

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
 Data File : BF116819.D
 Acq On : 4 Sep 2019 16:54
 Operator : HP/JU
 Sample : K4639-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 02:07:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	69503	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	277695	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	137662	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	188633	20.00	ng	0.00
76) Chrysene-d12	14.00	240	139369	20.00	ng	0.00
87) Perylene-d12	15.46	264	122866	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	458328	106.83	ng	0.00
7) Phenol-d6	6.48	99	614407	109.06	ng	0.00
23) Nitrobenzene-d5	7.40	82	360368	74.08	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	98435	106.96	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	558121	68.39	ng	0.00
79) Terphenyl-d14	12.94	244	409119	54.31	ng	0.00

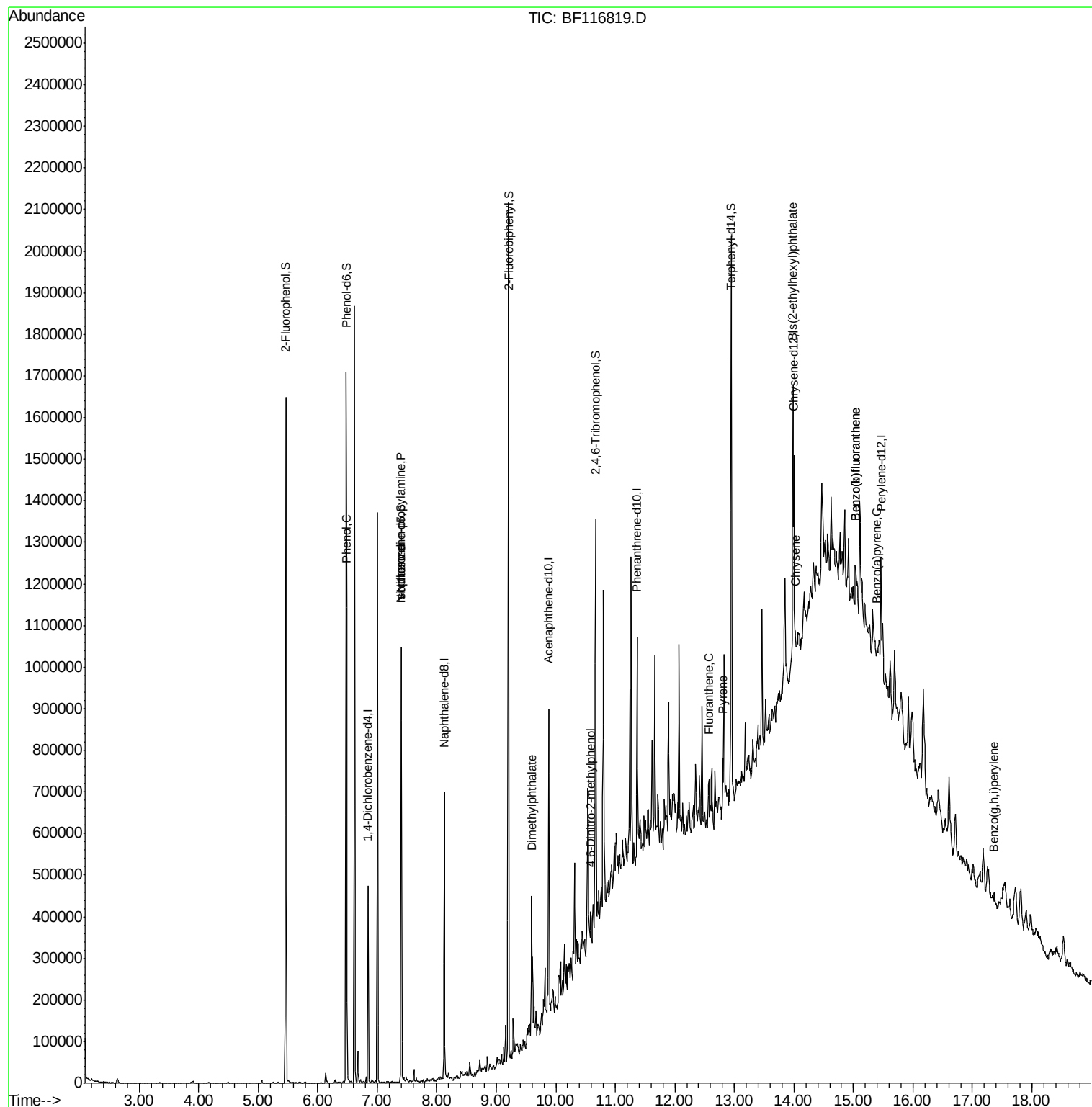
Target Compounds				Qvalue		
10) Phenol	6.49	94	21571	3.458	ng	98
19) n-Nitroso-di-n-propylamine	7.40	70	49157	13.253	ng	# 70
25) Isophorone	7.40	82	360428	36.566	ng	# 66
50) Dimethylphthalate	9.59	163	93793	9.869	ng	98
65) 4,6-Dinitro-2-methylphenol	10.59	198	131	7.610	ng	# 1
75) Fluoranthene	12.57	202	34379	3.331	ng	93
78) Pyrene	12.80	202	48480	3.913	ng	97
83) Chrysene	14.02	228	29253	3.219	ng	# 88
84) Bis(2-ethylhexyl)phthalate	13.98	149	183569	24.683	ng	99
88) Benzo(b)fluoranthene	15.03	252	40052	5.392	ng	# 39
89) Benzo(k)fluoranthene	15.03	252	40052	5.914	ng	# 39
90) Benzo(a)pyrene	15.40	252	13733	2.125	ng	# 1
92) Benzo(a,h,i)perylene	17.36	276	14063	2.438	ng	# 73

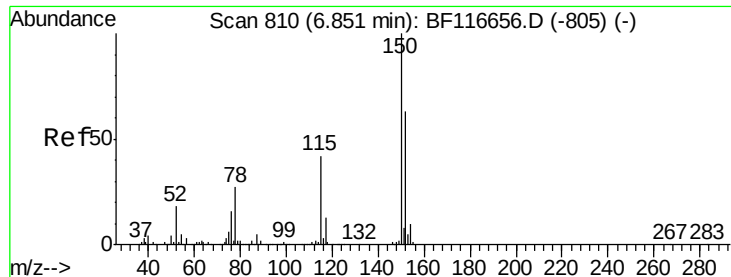
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

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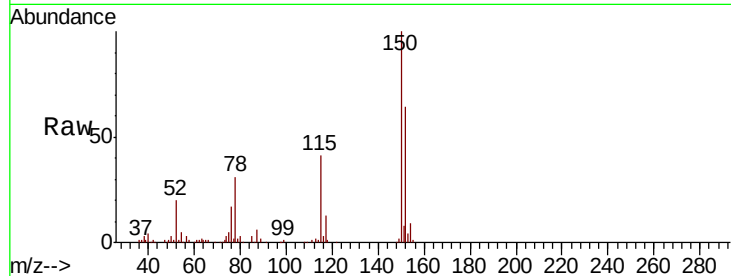


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116819.D
Acq: 4 Sep 2019 16:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.4	186.6
115	64.4	49.9	74.9

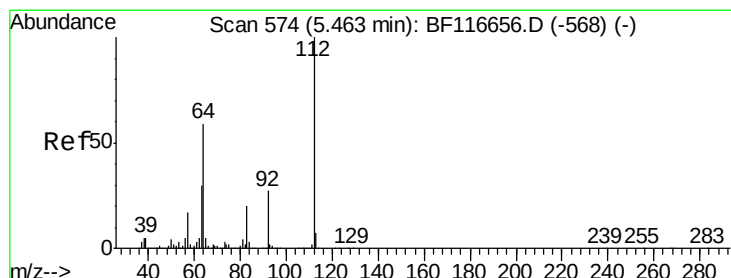
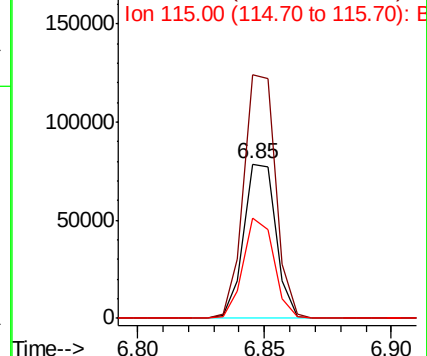
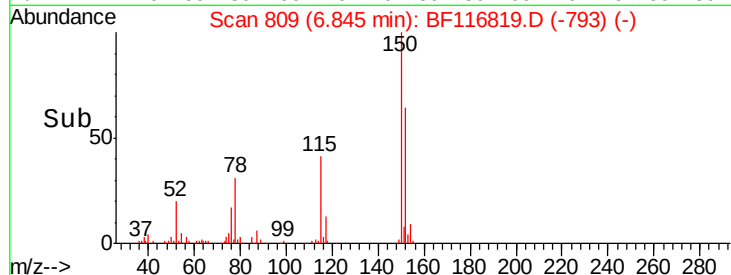


