

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116627.D
 Acq On : 28 Aug 2019 20:56
 Operator : HP/JU
 Sample : K4567-15
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 29 01:06:00 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	102795	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	390478	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	201131	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	354624	20.00	ng	0.00
76) Chrysene-d12	14.00	240	194787	20.00	ng	0.00
87) Perylene-d12	15.46	264	224778	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	679245	114.13	ng	0.00
7) Phenol-d6	6.49	99	898805	111.39	ng	0.00
23) Nitrobenzene-d5	7.42	82	542296	79.47	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	191979	100.30	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	749361	62.00	ng	0.00
79) Terphenyl-d14	12.96	244	774019	64.63	ng	0.00

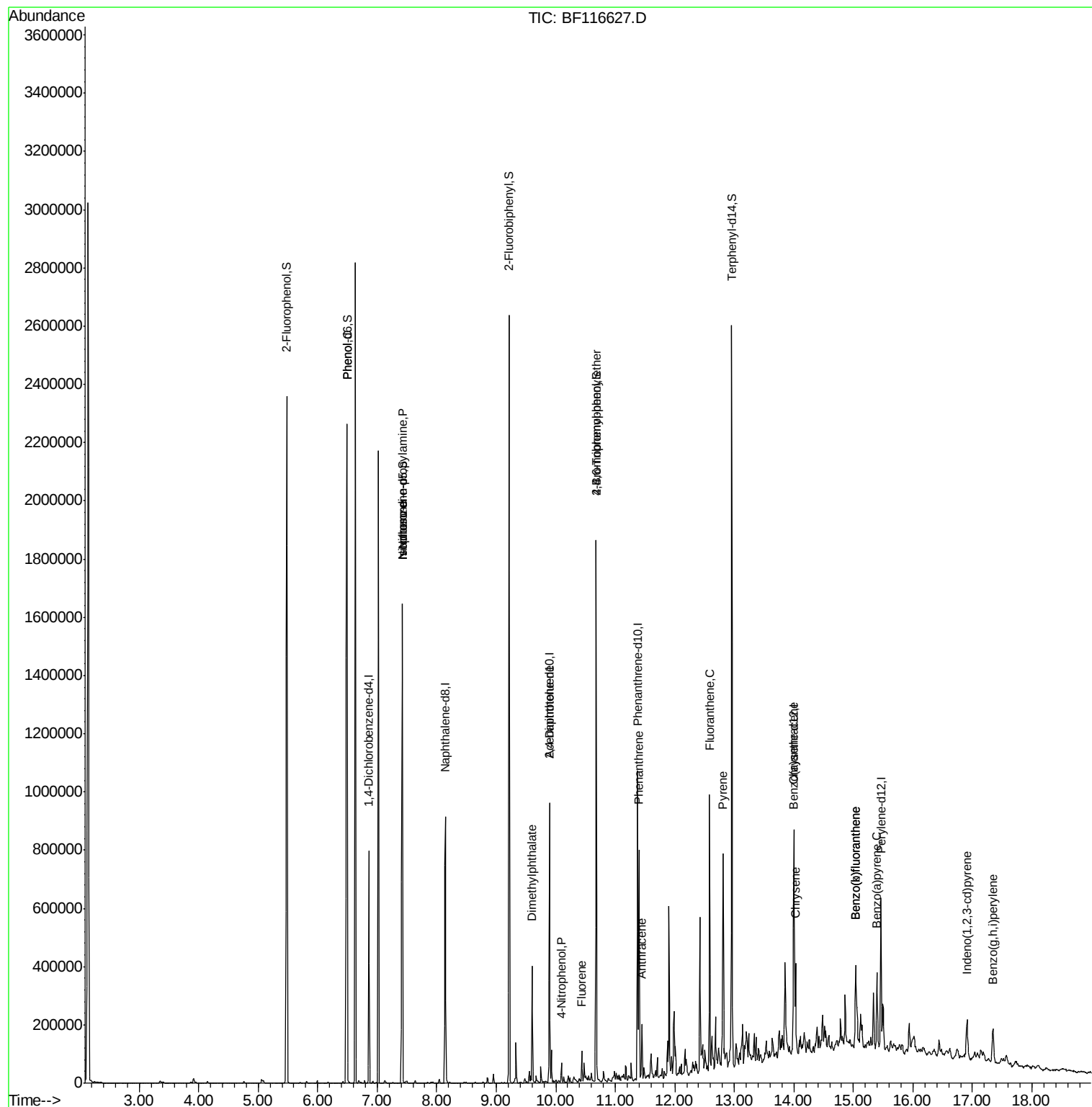
Target Compounds				Qvalue		
9) Benzaldehyde	6.49	77	1733	Below Cal	#	1
10) Phenol	6.50	94	36945	4.174	ng	94
19) n-Nitroso-di-n-propylamine	7.42	70	72928	14.213	ng	# 77
25) Isophorone	7.42	82	540294	43.492	ng	# 65
50) Dimethylphthalate	9.60	163	135852	10.047	ng	100
56) 4-Nitrophenol	10.10	139	6257	2.312	ng	# 13
57) 2,4-Dinitrotoluene	9.90	165	25828	6.565	ng	# 27
58) Fluorene	10.44	166	28258	2.336	ng	98
67) 4-Bromophenyl-phenylether	10.68	248	12853	3.417	ng	# 1
71) Phenanthrene	11.40	178	261877	13.749	ng	99
72) Anthracene	11.45	178	63029	3.309	ng	98
75) Fluoranthene	12.59	202	345246	20.210	ng	99
78) Pvrene	12.82	202	311616	17.398	ng	99
81) Benzo(a)anthracene	13.99	228	128752	9.914	ng	94
83) Chrysene	14.03	228	121374	9.547	ng	96
86) Indeno(1,2,3-cd)pyrene	16.90	276	89979	12.238	ng	97
88) Benzo(b)fluoranthene	15.04	252	204446	14.811	ng	98
89) Benzo(k)fluoranthene	15.04	252	204446	15.582	ng	97
90) Benzo(a)pvrene	15.40	252	123175	9.998	ng	99
92) Benzo(a,h,i)perylene	17.34	276	82626	6.913	ng	96

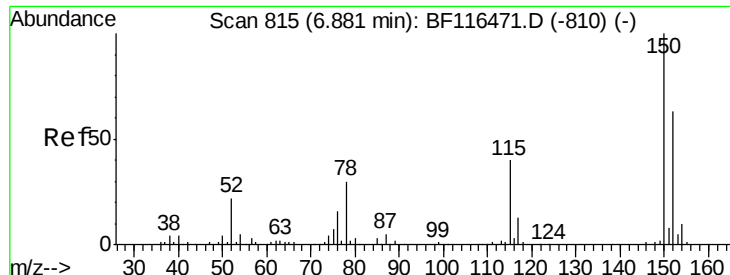
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
Data File : BF116627.D
Acq On : 28 Aug 2019 20:56
Operator : HP/JU
Sample : K4567-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 29 01:06:00 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



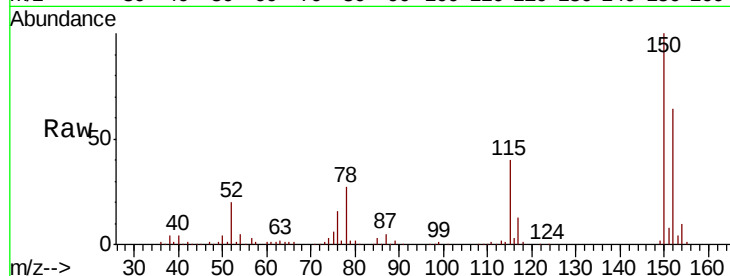


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.4	185.2
115	62.3	48.2	72.2

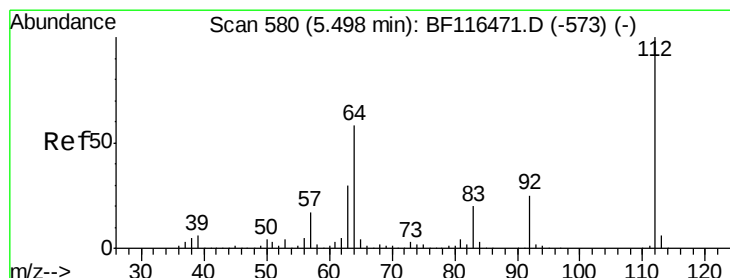
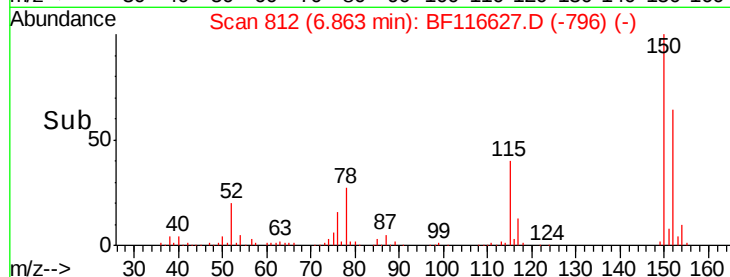
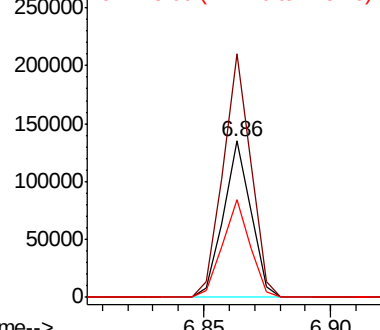


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

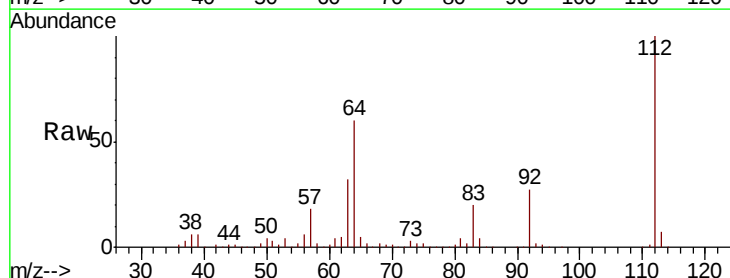
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 114.131 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	48.0	72.0
63	31.5	24.6	36.8

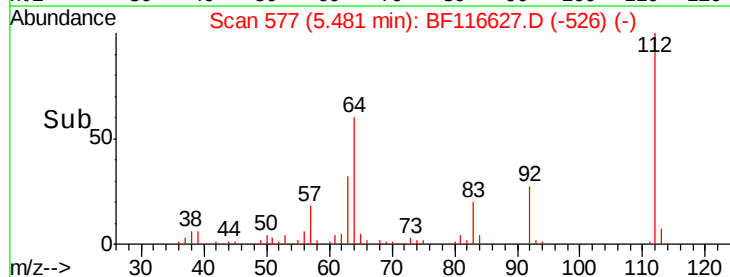
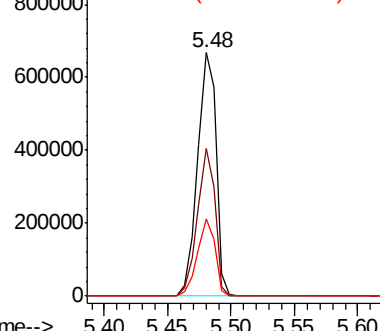


