

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
 Data File : BF089379.D
 Acq On : 28 Jul 2016 23:12
 Operator : UM/SJ
 Sample : H4205-19
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-40-4.0-5.0

Quant Time: Jul 29 03:04:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

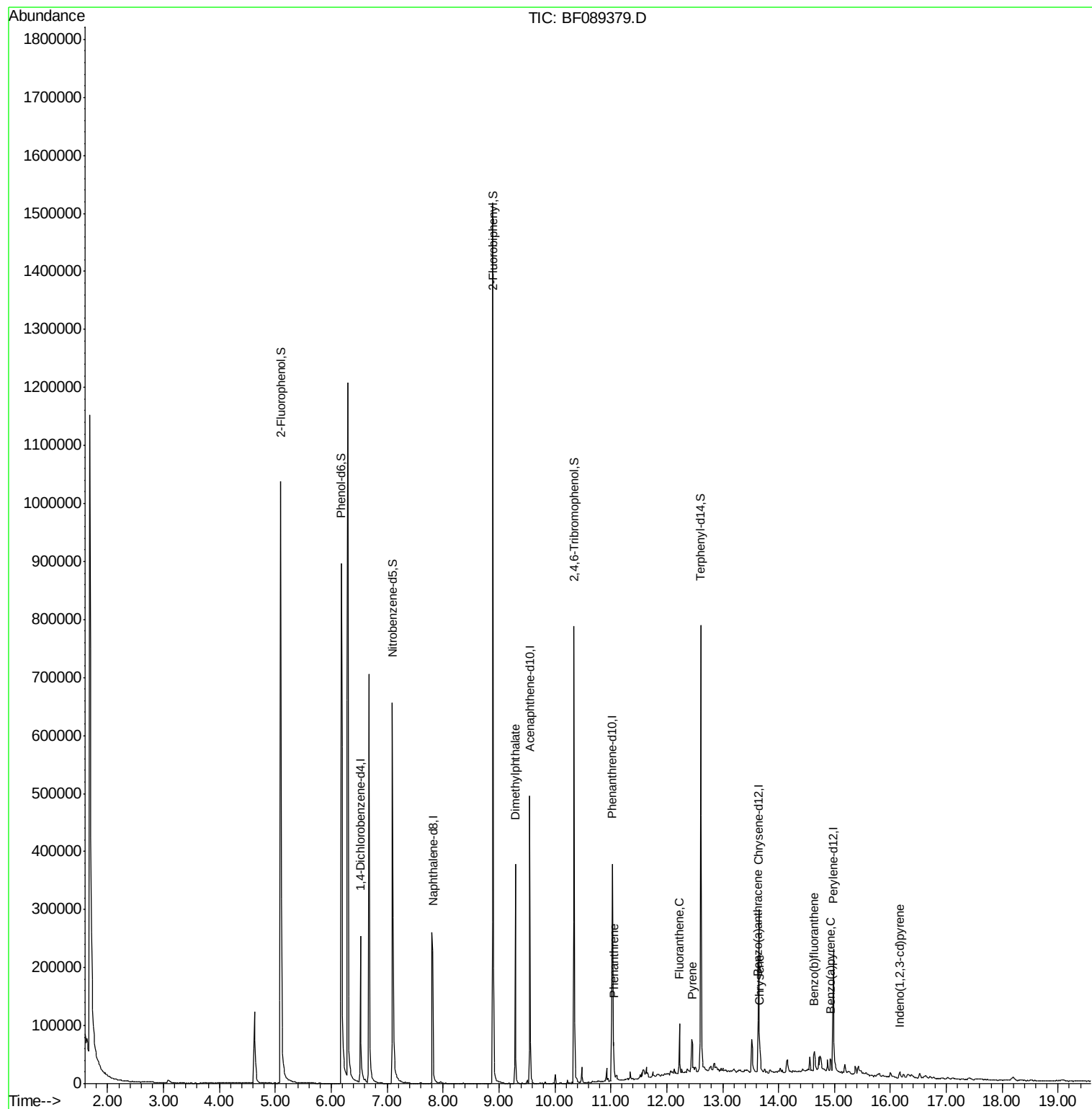
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	48884	20.00	ng	-0.02
21) Naphthalene-d8	7.82	136	198826	20.00	ng	-0.01
38) Acenaphthene-d10	9.55	164	94368	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	160566	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	97011	20.00	ng	-0.02
86) Perylene-d12	14.98	264	99133	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	357700	116.84	ng	-0.01
7) Phenol-d6	6.18	99	499462	123.45	ng	-0.02
23) Nitrobenzene-d5	7.10	82	307572	91.31	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	89306	114.26	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	485662	75.53	ng	-0.02
78) Terphenyl-d14	12.61	244	290936	70.19	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.29	163	143627	20.00	ng	99
70) Phenanthrene	11.05	178	22750	2.75	ng	99
74) Fluoranthene	12.23	202	38468	4.42	ng	99
77) Pyrene	12.46	202	33492	4.56	ng	99
80) Benzo(a)anthracene	13.63	228	16463	3.01	ng	97
82) Chrysene	13.67	228	12663	2.17	ng	99
85) Indeno(1,2,3-cd)pyrene	16.17	276	8316	2.01	ng	92
87) Benzo(b)fluoranthene	14.64	252	18513m	3.01	ng	
89) Benzo(a)pyrene	14.93	252	14051	2.54	ng	97

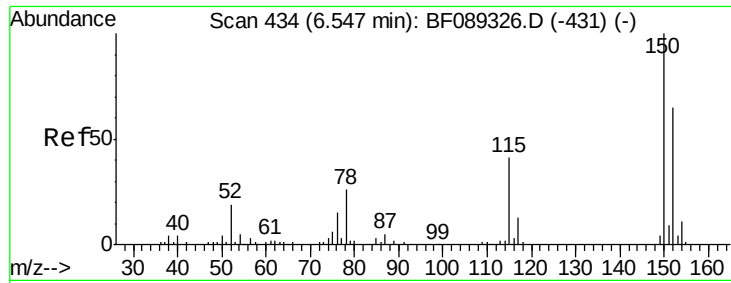
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
Data File : BF089379.D
Acq On : 28 Jul 2016 23:12
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Sample : H4205-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

Quant Time: Jul 29 03:04:21 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
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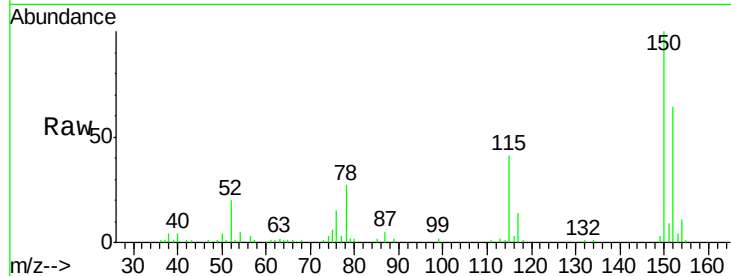


#1

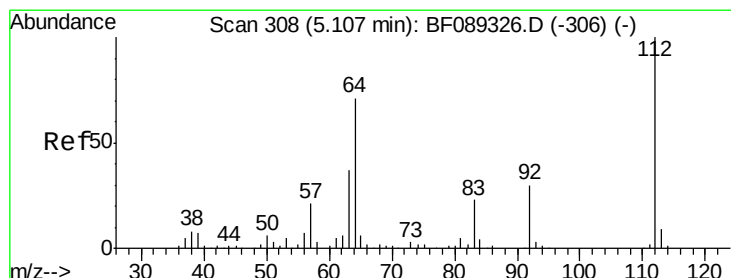
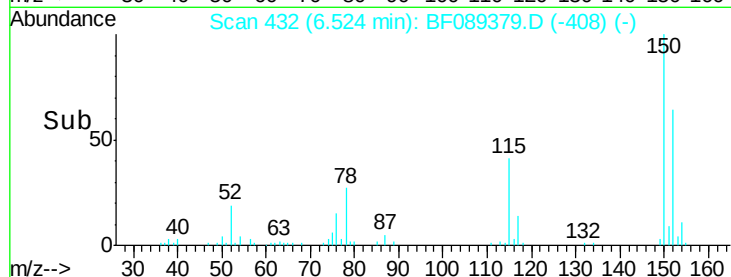
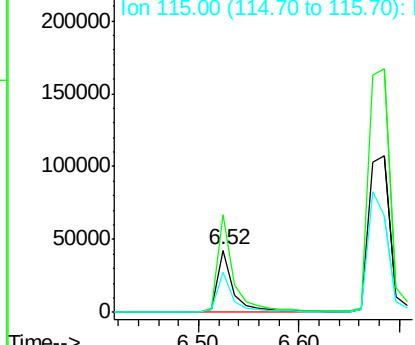
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 432
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

