

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114666.D
 Acq On : 30 May 2019 18:04
 Operator : HP/JU
 Sample : PB119288BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 05:45:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

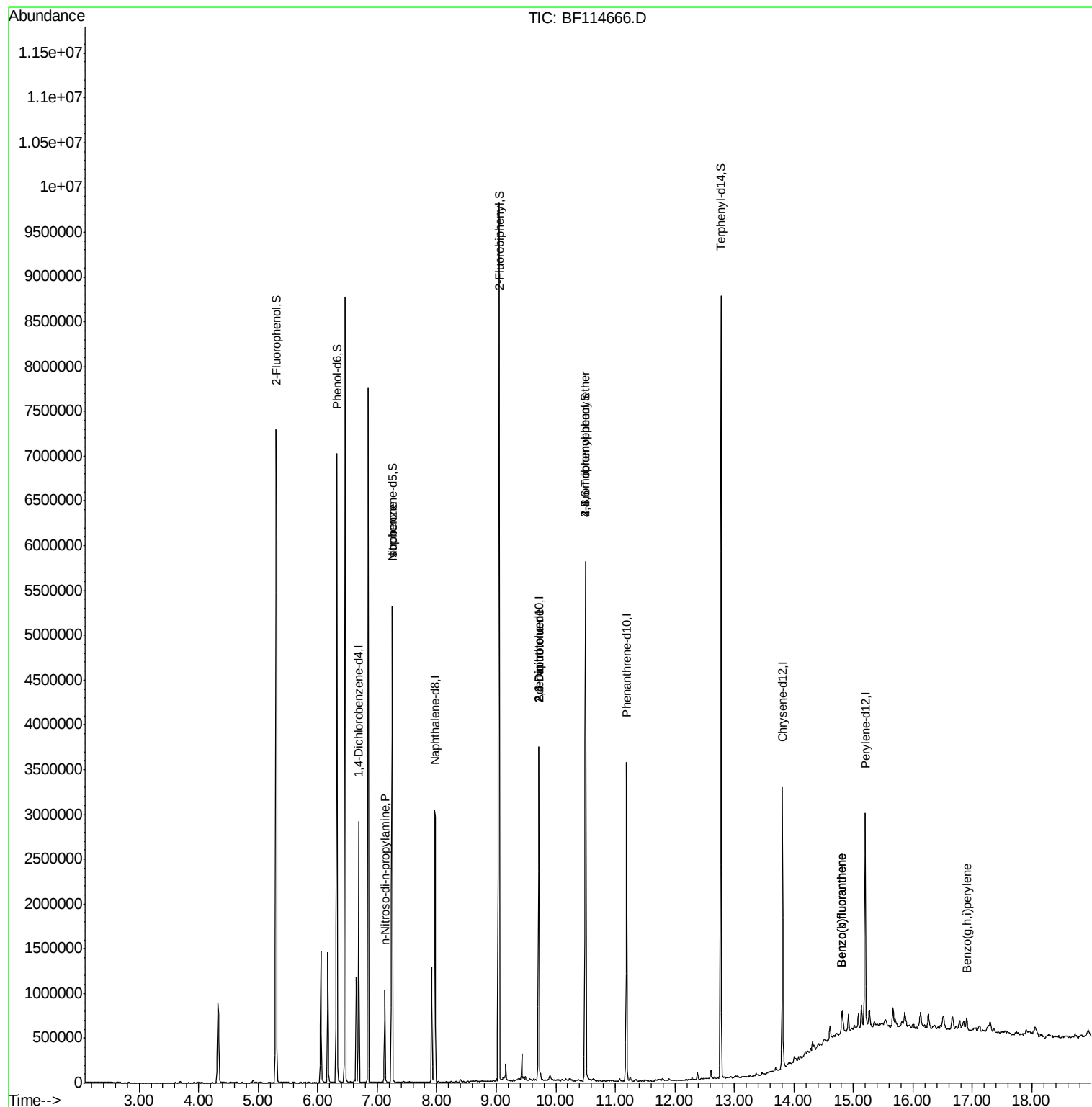
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	400728	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1493512	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	924847	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1362323	20.00	ng	0.00
76) Chrysene-d12	13.81	240	971403	20.00	ng	0.00
87) Perylene-d12	15.20	264	1033301	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	2561552	112.23	ng	0.01
7) Phenol-d6	6.33	99	3139556	114.15	ng	0.00
23) Nitrobenzene-d5	7.25	82	1956632	81.74	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	825915	93.72	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	3877565	77.31	ng	0.00
79) Terphenyl-d14	12.77	244	3247572	62.86	ng	0.00
Target Compounds						
9) Benzaldehyde	6.17	77	10329	Below Cal	#	77
19) n-Nitroso-di-n-propylamine	7.13	70	42443	2.236 ng	#	77
25) Isophorone	7.25	82	1833270	38.160 ng	#	63
51) 2,6-Dinitrotoluene	9.72	165	120630	8.056 ng	#	31
57) 2,4-Dinitrotoluene	9.72	165	120630	6.277 ng	#	23
58) Fluorene	10.25	166	8110	Below Cal	#	86
61) 4-Chlorophenyl-phenylether	10.49	204	141	Below Cal	#	1
67) 4-Bromophenyl-phenylether	10.50	248	52559	3.598 ng	#	1
74) Di-n-butylphthalate	11.76	149	2134	Below Cal	#	70
88) Benzo(b)fluoranthene	14.81	252	172141	2.645 ng	#	96
89) Benzo(k)fluoranthene	14.81	252	172141	3.043 ng	#	96
92) Benzo(a,h,i)perylene	16.90	276	108787	2.219 ng		100

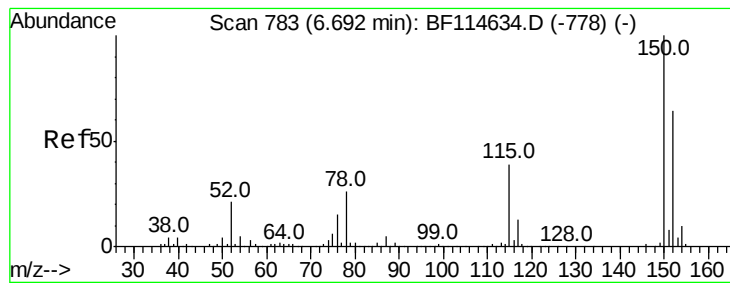
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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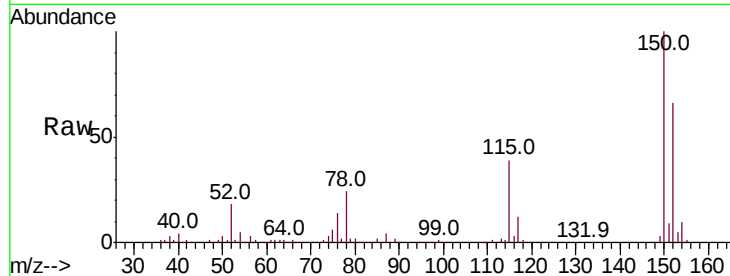