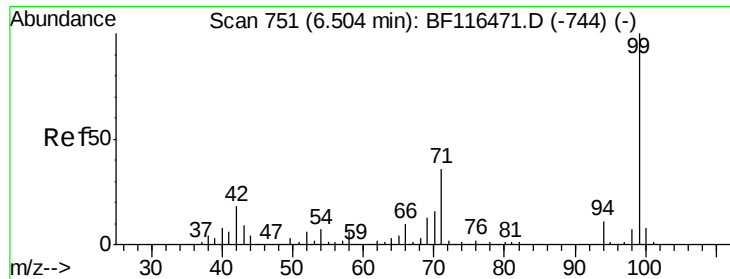
Abundance

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: 111.395 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

Instrument :

BNA_F

ClientSampleId :

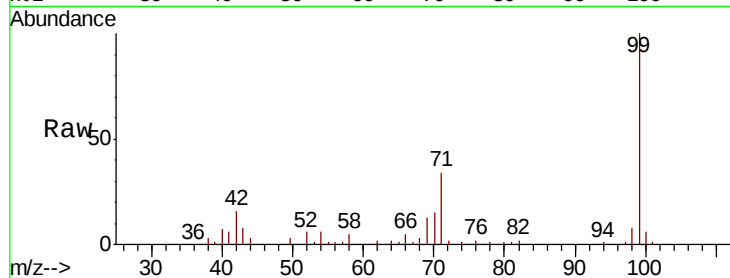
Tot Ion: 99 Resp: 898805

Ion Ratio Lower Upper

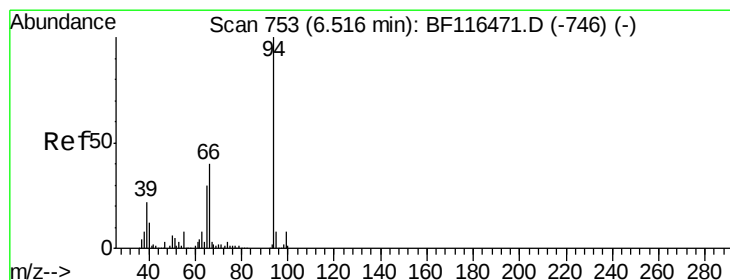
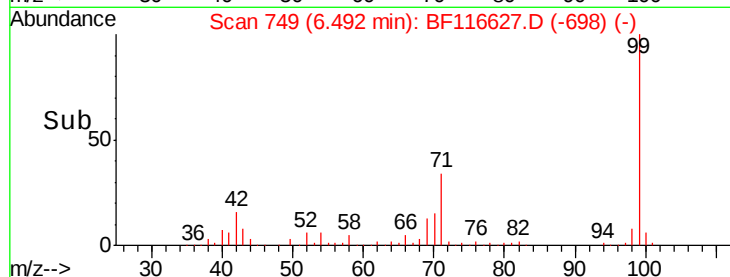
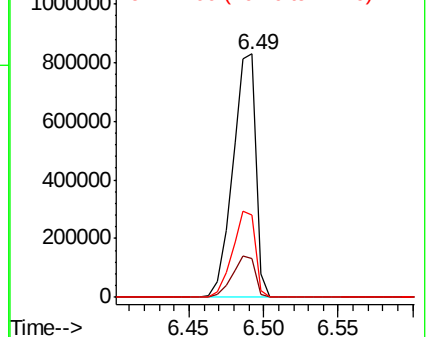
99 100

42 16.0 13.2 19.8

71 33.9 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: 4.174 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

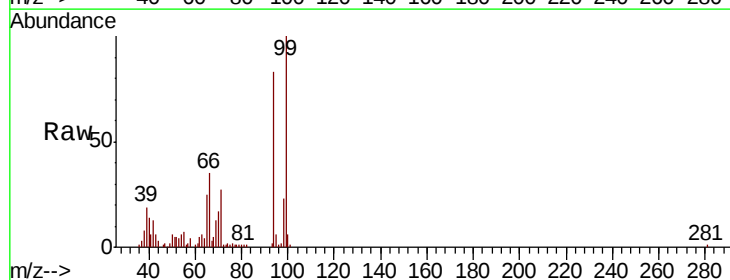
Tgt Ion: 94 Resp: 36945

Ion Ratio Lower Upper

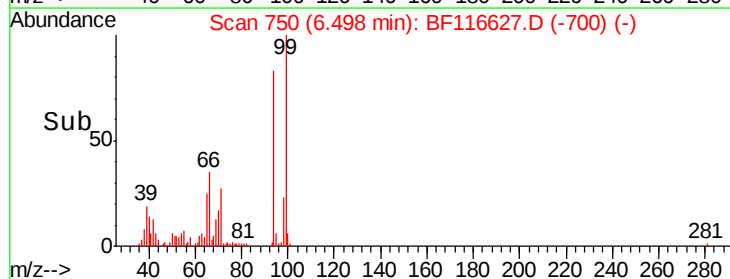
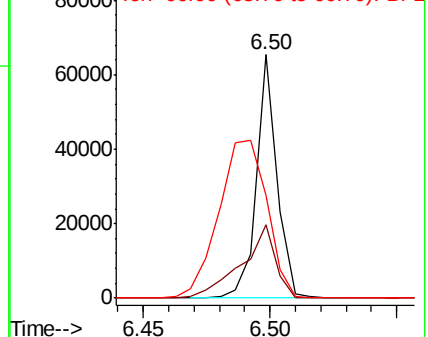
94 100

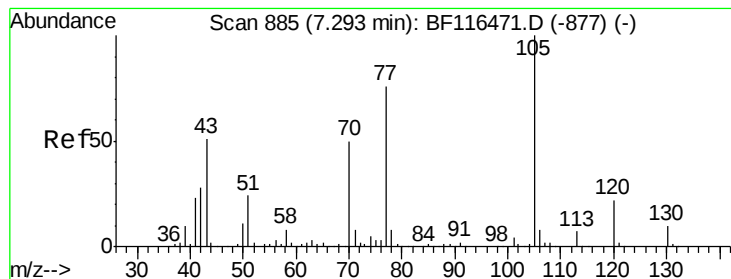
65 30.4 8.6 48.6

66 42.4 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: 14.213 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 72928

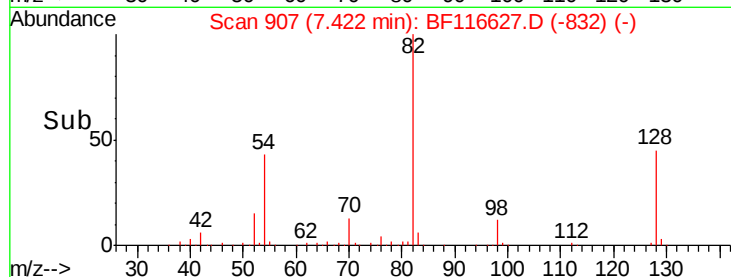
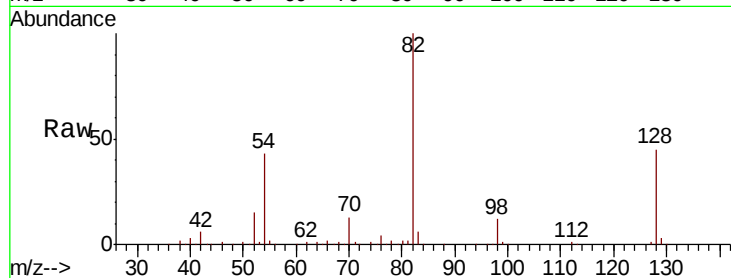
Ion Ratio Lower Upper

70 100

42 41.4 41.2 61.8

101 0.0 7.7 11.5#

130 2.0 17.9 26.9#

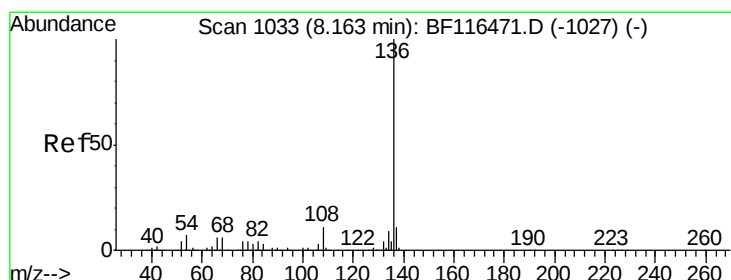
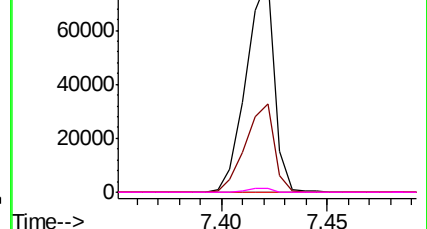


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

Tgt Ion: 136 Resp: 390478

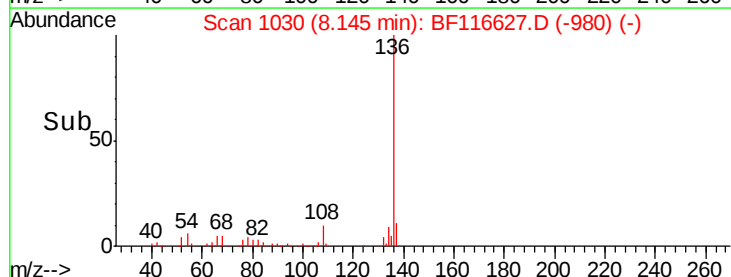
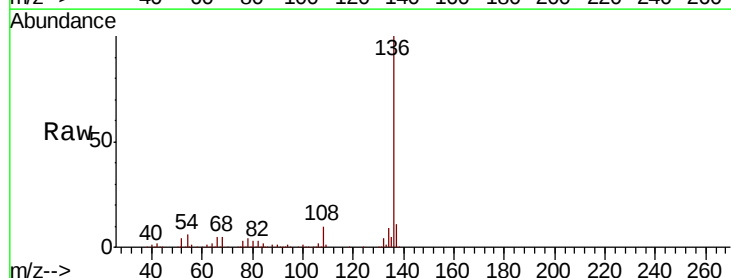
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 6.2 5.0 7.4

