

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
 Data File : BF089707.D
 Acq On : 10 Aug 2016 21:13
 Operator : UM/SJ
 Sample : H4396-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1(0-2)

Quant Time: Aug 11 01:11:30 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

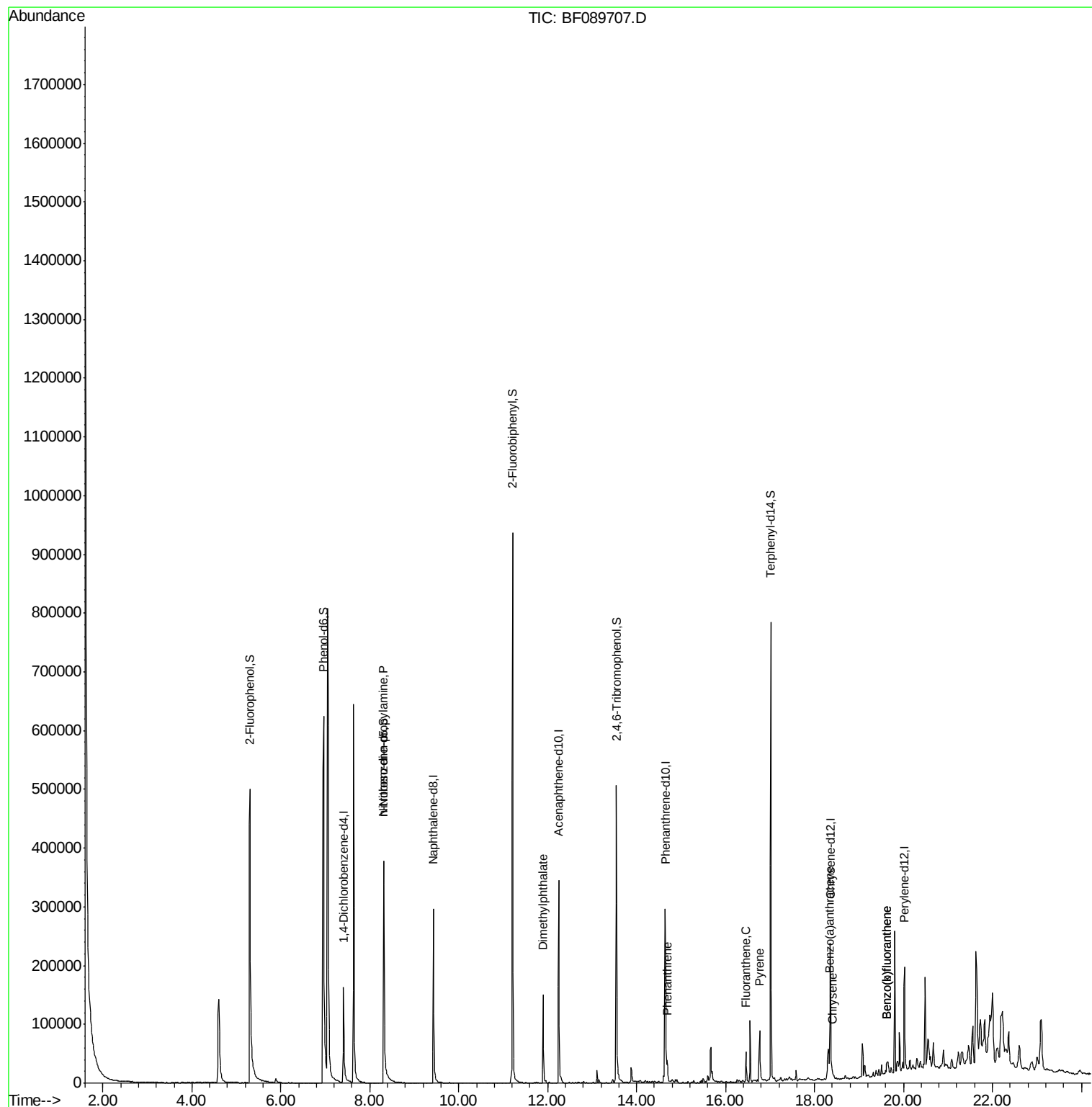
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	48784	20.00	ng	-0.05
21) Naphthalene-d8	9.43	136	206837	20.00	ng	-0.05
38) Acenaphthene-d10	12.25	164	96492	20.00	ng	-0.05
63) Phenanthrene-d10	14.64	188	176621	20.00	ng	-0.06
75) Chrysene-d12	18.35	240	102503	20.00	ng	-0.03
86) Perylene-d12	20.02	264	97506	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	334525	114.93	ng	-0.01
7) Phenol-d6	6.96	99	453290	114.80	ng	-0.02
23) Nitrobenzene-d5	8.31	82	271889	72.71	ng	-0.06
41) 2,4,6-Tribromophenol	13.54	330	81197	101.97	ng	-0.05
44) 2-Fluorobiphenyl	11.21	172	431079	58.06	ng	-0.05
78) Terphenyl-d14	17.02	244	304583	58.66	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.31	70	32219	11.30	ng	Qvalue # 83
49) Dimethylphthalate	11.90	163	85536	11.31	ng	99
70) Phenanthrene	14.69	178	27134	2.83	ng	98
74) Fluoranthene	16.46	202	36633	3.71	ng	100
77) Pyrene	16.77	202	32449	3.58	ng	99
80) Benzo(a)anthracene	18.34	228	12246	2.08	ng	97
82) Chrysene	18.40	228	12463	2.02	ng	98
87) Benzo(b)fluoranthene	19.62	252	18964	3.16	ng	# 90
88) Benzo(k)fluoranthene	19.62	252	18964	3.13	ng	94

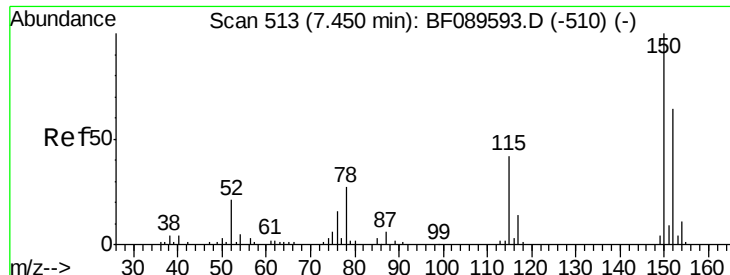
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.40 min Scan# 509

Delta R.T. -0.05 min

Lab File: BF089707.D

Acq: 10 Aug 2016 21:13

Instrument :

BNA_F

ClientSampled :

SP-1(0-2)

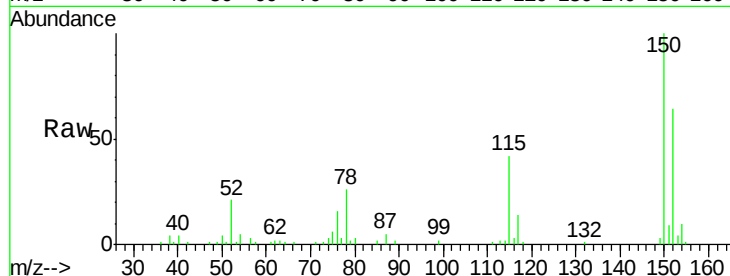
Tgt Ion:152 Resp: 48784

Ion Ratio Lower Upper

152 100

150 156.1 125.5 188.3

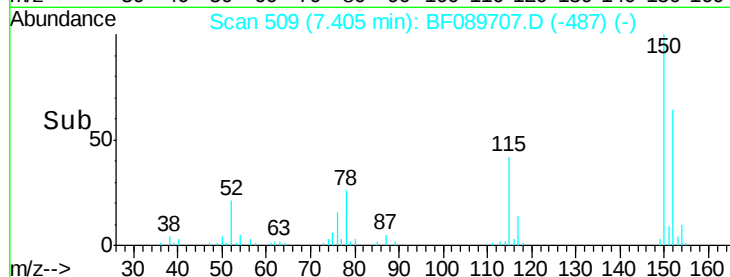
115 65.7 52.0 78.0



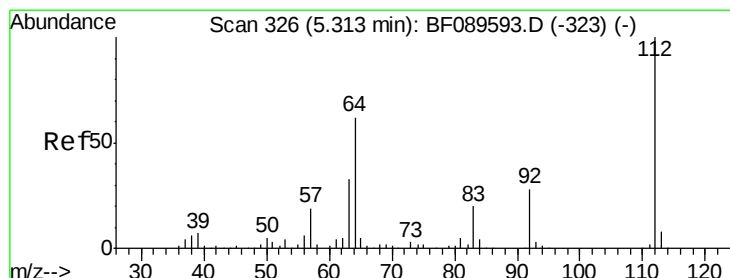
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#5