#1

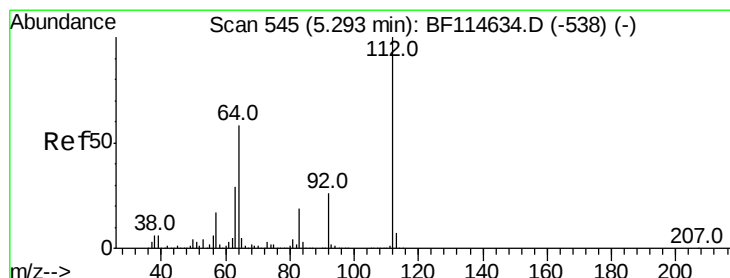
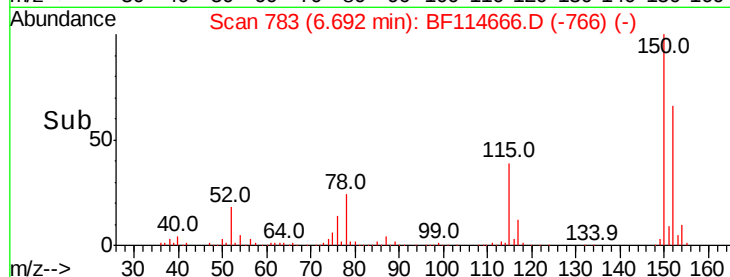
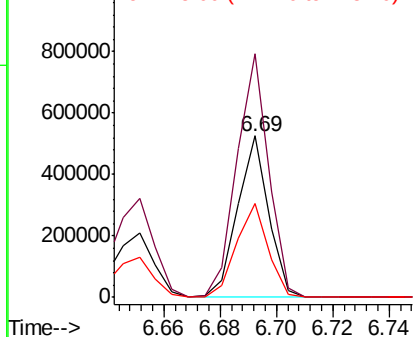
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF114666.D
Acq: 30 May 2019 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 400728
Ion Ratio Lower Upper
152 100
150 151.1 124.4 186.6
115 58.6 48.7 73.1



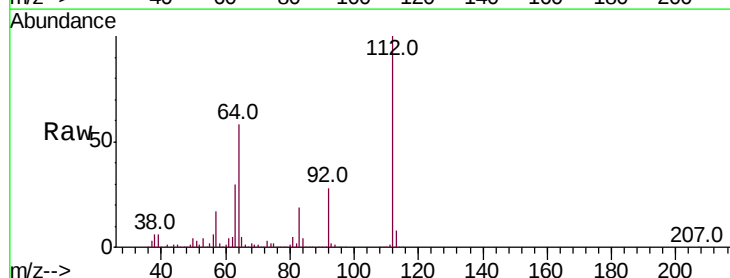
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



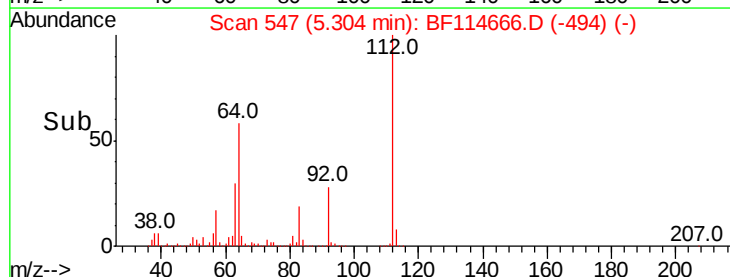
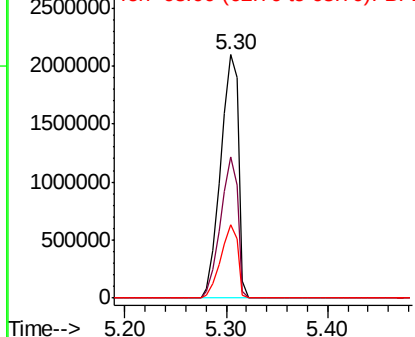
#5

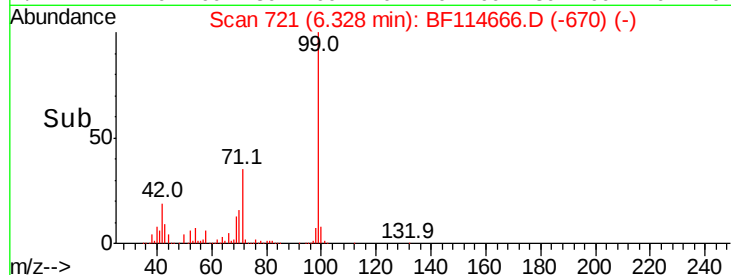
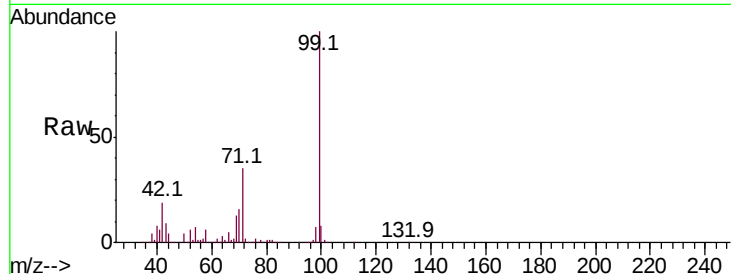
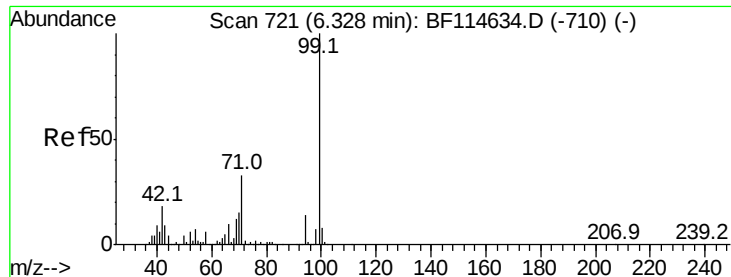
2-Fluorophenol
Concen: 112.229 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF114666.D
Acq: 30 May 2019 18:04

Tgt Ion:112 Resp: 2561552
Ion Ratio Lower Upper
112 100
64 57.8 46.1 69.1
63 29.9 23.4 35.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 114.149 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF114666.D

Acq: 30 May 2019 18:04

Instrument :

BNA_F

ClientSampleId :

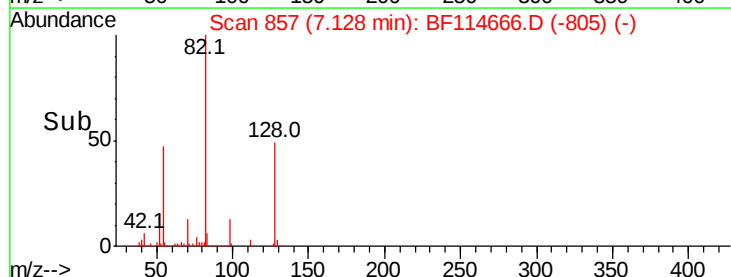
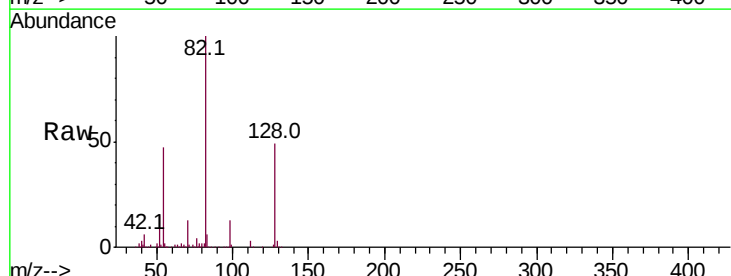
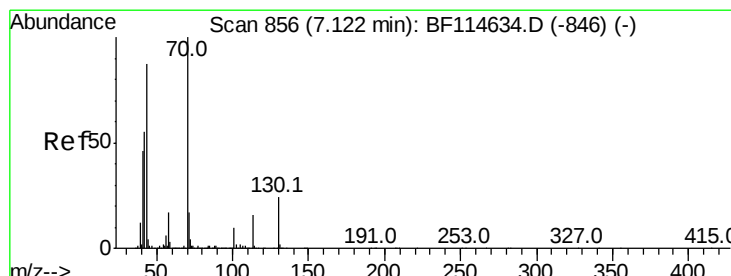
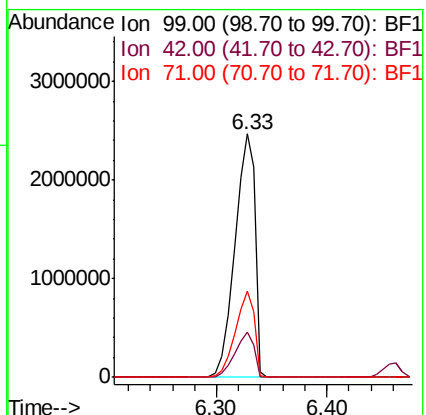
Tot Ion: 99 Resp: 3139556

