

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116624.D
 Acq On : 28 Aug 2019 19:34
 Operator : HP/JU
 Sample : K4568-14
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 29 01:05:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 13:34:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	92571	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	430158	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	226250	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	374638	20.00	ng	0.00
76) Chrysene-d12	14.00	240	268462	20.00	ng	0.00
87) Perylene-d12	15.46	264	236003	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	758458	141.52	ng	0.00
7) Phenol-d6	6.49	99	953934	131.29	ng	0.00
23) Nitrobenzene-d5	7.42	82	595624	79.23	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	290903	135.11	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1227510	90.29	ng	0.00
79) Terphenyl-d14	12.96	244	1215269	73.62	ng	0.00

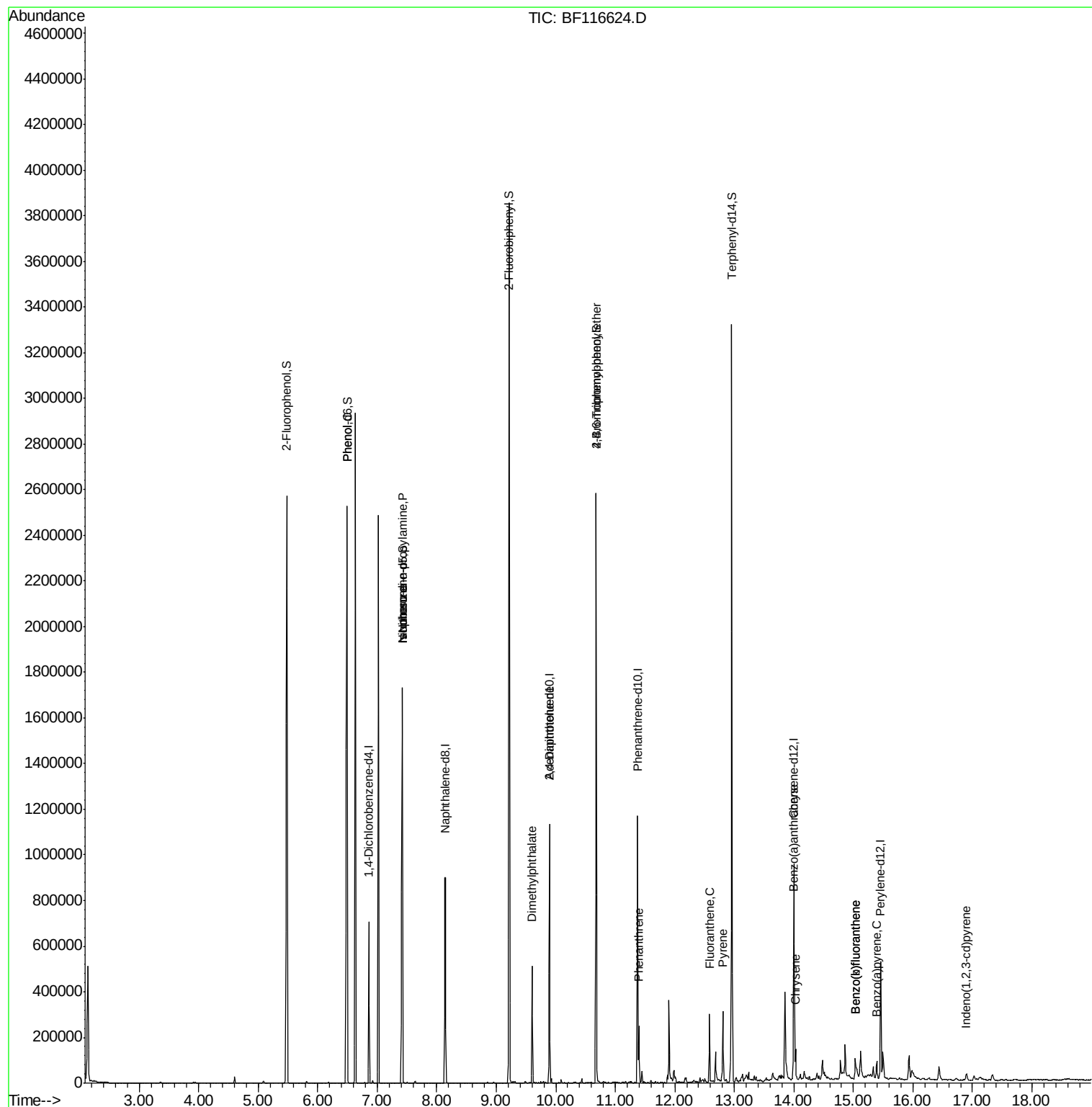
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	1549	Below Cal		# 1
10) Phenol	6.50	94	25041	3.142	ng	84
19) n-Nitroso-di-n-propylamine	7.42	70	79436	17.191	ng	# 79
25) Isophorone	7.42	82	593120	43.340	ng	# 65
50) Dimethylphthalate	9.60	163	182293	11.985	ng	100
57) 2,4-Dinitrotoluene	9.89	165	28928	6.536	ng	# 26
67) 4-Bromophenyl-phenylether	10.68	248	19284	4.853	ng	# 1
71) Phenanthrene	11.40	178	83004	4.125	ng	99
75) Fluoranthene	12.58	202	109643	6.075	ng	98
78) Pyrene	12.81	202	113056	4.580	ng	99
81) Benzo(a)anthracene	13.99	228	50779	2.837	ng	97
83) Chrysene	14.03	228	46610	2.660	ng	98
86) Indeno(1,2,3-cd)pyrene	16.90	276	21604	5.341	ng	96
88) Benzo(b)fluoranthene	15.03	252	65532	4.522	ng	98
89) Benzo(k)fluoranthene	15.03	252	65532	4.757	ng	97
90) Benzo(a)pyrene	15.39	252	33804	2.613	ng	97

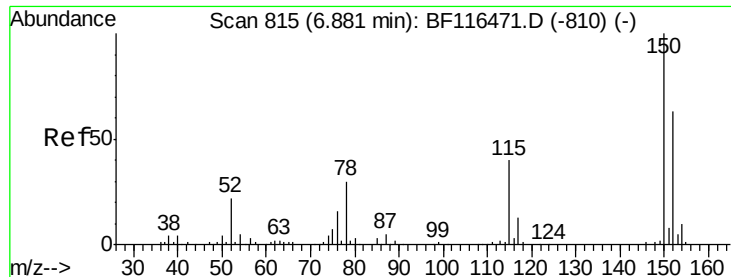
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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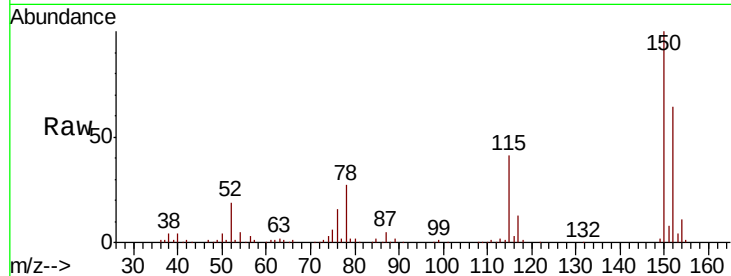


#1

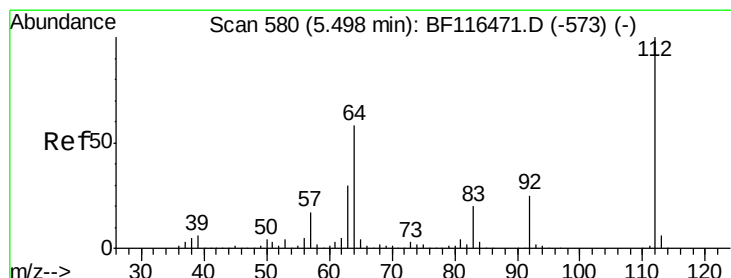
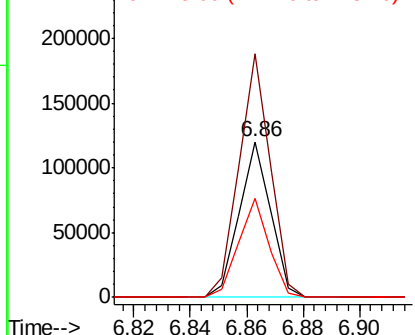
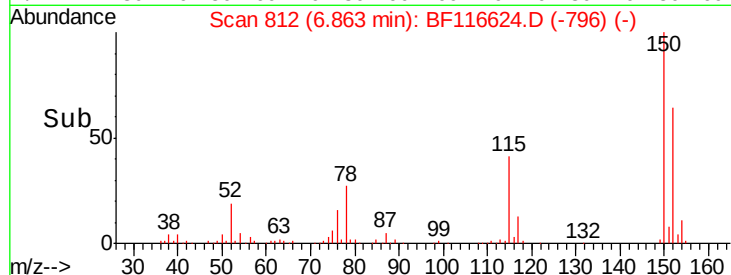
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF116624.D
 Acq: 28 Aug 2019 19:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 92571
 Ion Ratio Lower Upper
 152 100
 150 156.5 123.4 185.2
 115 63.6 48.2 72.2



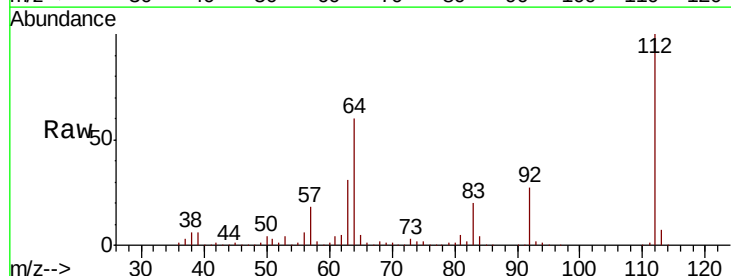
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



