

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
 Data File : BF099719.D
 Acq On : 21 Oct 2017 1:35
 Operator : SJ/JU
 Sample : I5982-01 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 21 21:29:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 20 13:11:43 2017
 Response via : Initial Calibration

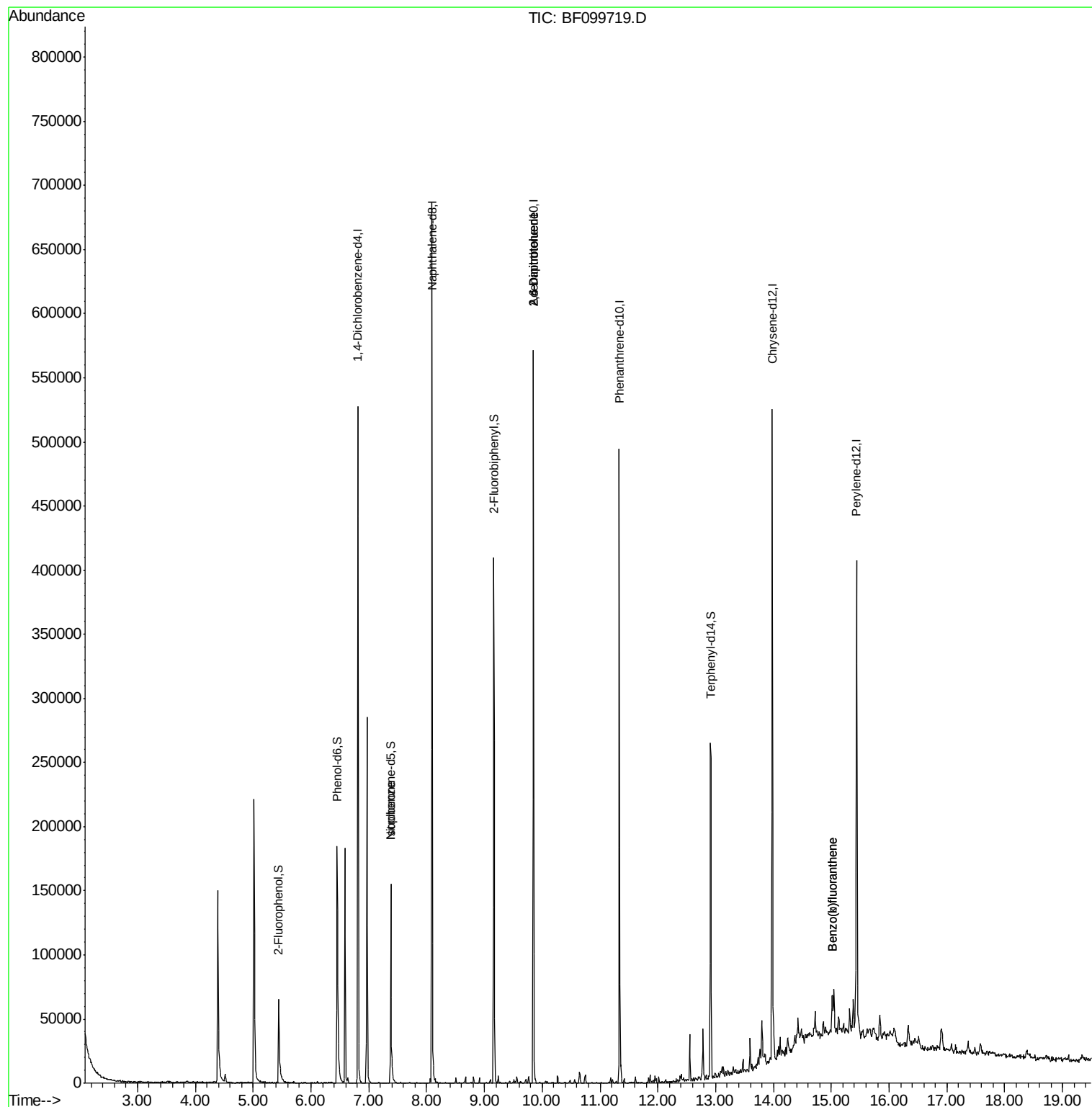
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	84074	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	308363	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	109396	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	165003	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	170644	20.00	ng	0.00
86) Perylene-d12	15.44	264	151397	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	35305	6.68	ng	0.00
7) Phenol-d6	6.45	99	85755	13.16	ng	-0.01
23) Nitrobenzene-d5	7.38	82	60534	12.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	1712	1.91	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	119666	18.26	ng	-0.01
78) Terphenyl-d14	12.92	244	84722	11.29	ng	0.00
Target Compounds						
25) Isophorone	7.38	82	60534	6.089	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	14011	7.795	ng	# 24
56) 2,4-Dinitrotoluene	9.85	165	14011	6.006	ng	# 21
87) Benzo(b)fluoranthene	15.02	252	21213	2.279	ng	# 93
88) Benzo(k)fluoranthene	15.02	252	21213	2.307	ng	# 95

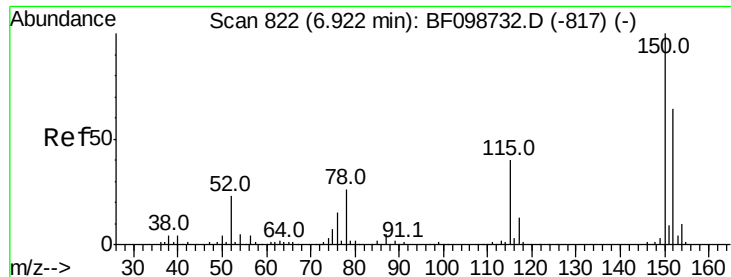
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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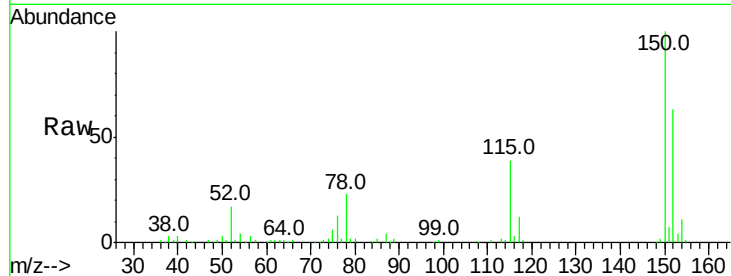


