

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
 Data File : BF084272.D
 Acq On : 5 Jan 2016 8:16
 Operator : UM/SJ
 Sample : G4949-01
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-1(18.0-18.5)

Quant Time: Jan 05 09:59:00 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

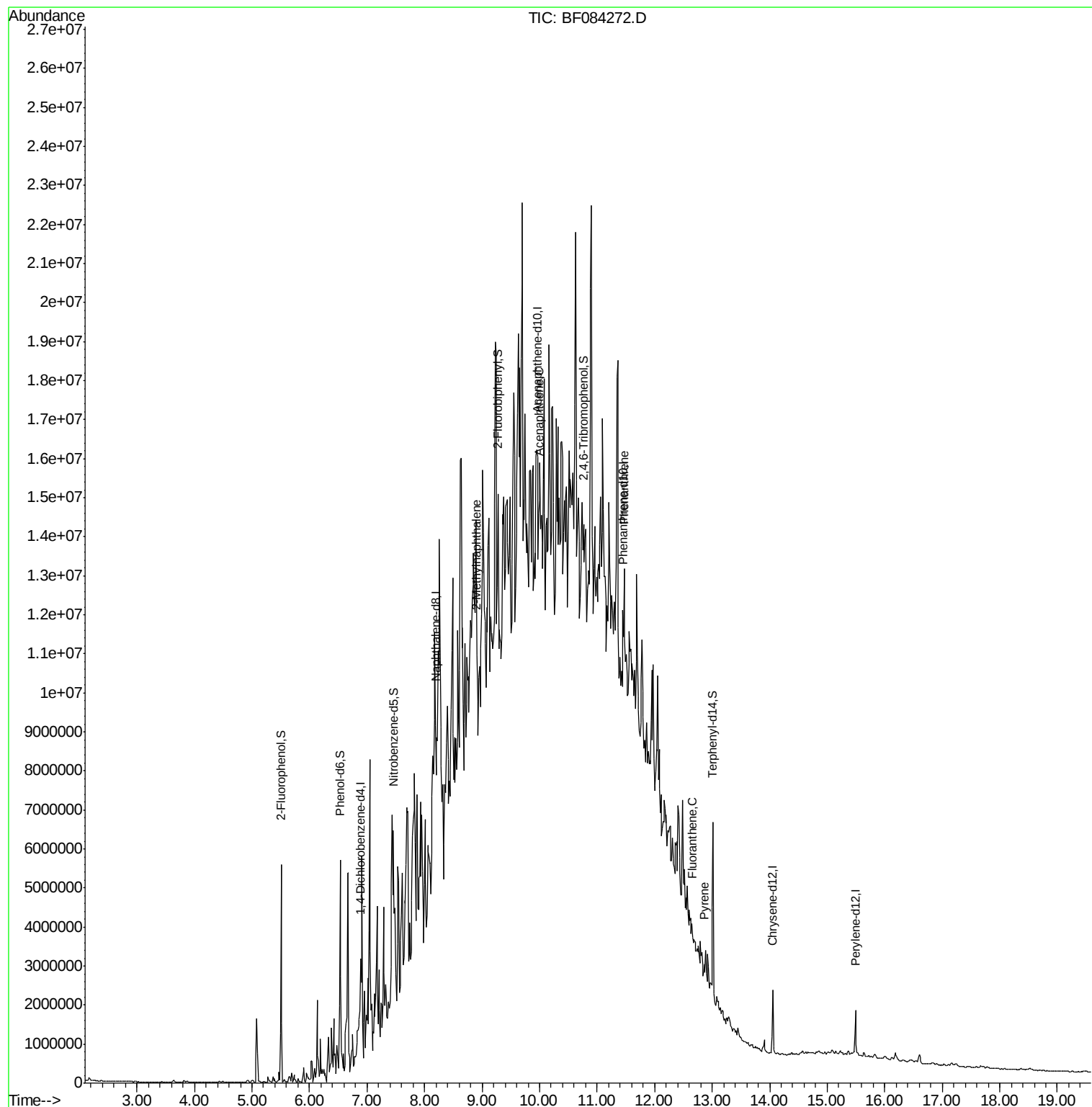
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	258176	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	830436	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	319590	20.00	ng	0.01
63) Phenanthrene-d10	11.45	188	490451	20.00	ng	0.02
75) Chrysene-d12	14.05	240	551338	20.00	ng	-0.01
86) Perylene-d12	15.49	264	540470	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1561952	97.86	ng	0.01
7) Phenol-d6	6.53	99	2129997	106.25	ng	0.00
23) Nitrobenzene-d5	7.46	82	1452486	97.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.76	330	263986	81.82	ng	0.02
44) 2-Fluorobiphenyl	9.28	172	1797294	100.05	ng	0.01
78) Terphenyl-d14	13.01	244	1565663	63.39	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.91	142	1114254	41.20	ng	# 95
51) Acenaphthene	10.00	154	351047	17.75	ng	# 72
70) Phenanthrene	11.47	178	1499121	58.43	ng	# 91
74) Fluoranthene	12.65	202	118389	4.42	ng	84
77) Pyrene	12.87	202	211824	4.90	ng	# 94

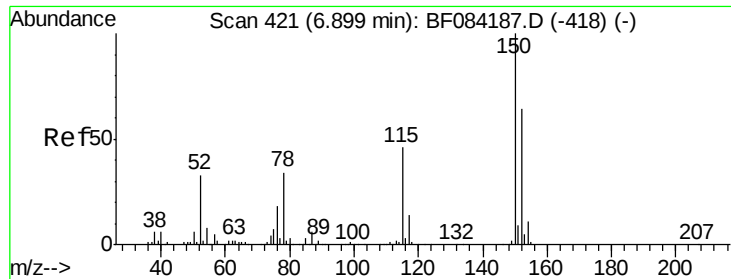
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
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ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PJ-SB-1(18.0-18.5)

Quant Time: Jan 05 09:59:00 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084272.D

Acq: 5 Jan 2016 8:16

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(18.0-18.5)

