

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116622.D
 Acq On : 28 Aug 2019 18:39
 Operator : HP/JU
 Sample : K4470-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 29 01:04:39 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	109882	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	381387	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	199999	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	359153	20.00	ng	0.00
76) Chrysene-d12	14.00	240	277047	20.00	ng	0.00
87) Perylene-d12	15.46	264	251268	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	904012	142.10	ng	0.00
7) Phenol-d6	6.49	99	1322281	153.31	ng	0.00
23) Nitrobenzene-d5	7.42	82	788930	118.36	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	277226	145.66	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1279910	106.50	ng	0.00
79) Terphenyl-d14	12.96	244	1115375	65.48	ng	0.00

Target Compounds

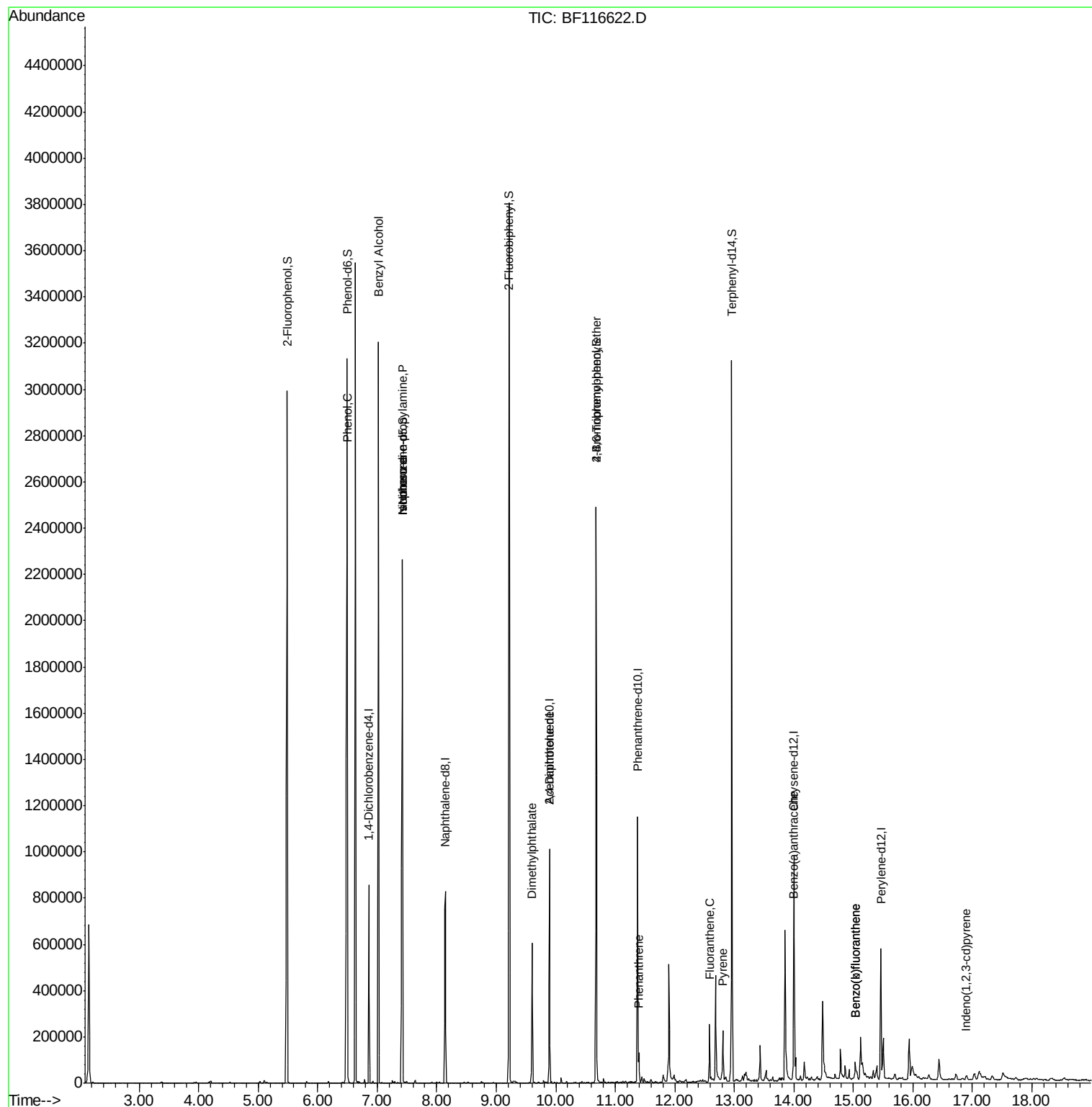
						Qvalue
9) Benzaldehyde	6.50	77	2278	Below Cal	#	1
10) Phenol	6.50	94	32376	3.422 ng		99
15) Benzyl Alcohol	7.02	79	14142	2.108 ng	#	63
19) n-Nitroso-di-n-propylamine	7.42	70	105276	19.194 ng	#	79
25) Isophorone	7.42	82	785474	64.735 ng	#	65
50) Dimethylphthalate	9.60	163	222361	16.538 ng		100
57) 2,4-Dinitrotoluene	9.89	165	25773	6.588 ng	#	26
67) 4-Bromophenyl-phenylether	10.68	248	19027	4.995 ng	#	1
71) Phenanthrene	11.40	178	42784	2.218 ng		99
75) Fluoranthene	12.58	202	94257	5.448 ng		97
78) Pyrene	12.81	202	80485	3.159 ng		98
81) Benzo(a)anthracene	13.99	228	38956	2.109 ng		99
86) Indeno(1,2,3-cd)pyrene	16.90	276	14290	4.803 ng		96
88) Benzo(b)fluoranthene	15.03	252	51134	3.314 ng	#	94
89) Benzo(k)fluoranthene	15.03	252	51134	3.486 ng	#	93

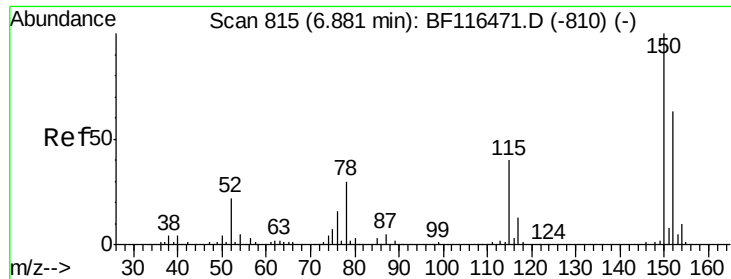
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
Data File : BF116622.D
Acq On : 28 Aug 2019 18:39
Operator : HP/JU
Sample : K4470-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 29 01:04:39 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



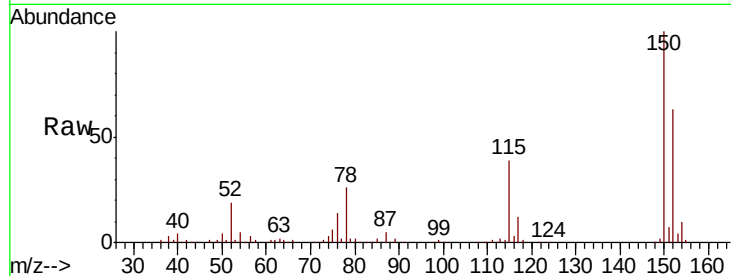


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF116622.D
Acq: 28 Aug 2019 18:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	123.4	185.2
115	61.8	48.2	72.2

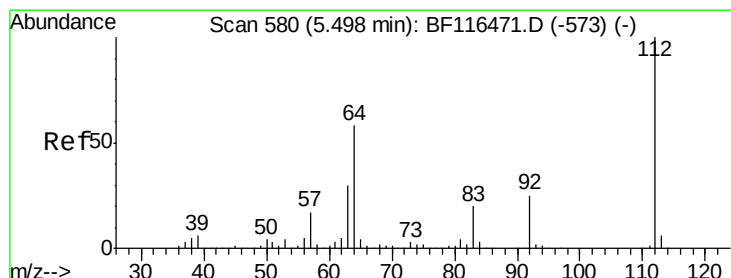
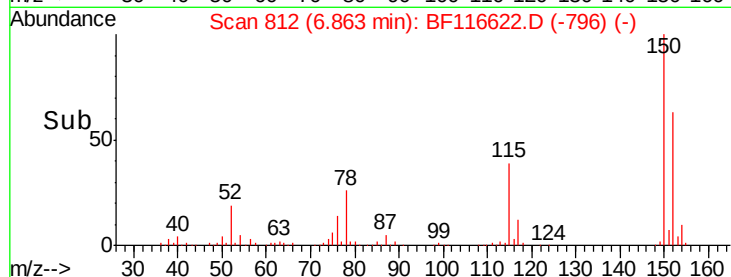
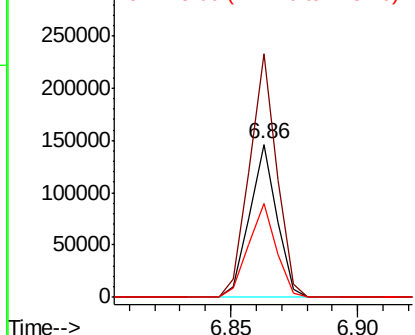