#1

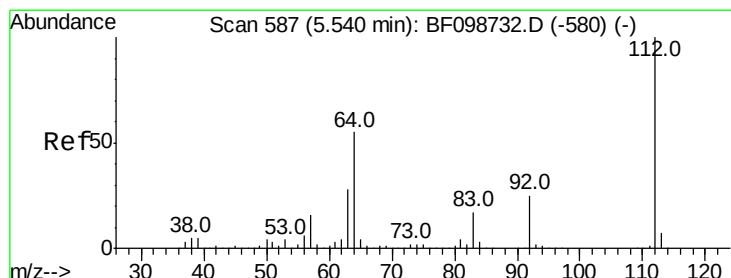
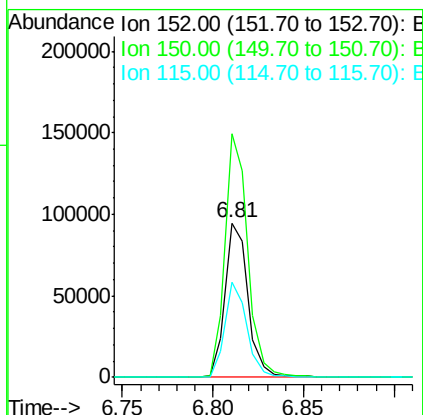
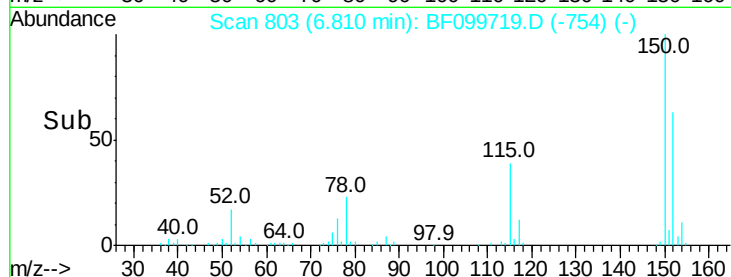
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF099719.D
Acq: 21 Oct 2017 1:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 84074
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 61.2 50.1 75.1



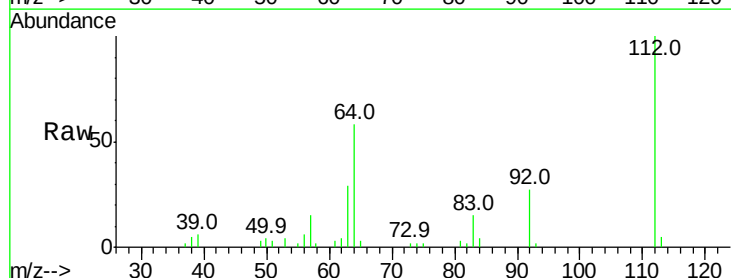
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



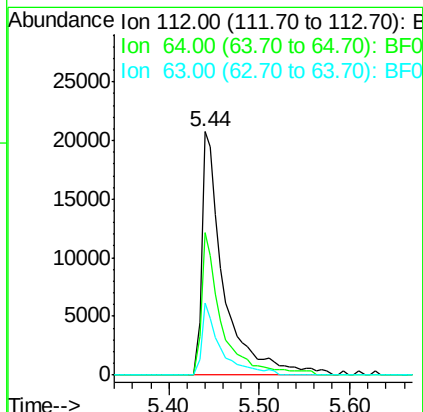
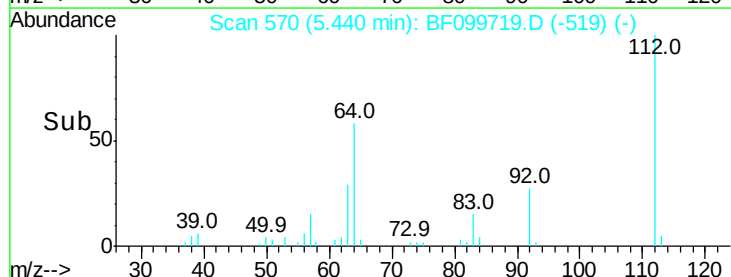
#5

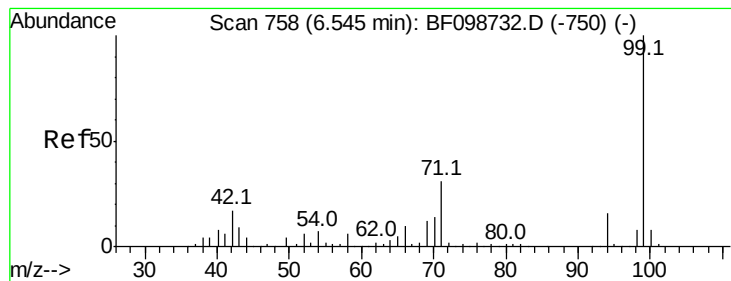
2-Fluorophenol
Concen: 6.685 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF099719.D
Acq: 21 Oct 2017 1:35

Tgt Ion:112 Resp: 35305
Ion Ratio Lower Upper
112 100
64 58.3 47.9 71.9
63 29.4 23.7 35.5



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: 13.162 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099719.D

Acq: 21 Oct 2017 1:35

Instrument :

BNA_F

ClientSampleId :