2-Fluorophenol

Concen: 114.93 ng

RT: 5.30 min Scan# 325

Delta R.T. -0.01 min

Lab File: BF089707.D

Acq: 10 Aug 2016 21:13

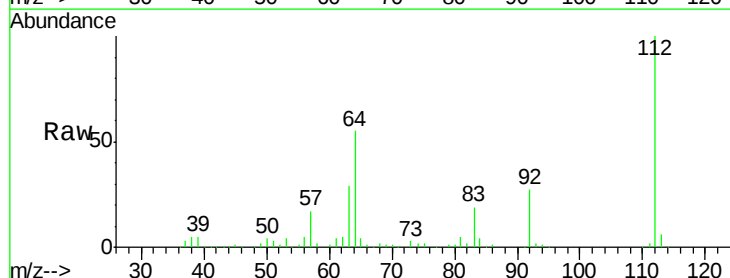
Tgt Ion:112 Resp: 334525

Ion Ratio Lower Upper

112 100

64 54.6 49.9 74.9

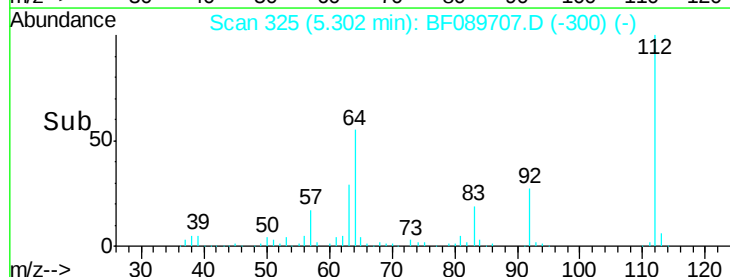
63 28.9 26.1 39.1



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



Time-->



#7

Phenol-d6

Concen: 114.80 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF089707.D

Acq: 10 Aug 2016 21:13

Instrument :

BNA_F

ClientSampleId :

SP-1(0-2)

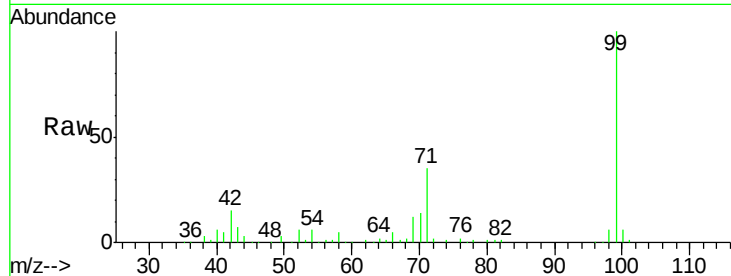
Tgt Ion: 99 Resp: 453290

Ion Ratio Lower Upper

99 100

42 15.1 13.7 20.5

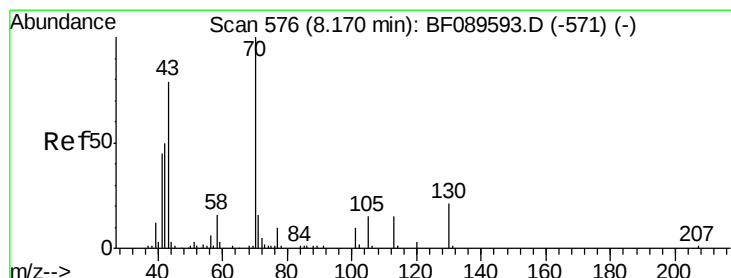
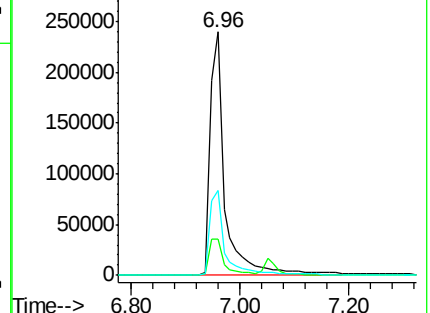
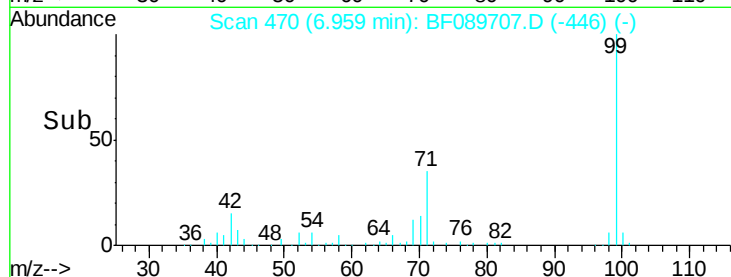
71 34.8 29.0 43.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.30 ng

RT: 8.31 min Scan# 588

Delta R.T. 0.14 min

Lab File: BF089707.D

Acq: 10 Aug 2016 21:13

Tgt Ion: 70 Resp: 32219

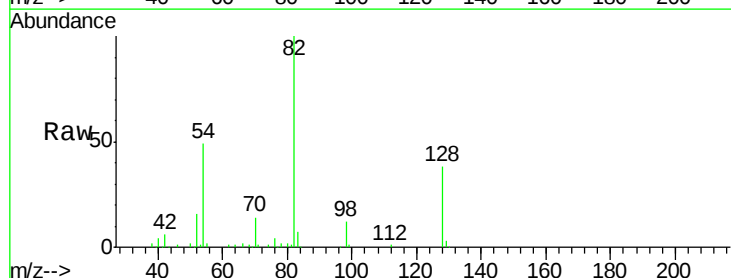
Ion Ratio Lower Upper

70 100

42 46.1 40.2 60.2

101 0.0 7.8 11.6#

130 2.2 16.4 24.6#

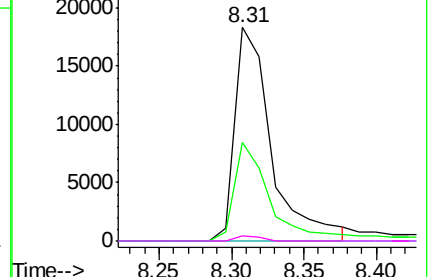
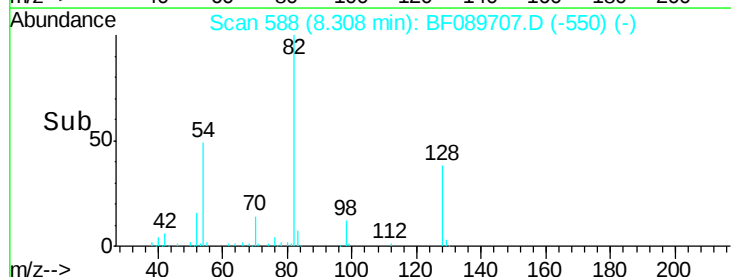


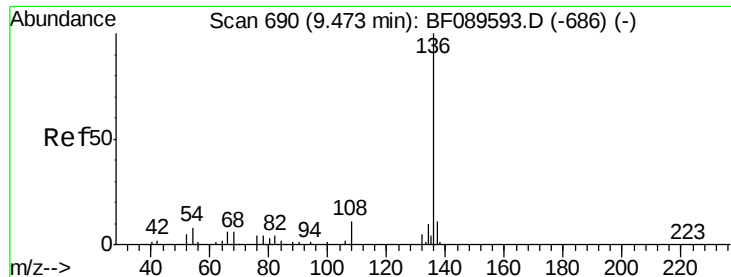
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

