

Data Path : Z:\HPCHEM1\BNA F\Data\BF040617\
 Data File : BF094235.D
 Acq On : 6 Apr 2017 18:27
 Operator : SJ/MA
 Sample : I2538-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCUST-ST-IP(3-5)

Quant Time: Apr 06 18:57:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

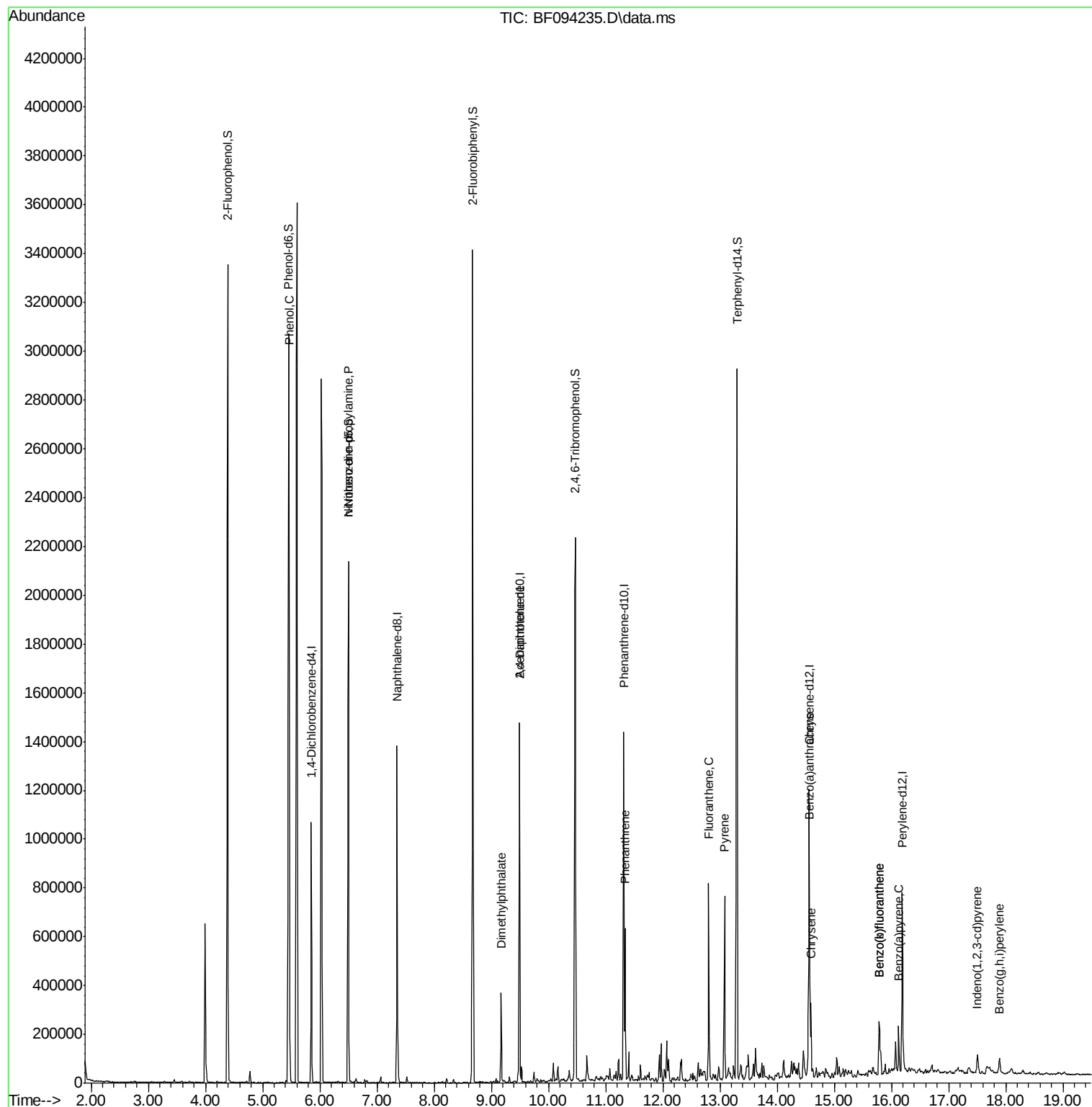
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.851	152	166015	20.00	ng	-0.05
21) Naphthalene-d8	7.351	136	679933	20.00	ng	-0.06
38) Acenaphthene-d10	9.492	164	320321	20.00	ng	-0.06
63) Phenanthrene-d10	11.316	188	575350	20.00	ng	-0.06
75) Chrysene-d12	14.563	240	417991	20.00	ng	-0.06
86) Perylene-d12	16.192	264	289986	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	4.387	112	1089510	110.85	ng	-0.05
7) Phenol-d6	5.457	99	1416106	116.46	ng	-0.05
23) Nitrobenzene-d5	6.498	82	865459	72.64	ng	-0.06
41) 2,4,6-Tribromophenol	10.469	330	307656	121.54	ng	-0.05
44) 2-Fluorobiphenyl	8.681	172	1387465	66.07	ng	-0.05
78) Terphenyl-d14	13.298	244	1093313	58.63	ng	-0.05
Target Compounds						Qvalue
10) Phenol	5.469	94	108237	7.82	ng	91
19) n-Nitroso-di-n-propyla...	6.498	70	113665	14.54	ng	# 78
49) Dimethylphthalate	9.175	163	176591	7.76	ng	99
56) 2,4-Dinitrotoluene	9.492	165	39543	6.03	ng	# 33
70) Phenanthrene	11.345	178	260128	8.13	ng	98
74) Fluoranthene	12.804	202	345496	10.54	ng	99
77) Pyrene	13.080	202	313762	10.34	ng	98
80) Benzo(a)anthracene	14.551	228	125981	5.17	ng	98
82) Chrysene	14.592	228	124440	5.50	ng	97
85) Indeno(1,2,3-cd)pyrene	17.503	276	45034	2.30	ng	# 92
87) Benzo(b)fluoranthene	15.786	252	146106	8.22	ng	# 98
88) Benzo(k)fluoranthene	15.786	252	146106	8.40	ng	98
89) Benzo(a)pyrene	16.127	252	77766	4.75	ng	# 95
91) Benzo(a,h,i)perylene	17.892	276	44126	3.16	ng	97

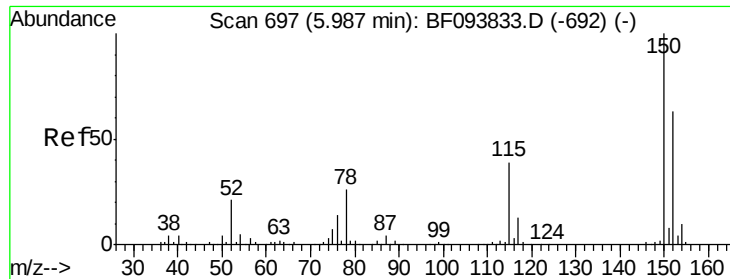
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.851 min Scan# 67

Delta R.T. -0.053 min

Lab File: BF094235.D

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Instrument :

BNA_F

ClientSampleId :

LOCUST-ST-IP(3-5)

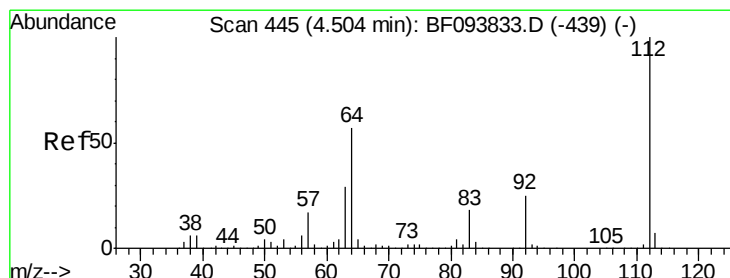
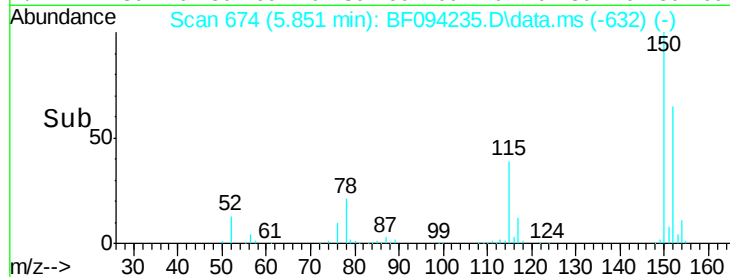
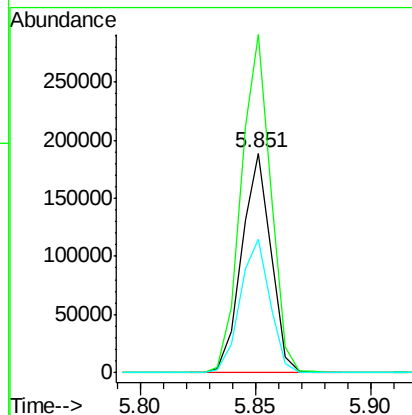
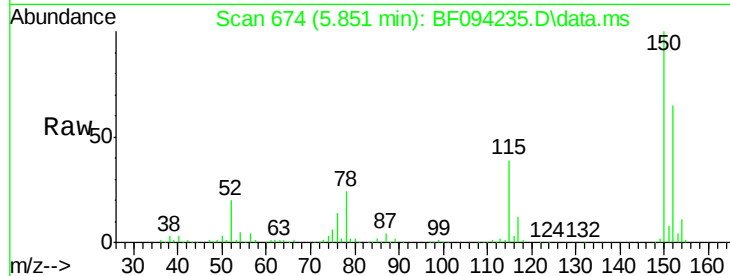
Tot Ion:152 Resp: 166015