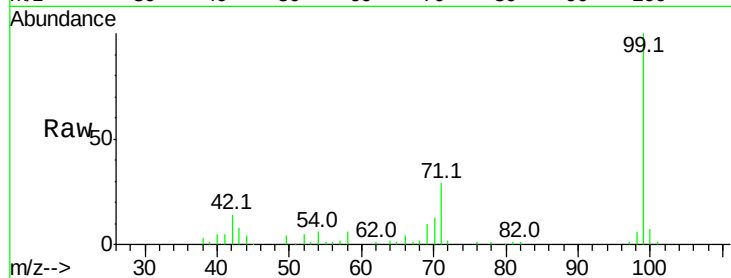
Tot Ion: 99 Resp: 85755

Ion Ratio Lower Upper

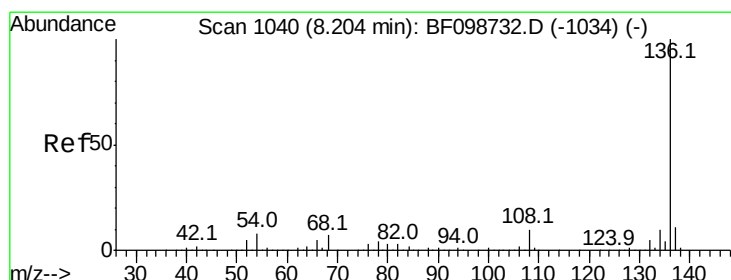
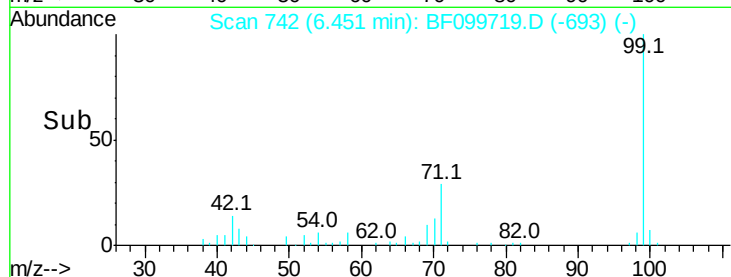
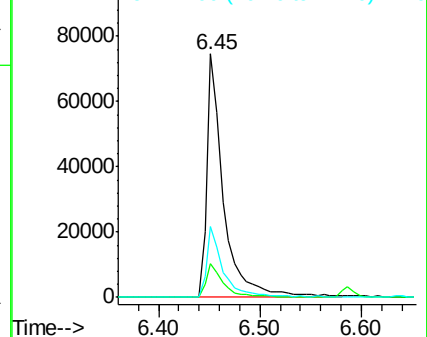
99 100

42 13.7 14.5 21.7#

71 28.9 25.4 38.0



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: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF099719.D

Acq: 21 Oct 2017 1:35

Tgt Ion: 136 Resp: 308363

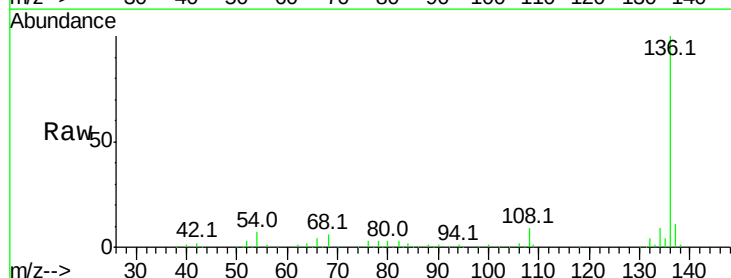
Ion Ratio Lower Upper

136 100

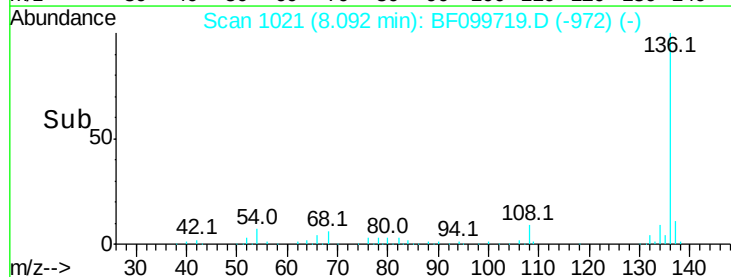
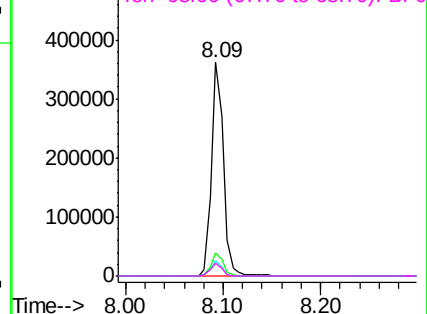
137 11.0 8.9 13.3

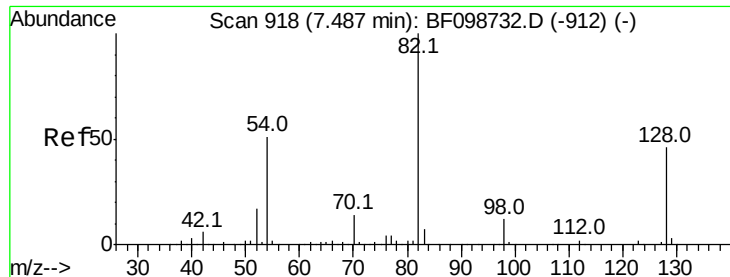
54 7.0 6.6 9.8

68 6.2 5.0 7.4



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

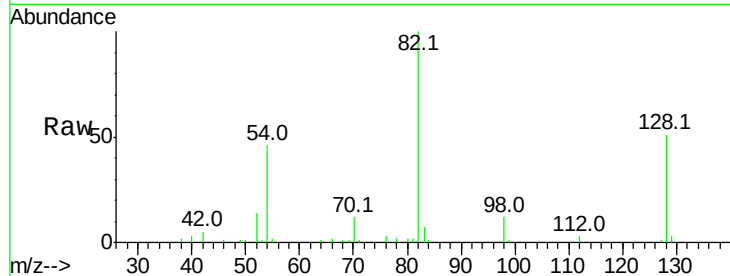




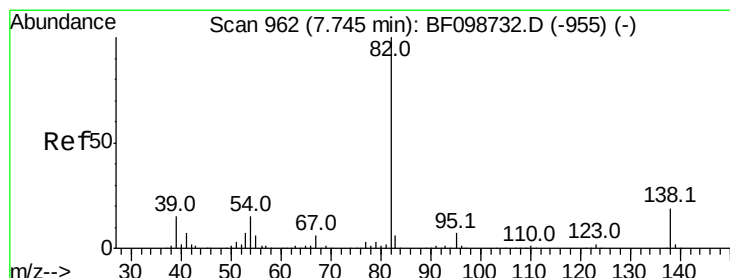
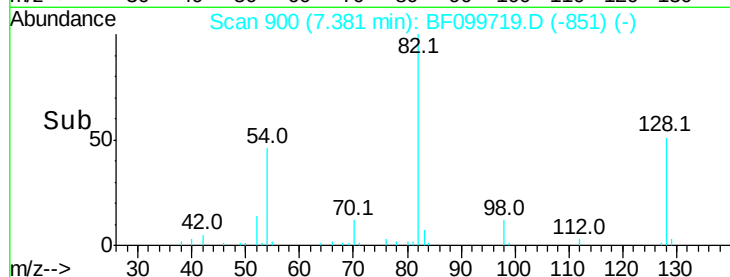
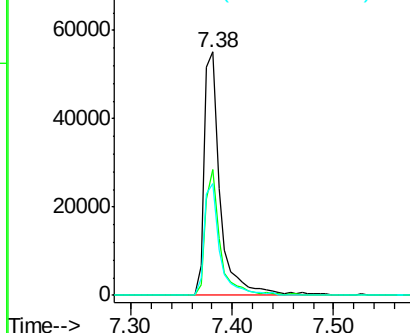
#23
 Nitrobenzene-d5
 Concen: 12.589 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF099719.D
 Acq: 21 Oct 2017 1:35