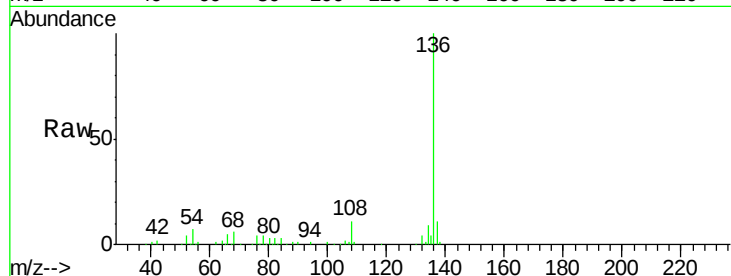




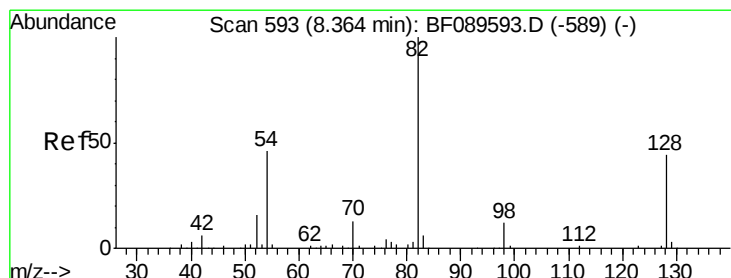
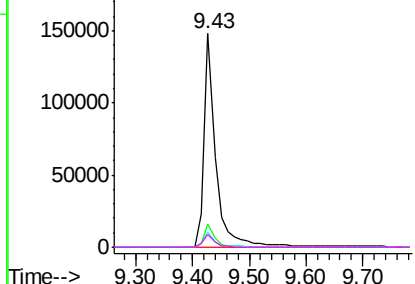
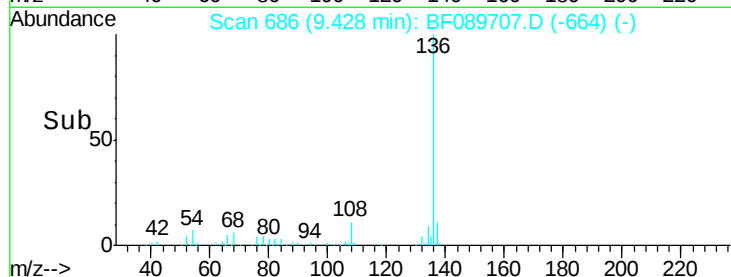
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.05 min
Lab File: BF089707.D
Acq: 10 Aug 2016 21:13

Instrument :
BNA_F
ClientSampleId :
SP-1(0-2)

Tgt Ion:	136	Resp:	206837
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	7.0	6.0	9.0
68	5.8	4.6	6.8

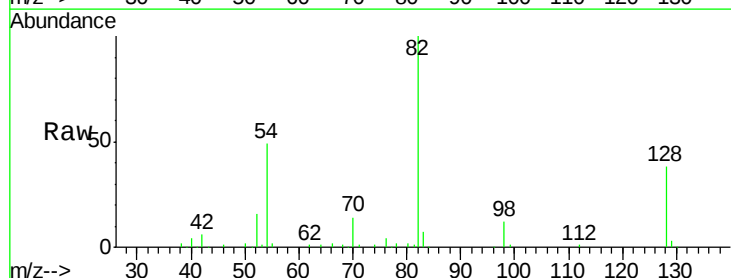


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

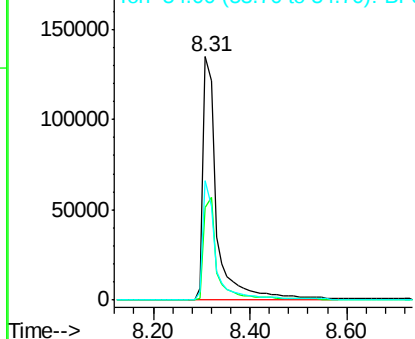
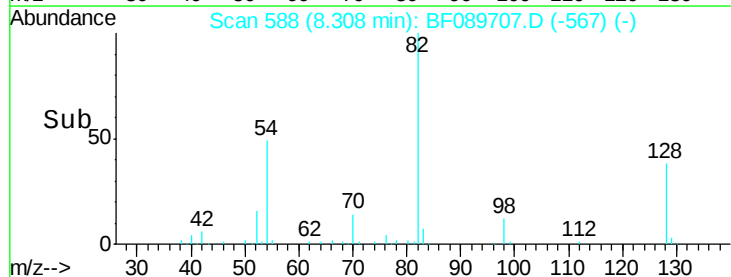


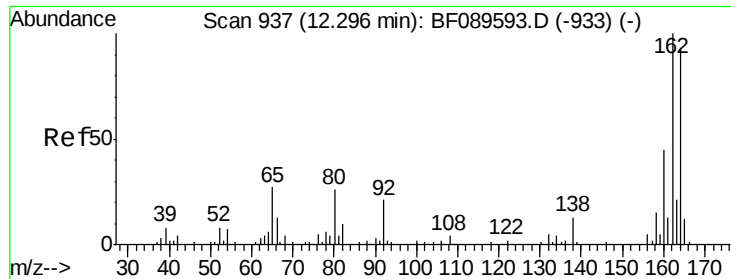
#23
Nitrobenzene-d5
Concen: 72.71 ng
RT: 8.31 min Scan# 588
Delta R.T. -0.06 min
Lab File: BF089707.D
Acq: 10 Aug 2016 21:13

Tgt Ion:	82	Resp:	271889
Ion	Ratio	Lower	Upper
82	100		
128	38.2	35.4	53.0
54	49.3	36.4	54.6



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

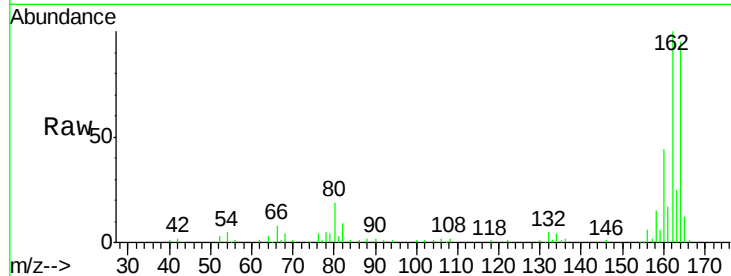




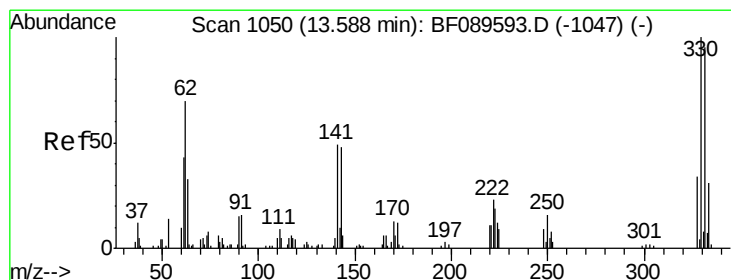
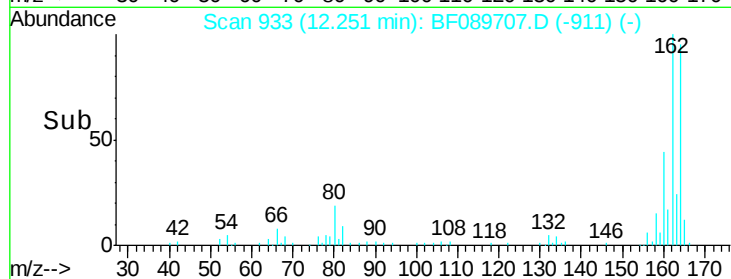
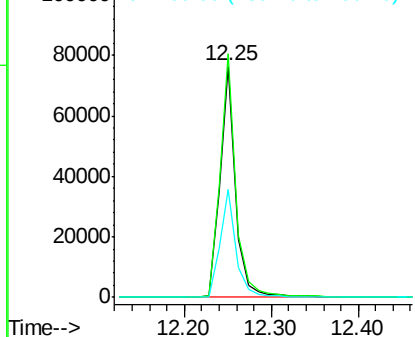
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.25 min Scan# 933
 Delta R.T. -0.05 min
 Lab File: BF089707.D
 Acq: 10 Aug 2016 21:13

