

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116628.D
 Acq On : 28 Aug 2019 21:24
 Operator : HP/JU
 Sample : K4470-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 29 03:39:20 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	90083	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	314117	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	147742	20.00	ng	-0.01
64) Phenanthrene-d10	11.38	188	339016	20.00	ng	0.00
76) Chrysene-d12	14.01	240	104139	20.00	ng	0.00
87) Perylene-d12	15.47	264	120485	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	554264	106.27	ng	0.00
7) Phenol-d6	6.49	99	759014	107.34	ng	0.00
23) Nitrobenzene-d5	7.42	82	438569	79.89	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	189946	135.10	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	743317	83.73	ng	0.00
79) Terphenyl-d14	12.96	244	482049	75.28	ng	0.00

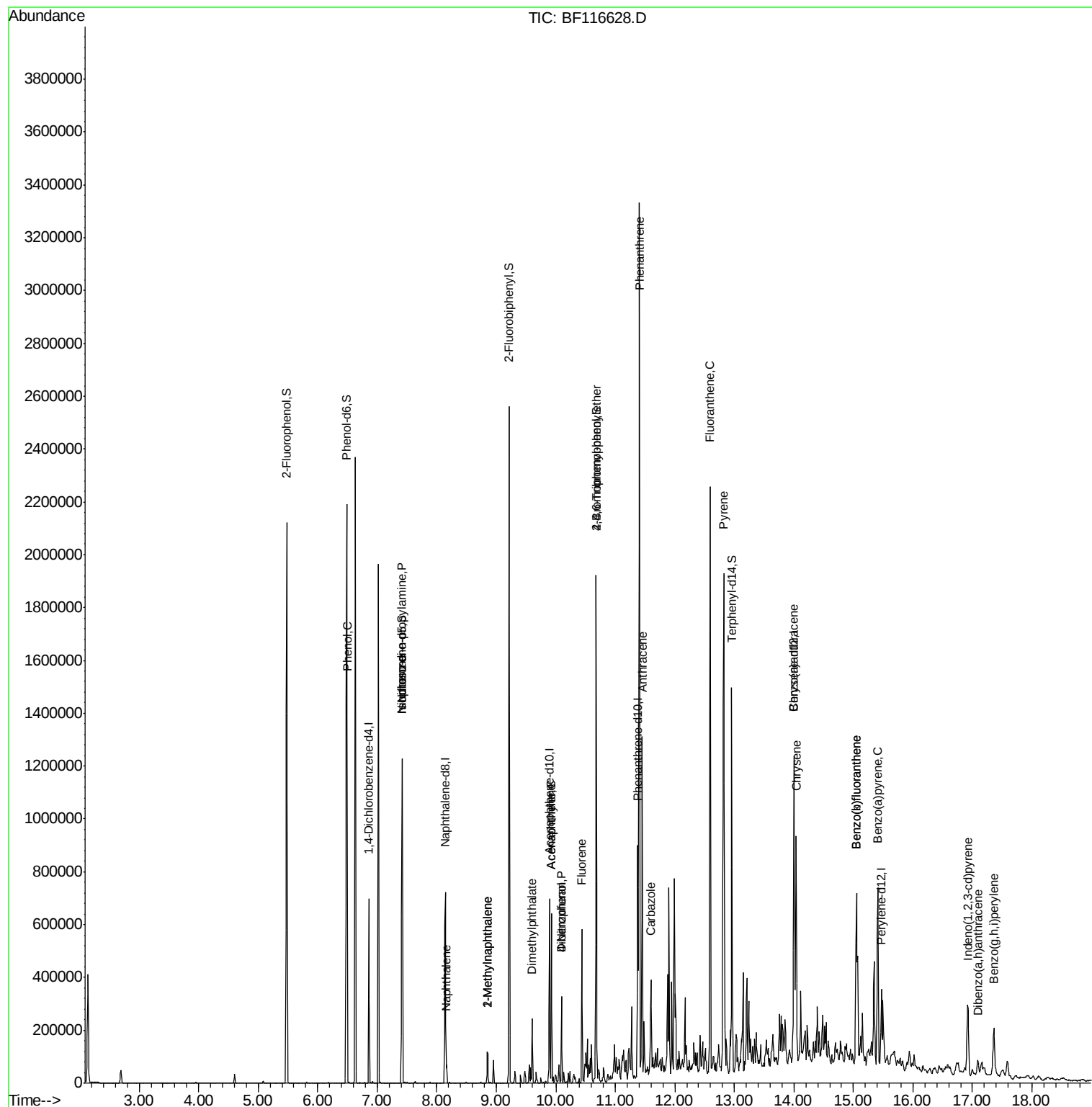
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	1352	Below Cal		# 1
10) Phenol	6.50	94	19295	2.488	ng	96
19) n-Nitroso-di-n-propylamine	7.42	70	58587	13.029	ng	# 80
25) Isophorone	7.42	82	438406	43.869	ng	# 65
31) Naphthalene	8.16	128	39547	2.628	ng	99
37) 2-Methylnaphthalene	8.85	142	32479	3.456	ng	97
38) 1-Methylnaphthalene	8.85	142	32479	3.539	ng	97
49) Acenaphthylene	9.93	152	62908	4.899	ng	# 1
50) Dimethylphthalate	9.60	163	88632	8.923	ng	99
52) Acenaphthene	9.93	154	121149	13.933	ng	93
55) Dibenzofuran	10.10	168	101098	8.634	ng	95
56) 4-Nitrophenol	10.10	139	37544	18.884	ng	# 12
58) Fluorene	10.44	166	128214	14.428	ng	99
67) 4-Bromophenyl-phenylether	10.68	248	12515	3.480	ng	# 1
71) Phenanthrene	11.40	178	1286075	70.627	ng	99
72) Anthracene	11.45	178	460773	25.307	ng	99
73) Carbazole	11.60	167	120878	7.801	ng	99
75) Fluoranthene	12.60	202	959640	58.762	ng	98
78) Pyrene	12.82	202	818933	85.519	ng	100
81) Benzo(a)anthracene	14.00	228	366079	52.726	ng	98
83) Chrysene	14.04	228	312794	46.019	ng	97
86) Indeno(1,2,3-cd)pyrene	16.92	276	171196	31.687	ng	94
88) Benzo(b)fluoranthene	15.05	252	521173	70.439	ng	98
89) Benzo(k)fluoranthene	15.05	252	521173	74.103	ng	97
90) Benzo(a)pyrene	15.41	252	306203	46.370	ng	95
91) Dibenzo(a,h)anthracene	17.09	278	37179	6.034	ng	96
92) Benzo(g,h,i)perylene	17.36	276	149135	23.277	ng	98

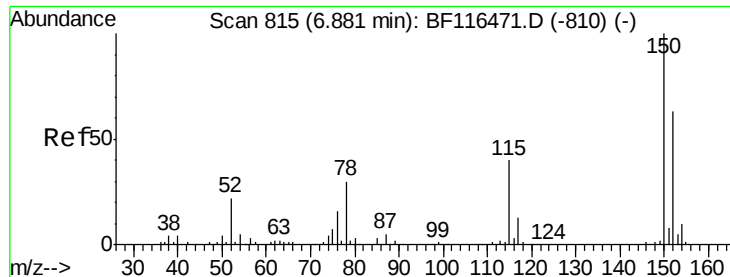
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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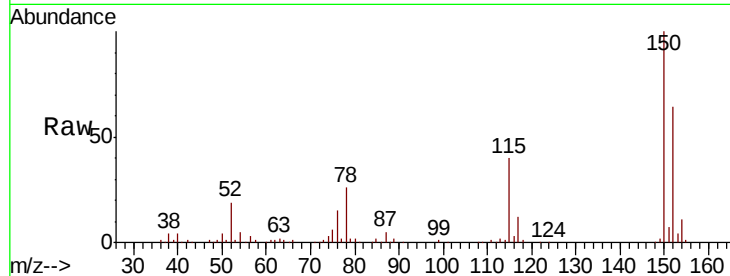


#1

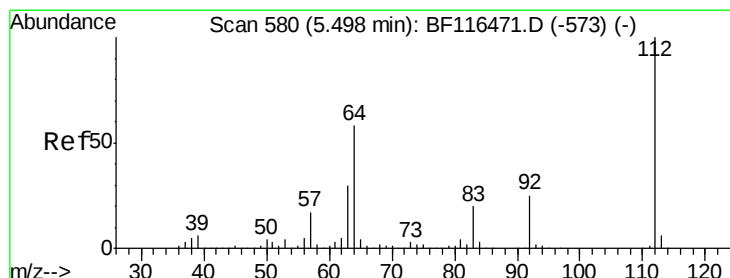
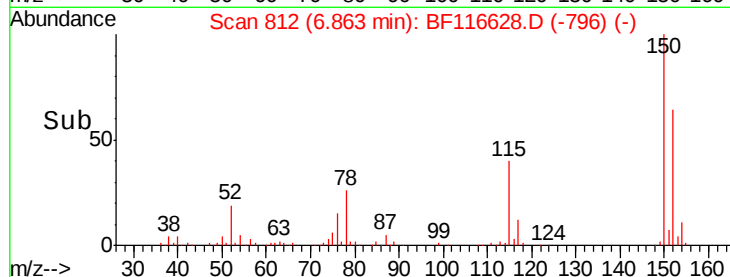
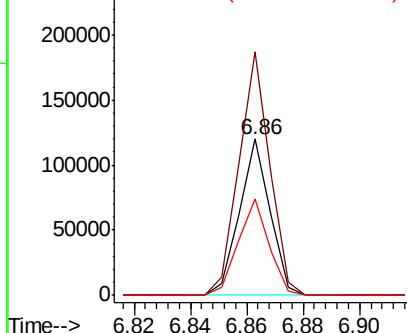
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF116628.D
 Acq: 28 Aug 2019 21:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 90083
 Ion Ratio Lower Upper
 152 100
 150 155.9 123.4 185.2
 115 61.6 48.2 72.2



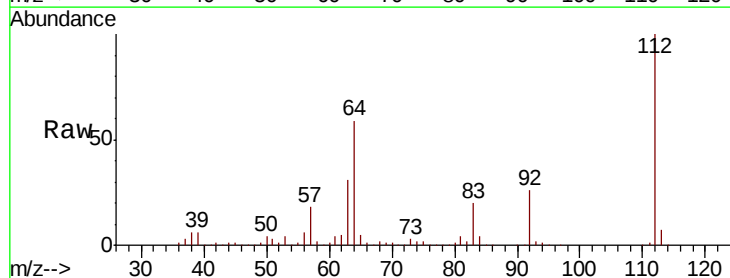
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