68 5.4 4.5 6.7

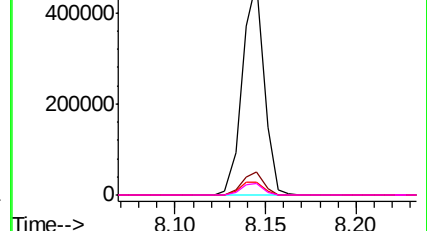


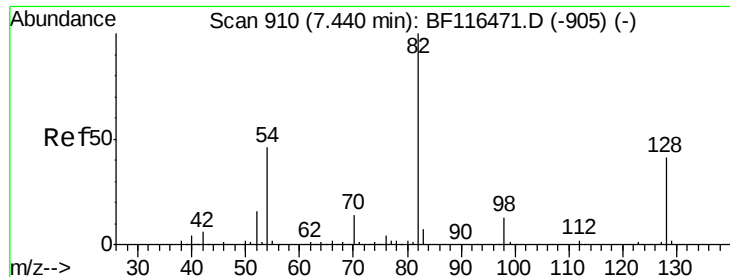
Abundance Ion 136.00 (135.70 to 136.70): E

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

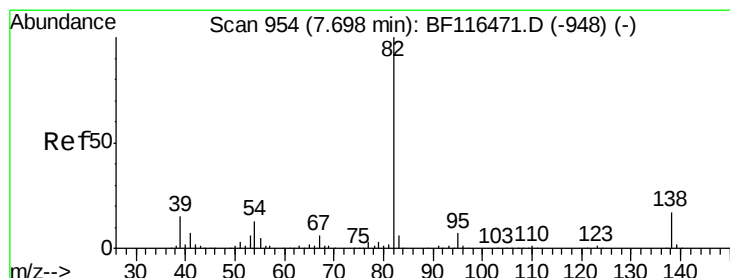
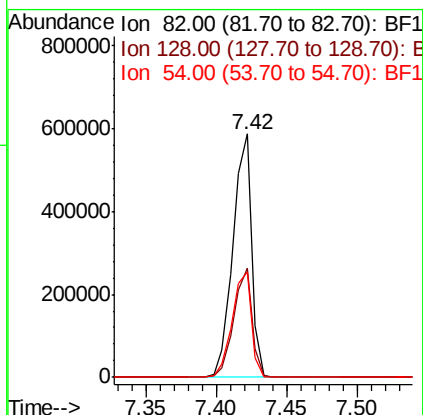
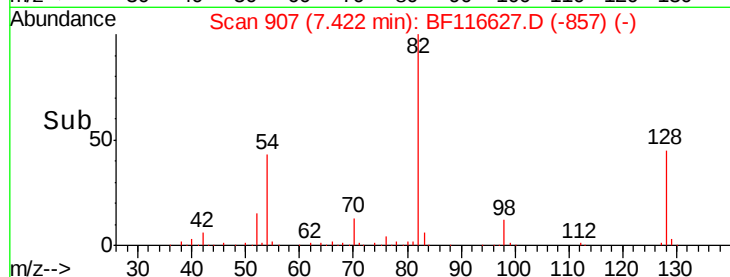
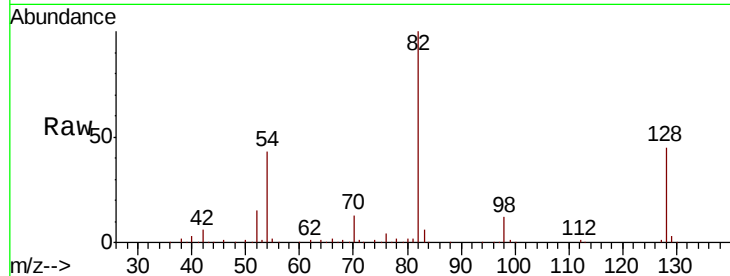




#23
Nitrobenzene-d5
Concen: 79.467 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

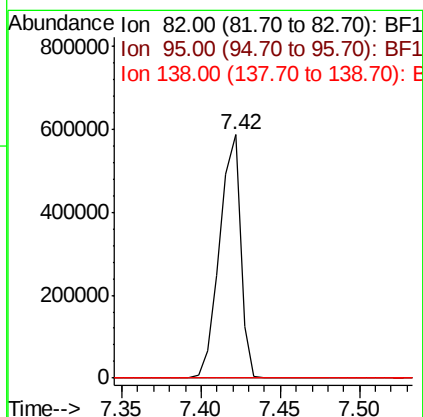
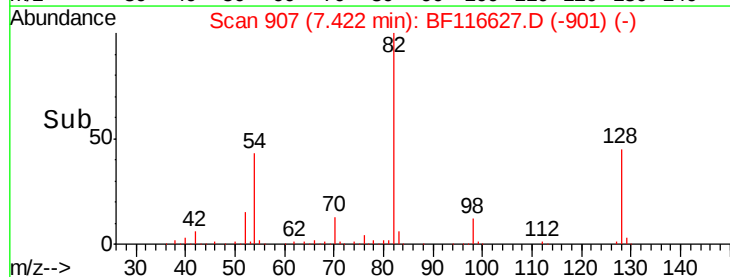
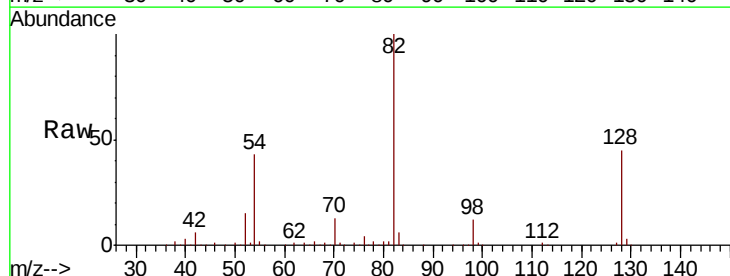
Instrument :
BNA_F
ClientSampleId :

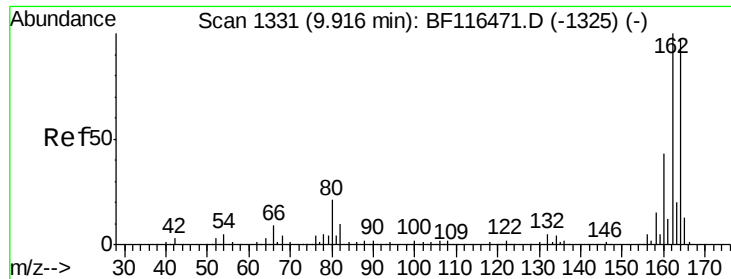
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.0	52.6
54	43.4	34.4	51.6



#25
Isophorone
Concen: 43.492 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.26 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

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: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

Instrument :

BNA_F

ClientSampleId :

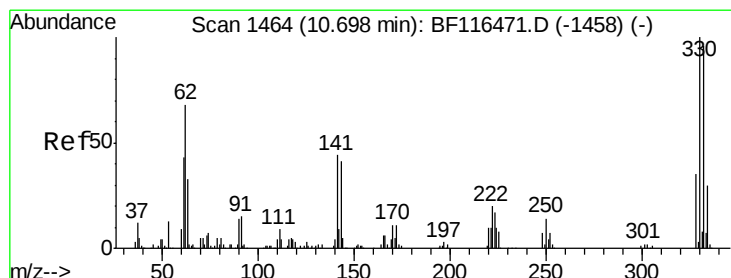
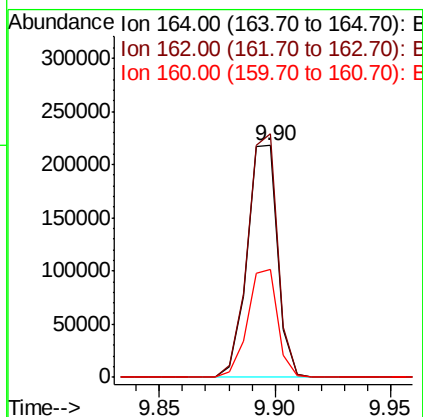
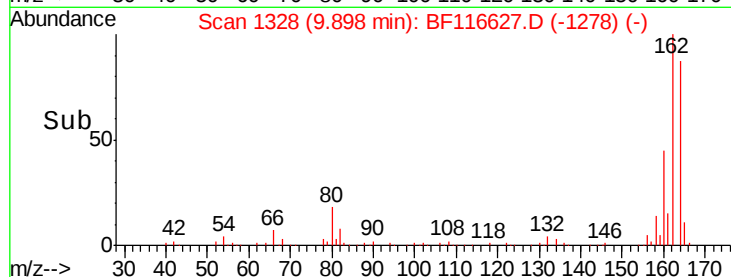
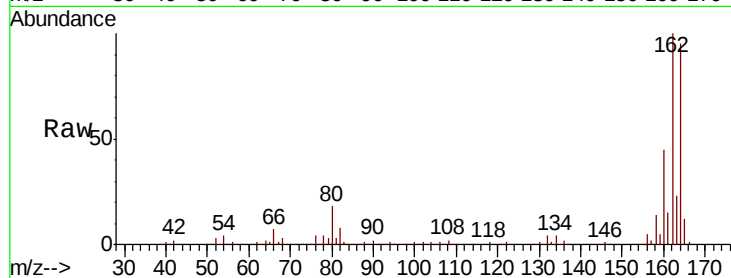
Tot Ion:164 Resp: 201131

Ion Ratio Lower Upper

164 100

162 105.0 83.4 125.0

160 46.8 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 100.303 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

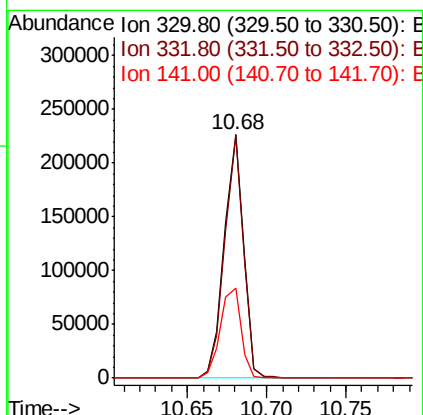
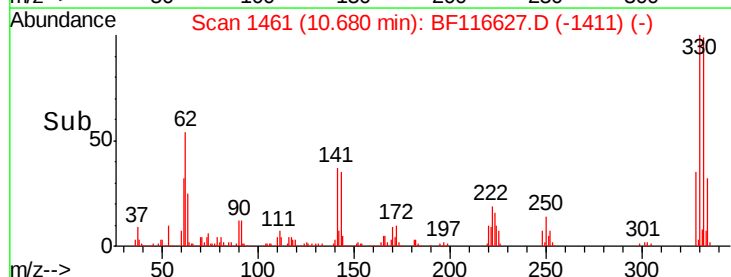
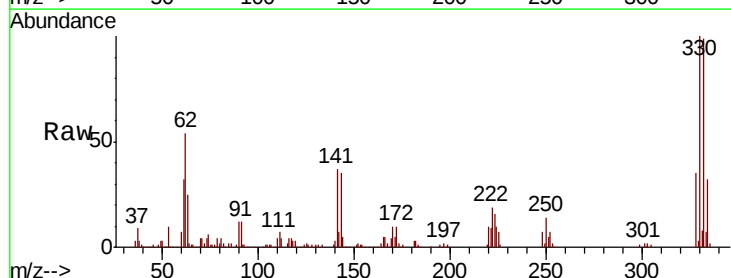
Tgt Ion:330 Resp: 191979