Instrument :
 BNA_F
 ClientSampleId :
 SP-1(0-2)

Tgt Ion:164 Resp: 96492
 Ion Ratio Lower Upper
 164 100
 162 105.3 85.7 128.5
 160 46.6 38.2 57.4

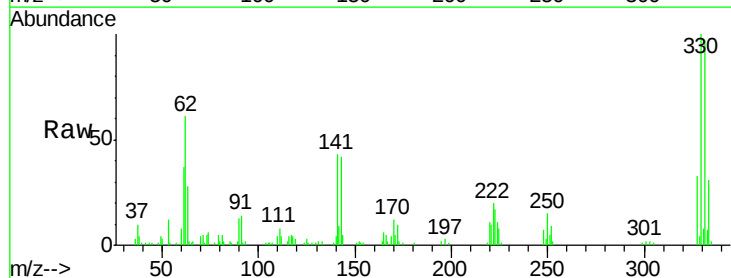


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

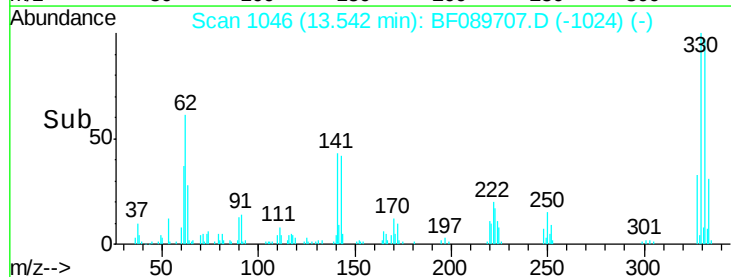
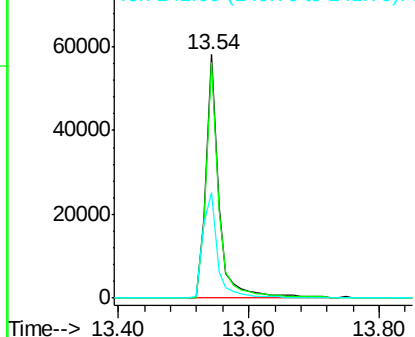


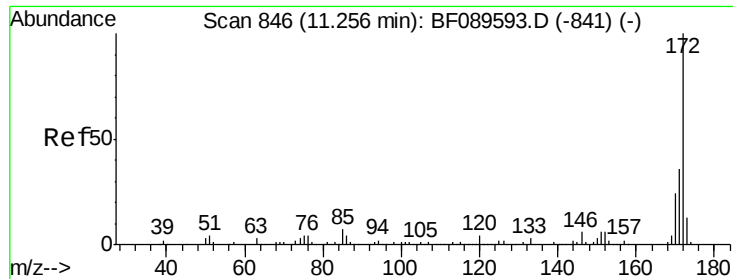
#41
 2,4,6-Tribromophenol
 Concen: 101.97 ng
 RT: 13.54 min Scan# 1046
 Delta R.T. -0.05 min
 Lab File: BF089707.D
 Acq: 10 Aug 2016 21:13

Tgt Ion:330 Resp: 81197
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 48.4 38.6 57.8



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

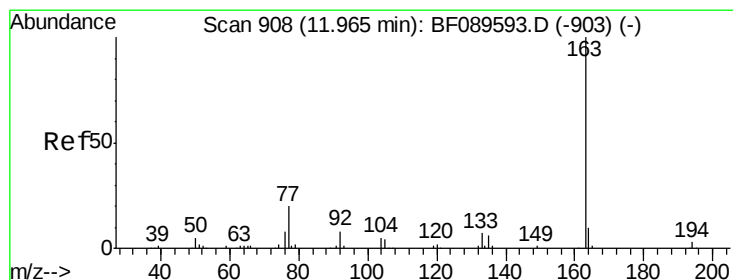
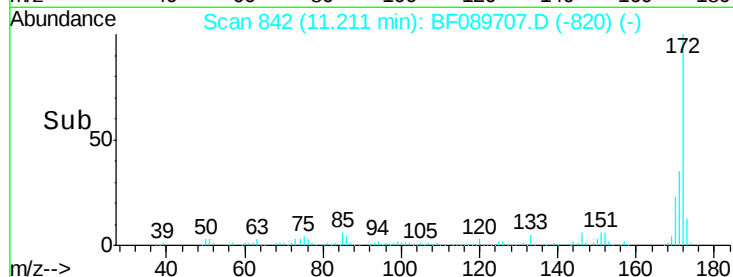
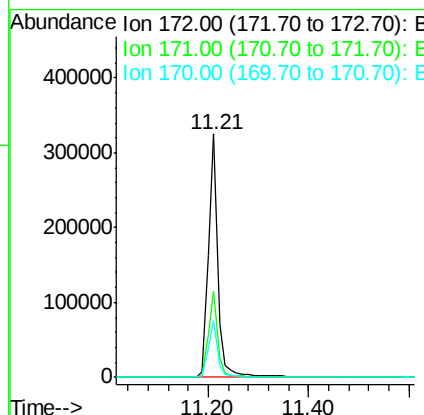
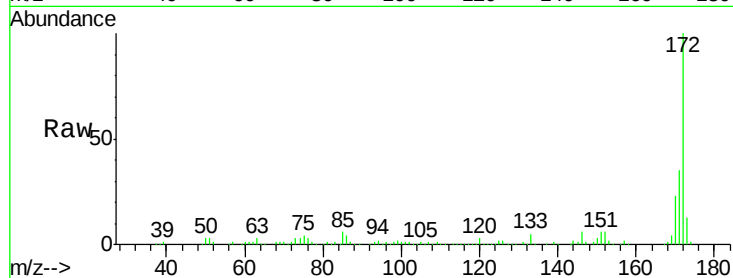




#44
2-Fluorobiphenyl
Concen: 58.06 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.05 min
Lab File: BF089707.D
Acq: 10 Aug 2016 21:13

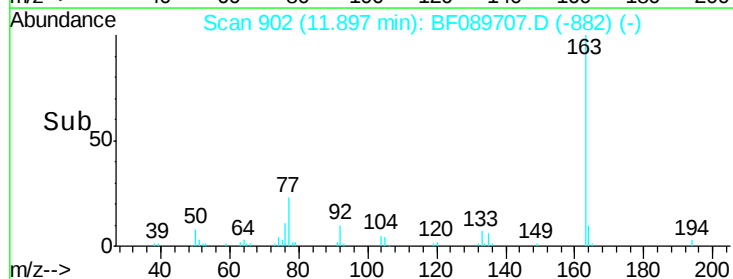
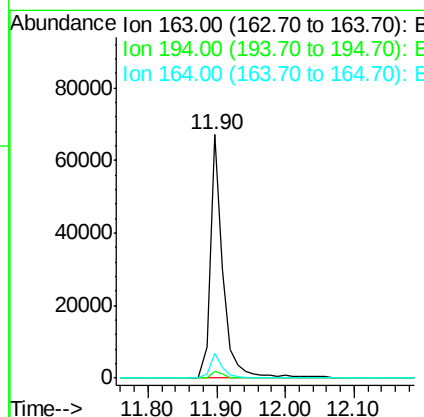
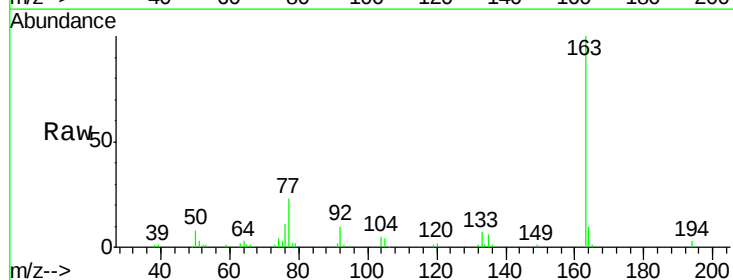
Instrument :
BNA_F
ClientSampleId :
SP-1(0-2)