Ion Ratio Lower Upper

152 100

150 153.9 126.2 189.2

115 60.4 52.2 78.2



#5

2-Fluorophenol

Concen: 110.85 ng

RT: 4.387 min Scan# 425

Delta R.T. -0.047 min

Lab File: BF094235.D

Acq: 6 Apr 2017 18:27

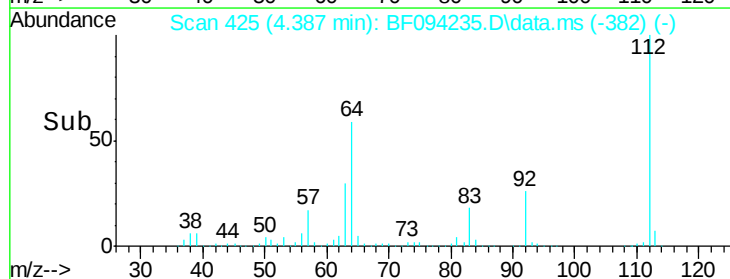
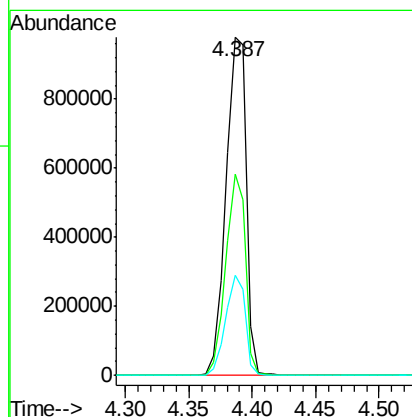
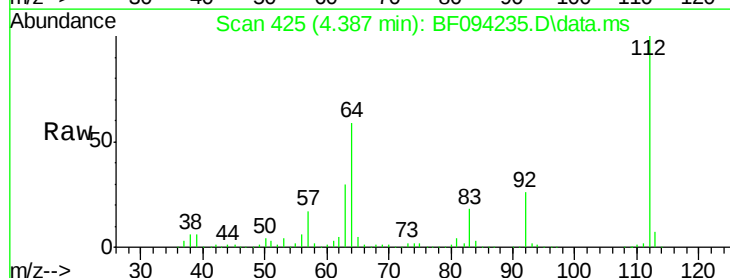
Tgt Ion:112 Resp: 1089510

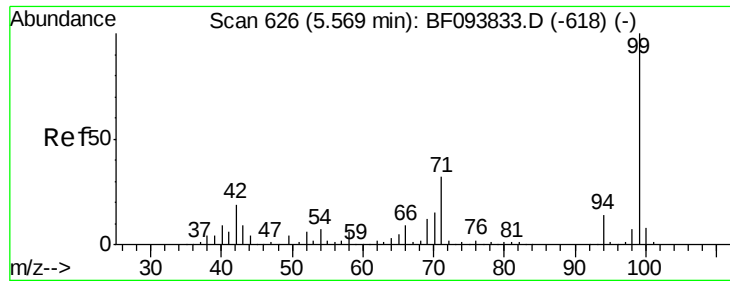
Ion Ratio Lower Upper

112 100

64 59.5 46.0 69.0

63 29.6 23.4 35.0





#7

Phenol-d6

Concen: 116.46 ng

RT: 5.457 min Scan# 60

Delta R.T. -0.053 min

Lab File: BF094235.D

Acq: 6 Apr 2017 18:27

Instrument :

BNA_F

ClientSampleId :

LOCUST-ST-IP(3-5)

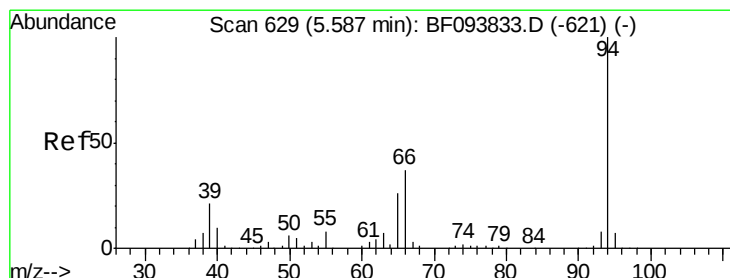
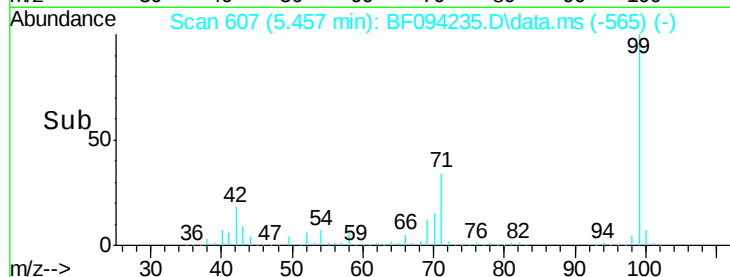
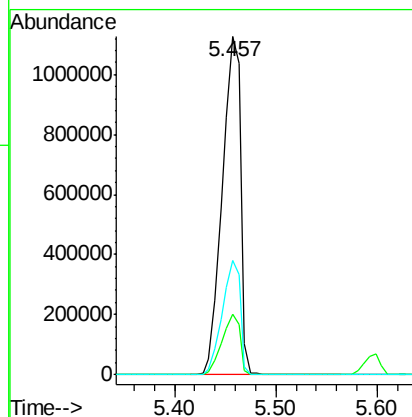
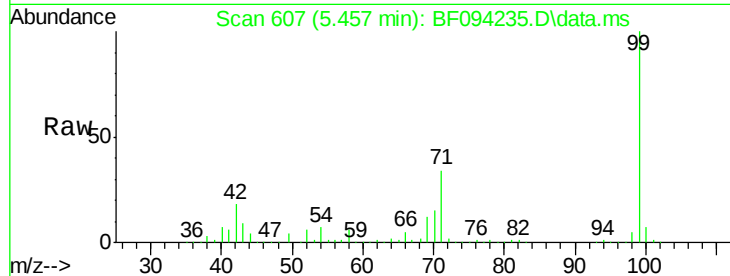
Tot Ion: 99 Resp: 1416106

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

71 33.7 24.5 36.7



#10

Phenol

Concen: 7.82 ng

RT: 5.469 min Scan# 609

Delta R.T. -0.059 min

Lab File: BF094235.D

Acq: 6 Apr 2017 18:27

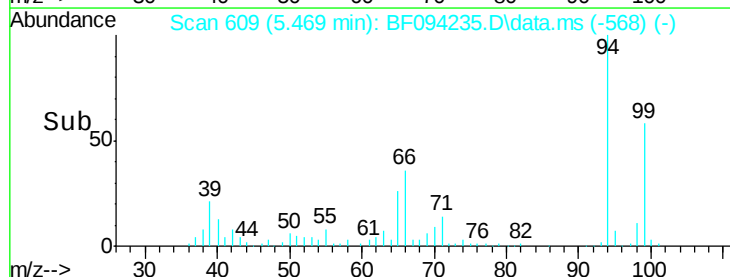
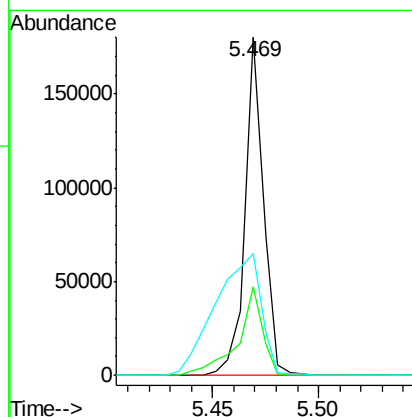
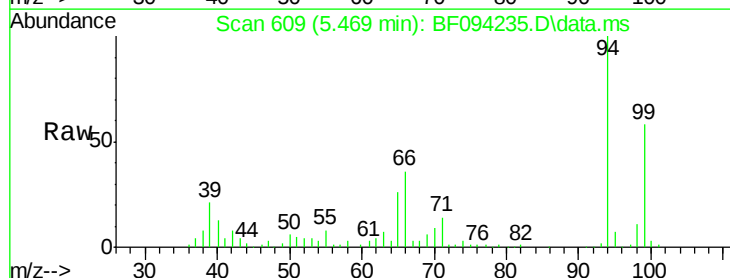
Tgt Ion: 94 Resp: 108237

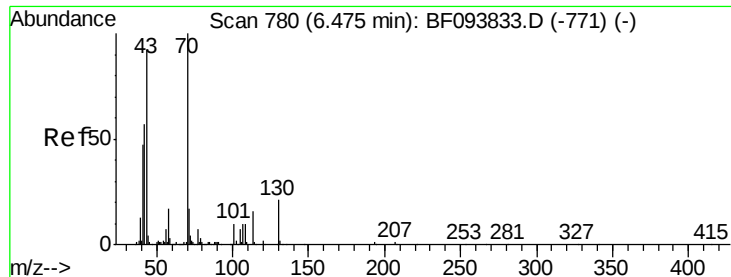
Ion Ratio Lower Upper

94 100

65 26.3 9.9 49.9

66 36.0 23.1 63.1

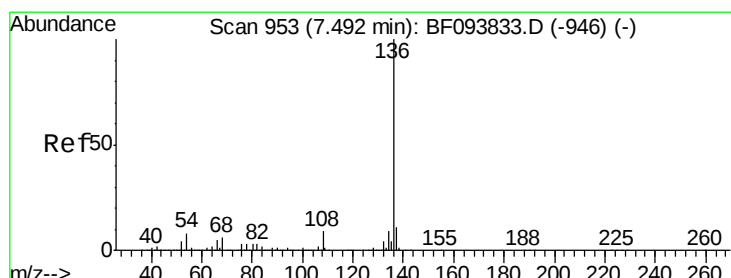
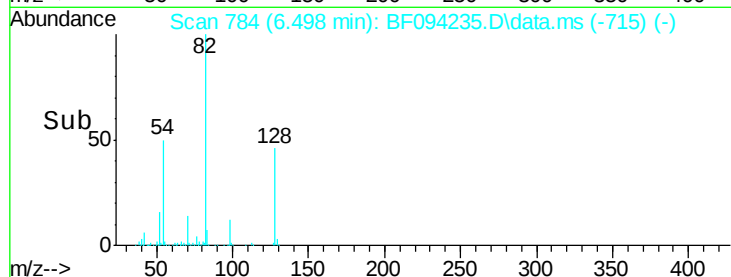
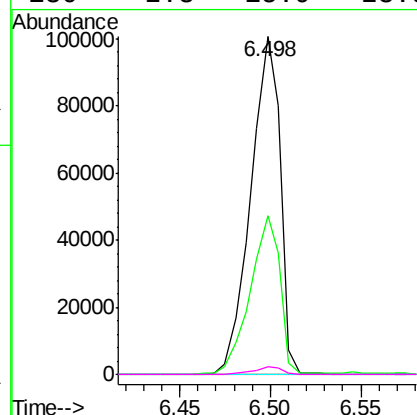
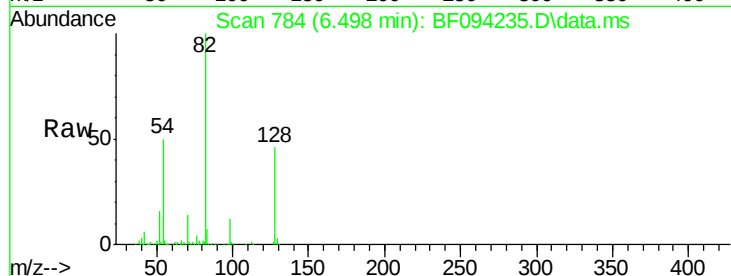