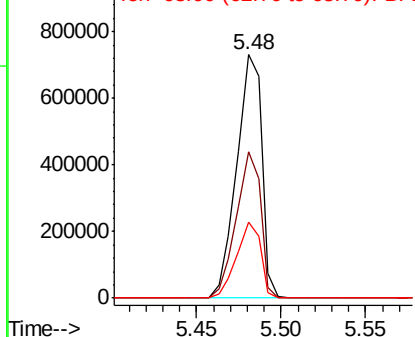
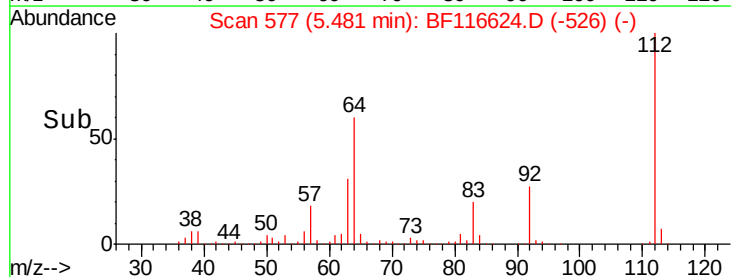
#5

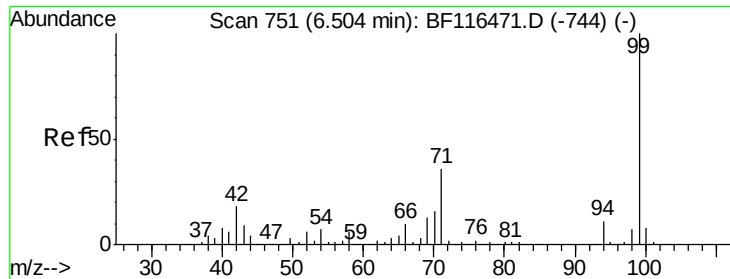
2-Fluorophenol
 Concen: 141.516 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: BF116624.D
 Acq: 28 Aug 2019 19:34

Tgt Ion:112 Resp: 758458
 Ion Ratio Lower Upper
 112 100
 64 60.0 48.0 72.0
 63 31.3 24.6 36.8



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: 131.285 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF116624.D

Acq: 28 Aug 2019 19:34

Instrument :

BNA_F

ClientSampleId :

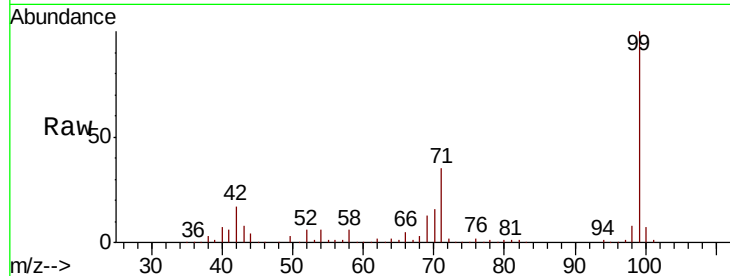
Tot Ion: 99 Resp: 953934

Ion Ratio Lower Upper

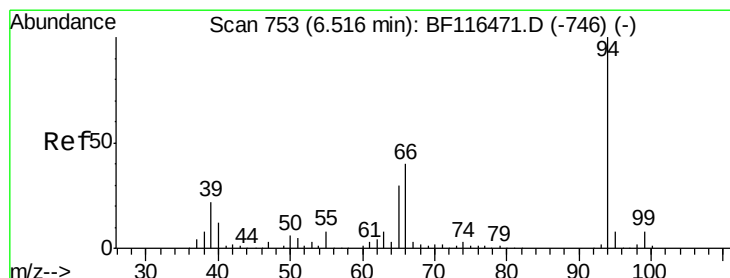
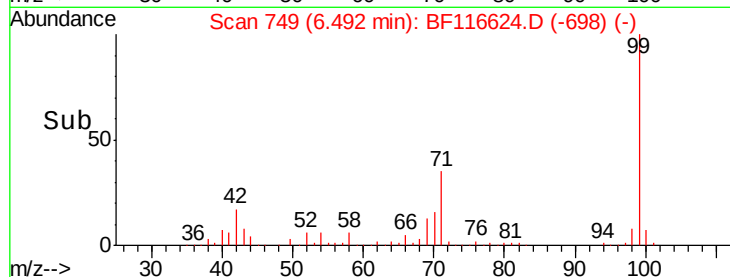
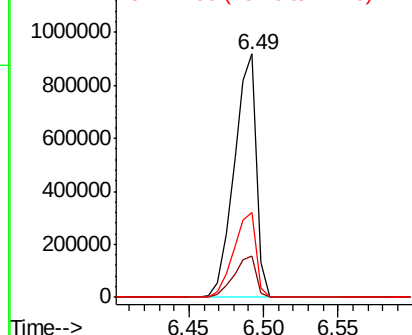
99 100

42 16.8 13.2 19.8

71 35.1 27.4 41.2



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: 3.142 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF116624.D

Acq: 28 Aug 2019 19:34

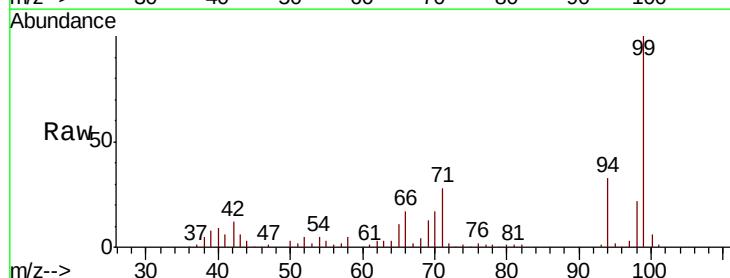
Tgt Ion: 94 Resp: 25041

Ion Ratio Lower Upper

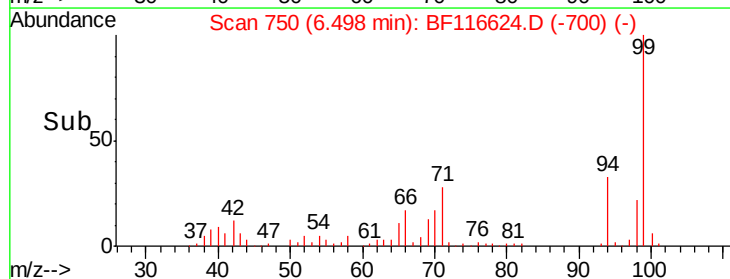
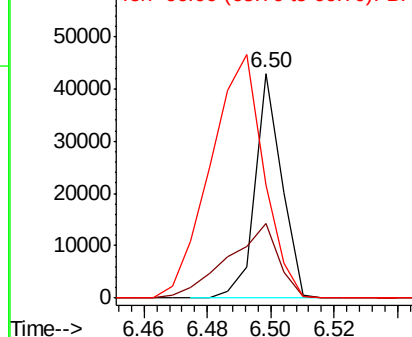
94 100

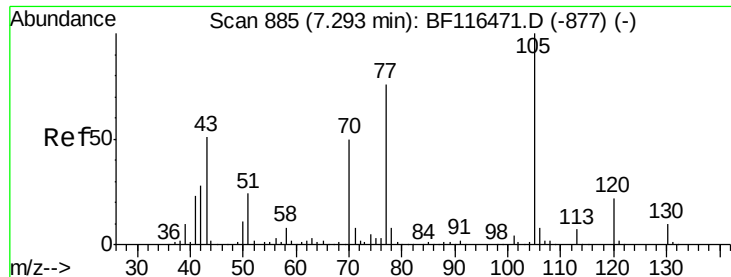
65 33.5 8.6 48.6

66 50.5 18.0 58.0



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

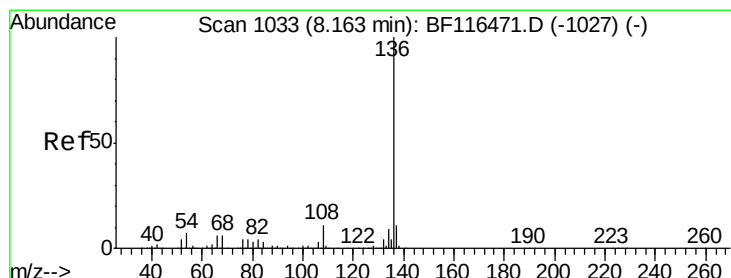
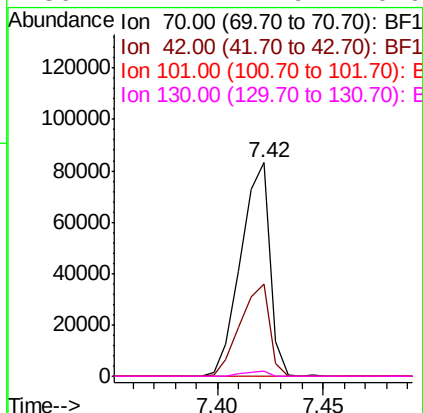
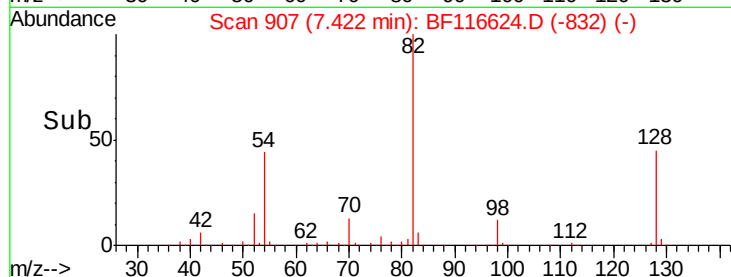
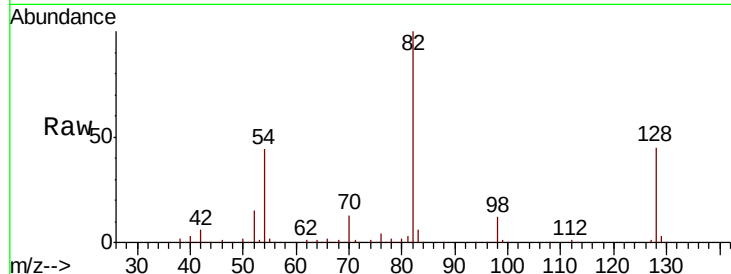