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

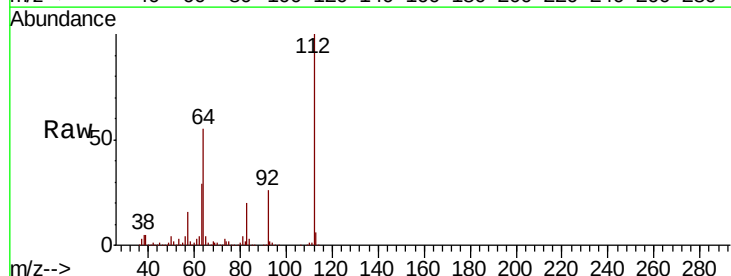
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 106.832 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116819.D
Acq: 4 Sep 2019 16:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.1	70.7
63	29.5	24.9	37.3

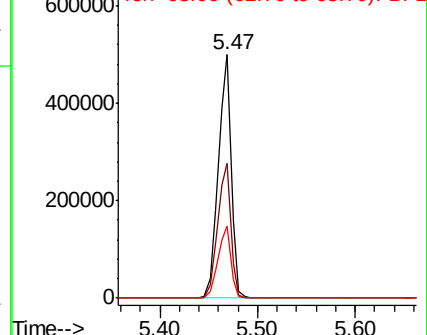
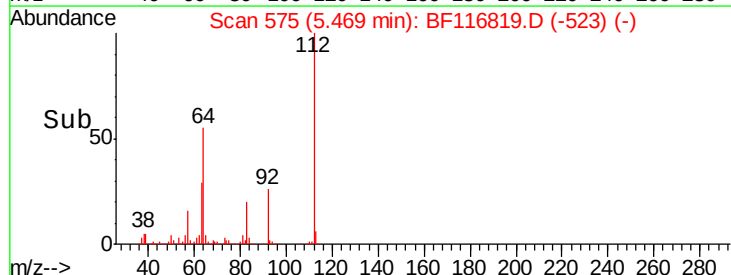


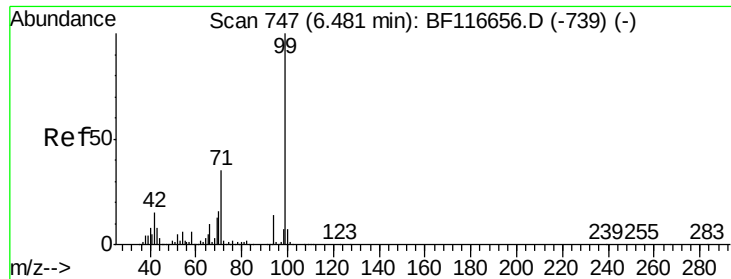
Abundance

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: 109.064 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116819.D

Acq: 4 Sep 2019 16:54

Instrument :

BNA_F

ClientSampleId :

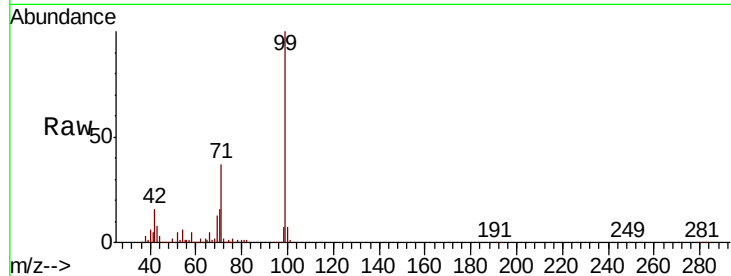
Tot Ion: 99 Resp: 614407

Ion Ratio Lower Upper

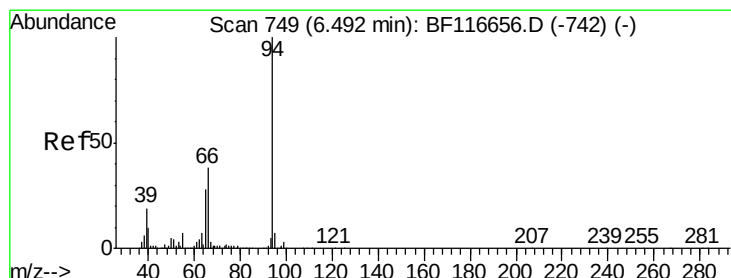
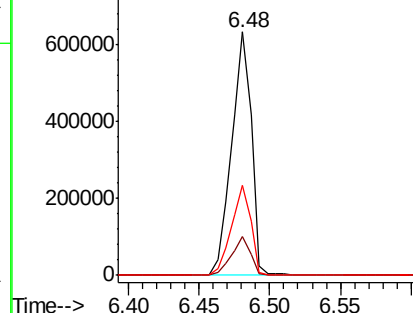
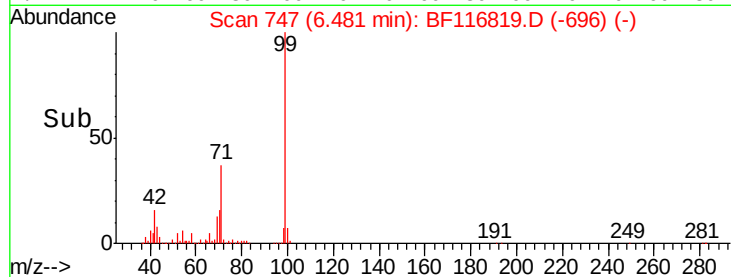
99 100

42 15.7 13.7 20.5

71 37.0 30.8 46.2



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.458 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF116819.D

Acq: 4 Sep 2019 16:54

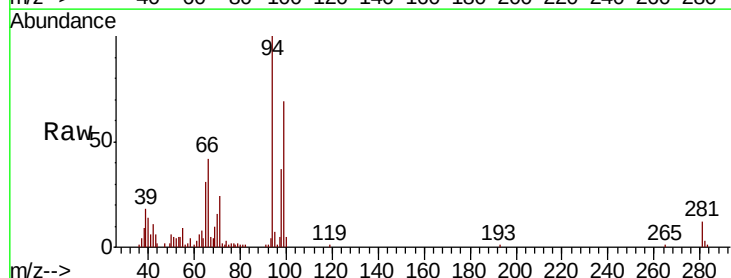
Tgt Ion: 94 Resp: 21571

Ion Ratio Lower Upper

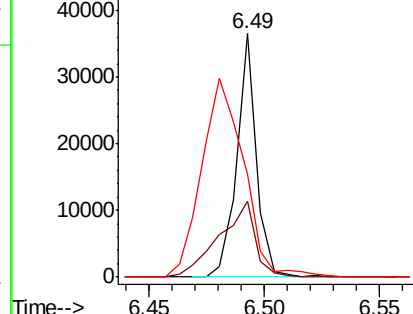
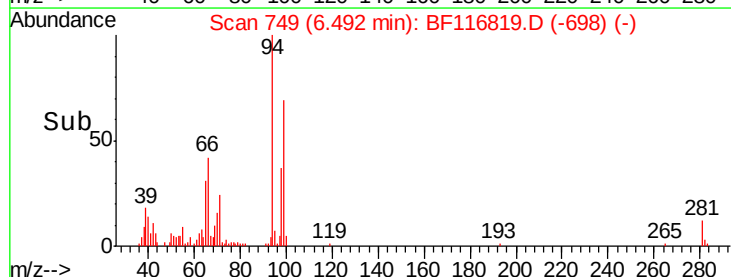
94 100

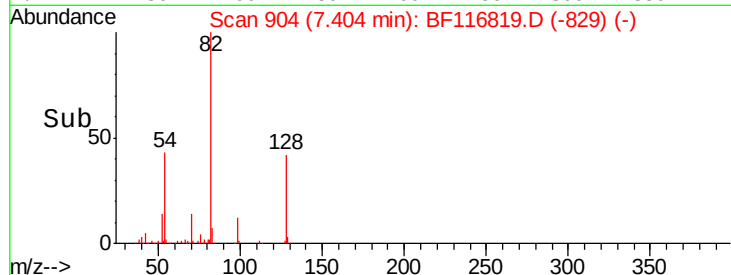
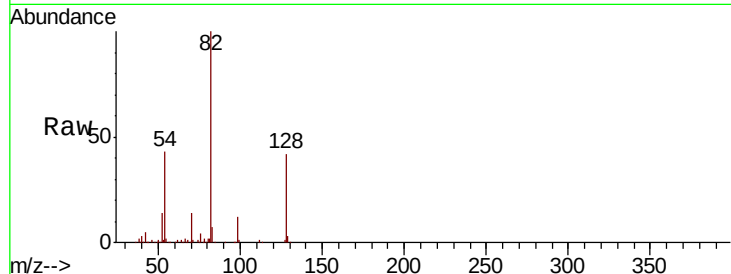
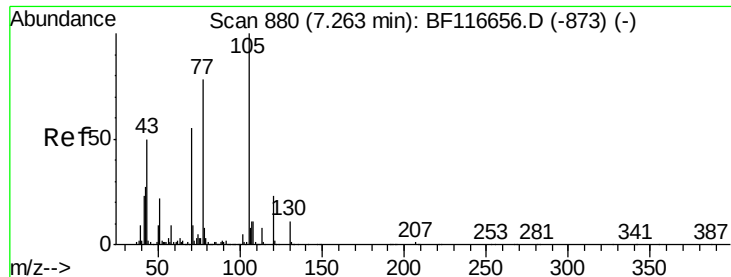
65 31.4 10.8 50.8

