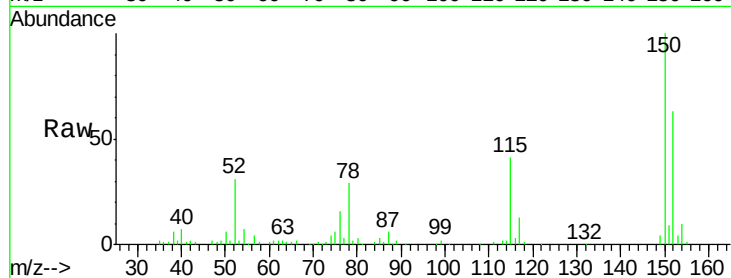
Tot Ion:152 Resp: 126754

Ion Ratio Lower Upper

152 100

150 158.1 125.8 188.6

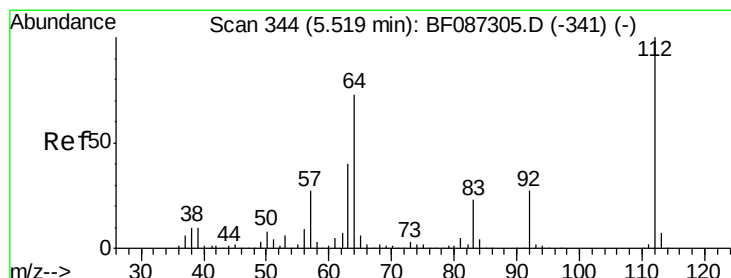
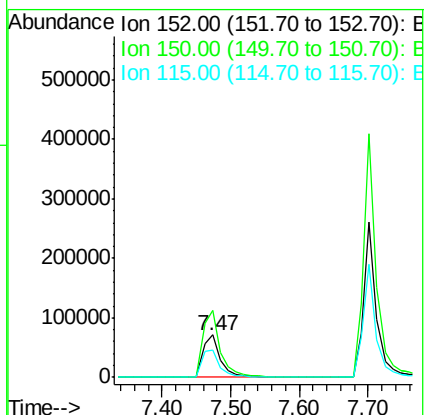
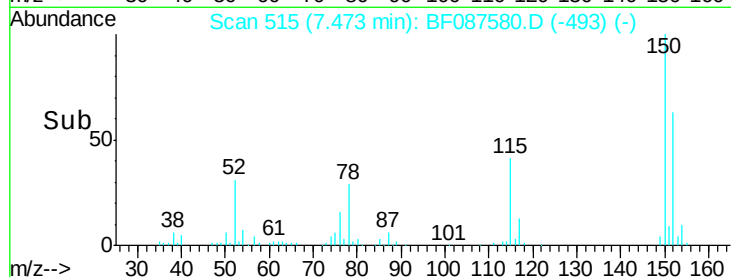
115 64.3 51.5 77.3



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: 98.84 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.03 min

Lab File: BF087580.D

Acq: 31 May 2016 8:28

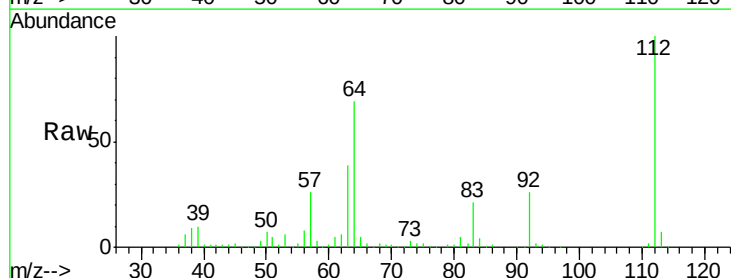
Tgt Ion:112 Resp: 712987

Ion Ratio Lower Upper

112 100

64 68.5 52.1 78.1

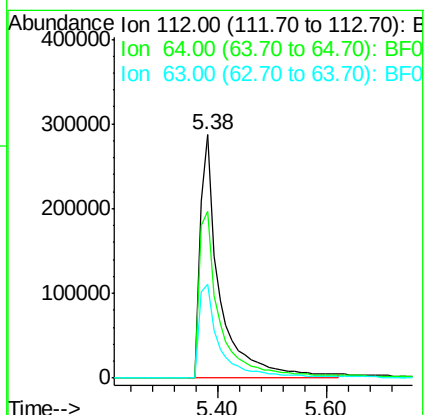
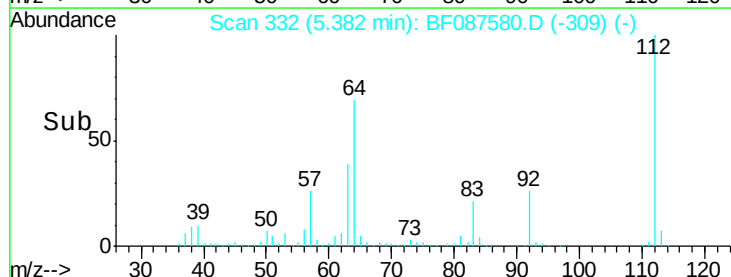
63 38.6 25.7 38.5#

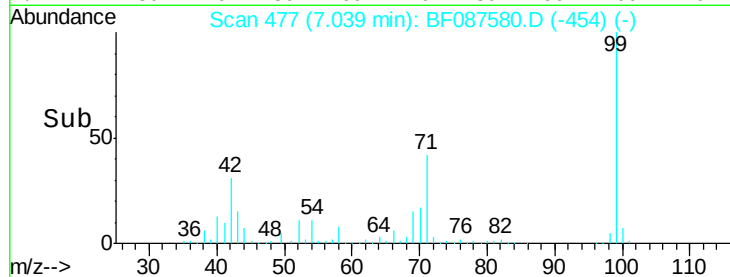
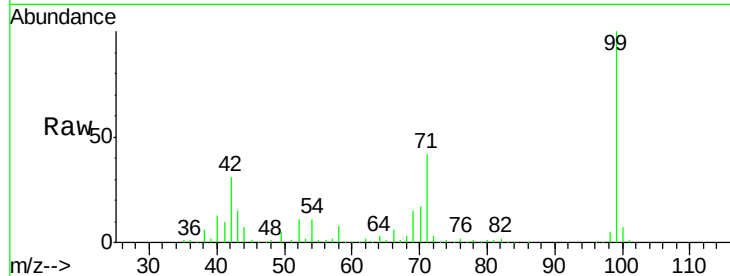
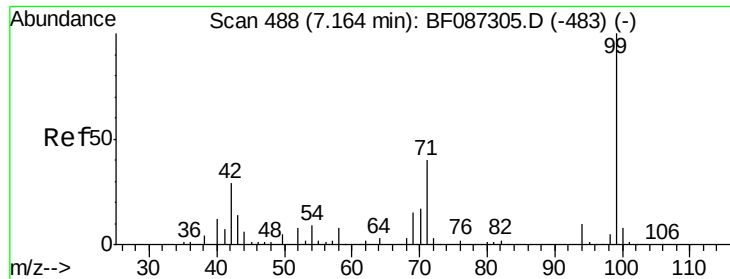


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.15 ng

RT: 7.04 min Scan# 477

Delta R.T. -0.03 min

Lab File: BF087580.D

Acq: 31 May 2016 8:28

Instrument :

BNA_F

ClientSampleId :

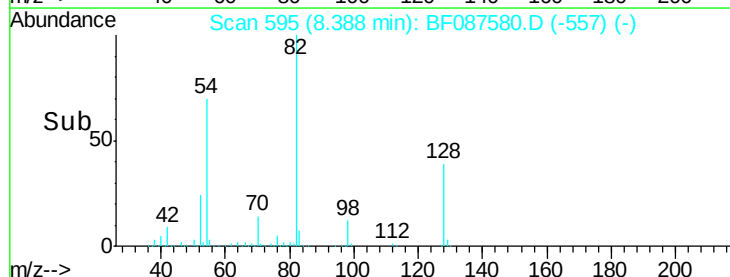
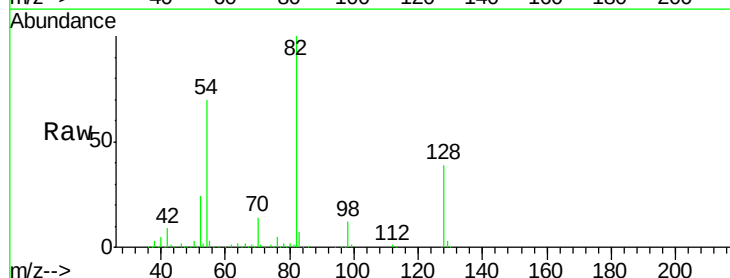
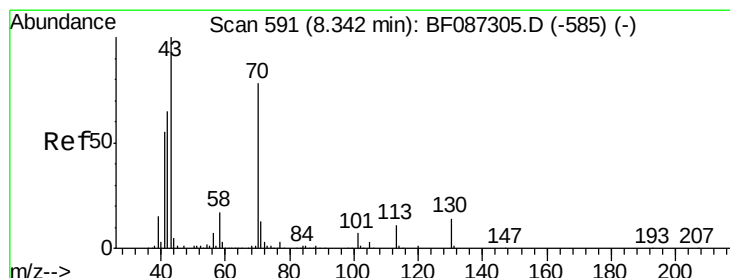
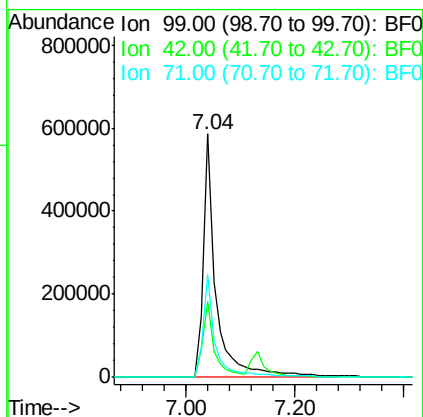
Tot Ion: 99 Resp: 956698