#19
n-Nitroso-di-n-propylamine
Concen: 17.191 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.14 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

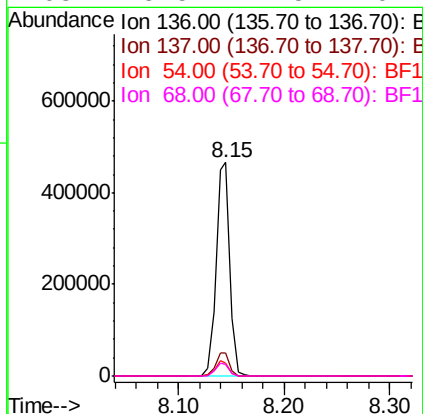
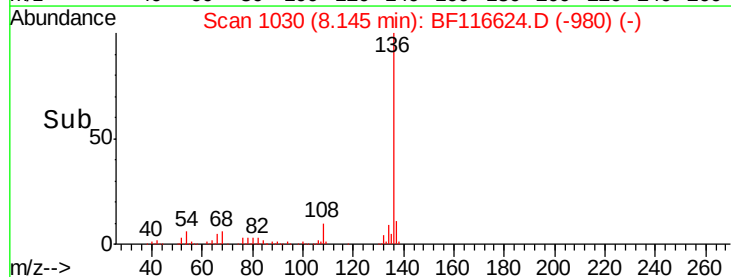
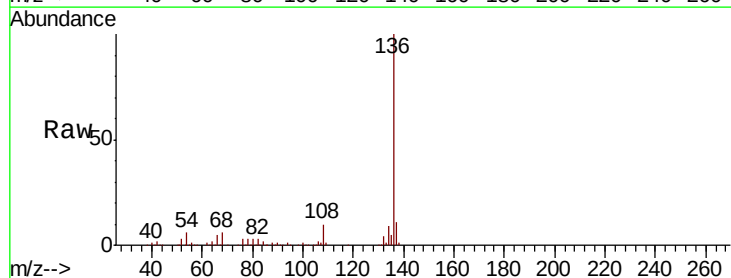
Instrument :
BNA_F
ClientSampleId :

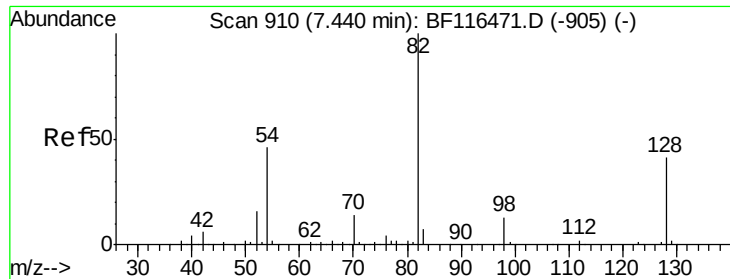
Tot Ion: 70 Resp: 79436
Ion Ratio Lower Upper
70 100
42 43.4 41.2 61.8
101 0.0 7.7 11.5#
130 2.2 17.9 26.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Tgt Ion:136 Resp: 430158
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 5.8 5.0 7.4
68 5.5 4.5 6.7

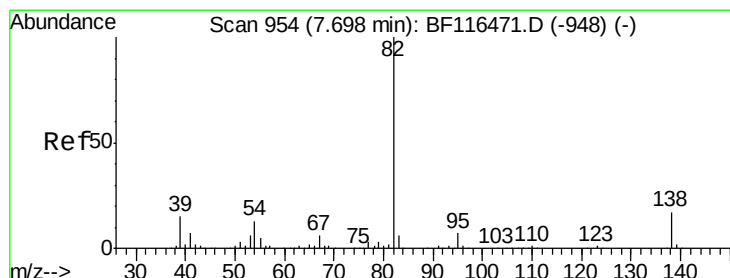
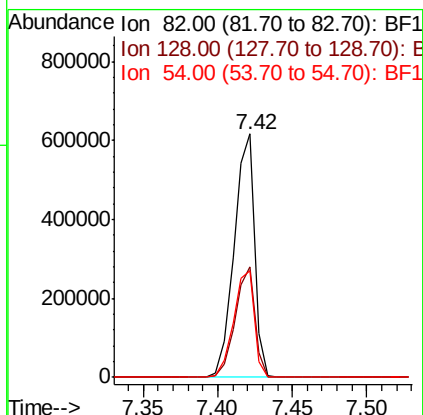
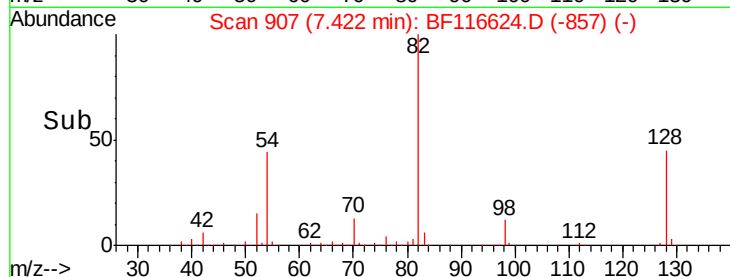
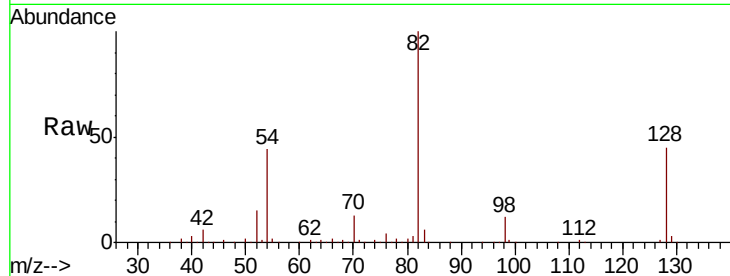




#23
 Nitrobenzene-d5
 Concen: 79.230 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF116624.D
 Acq: 28 Aug 2019 19:34

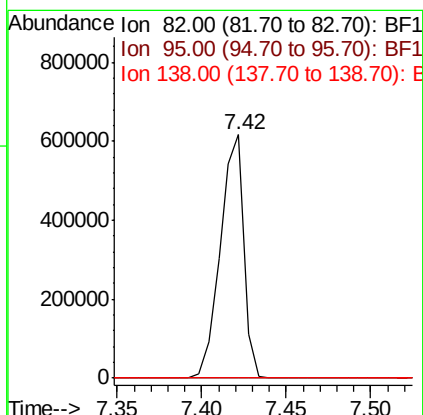
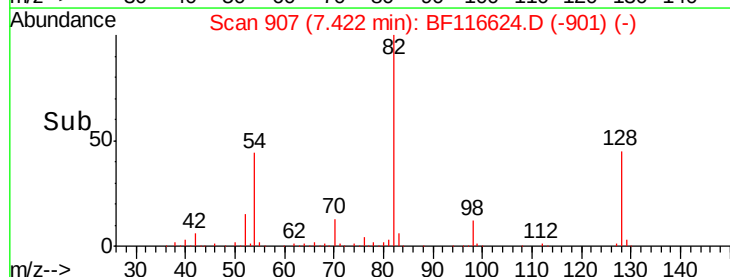
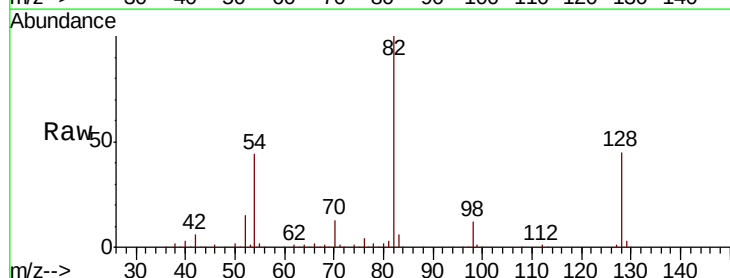
Instrument :
 BNA_F
 ClientSampleId :

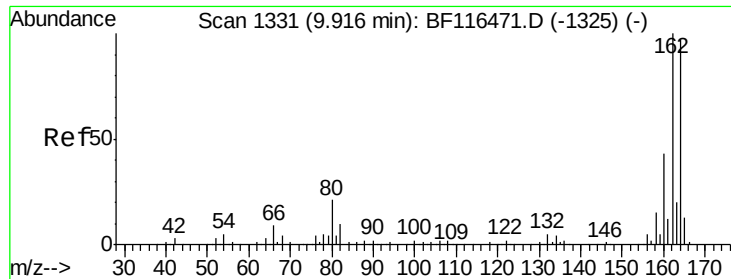
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.0	52.6
54	43.7	34.4	51.6



#25
 Isophorone
 Concen: 43.340 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.26 min
 Lab File: BF116624.D
 Acq: 28 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.4	21.6#