#19
n-Nitroso-di-n-propylamine
Concen: 14.54 ng
RT: 6.498 min Scan# 780
Delta R.T. 0.106 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

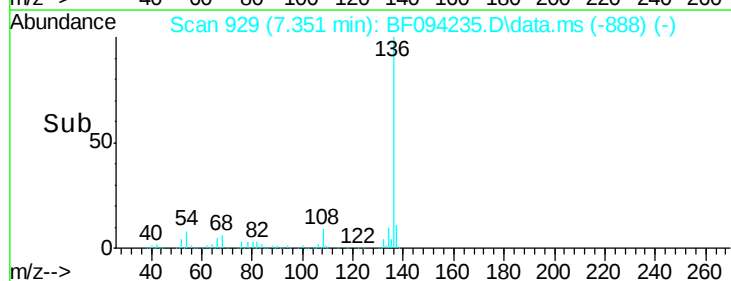
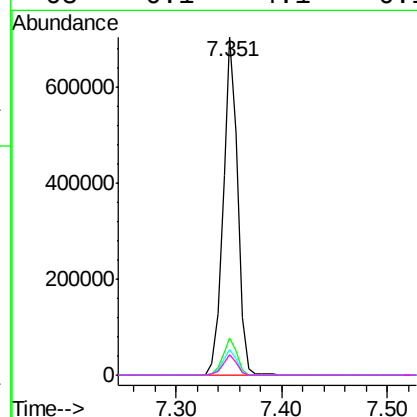
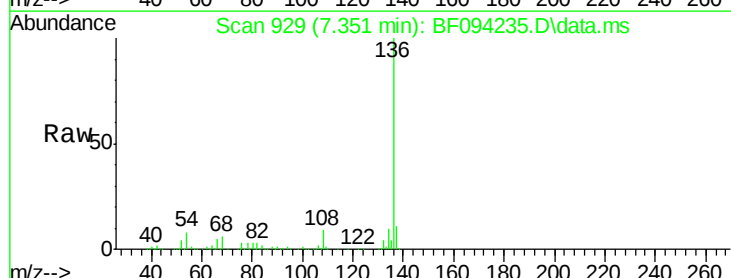
Instrument :
BNA_F
ClientSampleId :
LOCUST-ST-IP(3-5)

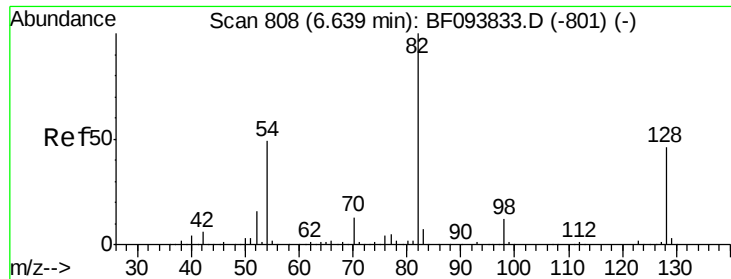
Tot Ion: 70 Resp: 113665
Ion Ratio Lower Upper
70 100
42 47.0 47.2 70.8#
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.351 min Scan# 929
Delta R.T. -0.059 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Tgt Ion: 136 Resp: 679933
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 7.7 4.9 7.3#
68 6.1 4.1 6.1

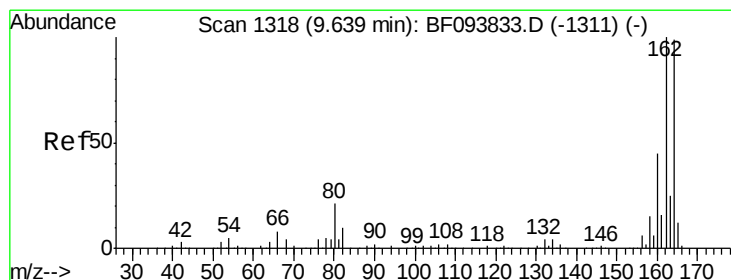
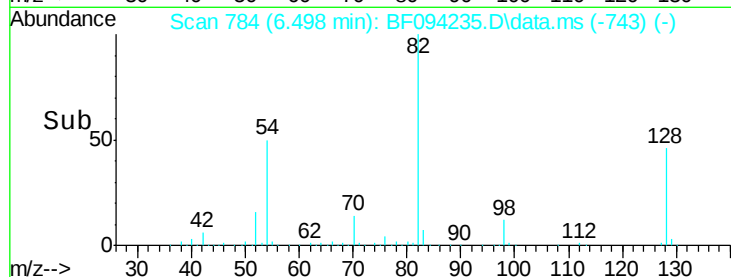
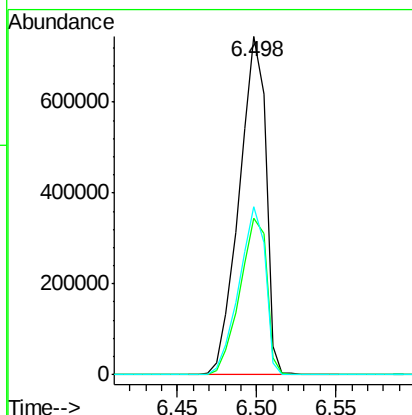
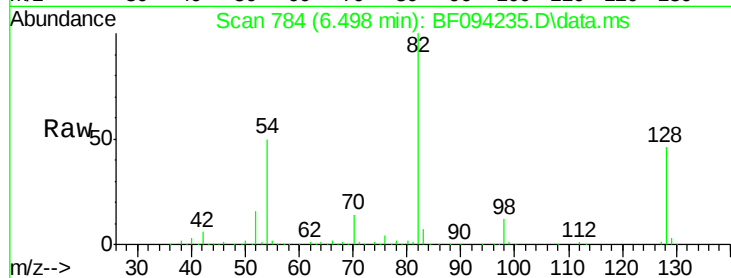




#23
Nitrobenzene-d5
Concen: 72.64 ng
RT: 6.498 min Scan# 78
Delta R.T. -0.059 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

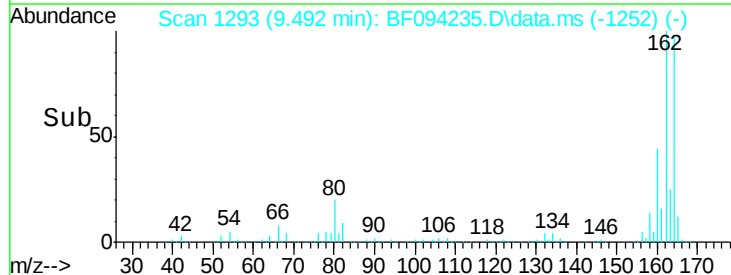
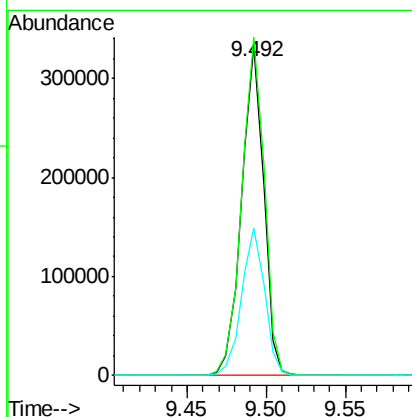
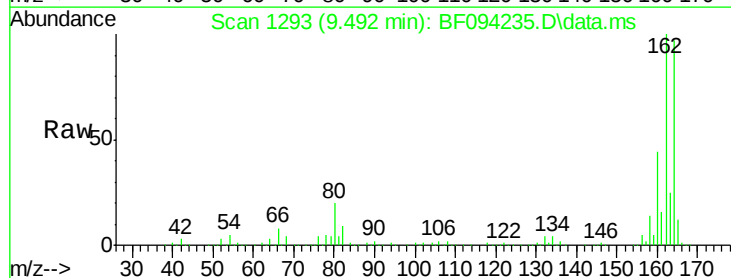
Instrument :
BNA_F
ClientSampleId :
LOCUST-ST-IP(3-5)

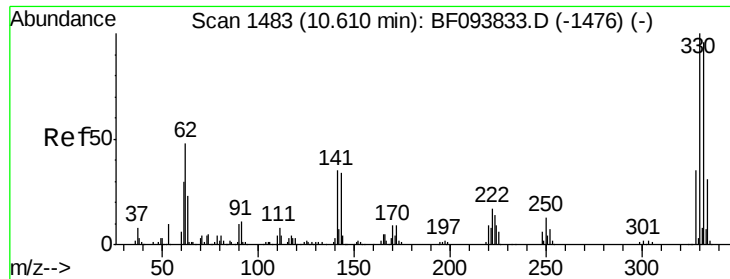
Tot Ion	82	Resp	865459
Ion Ratio	Lower	Upper	
82	100		
128	46.2	34.0	51.0
54	49.7	42.2	63.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.492 min Scan# 1293
Delta R.T. -0.059 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Tgt Ion	164	Resp	320321
Ion Ratio	Lower	Upper	
164	100		
162	102.8	82.6	123.8
160	44.9	36.2	54.2