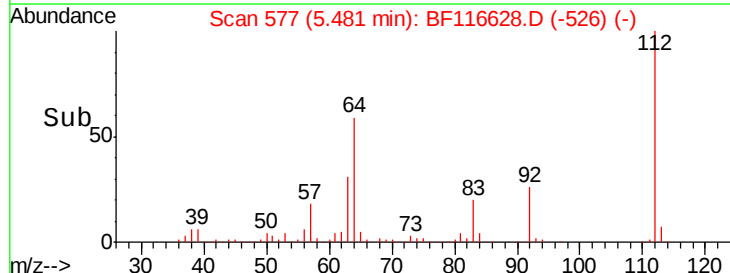
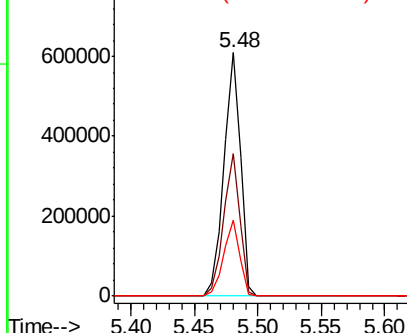
#5

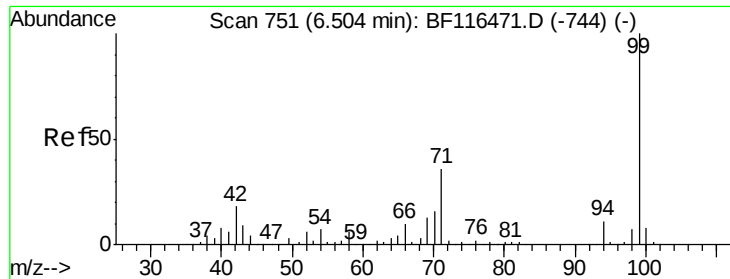
2-Fluorophenol
 Concen: 106.273 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: BF116628.D
 Acq: 28 Aug 2019 21:24

Tgt Ion:112 Resp: 554264
 Ion Ratio Lower Upper
 112 100
 64 58.6 48.0 72.0
 63 31.2 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: 107.344 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116628.D

Acq: 28 Aug 2019 21:24

Instrument :

BNA_F

ClientSampled :

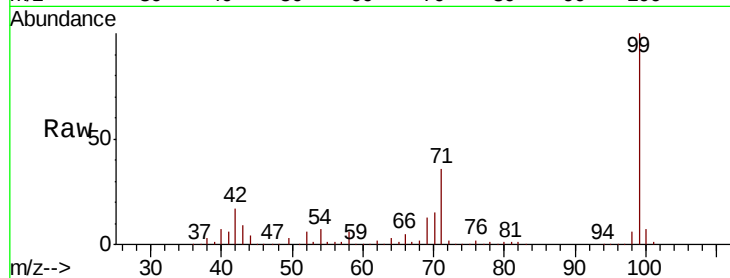
Tot Ion: 99 Resp: 759014

Ion Ratio Lower Upper

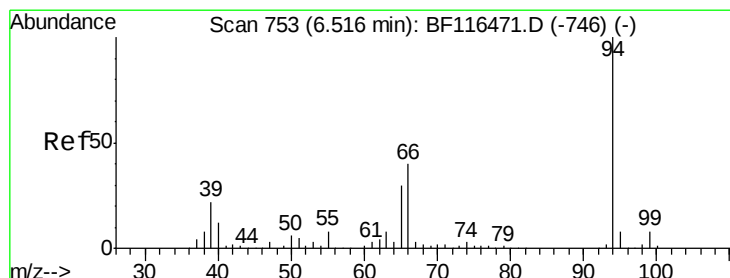
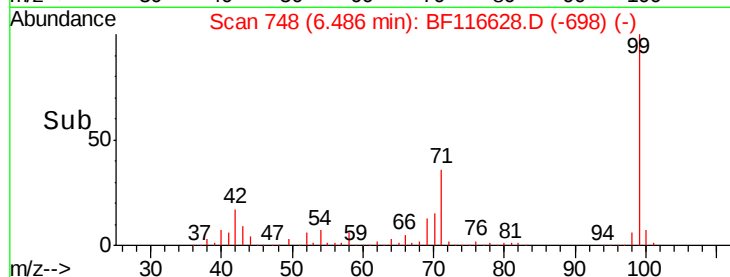
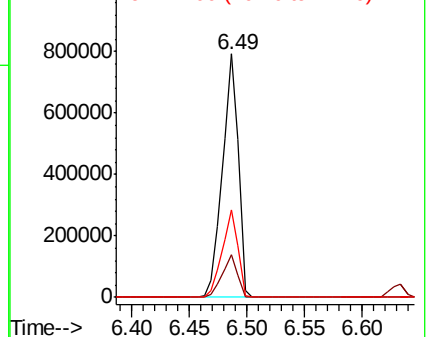
99 100

42 17.3 13.2 19.8

71 36.2 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: 2.488 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF116628.D

Acq: 28 Aug 2019 21:24

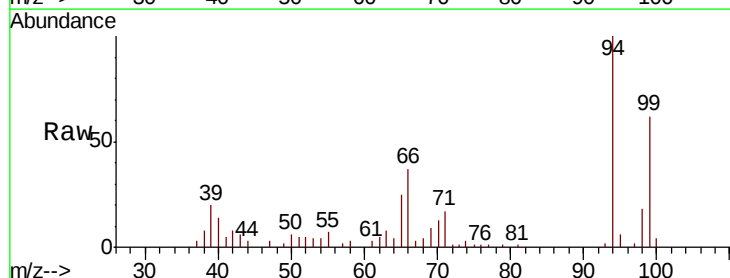
Tgt Ion: 94 Resp: 19295

Ion Ratio Lower Upper

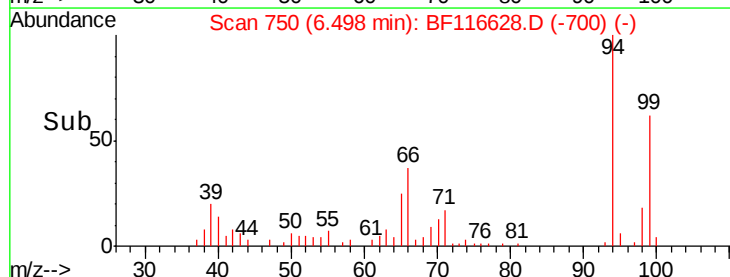
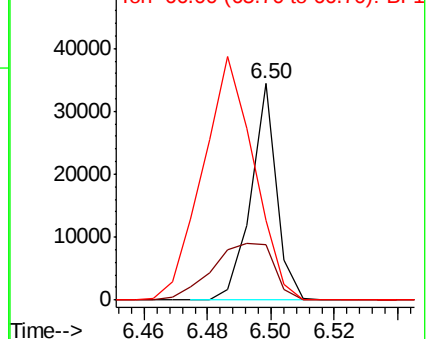
94 100

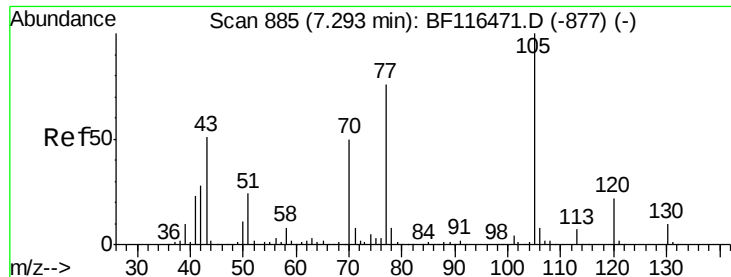
65 25.4 8.6 48.6

66 36.7 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

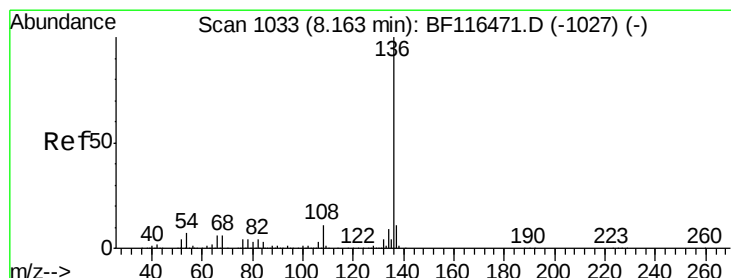
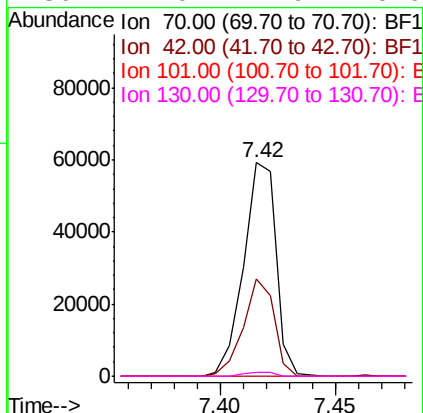
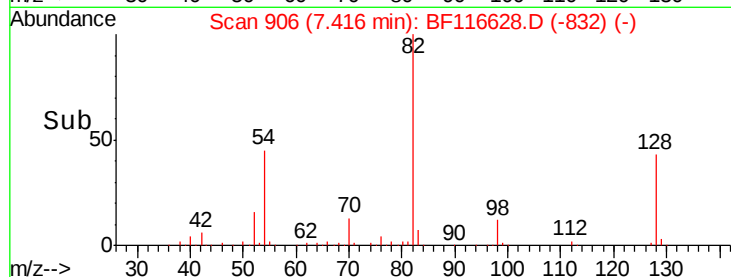
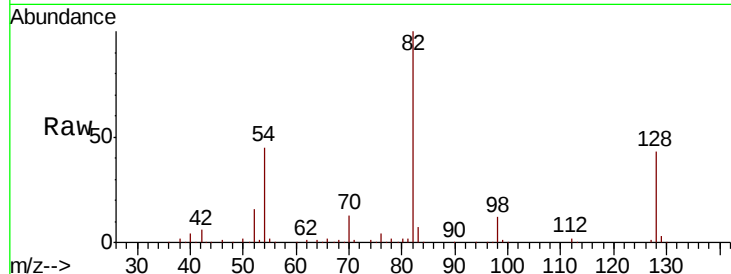




#19
n-Nitroso-di-n-propylamine
Concen: 13.029 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.14 min
Lab File: BF116628.D
Acq: 28 Aug 2019 21:24