Tgt Ion:152 Resp: 48884
Ion Ratio Lower Upper
152 100
150 156.1 129.5 194.3
115 64.4 51.4 77.2



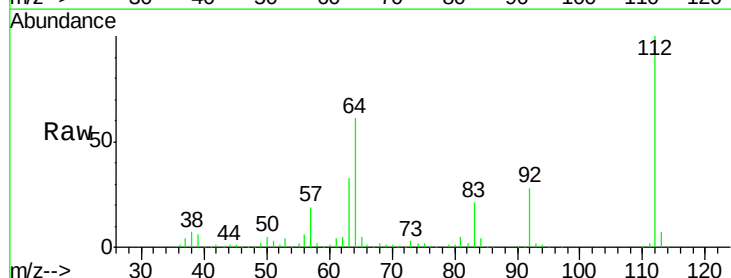
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



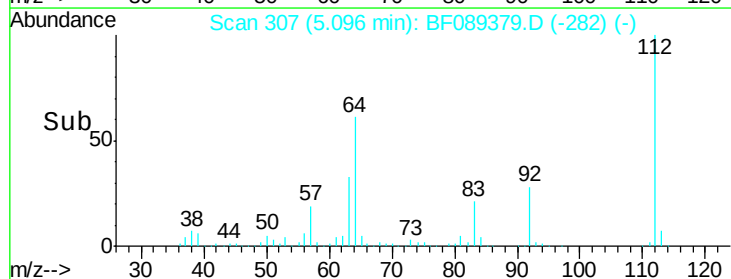
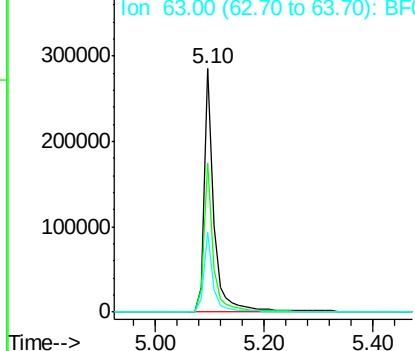
#5

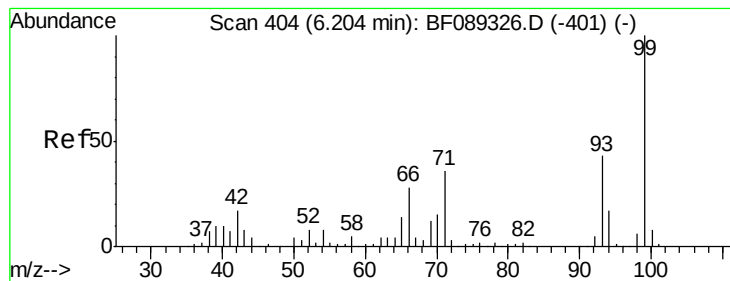
2-Fluorophenol
Concen: 116.84 ng
RT: 5.10 min Scan# 307
Delta R.T. -0.01 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Tgt Ion:112 Resp: 357700
Ion Ratio Lower Upper
112 100
64 61.3 55.0 82.6
63 32.8 29.4 44.2



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: 123.45 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF089379.D

Acq: 28 Jul 2016 23:12

Instrument :

BNA_F

ClientSampleId :

SB-40-4.0-5.0

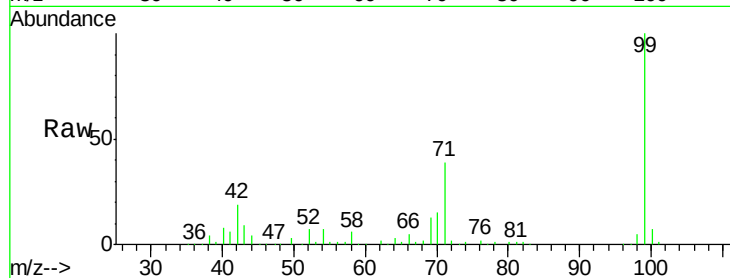
Tgt Ion: 99 Resp: 499462

Ion Ratio Lower Upper

99 100

42 18.8 13.6 20.4

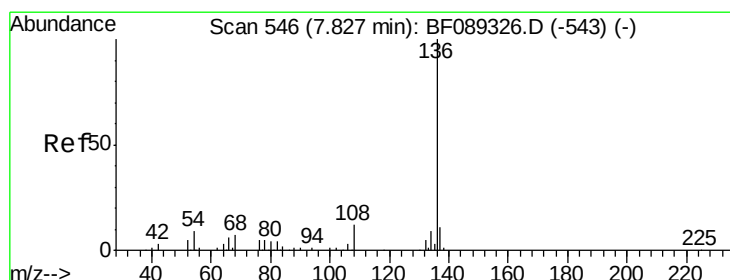
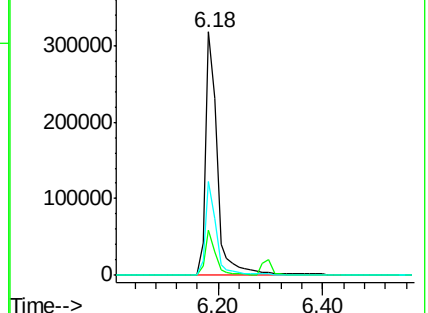
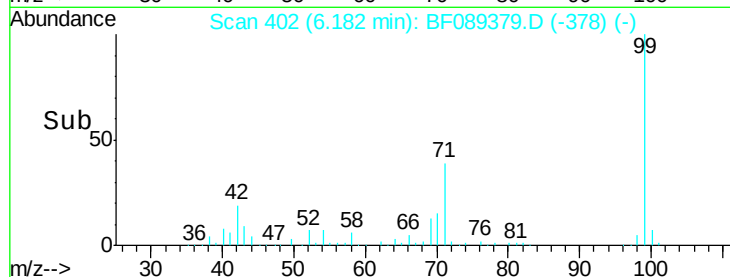
71 38.6 29.4 44.2



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: 7.82 min Scan# 545

Delta R.T. -0.01 min

Lab File: BF089379.D

Acq: 28 Jul 2016 23:12

Tgt Ion: 136 Resp: 198826

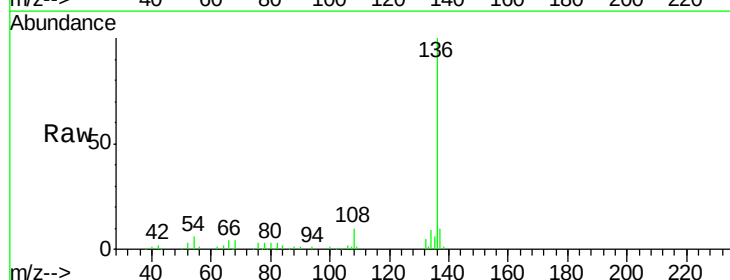
Ion Ratio Lower Upper

136 100

137 10.2 8.6 13.0

54 5.6 7.0 10.4#

68 4.2 4.9 7.3#

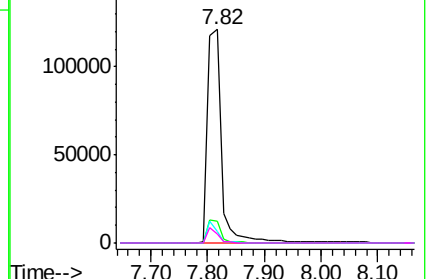
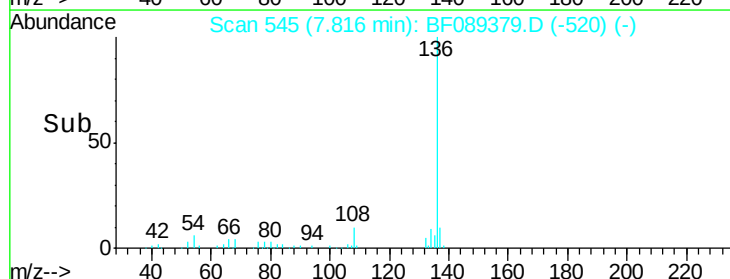