66 42.3 21.1 61.1



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

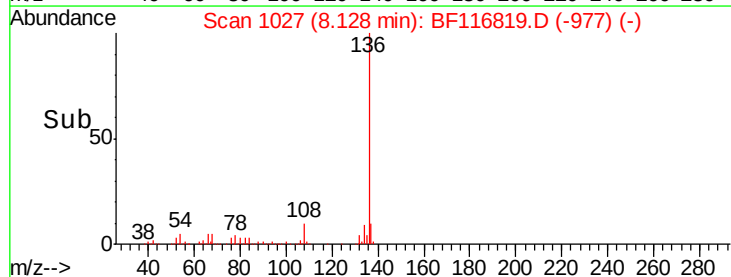
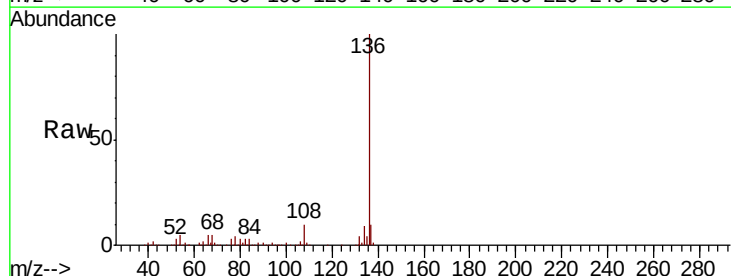
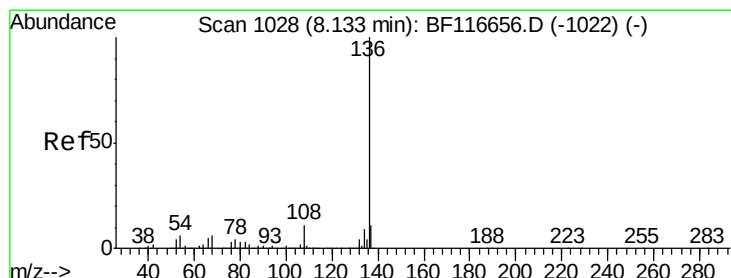
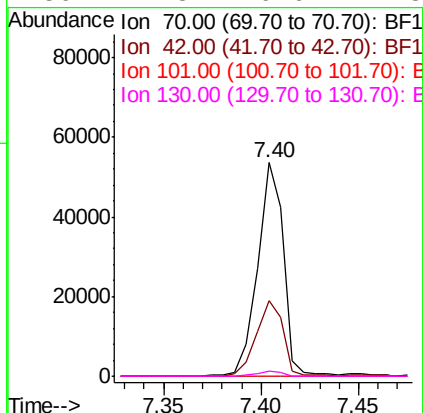




#19
n-Nitroso-di-n-propylamine
Concen: 13.253 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116819.D
Acq: 4 Sep 2019 16:54

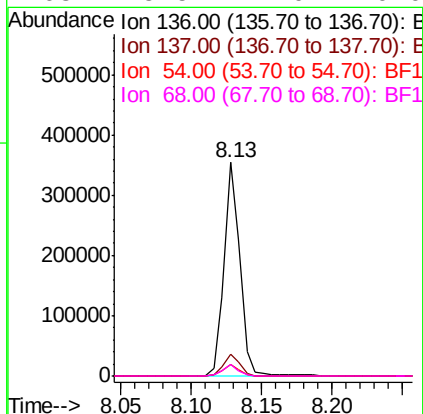
Instrument :
BNA_F
ClientSampleId :

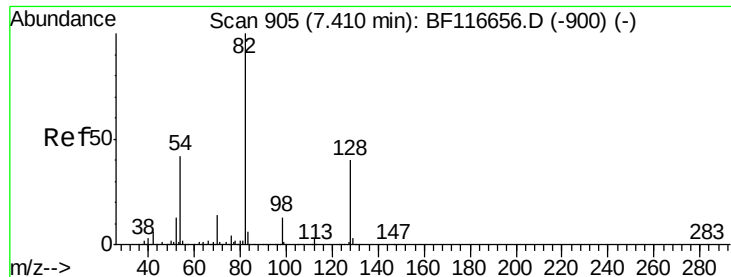
Tot Ion:	70	Resp:	49157
Ion	Ratio	Lower	Upper
70	100		
42	35.4	43.5	65.3#
101	0.0	7.8	11.6#
130	2.3	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116819.D
Acq: 4 Sep 2019 16:54

Tgt Ion:	136	Resp:	277695
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	5.4	4.8	7.2
68	5.5	4.0	6.0

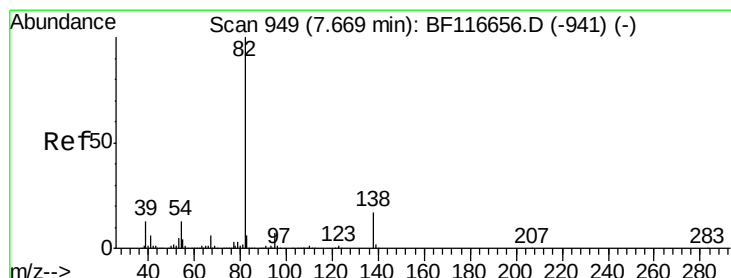
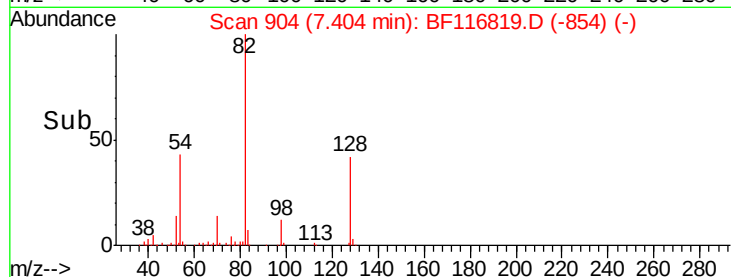
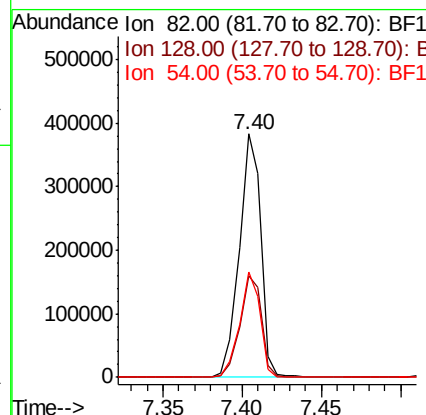
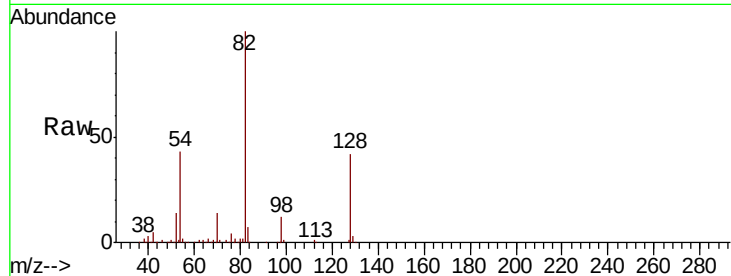




#23
 Nitrobenzene-d5
 Concen: 74.083 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF116819.D
 Acq: 4 Sep 2019 16:54

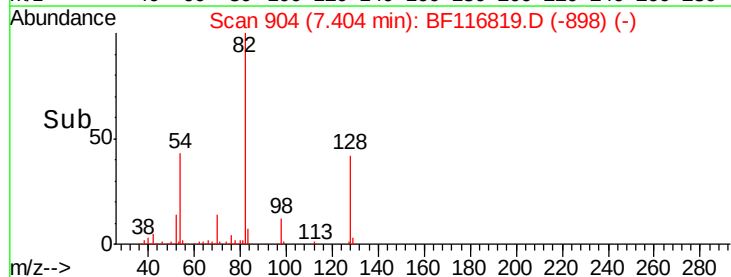
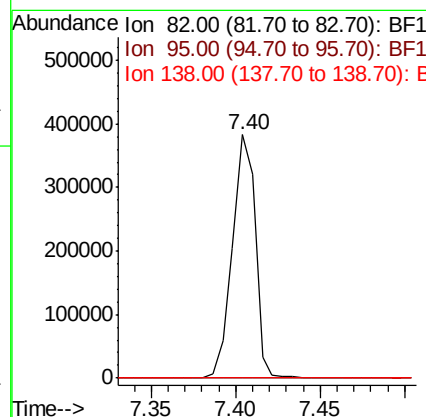
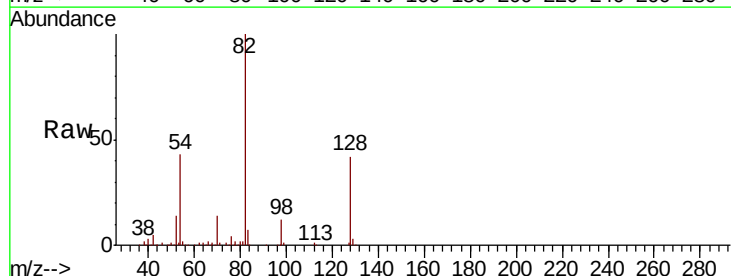
Instrument :
 BNA_F
 ClientSampleId :