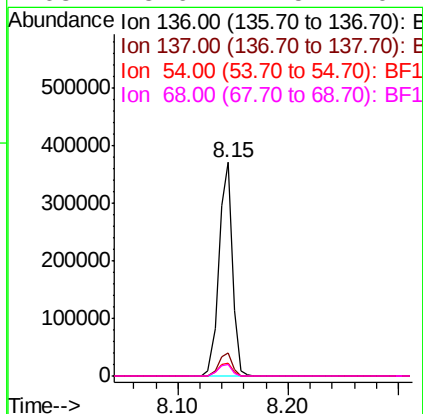
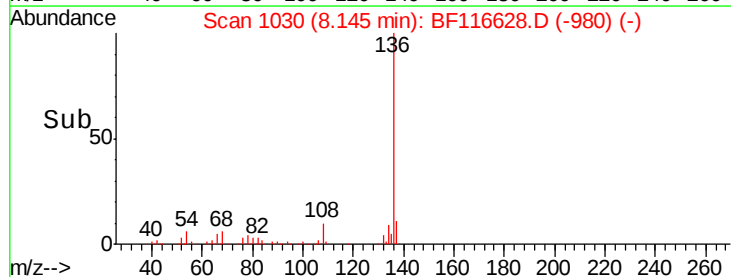
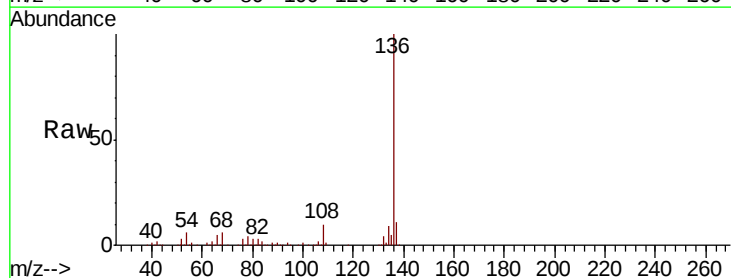
Instrument :
BNA_F
ClientSampleId :

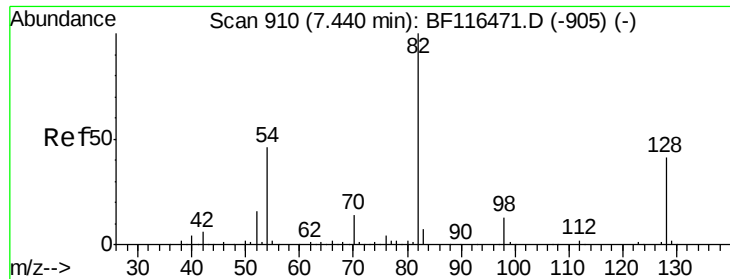
Tot Ion: 70 Resp: 58587
Ion Ratio Lower Upper
70 100
42 45.4 41.2 61.8
101 0.0 7.7 11.5#
130 2.0 17.9 26.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116628.D
Acq: 28 Aug 2019 21:24

Tgt Ion: 136 Resp: 314117
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 6.1 5.0 7.4
68 5.6 4.5 6.7

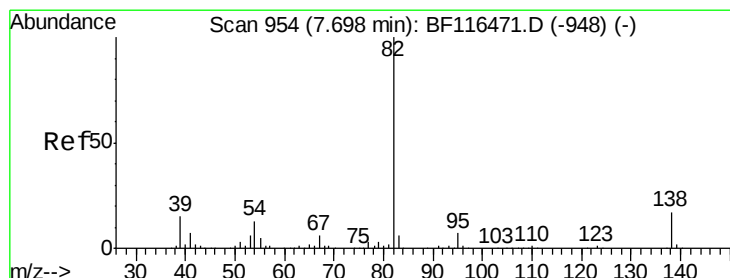
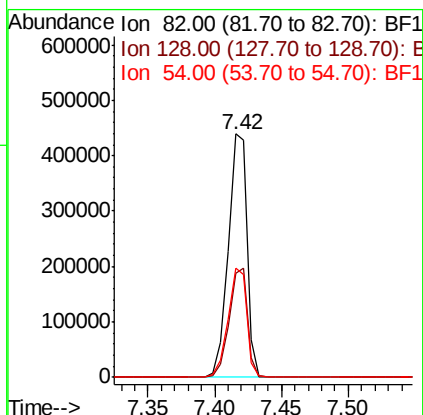
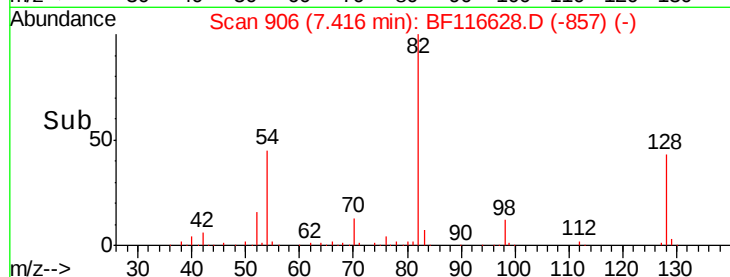
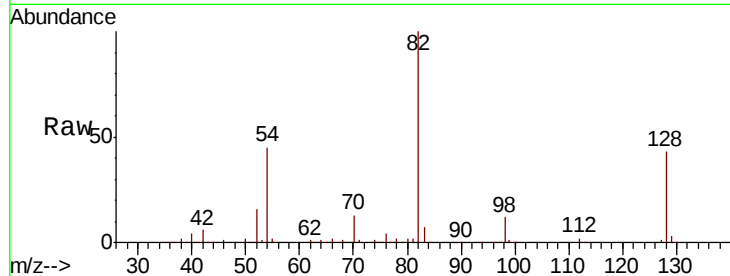




#23
 Nitrobenzene-d5
 Concen: 79.890 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF116628.D
 Acq: 28 Aug 2019 21:24

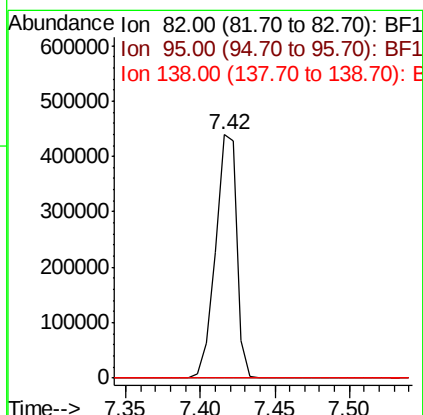
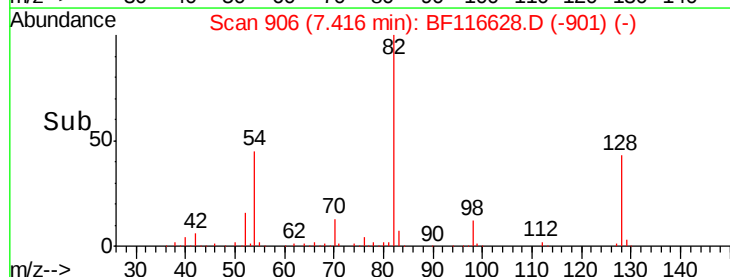
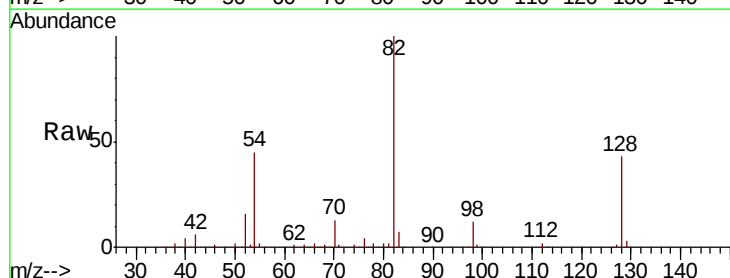
Instrument :
 BNA_F
 ClientSampled :

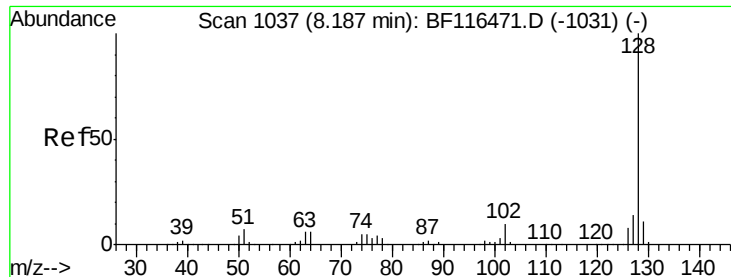
Tot Ion	82	Resp	438569
Ion Ratio	100	Lower	Upper
128	42.7	35.0	52.6
54	45.0	34.4	51.6



#25
 Isophorone
 Concen: 43.869 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.27 min
 Lab File: BF116628.D
 Acq: 28 Aug 2019 21:24

Tgt Ion	82	Resp	438406
Ion Ratio	100	Lower	Upper
95	0.0	5.6	8.4#
138	0.0	14.4	21.6#

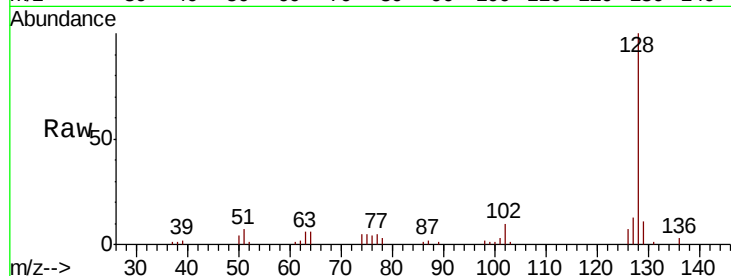




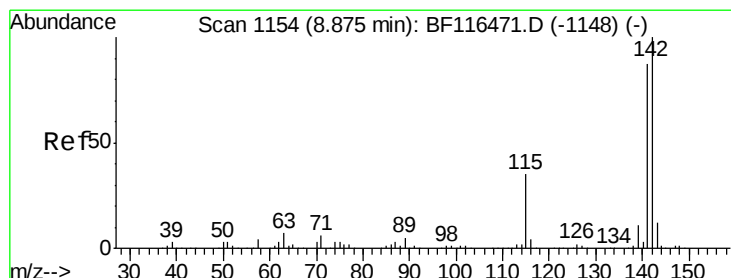
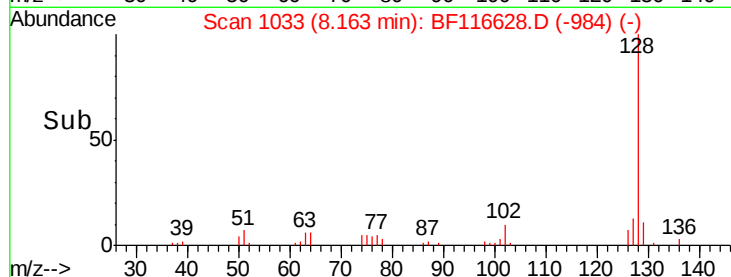
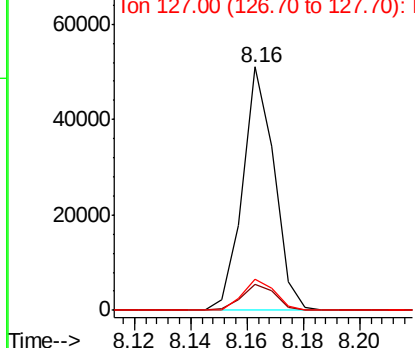
#31
Naphthalene
Concen: 2.628 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF116628.D
Acq: 28 Aug 2019 21:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 39547
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 12.9 10.9 16.3