Ion Ratio Lower Upper

99 100

42 31.0 13.6 20.4#

71 42.4 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 10.96 ng

RT: 8.39 min Scan# 595

Delta R.T. 0.14 min

Lab File: BF087580.D

Acq: 31 May 2016 8:28

Tgt Ion: 70 Resp: 79643

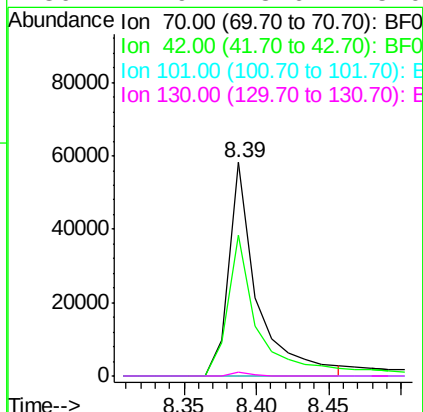
Ion Ratio Lower Upper

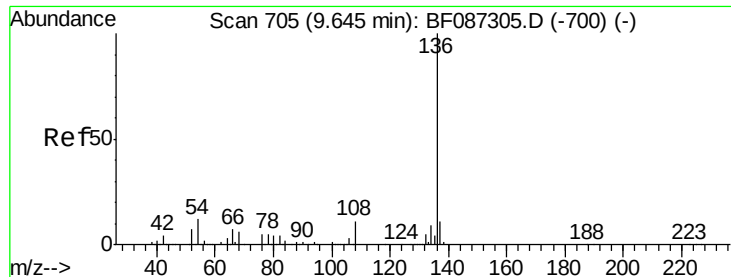
70 100

42 65.7 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.50 min Scan# 692

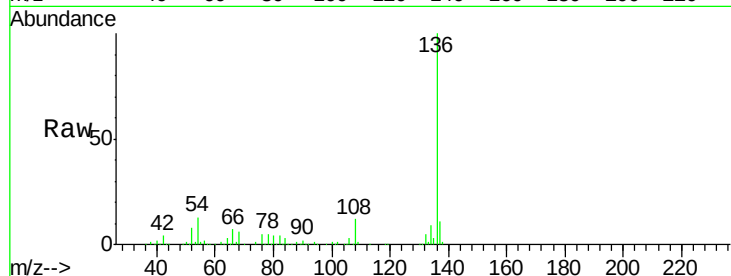
Delta R.T. -0.06 min

Lab File: BF087580.D

Acq: 31 May 2016 8:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	488515
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.8 13.2
54	12.8	5.0 7.4#
68	6.2	4.4 6.6

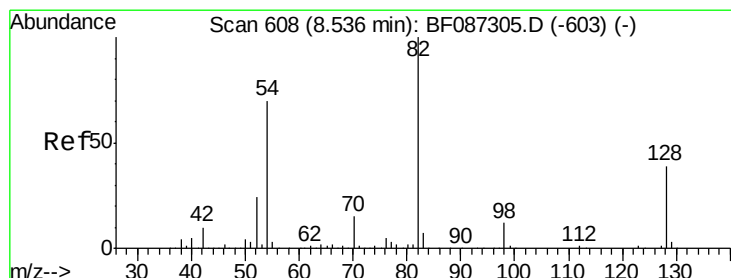
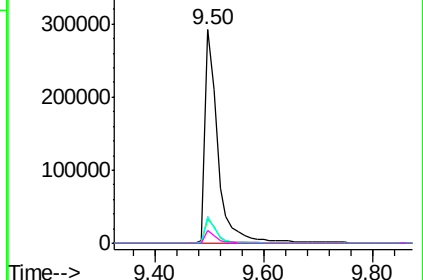
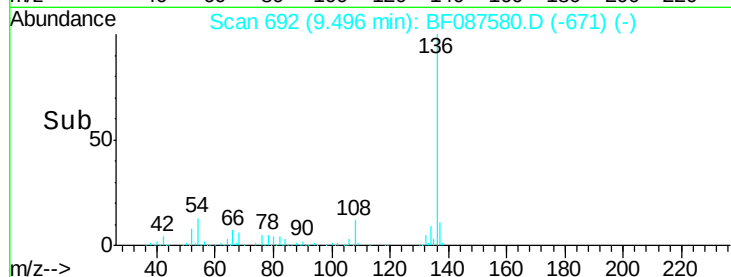


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.93 ng

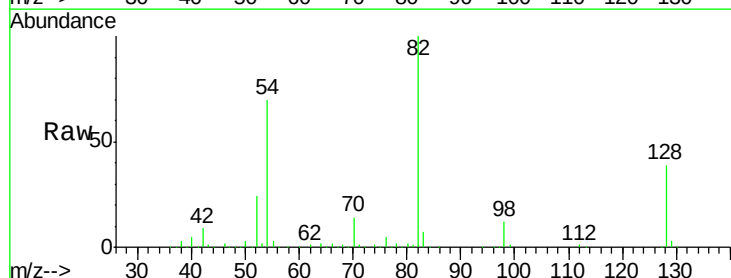
RT: 8.39 min Scan# 595

Delta R.T. -0.06 min

Lab File: BF087580.D

Acq: 31 May 2016 8:28

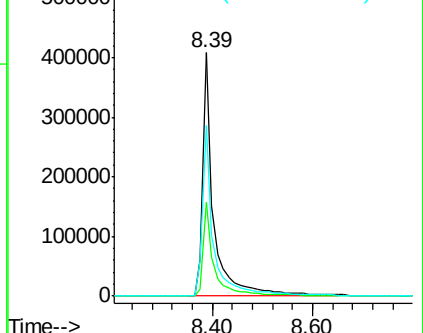
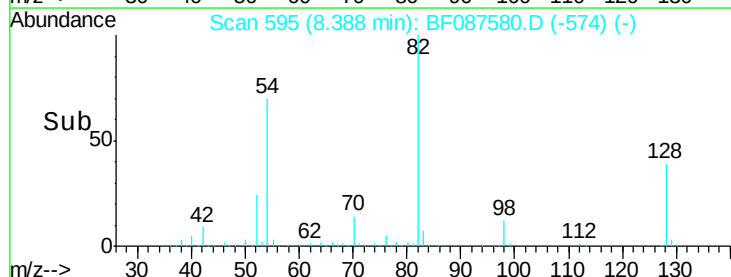
Tgt Ion: 82	Resp:	629376
Ion Ratio	Lower	Upper
82	100	
128	38.6	40.6 61.0#
54	70.2	38.1 57.1#

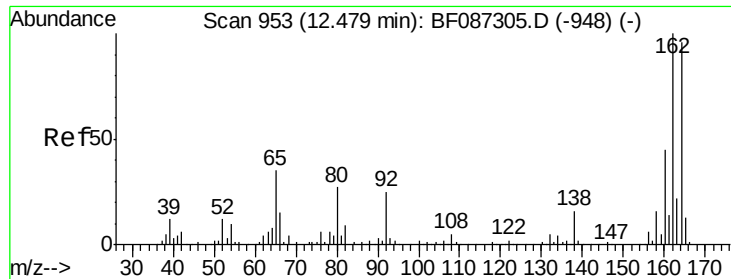


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

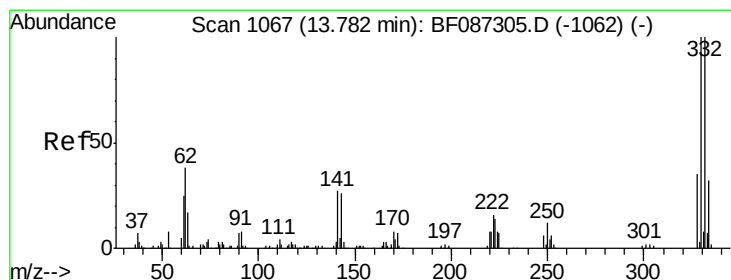
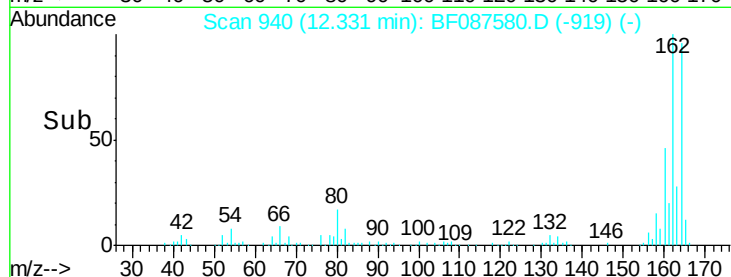
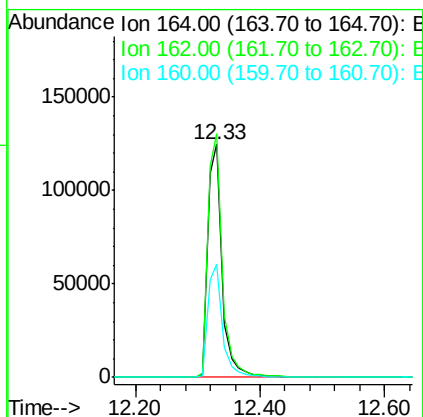
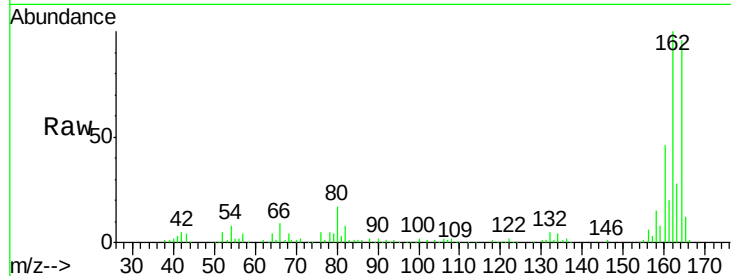