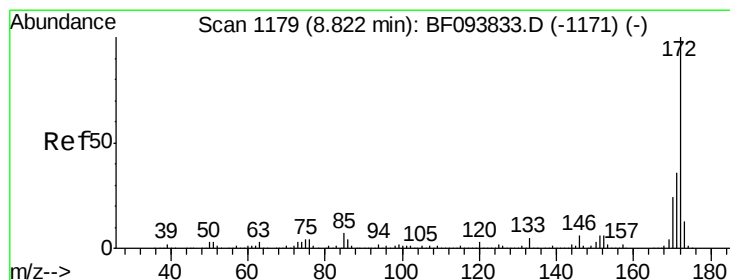
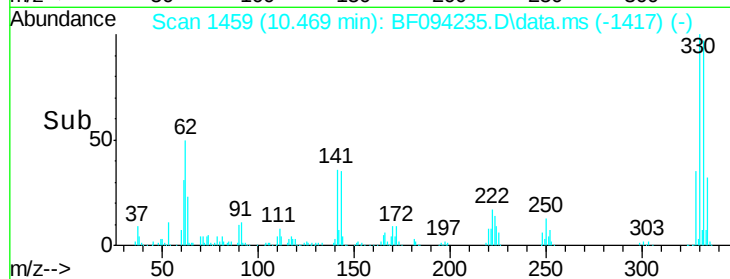
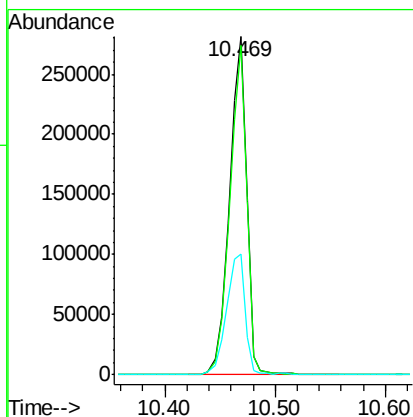
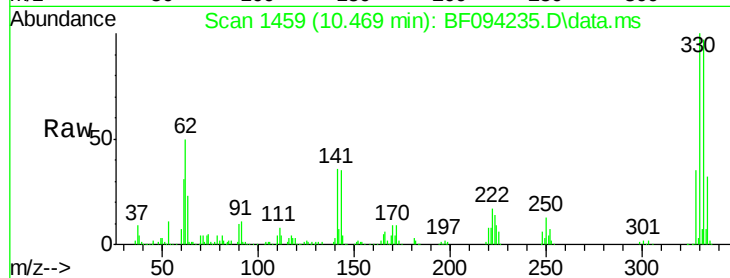




#41
 2,4,6-Tribromophenol
 Concen: 121.54 ng
 RT: 10.469 min Scan# 1483
 Delta R.T. -0.053 min
 Lab File: BF094235.D
 Acq: 6 Apr 2017 18:27

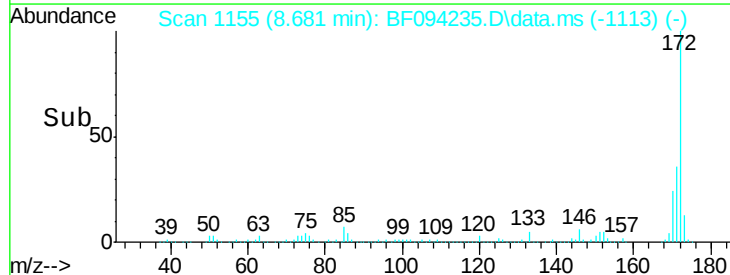
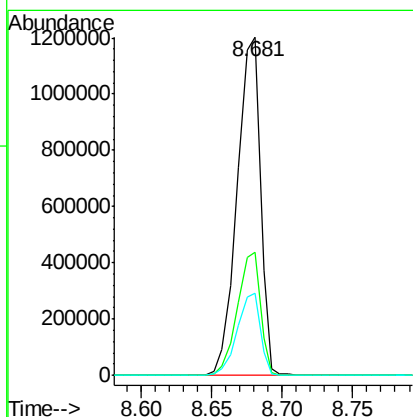
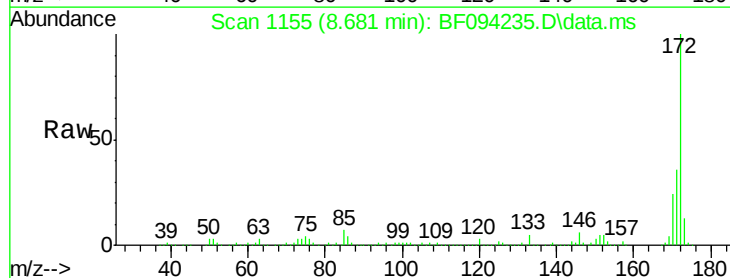
Instrument :
 BNA_F
 ClientSampleId :
 LOCUST-ST-IP(3-5)

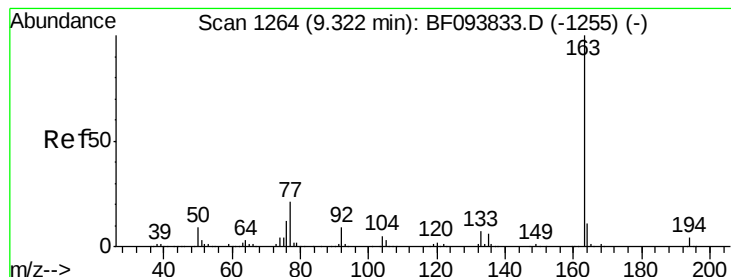
Tot Ion:330 Resp: 307656
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 115.0
 141 38.8 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 66.07 ng
 RT: 8.681 min Scan# 1155
 Delta R.T. -0.053 min
 Lab File: BF094235.D
 Acq: 6 Apr 2017 18:27

Tgt Ion:172 Resp: 1387465
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.3 19.8 29.8





#49

Dimethylphthalate

Concen: 7.76 ng

RT: 9.175 min Scan# 1264

Delta R.T. -0.071 min

Lab File: BF094235.D

Acq: 6 Apr 2017 18:27

Instrument :

BNA_F

ClientSampleId :

LOCUST-ST-IP(3-5)

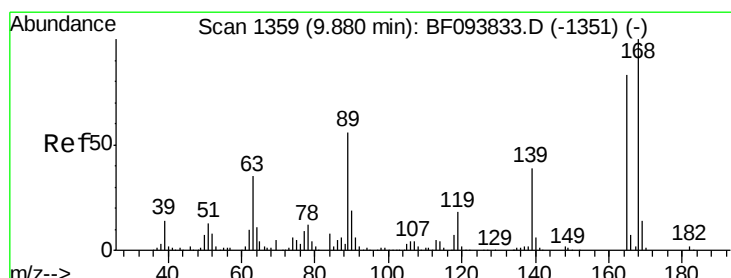
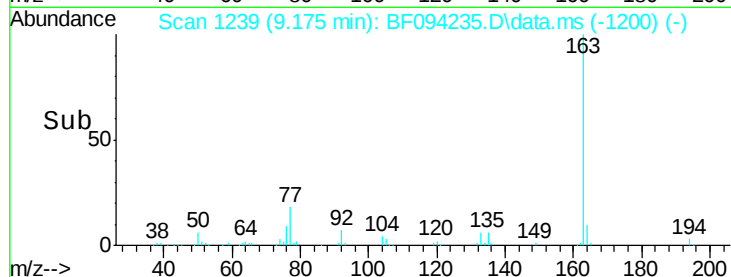
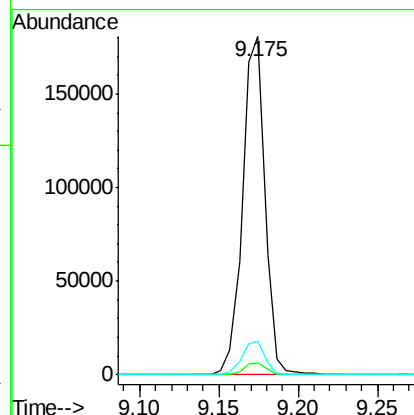
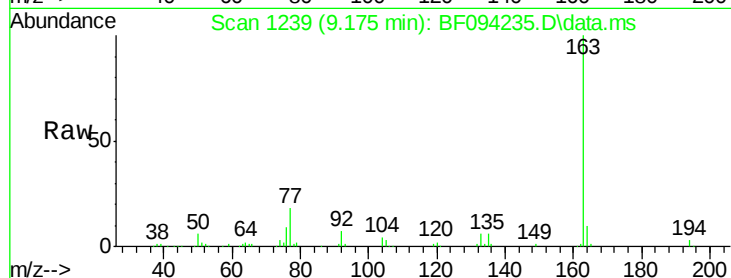
Tot Ion:163 Resp: 176591