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

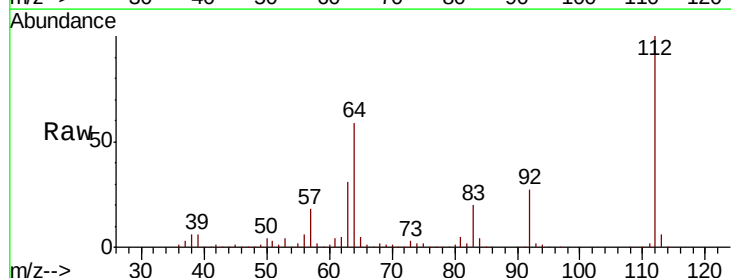
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 142.101 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF116622.D
Acq: 28 Aug 2019 18:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	48.0	72.0
63	30.7	24.6	36.8

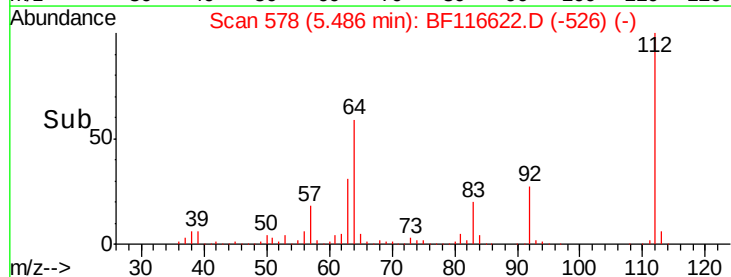
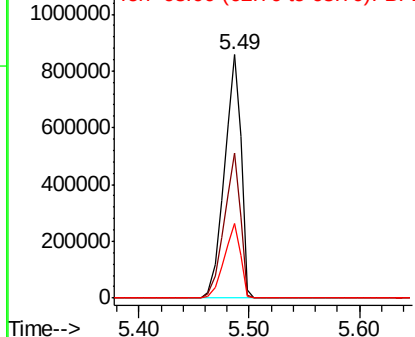


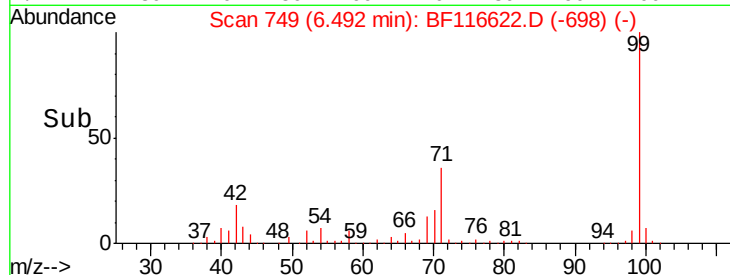
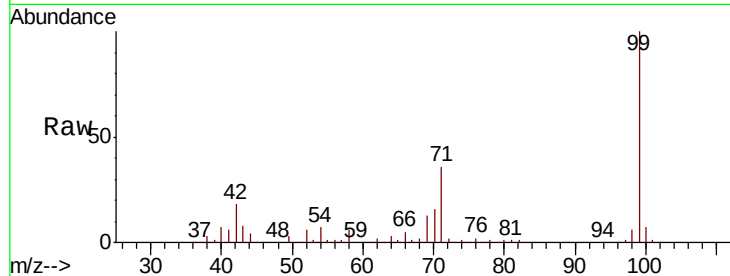
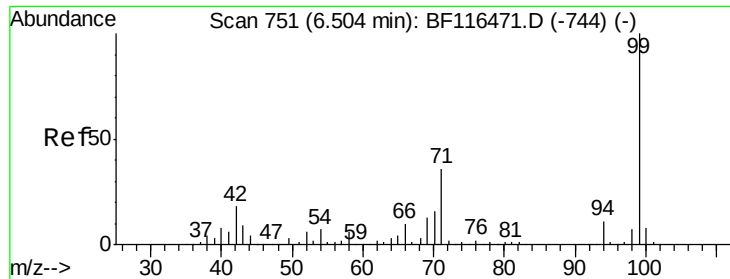
Abundance

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: 153.310 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF116622.D

Acq: 28 Aug 2019 18:39

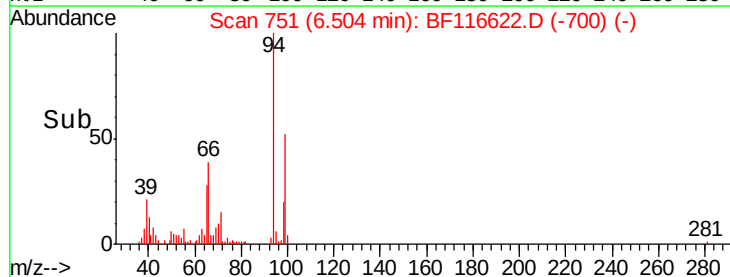
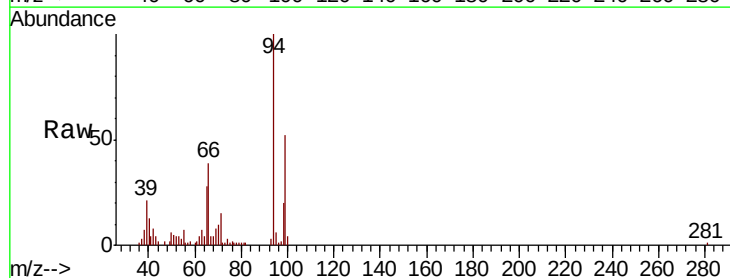
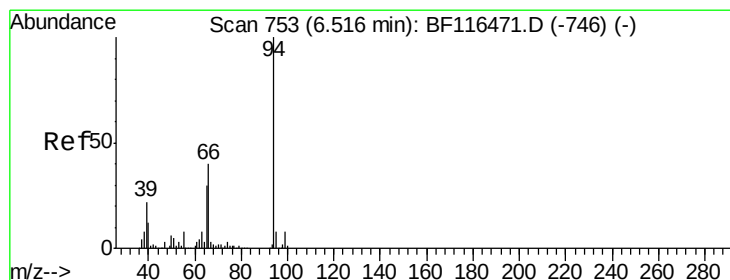
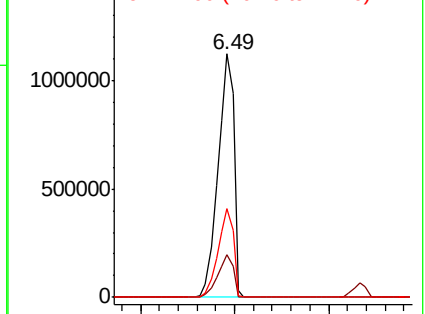
Tot Ion: 99 Resp: 1322281

Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.2	19.8
71	36.4	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: 3.422 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116622.D

Acq: 28 Aug 2019 18:39

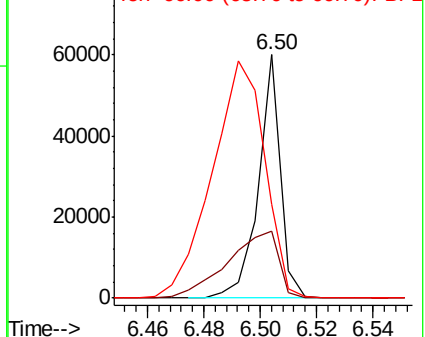
Tgt Ion: 94 Resp: 32376

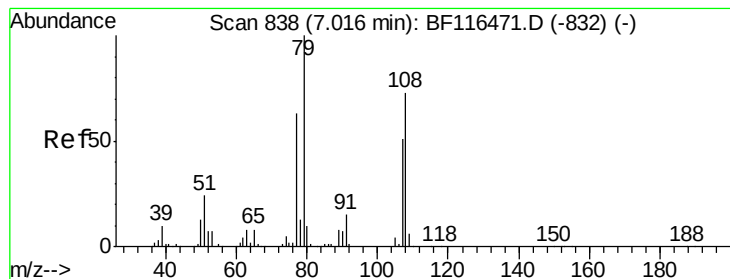
Ion	Ratio	Lower	Upper
94	100		
65	27.8	8.6	48.6
66	38.7	18.0	58.0

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





#15

Benzyl Alcohol

Concen: 2.108 ng

RT: 7.02 min Scan# 839

Delta R.T. 0.02 min

Lab File: BF116622.D

Acq: 28 Aug 2019 18:39

Instrument :

BNA_F

ClientSampleId :

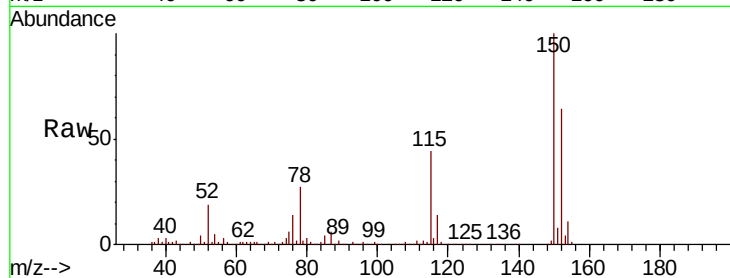
Tot Ion: 79 Resp: 14142

Ion Ratio Lower Upper

79 100

108 59.0 62.2 93.4#

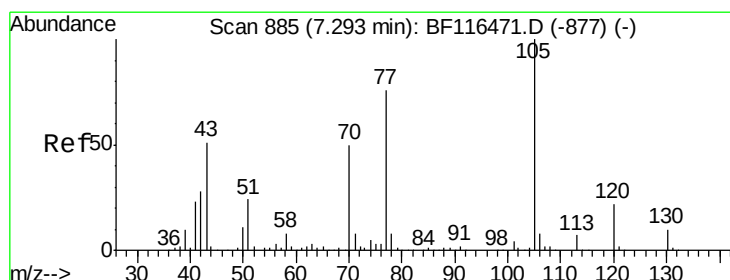
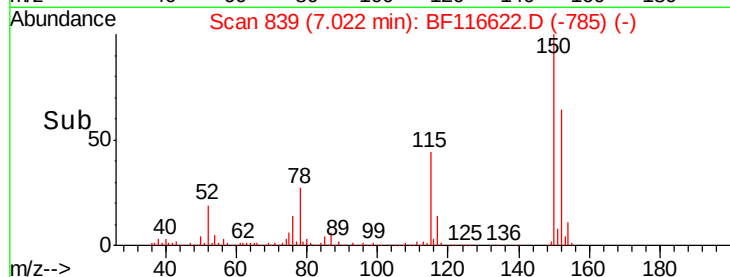
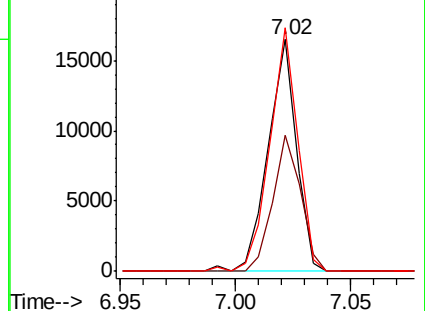
77 105.0 49.8 74.6#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 19.194 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF116622.D