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 60534
 Ion Ratio Lower Upper
 82 100
 128 51.5 36.1 54.1
 54 45.7 41.4 62.2

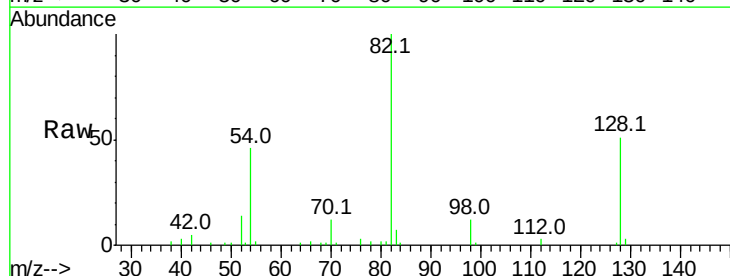


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

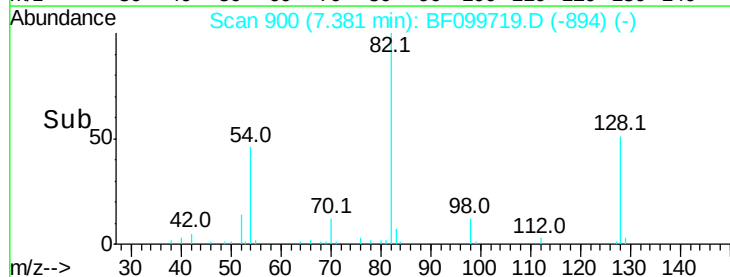
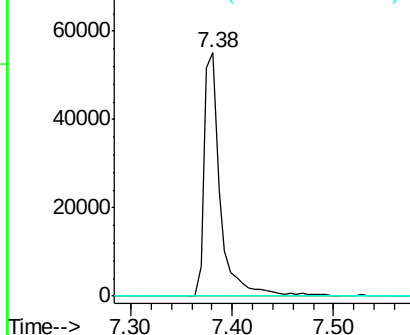


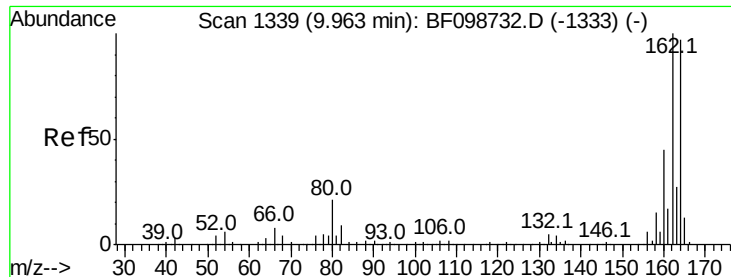
#25
 Isophorone
 Concen: 6.089 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.26 min
 Lab File: BF099719.D
 Acq: 21 Oct 2017 1:35

Tgt Ion: 82 Resp: 60534
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

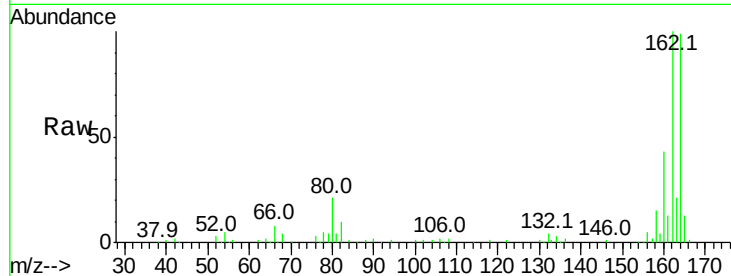




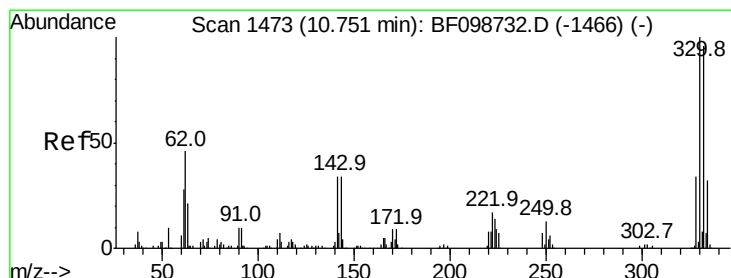
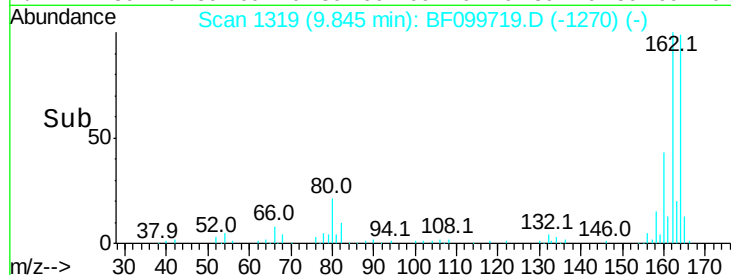
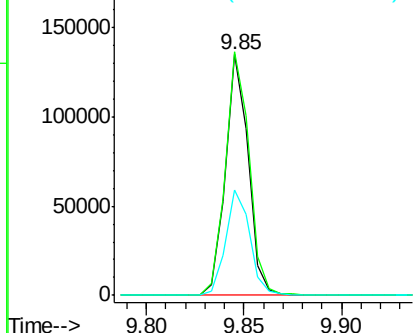
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF099719.D
Acq: 21 Oct 2017 1:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 109396
Ion Ratio Lower Upper
164 100
162 101.1 86.1 129.1
160 43.8 38.3 57.5