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.33 min Scan# 940
 Delta R.T. -0.06 min
 Lab File: BF087580.D
 Acq: 31 May 2016 8:28

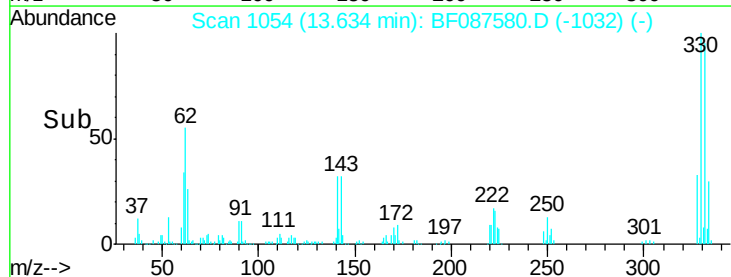
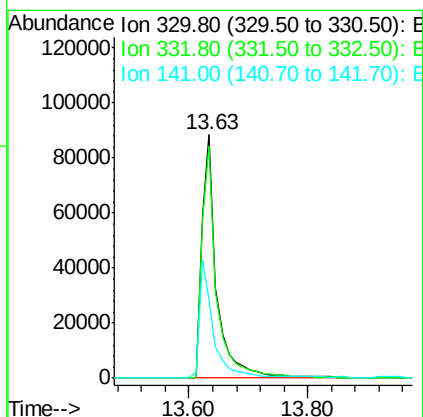
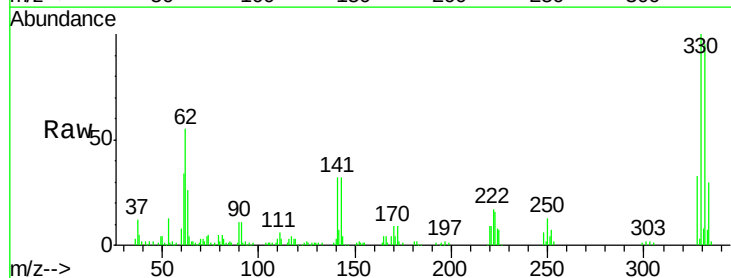
Instrument :
 BNA_F
 ClientSampleId :

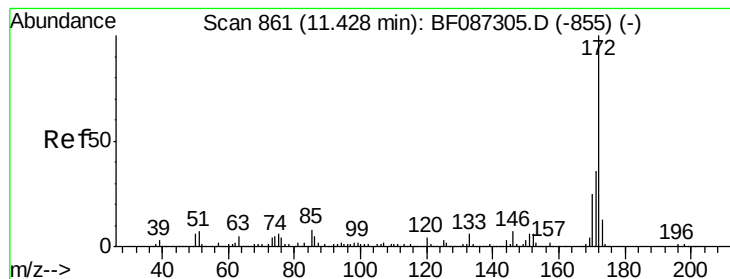
Tot Ion:164 Resp: 199086
 Ion Ratio Lower Upper
 164 100
 162 104.5 82.8 124.2
 160 48.4 36.9 55.3



#41
 2,4,6-Tribromophenol
 Concen: 81.77 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. -0.05 min
 Lab File: BF087580.D
 Acq: 31 May 2016 8:28

Tgt Ion:330 Resp: 156443
 Ion Ratio Lower Upper
 330 100
 332 96.4 79.0 118.4
 141 46.1 31.2 46.8





#44

2-Fluorobiphenyl

Concen: 73.45 ng

RT: 11.28 min Scan# 848

Delta R.T. -0.06 min

Lab File: BF087580.D

Acq: 31 May 2016 8:28

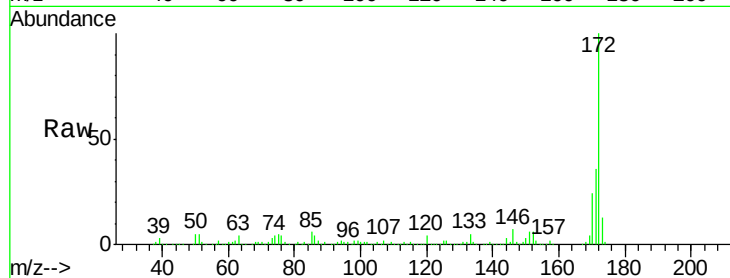
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1037308

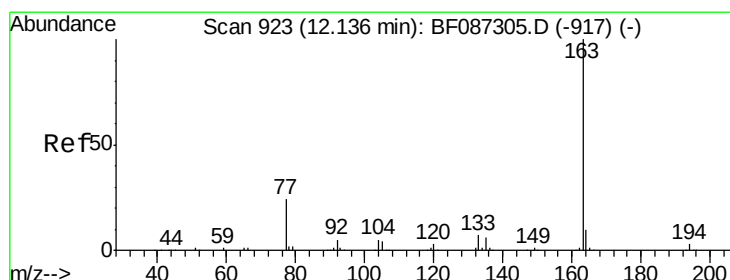
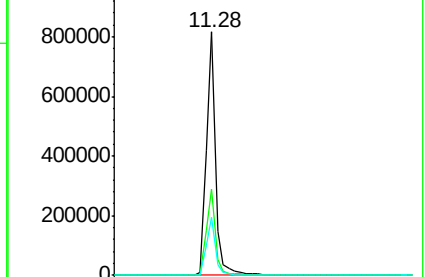
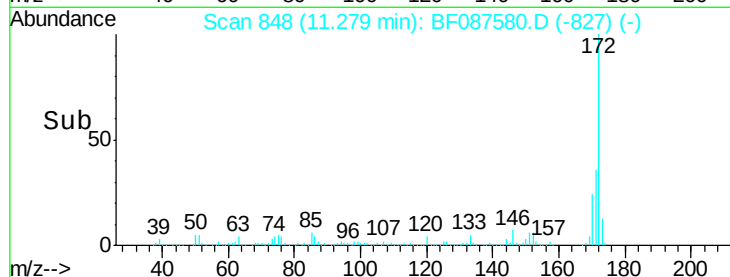
Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.6
170	24.0	19.8	29.8



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: 4.35 ng

RT: 11.98 min Scan# 909

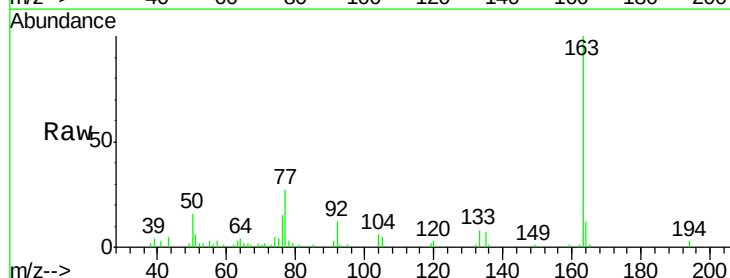
Delta R.T. -0.07 min

Lab File: BF087580.D

Acq: 31 May 2016 8:28

Tgt Ion:163 Resp: 69351

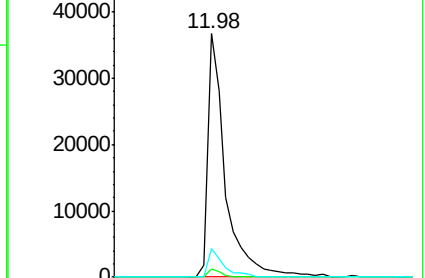
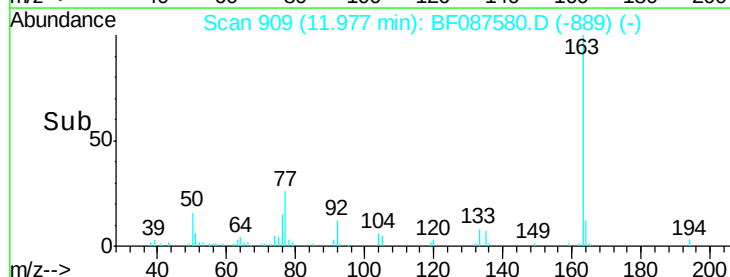
Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	11.6	8.2	12.4