Acq: 28 Aug 2019 18:39

Tgt Ion: 70 Resp: 105276

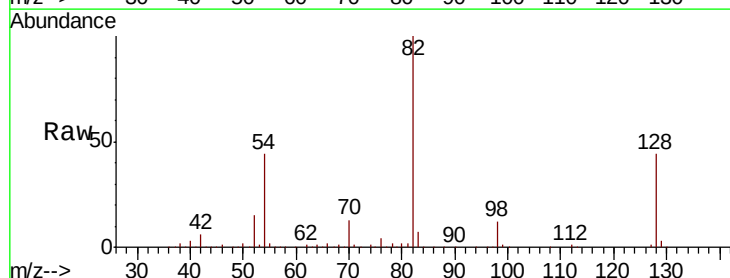
Ion Ratio Lower Upper

70 100

42 43.6 41.2 61.8

101 0.0 7.7 11.5#

130 2.2 17.9 26.9#

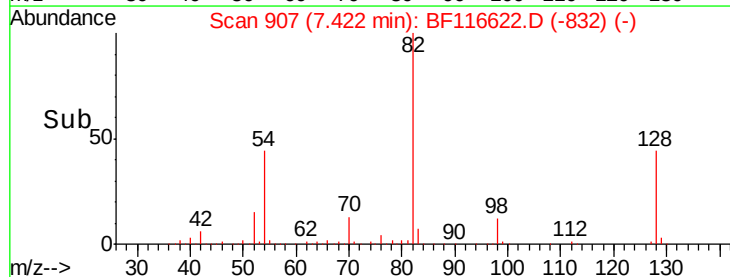
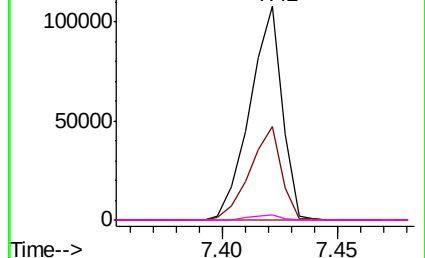


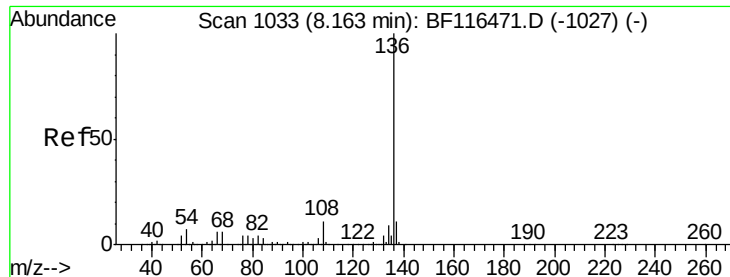
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

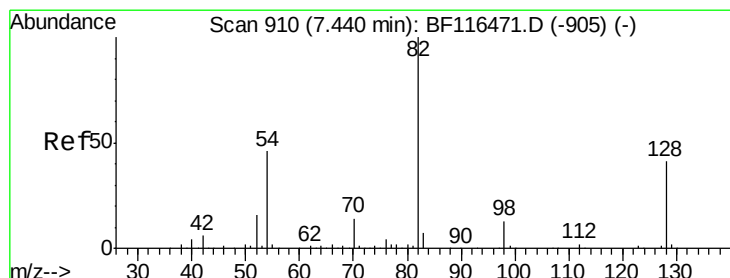
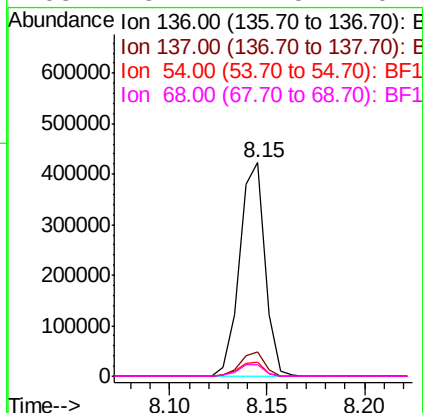
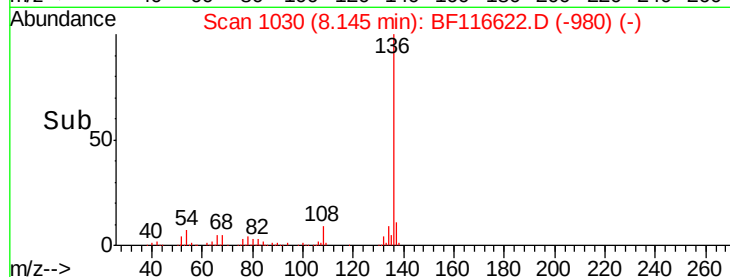
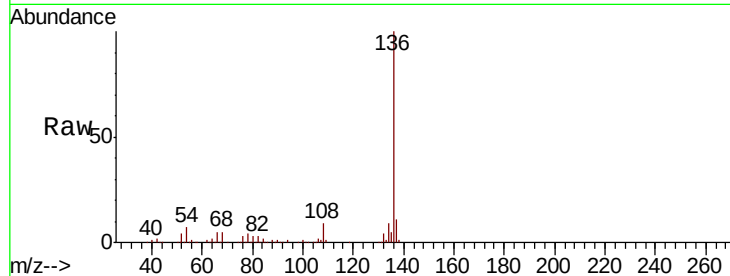




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116622.D
Acq: 28 Aug 2019 18:39

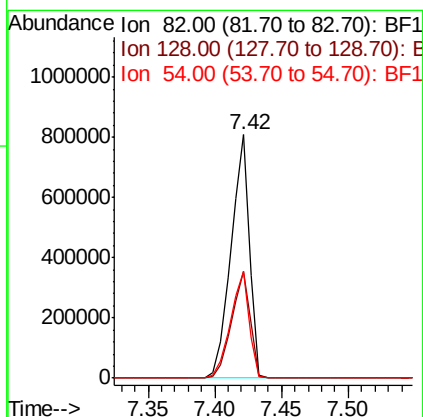
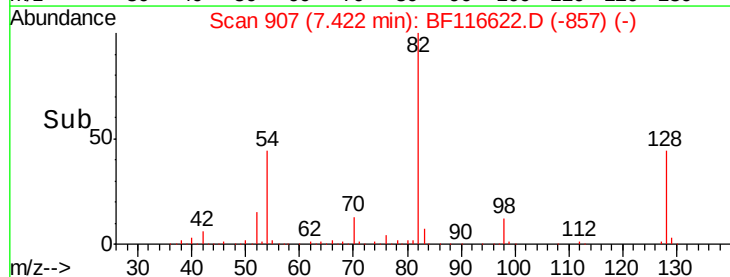
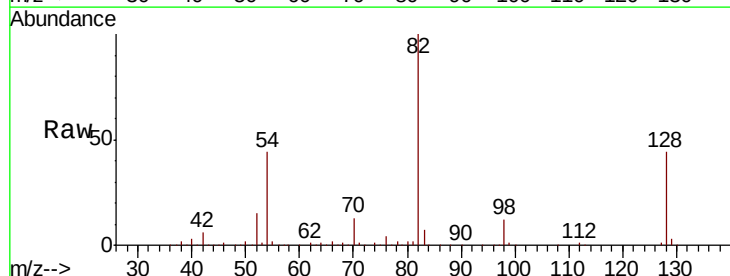
Instrument :
BNA_F
ClientSampleId :

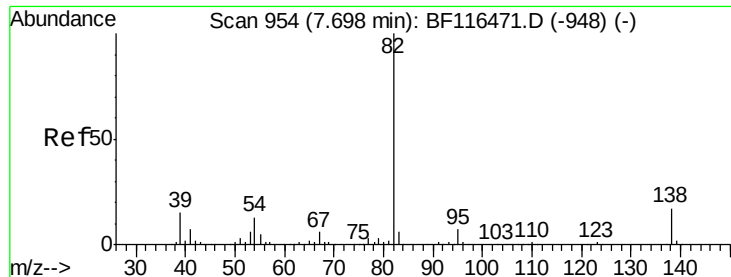
Tot Ion:136	Resp:	381387
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.7 13.1
54	6.5	5.0 7.4
68	5.4	4.5 6.7