Ion Ratio Lower Upper

99 100

42 18.7 14.7 22.1

71 35.4 26.6 40.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.236 ng

RT: 7.13 min Scan# 857

Delta R.T. 0.01 min

Lab File: BF114666.D

Acq: 30 May 2019 18:04

Tgt Ion: 70 Resp: 42443

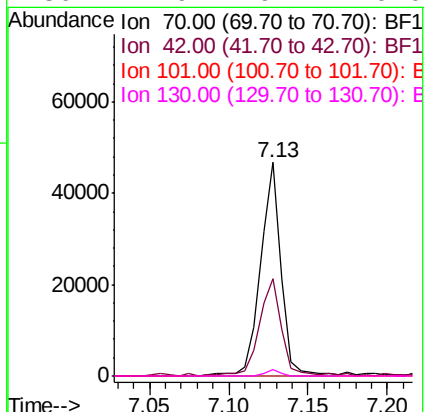
Ion Ratio Lower Upper

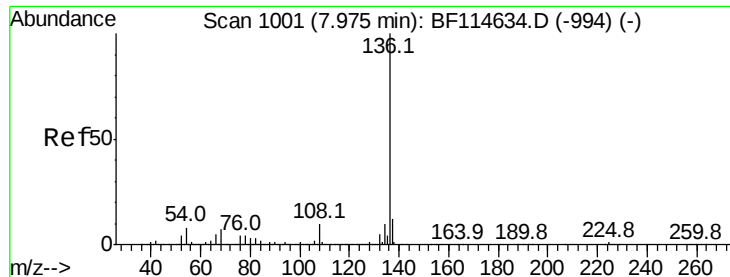
70 100

42 45.4 44.4 66.6

101 0.0 8.2 12.4#

130 2.9 19.4 29.0#



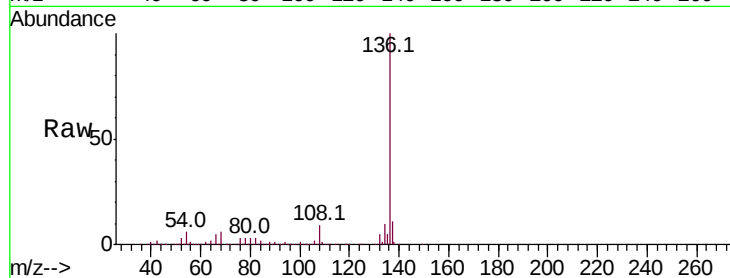


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF114666.D
Acq: 30 May 2019 18:04

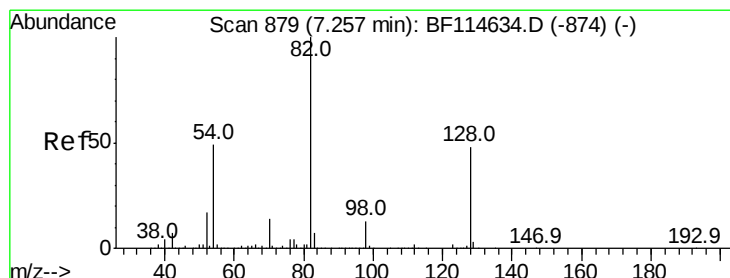
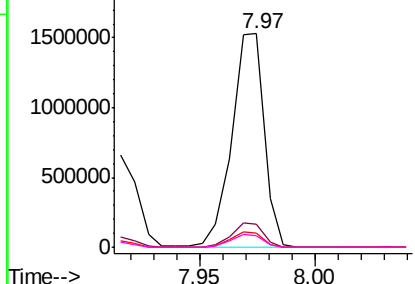
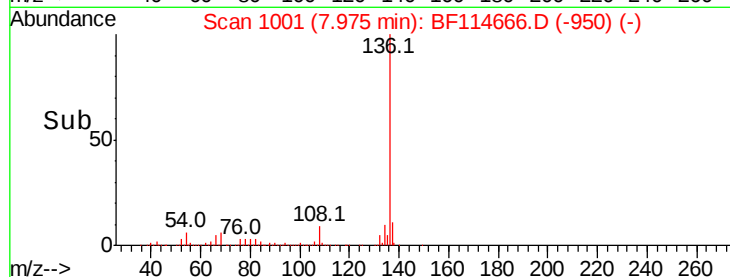
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 1493512

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.3	13.9
54	6.4	6.3	9.5
68	5.6	5.4	8.0



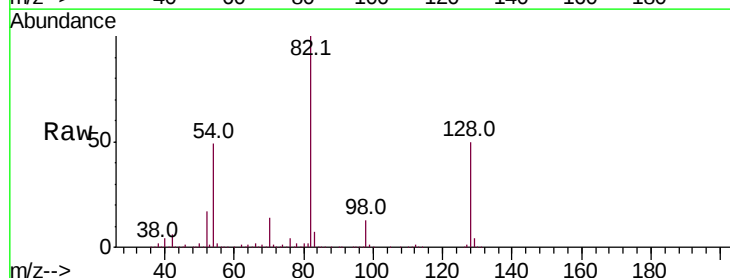
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



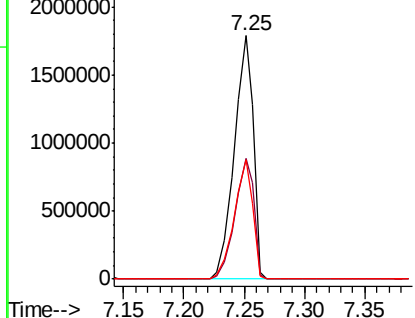
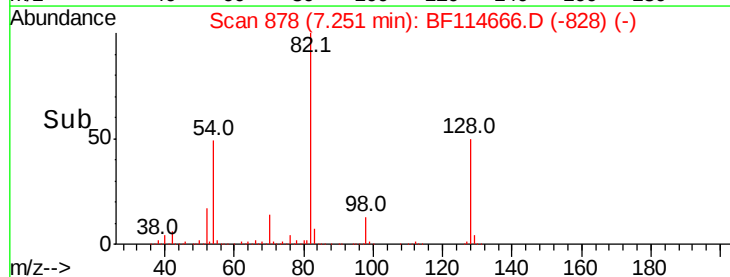
#23
Nitrobenzene-d5
Concen: 81.735 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF114666.D
Acq: 30 May 2019 18:04