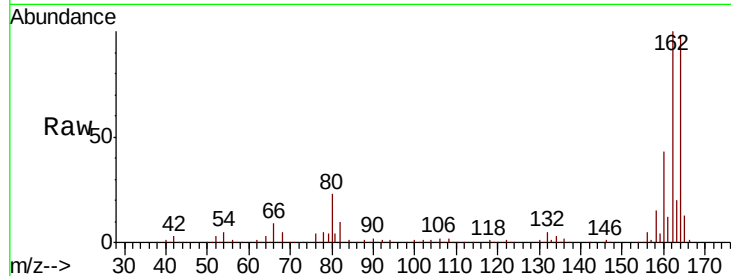




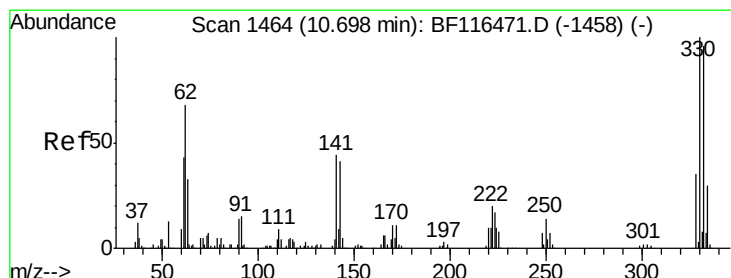
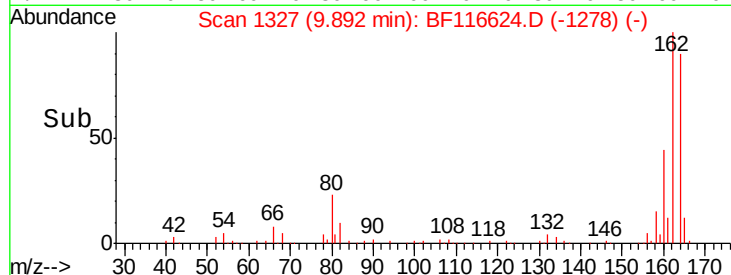
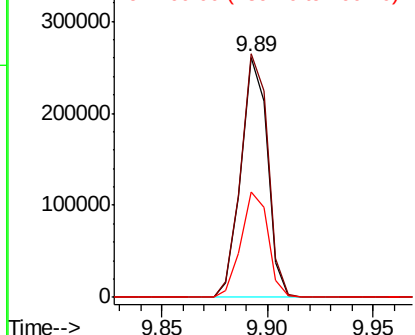
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 226250
Ion Ratio Lower Upper
164 100
162 101.5 83.4 125.0
160 44.1 37.0 55.4

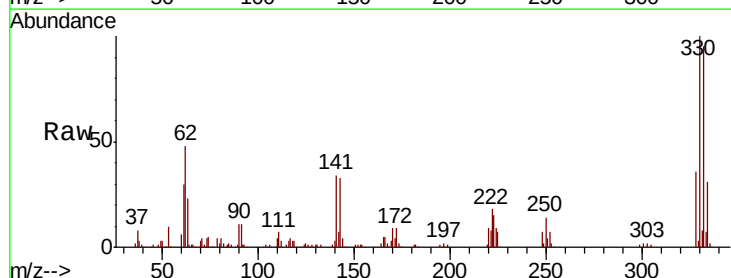


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

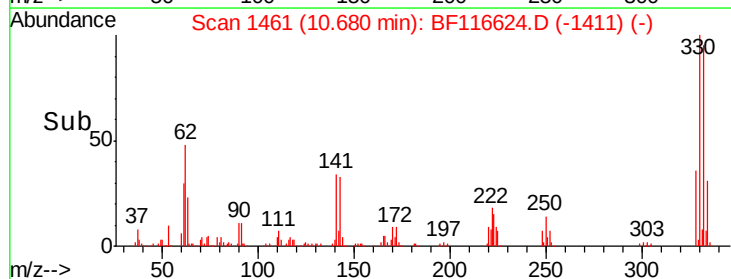
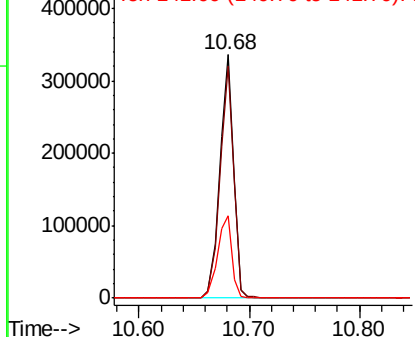


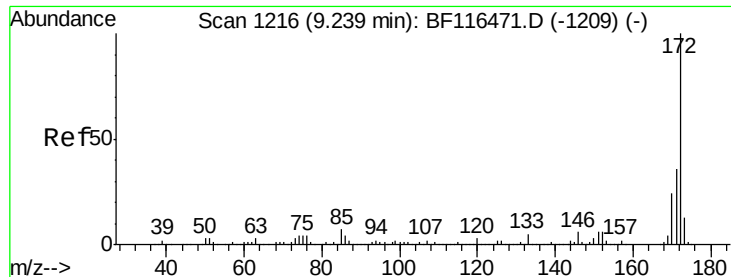
#42
2,4,6-Tribromophenol
Concen: 135.114 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Tgt Ion:330 Resp: 290903
Ion Ratio Lower Upper
330 100
332 95.4 77.5 116.3
141 35.3 28.2 42.2



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



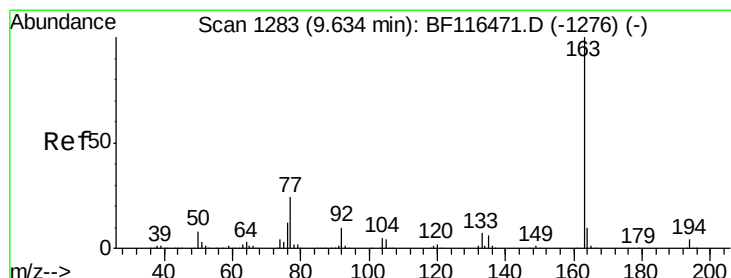
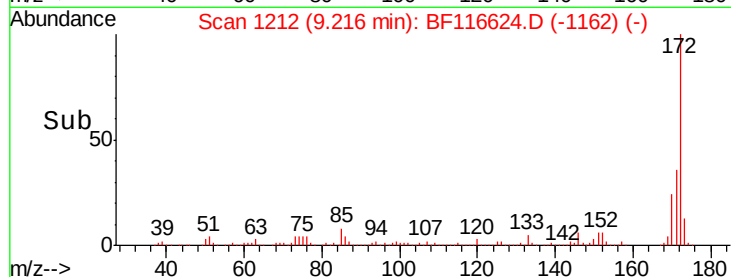
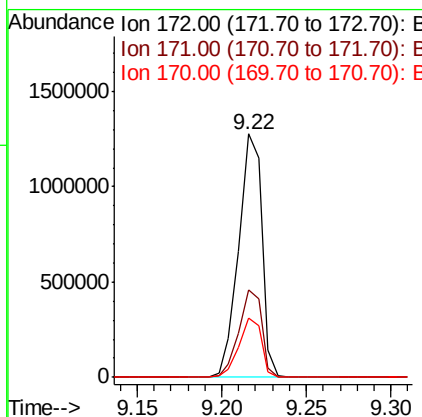
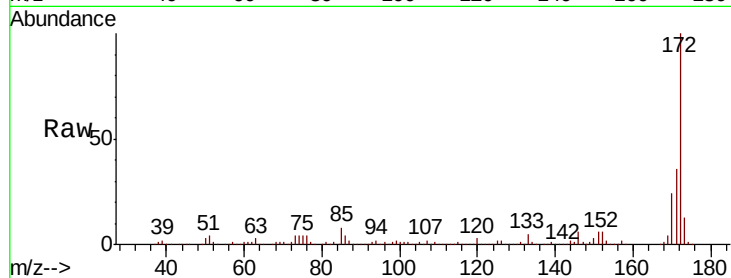


#45
 2-Fluorobiphenyl
 Concen: 90.290 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF116624.D
 Acq: 28 Aug 2019 19:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1227510

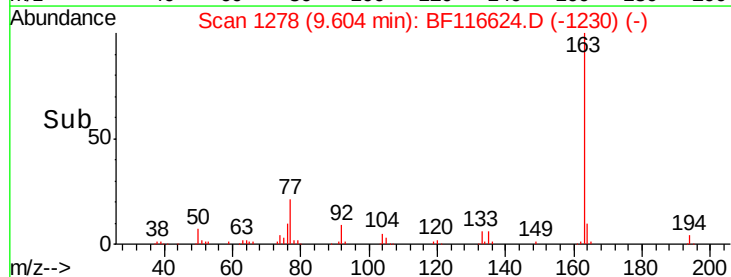
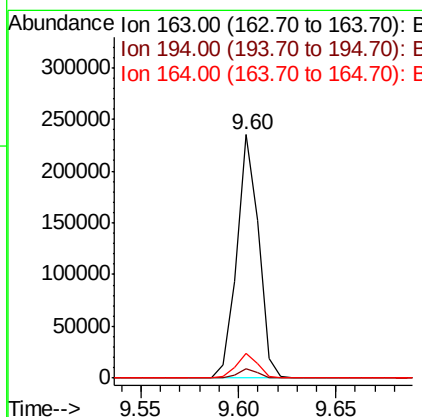
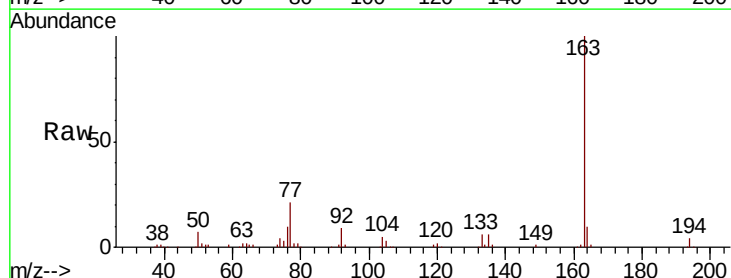
Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.6
170	24.2	19.3	28.9

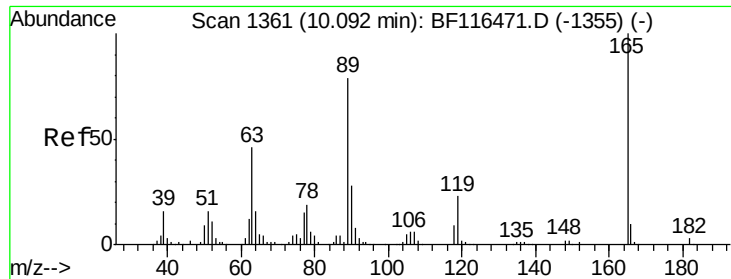


#50
 Dimethylphthalate
 Concen: 11.985 ng
 RT: 9.60 min Scan# 1278
 Delta R.T. -0.02 min
 Lab File: BF116624.D
 Acq: 28 Aug 2019 19:34