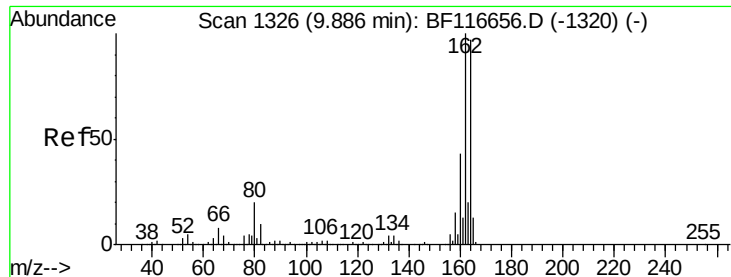
Tot Ion	82	Resp	360368
Ion Ratio	Lower	Upper	
82	100		
128	41.7	32.8	49.2
54	43.4	36.9	55.3



#25
 Isophorone
 Concen: 36.566 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.26 min
 Lab File: BF116819.D
 Acq: 4 Sep 2019 16:54

Tgt Ion	82	Resp	360428
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

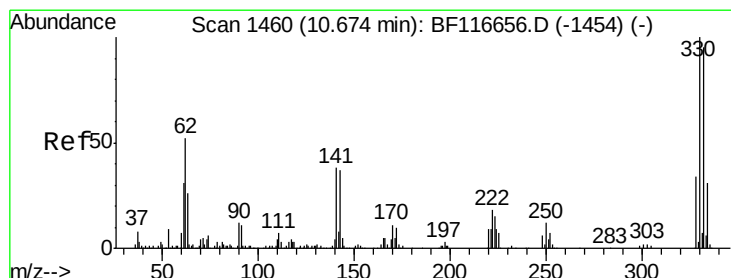
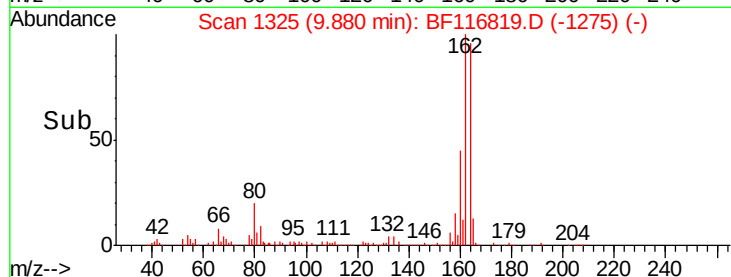
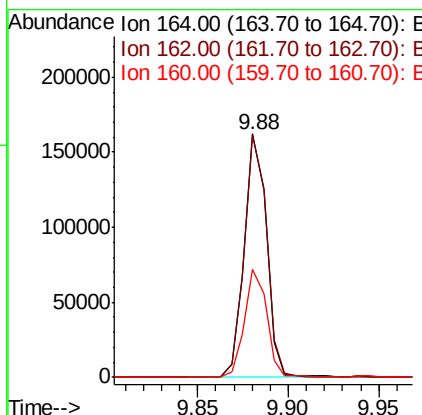
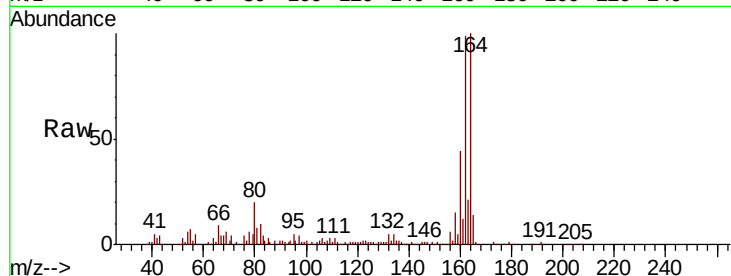




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116819.D
Acq: 4 Sep 2019 16:54

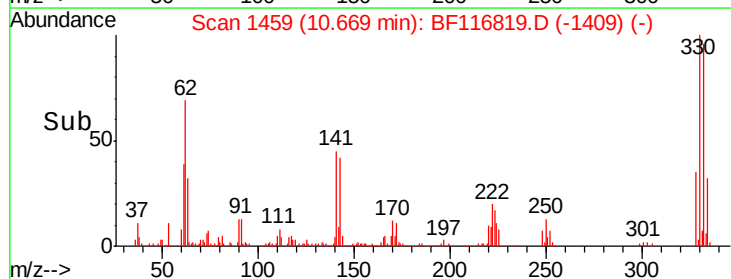
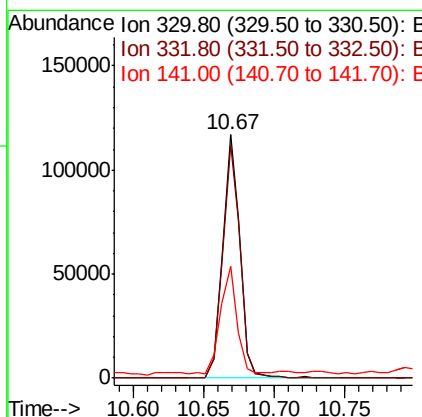
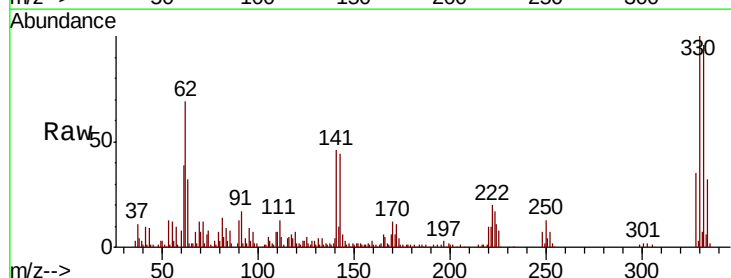
Instrument :
BNA_F
ClientSampleId :

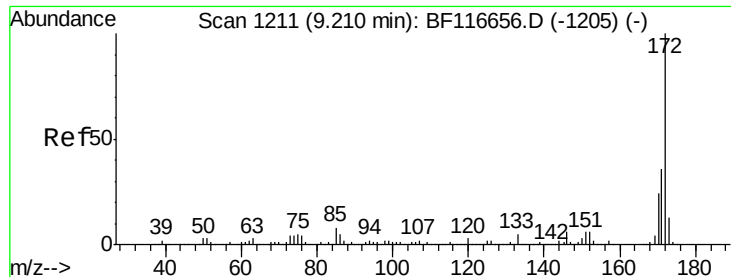
Tot Ion:164 Resp: 137662
Ion Ratio Lower Upper
164 100
162 99.3 81.4 122.0
160 44.2 35.4 53.2



#42
2,4,6-Tribromophenol
Concen: 106.960 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116819.D
Acq: 4 Sep 2019 16:54

Tgt Ion:330 Resp: 98435
Ion Ratio Lower Upper
330 100
332 96.6 76.9 115.3
141 42.0 31.4 47.2

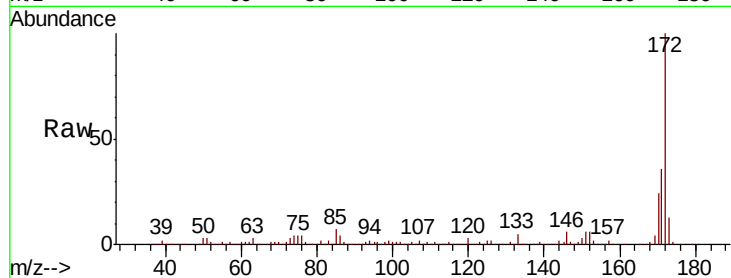




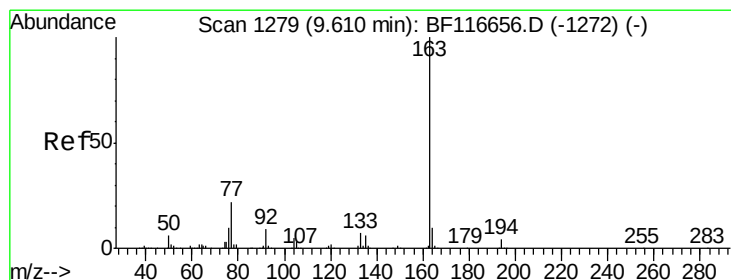
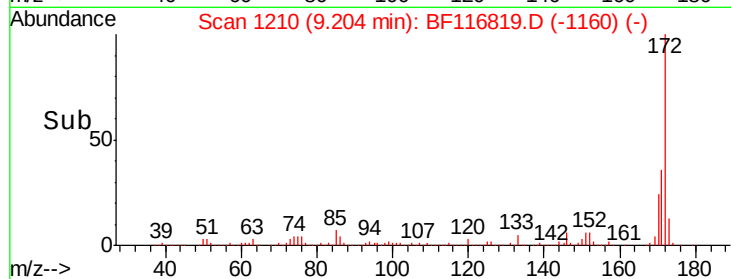
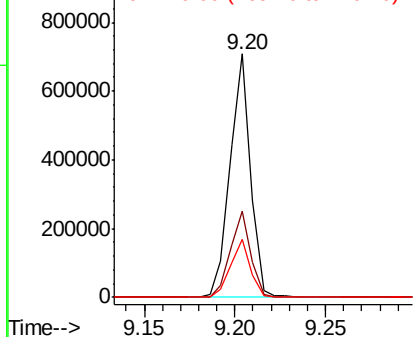
#45
2-Fluorobiphenyl
Concen: 68.392 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF116819.D
Acq: 4 Sep 2019 16:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.8	41.6
170	23.8	18.9	28.3