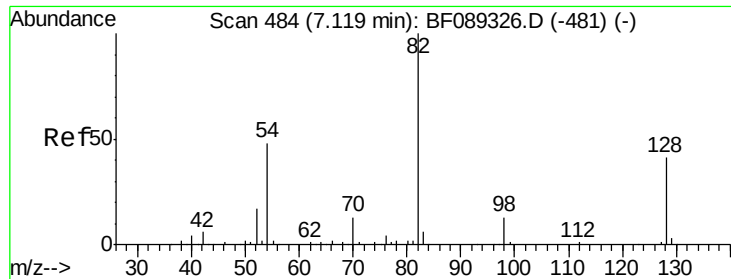
Abundance Ion 136.00 (135.70 to 136.70): E

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

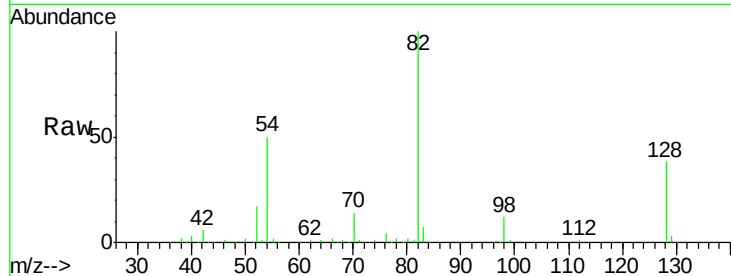




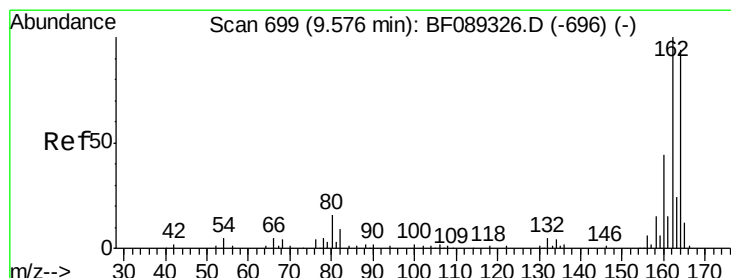
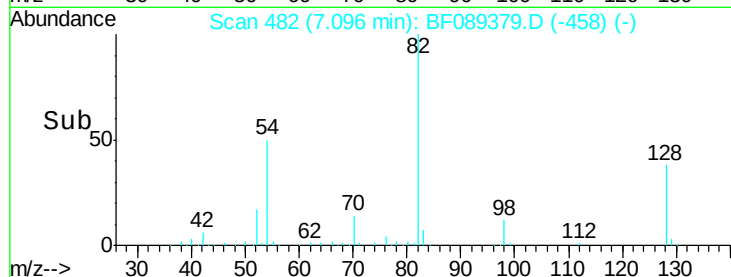
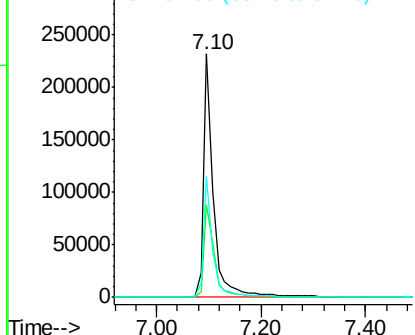
#23
 Nitrobenzene-d5
 Concen: 91.31 ng
 RT: 7.10 min Scan# 482
 Delta R.T. -0.02 min
 Lab File: BF089379.D
 Acq: 28 Jul 2016 23:12

Instrument :
 BNA_F
 ClientSampleId :
 SB-40-4.0-5.0

Tgt Ion: 82 Resp: 307572
 Ion Ratio Lower Upper
 82 100
 128 38.3 32.5 48.7
 54 49.6 38.8 58.2

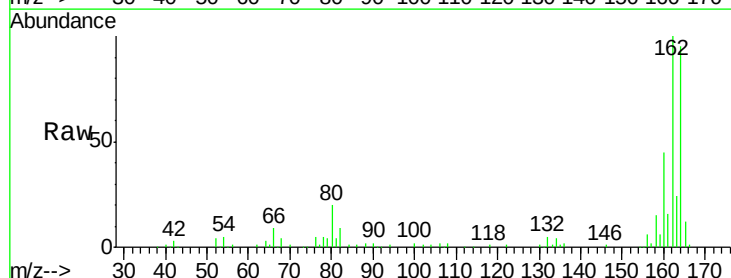


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

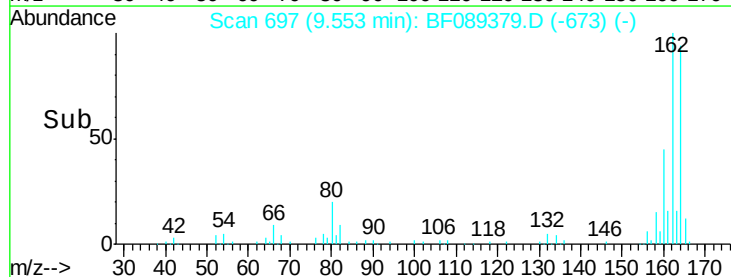
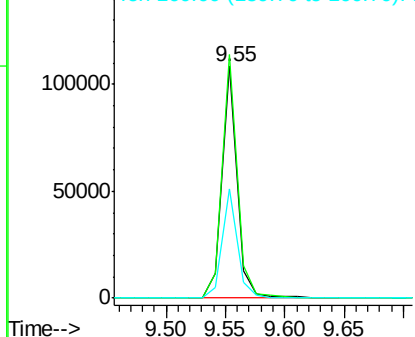


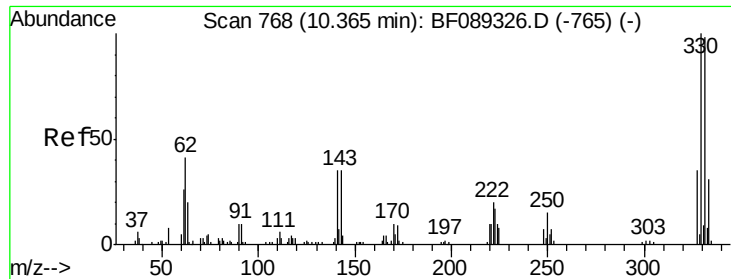
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: BF089379.D
 Acq: 28 Jul 2016 23:12

Tgt Ion: 164 Resp: 94368
 Ion Ratio Lower Upper
 164 100
 162 105.0 83.7 125.5
 160 47.1 37.8 56.6