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

164 9.9 8.4 12.6



#56

2,4-Dinitrotoluene

Concen: 6.03 ng

RT: 9.492 min Scan# 1293

Delta R.T. -0.306 min

Lab File: BF094235.D

Acq: 6 Apr 2017 18:27

Tgt Ion:165 Resp: 39543

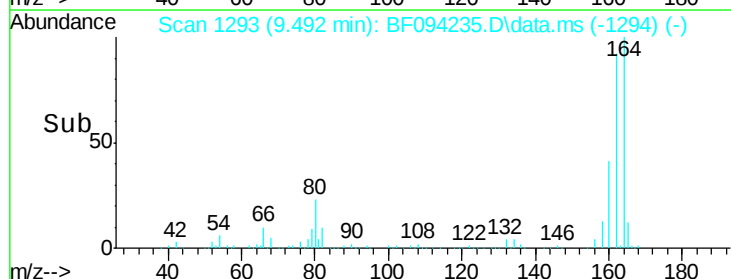
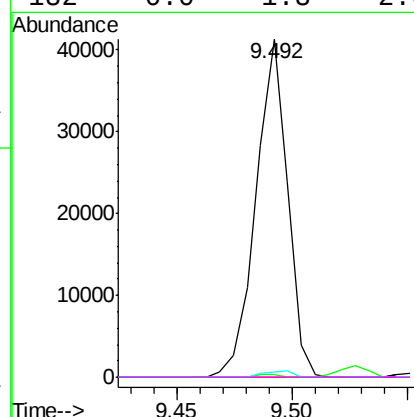
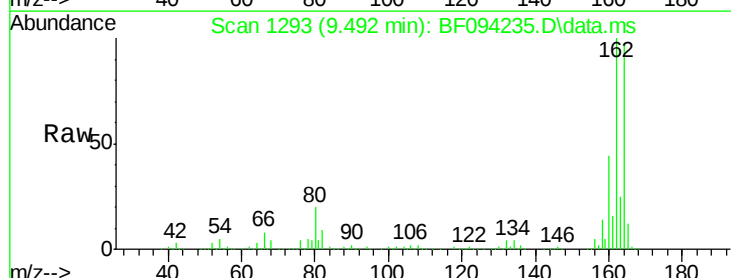
Ion Ratio Lower Upper

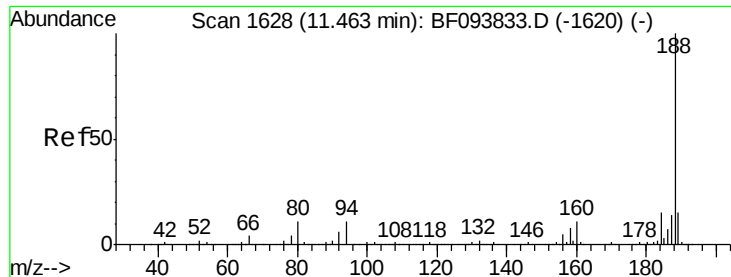
165 100

63 0.8 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

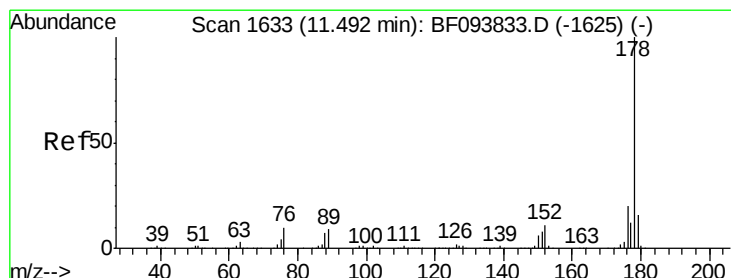
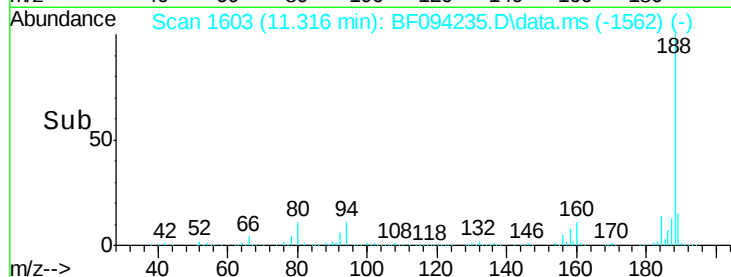
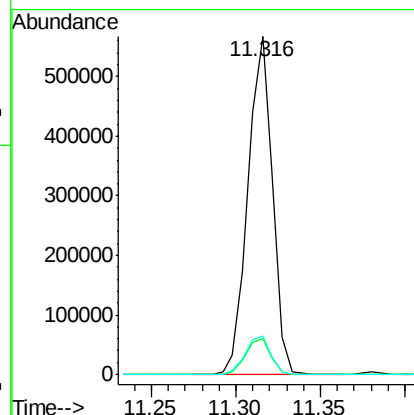
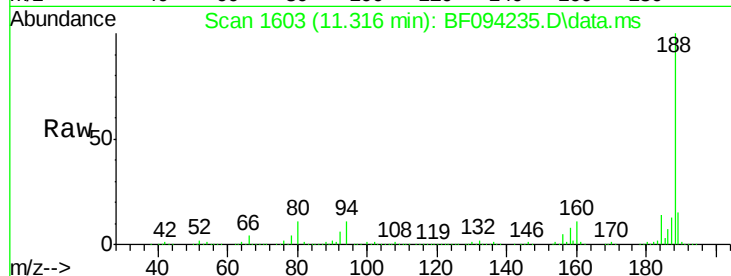




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.316 min Scan# 1603
Delta R.T. -0.059 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

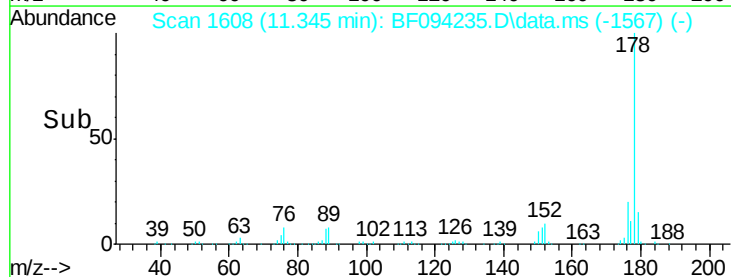
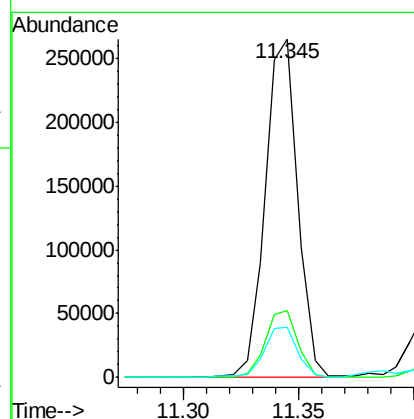
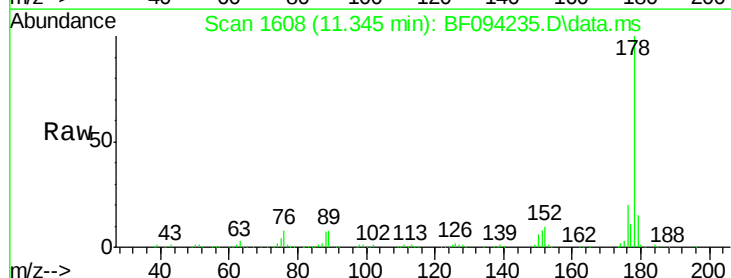
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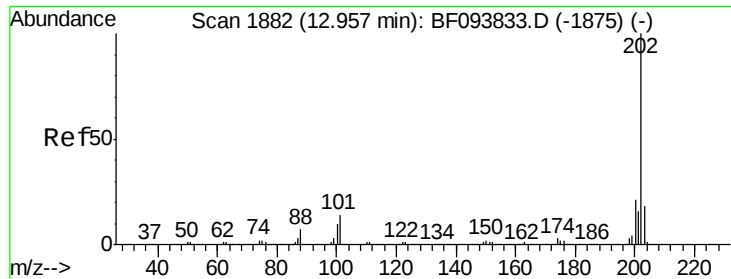
Tot Ion:188 Resp: 575350
Ion Ratio Lower Upper
188 100
94 10.5 9.4 14.2
80 11.5 10.2 15.2



#70
Phenanthrene
Concen: 8.13 ng
RT: 11.345 min Scan# 1608
Delta R.T. -0.059 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Tgt Ion:178 Resp: 260128
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 14.9 12.6 19.0





#74

Fluoranthene

Concen: 10.54 ng

RT: 12.804 min Scan# 18

Delta R.T. -0.065 min

Lab File: BF094235.D

Acq: 6 Apr 2017 18:27

Instrument :

BNA_F

ClientSampleId :

LOCUST-ST-IP(3-5)

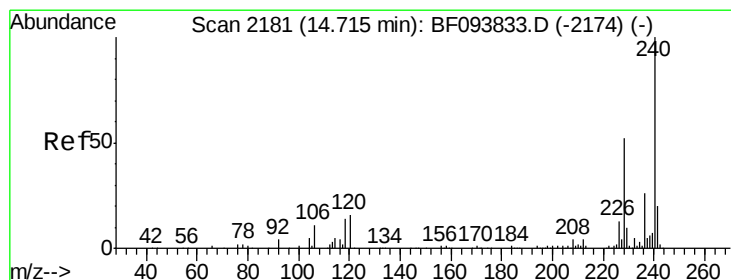
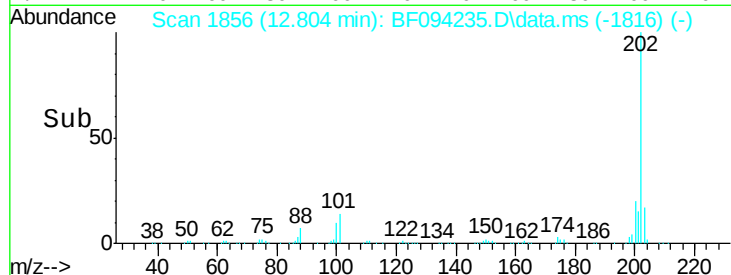
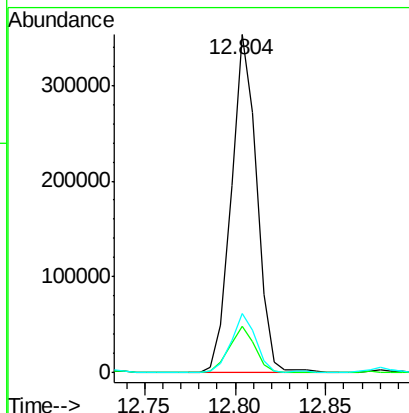
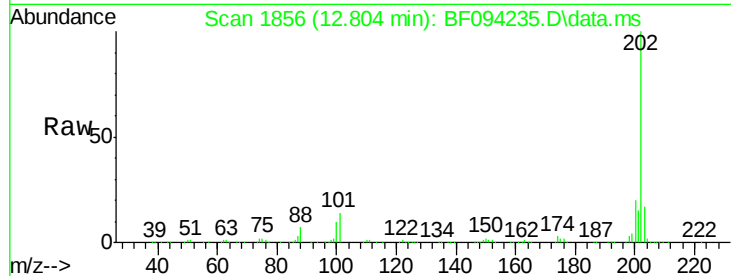
Tot Ion:202 Resp: 345496