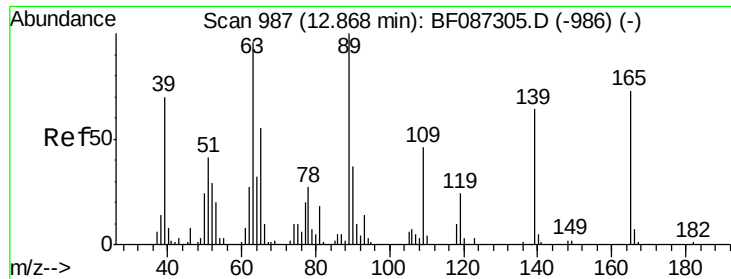


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

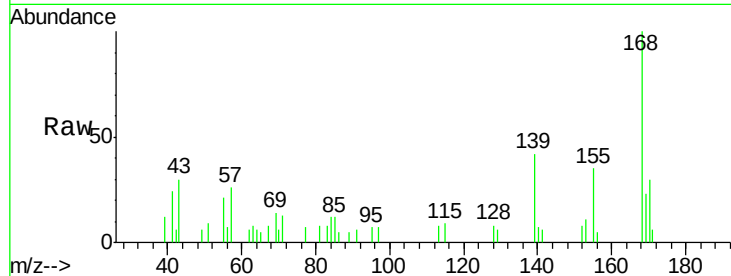




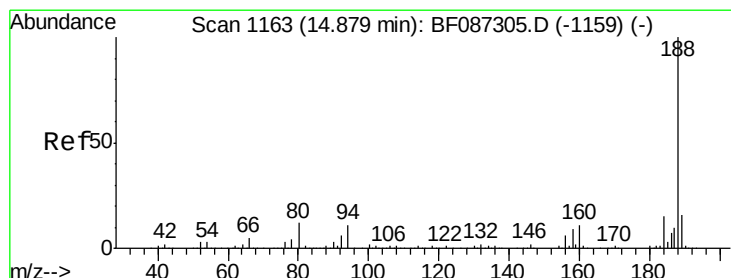
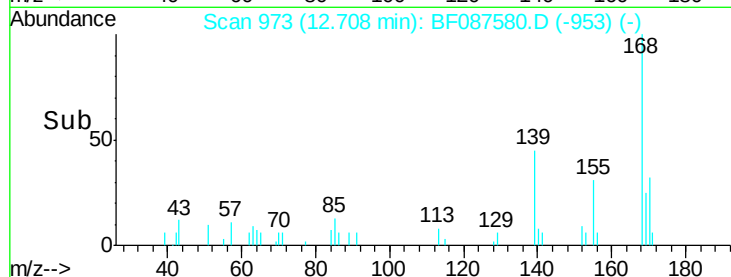
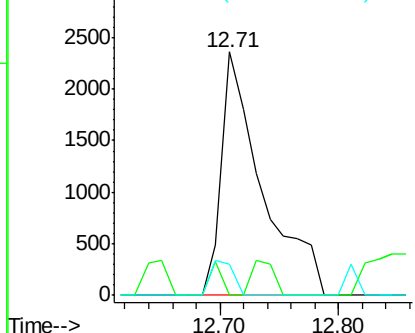
#55
4-Nitrophenol
Concen: 3.56 ng
RT: 12.71 min Scan# 973
Delta R.T. -0.07 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 5608
Ion Ratio Lower Upper
139 100
109 0.0 36.9 76.9#
65 13.0 64.0 104.0#

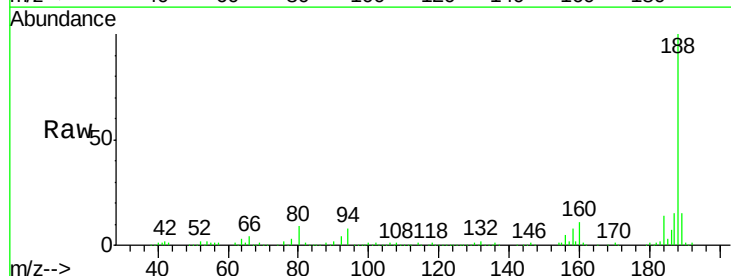


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

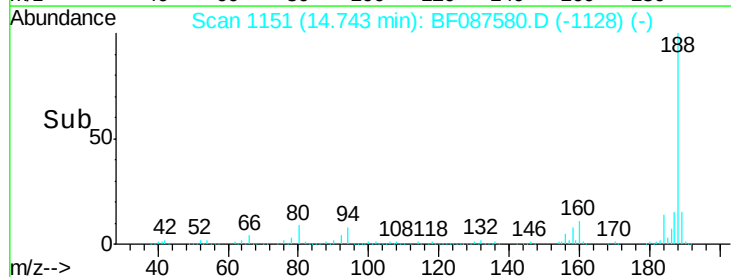
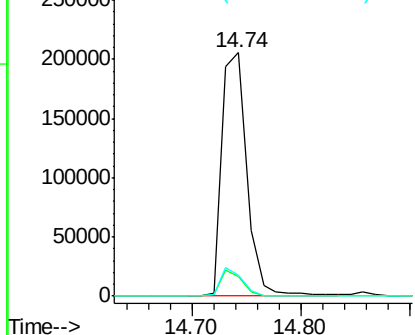


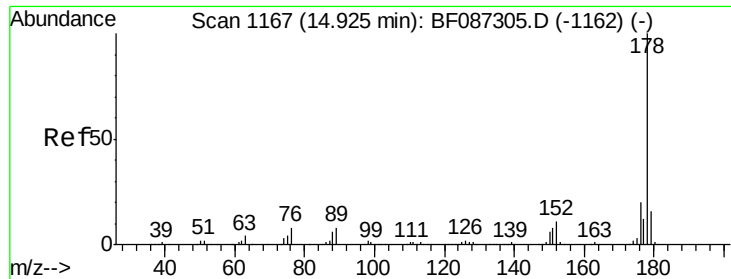
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Tgt Ion:188 Resp: 327616
Ion Ratio Lower Upper
188 100
94 8.0 6.8 10.2
80 8.7 7.1 10.7



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

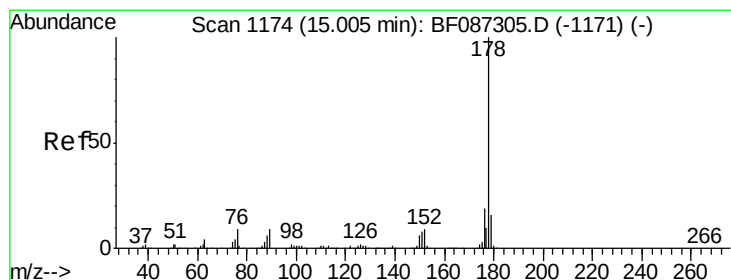
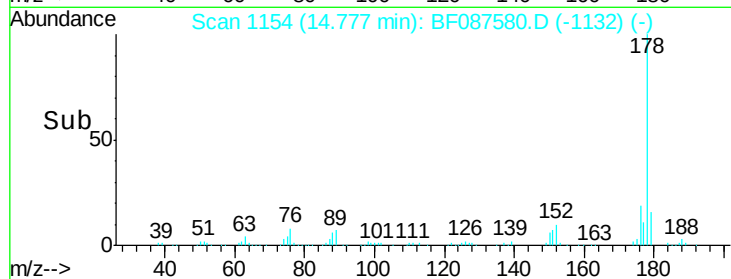
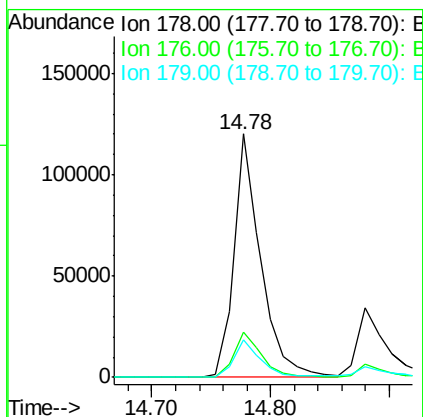
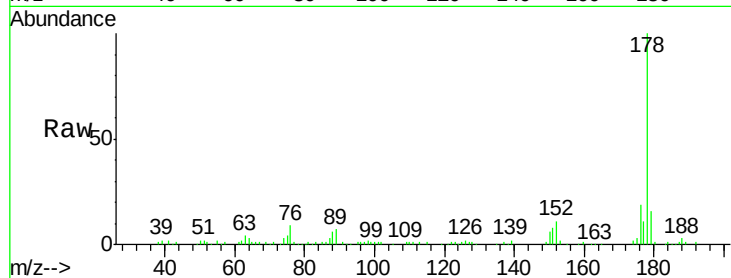




#70
Phenanthrene
Concen: 10.39 ng
RT: 14.78 min Scan# 1154
Delta R.T. -0.05 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