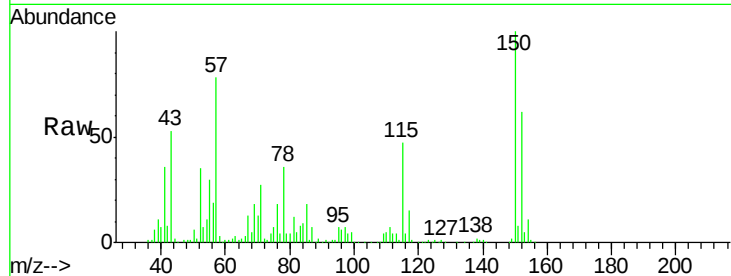
Tot Ion:152 Resp: 258176

Ion Ratio Lower Upper

152 100

150 161.6 123.0 184.4

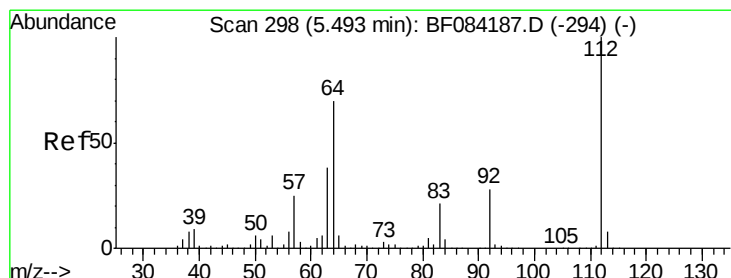
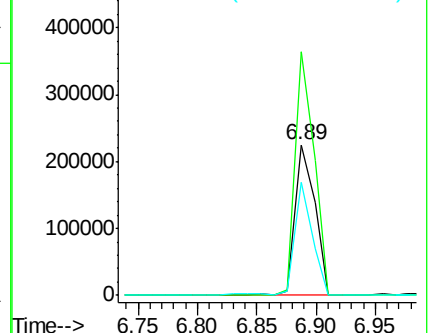
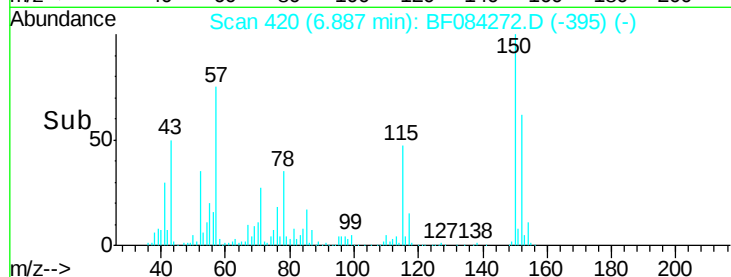
115 75.4 51.4 77.2



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: 97.86 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084272.D

Acq: 5 Jan 2016 8:16

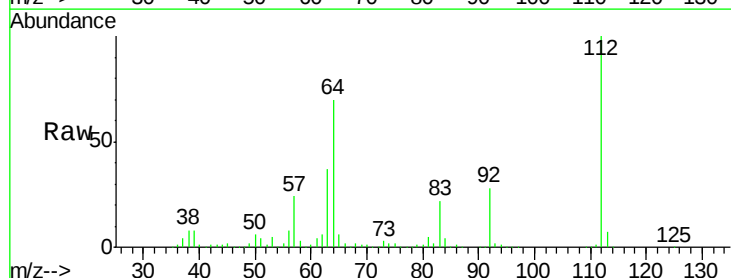
Tgt Ion:112 Resp: 1561952

Ion Ratio Lower Upper

112 100

64 69.7 36.6 55.0#

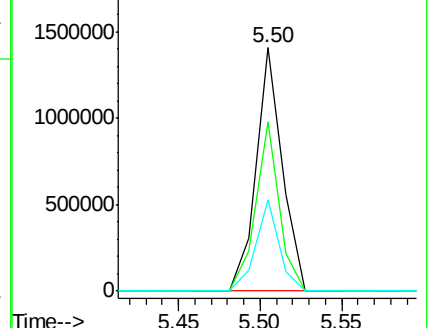
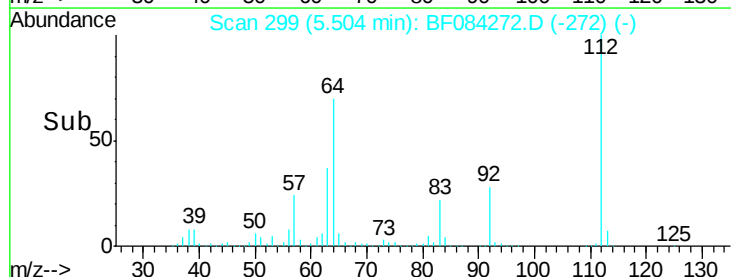
63 37.4 19.4 29.0#

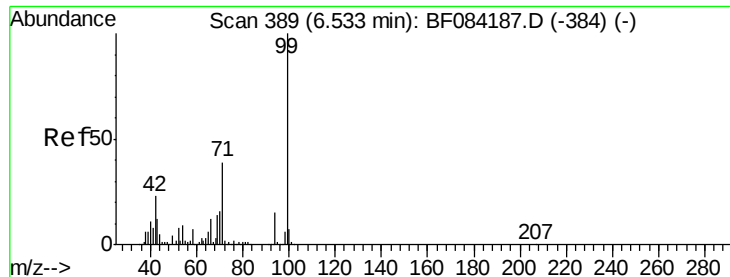


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.25 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084272.D

Acq: 5 Jan 2016 8:16

Instrument :

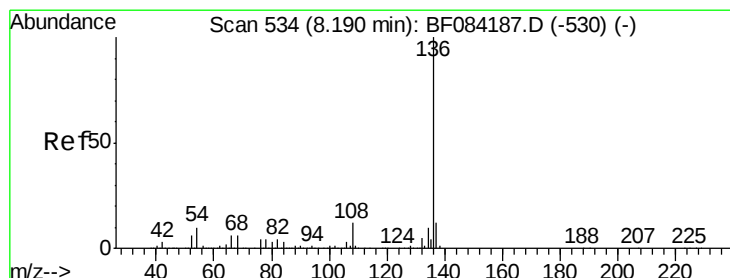
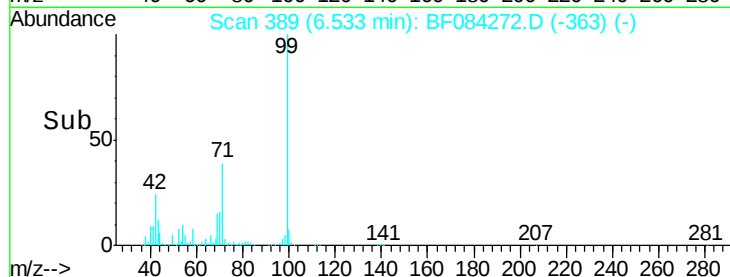
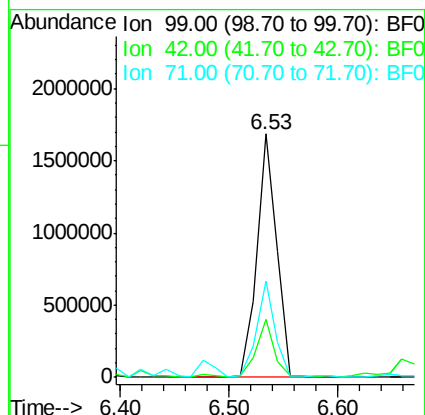
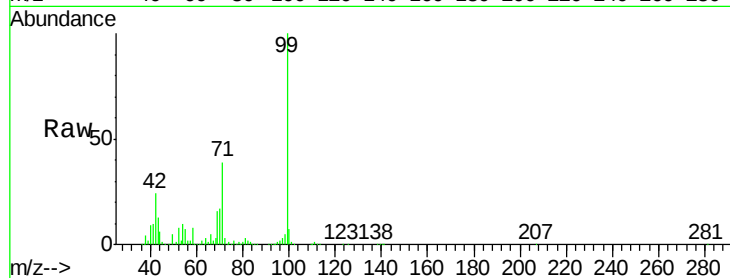
BNA_F