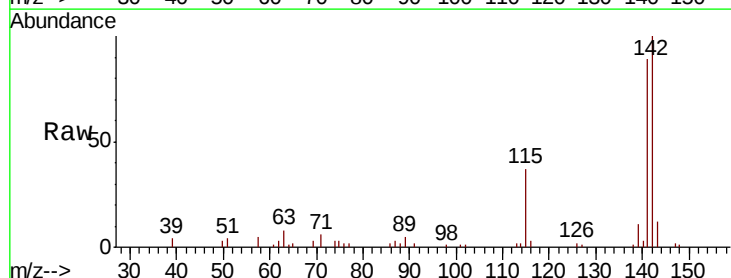


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

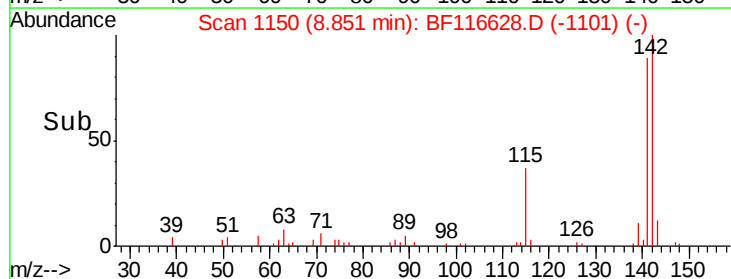
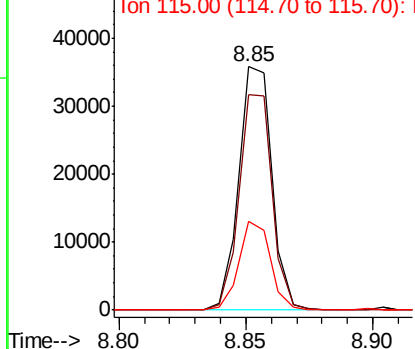


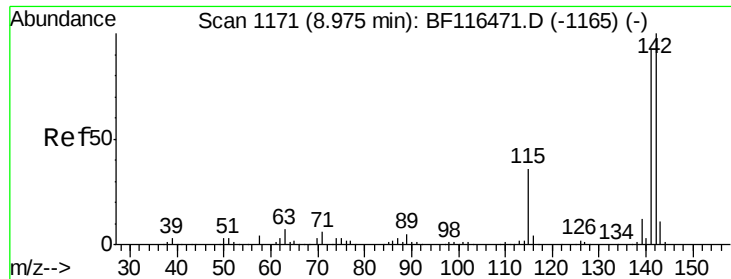
#37
2-Methylnaphthalene
Concen: 3.456 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF116628.D
Acq: 28 Aug 2019 21:24

Tgt Ion:142 Resp: 32479
Ion Ratio Lower Upper
142 100
141 88.6 69.5 104.3
115 36.6 26.0 39.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

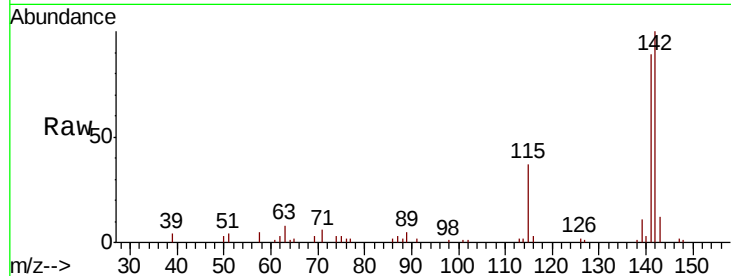




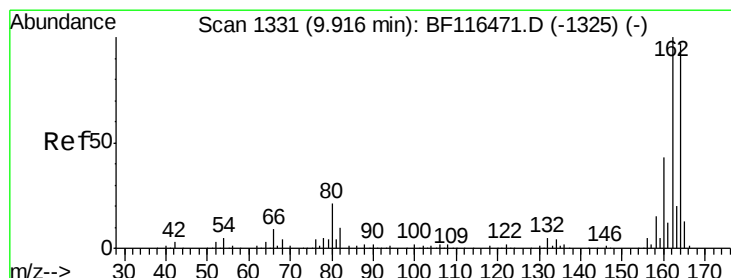
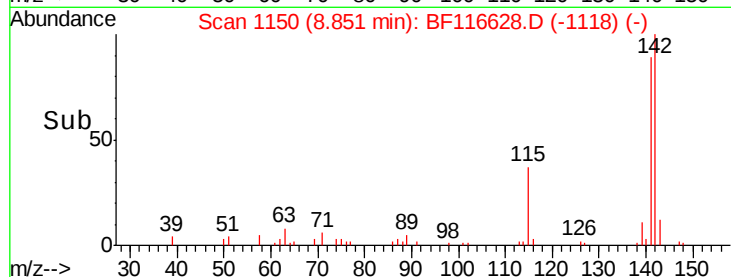
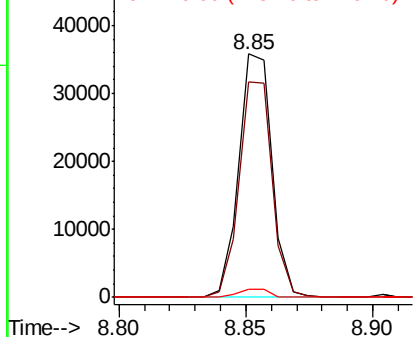
#38
1-Methylnaphthalene
Concen: 3.539 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.11 min
Lab File: BF116628.D
Acq: 28 Aug 2019 21:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:142 Resp: 32479
Ion Ratio Lower Upper
142 100
141 88.6 73.1 109.7
116 3.5 2.7 4.1

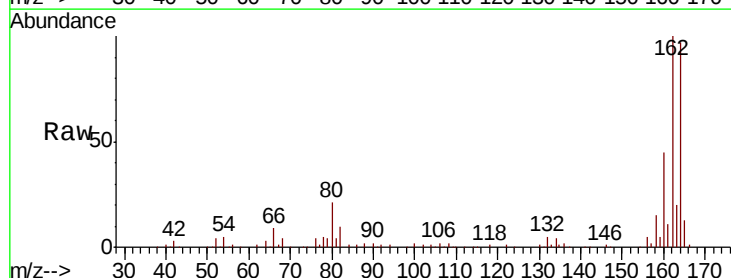


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

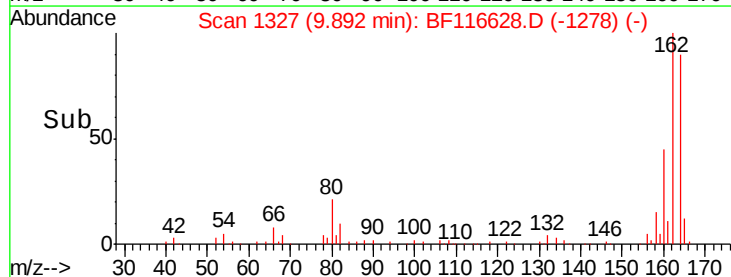
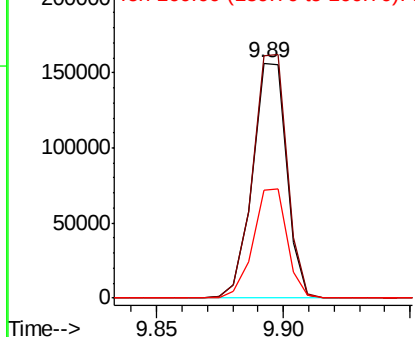


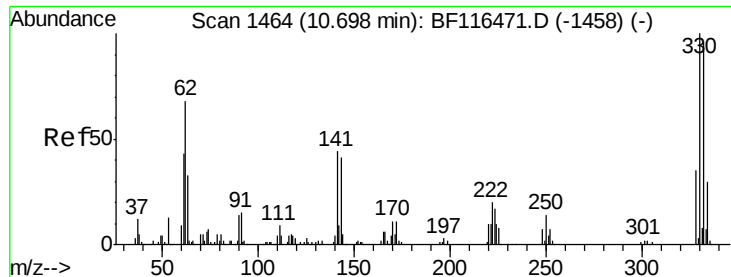
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF116628.D
Acq: 28 Aug 2019 21:24

Tgt Ion:164 Resp: 147742
Ion Ratio Lower Upper
164 100
162 103.2 83.4 125.0
160 46.1 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

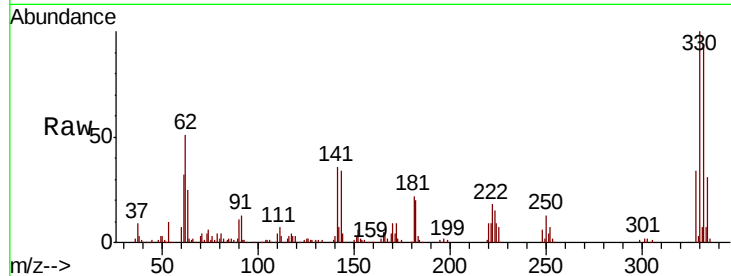




#42
 2,4,6-Tribromophenol
 Concen: 135.104 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF116628.D
 Acq: 28 Aug 2019 21:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.5	116.3
141	38.3	28.2	42.2

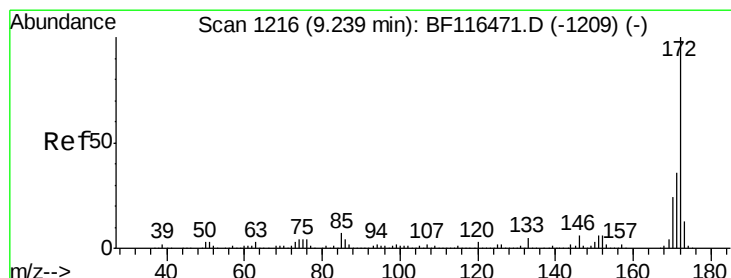
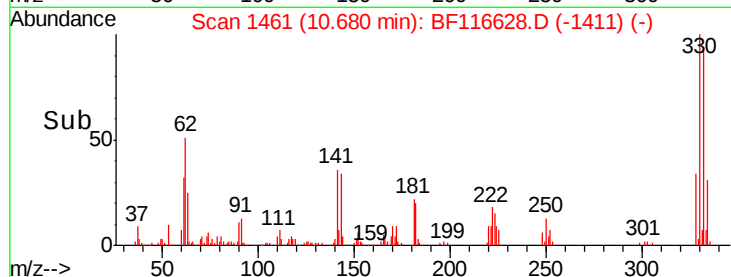
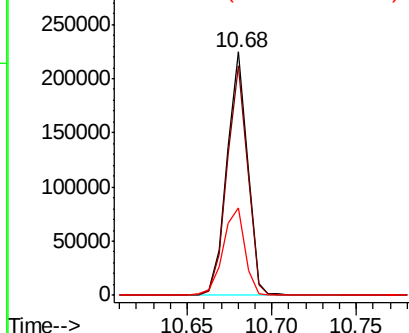