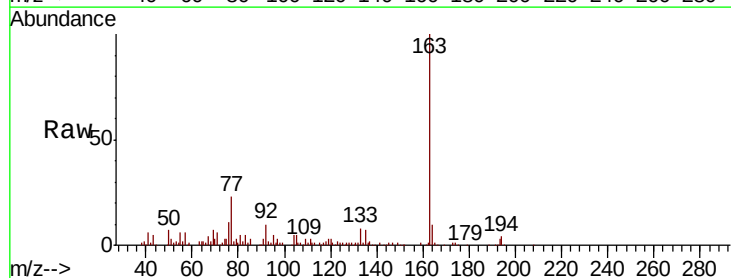


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

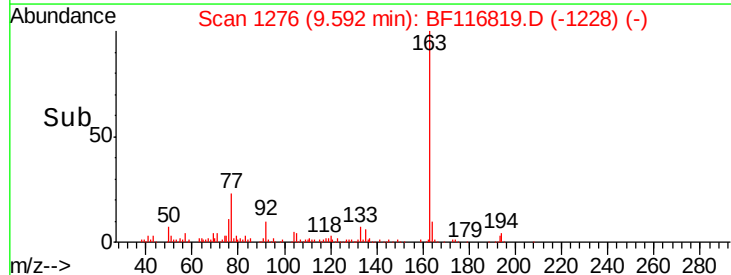
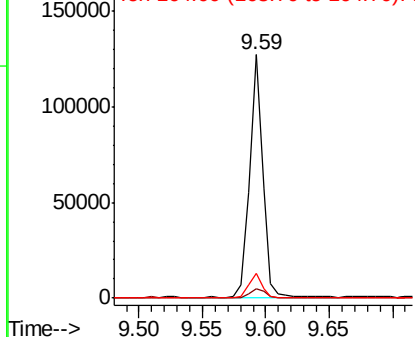


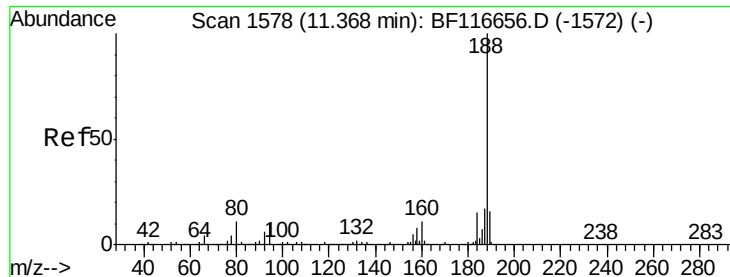
#50
Dimethylphthalate
Concen: 9.869 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116819.D
Acq: 4 Sep 2019 16:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.8	4.2
164	10.0	8.6	12.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.00 min

Lab File: BF116819.D

Acq: 4 Sep 2019 16:54

Instrument :

BNA_F

ClientSampleId :

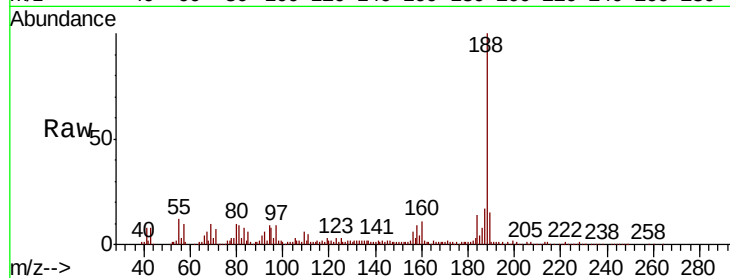
Tot Ion:188 Resp: 188633

Ion Ratio Lower Upper

188 100

94 8.6 7.3 10.9

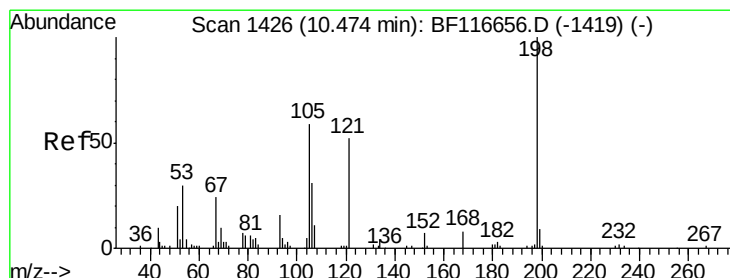
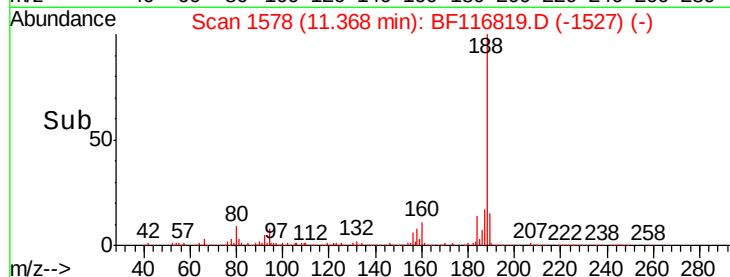
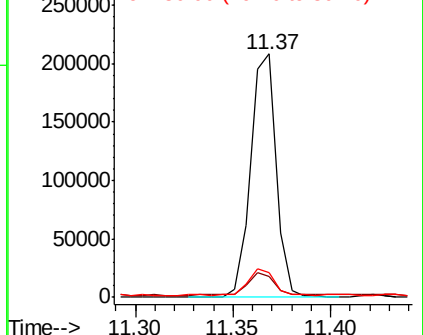
80 10.3 8.4 12.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.610 ng

RT: 10.59 min Scan# 1445

Delta R.T. 0.11 min

Lab File: BF116819.D

Acq: 4 Sep 2019 16:54

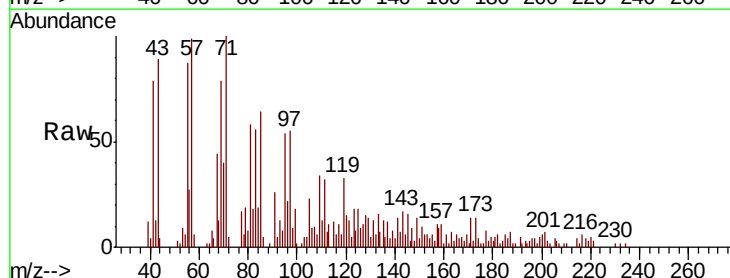
Tgt Ion:198 Resp: 131

Ion Ratio Lower Upper

198 100

51 136.7 18.4 58.4#

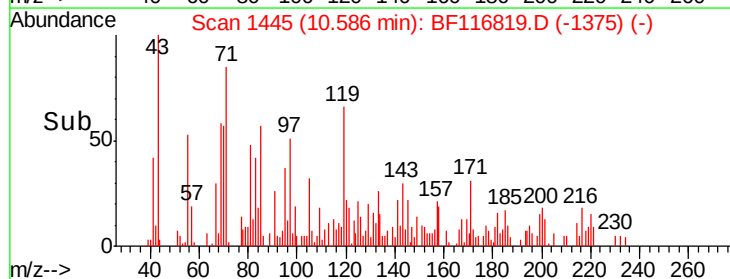
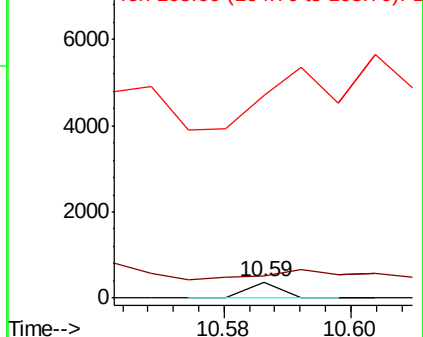
105 1266.3 22.9 62.9#

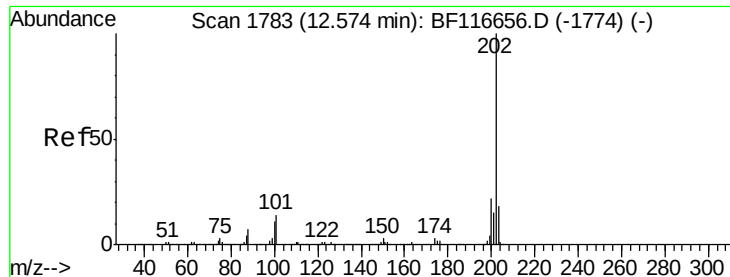


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#75

Fluoranthene

Concen: 3.331 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116819.D

Acq: 4 Sep 2019 16:54

Instrument :

BNA_F

ClientSampled :