ClientSampleId :

PJ-SB-1(18.0-18.5)

Tot Ion: 99 Resp: 2129997

Ion	Ratio	Lower	Upper
99	100		
42	24.0	12.8	19.2#
71	39.4	30.9	46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

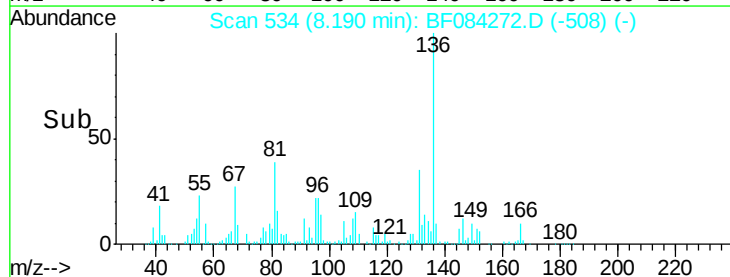
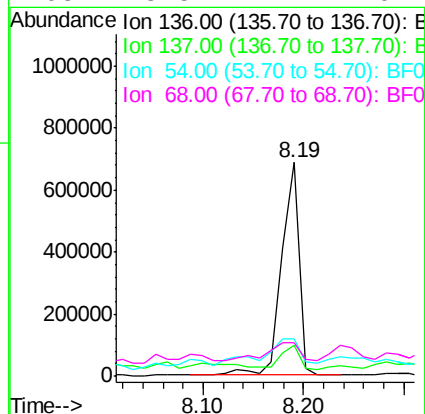
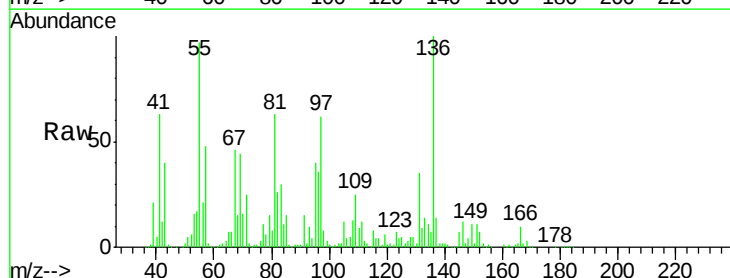
Delta R.T. 0.00 min

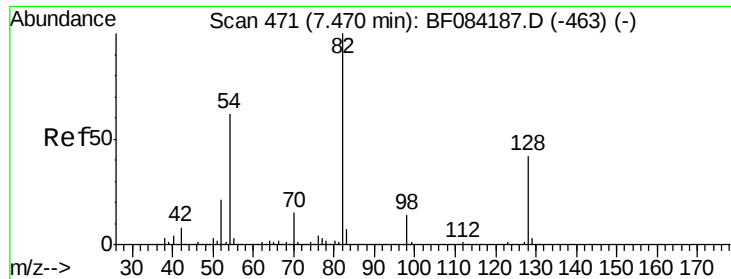
Lab File: BF084272.D

Acq: 5 Jan 2016 8:16

Tgt Ion: 136 Resp: 830436

Ion	Ratio	Lower	Upper
136	100		
137	14.3	8.7	13.1#
54	17.4	5.8	8.8#
68	15.5	4.2	6.2#



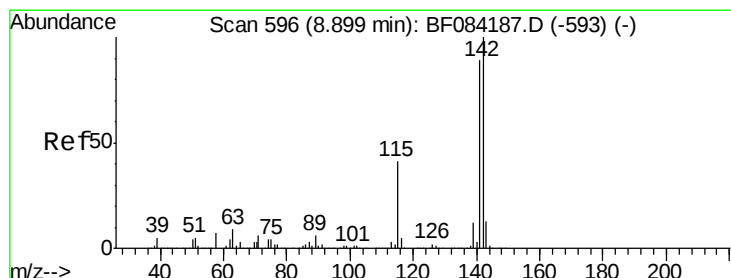
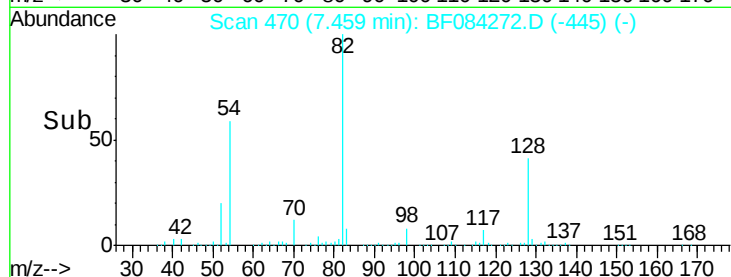
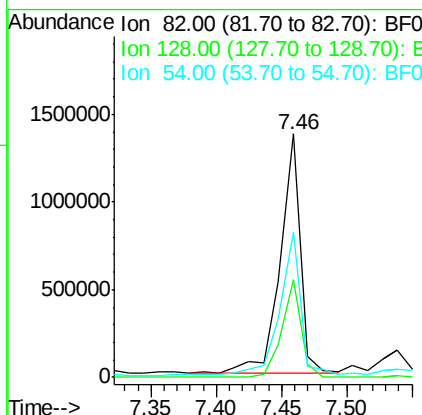
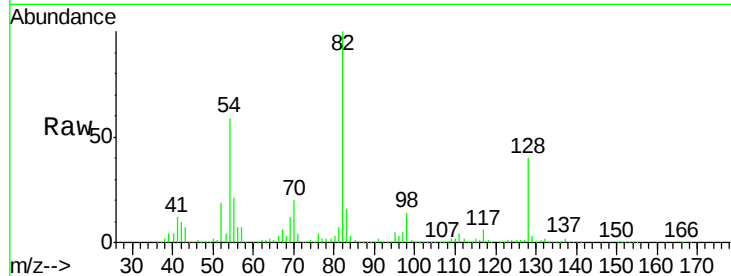