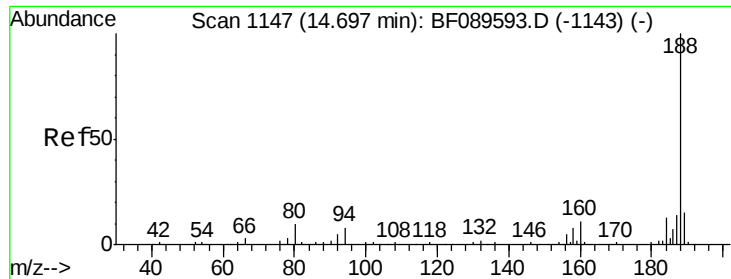
Tgt Ion:172 Resp: 431079
Ion Ratio Lower Upper
172 100
171 35.2 28.9 43.3
170 23.2 19.0 28.6



#49
Dimethylphthalate
Concen: 11.31 ng
RT: 11.90 min Scan# 902
Delta R.T. -0.07 min
Lab File: BF089707.D
Acq: 10 Aug 2016 21:13

Tgt Ion:163 Resp: 85536
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.2 7.8 11.6

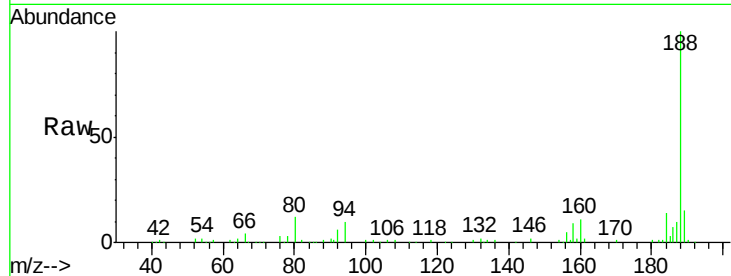




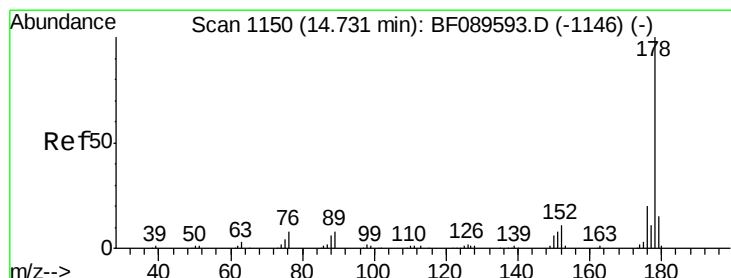
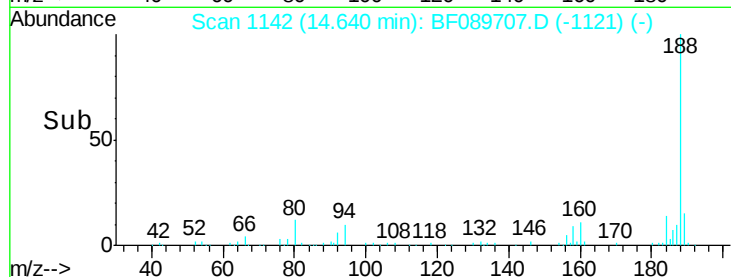
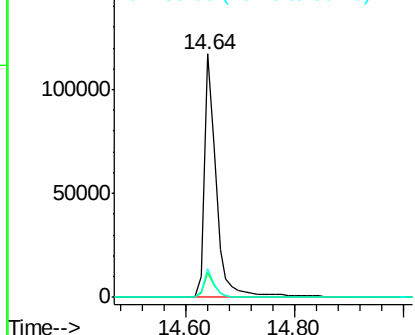
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.64 min Scan# 1142
Delta R.T. -0.06 min
Lab File: BF089707.D
Acq: 10 Aug 2016 21:13

Instrument :
BNA_F
ClientSampleId :
SP-1(0-2)

Tgt Ion:188 Resp: 176621
Ion Ratio Lower Upper
188 100
94 10.0 6.5 9.7#
80 11.8 8.0 12.0

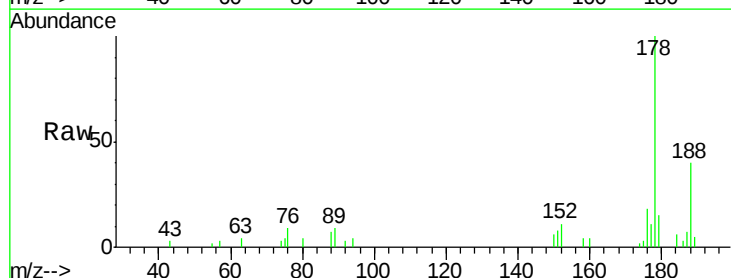


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

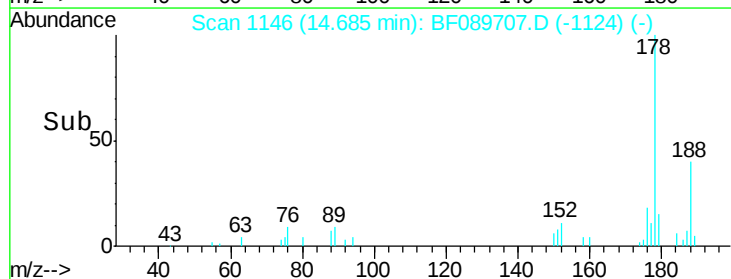
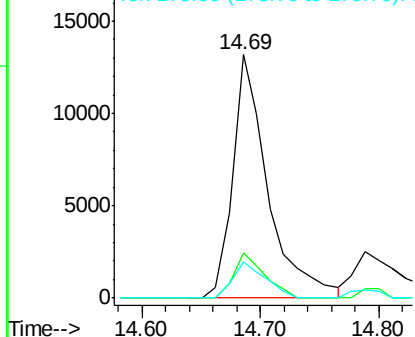


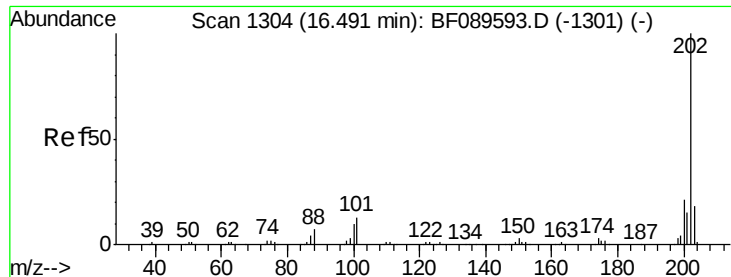
#70
Phenanthrene
Concen: 2.83 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.05 min
Lab File: BF089707.D
Acq: 10 Aug 2016 21:13

Tgt Ion:178 Resp: 27134
Ion Ratio Lower Upper
178 100
176 18.4 15.7 23.5
179 15.1 12.2 18.2