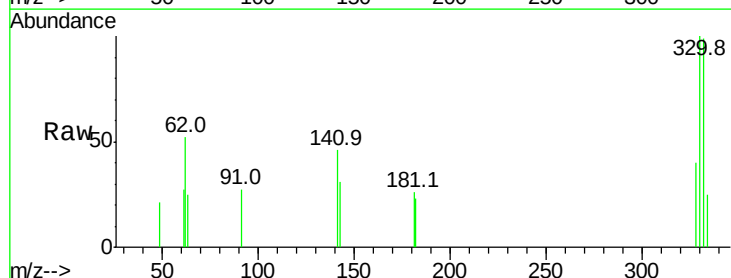


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

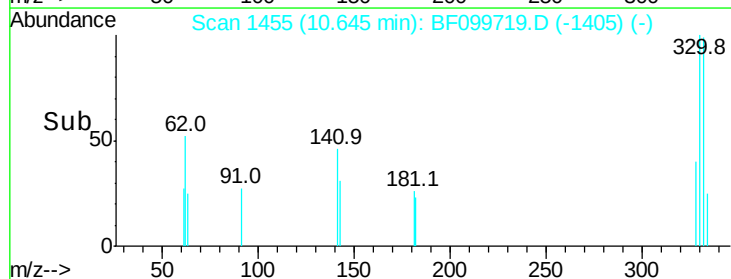
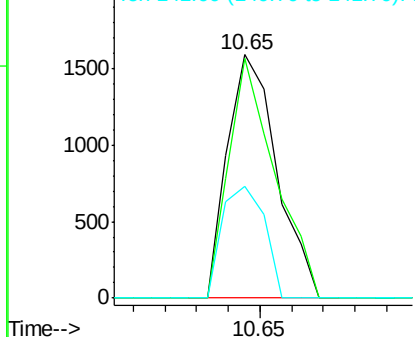


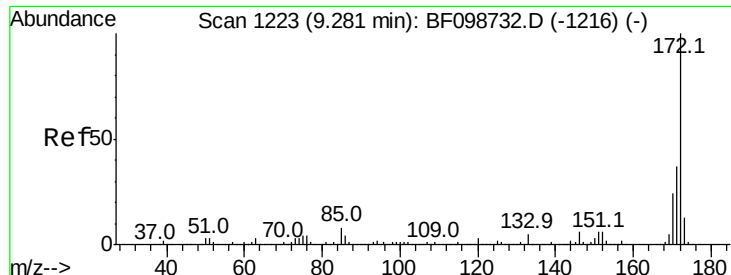
#41
2,4,6-Tribromophenol
Concen: 1.913 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.01 min
Lab File: BF099719.D
Acq: 21 Oct 2017 1:35

Tgt Ion:330 Resp: 1712
Ion Ratio Lower Upper
330 100
332 92.2 77.0 115.6
141 39.4 29.9 44.9



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

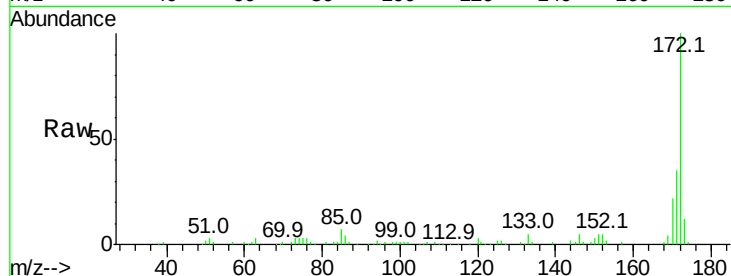




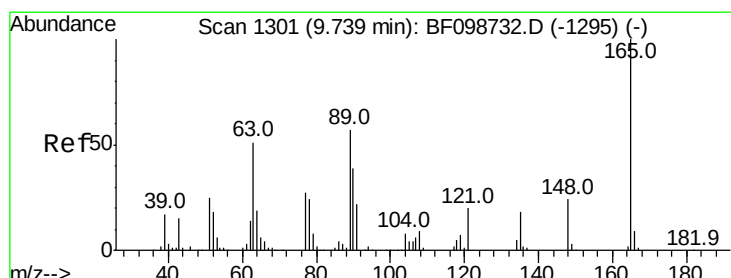
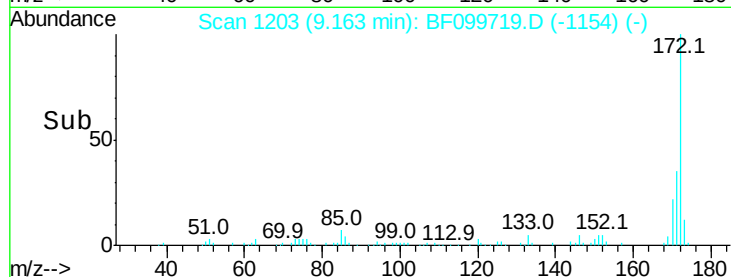
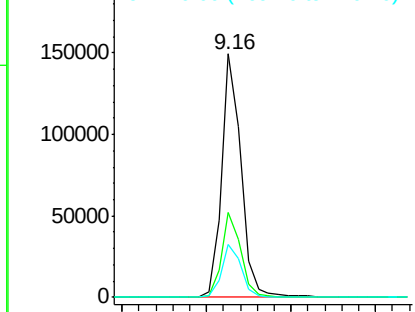
#44
 2-Fluorobiphenyl
 Concen: 18.261 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF099719.D
 Acq: 21 Oct 2017 1:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	21.9	19.6	29.4

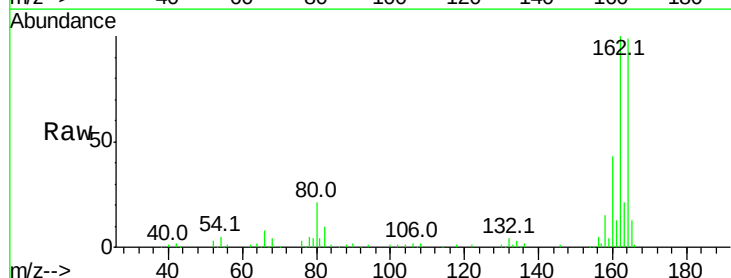


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

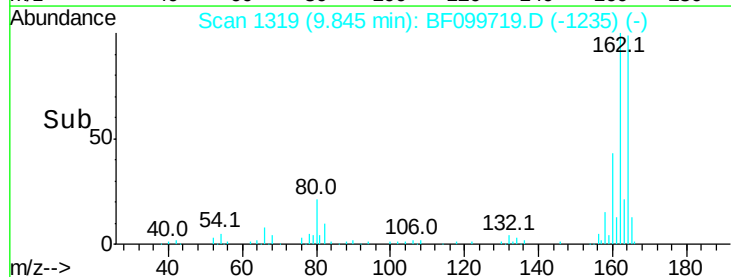
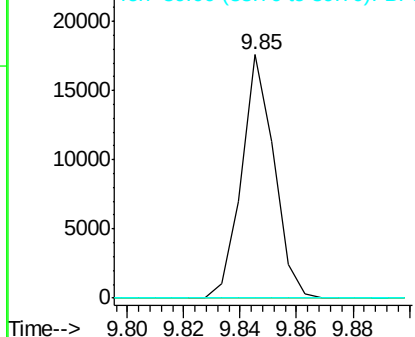