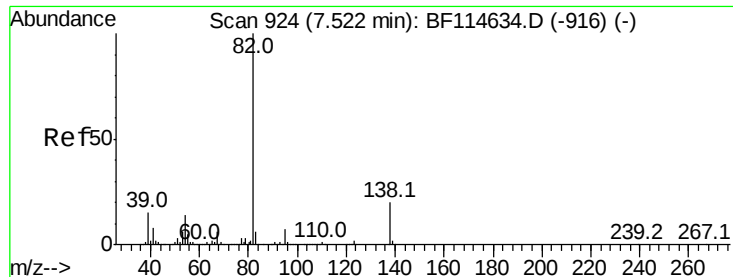
Tgt Ion: 82 Resp: 1956632

Ion	Ratio	Lower	Upper
82	100		
128	49.6	38.5	57.7
54	49.1	39.1	58.7



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.160 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.27 min

Lab File: BF114666.D

Acq: 30 May 2019 18:04

Instrument :

BNA_F

ClientSampleId :

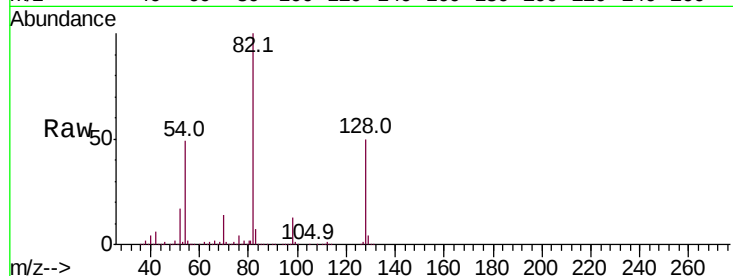
Tot Ion: 82 Resp: 1833270

Ion Ratio Lower Upper

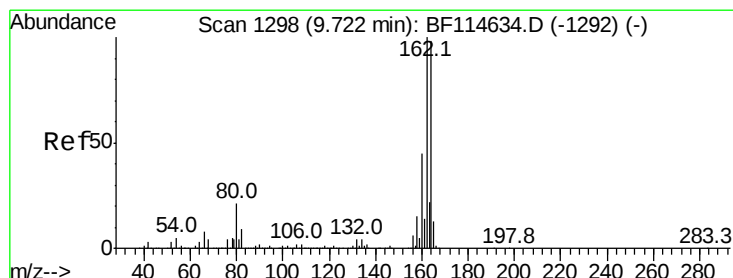
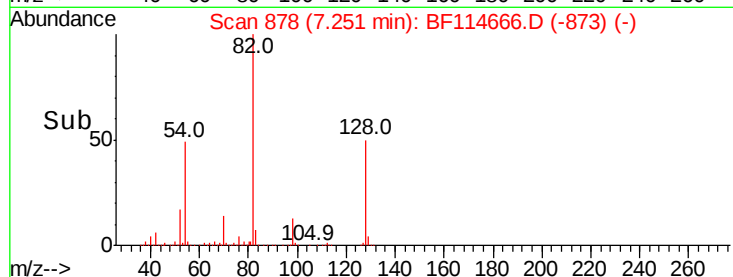
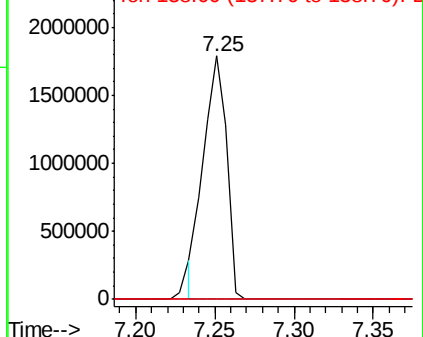
82 100

95 0.0 5.6 8.4#

138 0.0 15.9 23.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF114666.D

Acq: 30 May 2019 18:04

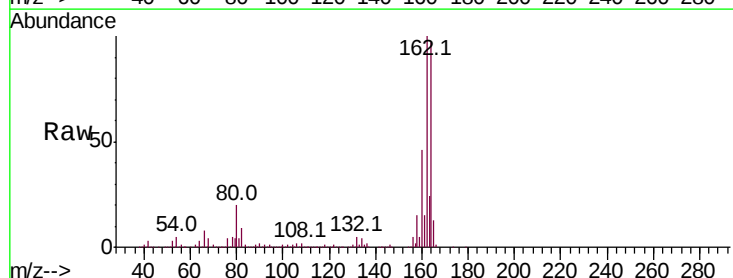
Tgt Ion:164 Resp: 924847

Ion Ratio Lower Upper

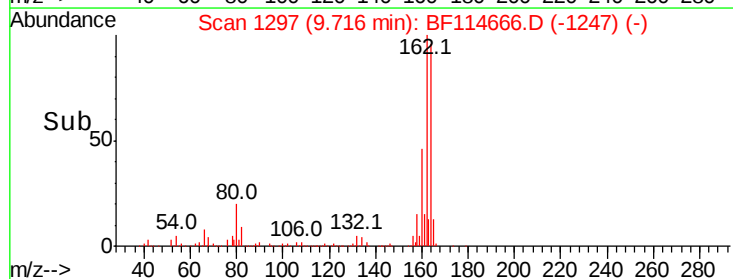
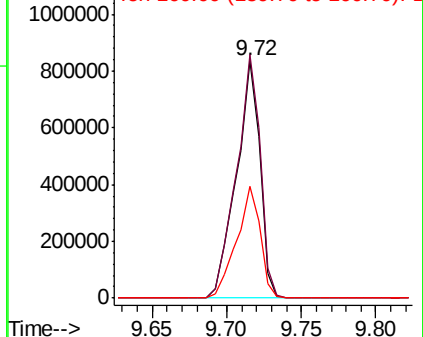
164 100