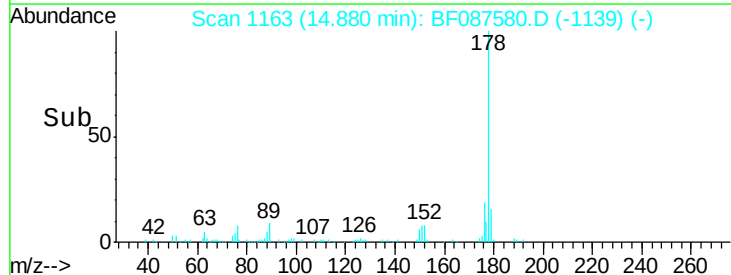
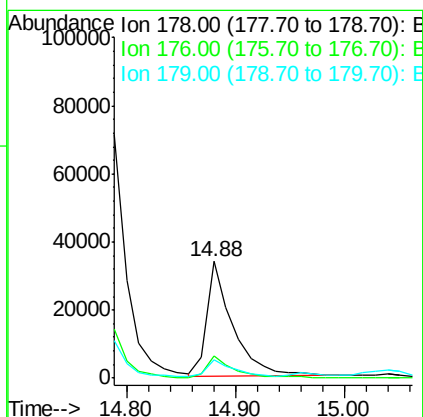
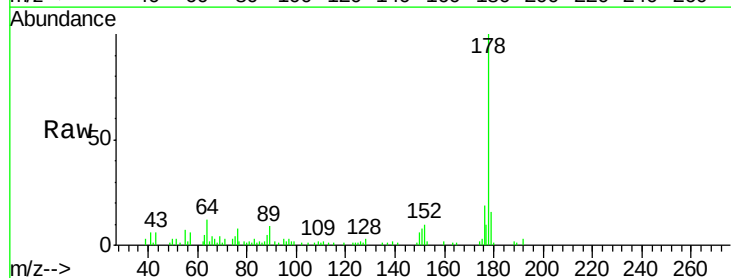
Instrument :
BNA_F
ClientSampleId :

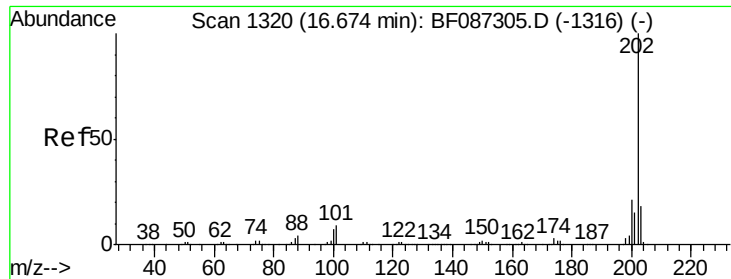
Tot Ion:178 Resp: 188553
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 15.6 12.6 18.8



#71
Anthracene
Concen: 3.09 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.02 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Tgt Ion:178 Resp: 56659
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 16.2 12.7 19.1

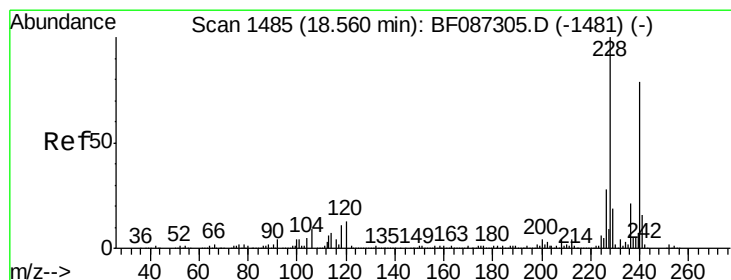
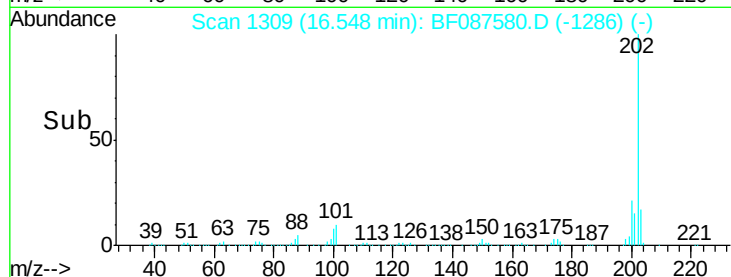
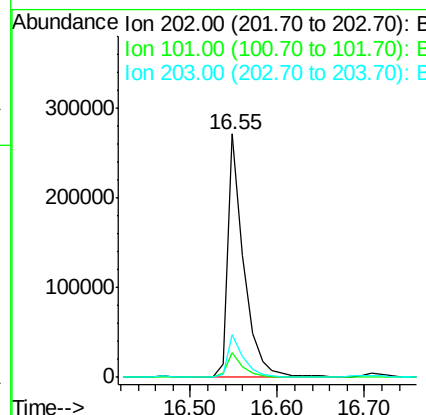
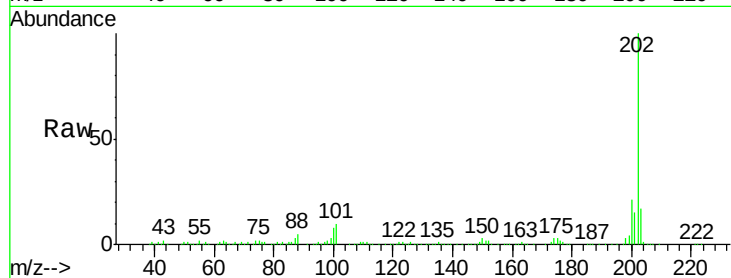




#74
Fluoranthene
Concen: 19.07 ng
RT: 16.55 min Scan# 1309
Delta R.T. -0.03 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

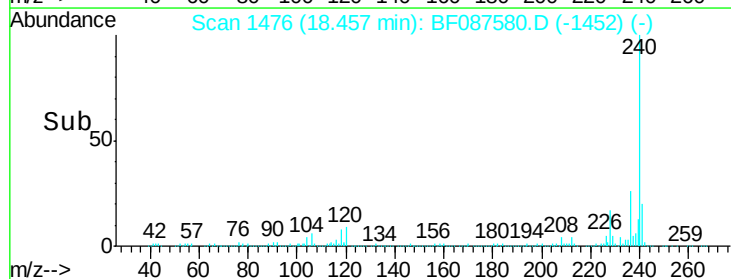
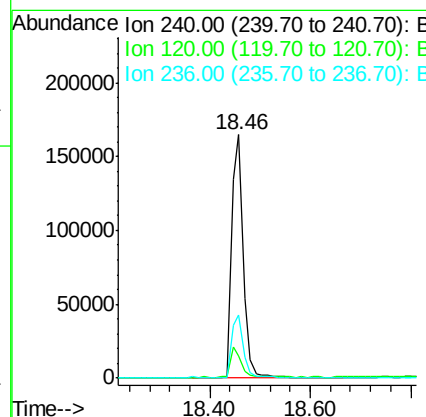
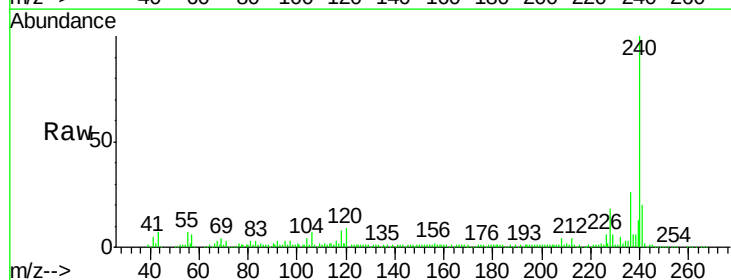
Instrument :
BNA_F
ClientSampleId :

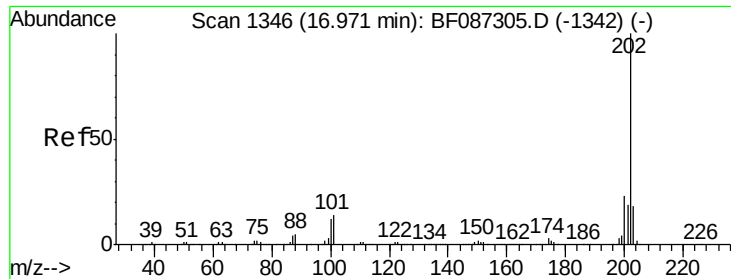
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	35.4
203	17.3	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.46 min Scan# 1476
Delta R.T. -0.02 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.2	11.2	16.8#
236	26.0	21.2	31.8