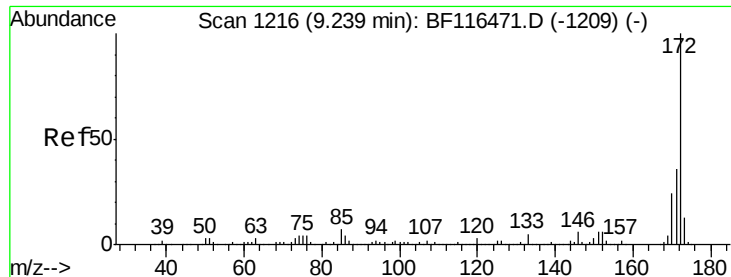
Ion Ratio Lower Upper

330 100

332 97.0 77.5 116.3

141 40.2 28.2 42.2

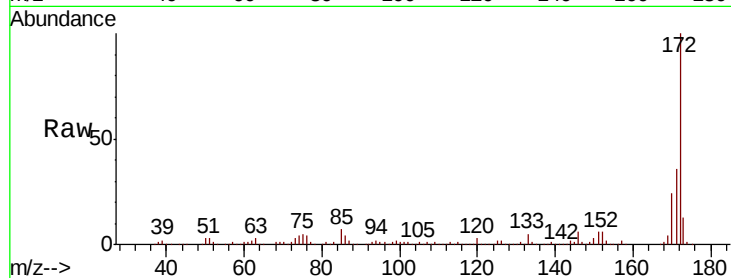




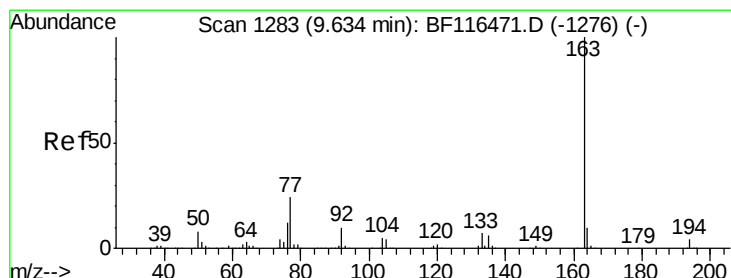
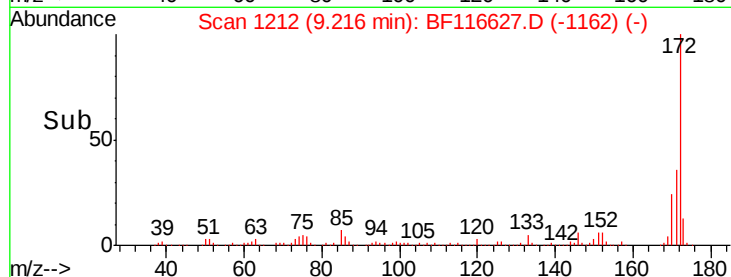
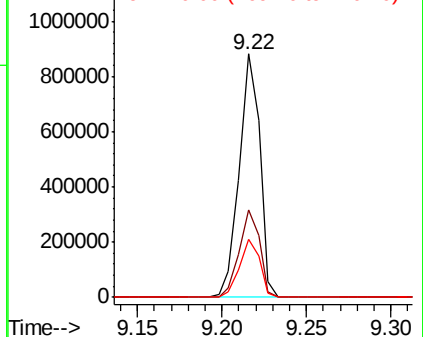
#45
 2-Fluorobiphenyl
 Concen: 62.004 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF116627.D
 Acq: 28 Aug 2019 20:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.6
170	23.6	19.3	28.9

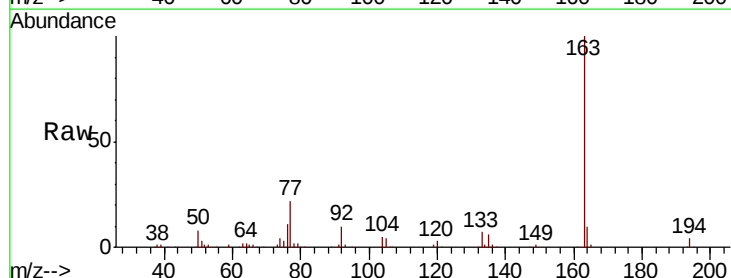


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

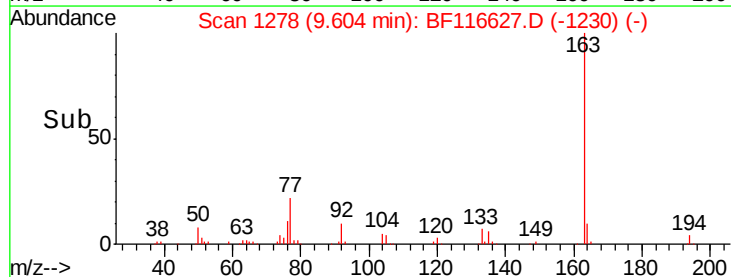
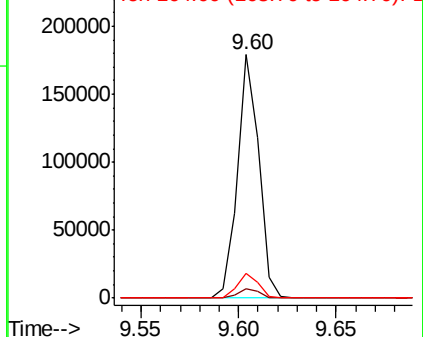


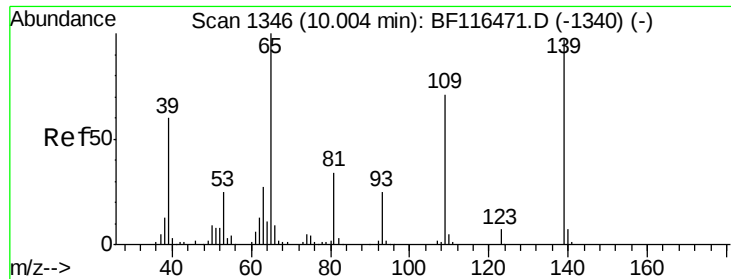
#50
 Dimethylphthalate
 Concen: 10.047 ng
 RT: 9.60 min Scan# 1278
 Delta R.T. -0.02 min
 Lab File: BF116627.D
 Acq: 28 Aug 2019 20:56

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.1	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

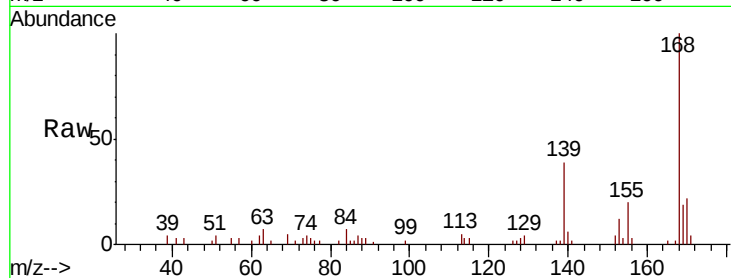




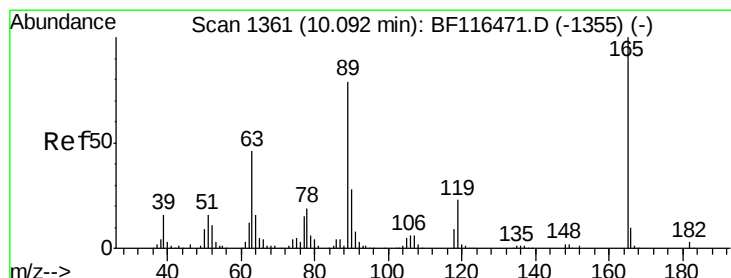
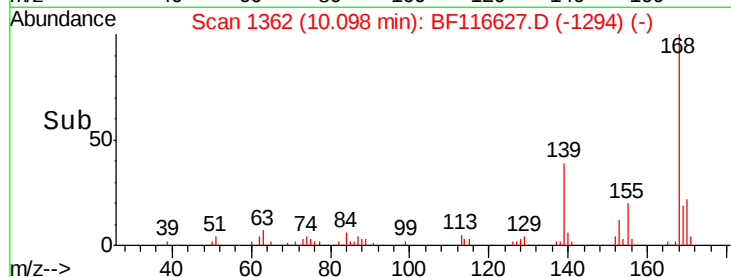
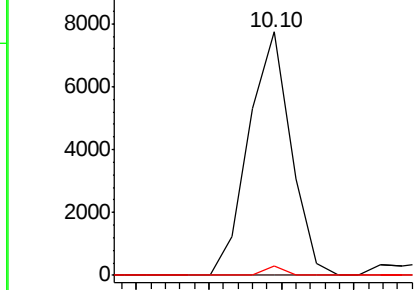
#56
4-Nitrophenol
Concen: 2.312 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.10 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 6257
Ion Ratio Lower Upper
139 100
109 0.0 45.5 85.5#
65 3.9 66.8 106.8#

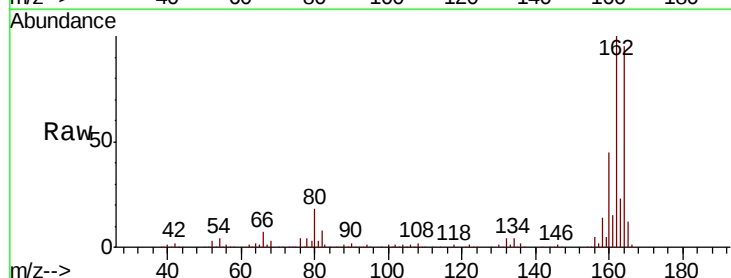


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

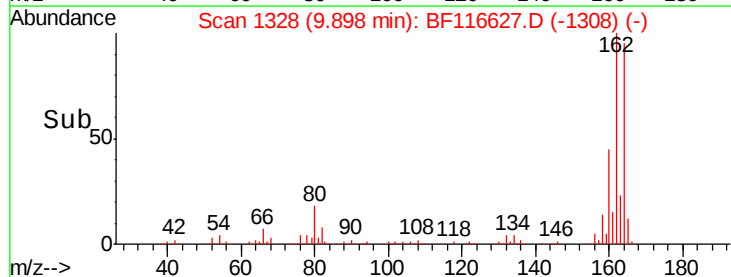
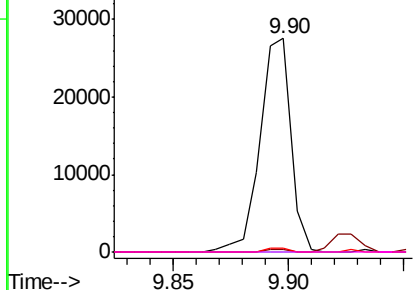