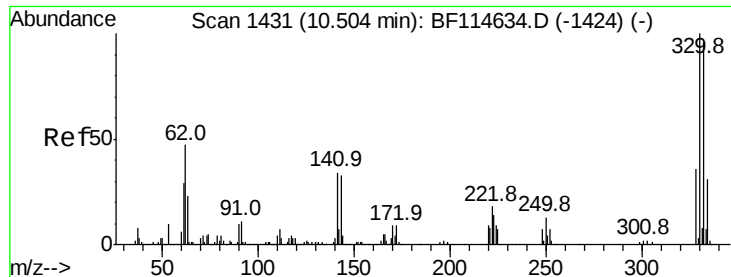
162 102.6 81.4 122.2

160 46.9 36.6 54.8



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

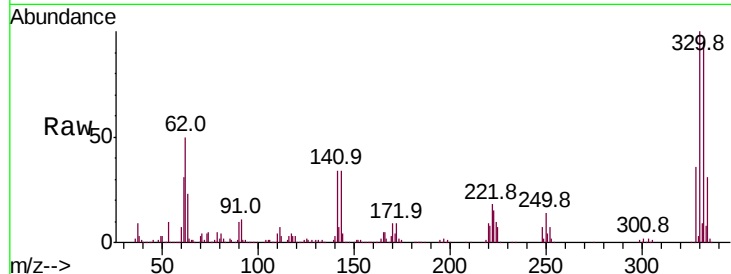




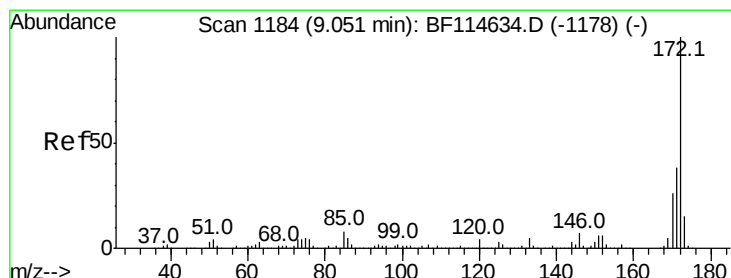
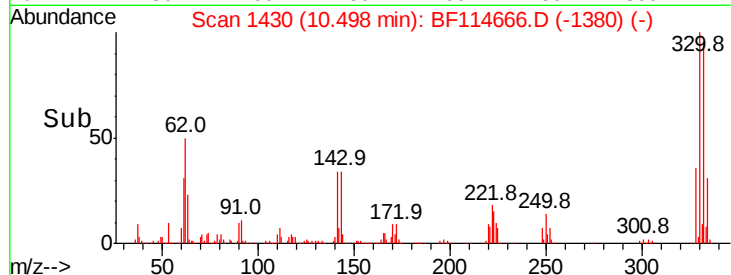
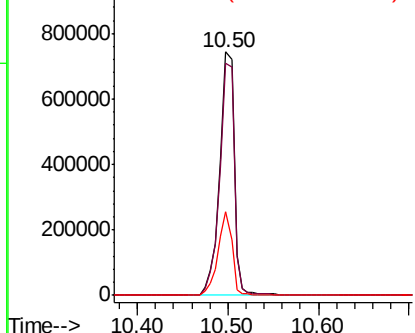
#42
 2,4,6-Tribromophenol
 Concen: 93.723 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: BF114666.D
 Acq: 30 May 2019 18:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	75.8	113.8
141	33.3	27.8	41.8

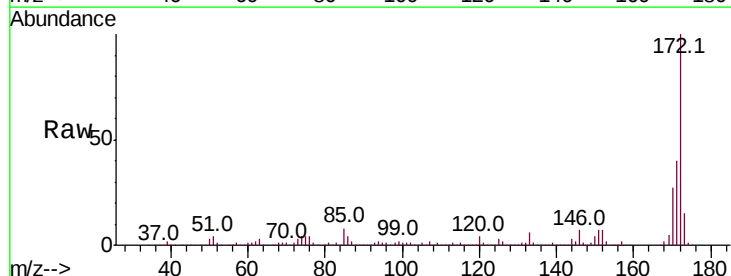


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

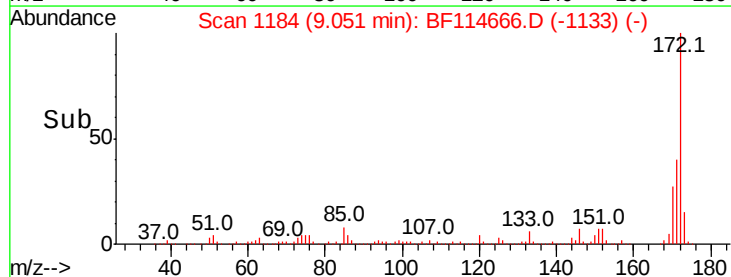
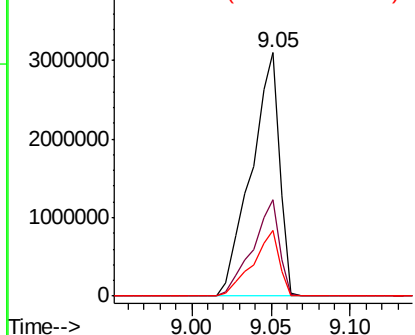


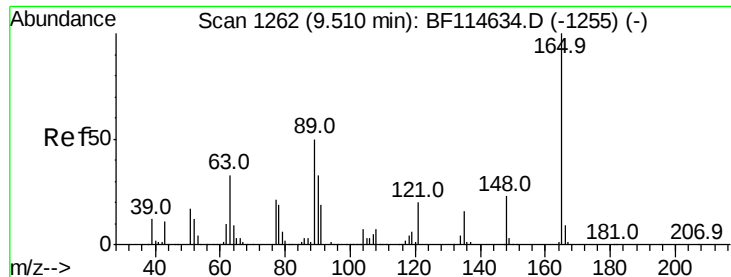
#45
 2-Fluorobiphenyl
 Concen: 77.311 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF114666.D
 Acq: 30 May 2019 18:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.8	30.6	45.8
170	27.1	20.7	31.1



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

2,6-Dinitrotoluene

Concen: 8.056 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.21 min

Lab File: BF114666.D

Acq: 30 May 2019 18:04

Instrument :

BNA_F

ClientSampleId :

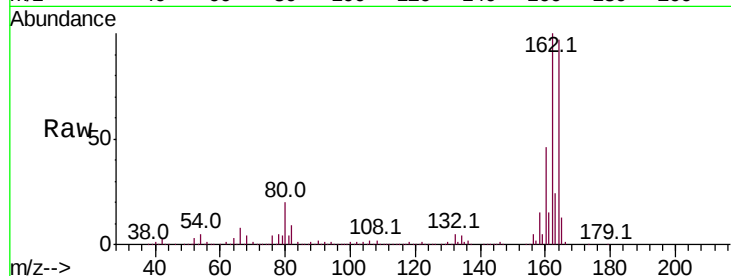
Tot Ion:165 Resp: 120630

Ion Ratio Lower Upper

165 100

63 0.8 36.6 54.8#

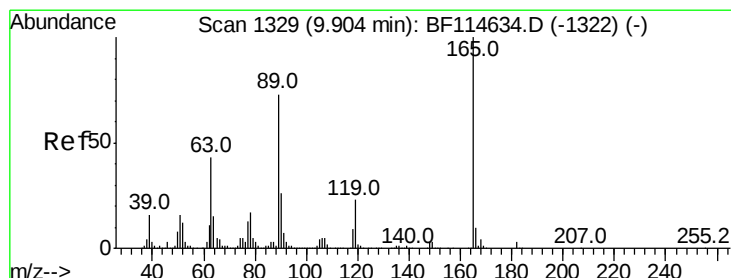
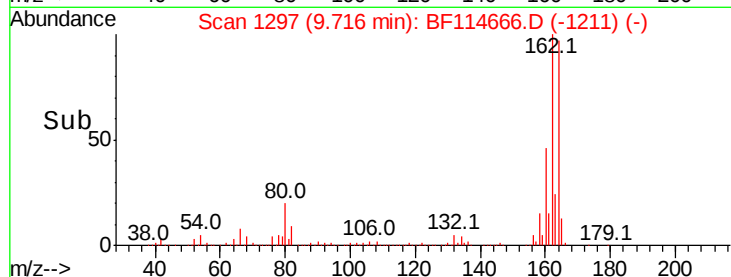
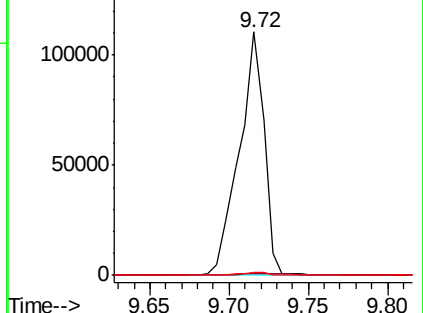
89 1.4 40.2 60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 6.277 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.19 min