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

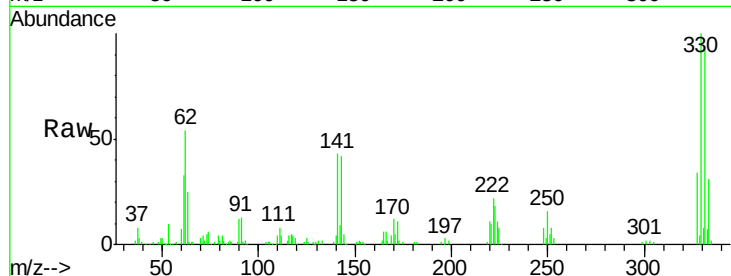




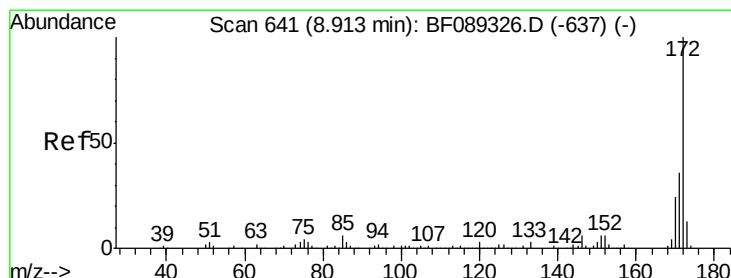
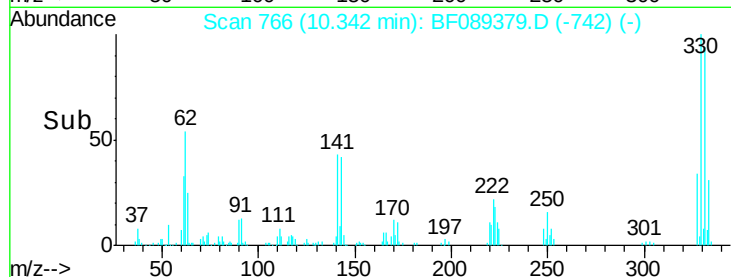
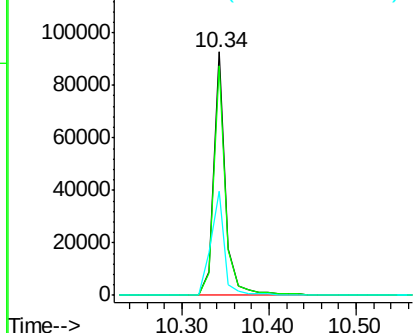
#41
 2,4,6-Tribromophenol
 Concen: 114.26 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089379.D
 Acq: 28 Jul 2016 23:12

Instrument :
 BNA_F
 ClientSampleId :
 SB-40-4.0-5.0

Tgt Ion:330 Resp: 89306
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.8 115.2
 141 49.1 37.3 55.9

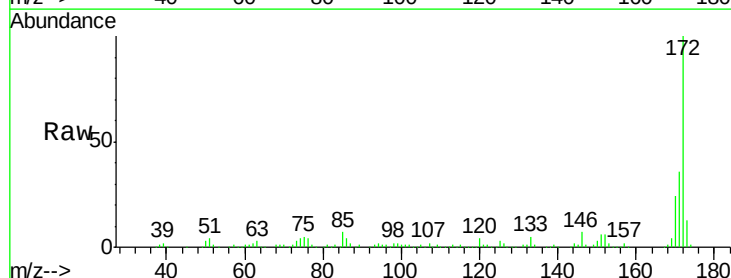


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

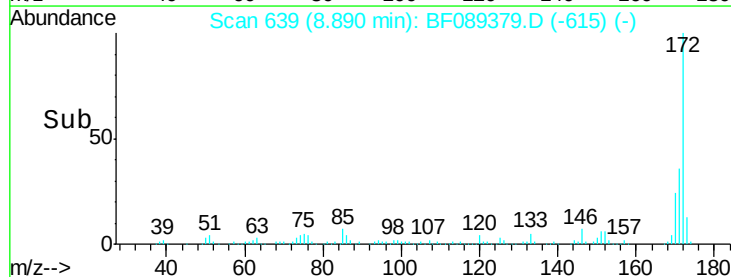
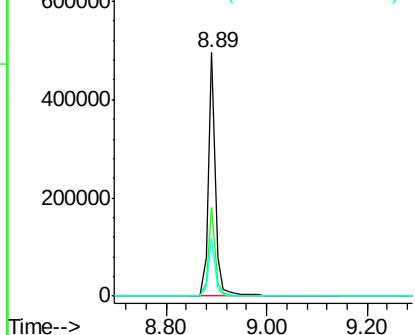


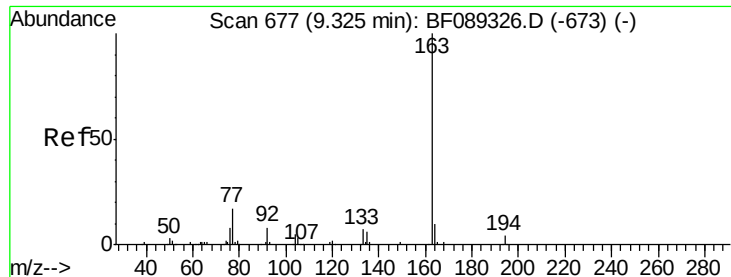
#44
 2-Fluorobiphenyl
 Concen: 75.53 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089379.D
 Acq: 28 Jul 2016 23:12

Tgt Ion:172 Resp: 485662
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.2 43.8
 170 23.7 19.2 28.8



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

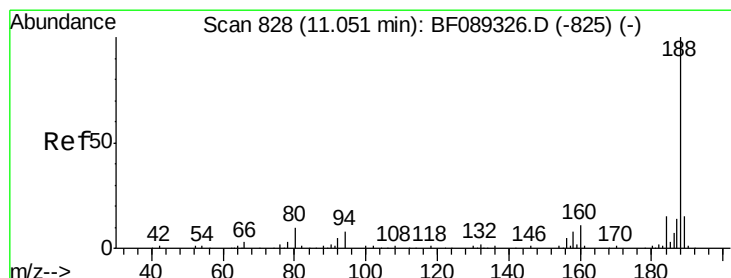
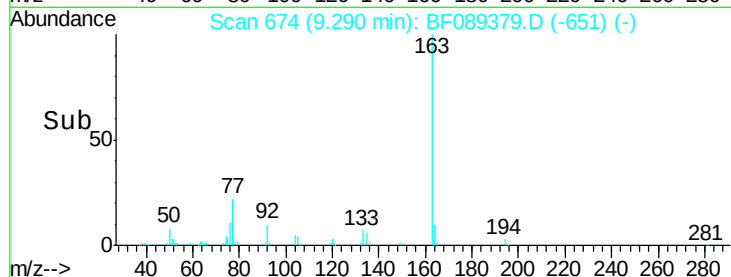
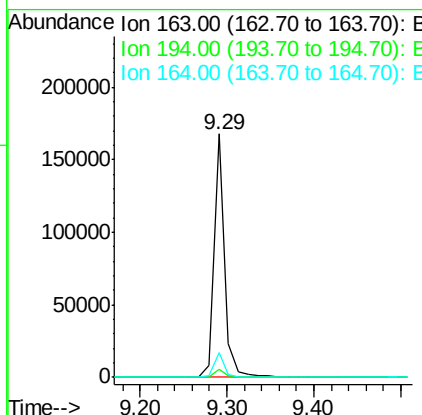
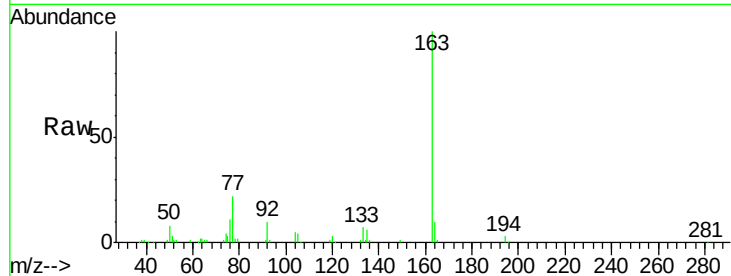




#49
Dimethylphthalate
Concen: 20.00 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.03 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