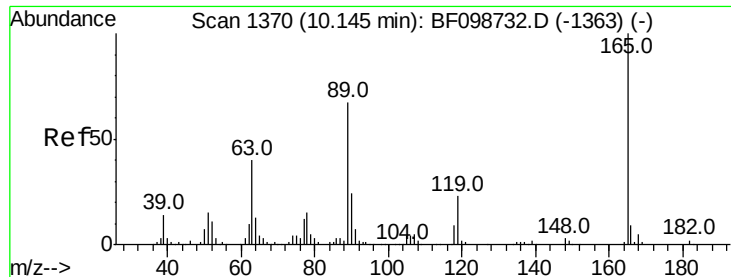
#50
 2,6-Dinitrotoluene
 Concen: 7.795 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.19 min
 Lab File: BF099719.D
 Acq: 21 Oct 2017 1:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

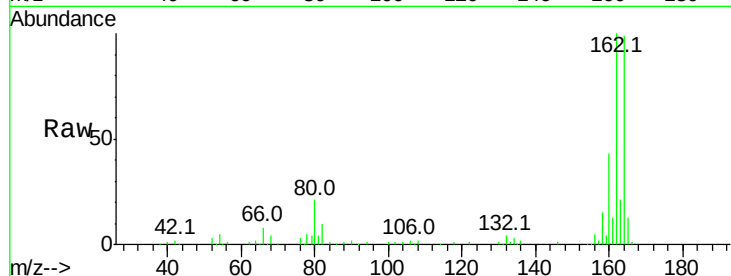




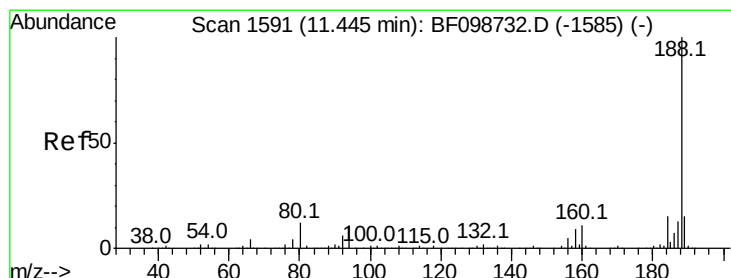
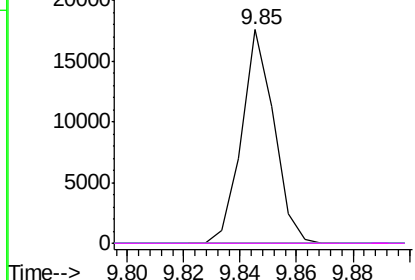
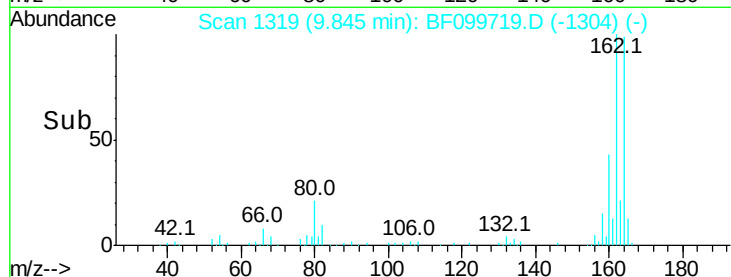
#56
 2,4-Dinitrotoluene
 Concen: 6.006 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.21 min
 Lab File: BF099719.D
 Acq: 21 Oct 2017 1:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 14011
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

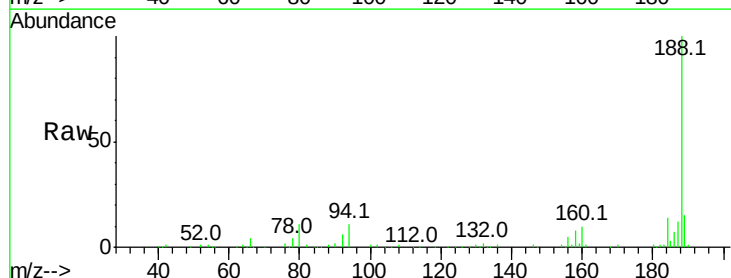


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

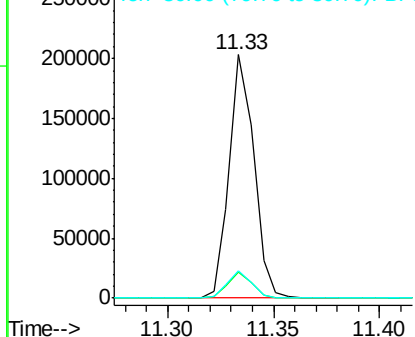
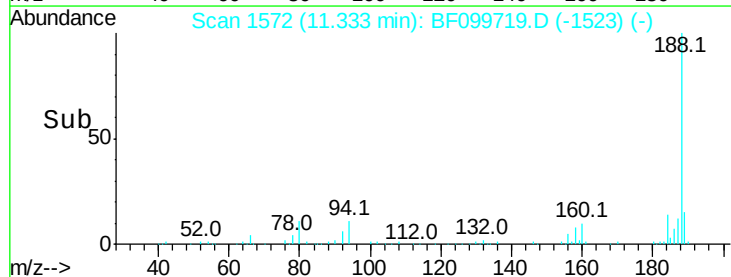


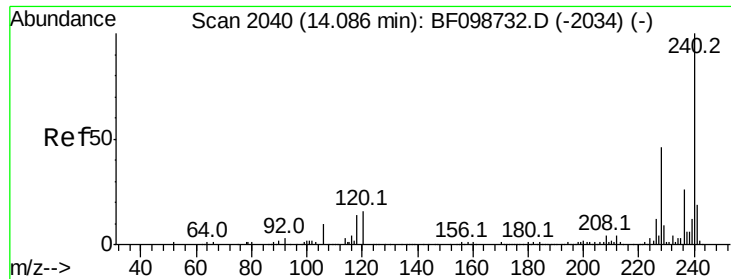
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF099719.D
 Acq: 21 Oct 2017 1:35