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

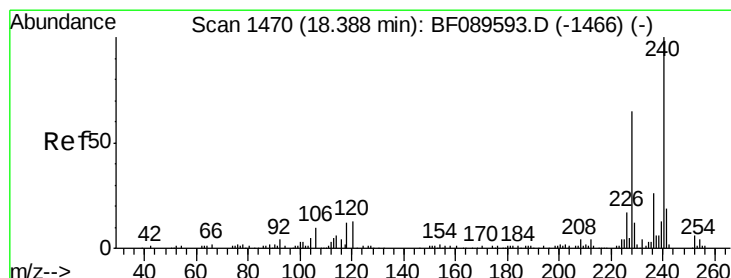
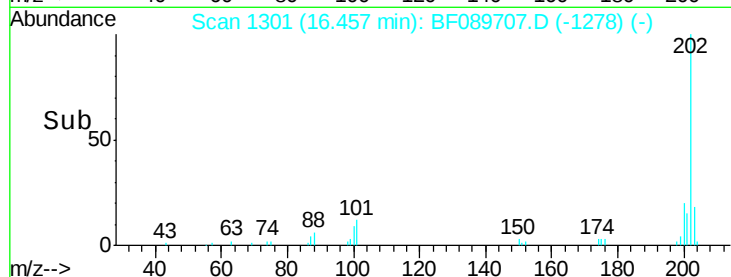
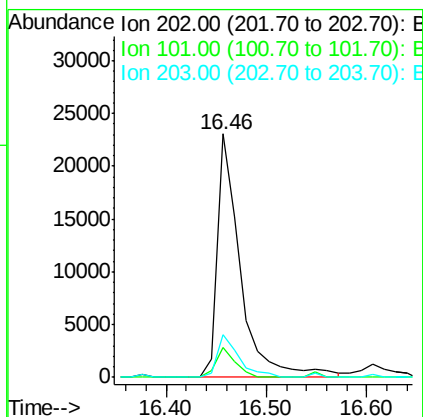
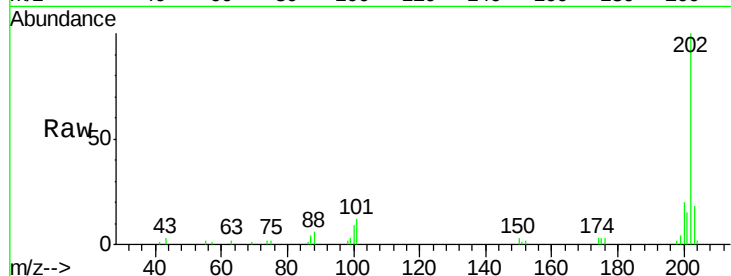




#74
Fluoranthene
Concen: 3.71 ng
RT: 16.46 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BF089707.D
Acq: 10 Aug 2016 21:13

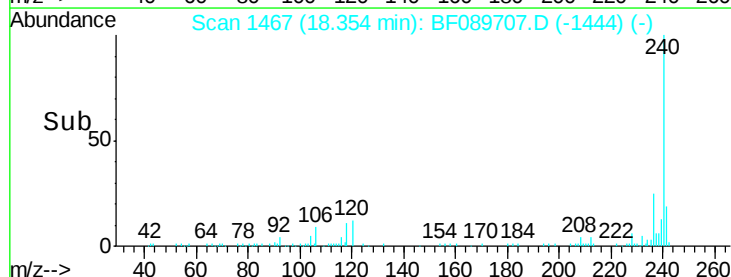
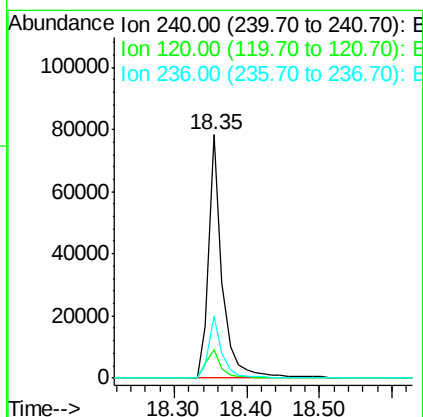
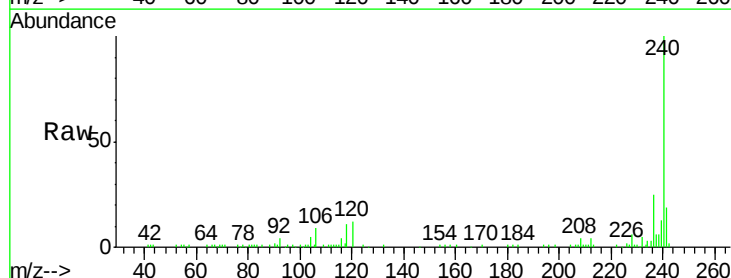
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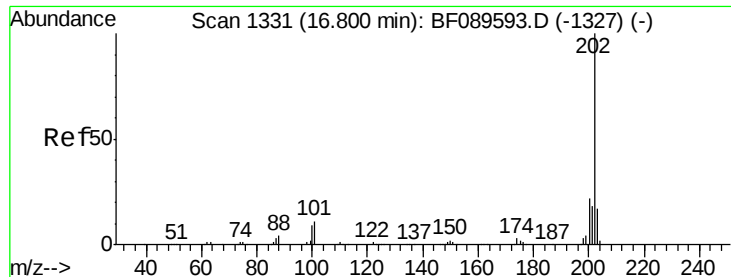
Tgt Ion: 202 Resp: 36633
Ion Ratio Lower Upper
202 100
101 12.3 0.0 32.7
203 17.7 0.0 37.8



#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.35 min Scan# 1467
Delta R.T. -0.03 min
Lab File: BF089707.D
Acq: 10 Aug 2016 21:13

Tgt Ion: 240 Resp: 102503
Ion Ratio Lower Upper
240 100
120 11.7 10.6 15.8
236 25.3 20.6 30.8

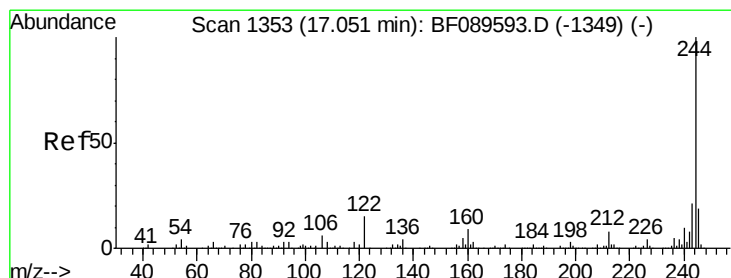
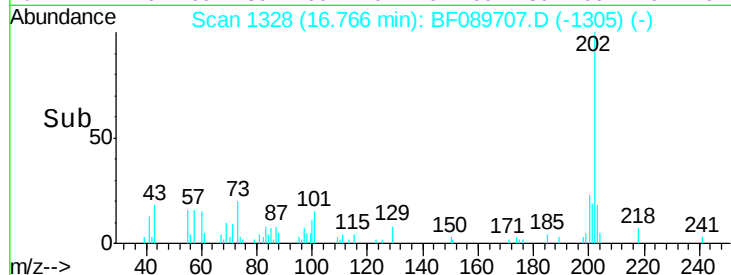
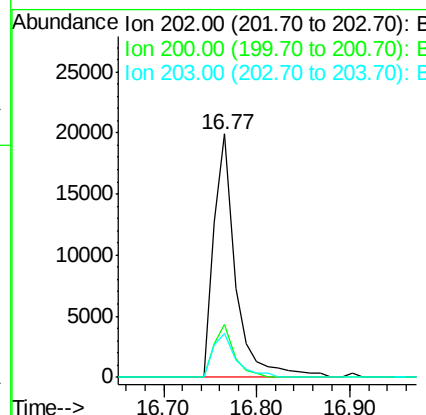
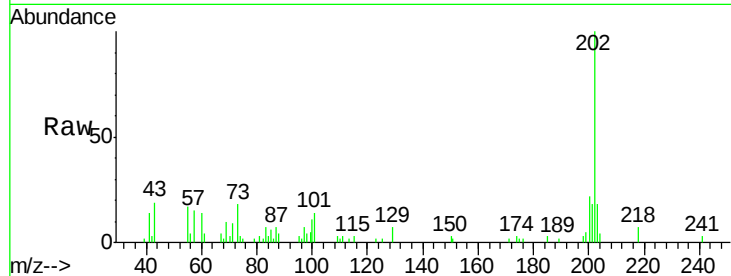