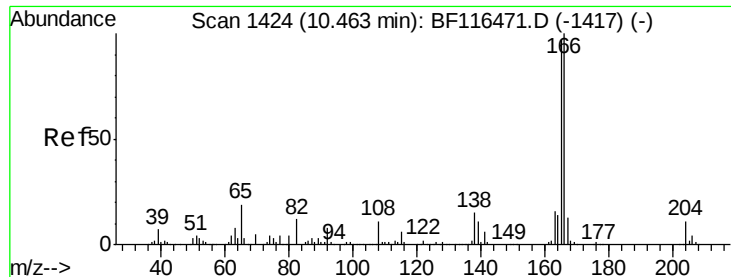
#57
2,4-Dinitrotoluene
Concen: 6.565 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.18 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Tgt Ion:165 Resp: 25828
Ion Ratio Lower Upper
165 100
63 1.5 30.9 46.3#
89 1.8 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

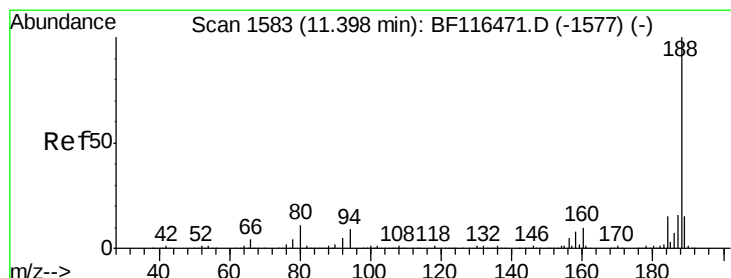
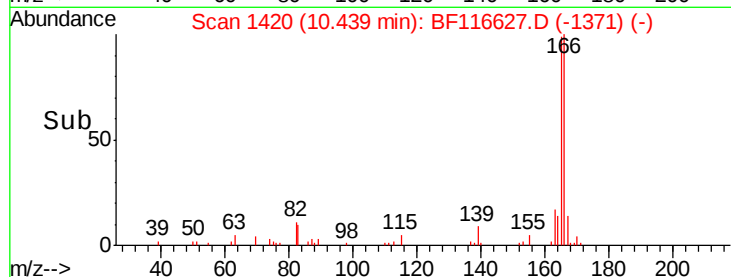
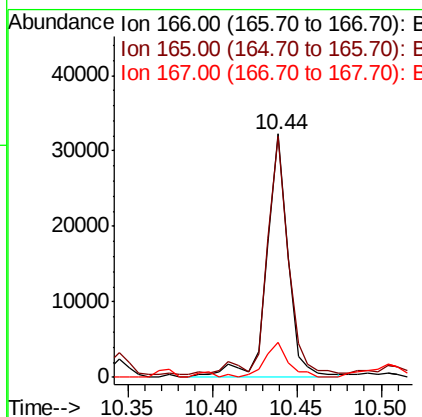
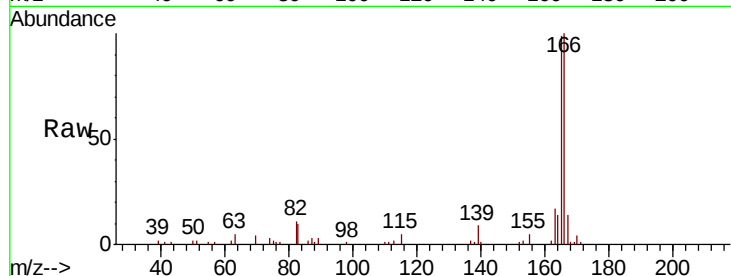




#58
 Fluorene
 Concen: 2.336 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF116627.D
 Acq: 28 Aug 2019 20:56

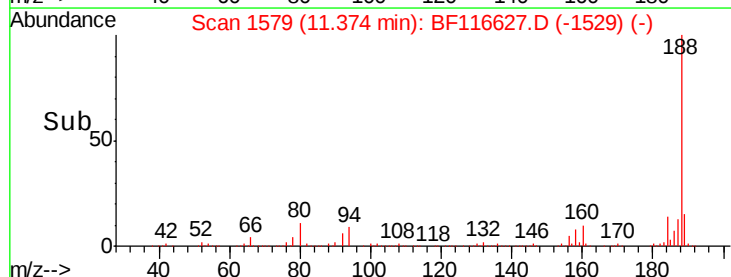
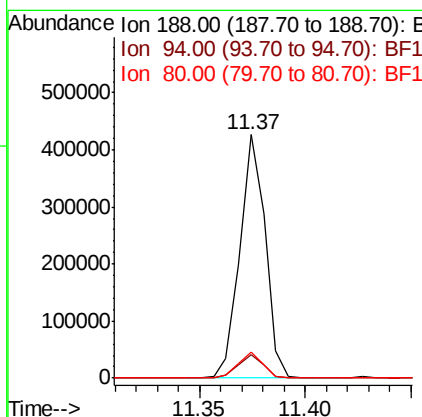
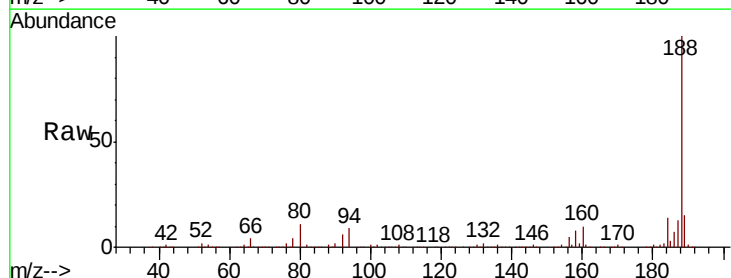
Instrument :
 BNA_F
 ClientSampleId :

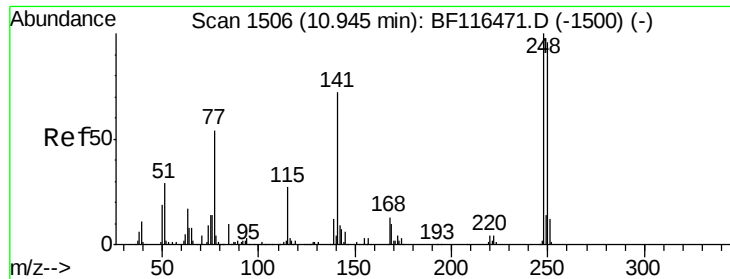
Tot Ion:166 Resp: 28258
 Ion Ratio Lower Upper
 166 100
 165 98.8 77.8 116.6
 167 14.5 10.6 16.0



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF116627.D
 Acq: 28 Aug 2019 20:56

Tgt Ion:188 Resp: 354624
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.2 12.4
 80 10.9 8.9 13.3

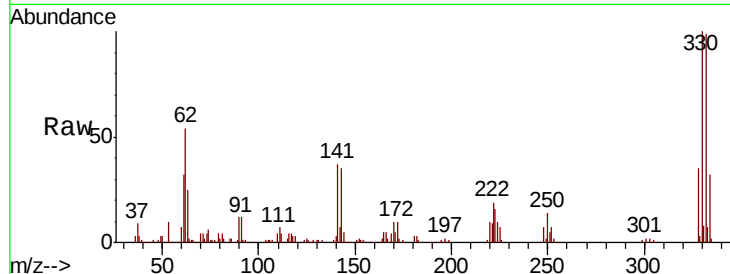




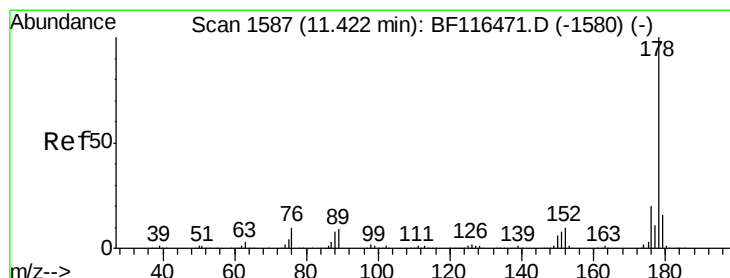
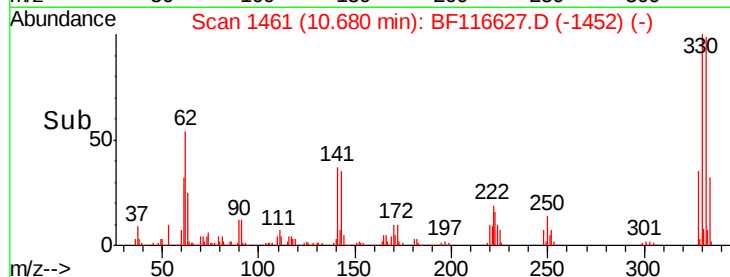
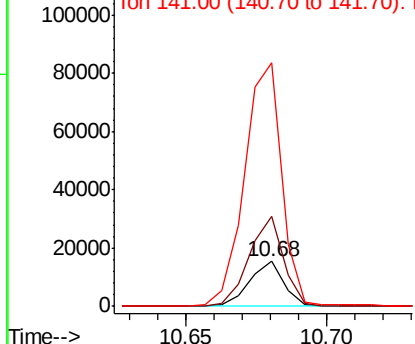
#67
 4-Bromophenyl-phenylether
 Concen: 3.417 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.25 min
 Lab File: BF116627.D
 Acq: 28 Aug 2019 20:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 12853
 Ion Ratio Lower Upper
 248 100
 250 200.1 76.6 115.0#
 141 540.2 60.8 91.2#

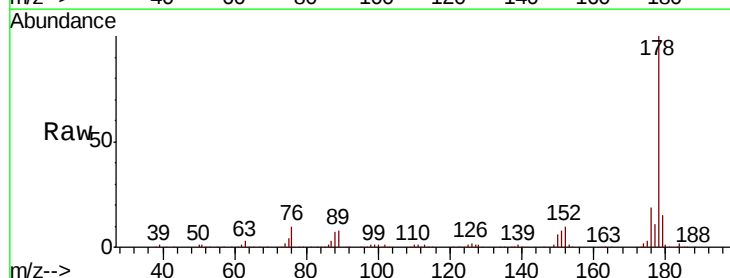


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

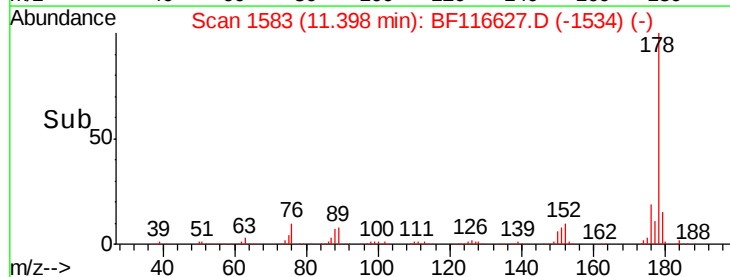
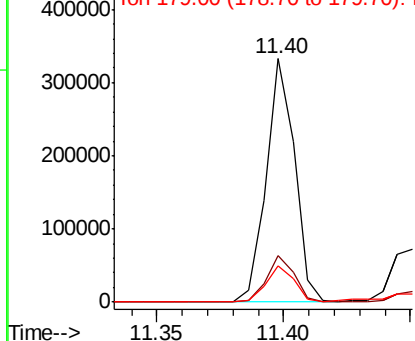