Tgt Ion:188 Resp: 165003
 Ion Ratio Lower Upper
 188 100
 94 10.7 8.5 12.7
 80 11.5 9.2 13.8



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

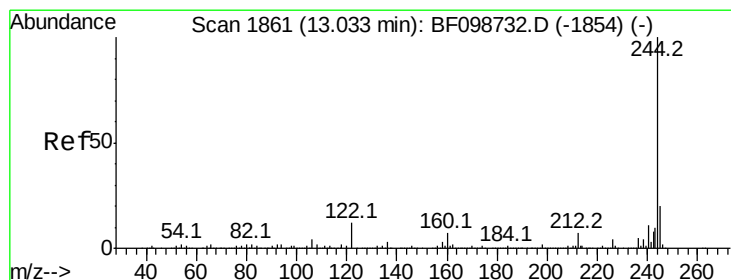
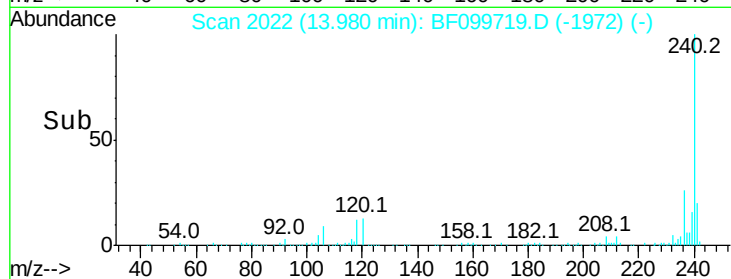
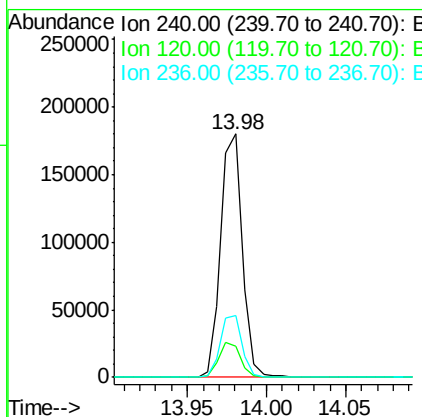
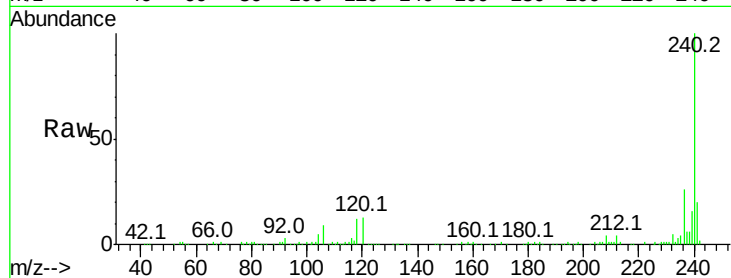




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF099719.D
 Acq: 21 Oct 2017 1:35

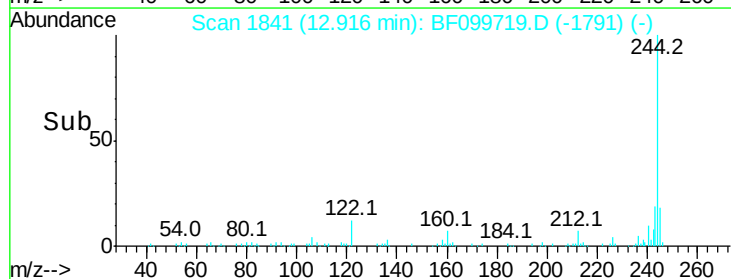
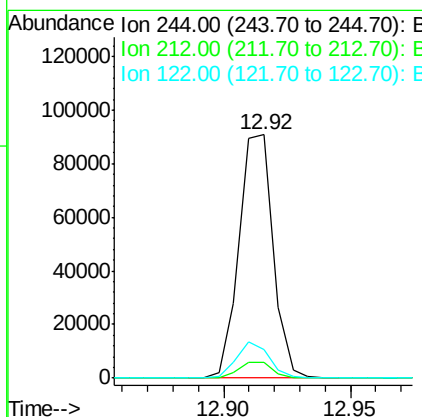
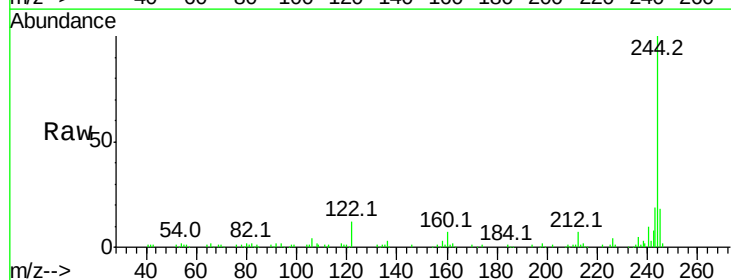
Instrument :
 BNA_F
 ClientSampleId :

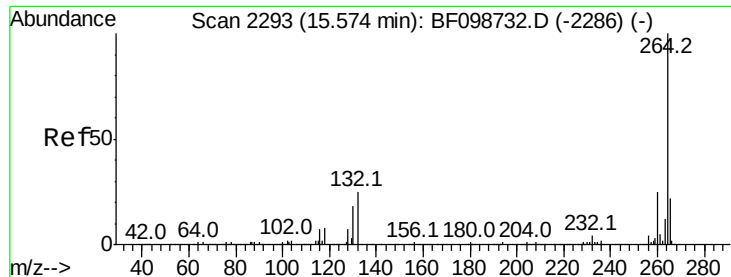
Tot Ion:240 Resp: 170644
 Ion Ratio Lower Upper
 240 100
 120 12.9 9.5 14.3
 236 25.5 20.7 31.1



#78
 Terphenyl-d14
 Concen: 11.291 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF099719.D
 Acq: 21 Oct 2017 1:35

Tgt Ion:244 Resp: 84722
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 11.8 11.0 16.4