#23
 Nitrobenzene-d5
 Concen: 97.34 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF084272.D
 Acq: 5 Jan 2016 8:16

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-1(18.0-18.5)

Tot Ion: 82 Resp: 1452486

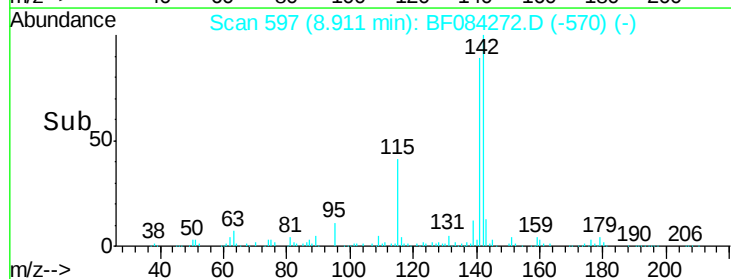
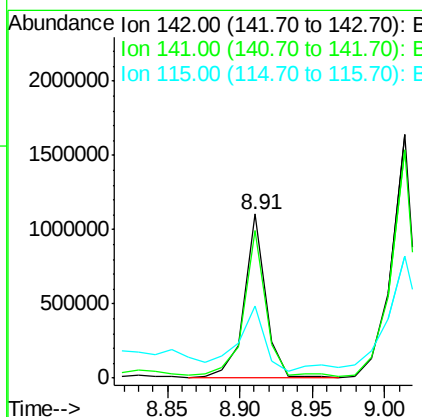
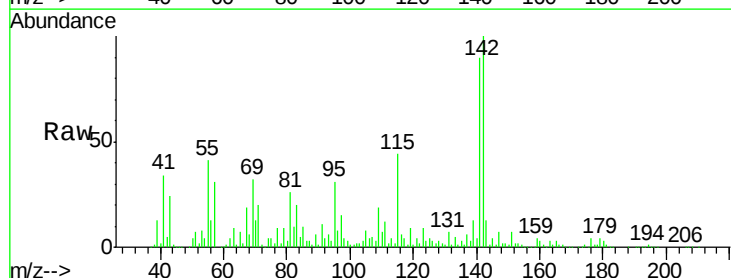
Ion	Ratio	Lower	Upper
82	100		
128	40.1	34.6	51.8
54	59.4	38.4	57.6

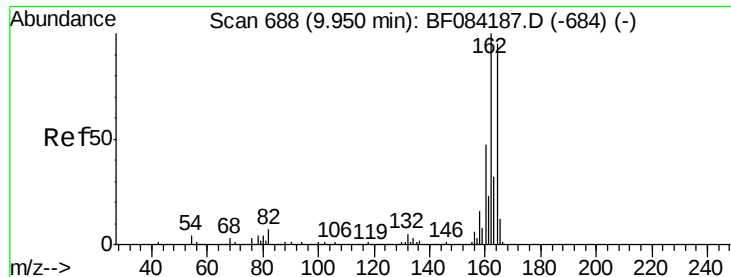


#37
 2-Methylnaphthalene
 Concen: 41.20 ng
 RT: 8.91 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: BF084272.D
 Acq: 5 Jan 2016 8:16

Tgt Ion: 142 Resp: 1114254

Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.4	108.6
115	44.3	27.9	41.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 689

Delta R.T. 0.01 min

Lab File: BF084272.D

Acq: 5 Jan 2016 8:16

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(18.0-18.5)

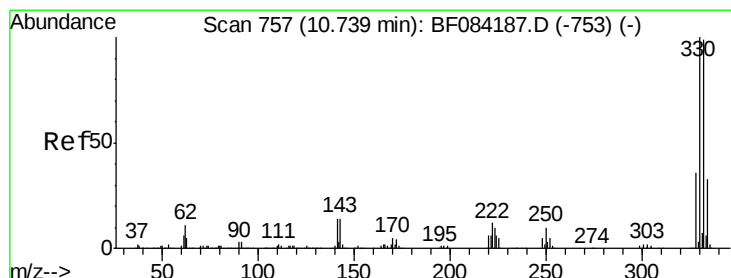
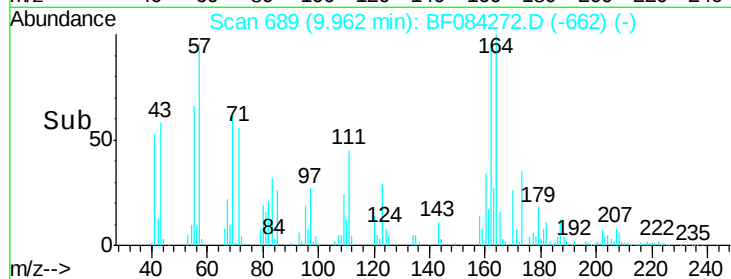
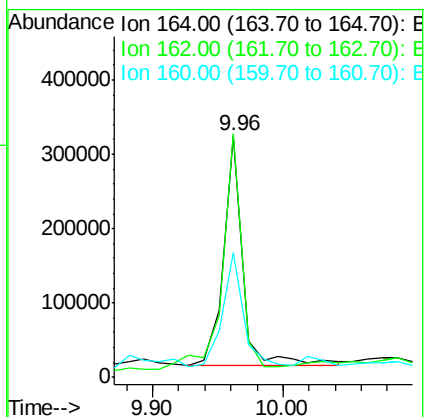
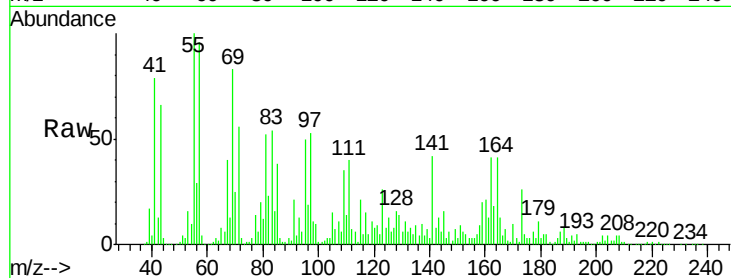
Tot Ion:164 Resp: 319590