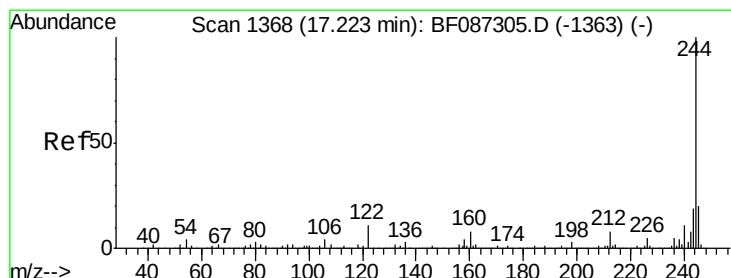
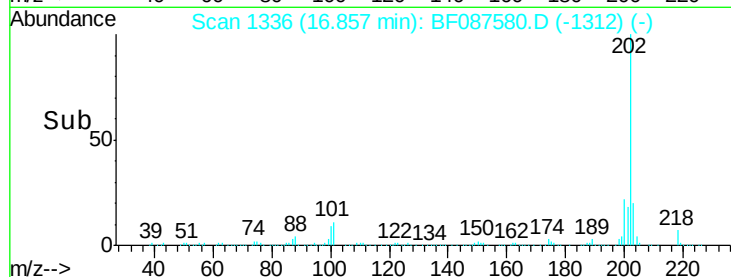
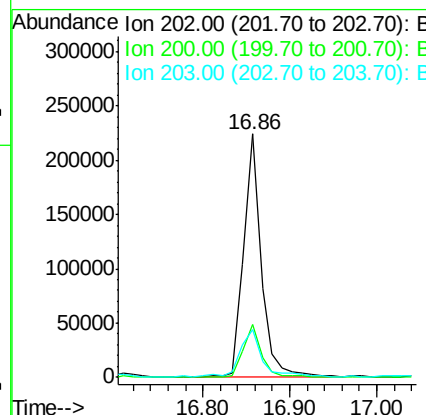
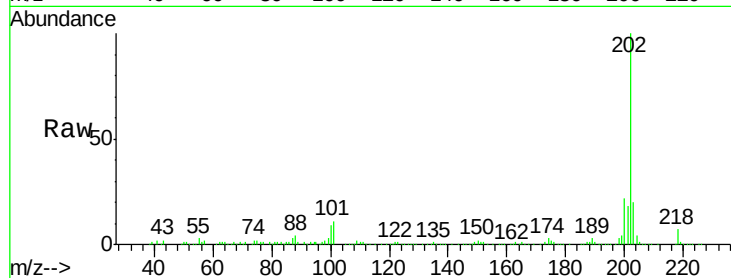




#77
Pvrene
Concen: 16.48 ng
RT: 16.86 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

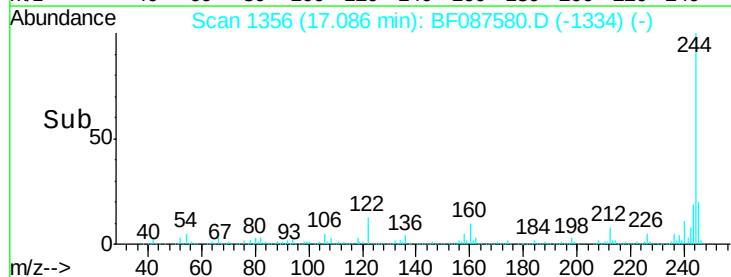
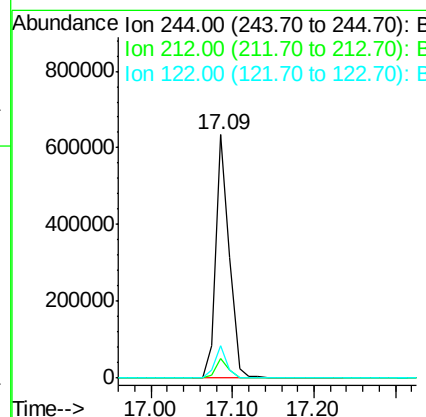
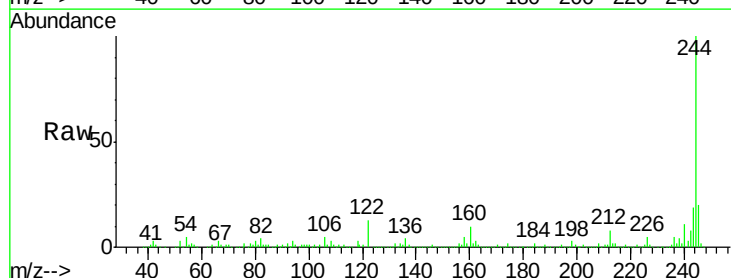
Instrument :
BNA_F
ClientSampleId :

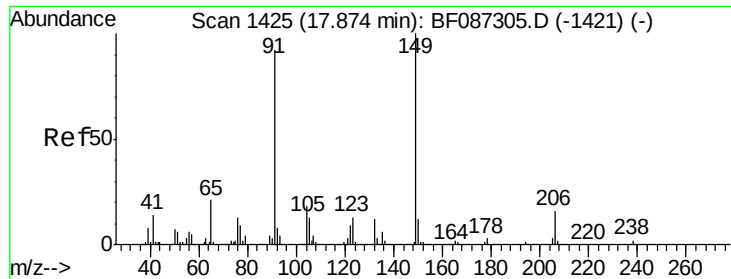
Tot Ion:202 Resp: 311636
Ion Ratio Lower Upper
202 100
200 22.0 17.7 26.5
203 19.6 14.2 21.4



#78
Terphenyl-d14
Concen: 59.78 ng
RT: 17.09 min Scan# 1356
Delta R.T. -0.05 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Tgt Ion:244 Resp: 738617
Ion Ratio Lower Upper
244 100
212 8.2 6.2 9.2
122 13.4 12.0 18.0

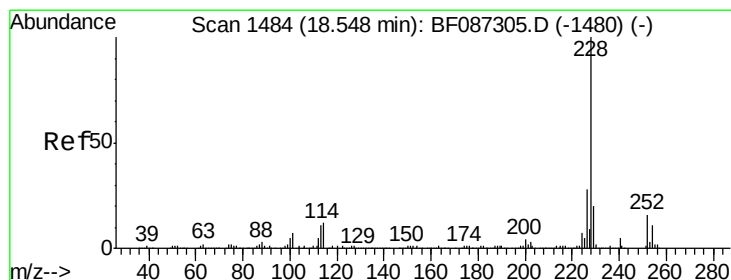
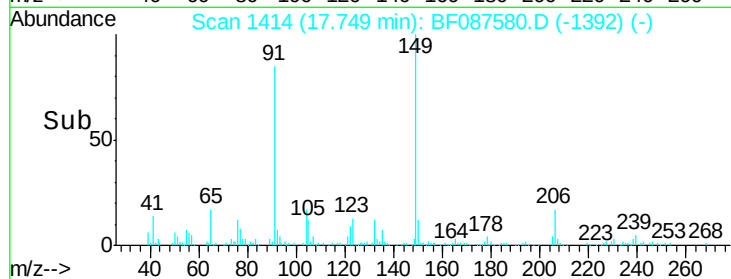
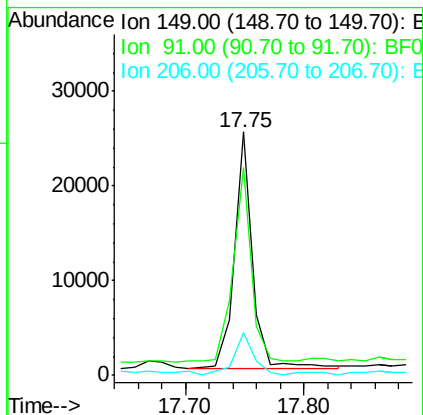
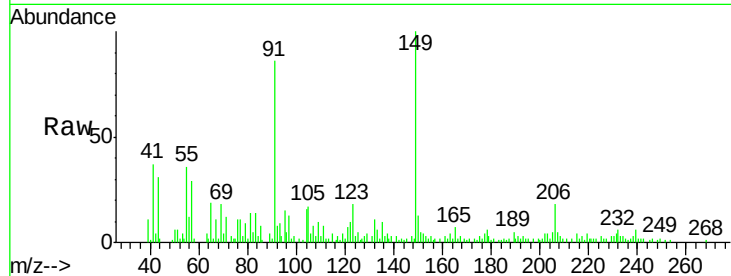




#79
Butylbenzylphthalate
Concen: 3.12 ng
RT: 17.75 min Scan# 1414
Delta R.T. -0.05 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

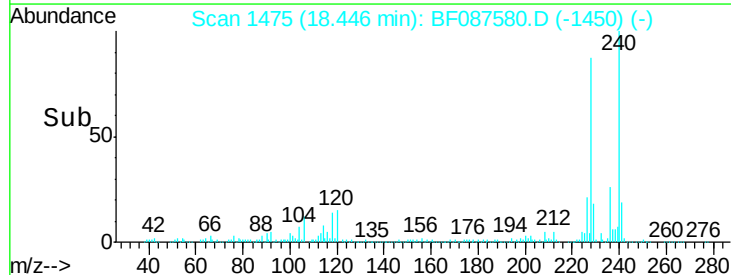
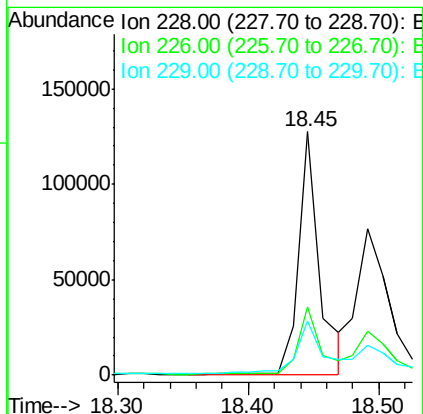
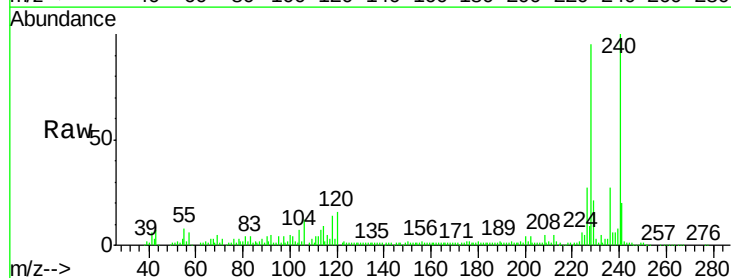
Instrument :
BNA_F
ClientSampleId :