Lab File: BF114666.D

Acq: 30 May 2019 18:04

Tgt Ion:165 Resp: 120630

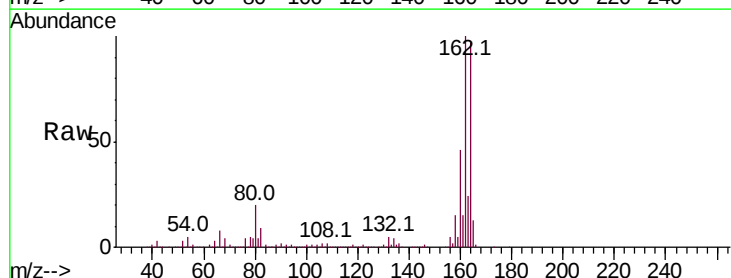
Ion Ratio Lower Upper

165 100

63 0.8 34.8 52.2#

89 1.4 58.5 87.7#

182 0.0 2.2 3.2#

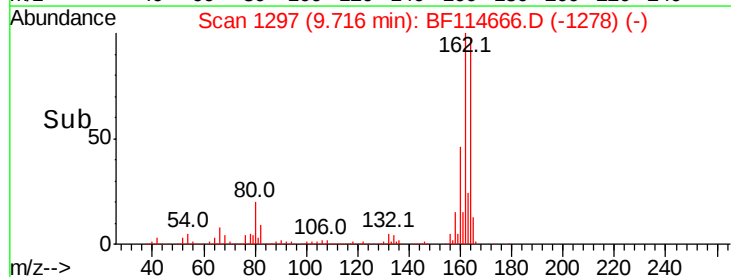
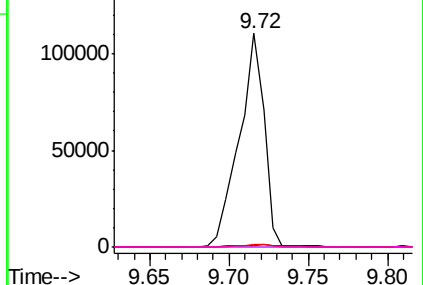


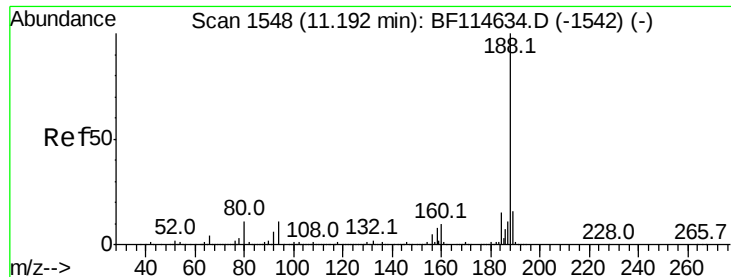
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

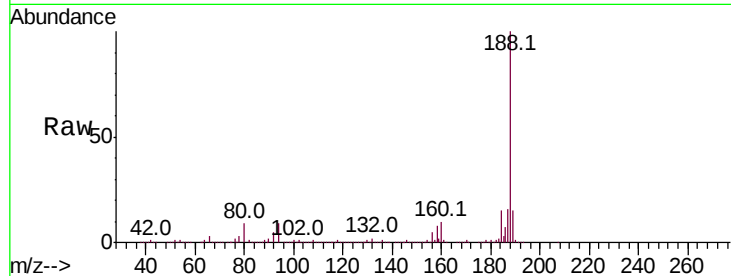




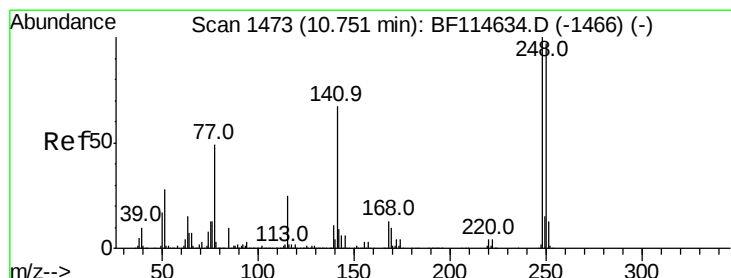
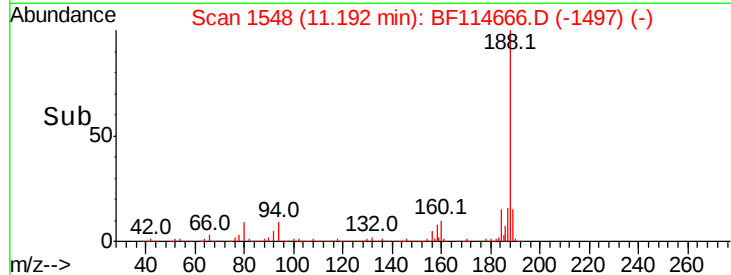
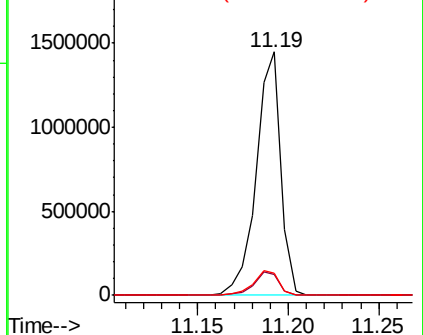
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.00 min
 Lab File: BF114666.D
 Acq: 30 May 2019 18:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 1362323
 Ion Ratio Lower Upper
 188 100
 94 8.8 8.6 13.0
 80 8.9 9.0 13.6#

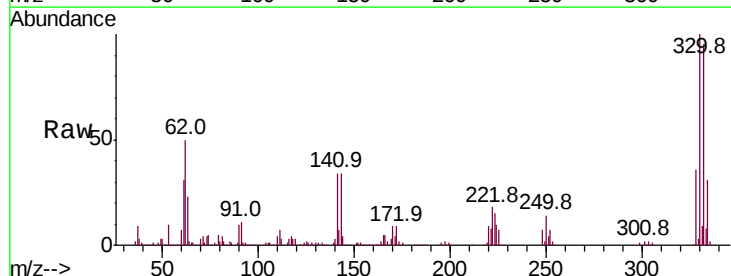


Abundance Ion 188.00 (187.70 to 188.70): E
 2000000 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

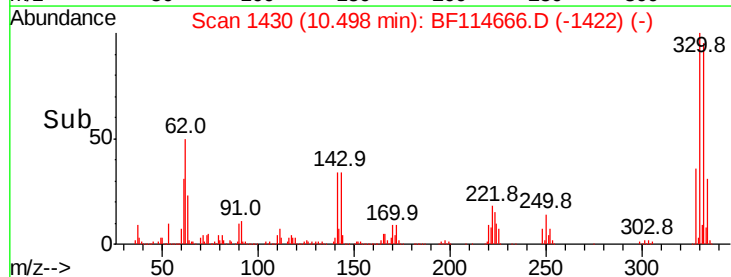
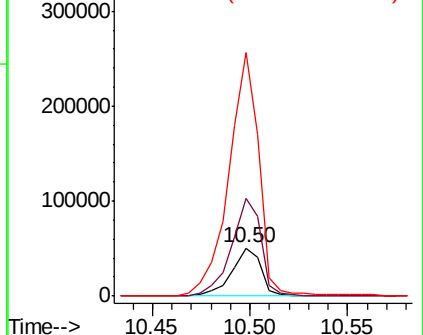