Tgt Ion:163 Resp: 182293

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.1	8.2	12.2

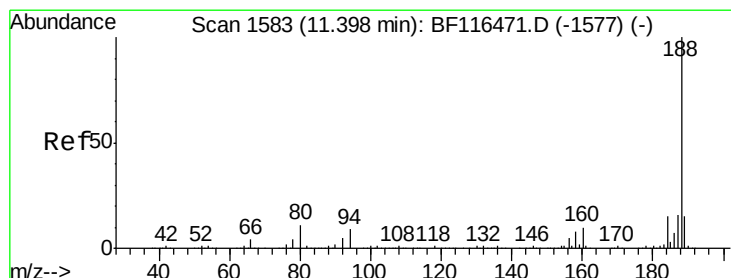
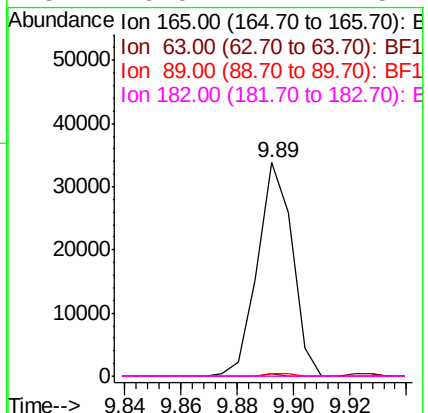
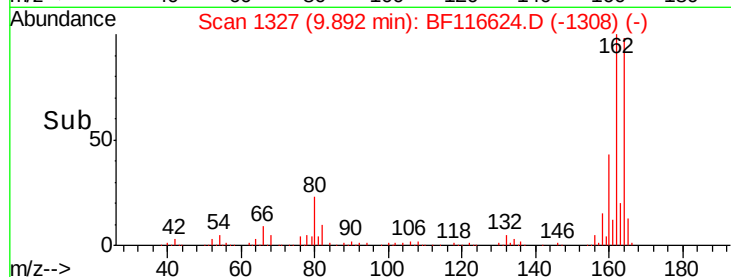
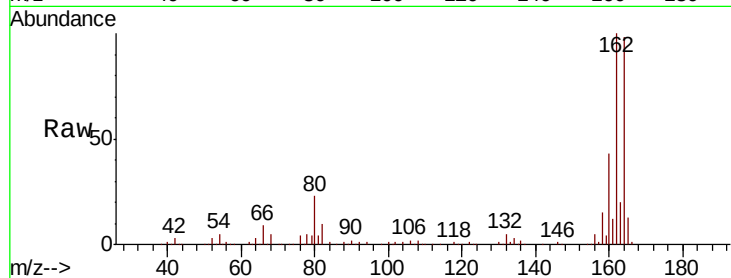




#57
 2,4-Dinitrotoluene
 Concen: 6.536 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF116624.D
 Acq: 28 Aug 2019 19:34

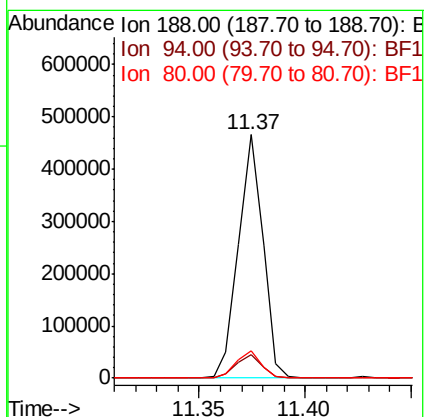
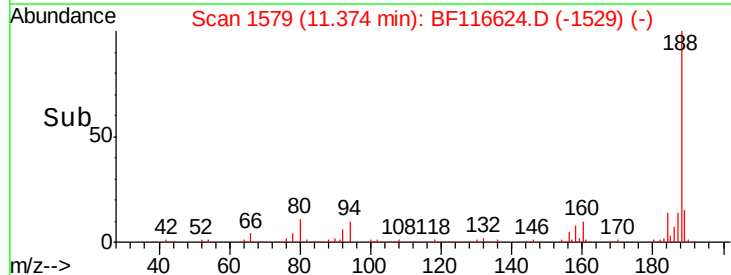
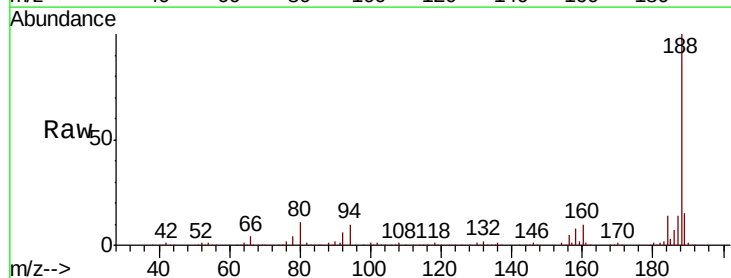
Instrument :
 BNA_F
 ClientSampled :

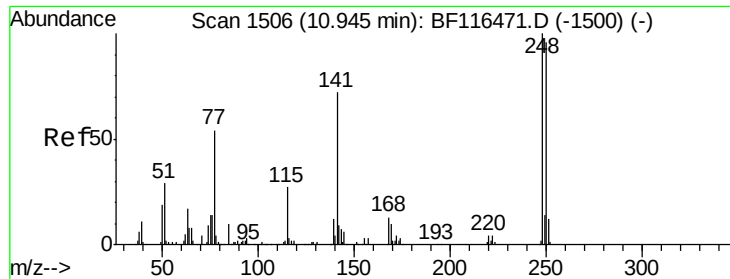
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	30.9	46.3#
89	1.0	55.0	82.6#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF116624.D
 Acq: 28 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.2	12.4
80	11.1	8.9	13.3

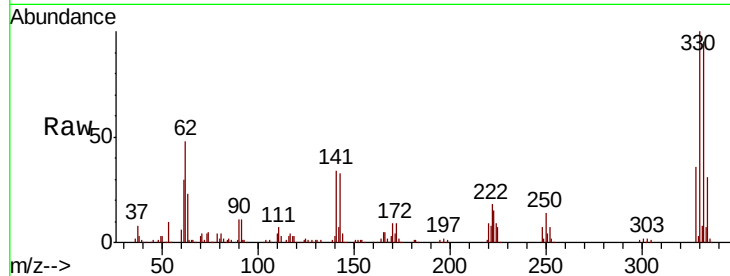




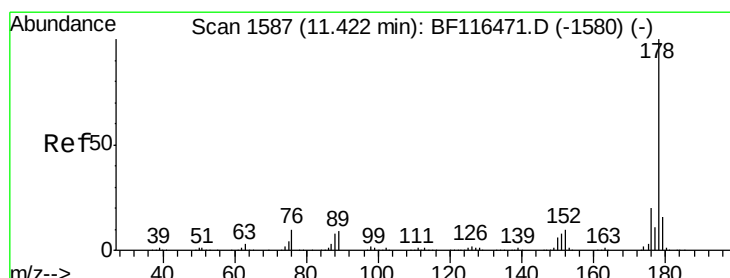
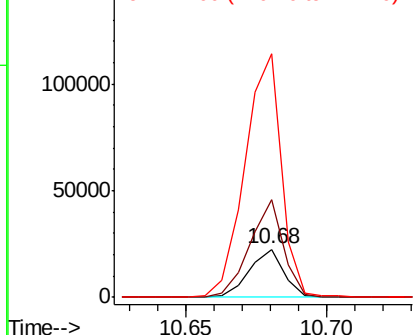
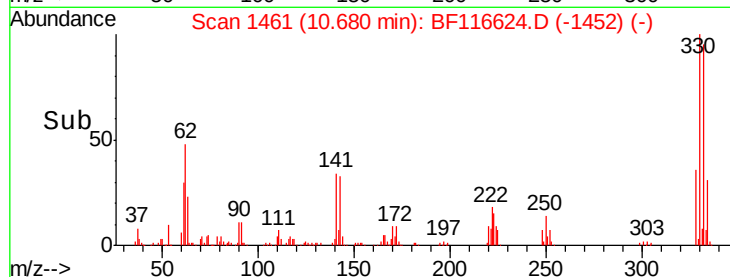
#67
 4-Bromophenyl-phenylether
 Concen: 4.853 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.25 min
 Lab File: BF116624.D
 Acq: 28 Aug 2019 19:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 19284
 Ion Ratio Lower Upper
 248 100
 250 201.0 76.6 115.0#
 141 503.6 60.8 91.2#

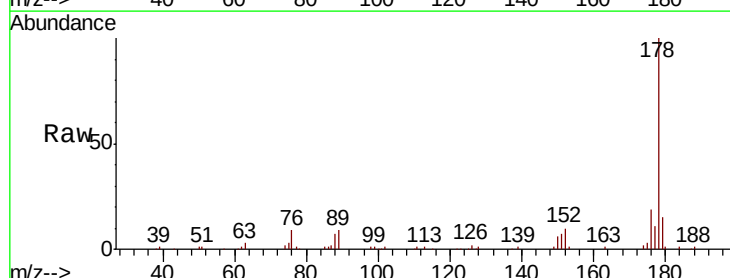


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

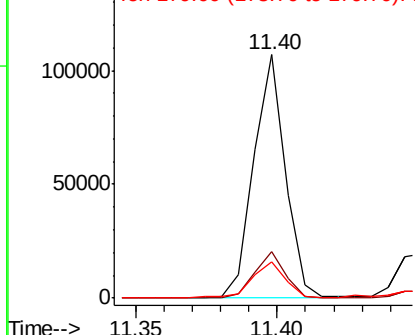
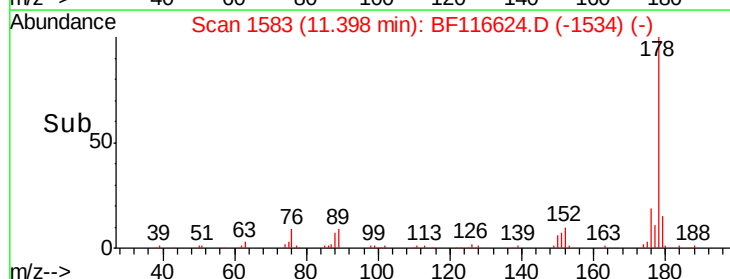