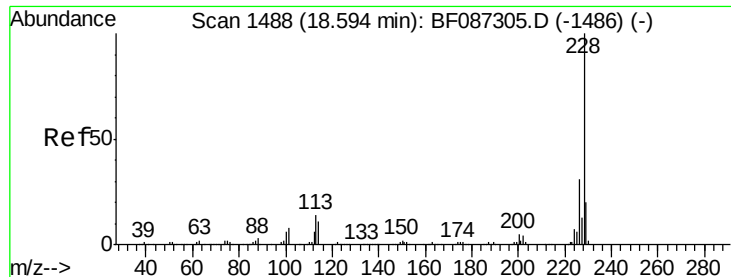
Tot Ion:149 Resp: 26163
Ion Ratio Lower Upper
149 100
91 85.5 48.0 72.0#
206 17.6 15.8 23.6



#80
Benzo(a)anthracene
Concen: 9.46 ng
RT: 18.45 min Scan# 1475
Delta R.T. -0.01 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Tgt Ion:228 Resp: 141412
Ion Ratio Lower Upper
228 100
226 28.0 22.5 33.7
229 22.2 16.6 25.0





#82

Chrysene

Concen: 8.79 ng

RT: 18.49 min Scan# 1479

Delta R.T. -0.02 min

Lab File: BF087580.D

Acq: 31 May 2016 8:28

Instrument :

BNA_F

ClientSampleId :

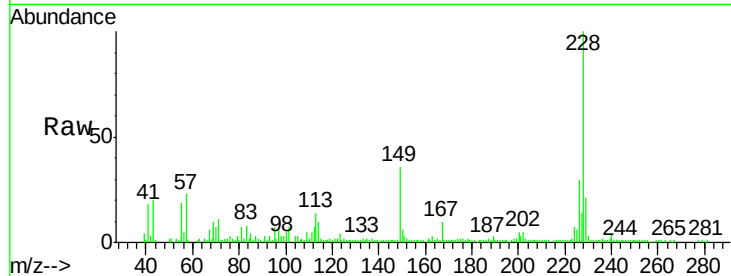
Tot Ion:228 Resp: 130332

Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

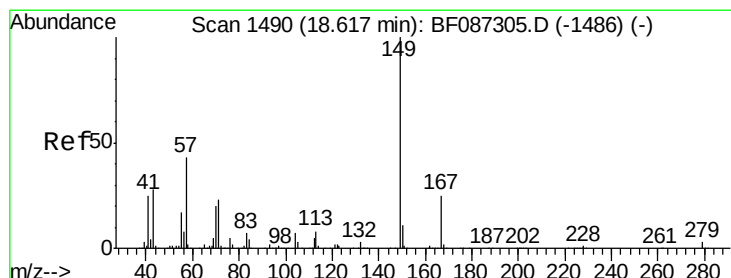
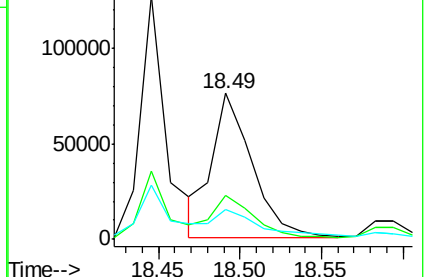
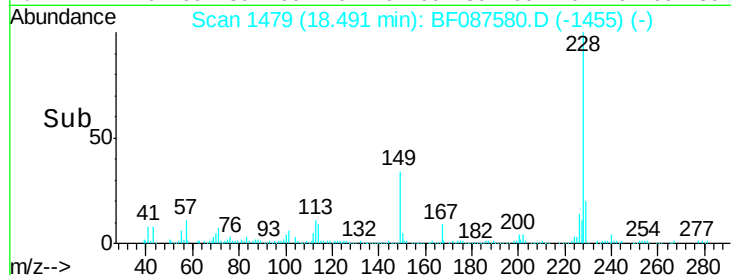
229 20.9 15.8 23.8



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.62 ng

RT: 18.49 min Scan# 1479

Delta R.T. -0.05 min

Lab File: BF087580.D

Acq: 31 May 2016 8:28

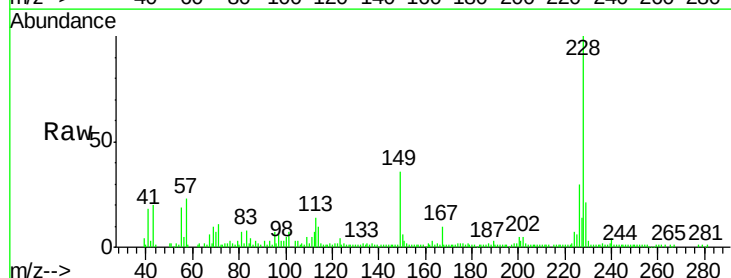
Tgt Ion:149 Resp: 32052

Ion Ratio Lower Upper

149 100

167 26.2 21.8 32.6

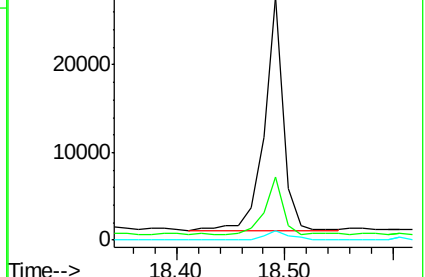
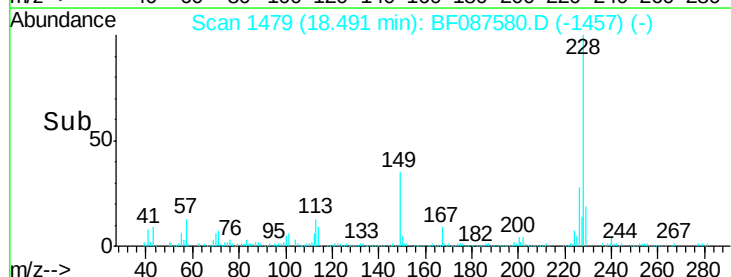
279 3.6 2.6 4.0

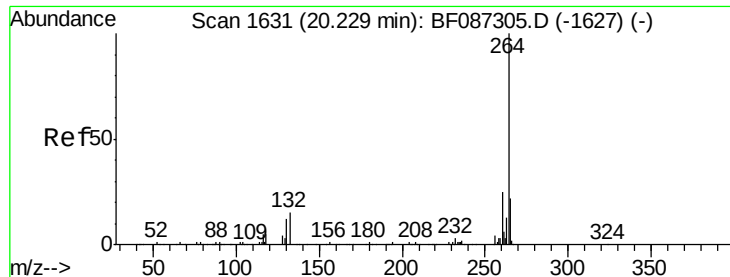


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.15 min Scan# 1624

Delta R.T. 0.01 min

Lab File: BF087580.D

Acq: 31 May 2016 8:28

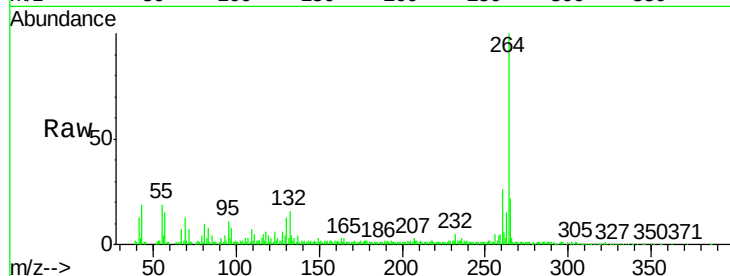
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 190739

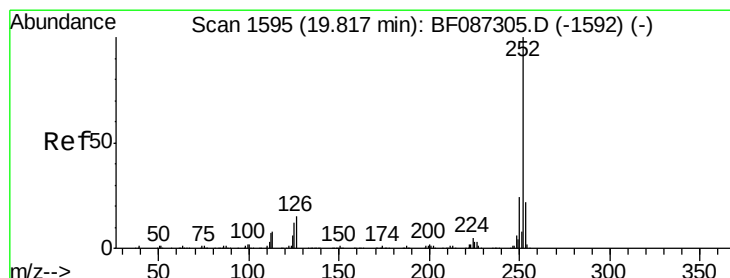
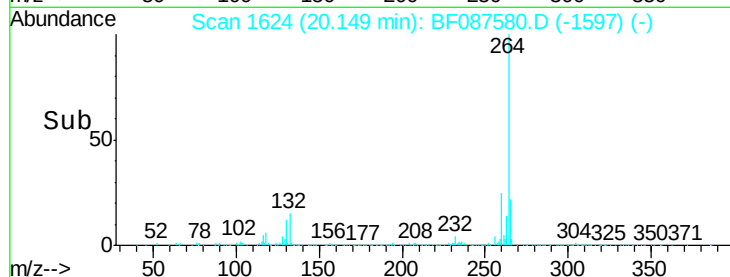
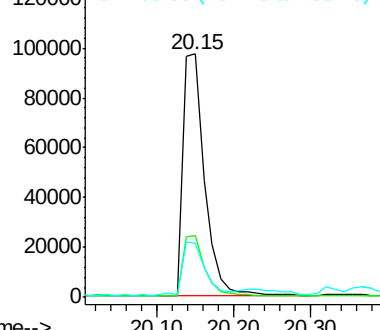
Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.5	29.3
265	22.2	17.3	25.9