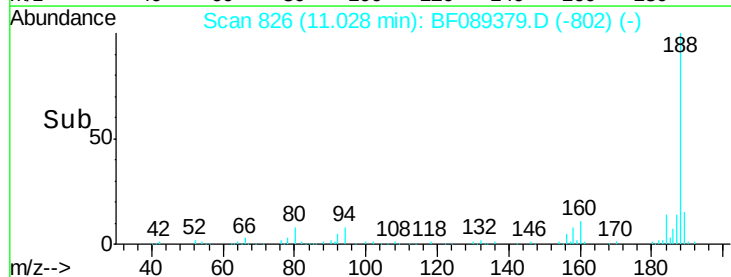
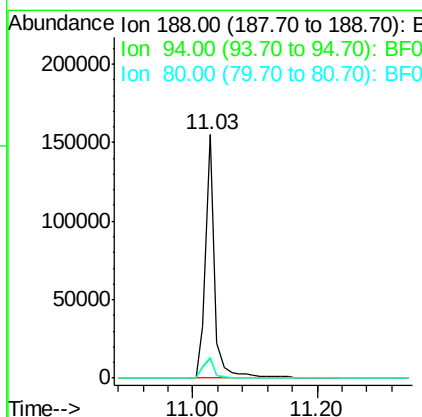
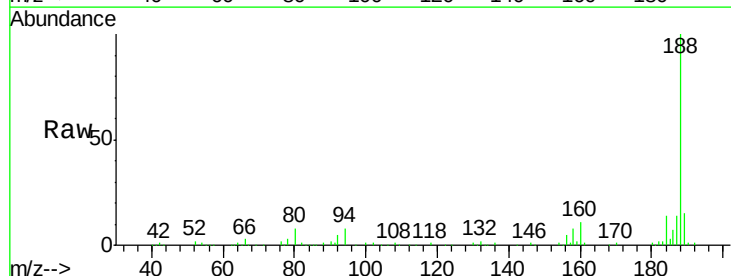
Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

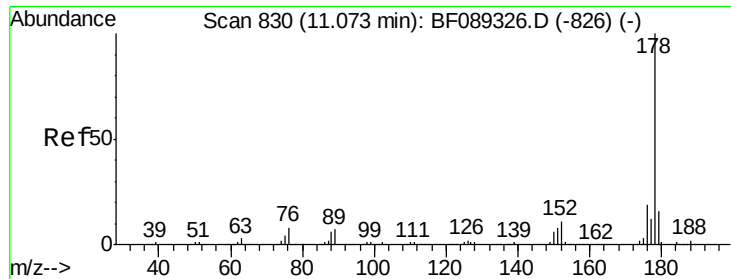
Tgt Ion:163 Resp: 143627
Ion Ratio Lower Upper
163 100
194 3.4 2.8 4.2
164 10.1 7.8 11.8



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Tgt Ion:188 Resp: 160566
Ion Ratio Lower Upper
188 100
94 8.1 6.5 9.7
80 8.4 7.2 10.8

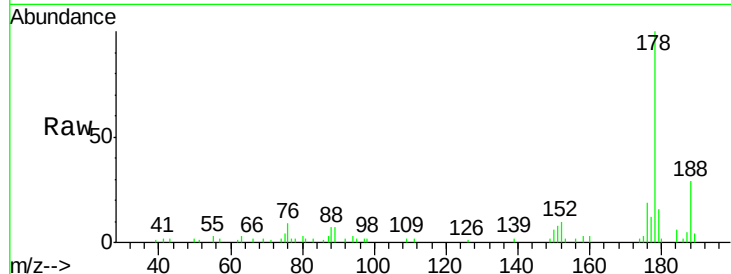




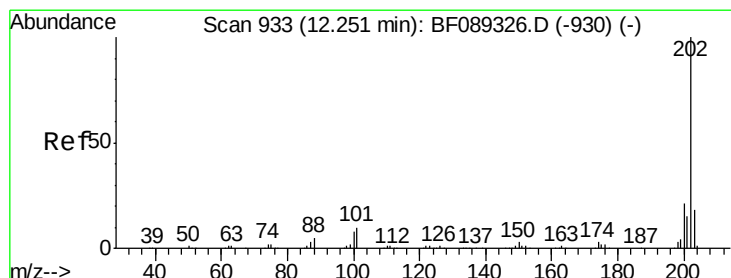
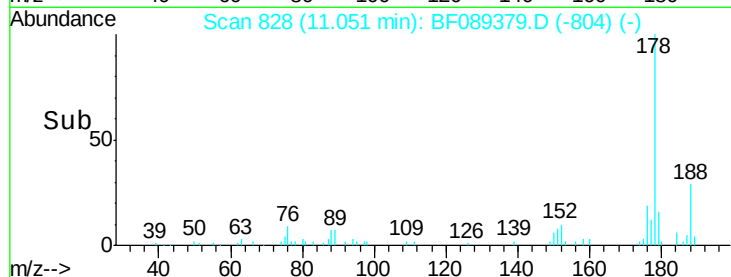
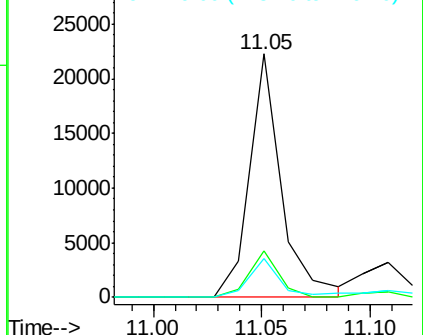
#70
Phenanthrene
Concen: 2.75 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

Tgt Ion:178 Resp: 22750
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 16.2 12.3 18.5

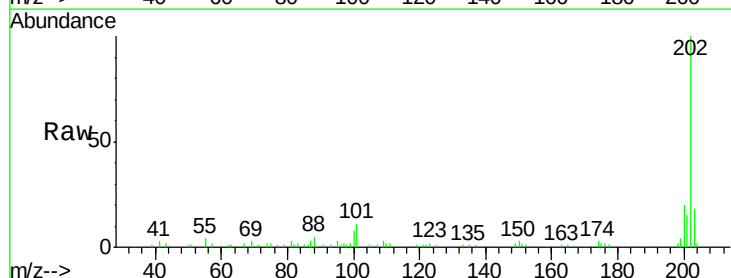


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

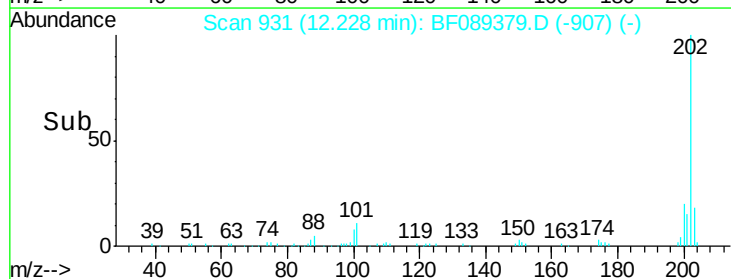
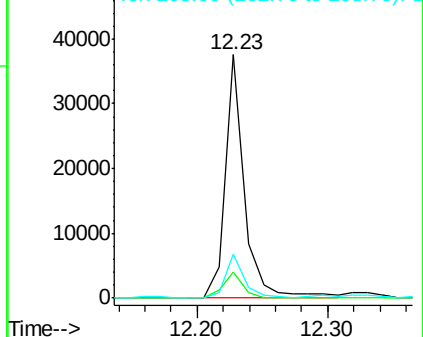