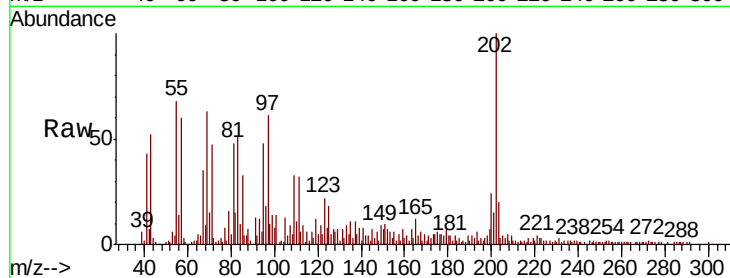
Tot Ion:202 Resp: 34379

Ion Ratio Lower Upper

202 100

101 14.5 0.0 31.3

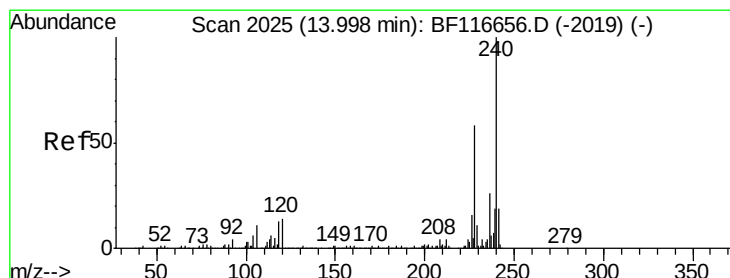
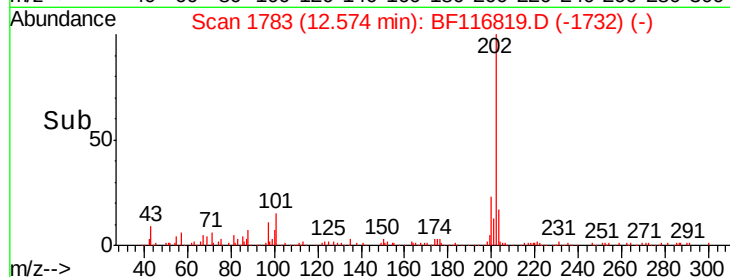
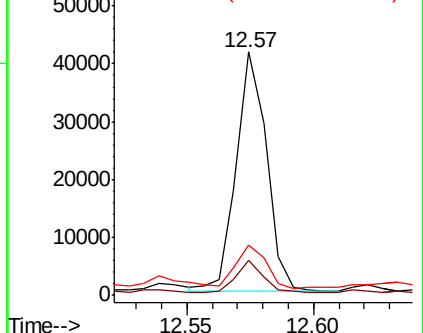
203 20.5 0.0 37.6



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF116819.D

Acq: 4 Sep 2019 16:54

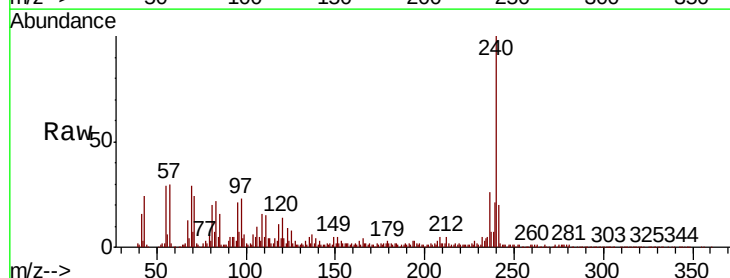
Tgt Ion:240 Resp: 139369

Ion Ratio Lower Upper

240 100

120 13.7 9.1 13.7

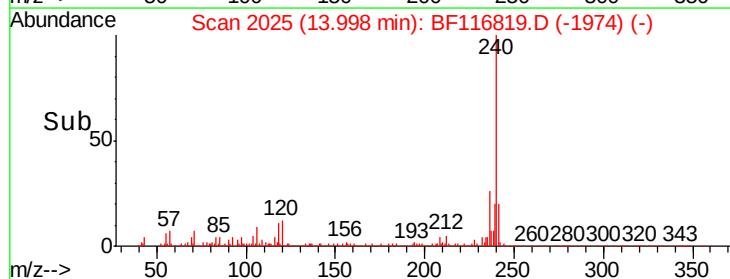
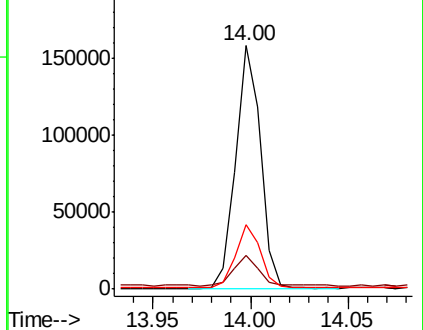
236 26.4 21.1 31.7

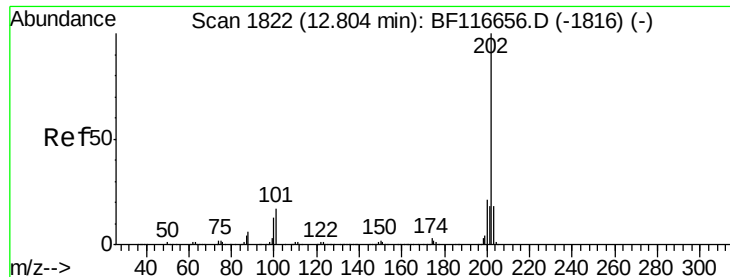


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

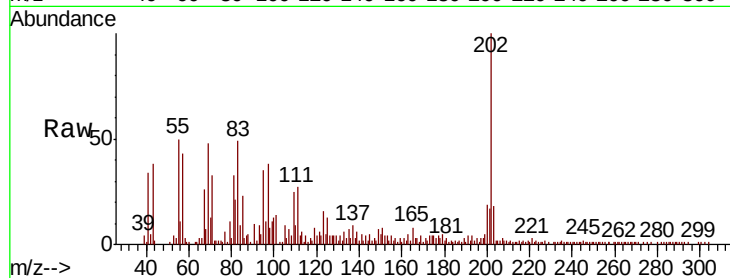




#78
Pvrene
Concen: 3.913 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116819.D
Acq: 4 Sep 2019 16:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	18.7	16.5	24.7
203	17.8	13.7	20.5

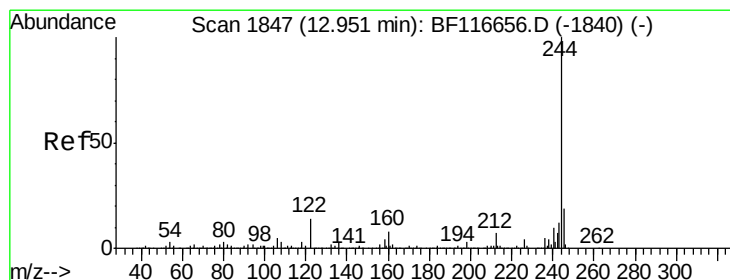
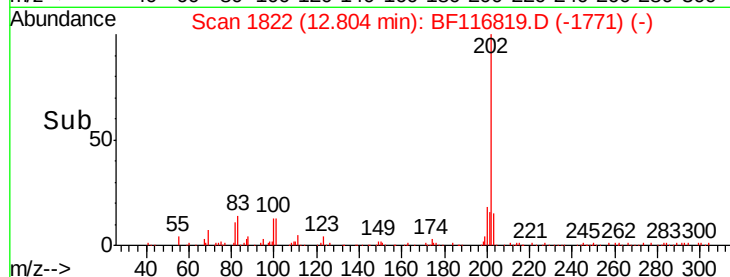
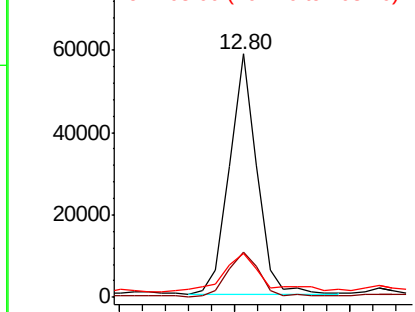


Abundance

Ion 202.00 (201.70 to 202.70): E

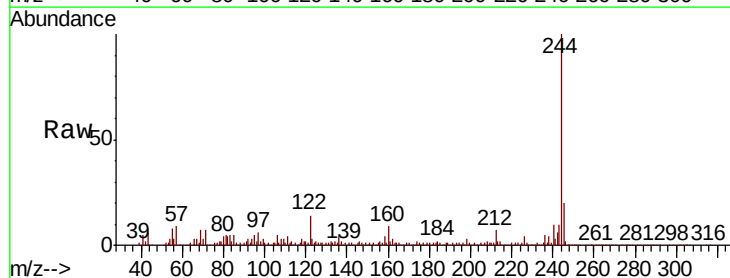
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 54.305 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116819.D
Acq: 4 Sep 2019 16:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	13.9	10.2	15.4

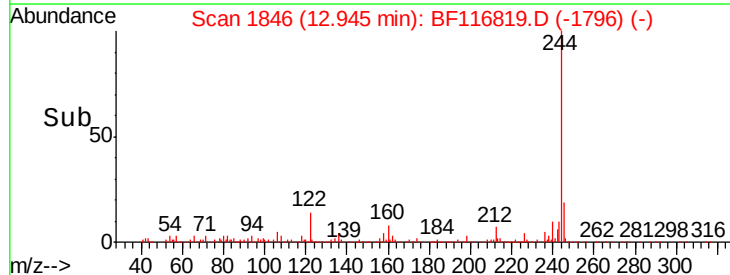
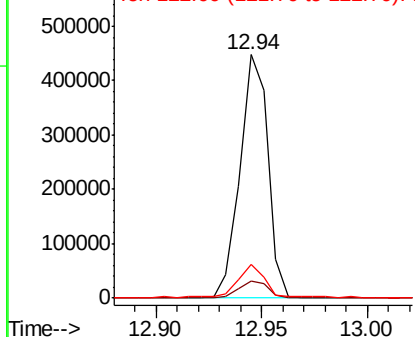