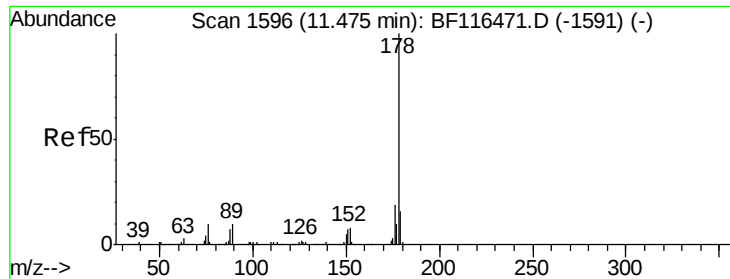
#71
 Phenanthrene
 Concen: 13.749 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF116627.D
 Acq: 28 Aug 2019 20:56

Tgt Ion:178 Resp: 261877
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.5 23.3
 179 15.1 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





#72

Anthracene

Concen: 3.309 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

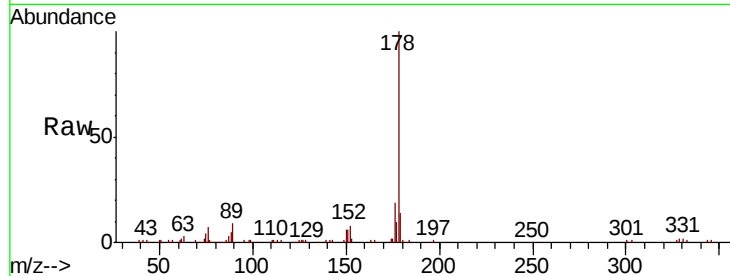
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 63029

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	14.4	12.7	19.1



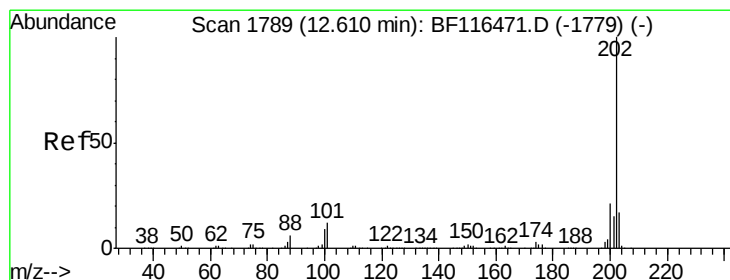
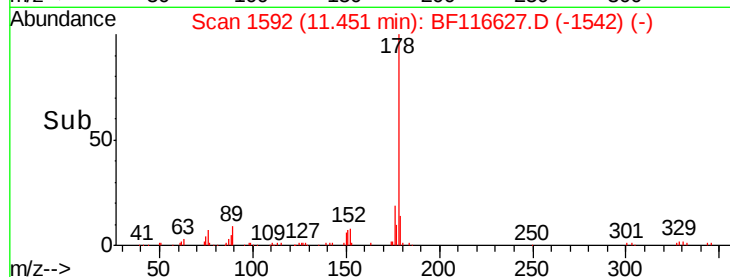
Abundance

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

Time-->



#75

Fluoranthene

Concen: 20.210 ng

RT: 12.59 min Scan# 1785

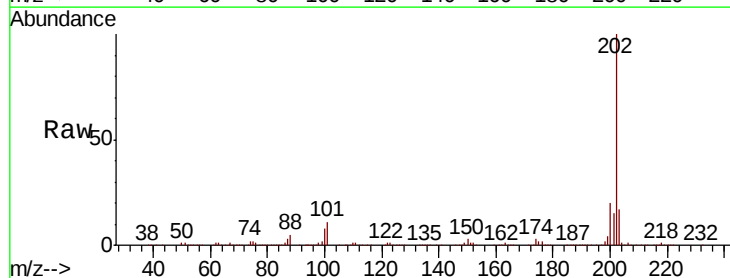
Delta R.T. -0.01 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

Tgt Ion:202 Resp: 345246

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.8
203	16.7	0.0	37.1



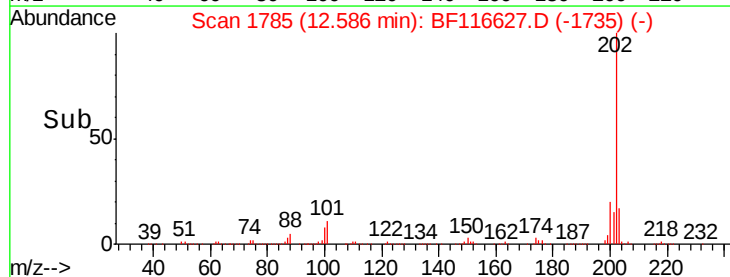
Abundance

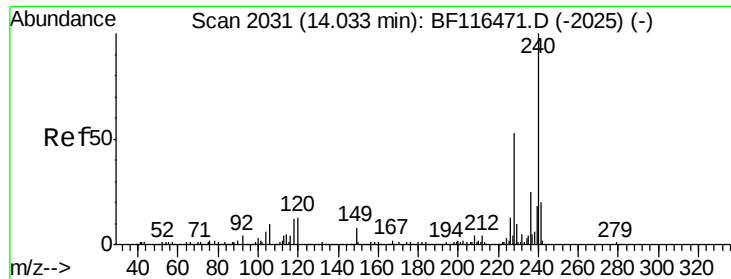
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

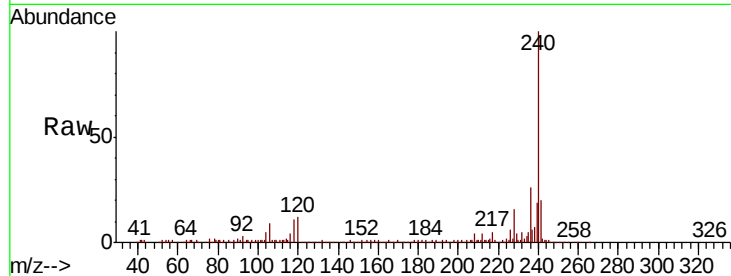
Instrument :

BNA_F

ClientSampleId :

Tot Ion:240 Resp: 194787

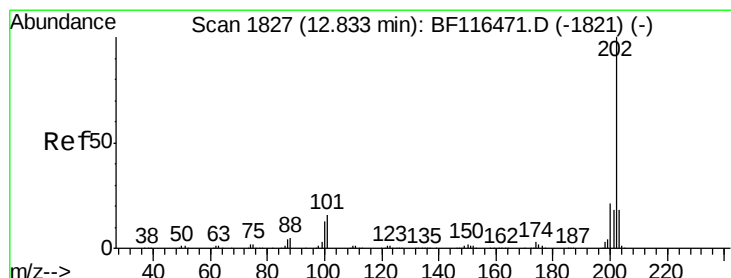
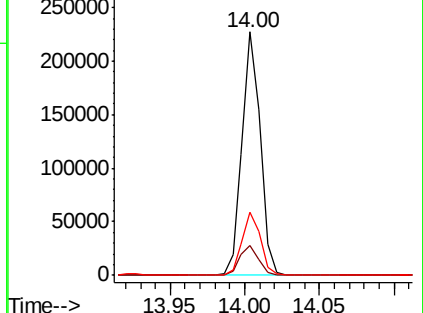
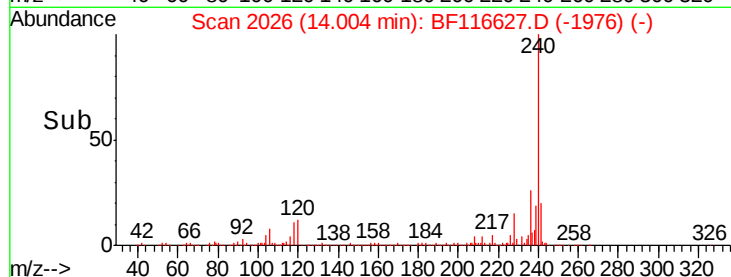
Ion	Ratio	Lower	Upper
240	100		
120	12.4	11.3	16.9
236	26.1	21.4	32.2



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

Pyrene

Concen: 17.398 ng

RT: 12.82 min Scan# 1824

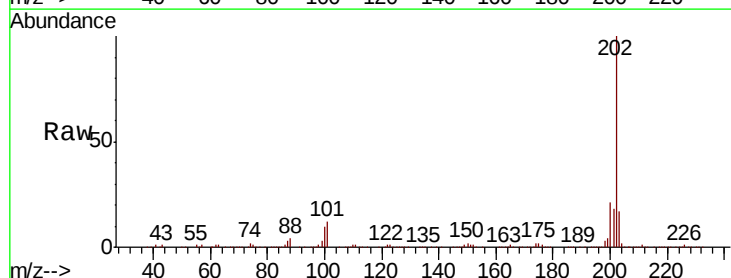
Delta R.T. -0.01 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

Tgt Ion:202 Resp: 311616

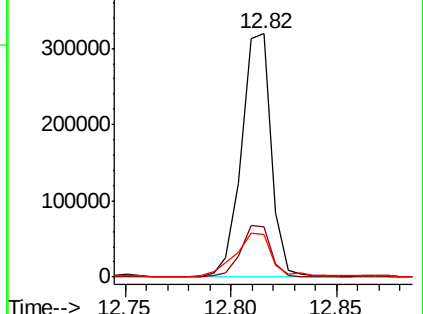
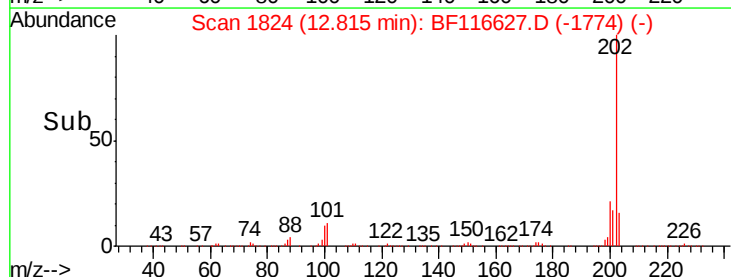
Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.0
203	17.5	14.2	21.4

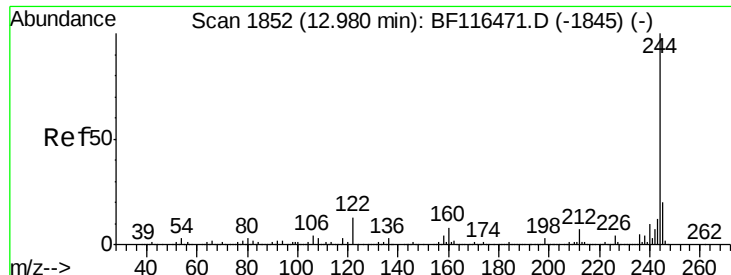


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 64.626 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

Instrument :

BNA_F

ClientSampled :