#23
Nitrobenzene-d5
Concen: 118.364 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF116622.D
Acq: 28 Aug 2019 18:39

Tgt Ion: 82	Resp:	788930
Ion	Ratio	Lower Upper
82	100	
128	43.9	35.0 52.6
54	43.9	34.4 51.6





#25

Isophorone

Concen: 64.735 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF116622.D

Acq: 28 Aug 2019 18:39

Instrument :

BNA_F

ClientSampled :

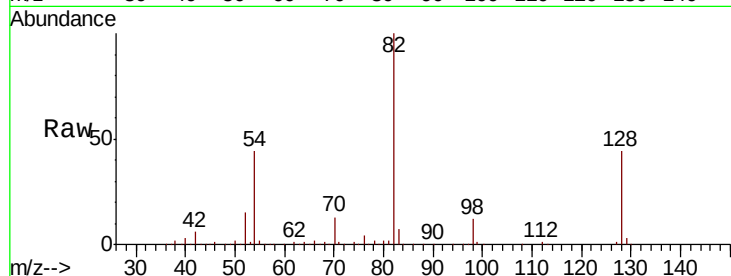
Tot Ion: 82 Resp: 785474

Ion Ratio Lower Upper

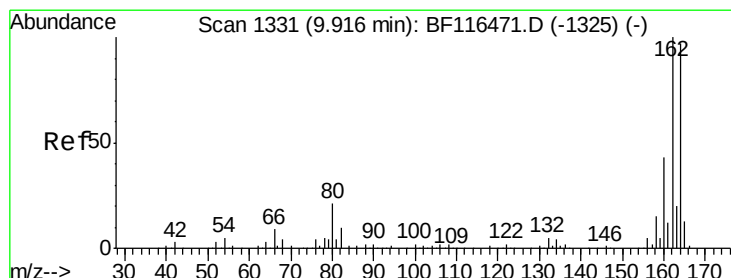
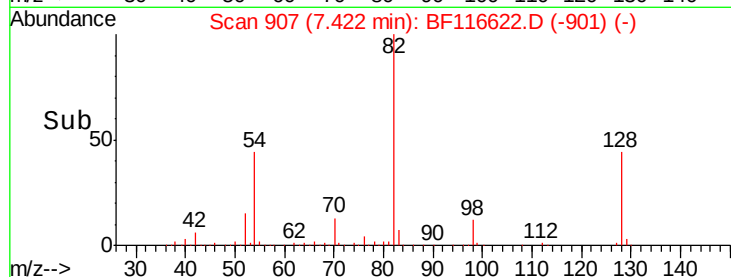
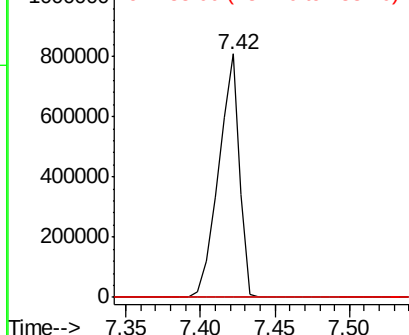
82 100

95 0.0 5.6 8.4#

138 0.0 14.4 21.6#



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): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF116622.D

Acq: 28 Aug 2019 18:39

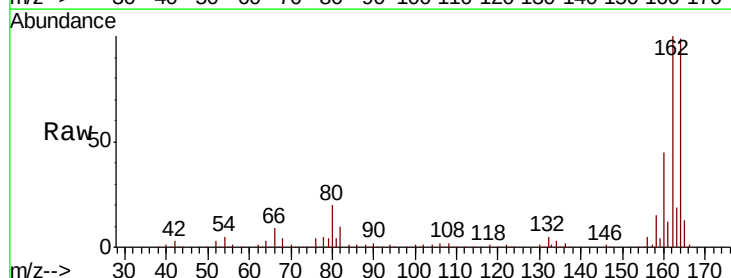
Tgt Ion: 164 Resp: 199999

Ion Ratio Lower Upper

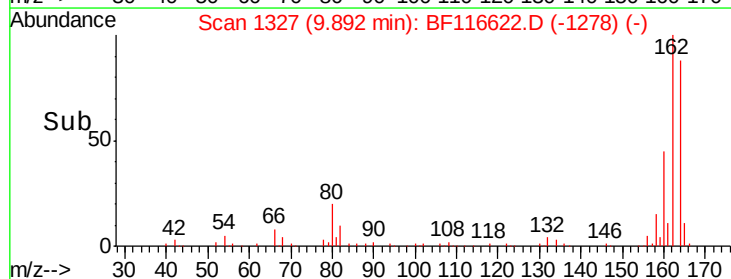
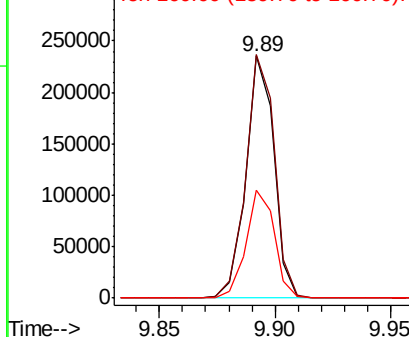
164 100

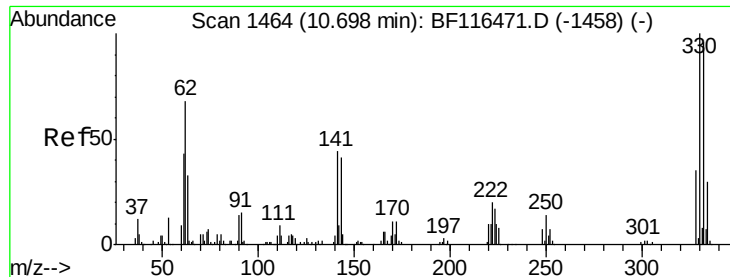
162 100.6 83.4 125.0

160 44.8 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

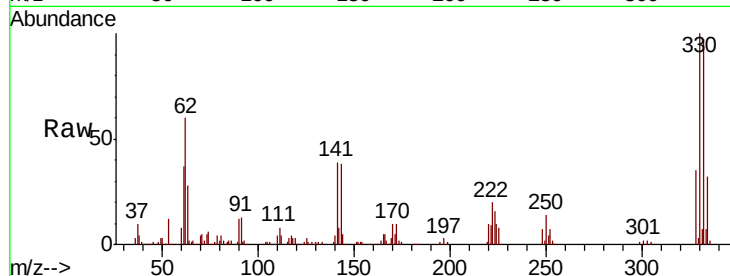




#42
 2,4,6-Tribromophenol
 Concen: 145.662 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF116622.D
 Acq: 28 Aug 2019 18:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.5	116.3
141	37.1	28.2	42.2

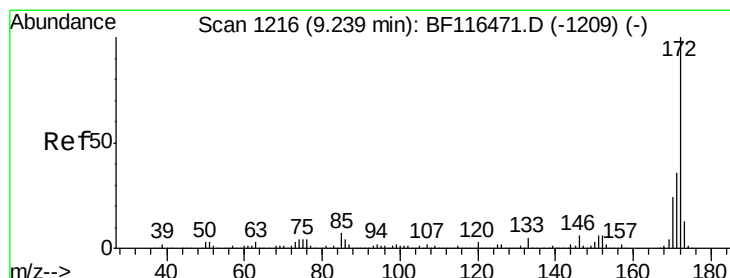
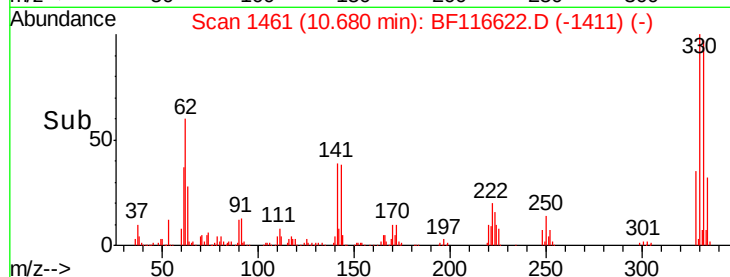
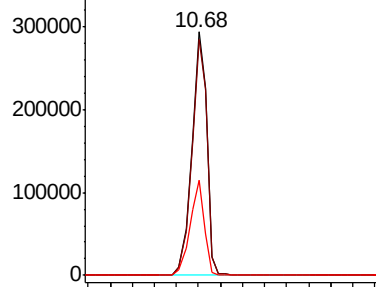


Abundance

Ion 329.80 (329.50 to 330.50): E

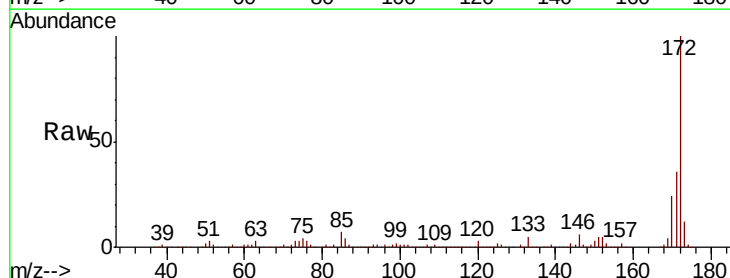
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 106.502 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: BF116622.D
 Acq: 28 Aug 2019 18:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.6
170	23.8	19.3	28.9