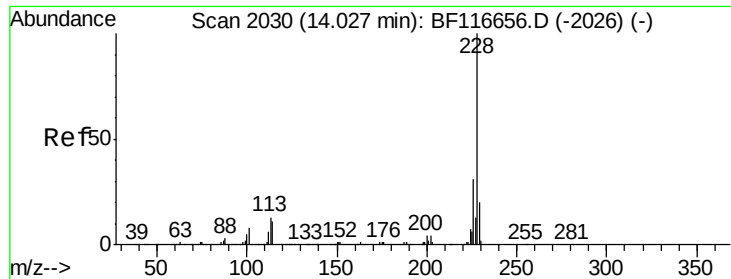
Abundance

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





#83

Chrysene

Concen: 3.219 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF116819.D

Acq: 4 Sep 2019 16:54

Instrument :

BNA_F

ClientSampled :

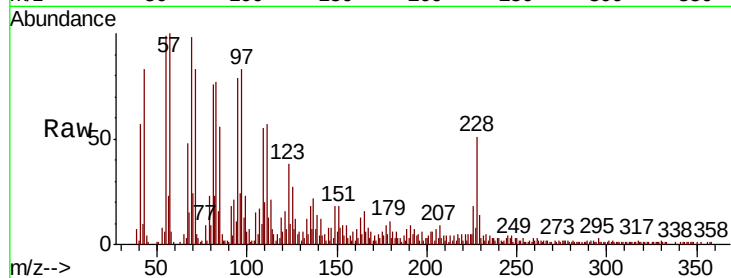
Tot Ion:228 Resp: 29253

Ion Ratio Lower Upper

228 100

226 34.9 24.0 36.0

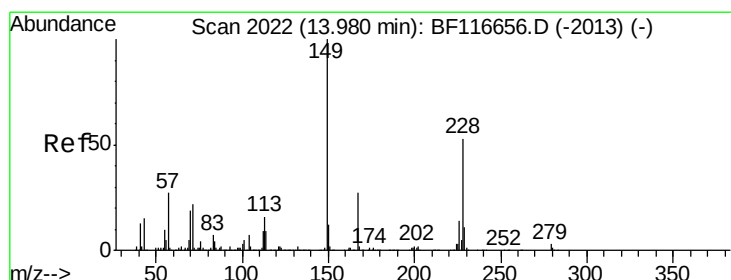
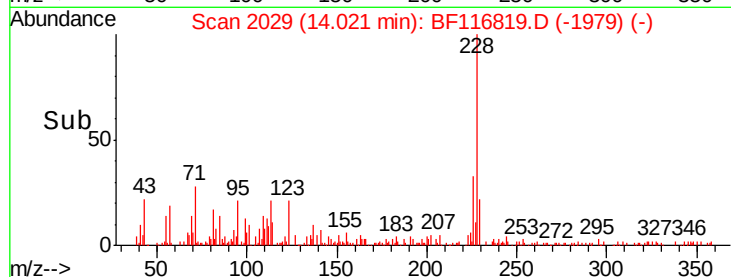
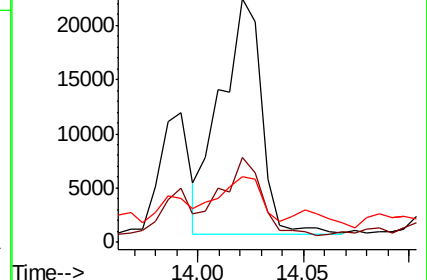
229 26.9 15.4 23.0#



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 24.683 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF116819.D

Acq: 4 Sep 2019 16:54

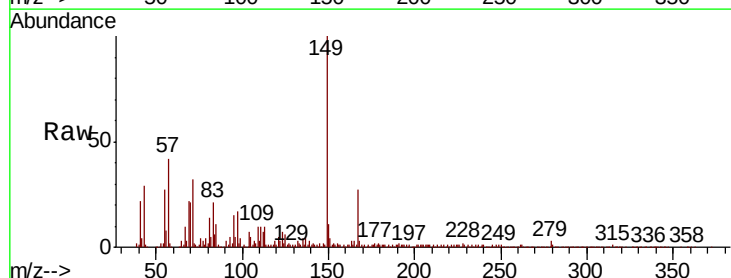
Tgt Ion:149 Resp: 183569

Ion Ratio Lower Upper

149 100

167 27.0 21.0 31.4

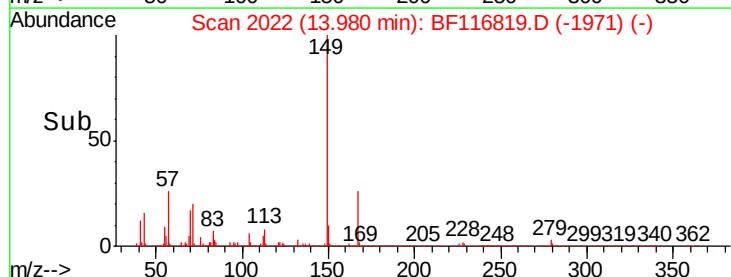
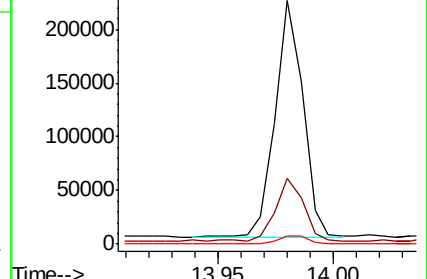
279 3.4 2.8 4.2

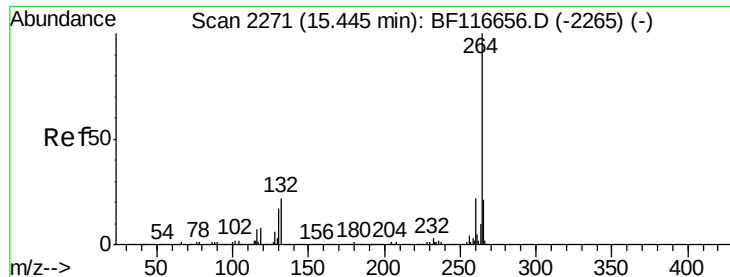


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

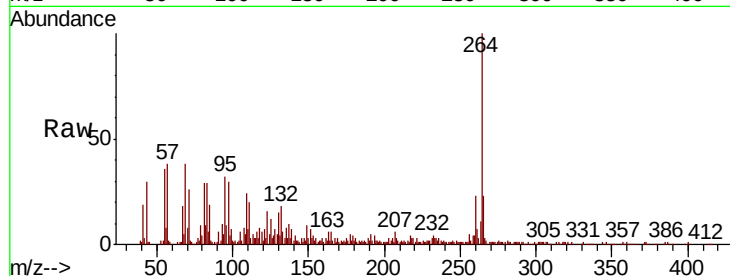




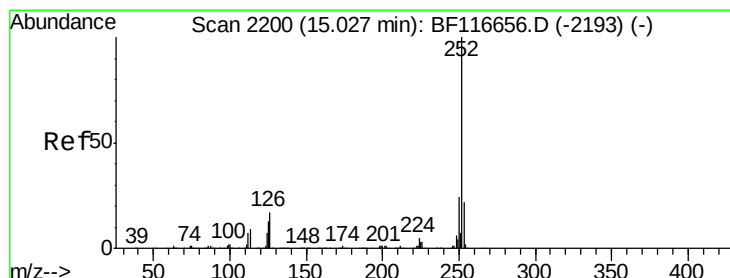
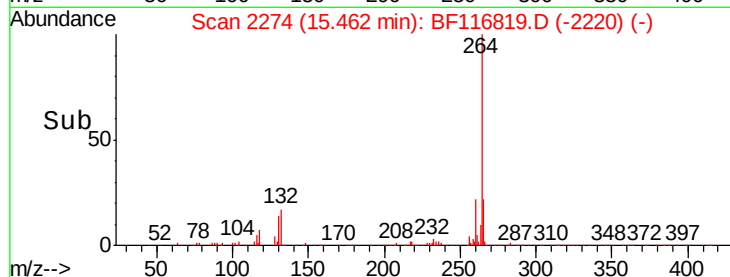
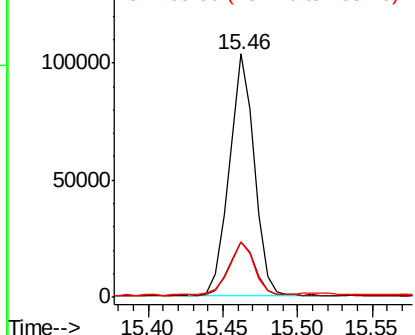
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.02 min
Lab File: BF116819.D
Acq: 4 Sep 2019 16:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 122866
Ion Ratio Lower Upper
264 100
260 23.0 18.3 27.5
265 22.7 16.5 24.7