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.2

203 17.4 0.0 38.1



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.563 min Scan# 2155

Delta R.T. -0.065 min

Lab File: BF094235.D

Acq: 6 Apr 2017 18:27

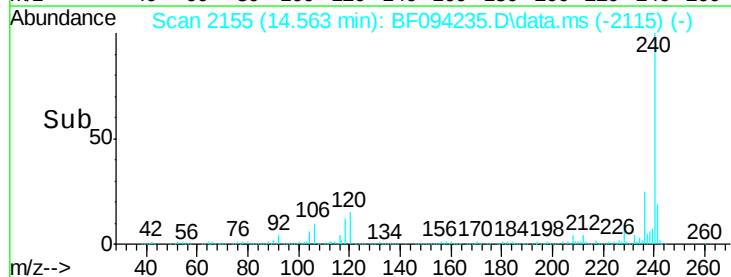
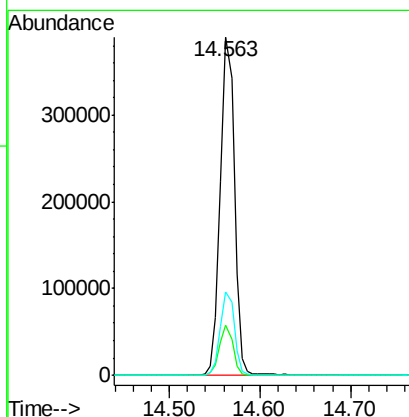
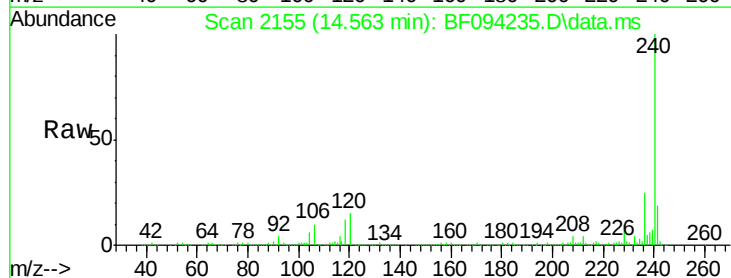
Tgt Ion:240 Resp: 417991

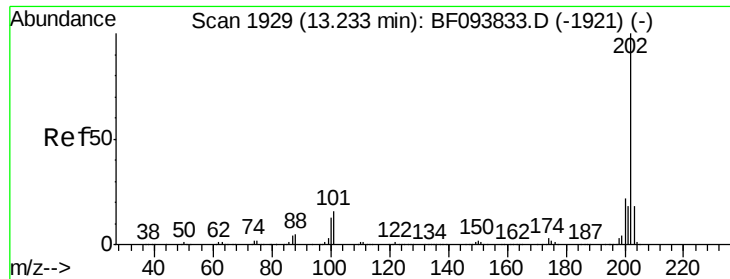
Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

236 24.7 20.5 30.7

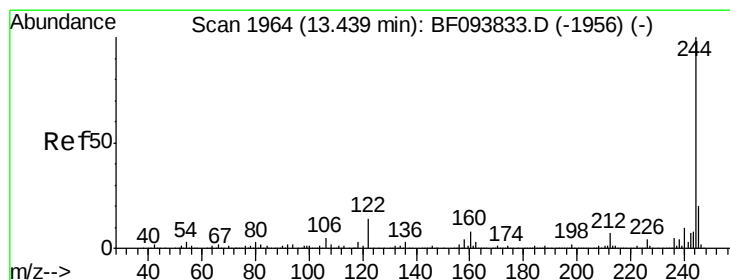
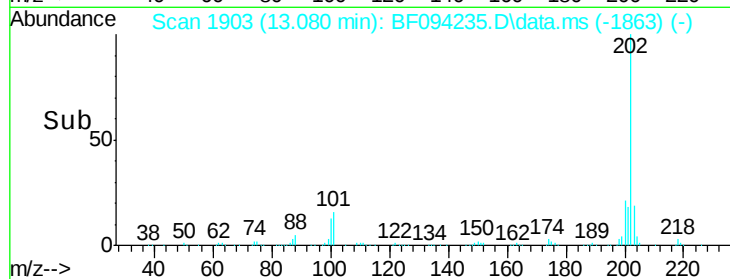
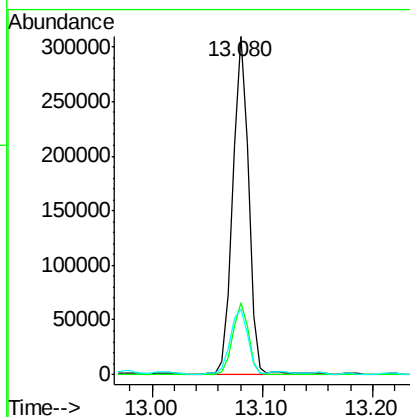
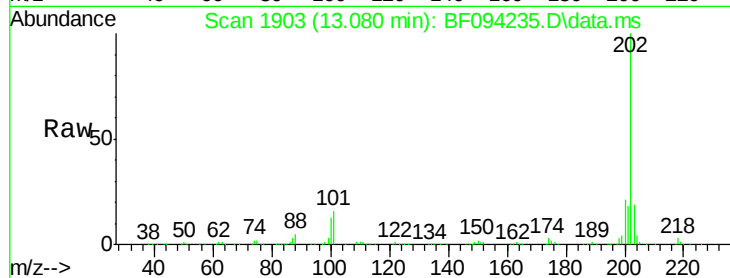




#77
Pvrene
Concen: 10.34 ng
RT: 13.080 min Scan# 19
Delta R.T. -0.065 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

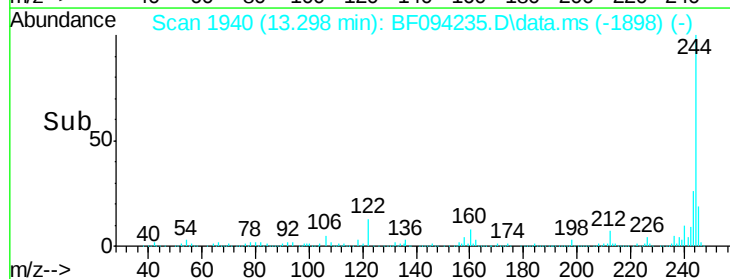
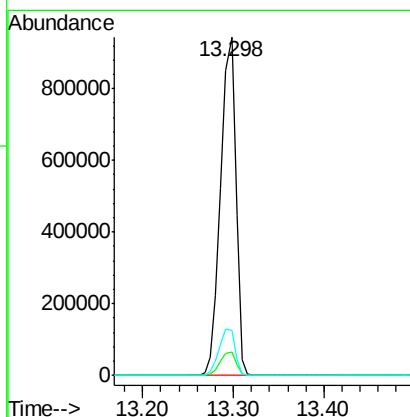
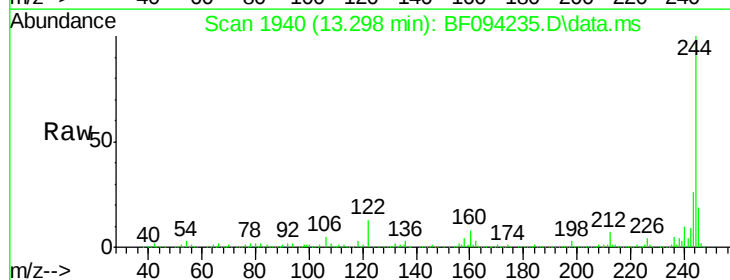
Instrument :
BNA_F
ClientSampleId :
LOCUST-ST-IP(3-5)

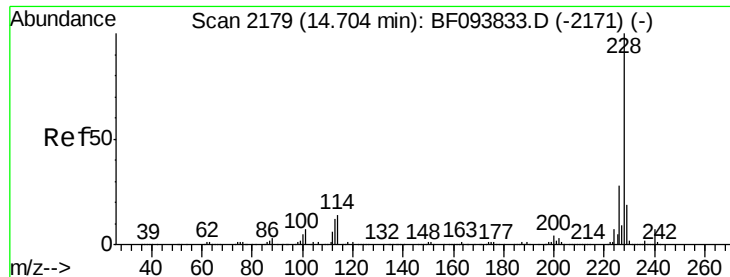
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	19.2	14.4	21.6



#78
Terphenyl-d14
Concen: 58.63 ng
RT: 13.298 min Scan# 1940
Delta R.T. -0.053 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.2	10.3	15.5





#80

Benzo(a)anthracene

Concen: 5.17 ng

RT: 14.551 min Scan# 21

Delta R.T. -0.065 min

Lab File: BF094235.D

Acq: 6 Apr 2017 18:27

Instrument :

BNA_F

ClientSampleId :

LOCUST-ST-IP(3-5)