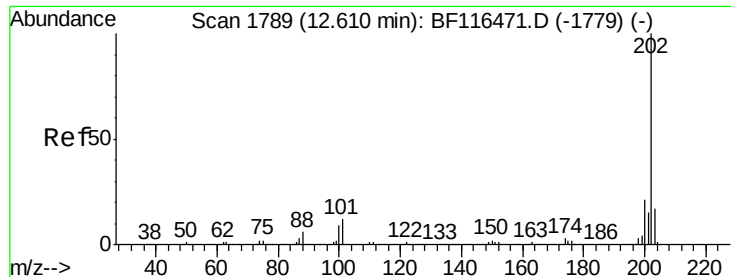
#71
 Phenanthrene
 Concen: 4.125 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF116624.D
 Acq: 28 Aug 2019 19:34

Tgt Ion:178 Resp: 83004
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.5 23.3
 179 14.9 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.075 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF116624.D

Acq: 28 Aug 2019 19:34

Instrument :

BNA_F

ClientSampleId :

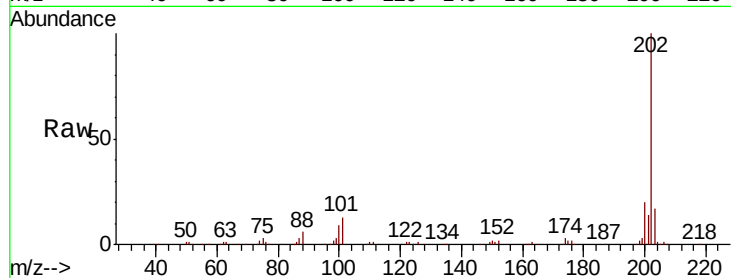
Tot Ion:202 Resp: 109643

Ion Ratio Lower Upper

202 100

101 13.1 0.0 31.8

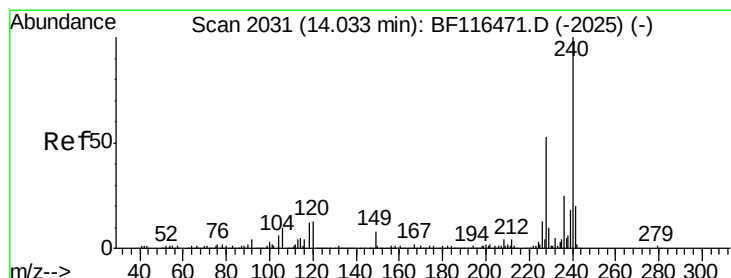
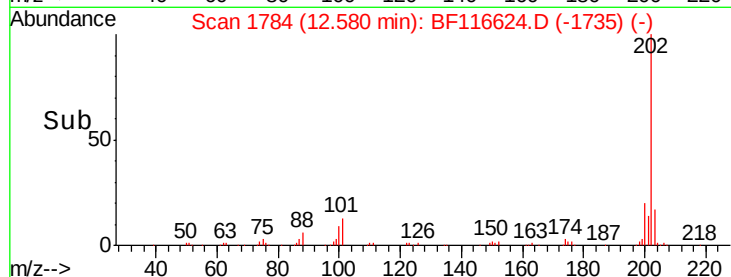
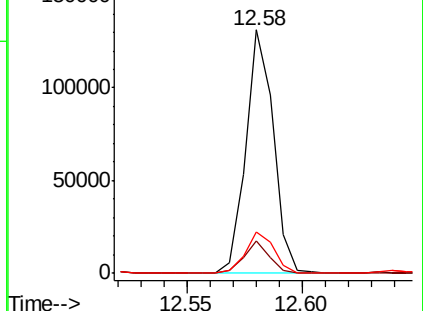
203 16.9 0.0 37.1



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# 2026

Delta R.T. -0.01 min

Lab File: BF116624.D

Acq: 28 Aug 2019 19:34

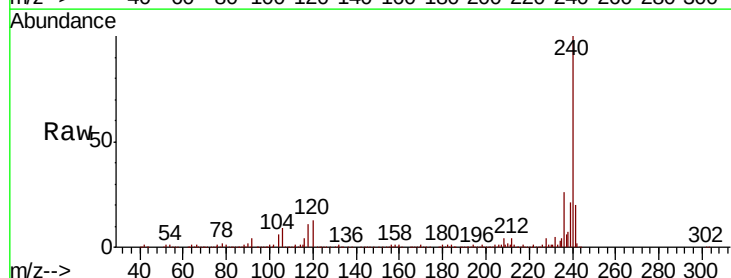
Tgt Ion:240 Resp: 268462

Ion Ratio Lower Upper

240 100

120 12.7 11.3 16.9

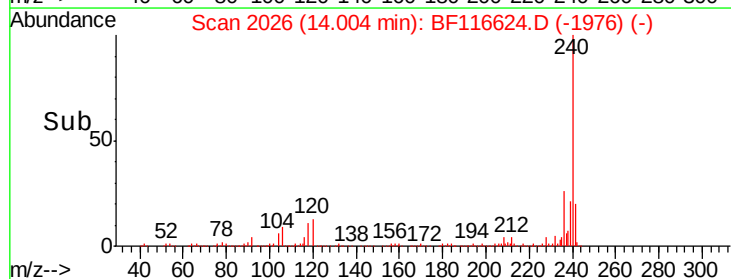
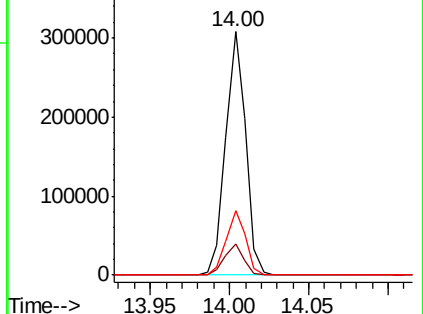
236 26.4 21.4 32.2

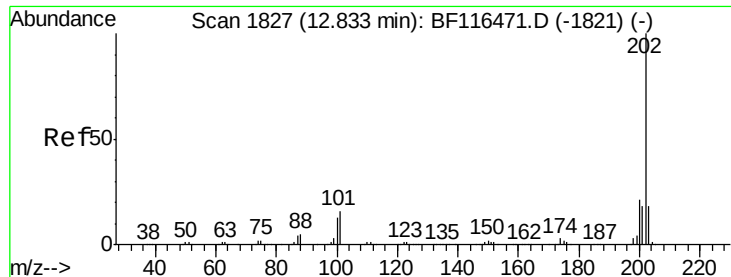


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

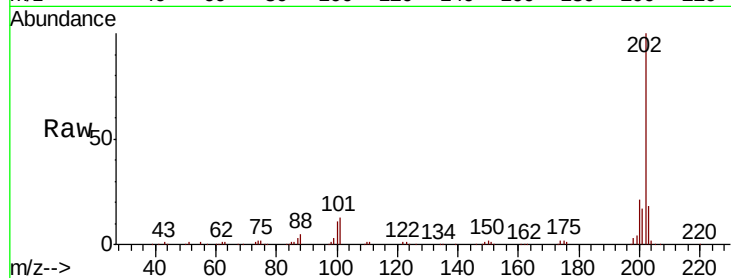




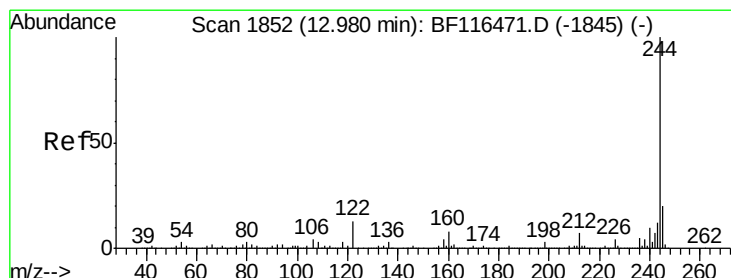
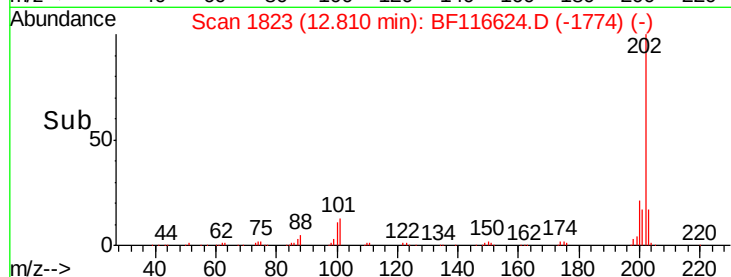
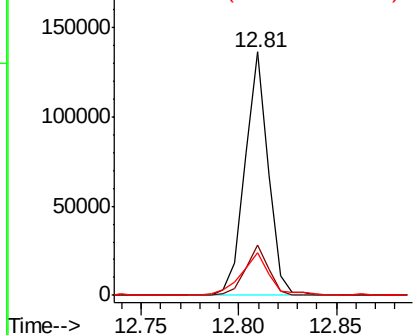
#78
Pvrene
Concen: 4.580 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.0
203	17.8	14.2	21.4