Ion Ratio Lower Upper

164 100

162 100.8 85.1 127.7

160 51.7 37.5 56.3



#41

2,4,6-Tribromophenol

Concen: 81.82 ng

RT: 10.76 min Scan# 759

Delta R.T. 0.02 min

Lab File: BF084272.D

Acq: 5 Jan 2016 8:16

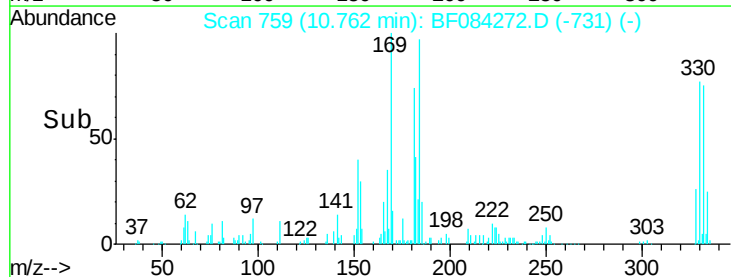
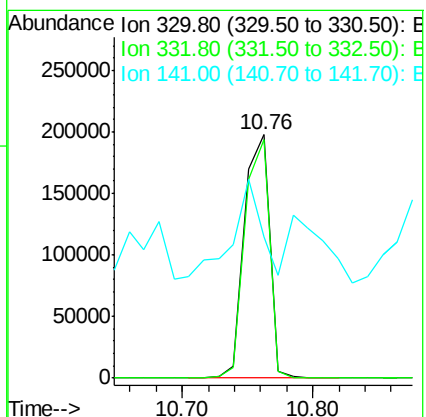
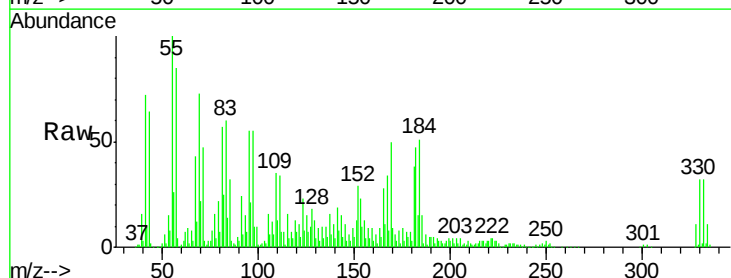
Tgt Ion:330 Resp: 263986

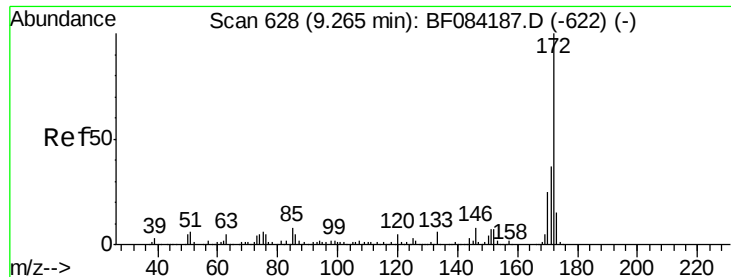
Ion Ratio Lower Upper

330 100

332 96.9 76.6 114.8

141 43.8 27.8 41.6#





#44

2-Fluorobiphenyl

Concen: 100.05 ng

RT: 9.28 min Scan# 629

Delta R.T. 0.01 min

Lab File: BF084272.D

Acq: 5 Jan 2016 8:16

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(18.0-18.5)

Tot Ion:172 Resp: 1797294

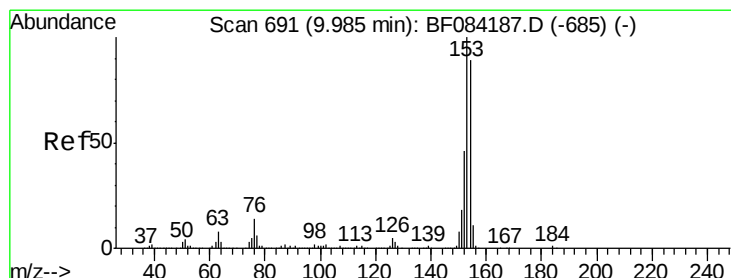
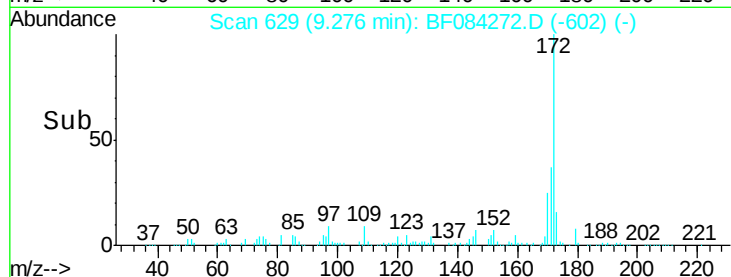
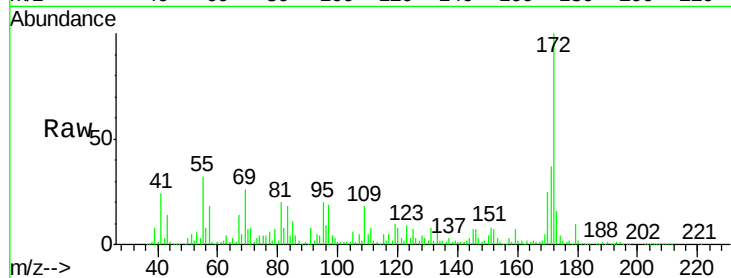
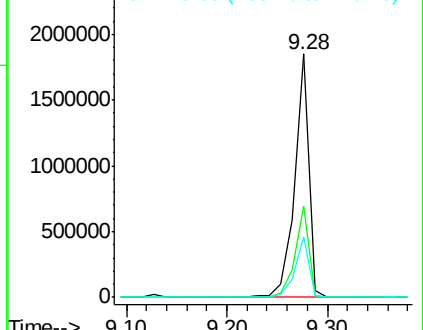
Ion	Ratio	Lower	Upper
172	100		
171	37.3	28.9	43.3
170	25.1	18.6	27.8

Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51

Acenaphthene

Concen: 17.75 ng

RT: 10.00 min Scan# 692

Delta R.T. 0.01 min

Lab File: BF084272.D

Acq: 5 Jan 2016 8:16

Tgt Ion:154 Resp: 351047

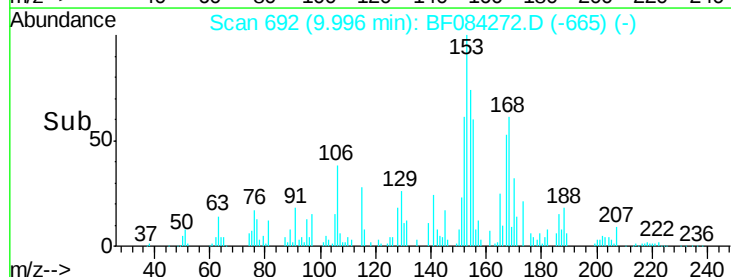
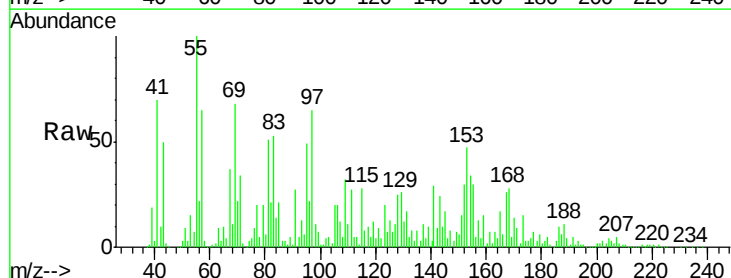
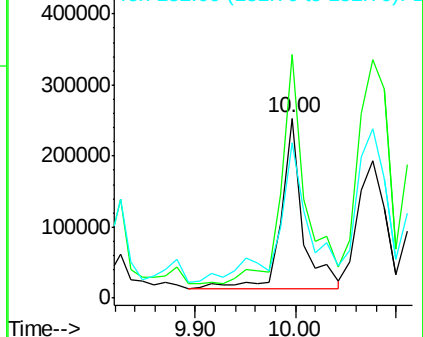
Ion	Ratio	Lower	Upper
154	100		
153	135.4	91.5	137.3
152	86.1	43.0	64.6

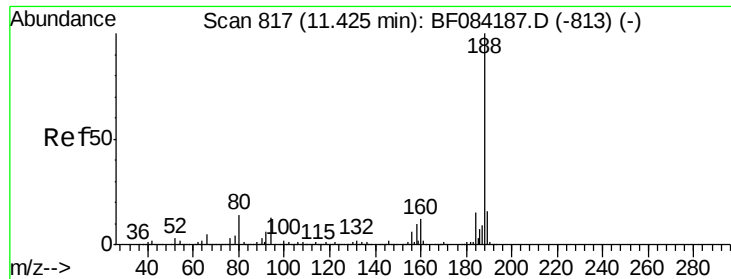
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

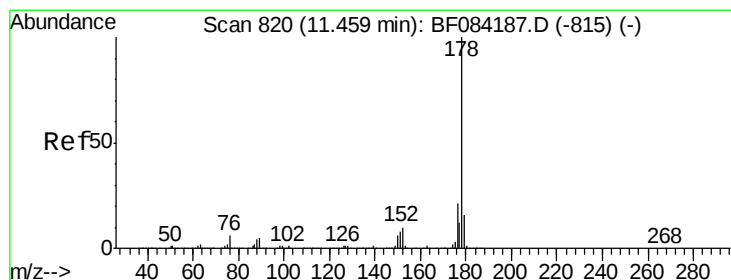
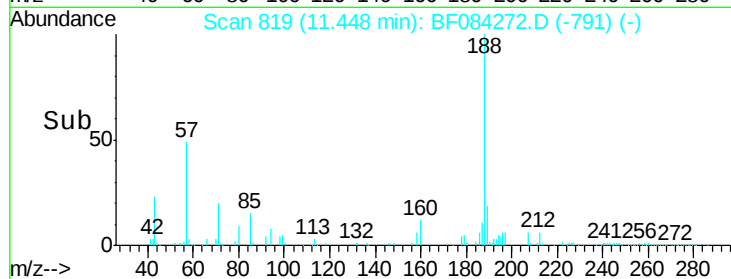
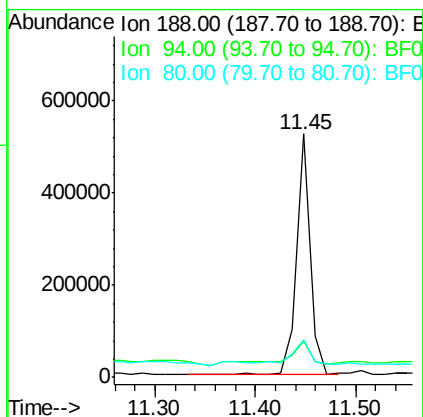
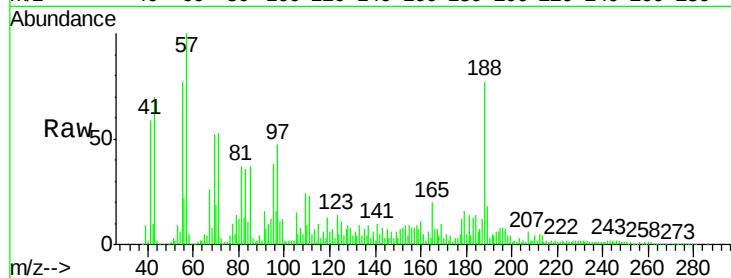




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 819
Delta R.T. 0.02 min
Lab File: BF084272.D
Acq: 5 Jan 2016 8:16

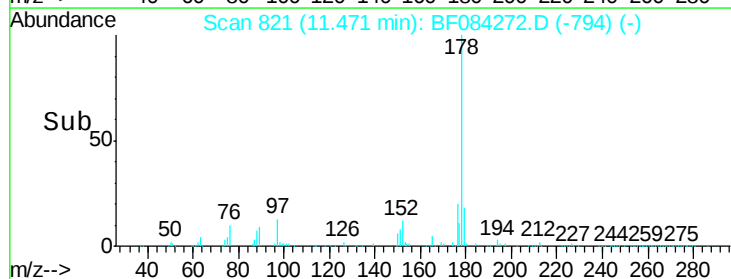
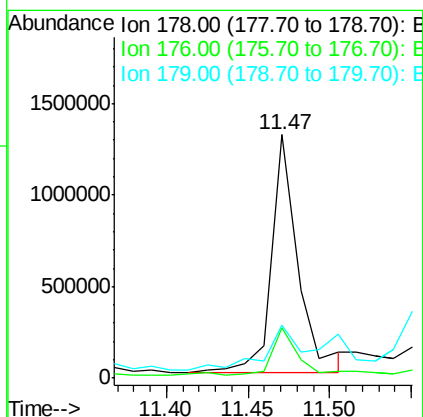
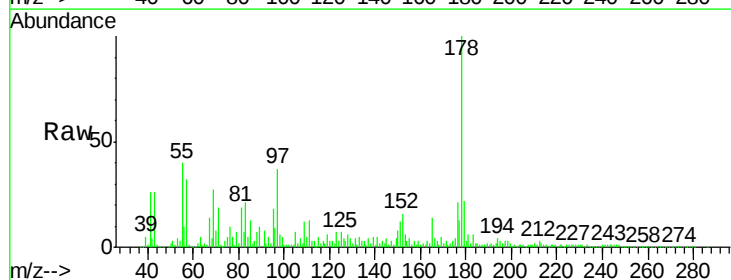
Instrument :
BNA_F
ClientSampleId :
PJ-SB-1(18.0-18.5)