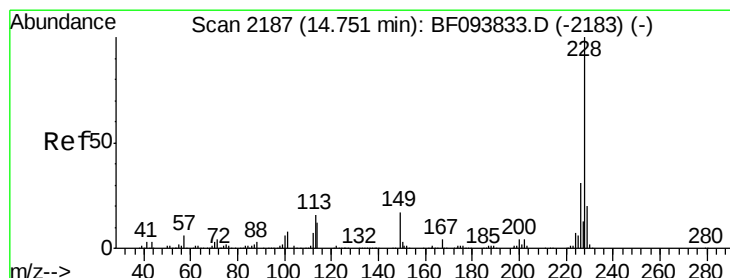
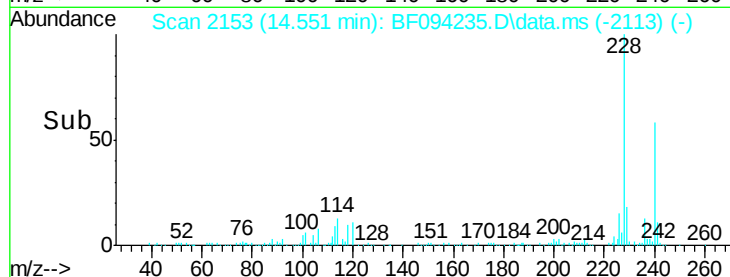
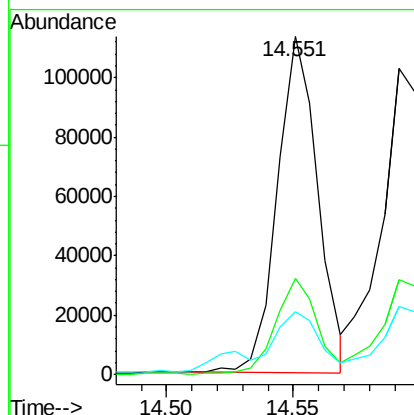
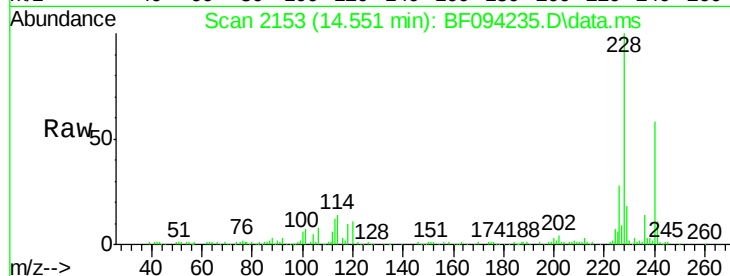
Tot Ion:228 Resp: 125981

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

229 18.5 16.3 24.5



#82

Chrysene

Concen: 5.50 ng

RT: 14.592 min Scan# 2160

Delta R.T. -0.071 min

Lab File: BF094235.D

Acq: 6 Apr 2017 18:27

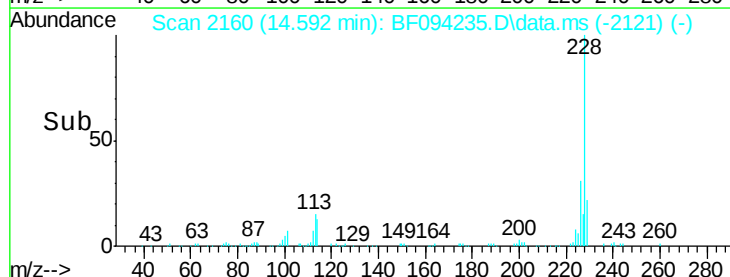
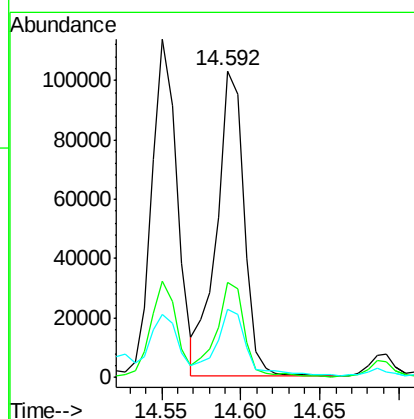
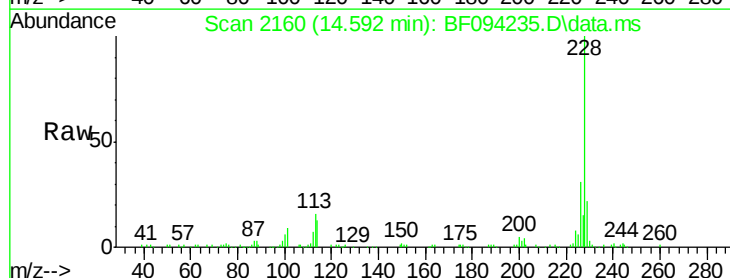
Tgt Ion:228 Resp: 124440

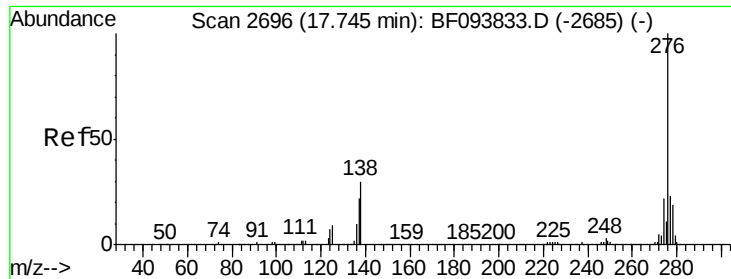
Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

229 22.4 15.8 23.6

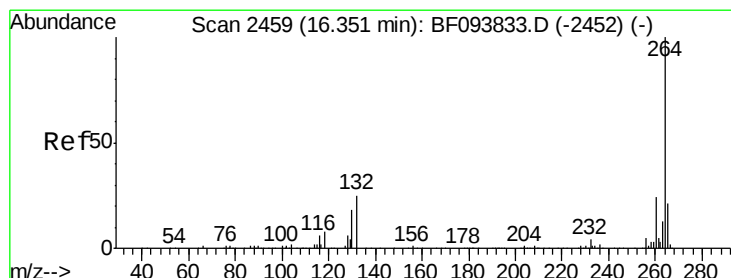
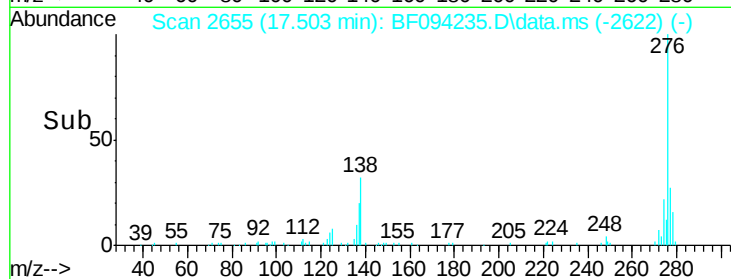
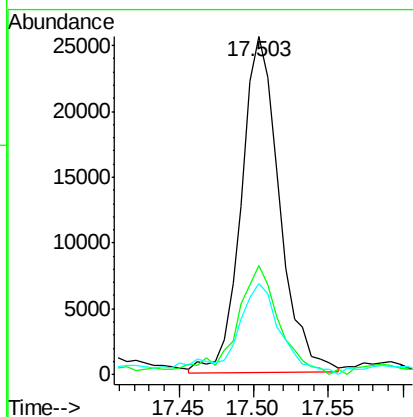
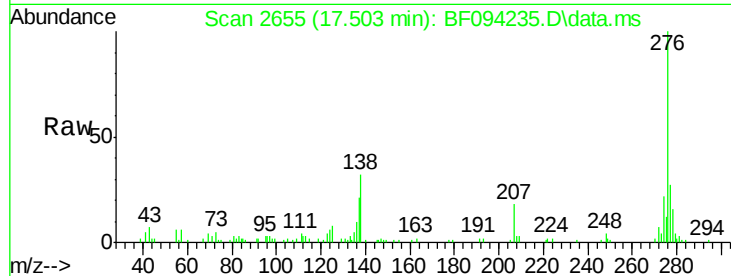




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.30 ng
RT: 17.503 min Scan# 2696
Delta R.T. -0.106 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

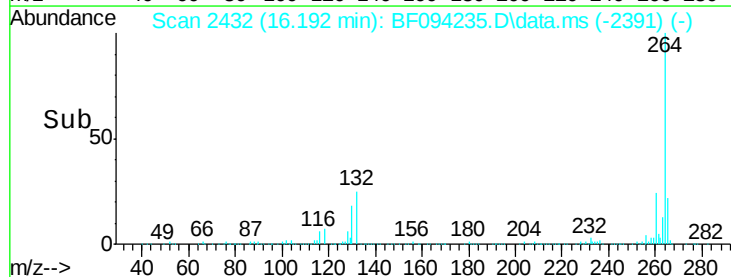
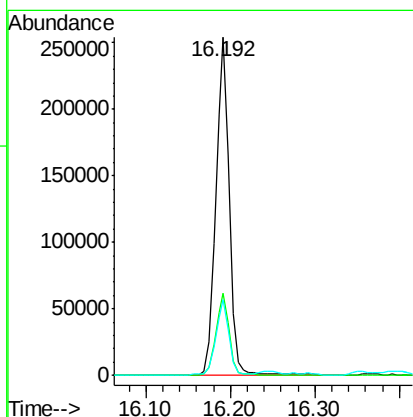
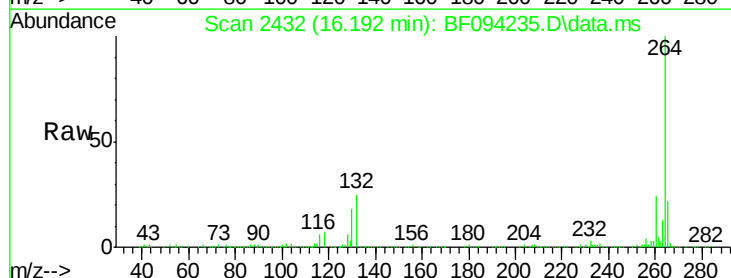
Instrument :
BNA_F
ClientSampleId :
LOCUST-ST-IP(3-5)