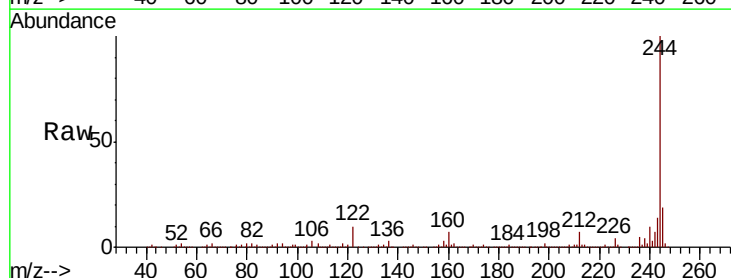


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

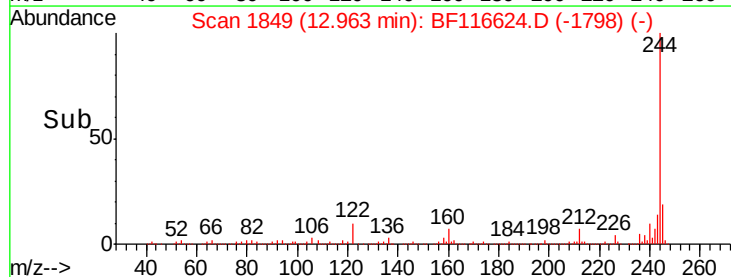
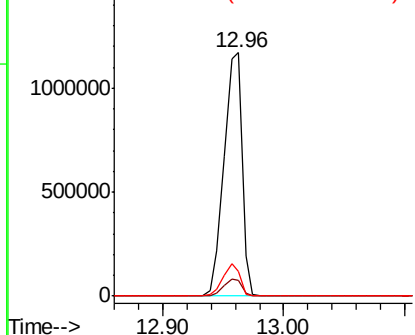


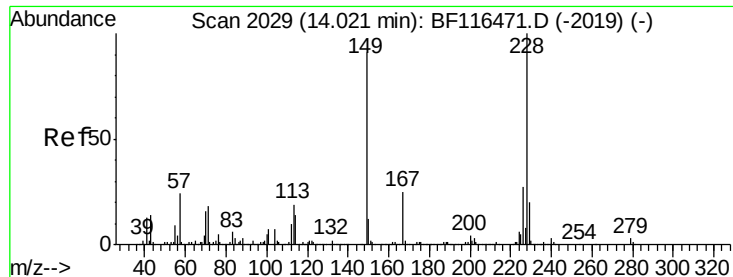
#79
Terphenyl-d14
Concen: 73.621 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.00 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.9	8.9
122	10.2	10.0	15.0



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

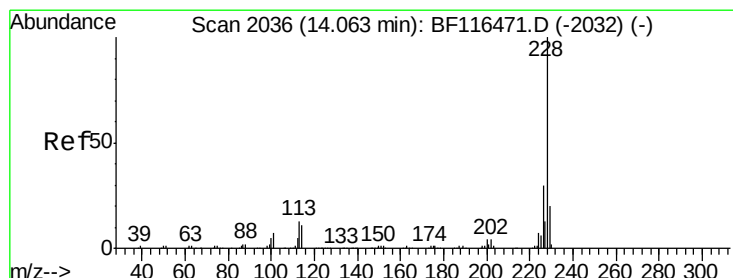
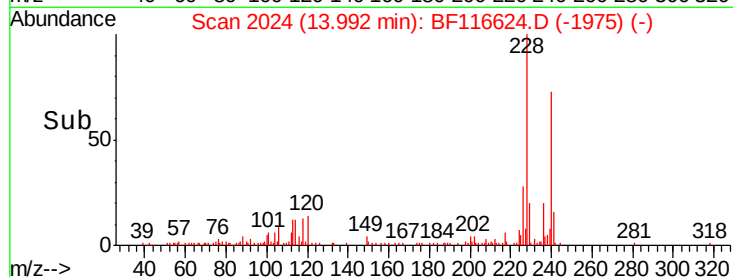
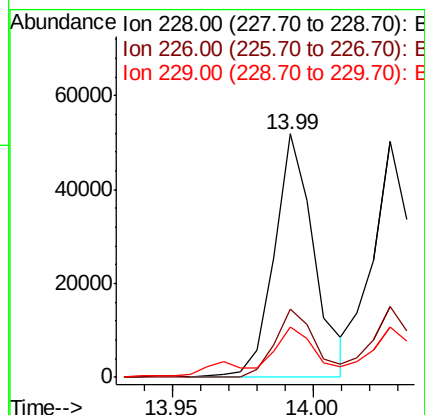
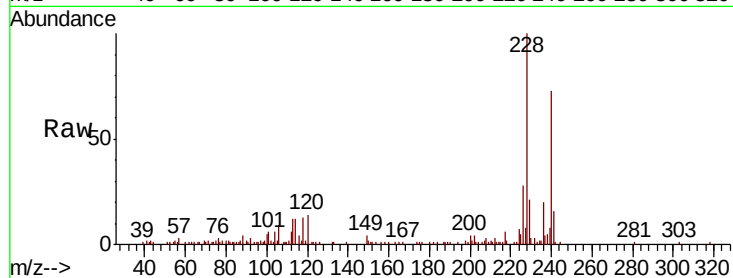




#81
Benzo(a)anthracene
Concen: 2.837 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

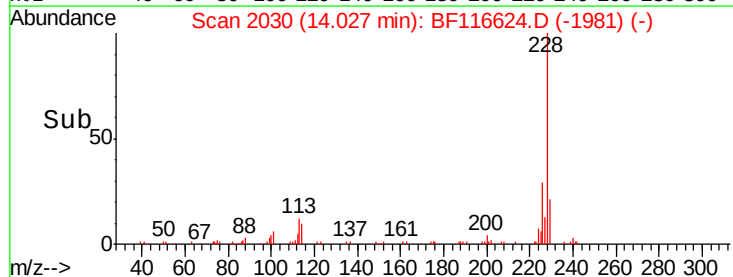
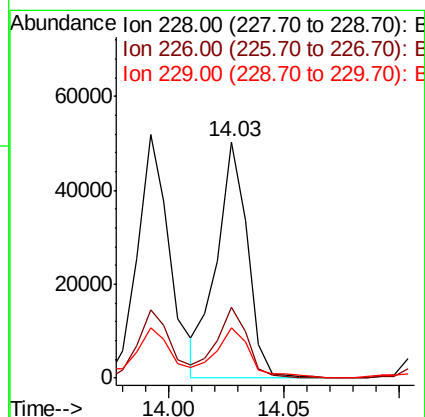
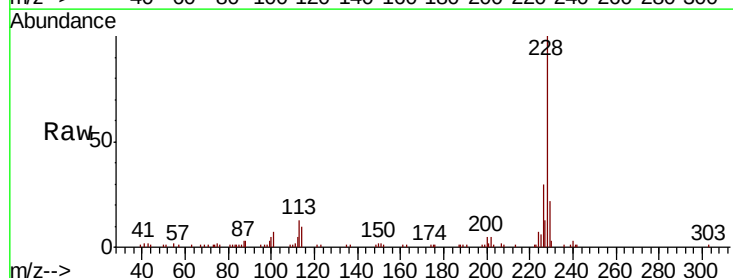
Instrument :
BNA_F
ClientSampleId :

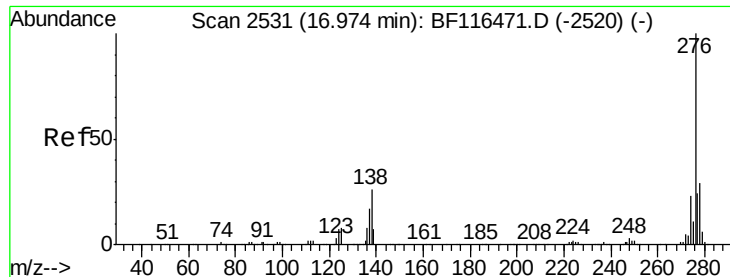
Tot Ion:228 Resp: 50779
Ion Ratio Lower Upper
228 100
226 28.1 21.5 32.3
229 20.7 15.4 23.0



#83
Chrysene
Concen: 2.660 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Tgt Ion:228 Resp: 46610
Ion Ratio Lower Upper
228 100
226 29.8 24.0 36.0
229 21.6 15.8 23.8

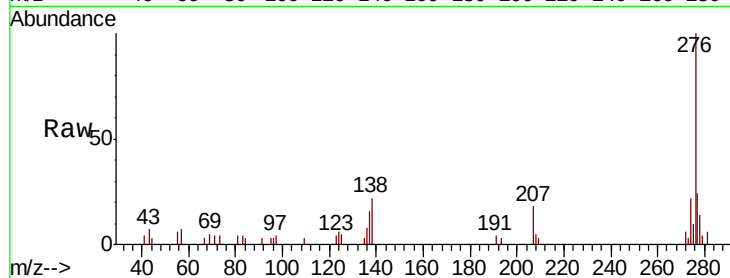




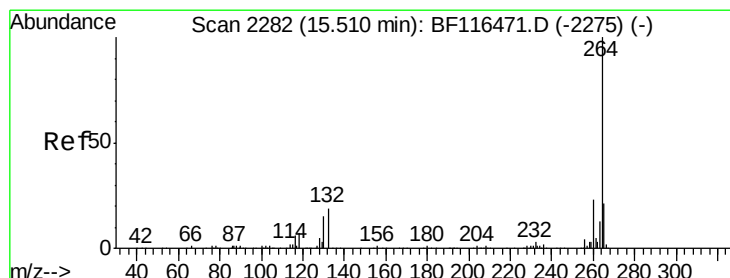
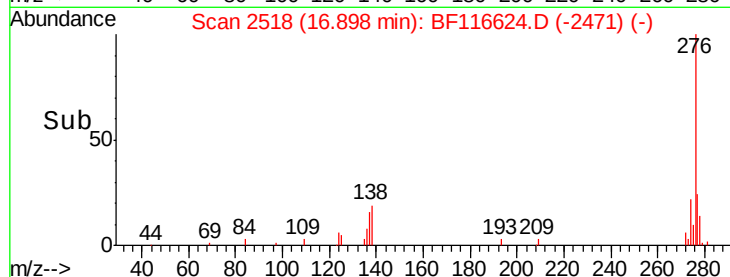
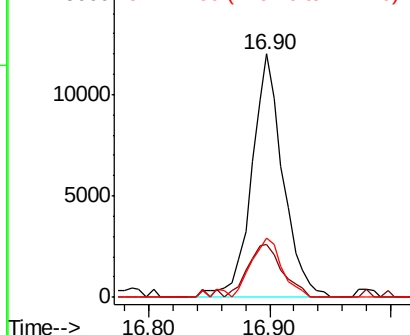
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.341 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.2	21.5	32.3
277	23.9	20.0	30.0