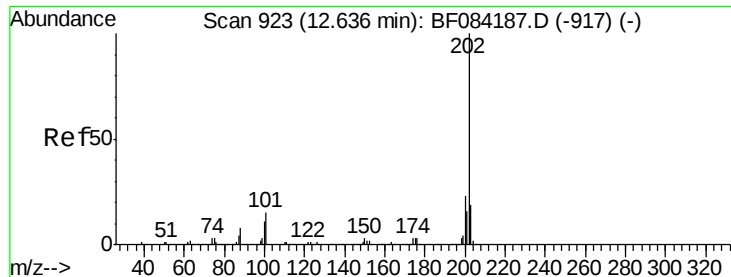
Tot Ion:188 Resp: 490451
Ion Ratio Lower Upper
188 100
94 15.0 9.0 13.4#
80 15.2 9.6 14.4#



#70
Phenanthrene
Concen: 58.43 ng
RT: 11.47 min Scan# 821
Delta R.T. 0.01 min
Lab File: BF084272.D
Acq: 5 Jan 2016 8:16

Tgt Ion:178 Resp: 1499121
Ion Ratio Lower Upper
178 100
176 20.7 15.3 22.9
179 21.8 12.0 18.0#

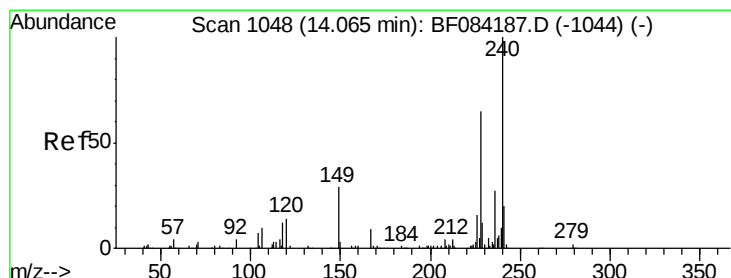
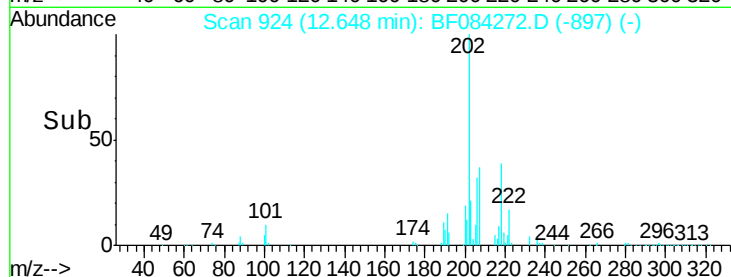
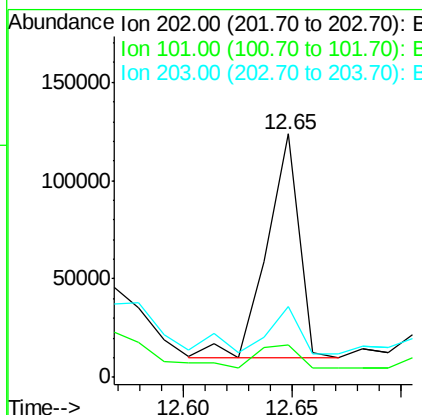
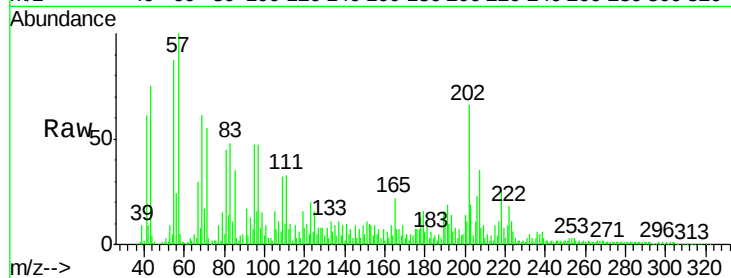




#74
Fluoranthene
Concen: 4.42 ng
RT: 12.65 min Scan# 924
Delta R.T. 0.01 min
Lab File: BF084272.D
Acq: 5 Jan 2016 8:16

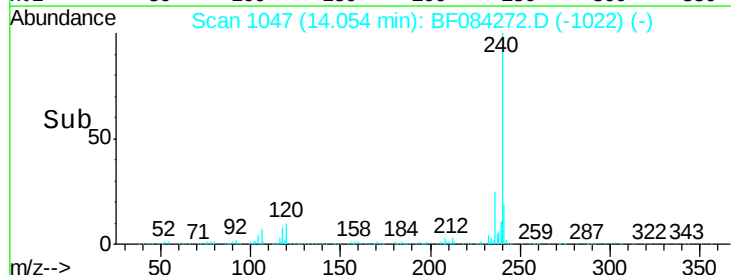
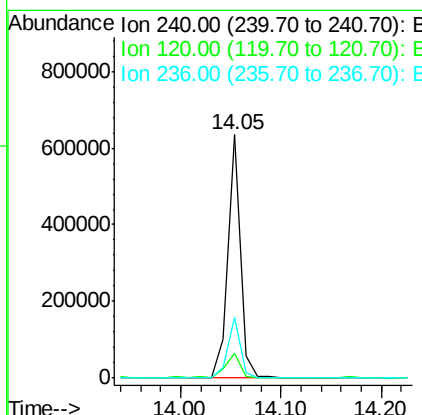
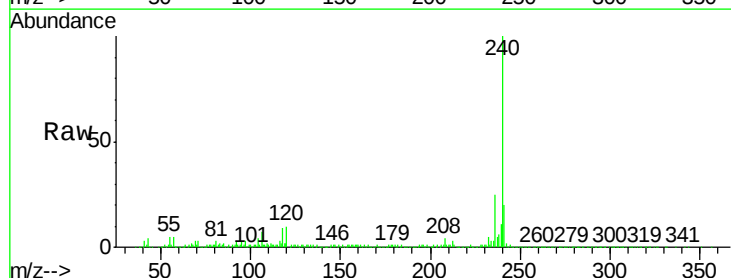
Instrument :
BNA_F
ClientSampleId :
PJ-SB-1(18.0-18.5)