Abundance

Ion 329.80 (329.50 to 330.50): E

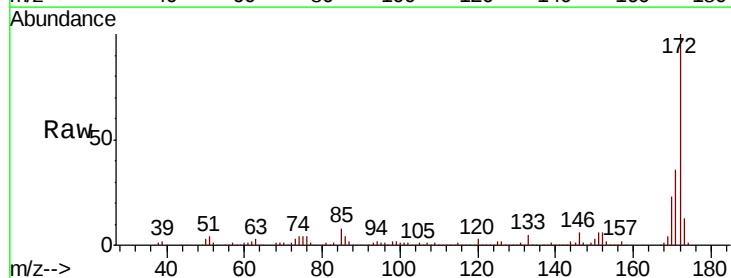
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 83.729 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF116628.D
 Acq: 28 Aug 2019 21:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.6
170	23.5	19.3	28.9

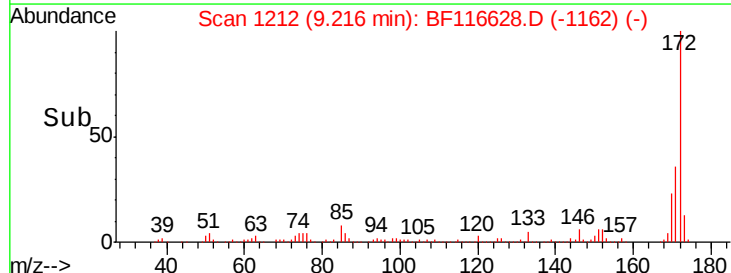
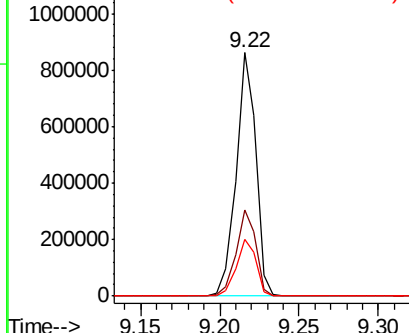


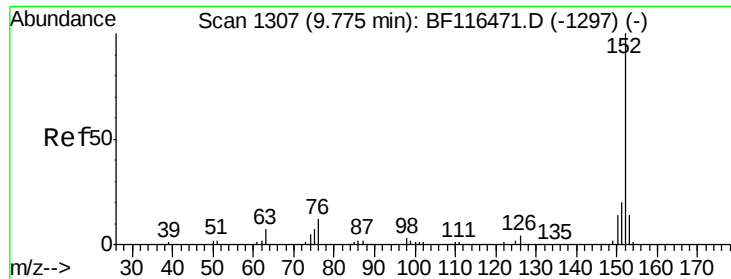
Abundance

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





#49

Acenaphthylene

Concen: 4.899 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.16 min

Lab File: BF116628.D

Acq: 28 Aug 2019 21:24

Instrument :

BNA_F

ClientSampled :

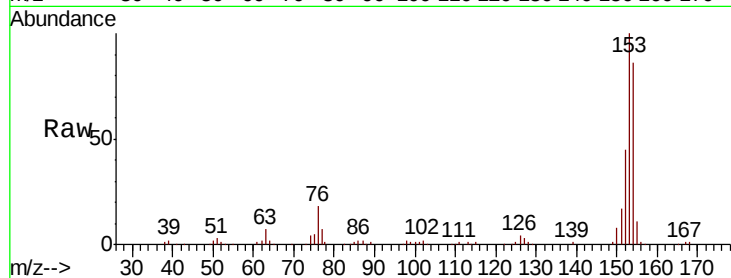
Tot Ion:152 Resp: 62908

Ion Ratio Lower Upper

152 100

151 38.4 16.4 24.6#

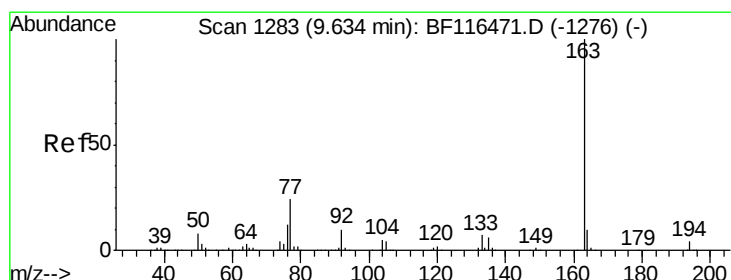
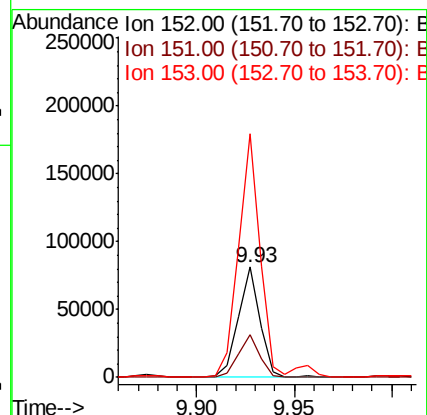
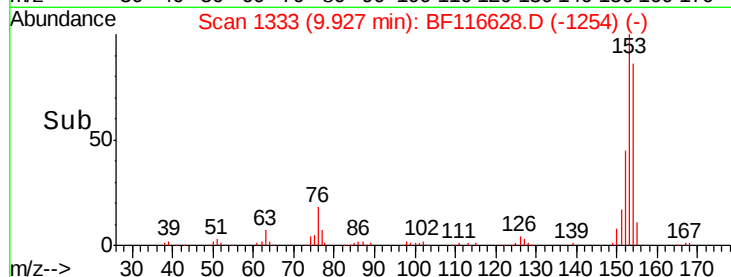
153 220.7 11.3 16.9#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 8.923 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF116628.D

Acq: 28 Aug 2019 21:24

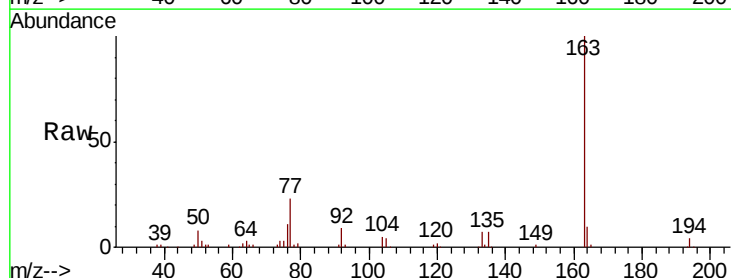
Tgt Ion:163 Resp: 88632

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

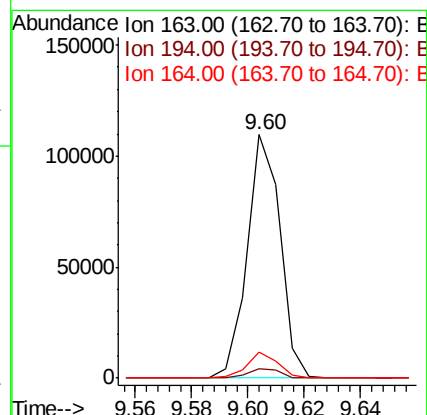
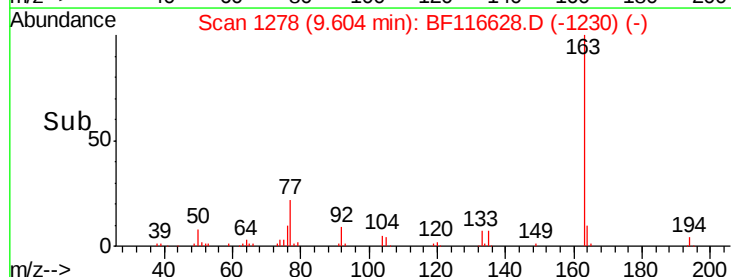
164 10.5 8.2 12.2

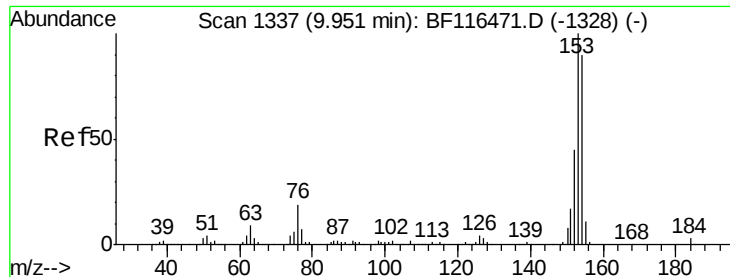


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 13.933 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF116628.D

Acq: 28 Aug 2019 21:24

Instrument :

BNA_F

ClientSampled :