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: 15.33 ng

RT: 19.74 min Scan# 1588

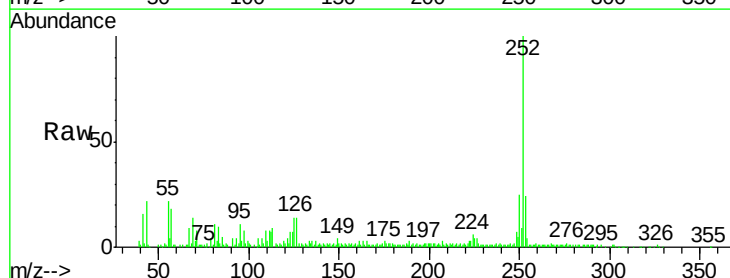
Delta R.T. 0.01 min

Lab File: BF087580.D

Acq: 31 May 2016 8:28

Tgt Ion:252 Resp: 186242

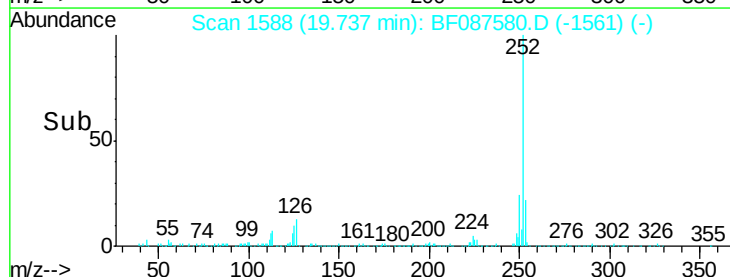
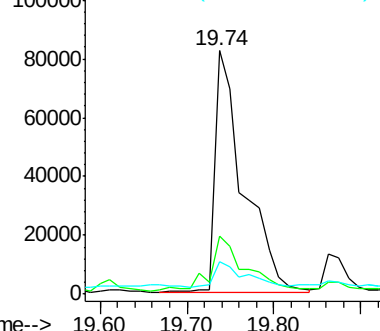
Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	13.5	11.4	17.0

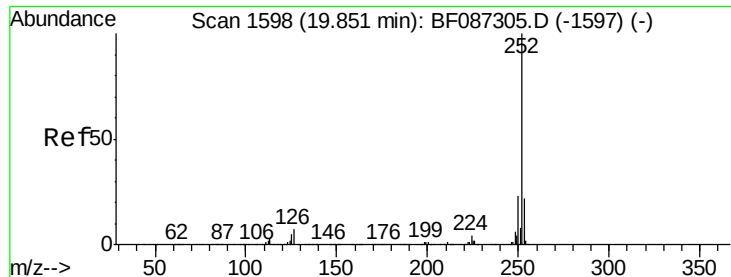


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

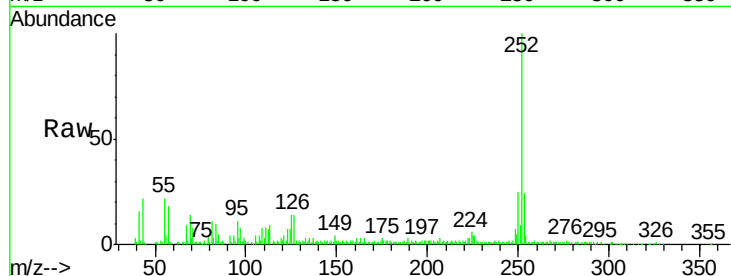




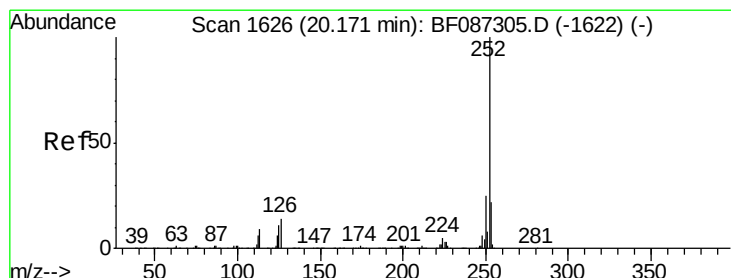
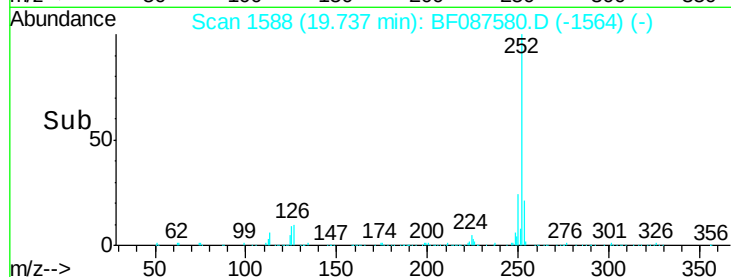
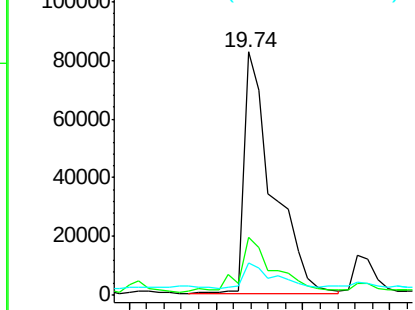
#88
Benzo(k)fluoranthene
Concen: 17.81 ng
RT: 19.74 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	13.5	9.1	13.7

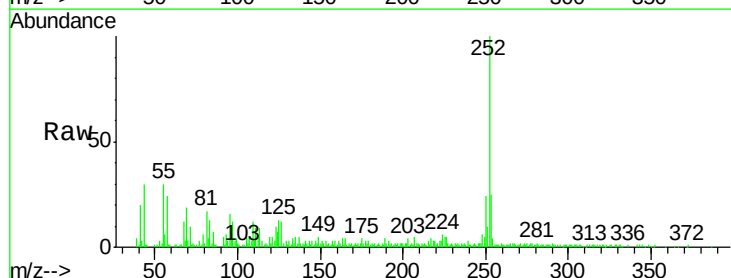


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

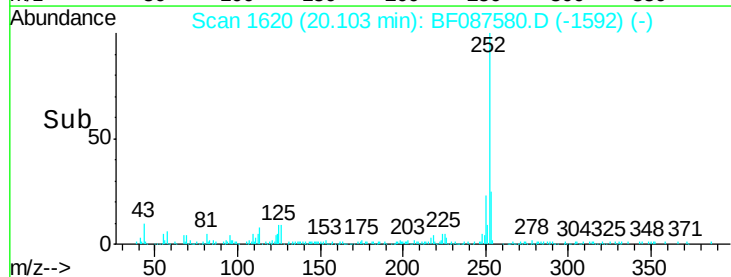
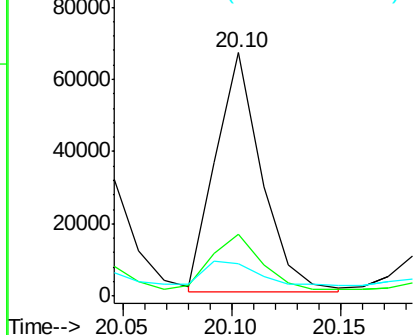


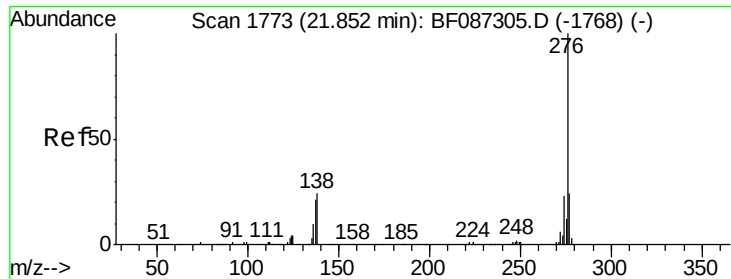
#89
Benzo(a)pyrene
Concen: 9.21 ng
RT: 20.10 min Scan# 1620
Delta R.T. 0.02 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.2	25.8
125	13.2	9.0	13.6



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

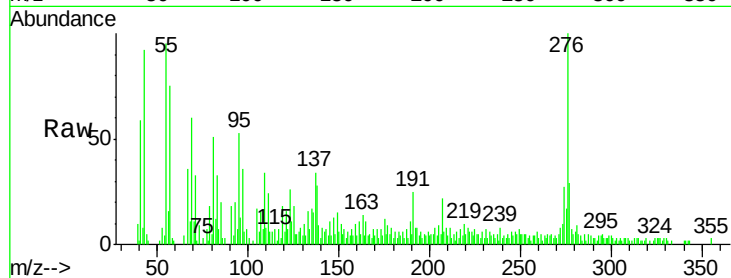




#91
 Benzo(a,h,i)perylene
 Concen: 5.28 ng
 RT: 21.81 min Scan# 1769
 Delta R.T. 0.09 min
 Lab File: BF087580.D
 Acq: 31 May 2016 8:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.4	19.6	29.4
138	27.6	23.6	35.4



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