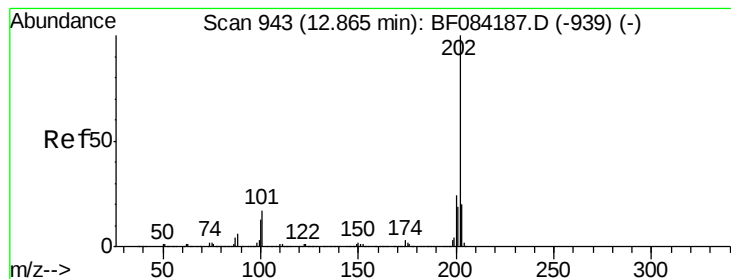
Tot Ion:	202	Resp:	118389
Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	32.8
203	29.3	0.0	37.9



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF084272.D
Acq: 5 Jan 2016 8:16

Tgt Ion:	240	Resp:	551338
Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.5	14.3
236	25.1	20.6	31.0





#77

Pvrene

Concen: 4.90 ng

RT: 12.87 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF084272.D

Acq: 5 Jan 2016 8:16

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(18.0-18.5)

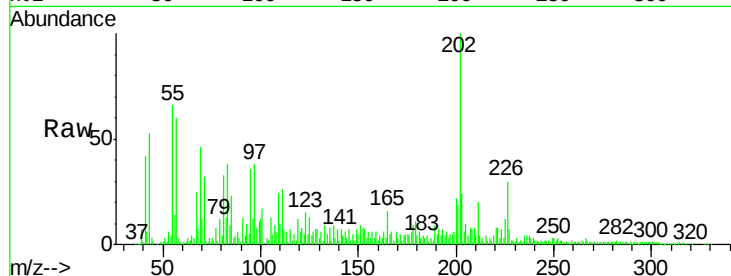
Tot Ion:202 Resp: 211824

Ion Ratio Lower Upper

202 100

200 21.6 17.2 25.8

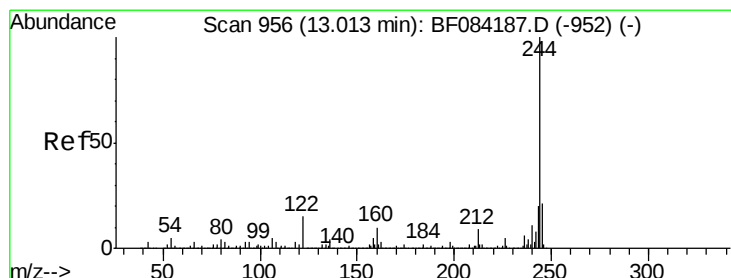
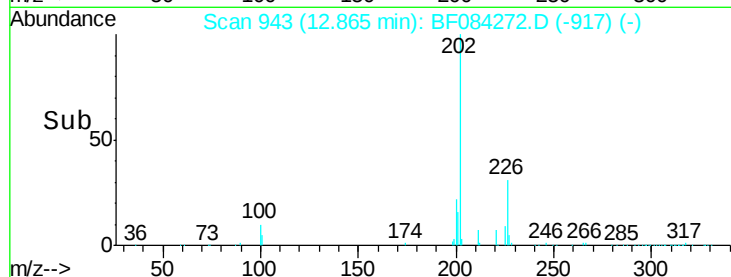
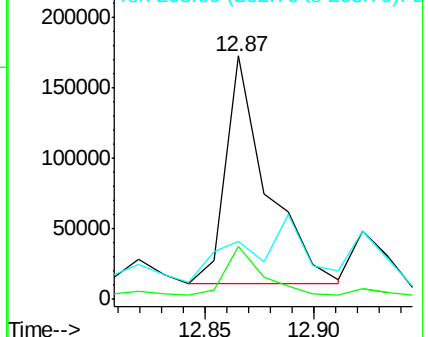
203 23.8 14.3 21.5#



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



#78

Terphenyl-d14

Concen: 63.39 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF084272.D

Acq: 5 Jan 2016 8:16

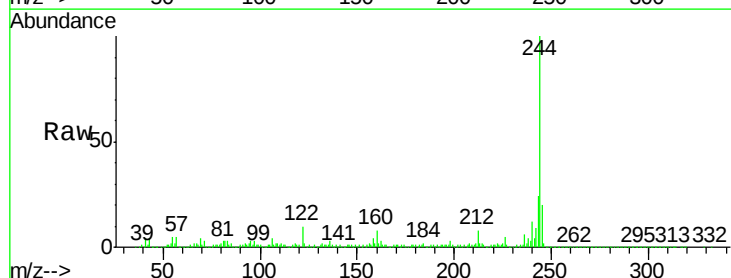
Tgt Ion:244 Resp: 1565663

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

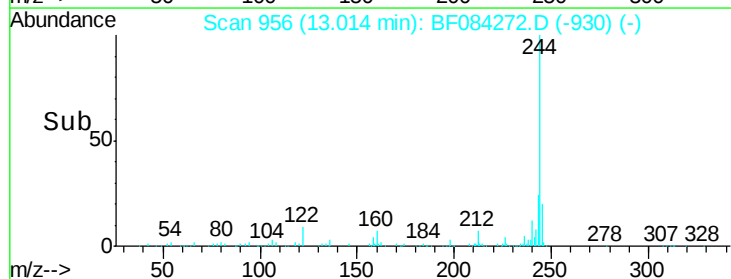
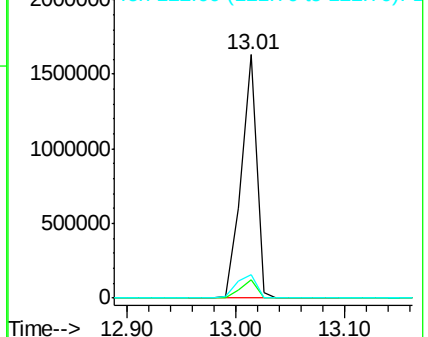
122 9.6 7.4 11.0

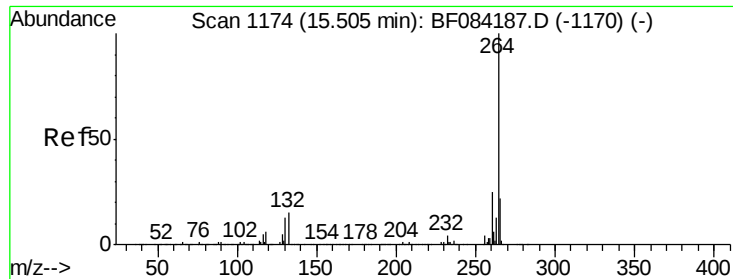


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF084272.D
Acq: 5 Jan 2016 8:16

Instrument :
BNA_F
ClientSampleId :
PJ-SB-1(18.0-18.5)

Tot Ion: 264 Resp: 540470
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.2
265 21.6 17.8 26.6