#77
 Pyrene
 Concen: 3.58 ng
 RT: 16.77 min Scan# 1328
 Delta R.T. -0.03 min
 Lab File: BF089707.D
 Acq: 10 Aug 2016 21:13

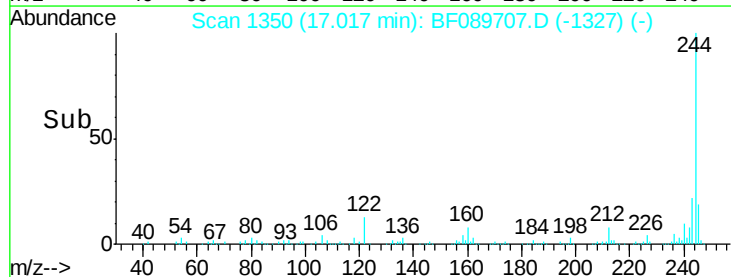
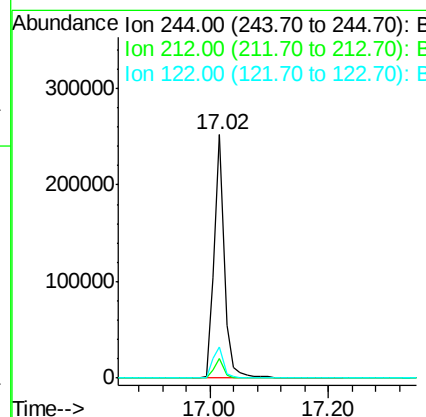
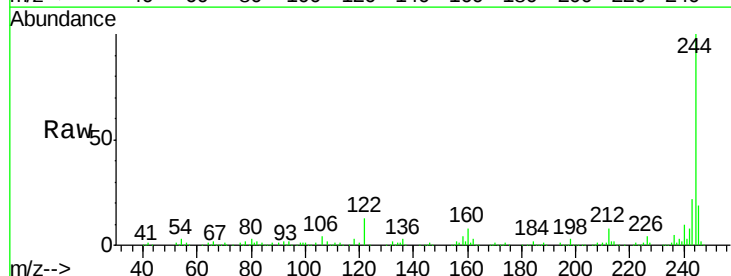
Instrument :
 BNA_F
 ClientSampleId :
 SP-1(0-2)

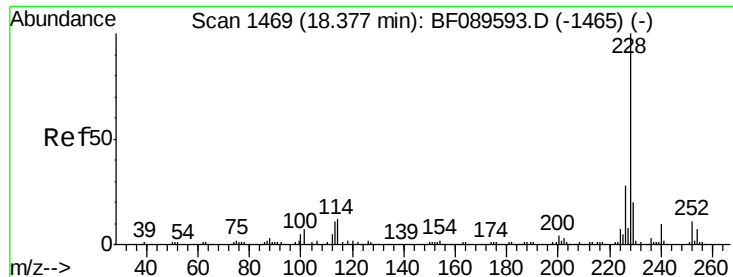
Tgt Ion:202 Resp: 32449
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.4 26.0
 203 18.3 13.6 20.4



#78
 Terphenyl-d14
 Concen: 58.66 ng
 RT: 17.02 min Scan# 1350
 Delta R.T. -0.03 min
 Lab File: BF089707.D
 Acq: 10 Aug 2016 21:13

Tgt Ion:244 Resp: 304583
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.4 9.6
 122 12.5 12.2 18.2





#80

Benzo(a)anthracene

Concen: 2.08 ng

RT: 18.34 min Scan# 1466

Delta R.T. -0.03 min

Lab File: BF089707.D

Acq: 10 Aug 2016 21:13

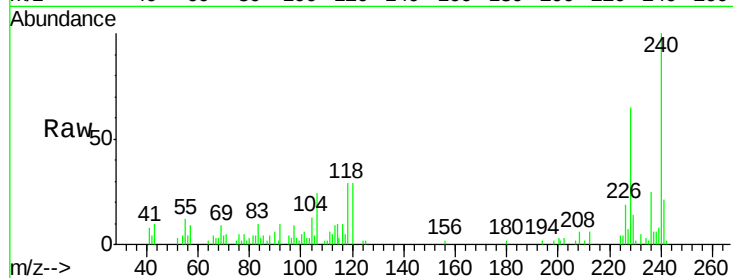
Instrument :

BNA_F

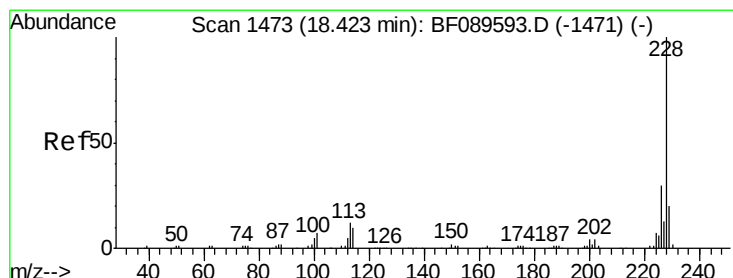
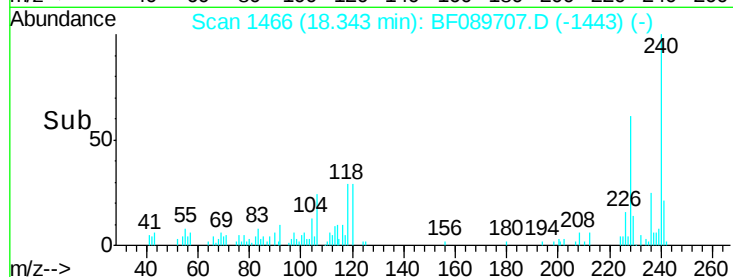
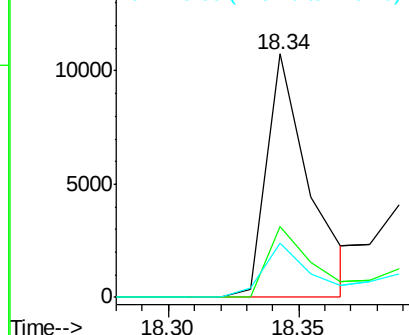
ClientSampleId :

SP-1(0-2)

Tgt Ion:	228	Resp:	12246
Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.3	33.5
229	22.2	15.9	23.9



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: 2.02 ng

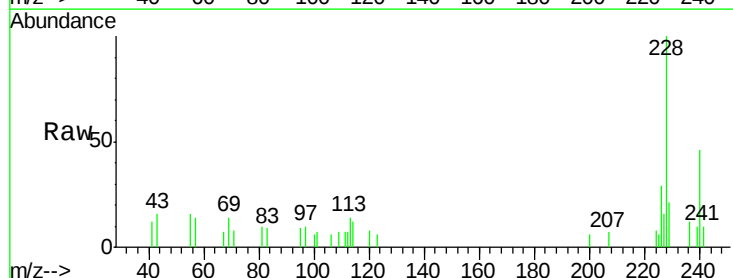
RT: 18.40 min Scan# 1471

Delta R.T. -0.02 min

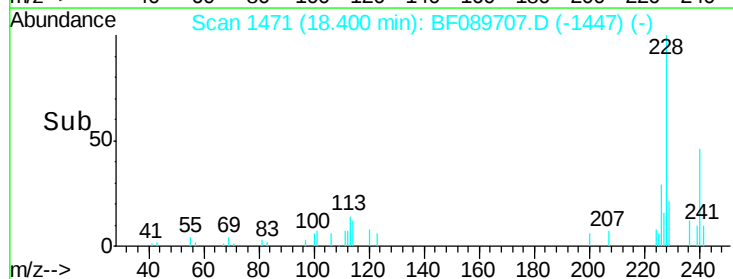
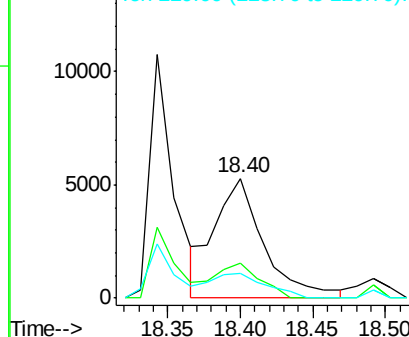
Lab File: BF089707.D