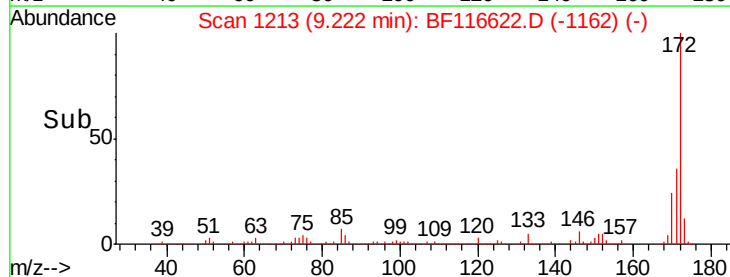
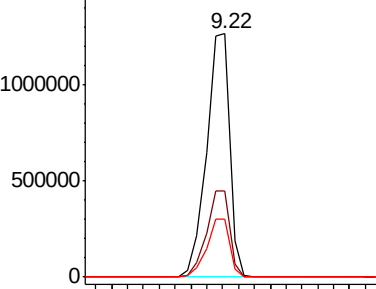


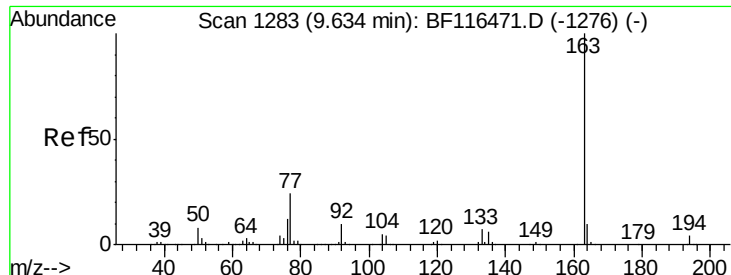
Abundance

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

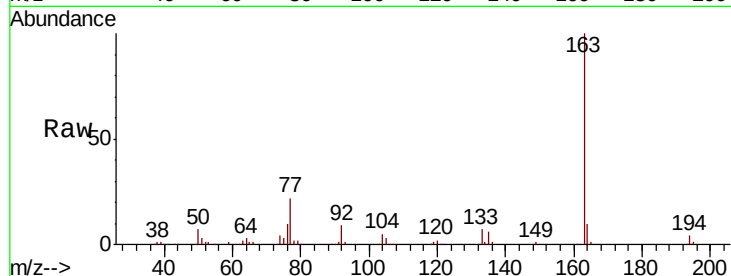




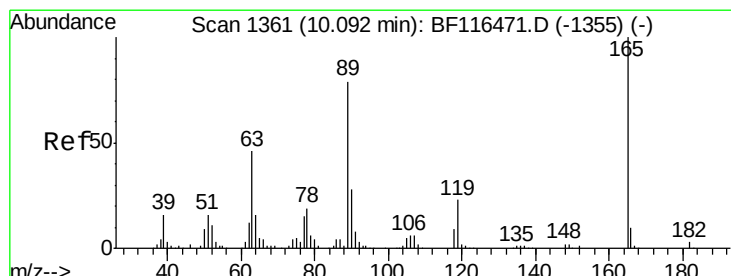
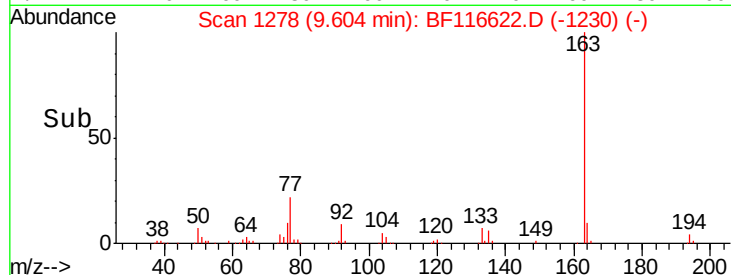
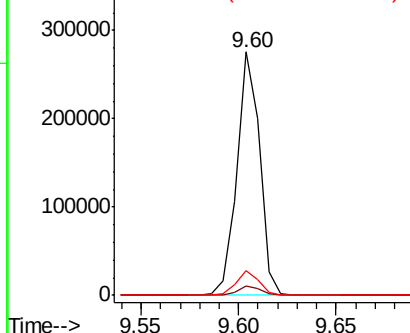
#50
Dimethylphthalate
Concen: 16.538 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF116622.D
Acq: 28 Aug 2019 18:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.2	8.2	12.2

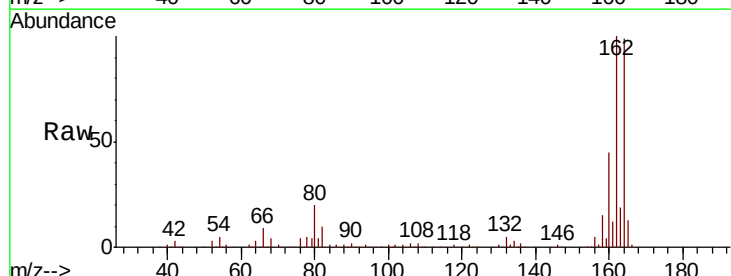


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

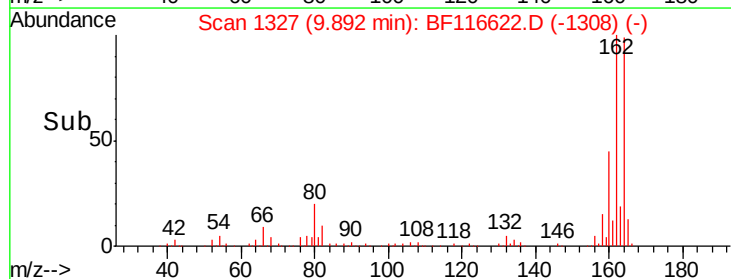
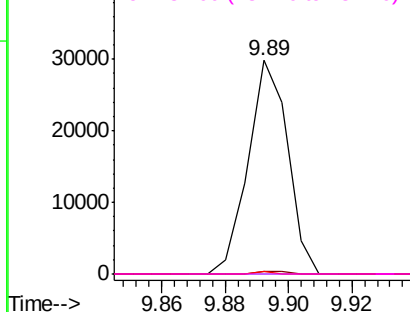


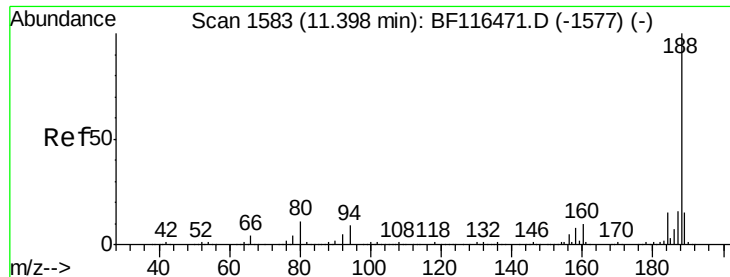
#57
2,4-Dinitrotoluene
Concen: 6.588 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.19 min
Lab File: BF116622.D
Acq: 28 Aug 2019 18:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	30.9	46.3#
89	1.2	55.0	82.6#
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

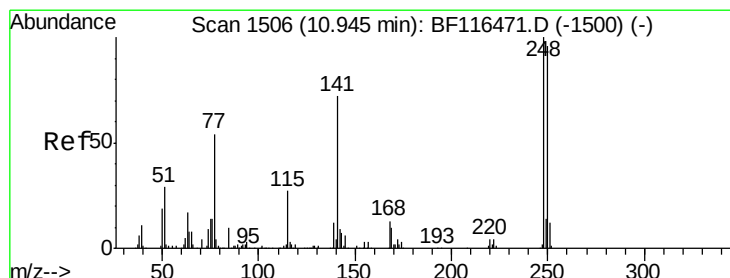
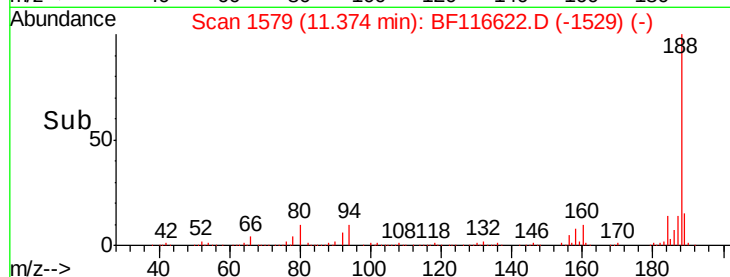
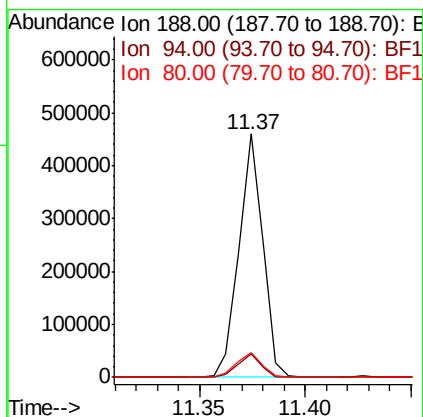
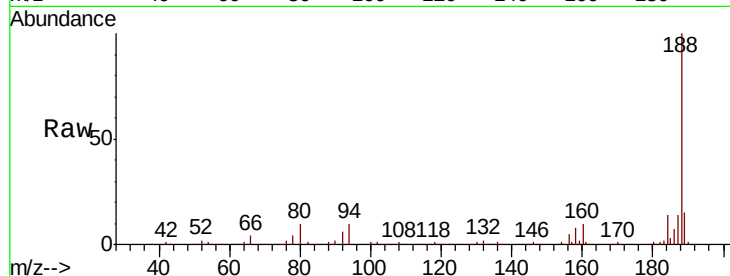




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF116622.D
Acq: 28 Aug 2019 18:39