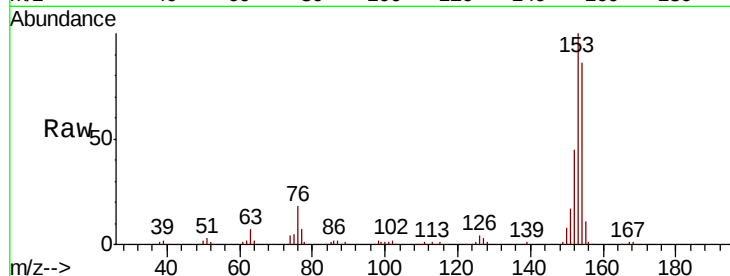
Tot Ion:154 Resp: 121149

Ion Ratio Lower Upper

154 100

153 116.0 86.6 129.8

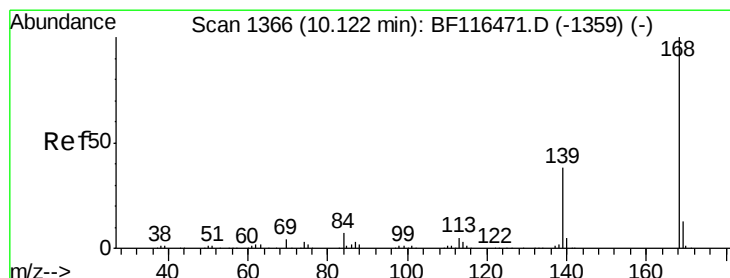
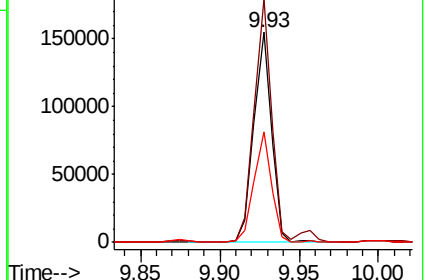
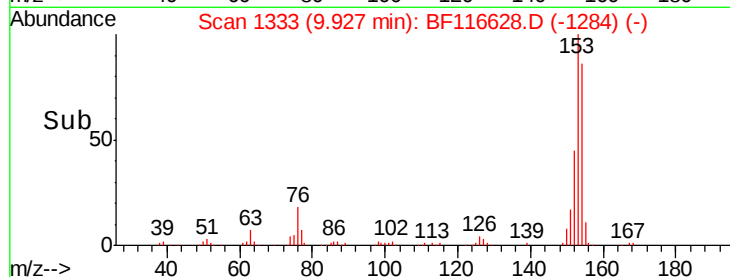
152 52.5 39.4 59.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 8.634 ng

RT: 10.10 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BF116628.D

Acq: 28 Aug 2019 21:24

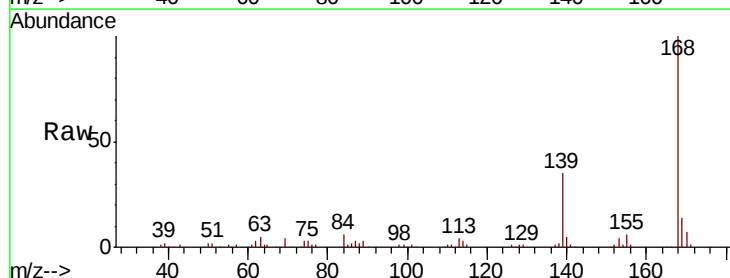
Tgt Ion:168 Resp: 101098

Ion Ratio Lower Upper

168 100

139 35.4 31.3 46.9

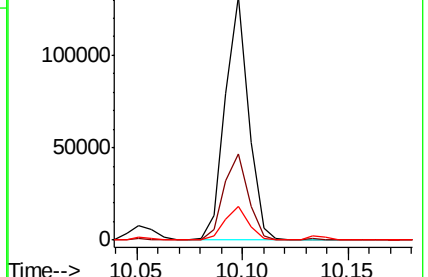
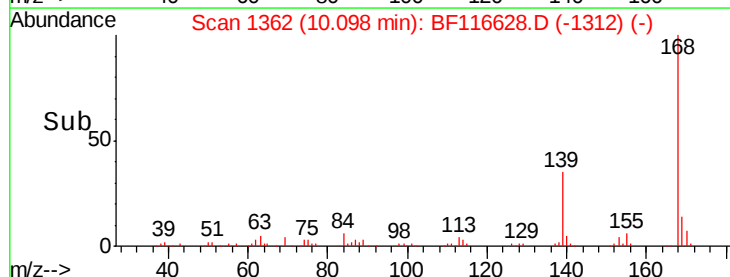
169 13.9 11.3 16.9

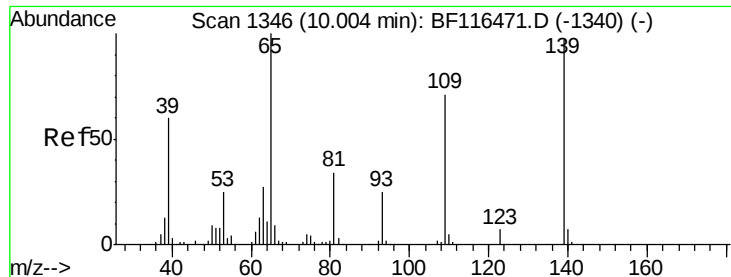


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

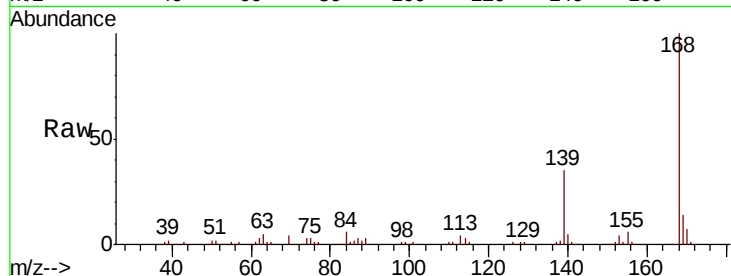




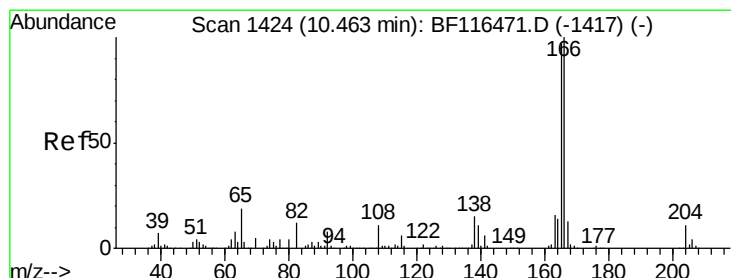
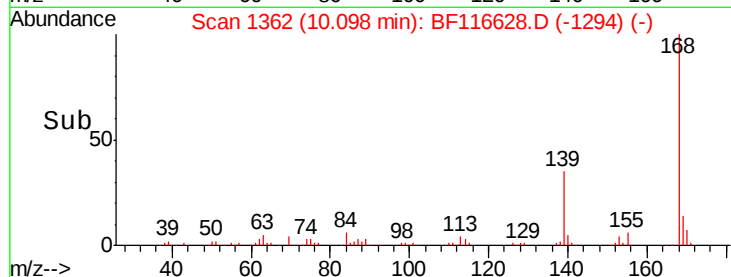
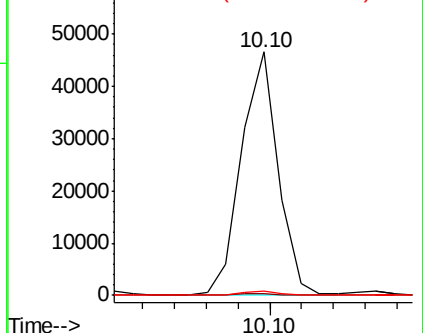
#56
4-Nitrophenol
Concen: 18.884 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.10 min
Lab File: BF116628.D
Acq: 28 Aug 2019 21:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 37544
Ion Ratio Lower Upper
139 100
109 0.8 45.5 85.5#
65 1.6 66.8 106.8#

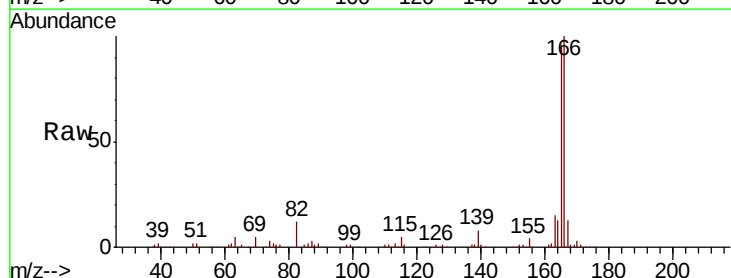


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

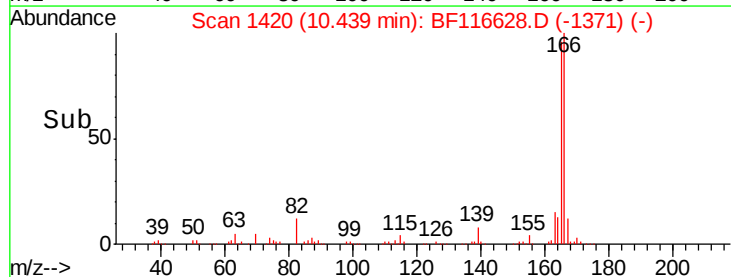
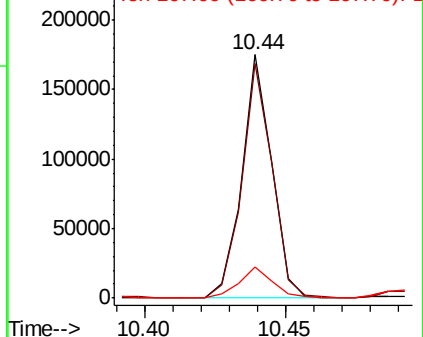


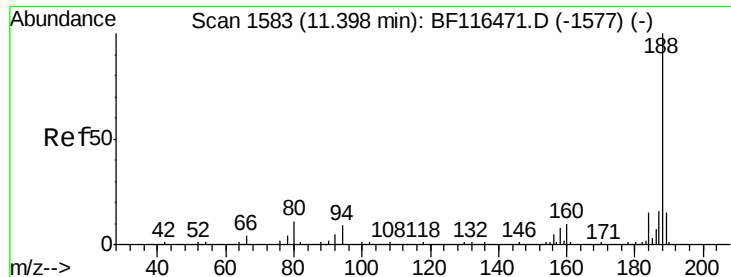
#58
Fluorene
Concen: 14.428 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF116628.D
Acq: 28 Aug 2019 21:24

Tgt Ion:166 Resp: 128214
Ion Ratio Lower Upper
166 100
165 96.2 77.8 116.6
167 12.8 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BF116628.D

Acq: 28 Aug 2019 21:24

Instrument :

BNA_F

ClientSampleId :