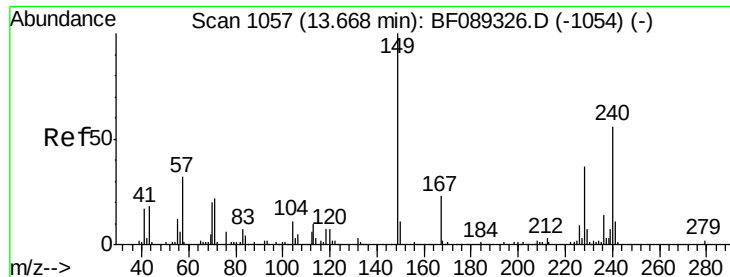
#74
Fluoranthene
Concen: 4.42 ng
RT: 12.23 min Scan# 931
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Tgt Ion:202 Resp: 38468
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.9
203 17.8 0.0 37.3



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.65 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF089379.D

Acq: 28 Jul 2016 23:12

Instrument :

BNA_F

ClientSampleId :

SB-40-4.0-5.0

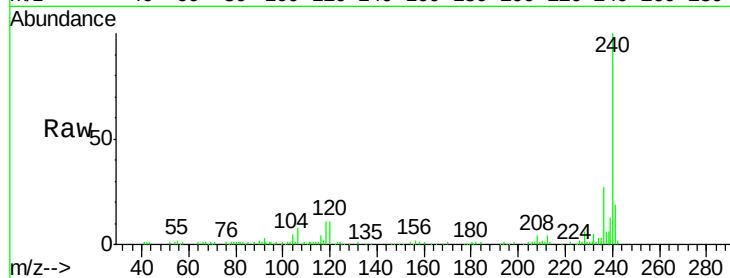
Tgt Ion:240 Resp: 97011

Ion Ratio Lower Upper

240 100

120 11.4 9.1 13.7

236 26.6 20.6 30.8



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

120000

100000

80000

60000

40000

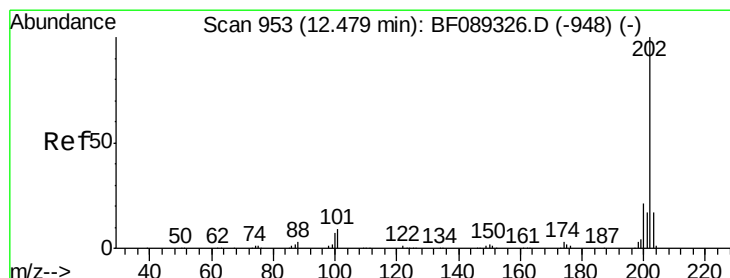
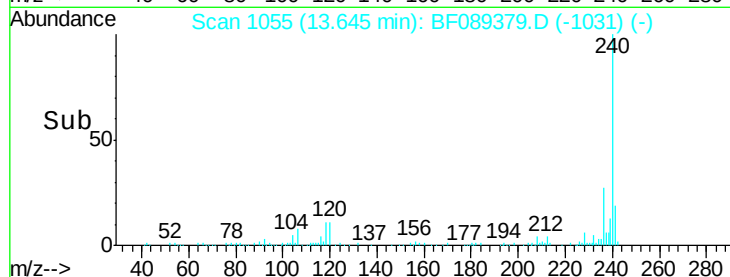
20000

0

13.65

13.60 13.70 13.80

Time-->



#77

Pyrene

Concen: 4.56 ng

RT: 12.46 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF089379.D

Acq: 28 Jul 2016 23:12

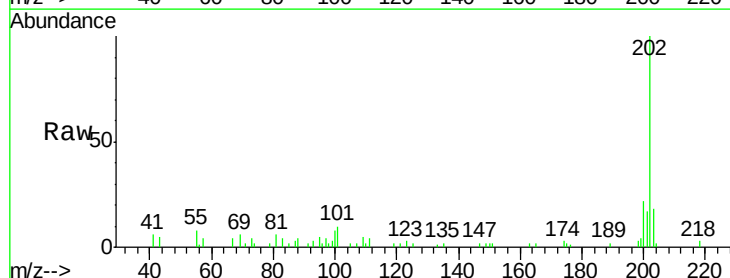
Tgt Ion:202 Resp: 33492

Ion Ratio Lower Upper

202 100

200 21.6 16.9 25.3

203 18.4 14.0 21.0



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

30000

25000

20000

15000

10000

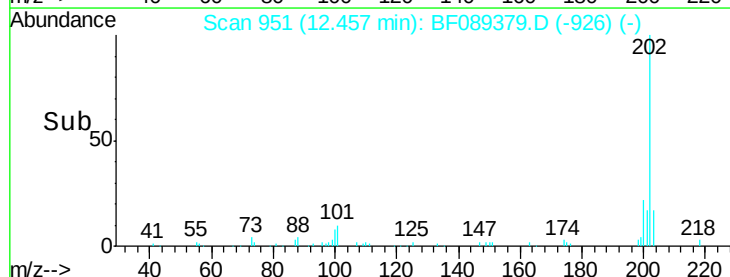
5000

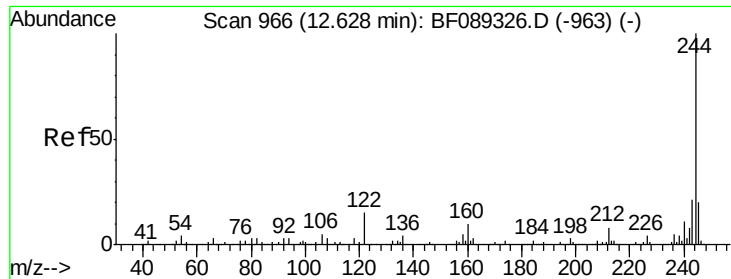
0

12.46

12.30 12.40 12.50 12.60

Time-->

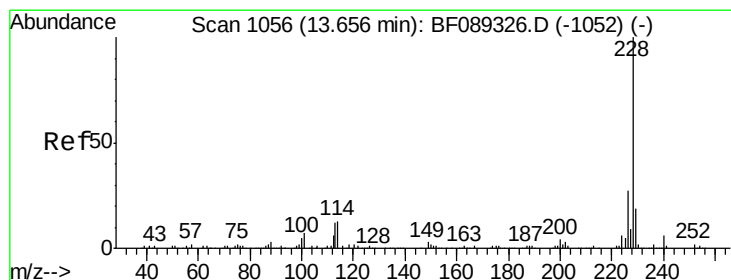
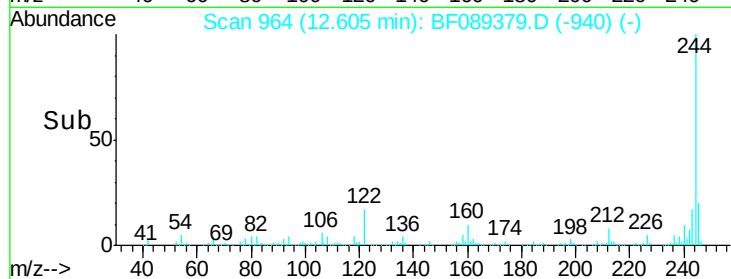
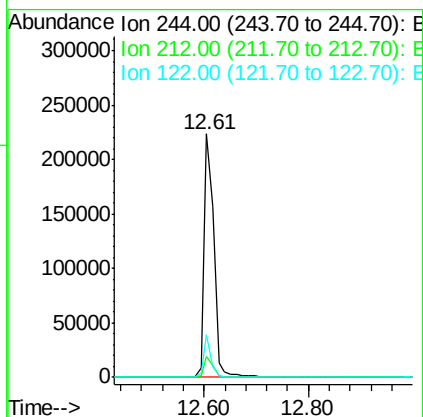
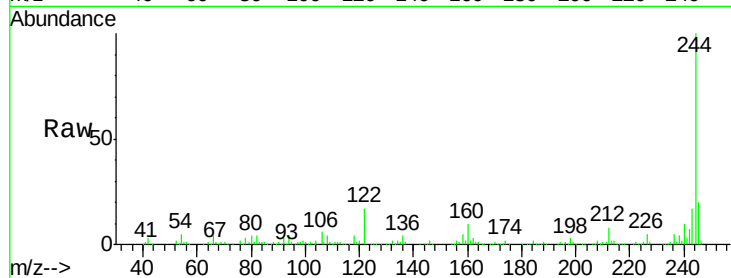