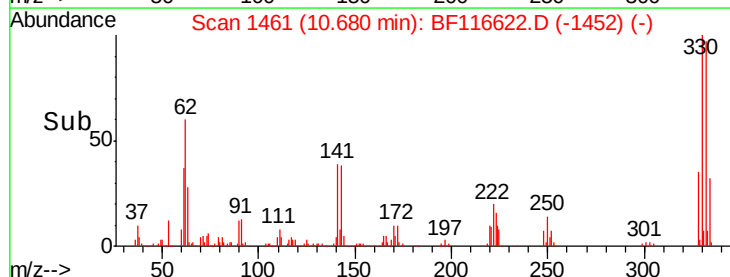
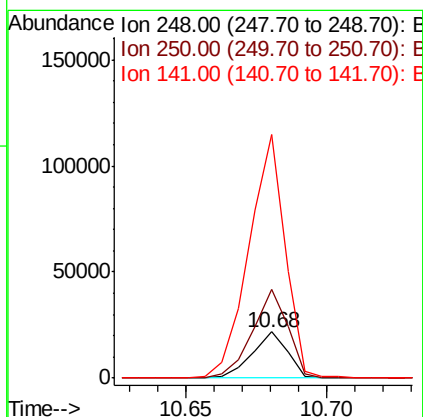
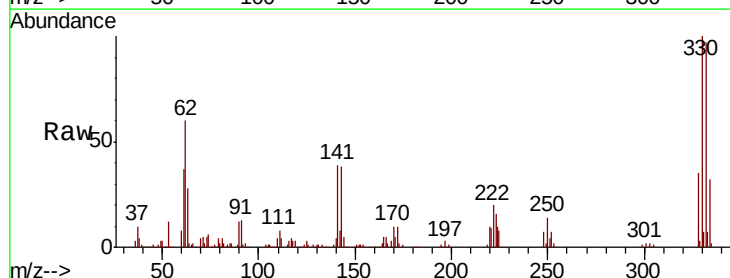
Instrument :
BNA_F
ClientSampleId :

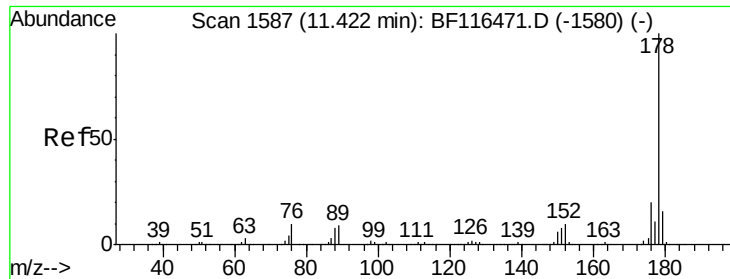
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.2	12.4
80	10.4	8.9	13.3



#67
4-Bromophenyl-phenylether
Concen: 4.995 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.25 min
Lab File: BF116622.D
Acq: 28 Aug 2019 18:39

Tgt Ion	Ratio	Lower	Upper
248	100		
250	192.9	76.6	115.0#
141	529.7	60.8	91.2#

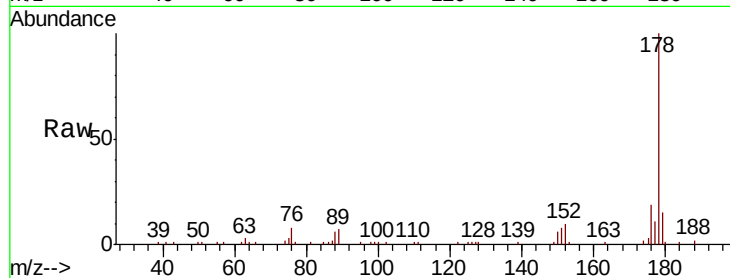




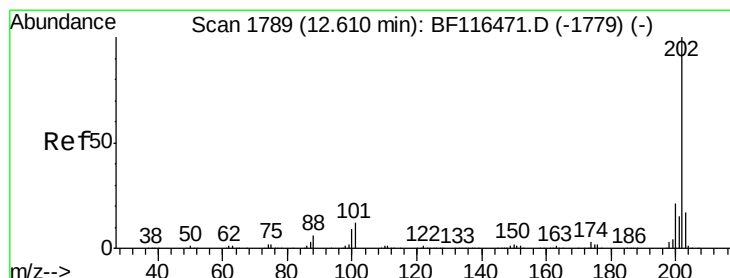
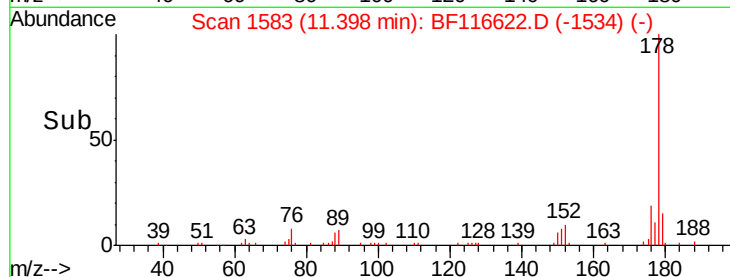
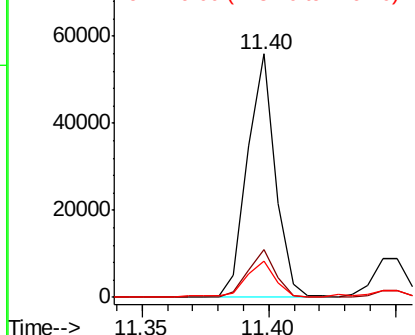
#71
Phenanthrene
Concen: 2.218 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF116622.D
Acq: 28 Aug 2019 18:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 42784
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.0 12.4 18.6

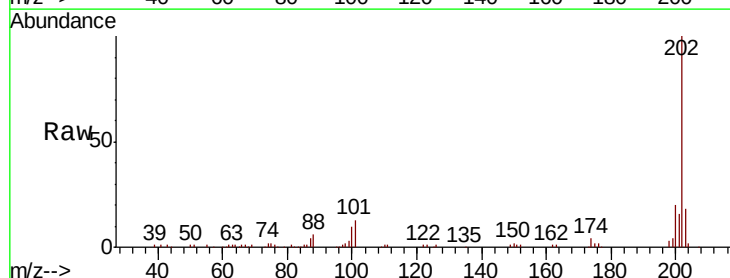


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

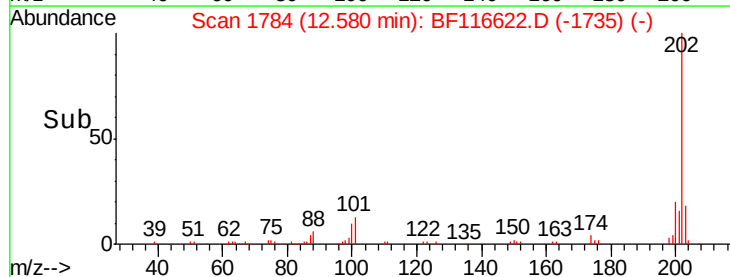
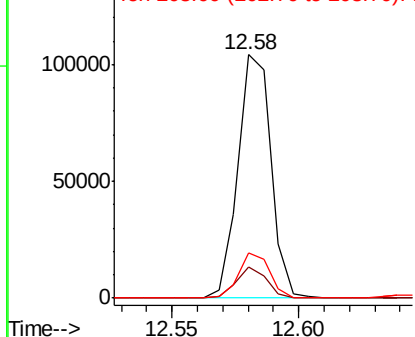


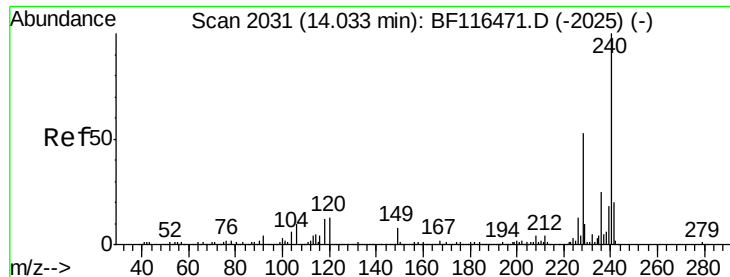
#75
Fluoranthene
Concen: 5.448 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BF116622.D
Acq: 28 Aug 2019 18:39

Tgt Ion:202 Resp: 94257
Ion Ratio Lower Upper
202 100
101 12.7 0.0 31.8
203 18.3 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