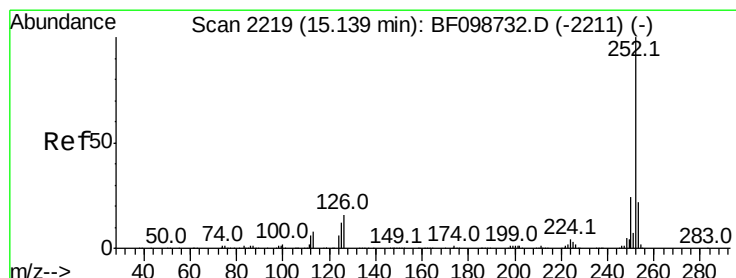
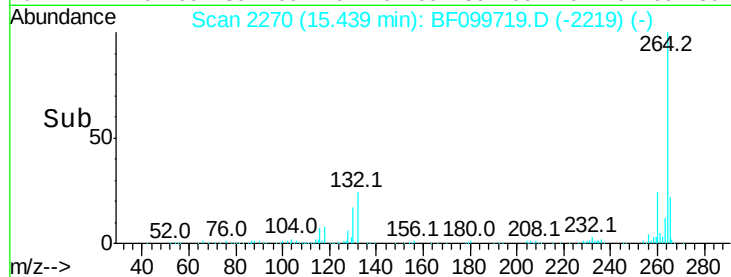
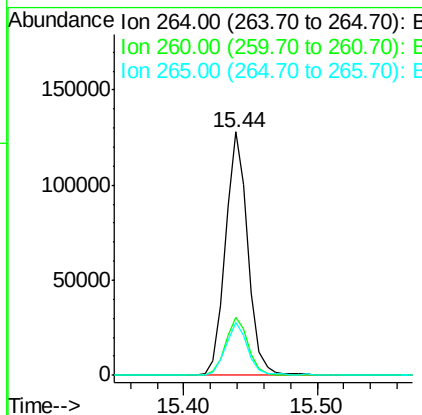
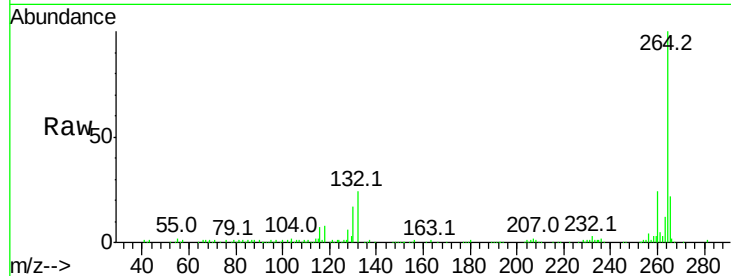




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF099719.D
Acq: 21 Oct 2017 1:35

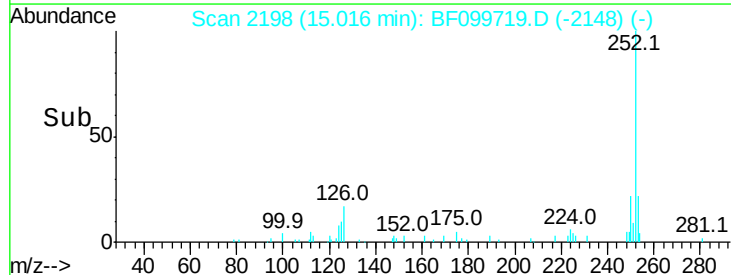
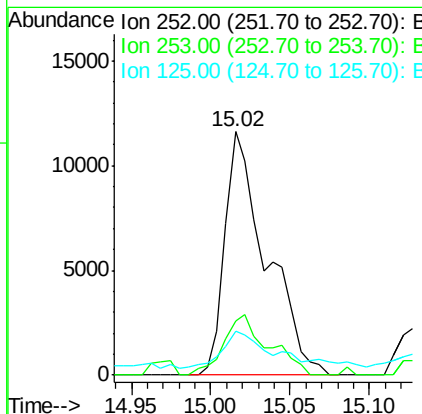
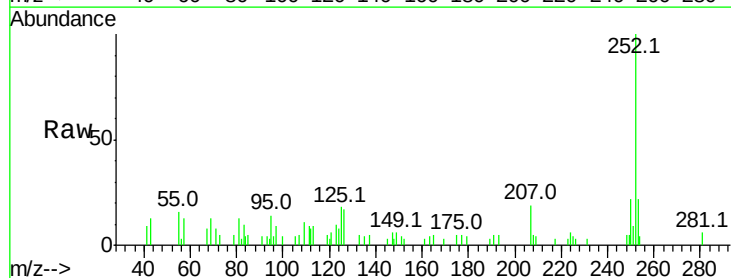
Instrument :
BNA_F
ClientSampleId :

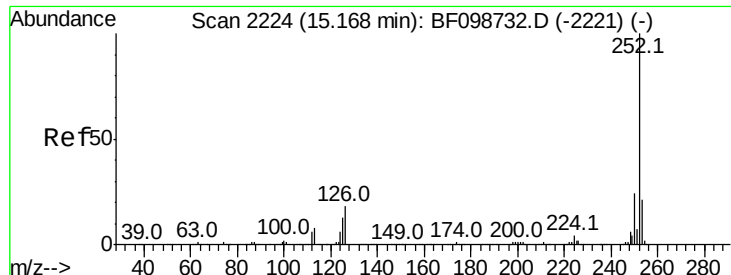
Tot Ion:264 Resp: 151397
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.7 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.279 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF099719.D
Acq: 21 Oct 2017 1:35

Tgt Ion:252 Resp: 21213
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.6
125 18.0 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 2.307 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.04 min

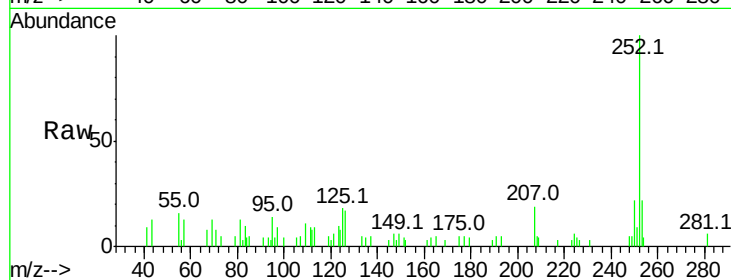
Lab File: BF099719.D

Acq: 21 Oct 2017 1:35

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	21213
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	18.0	10.2	15.2