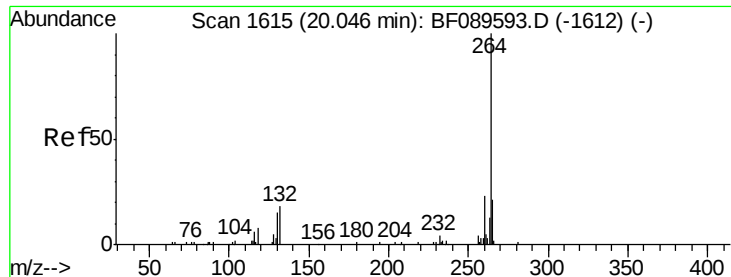
Acq: 10 Aug 2016 21:13

Tgt Ion:	228	Resp:	12463
Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.2	36.2
229	21.0	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

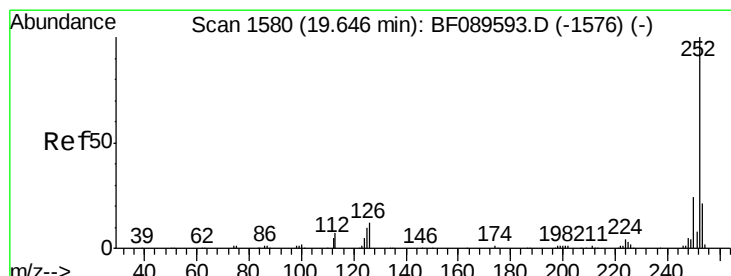
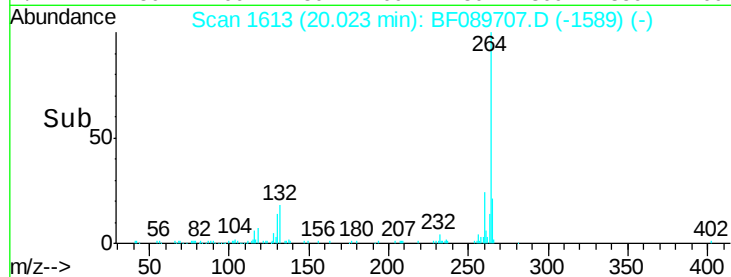
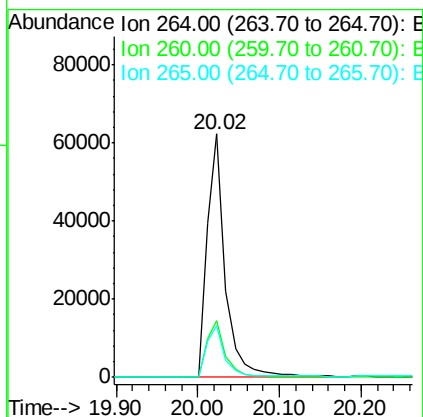
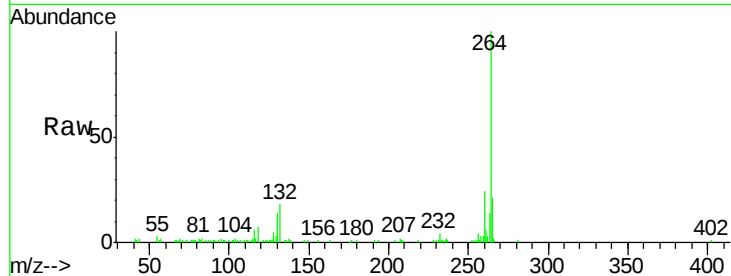




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 1613
Delta R.T. -0.02 min
Lab File: BF089707.D
Acq: 10 Aug 2016 21:13

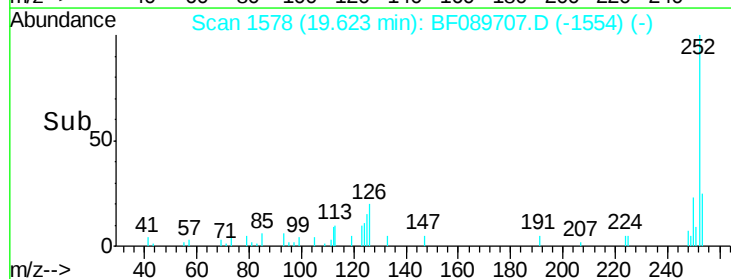
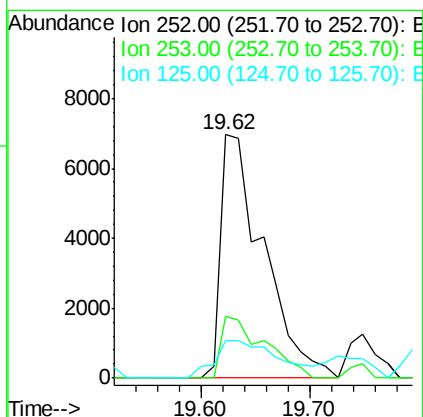
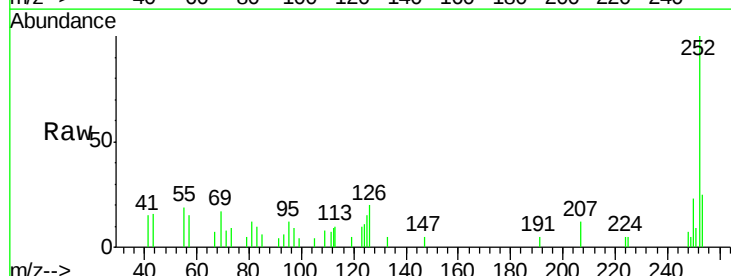
Instrument :
BNA_F
ClientSampleId :
SP-1(0-2)

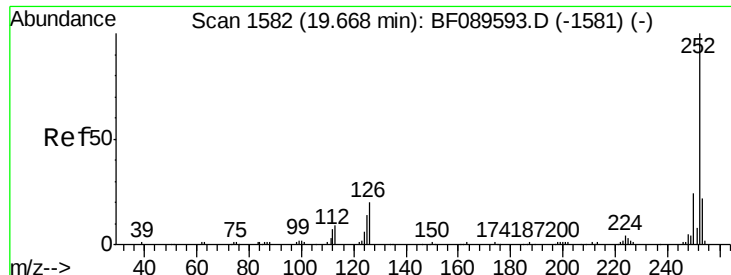
Tgt Ion:264 Resp: 97506
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 21.4 16.5 24.7



#87
Benzo(b)fluoranthene
Concen: 3.16 ng
RT: 19.62 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BF089707.D
Acq: 10 Aug 2016 21:13

Tgt Ion:252 Resp: 18964
Ion Ratio Lower Upper
252 100
253 25.2 17.1 25.7
125 15.2 7.8 11.8#





#88

Benzo(k)fluoranthene

Concen: 3.13 ng

RT: 19.62 min Scan# 1578

Delta R.T. -0.05 min

Lab File: BF089707.D

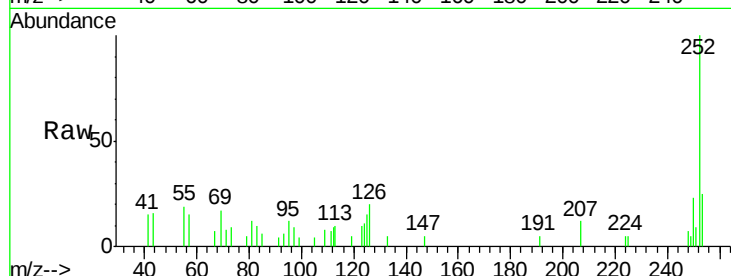
Acq: 10 Aug 2016 21:13

Instrument :

BNA_F

ClientSampleId :

SP-1(0-2)



Tgt Ion:	252	Resp:	18964
Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.3	25.9
125	15.2	11.0	16.6