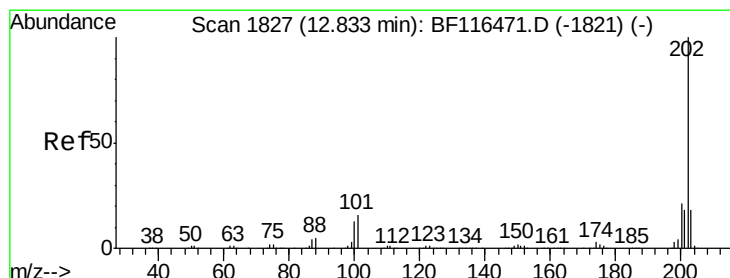
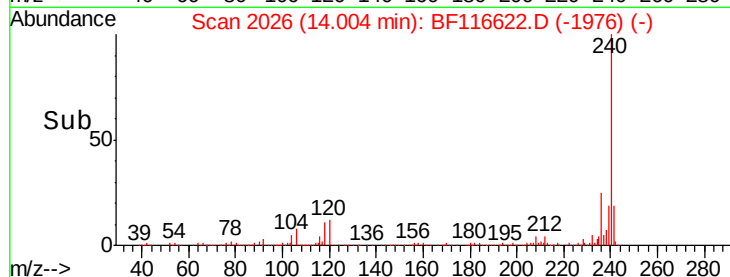
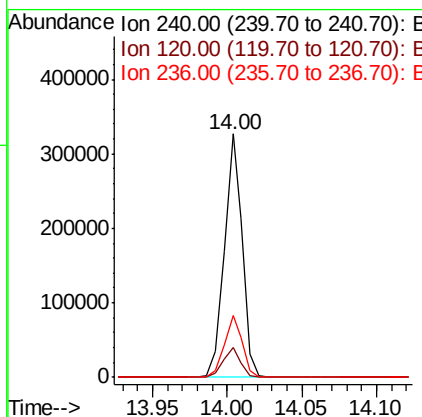
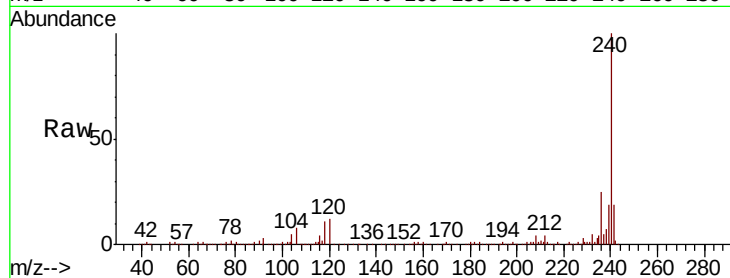




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116622.D
Acq: 28 Aug 2019 18:39

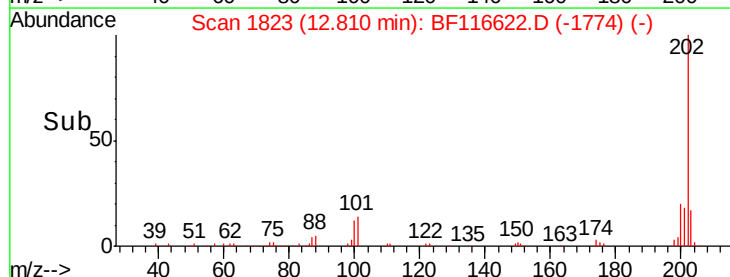
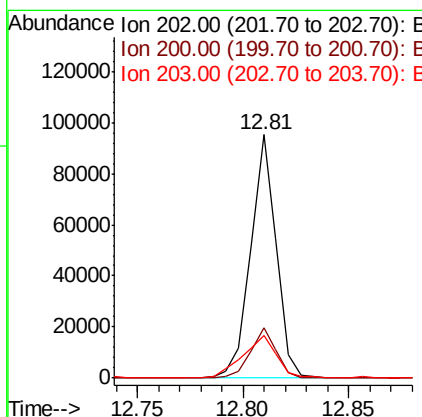
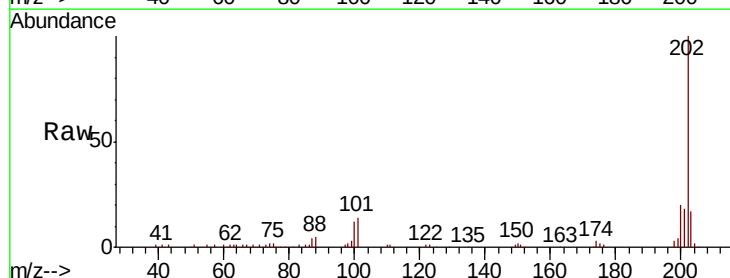
Instrument :
BNA_F
ClientSampleId :

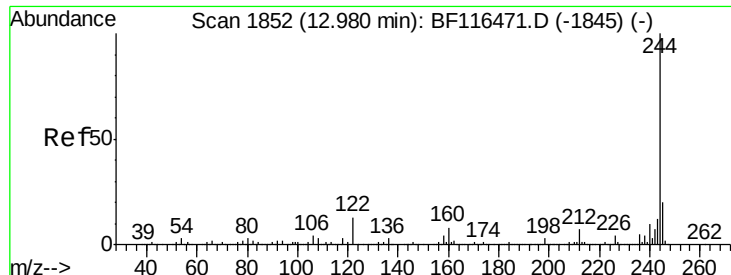
Tot Ion:240 Resp: 277047
Ion Ratio Lower Upper
240 100
120 12.2 11.3 16.9
236 25.5 21.4 32.2



#78
Pyrene
Concen: 3.159 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF116622.D
Acq: 28 Aug 2019 18:39

Tgt Ion:202 Resp: 80485
Ion Ratio Lower Upper
202 100
200 20.5 17.4 26.0
203 17.4 14.2 21.4





#79

Terphenyl-d14

Concen: 65.476 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BF116622.D

Acq: 28 Aug 2019 18:39

Instrument :

BNA_F

ClientSampleId :

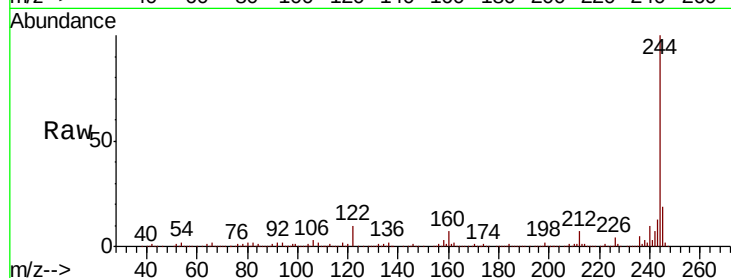
Tot Ion:244 Resp: 1115375

Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

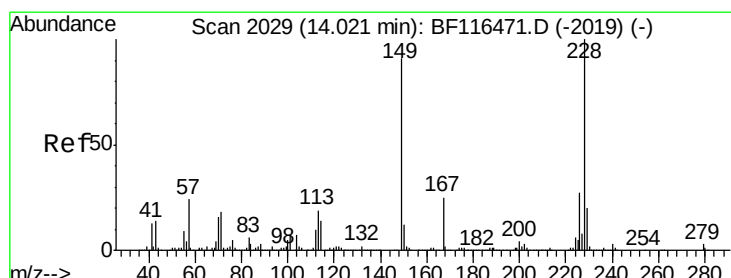
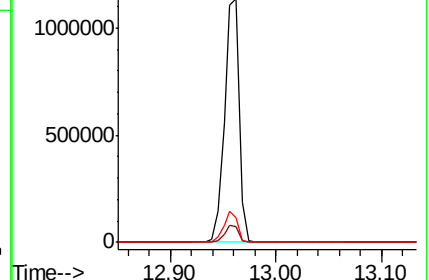
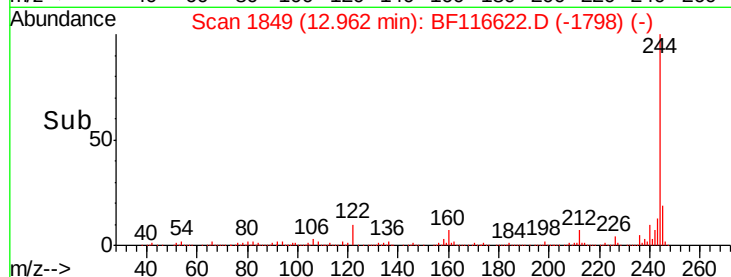
122 10.1 10.0 15.0



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: 2.109 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116622.D

Acq: 28 Aug 2019 18:39

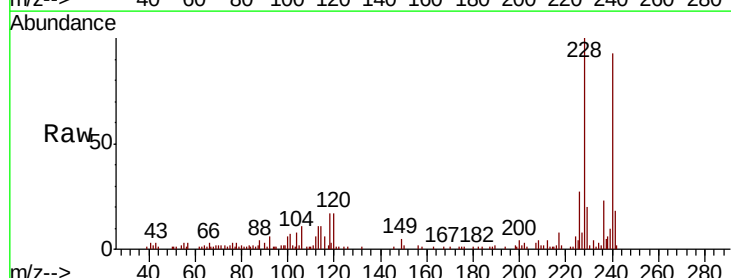
Tgt Ion:228 Resp: 38956

Ion Ratio Lower Upper

228 100

226 26.7 21.5 32.3

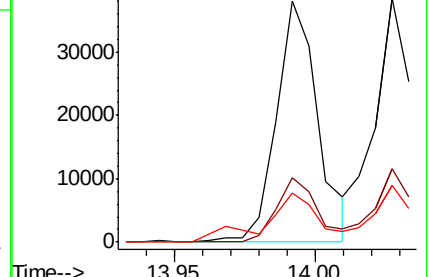
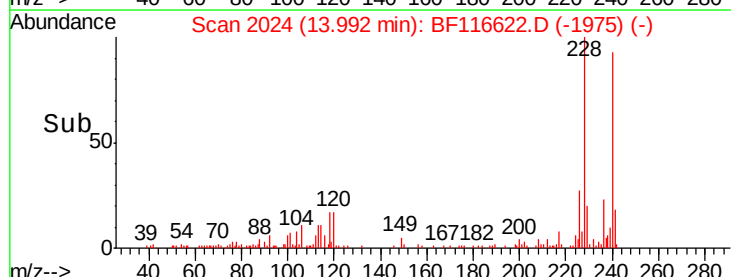
229 20.5 15.4 23.0