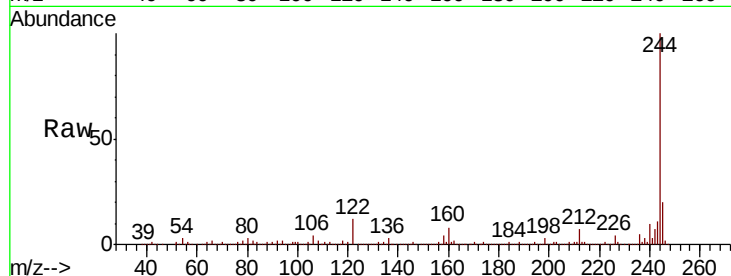
Tot Ion:244 Resp: 774019

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

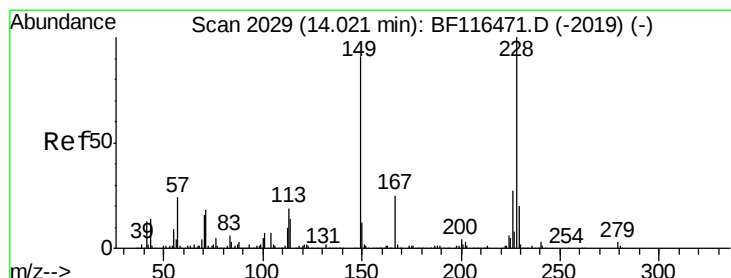
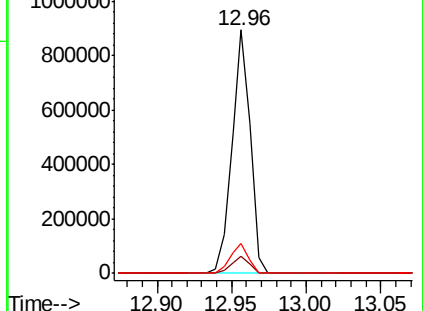
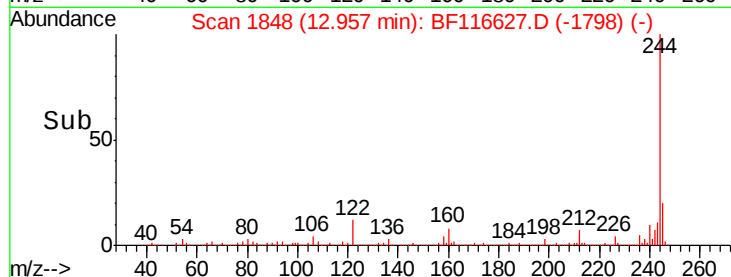
122 12.5 10.0 15.0



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: 9.914 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

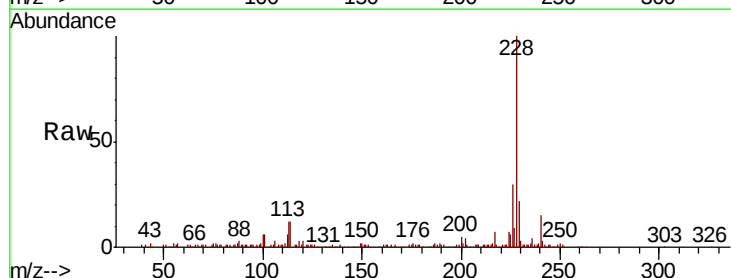
Tgt Ion:228 Resp: 128752

Ion Ratio Lower Upper

228 100

226 30.0 21.5 32.3

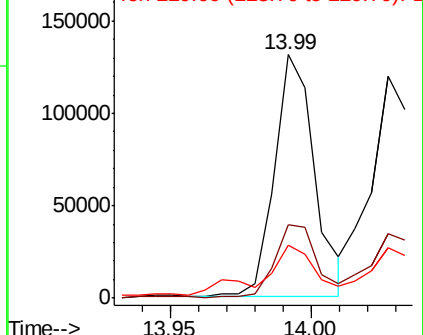
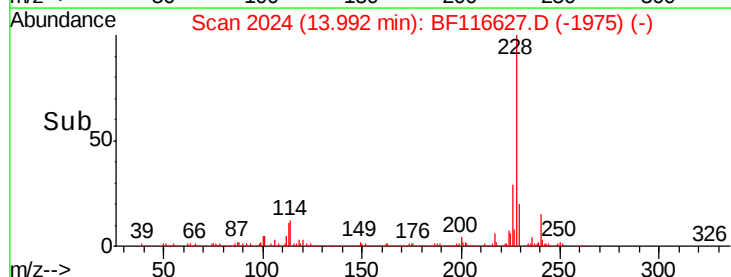
229 22.0 15.4 23.0

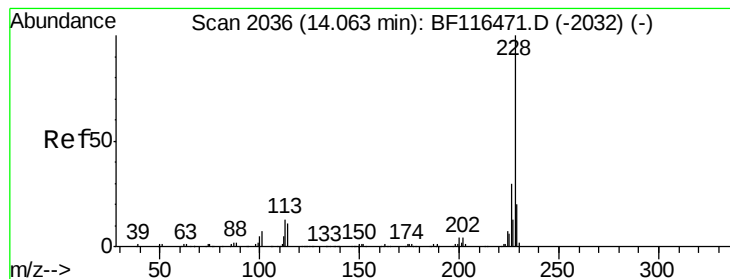


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 9.547 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

Instrument :

BNA_F

ClientSampleId :

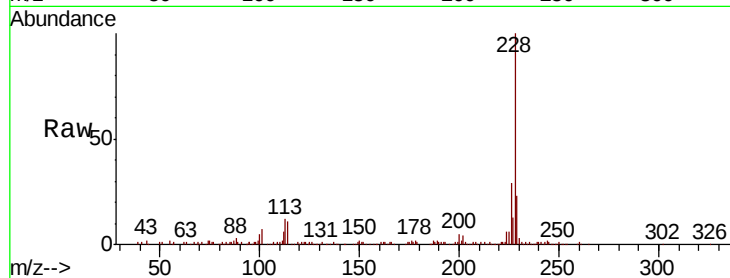
Tot Ion:228 Resp: 121374

Ion Ratio Lower Upper

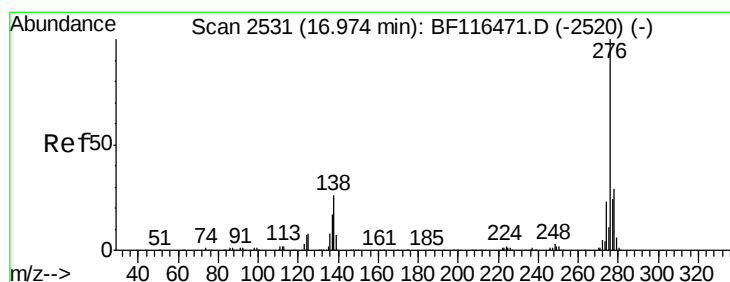
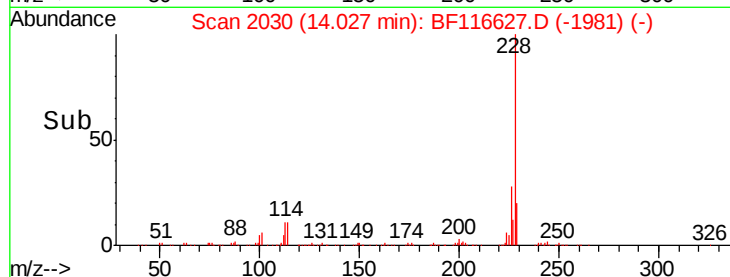
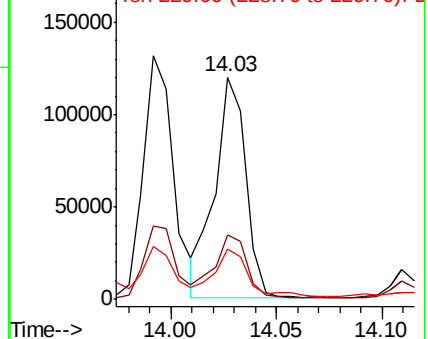
228 100

226 28.9 24.0 36.0

229 22.5 15.8 23.8



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: 12.238 ng

RT: 16.90 min Scan# 2519

Delta R.T. -0.02 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

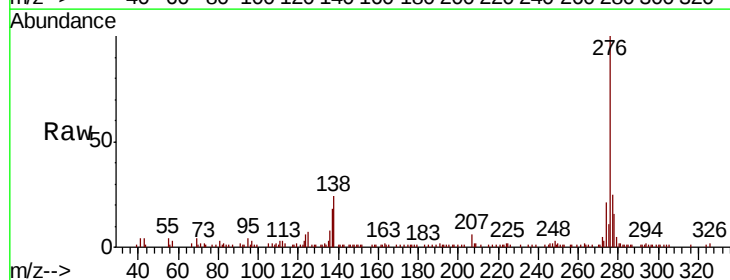
Tgt Ion:276 Resp: 89979

Ion Ratio Lower Upper

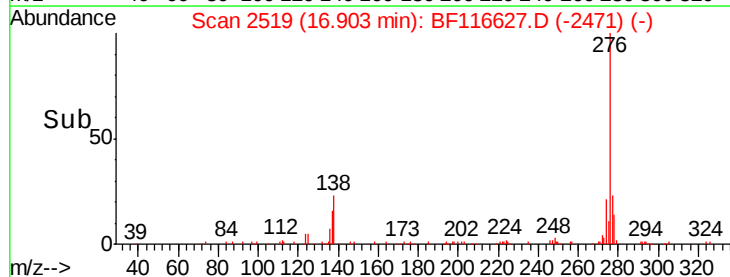
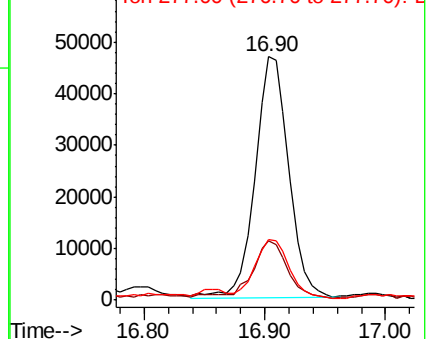
276 100

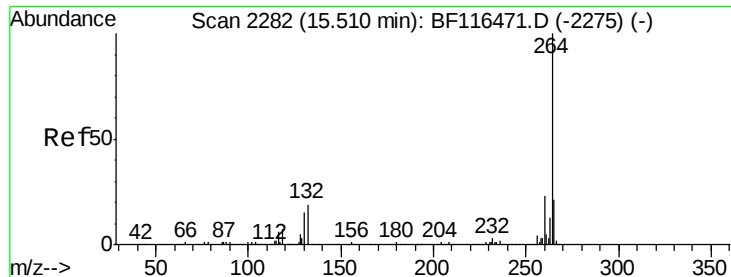
138 24.0 21.5 32.3

277 25.1 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

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

Instrument :

BNA_F

ClientSampled :