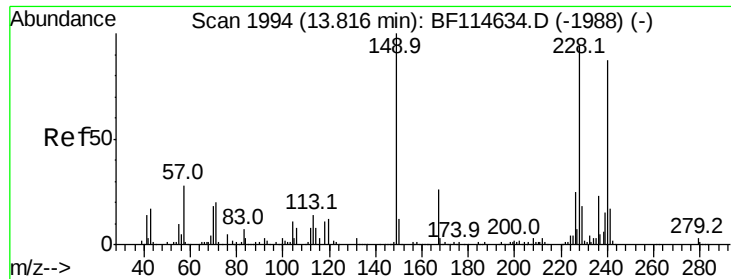
#67
 4-Bromophenyl-phenylether
 Concen: 3.598 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.25 min
 Lab File: BF114666.D
 Acq: 30 May 2019 18:04

Tgt Ion:248 Resp: 52559
 Ion Ratio Lower Upper
 248 100
 250 200.8 78.0 117.0#
 141 503.2 53.8 80.8#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF114666.D

Acq: 30 May 2019 18:04

Instrument :

BNA_F

ClientSampleId :

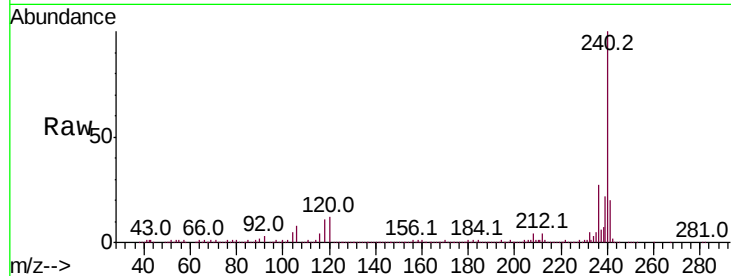
Tot Ion:240 Resp: 971403

Ion Ratio Lower Upper

240 100

120 12.3 11.2 16.8

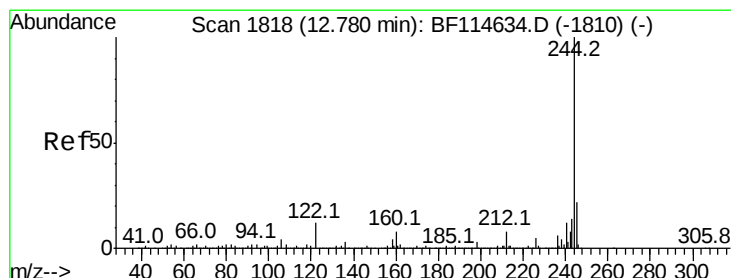
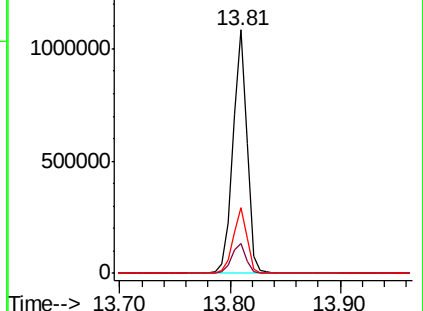
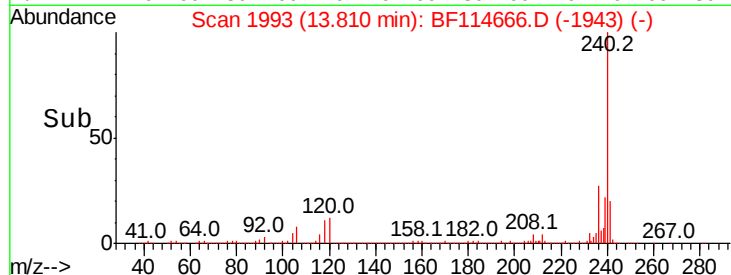
236 26.9 21.2 31.8



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



#79

Terphenyl-d14

Concen: 62.857 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF114666.D

Acq: 30 May 2019 18:04

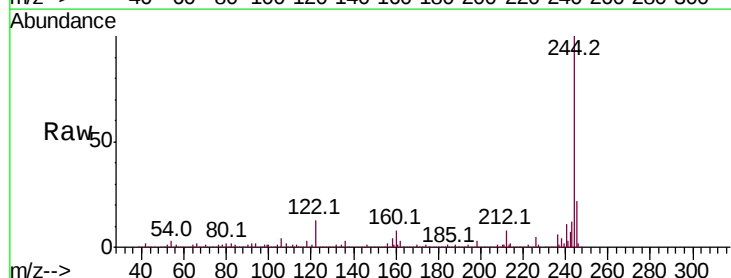
Tgt Ion:244 Resp: 3247572

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

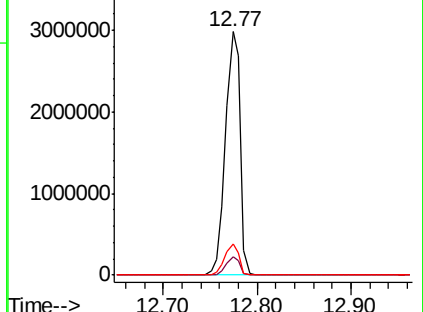
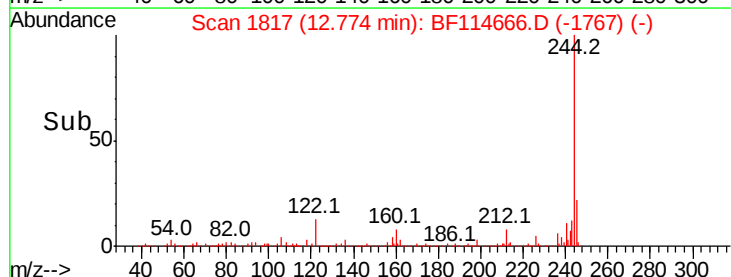
122 13.0 9.8 14.8