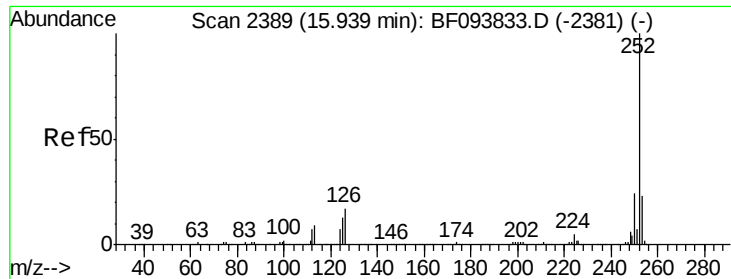
Tot Ion:276 Resp: 45034
Ion Ratio Lower Upper
276 100
138 36.7 27.8 41.6
277 32.2 20.2 30.4#



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.192 min Scan# 2432
Delta R.T. -0.059 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Tgt Ion:264 Resp: 289986
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 22.2 17.2 25.8

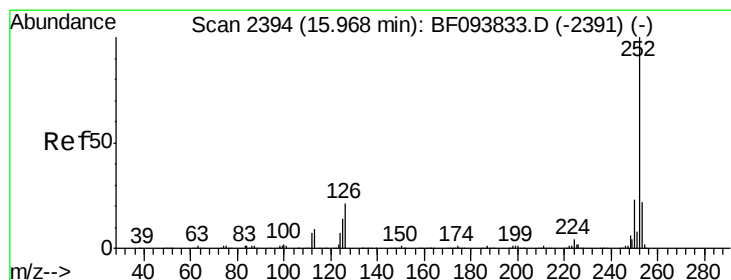
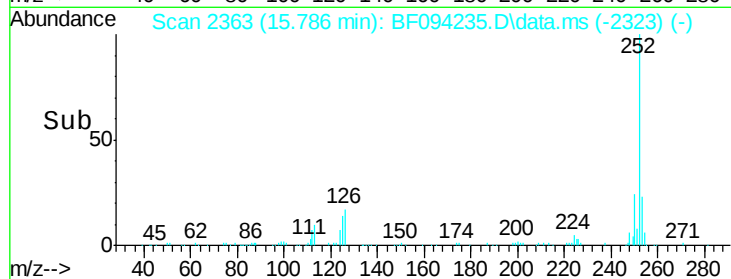
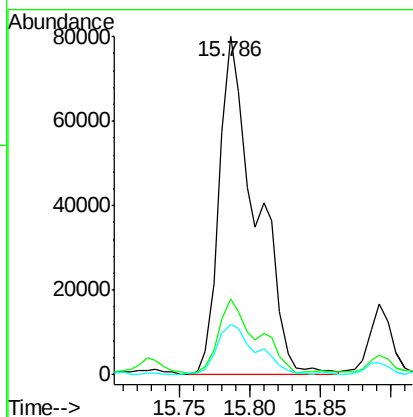
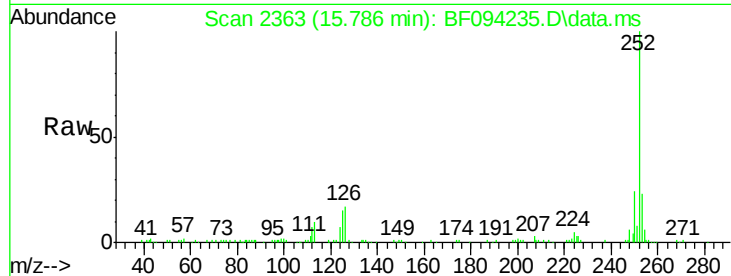




#87
Benzo(b)fluoranthene
Concen: 8.22 ng
RT: 15.786 min Scan# 2363
Delta R.T. -0.065 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

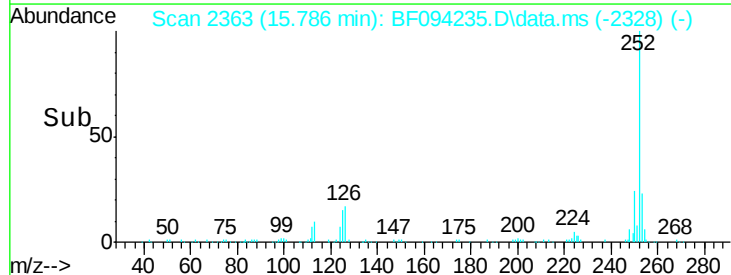
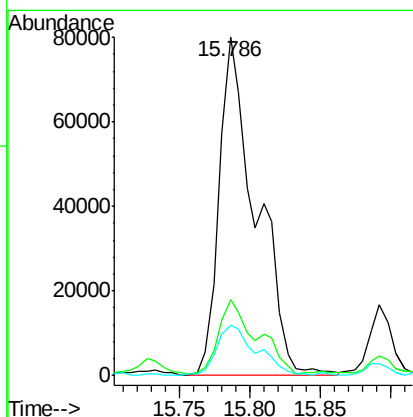
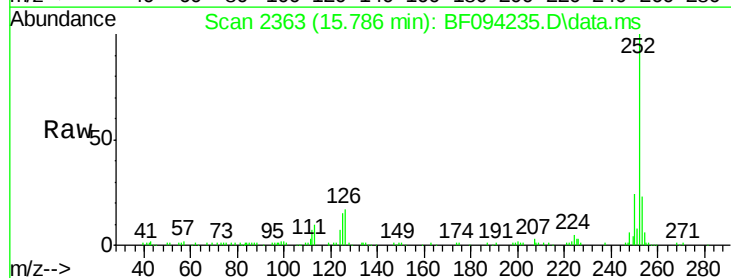
Instrument :
BNA_F
ClientSampleId :
LOCUST-ST-IP(3-5)

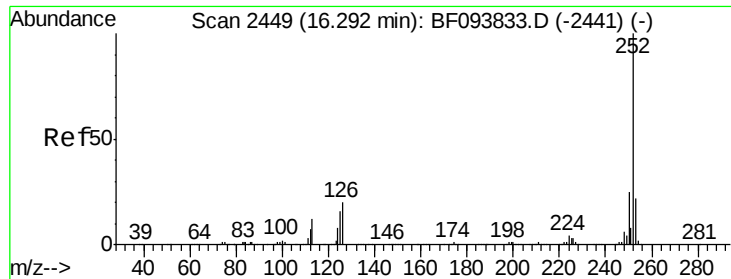
Tot Ion:252 Resp: 146106
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 14.8 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 8.40 ng
RT: 15.786 min Scan# 2363
Delta R.T. -0.094 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Tgt Ion:252 Resp: 146106
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 14.8 13.1 19.7





#89

Benzo(a)pyrene

Concen: 4.75 ng

RT: 16.127 min Scan# 2449

Delta R.T. -0.071 min

Lab File: BF094235.D

Acq: 6 Apr 2017 18:27

Instrument :

BNA_F

ClientSampleId :

LOCUST-ST-IP(3-5)

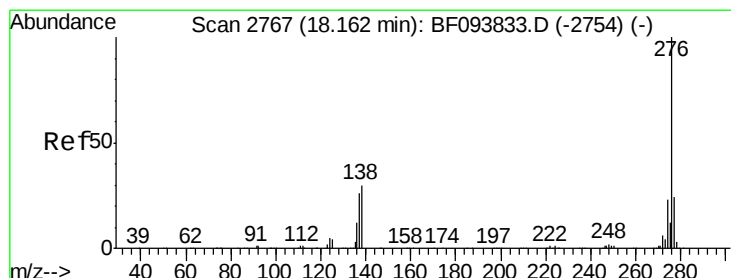
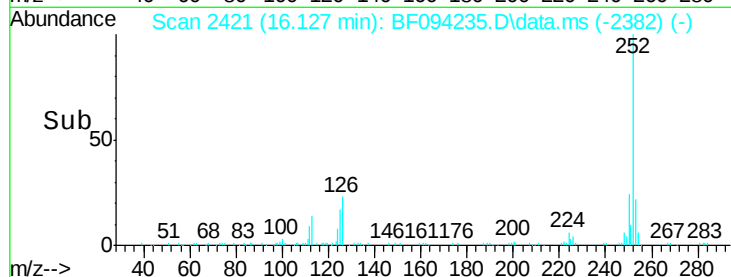
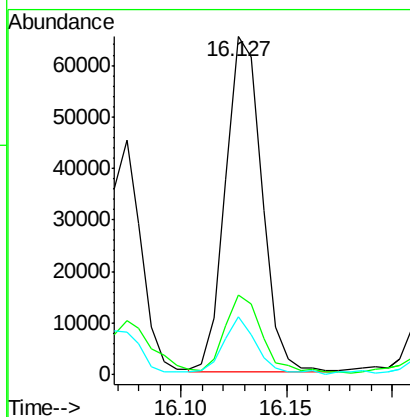
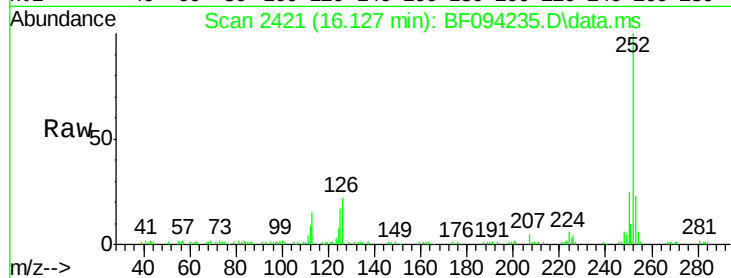
Tot Ion:252 Resp: 77766

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

125 17.0 11.0 16.4#



#91

Benzo(g,h,i)perylene

Concen: 3.16 ng

RT: 17.892 min Scan# 2721

Delta R.T. -0.118 min

Lab File: BF094235.D

Acq: 6 Apr 2017 18:27

Tgt Ion:276 Resp: 44126

Ion Ratio Lower Upper

276 100

277 22.8 18.6 28.0

138 33.7 25.4 38.0