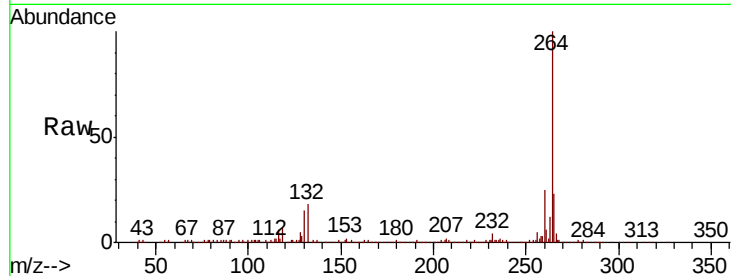
Tot Ion:264 Resp: 224778

Ion Ratio Lower Upper

264 100

260 24.9 20.0 30.0

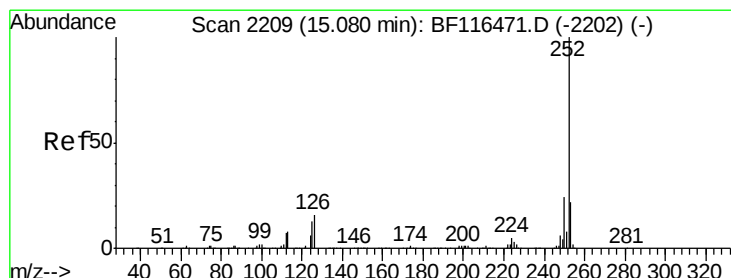
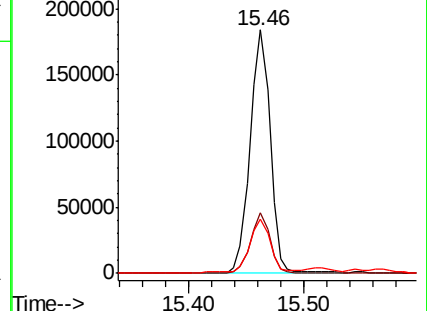
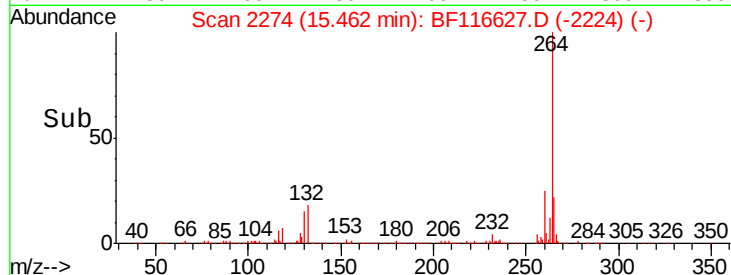
265 22.5 17.6 26.4



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: 14.811 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

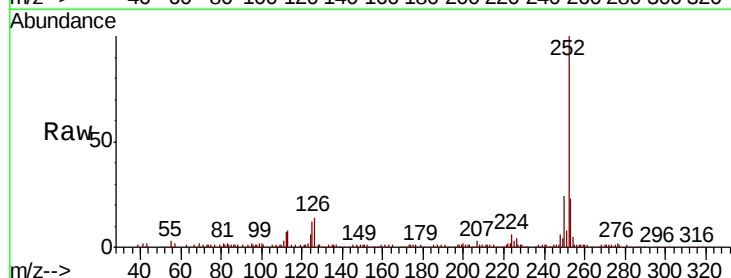
Tgt Ion:252 Resp: 204446

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

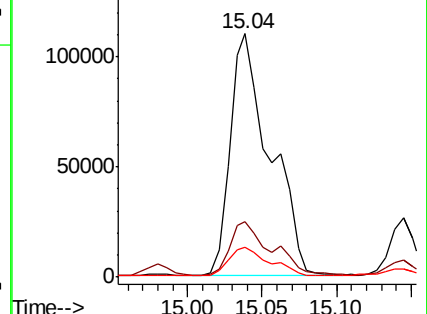
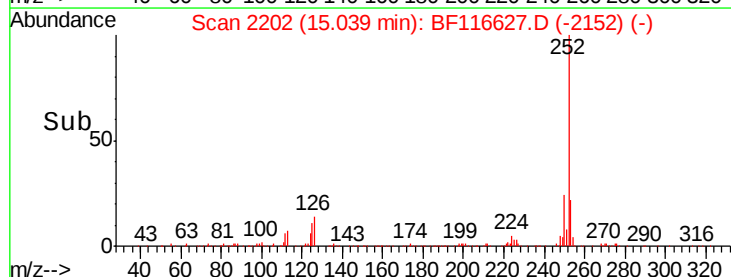
125 12.0 9.0 13.6

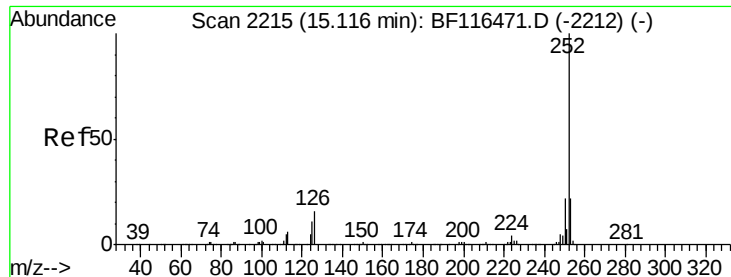


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

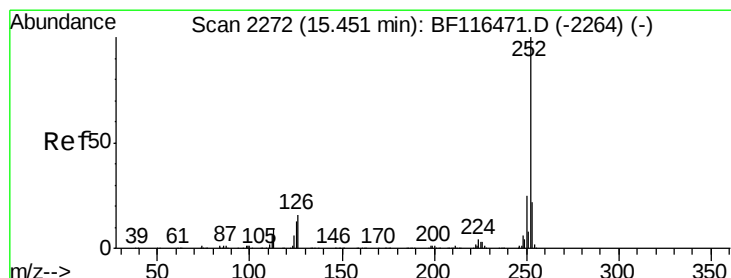
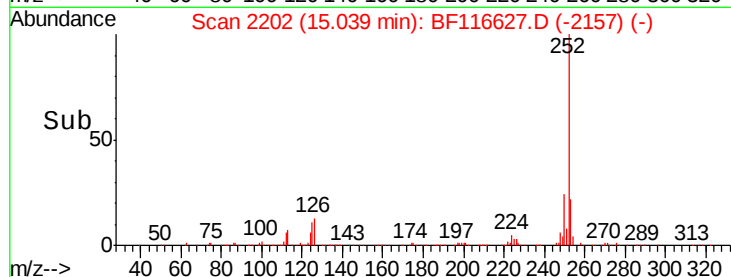
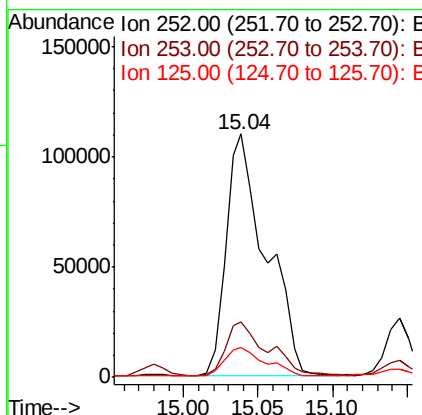
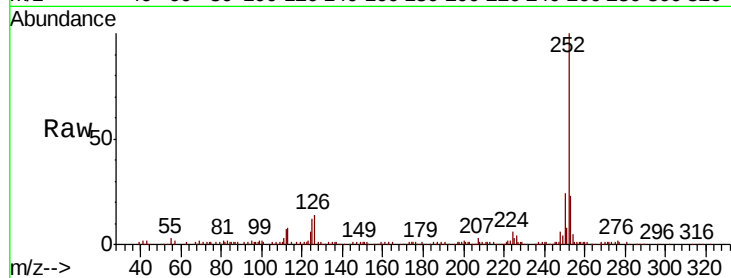




#89
Benzo(k)fluoranthene
Concen: 15.582 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

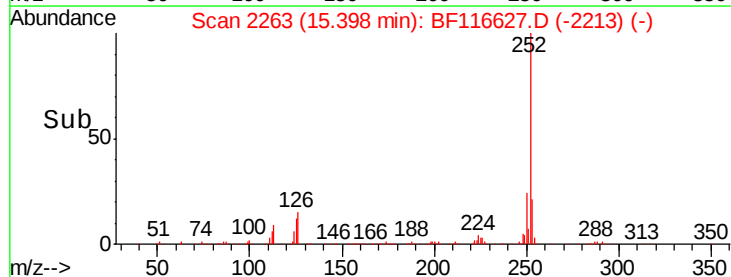
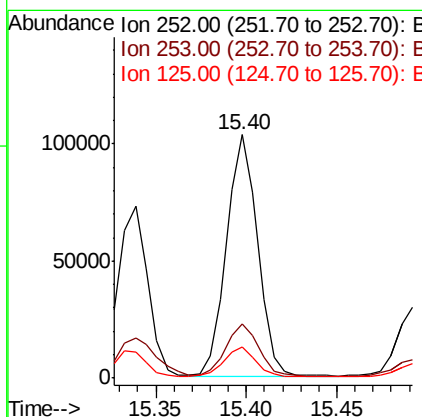
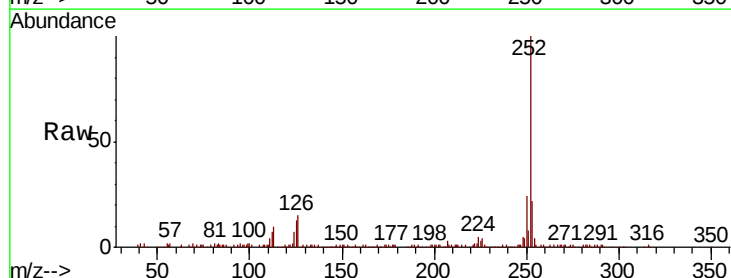
Instrument :
BNA_F
ClientSampleId :

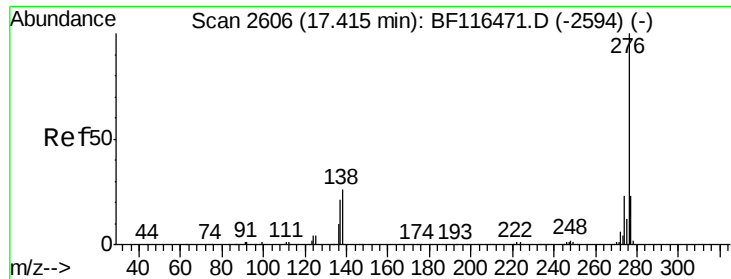
Tot Ion:252 Resp: 204446
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 12.0 8.6 13.0



#90
Benzo(a)pyrene
Concen: 9.998 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Tgt Ion:252 Resp: 123175
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 12.9 10.6 16.0





#92
 Benzo(a,h,i)perylene
 Concen: 6.913 ng
 RT: 17.34 min Scan# 2594
 Delta R.T. -0.02 min
 Lab File: BF116627.D
 Acq: 28 Aug 2019 20:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.0	28.4
138	23.9	18.2	27.2