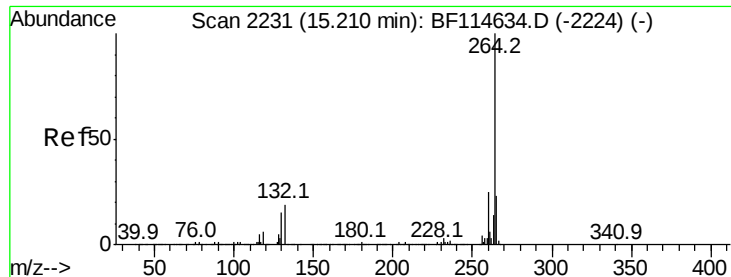


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



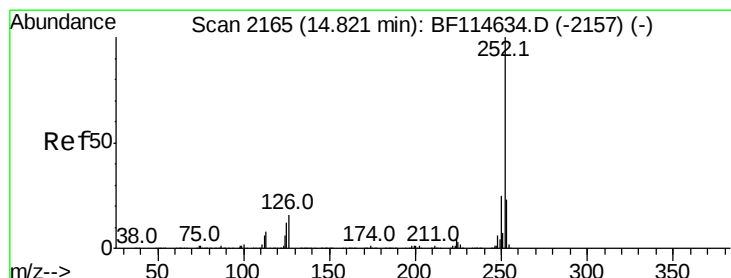
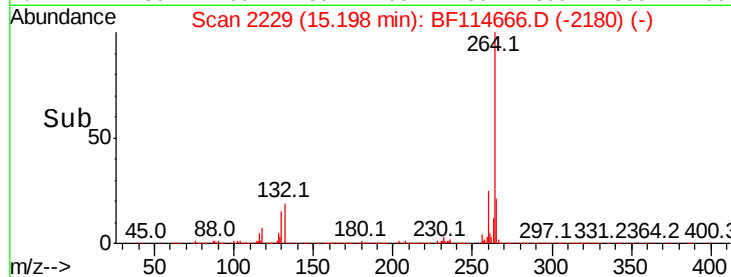
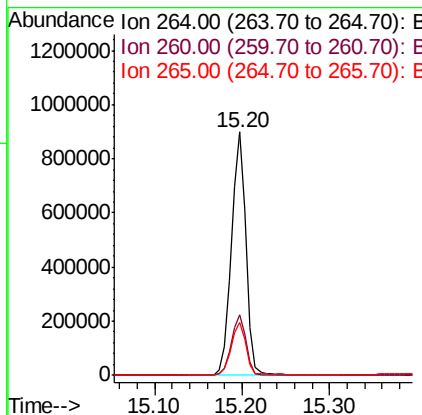
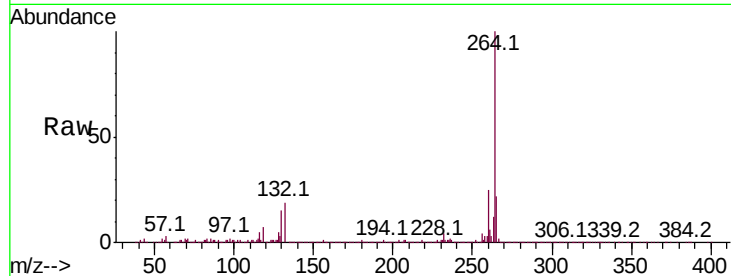


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF114666.D
Acq: 30 May 2019 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 1033301

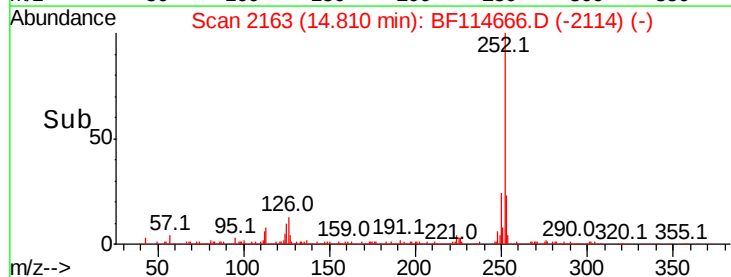
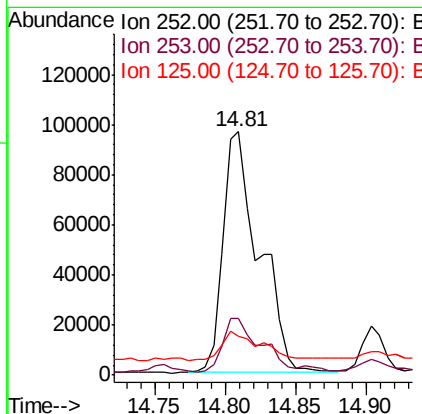
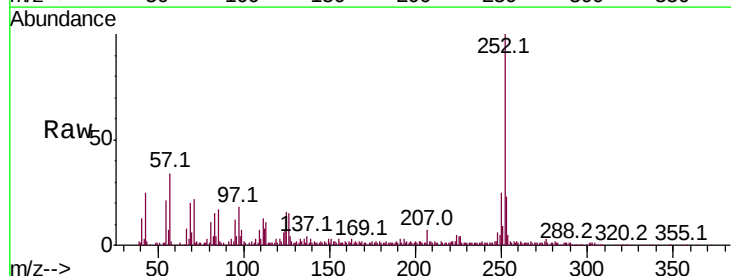
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	21.6	18.1	27.1

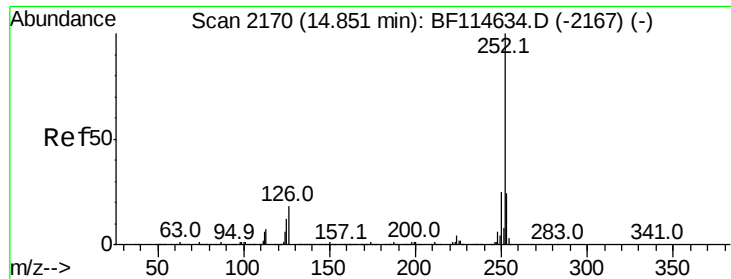


#88
Benzo(b)fluoranthene
Concen: 2.645 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF114666.D
Acq: 30 May 2019 18:04

Tgt Ion:252 Resp: 172141

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.7	28.1
125	16.0	9.4	14.2#

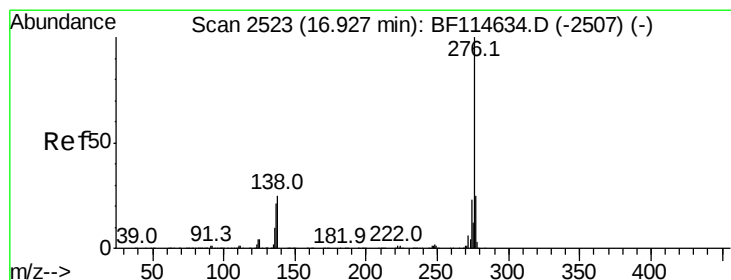
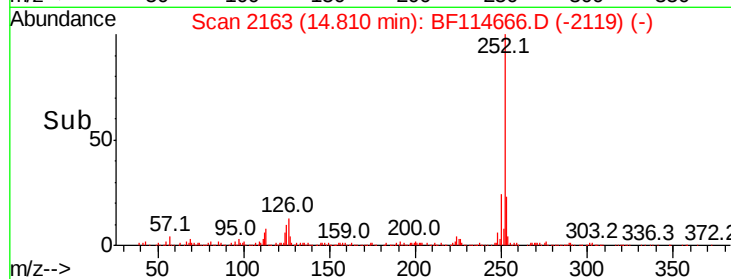
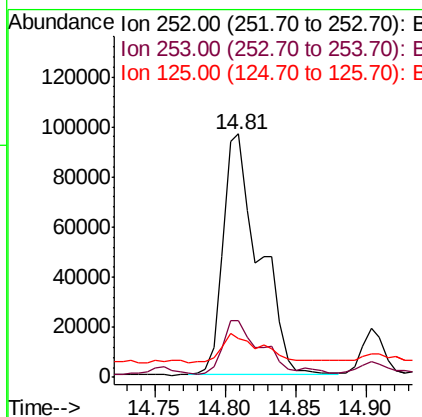
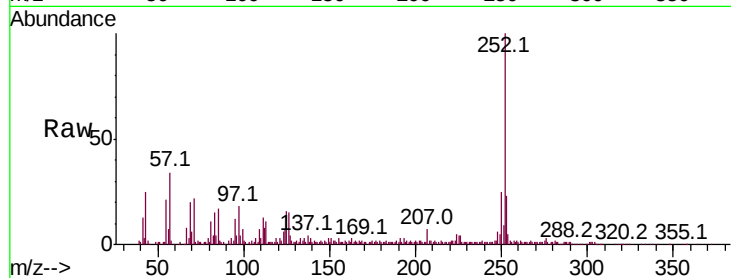




#89
Benzo(k)fluoranthene
Concen: 3.043 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.04 min
Lab File: BF114666.D
Acq: 30 May 2019 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.9	28.3
125	16.0	9.5	14.3



#92
Benzo(g,h,i)perylene
Concen: 2.219 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.02 min
Lab File: BF114666.D
Acq: 30 May 2019 18:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.7	29.5
138	24.8	19.8	29.8