#78
 Terphenyl-d14
 Concen: 70.19 ng
 RT: 12.61 min Scan# 964
 Delta R.T. -0.02 min
 Lab File: BF089379.D
 Acq: 28 Jul 2016 23:12

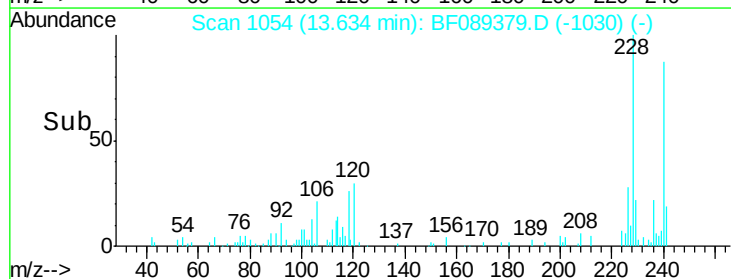
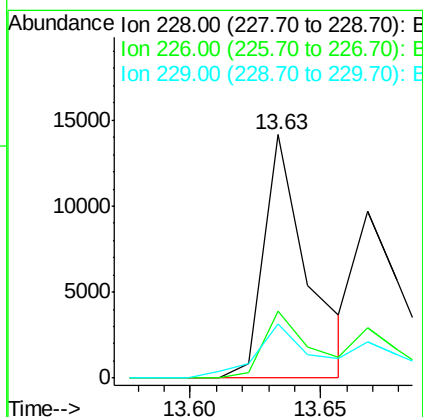
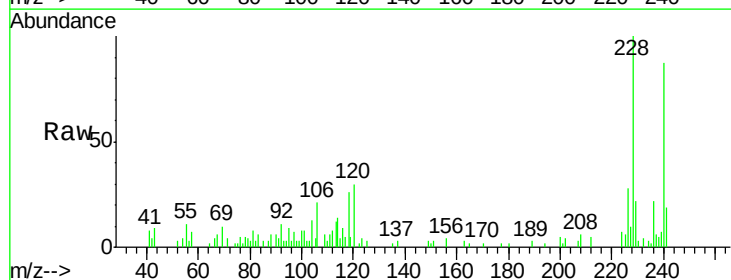
Instrument :
 BNA_F
 ClientSampleId :
 SB-40-4.0-5.0

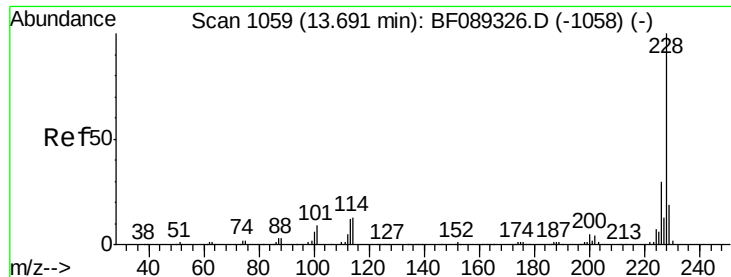
Tgt Ion:244 Resp: 290936
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.5 9.7
 122 17.4 11.4 17.0#



#80
 Benzo(a)anthracene
 Concen: 3.01 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: BF089379.D
 Acq: 28 Jul 2016 23:12

Tgt Ion:228 Resp: 16463
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.4 32.2
 229 22.2 15.9 23.9





#82

Chrysene

Concen: 2.17 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.02 min

Lab File: BF089379.D

Acq: 28 Jul 2016 23:12

Instrument :

BNA_F

ClientSampleId :

SB-40-4.0-5.0

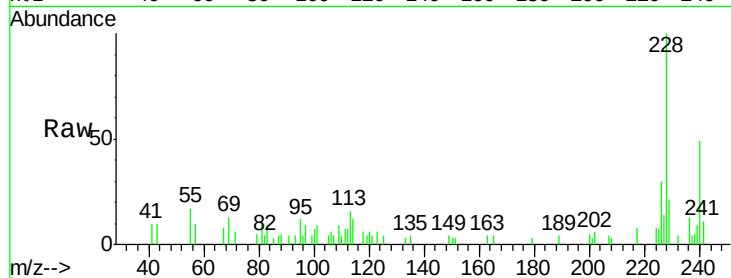
Tgt Ion:228 Resp: 12663

Ion Ratio Lower Upper

228 100

226 30.1 24.2 36.2

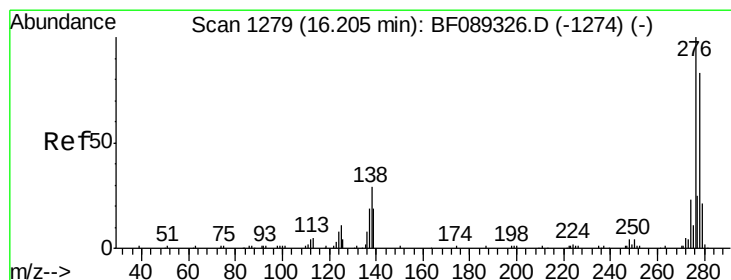
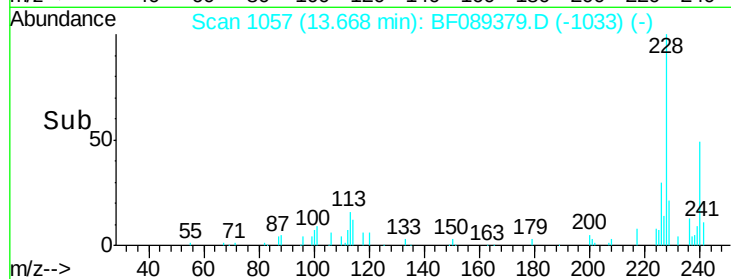
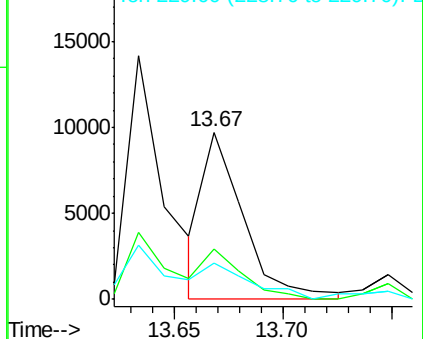
229 21.5 15.9 23.9



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.01 ng

RT: 16.17 min Scan# 1276

Delta R.T. -0.03 min

Lab File: BF089379.D

Acq: 28 Jul 2016 23:12

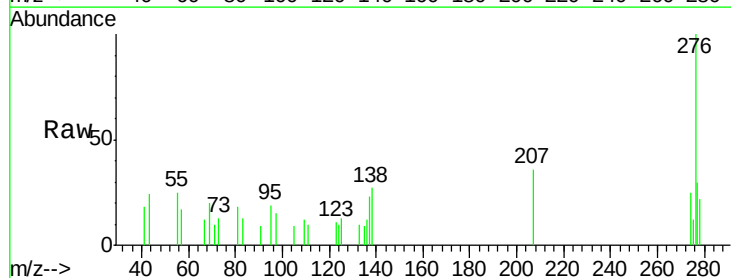
Tgt Ion:276 Resp: 8316

Ion Ratio Lower Upper

276 100

138 23.2 23.0 34.4

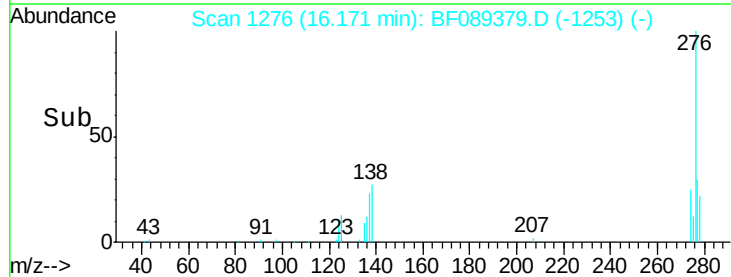
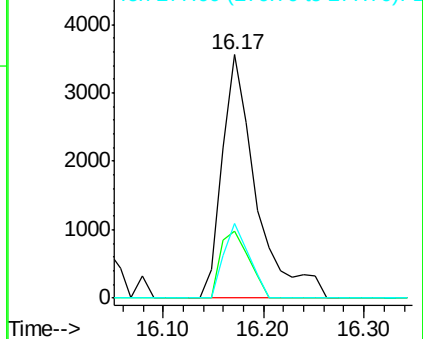
277 22.8 20.2 30.4