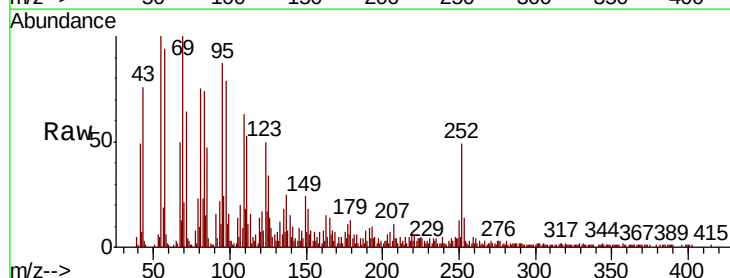


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

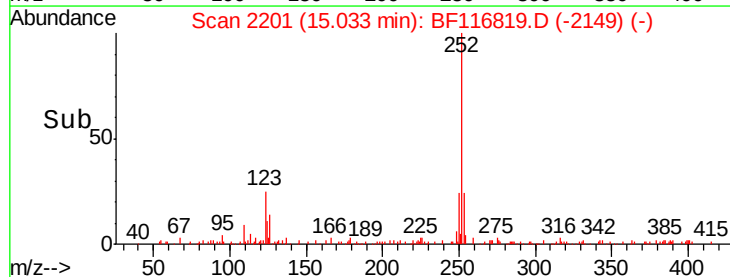
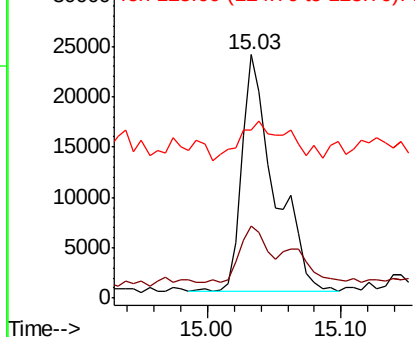


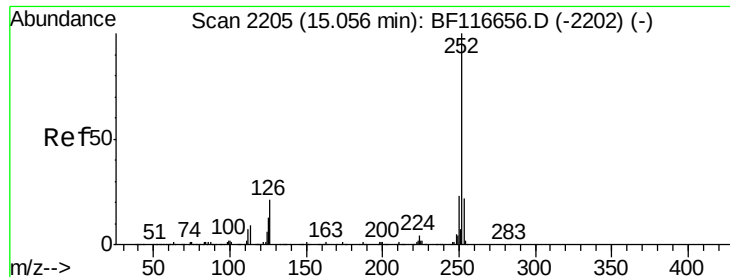
#88
Benzo(b)fluoranthene
Concen: 5.392 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF116819.D
Acq: 4 Sep 2019 16:54

Tgt Ion:252 Resp: 40052
Ion Ratio Lower Upper
252 100
253 29.5 17.7 26.5#
125 69.1 8.2 12.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

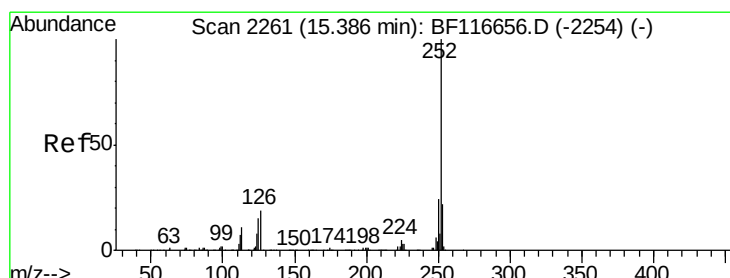
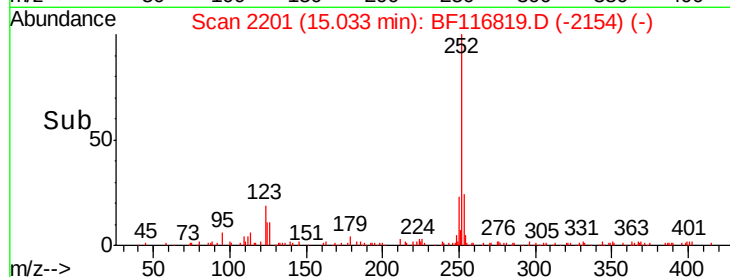
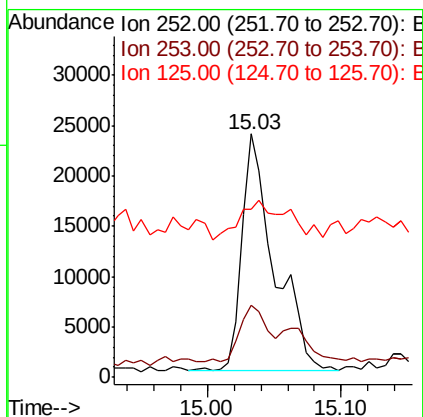
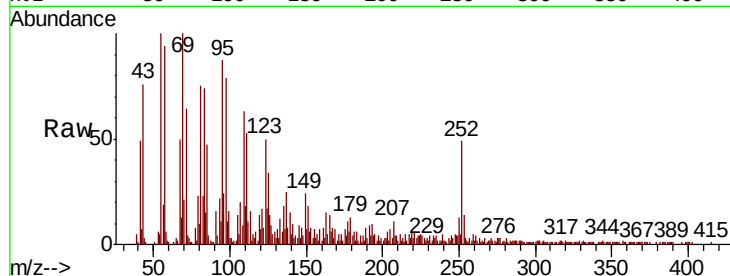




#89
Benzo(k)fluoranthene
Concen: 5.914 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF116819.D
Acq: 4 Sep 2019 16:54

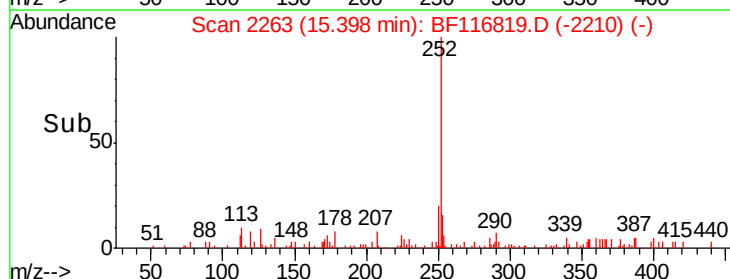
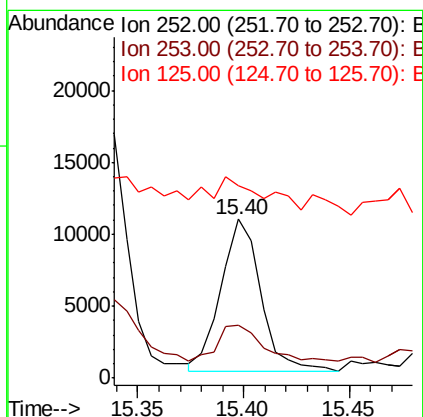
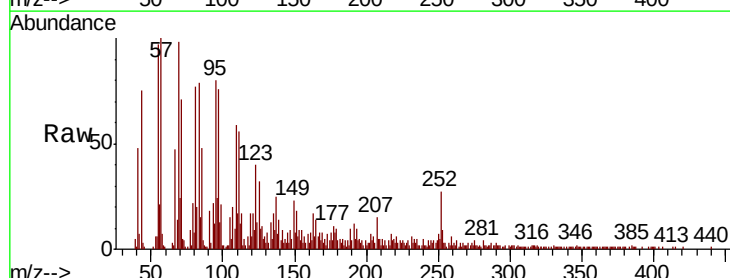
Instrument :
BNA_F
ClientSampleId :

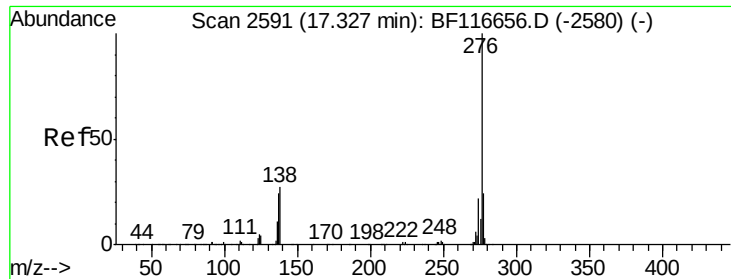
Tot Ion:252 Resp: 40052
Ion Ratio Lower Upper
252 100
253 29.5 17.7 26.5#
125 69.1 8.6 13.0#



#90
Benzo(a)pyrene
Concen: 2.125 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF116819.D
Acq: 4 Sep 2019 16:54

Tgt Ion:252 Resp: 13733
Ion Ratio Lower Upper
252 100
253 33.1 18.1 27.1#
125 121.0 9.8 14.8#





#92

Benzo(a,h,i)perylene

Concen: 2.438 ng

RT: 17.36 min Scan# 2596

Delta R.T. 0.03 min

Lab File: BF116819.D

Acq: 4 Sep 2019 16:54

Instrument :

BNA_F

ClientSampleId :

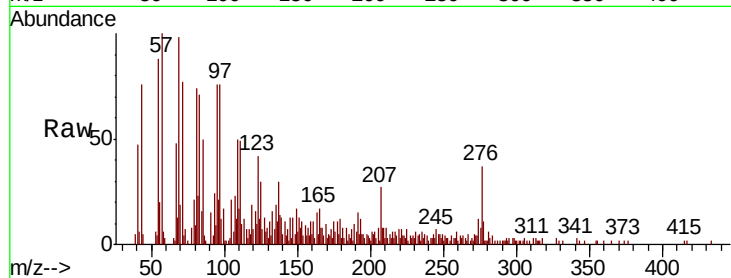
Tot Ion: 276 Resp: 14063

Ion Ratio Lower Upper

276 100

277 30.3 18.5 27.7#

138 38.8 16.2 24.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