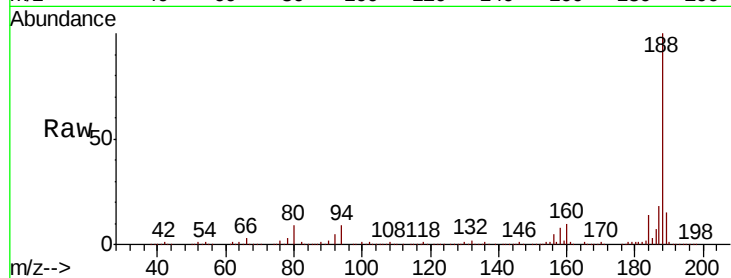
Tot Ion:188 Resp: 339016

Ion Ratio Lower Upper

188 100

94 8.9 8.2 12.4

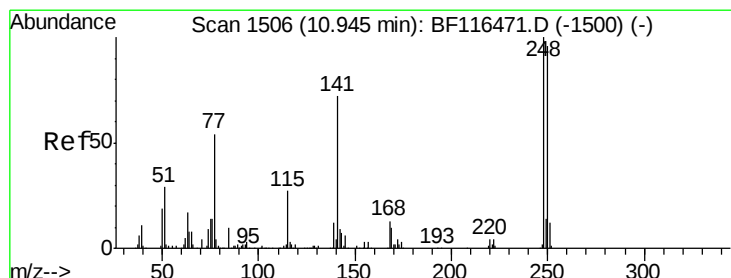
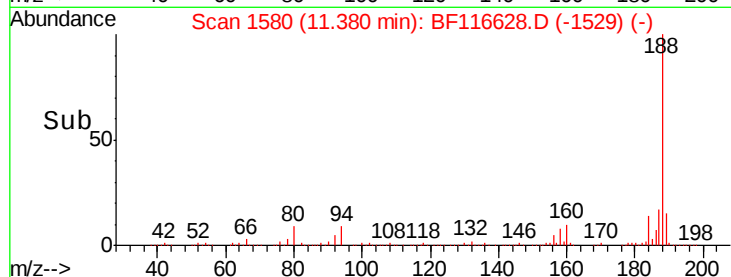
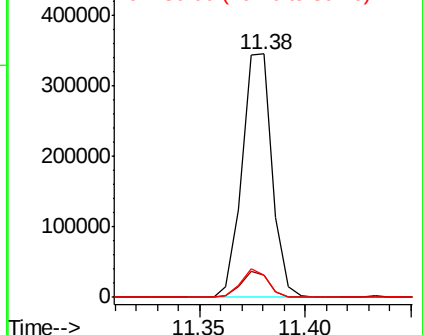
80 9.1 8.9 13.3



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



#67

4-Bromophenyl-phenylether

Concen: 3.480 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.25 min

Lab File: BF116628.D

Acq: 28 Aug 2019 21:24

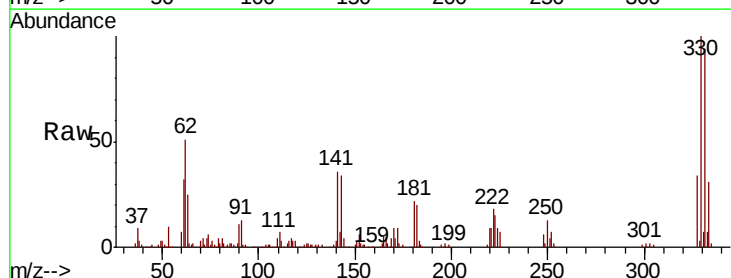
Tgt Ion:248 Resp: 12515

Ion Ratio Lower Upper

248 100

250 197.9 76.6 115.0#

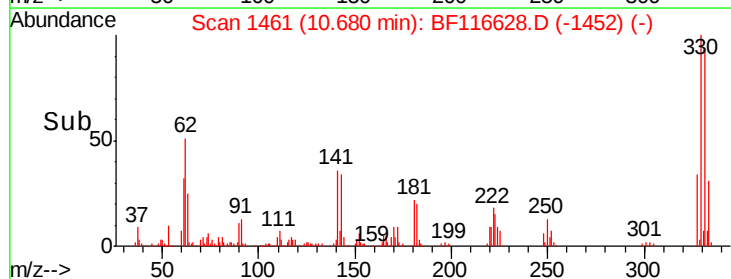
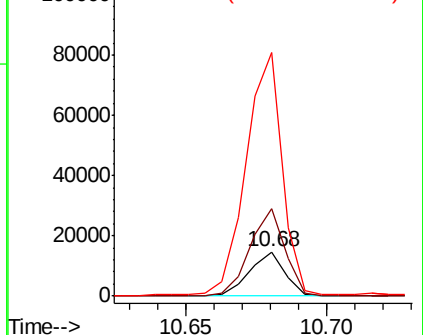
141 553.7 60.8 91.2#

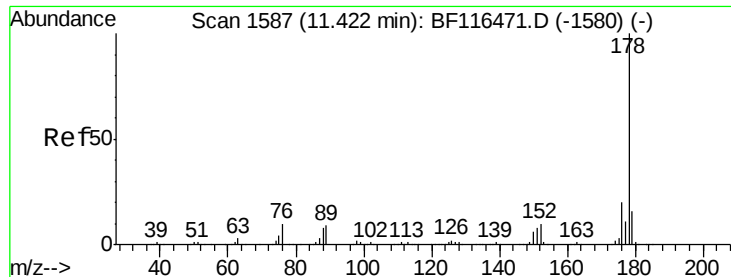


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

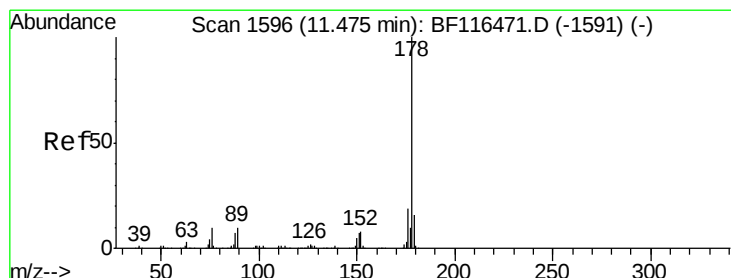
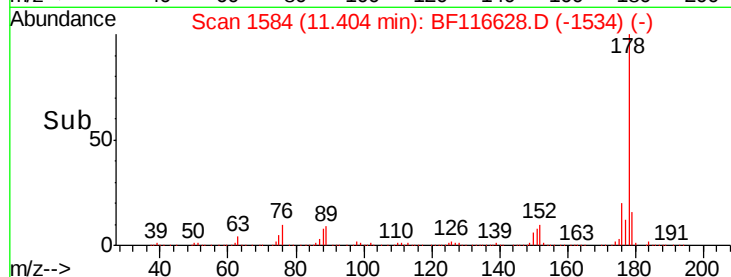
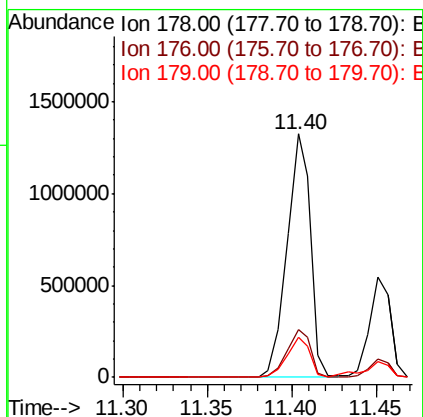
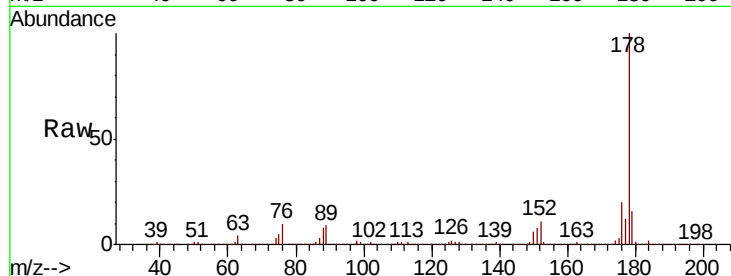




#71
Phenanthrene
Concen: 70.627 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF116628.D
Acq: 28 Aug 2019 21:24

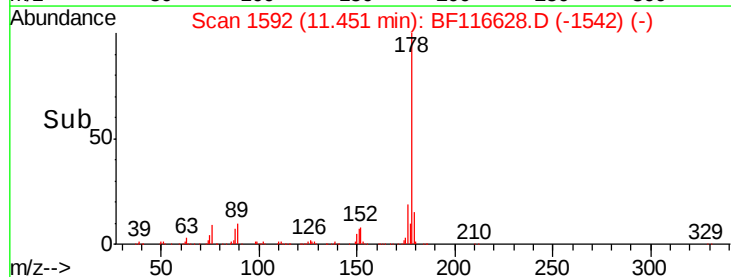
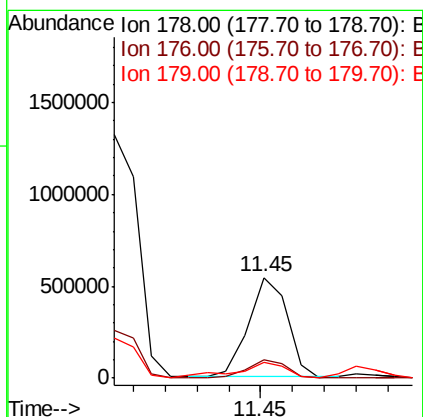
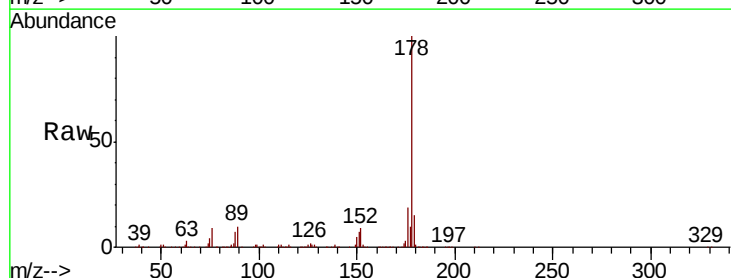
Instrument :
BNA_F
ClientSampleId :

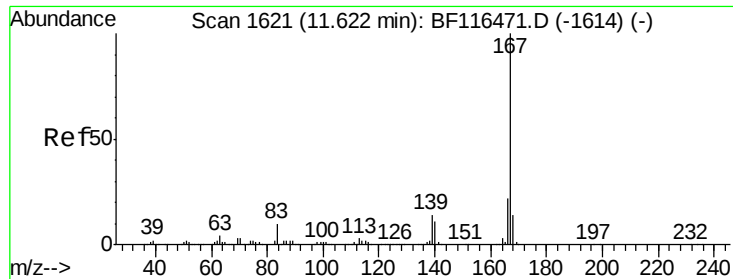
Tot Ion:178 Resp: 1286075
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 16.2 12.4 18.6



#72
Anthracene
Concen: 25.307 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF116628.D
Acq: 28 Aug 2019 21:24

Tgt Ion:178 Resp: 460773
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.5 12.7 19.1





#73

Carbazole

Concen: 7.801 ng

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BF116628.D

Acq: 28 Aug 2019 21:24

Instrument :

BNA_F

ClientSampleId :