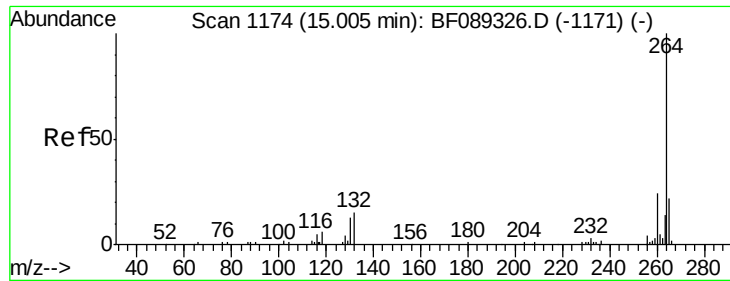


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

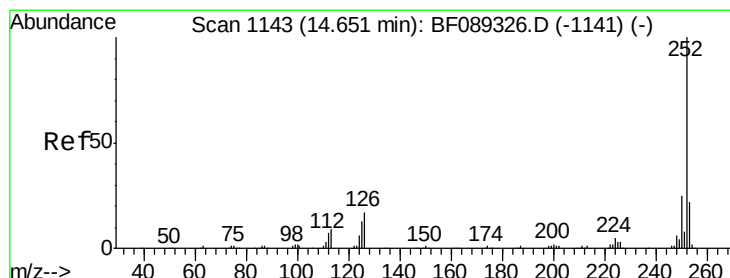
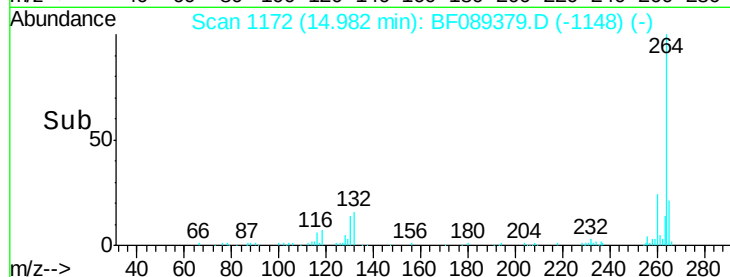
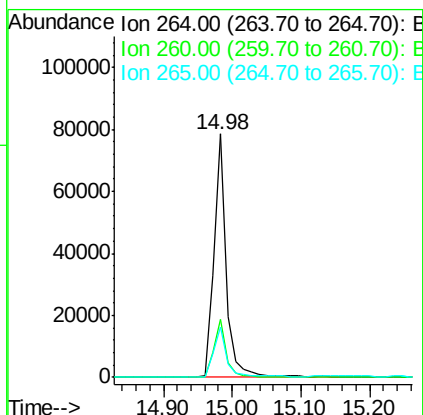
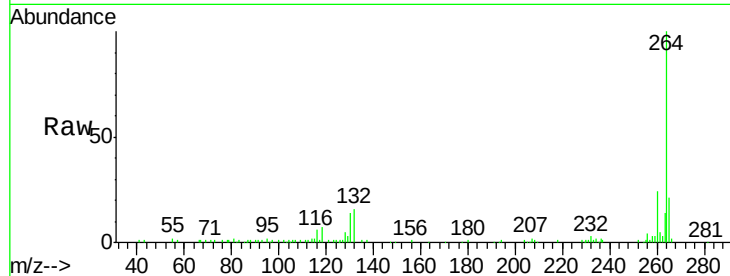




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

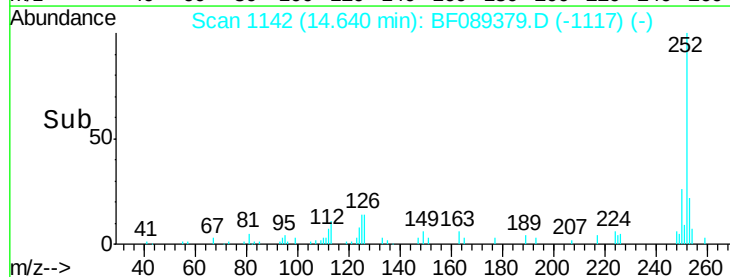
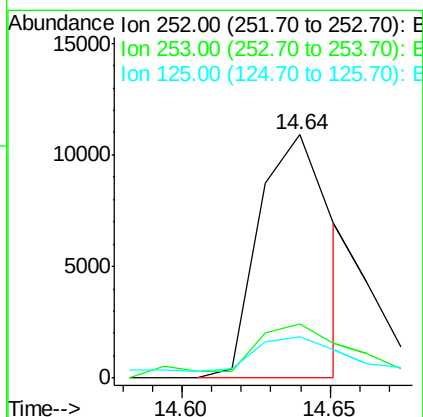
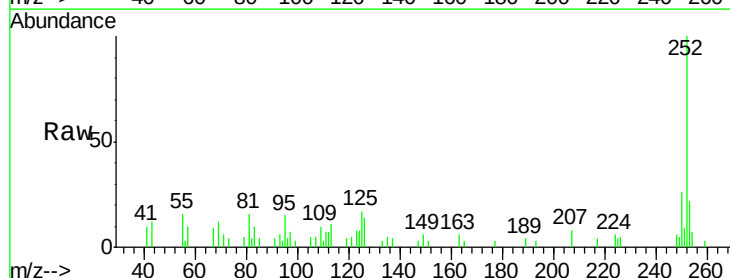
Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

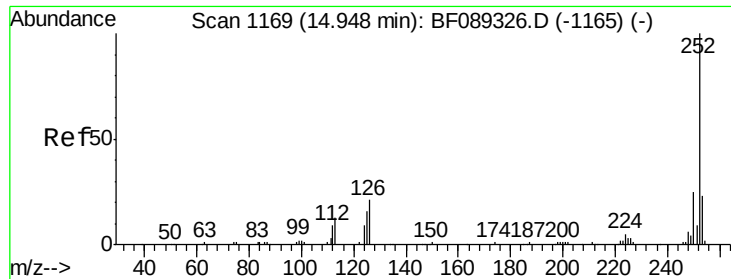
Tgt Ion:264 Resp: 99133
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.4
265 20.9 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 3.01 ng m
RT: 14.64 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Tgt Ion:252 Resp: 18513
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 16.9 9.7 14.5#





#89

Benzo(a)pyrene

Concen: 2.54 ng

RT: 14.93 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF089379.D

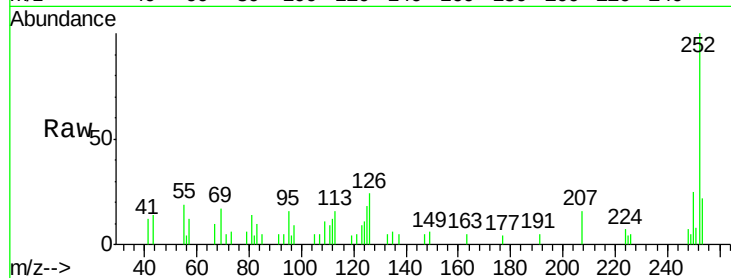
Acq: 28 Jul 2016 23:12

Instrument :

BNA_F

ClientSampleId :

SB-40-4.0-5.0



Tgt Ion:	252	Resp:	14051
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	18.0	12.4	18.6