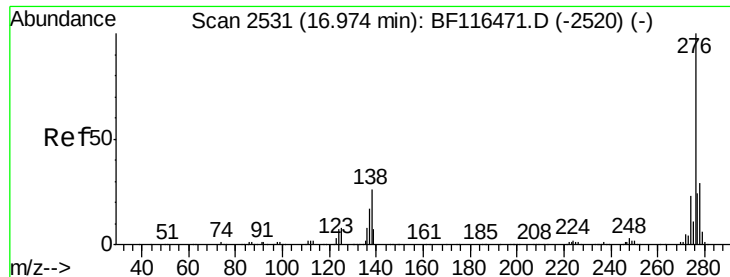


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

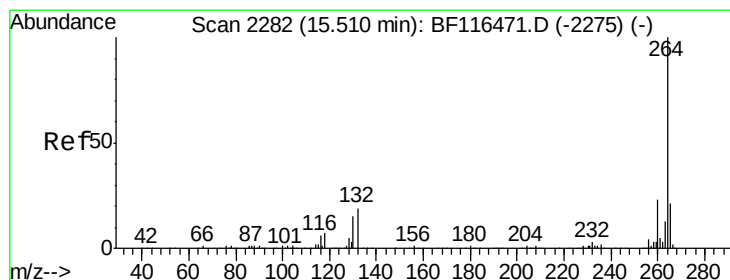
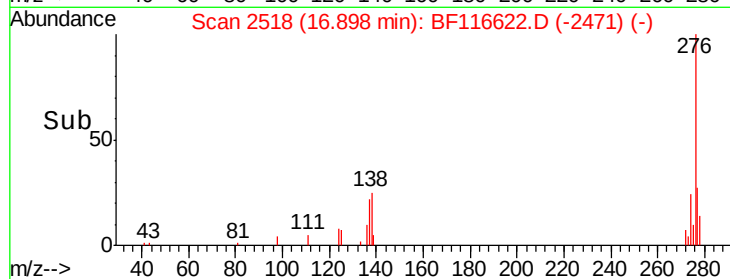
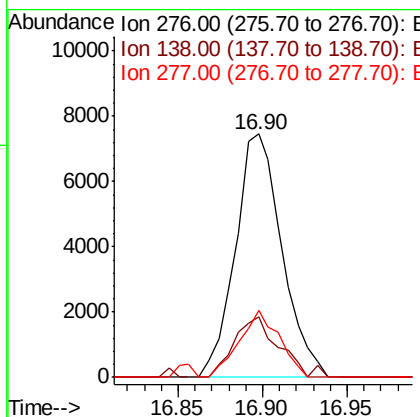
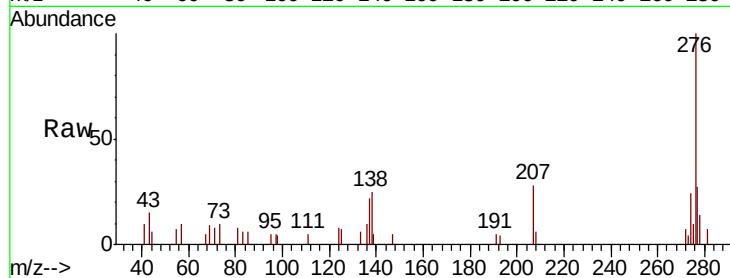




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.803 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BF116622.D
 Acq: 28 Aug 2019 18:39

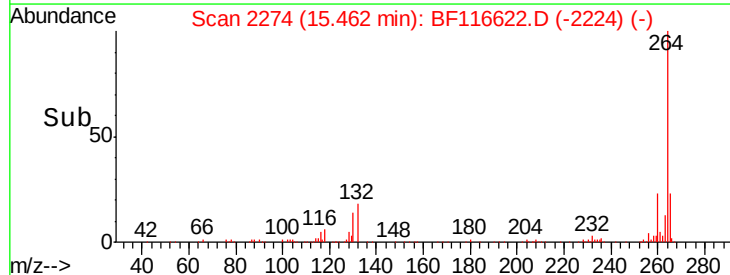
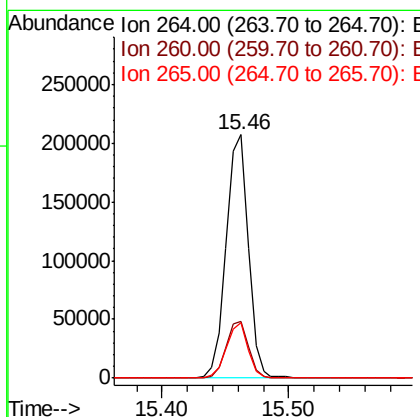
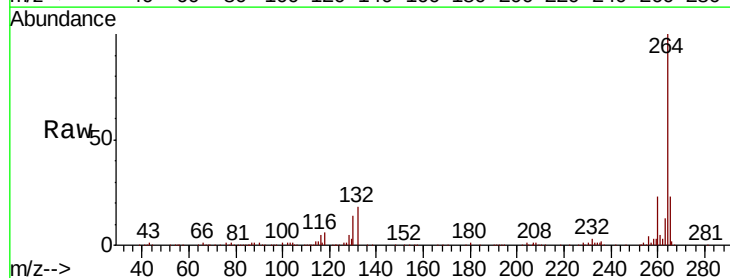
Instrument :
 BNA_F
 ClientSampleId :

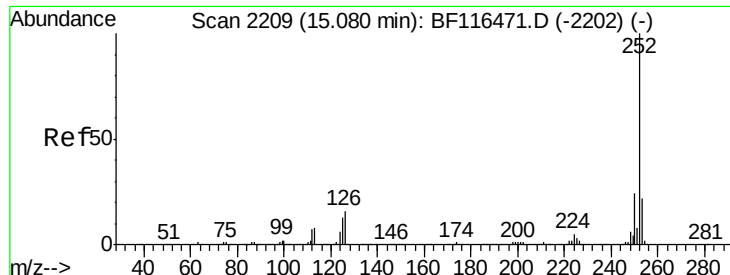
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.1	21.5	32.3
277	23.6	20.0	30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BF116622.D
 Acq: 28 Aug 2019 18:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	20.0	30.0
265	22.6	17.6	26.4

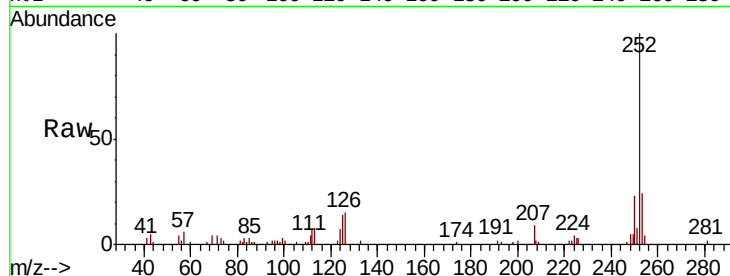




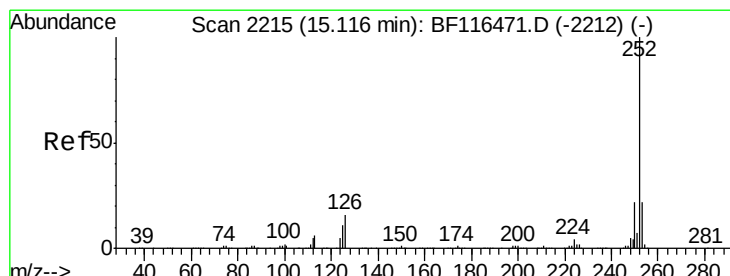
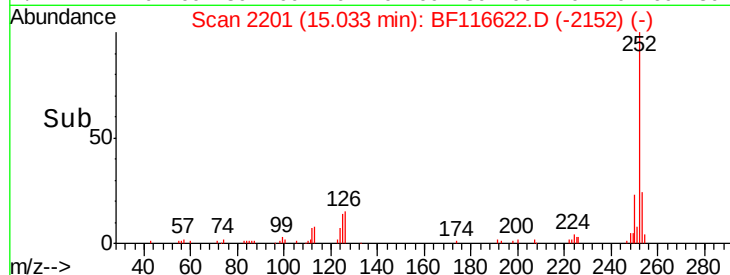
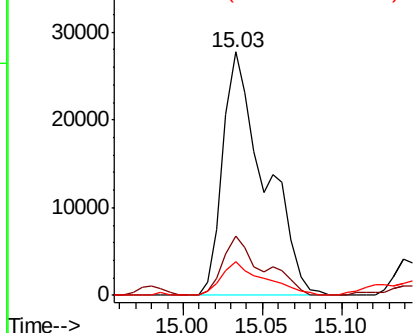
#88
Benzo(b)fluoranthene
Concen: 3.314 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF116622.D
Acq: 28 Aug 2019 18:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.3	25.9
125	13.7	9.0	13.6#

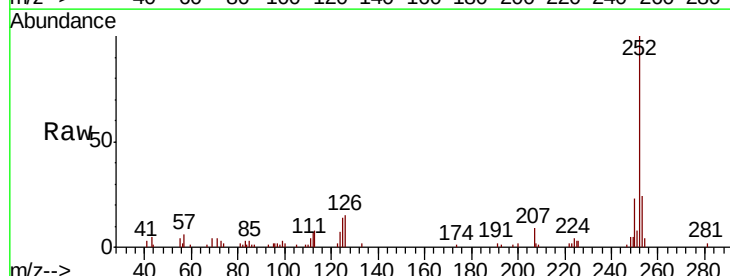


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 3.486 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF116622.D
Acq: 28 Aug 2019 18:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.2	25.8
125	13.7	8.6	13.0#



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