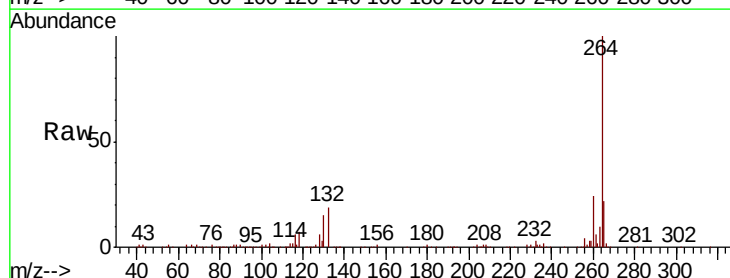


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

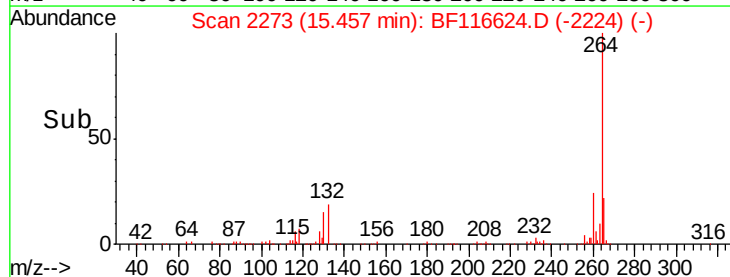
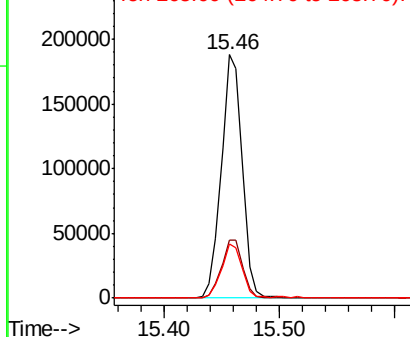


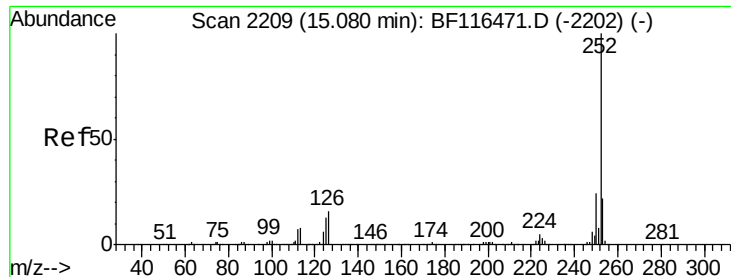
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.0	30.0
265	22.2	17.6	26.4



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

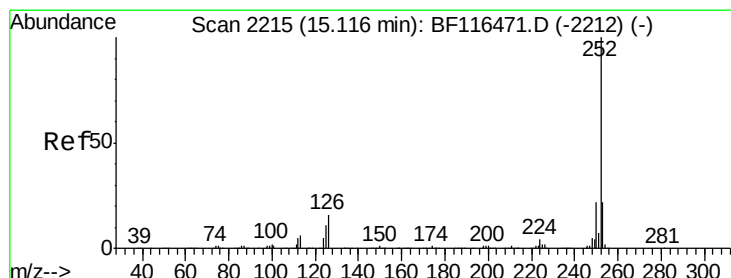
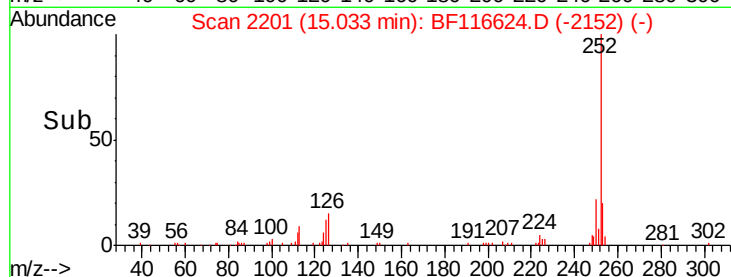
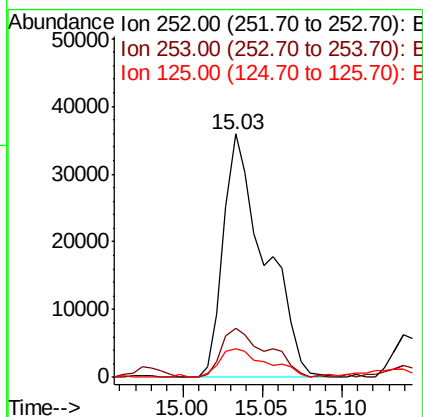
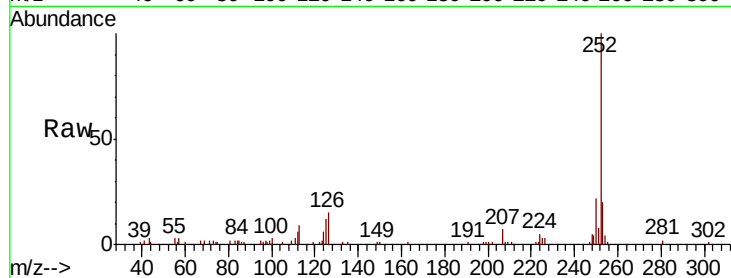




#88
Benzo(b)fluoranthene
Concen: 4.522 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

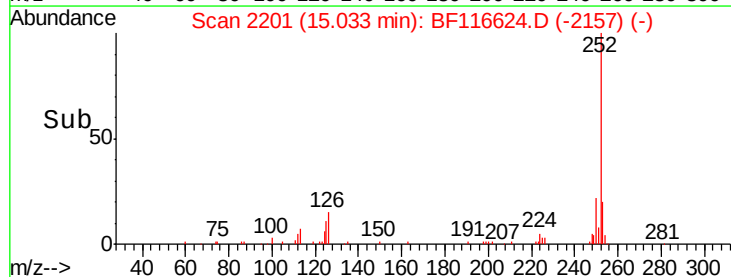
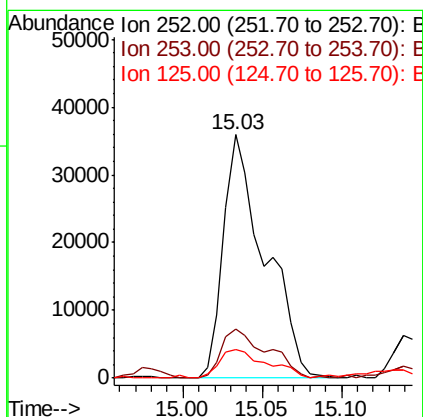
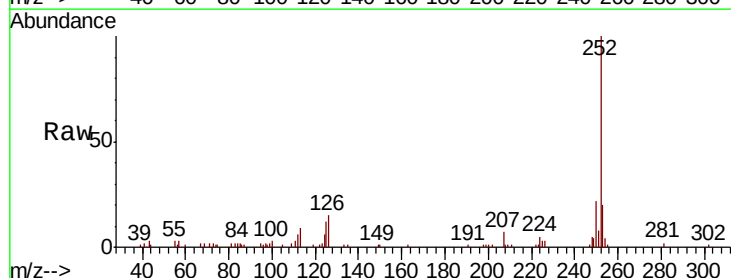
Instrument :
BNA_F
ClientSampleId :

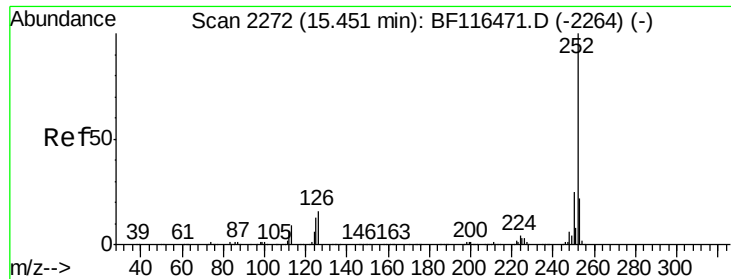
Tot Ion:252 Resp: 65532
Ion Ratio Lower Upper
252 100
253 20.3 17.3 25.9
125 11.9 9.0 13.6



#89
Benzo(k)fluoranthene
Concen: 4.757 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Tgt Ion:252 Resp: 65532
Ion Ratio Lower Upper
252 100
253 20.3 17.2 25.8
125 11.9 8.6 13.0





#90

Benzo(a)pyrene

Concen: 2.613 ng

RT: 15.39 min Scan# 2262

Delta R.T. -0.01 min

Lab File: BF116624.D

Acq: 28 Aug 2019 19:34

Instrument :

BNA_F

ClientSampleId :

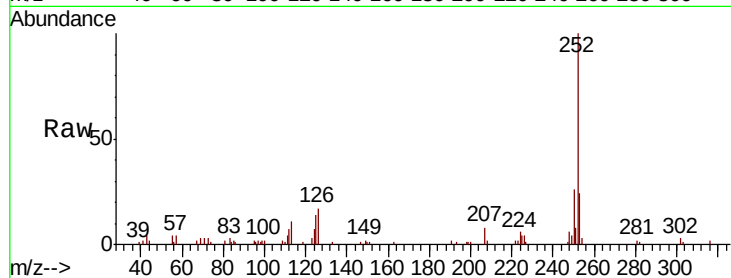
Tot Ion:252 Resp: 33804

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

125 13.7 10.6 16.0



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