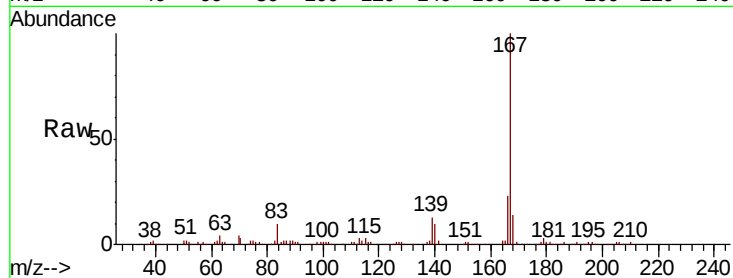
Tot Ion:167 Resp: 120878

Ion Ratio Lower Upper

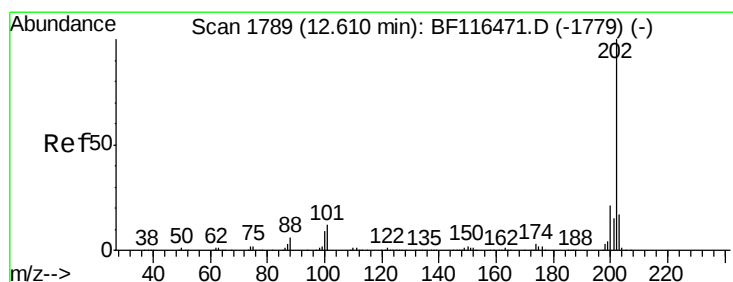
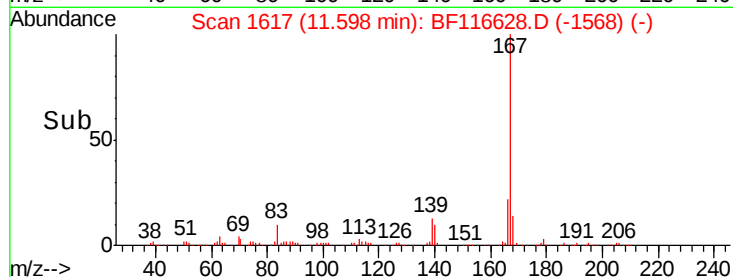
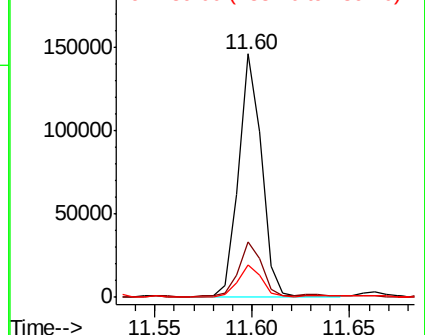
167 100

166 22.9 17.9 26.9

139 13.4 10.3 15.5



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 58.762 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.01 min

Lab File: BF116628.D

Acq: 28 Aug 2019 21:24

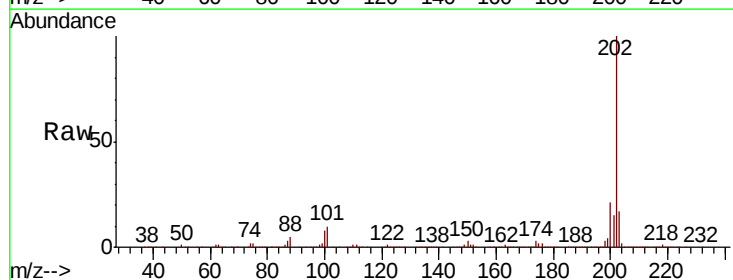
Tgt Ion:202 Resp: 959640

Ion Ratio Lower Upper

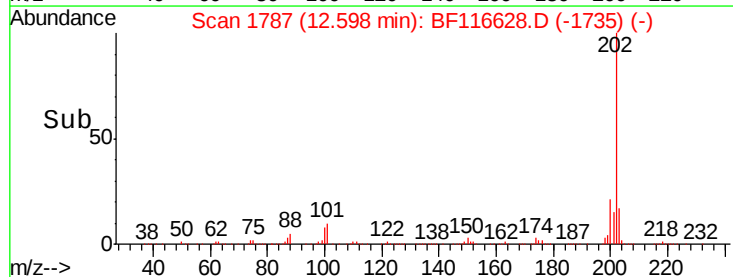
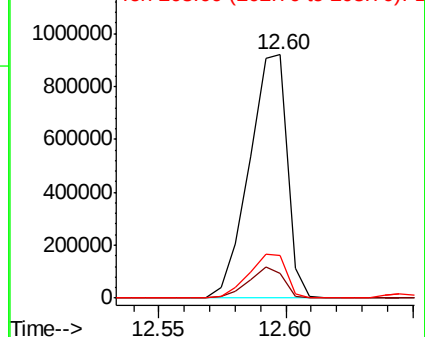
202 100

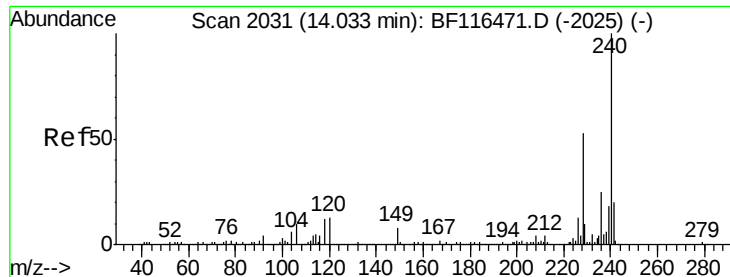
101 10.0 0.0 31.8

203 17.3 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

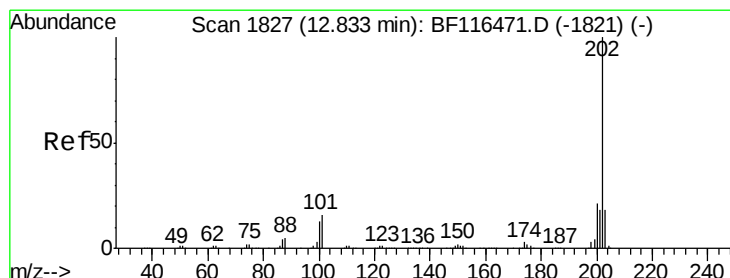
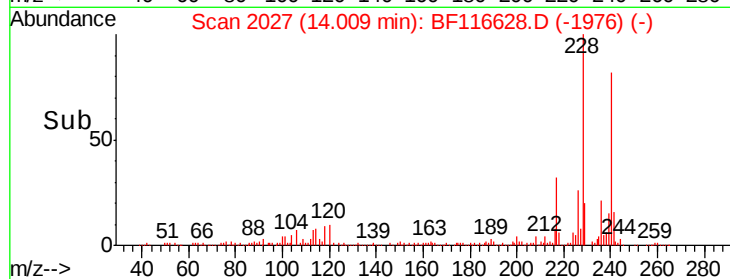
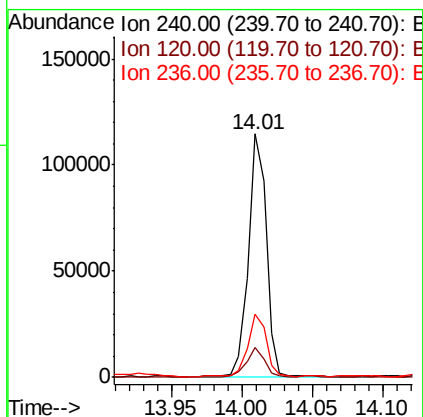
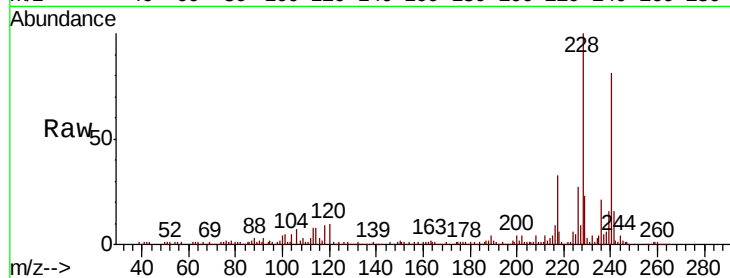




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF116628.D
Acq: 28 Aug 2019 21:24

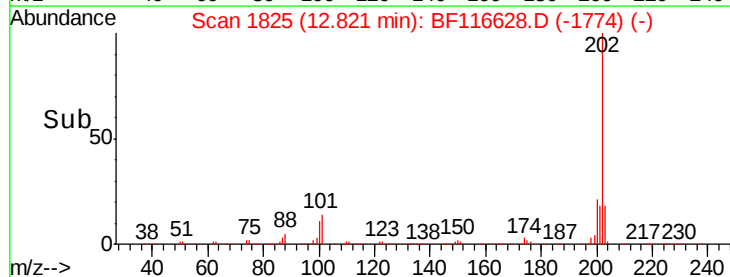
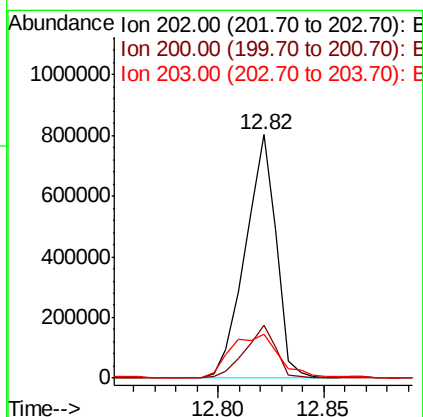
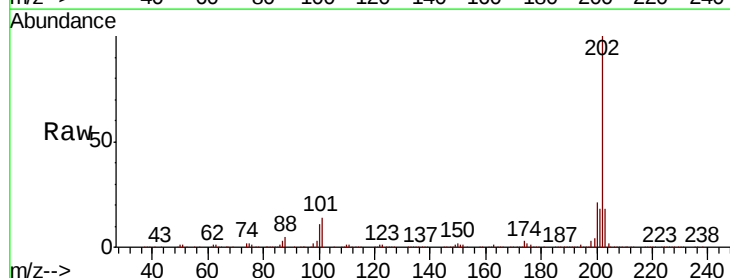
Instrument :
BNA_F
ClientSampleId :

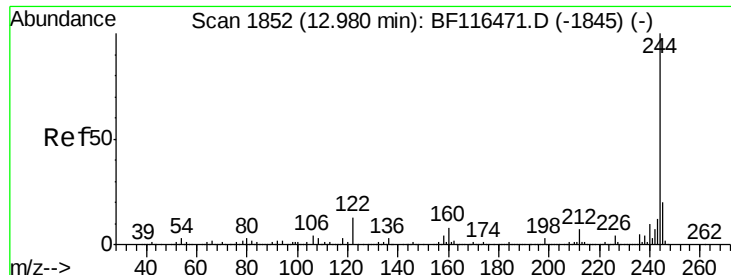
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	11.3	16.9
236	26.1	21.4	32.2



#78
Pyrene
Concen: 85.519 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BF116628.D
Acq: 28 Aug 2019 21:24

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.0
203	17.9	14.2	21.4

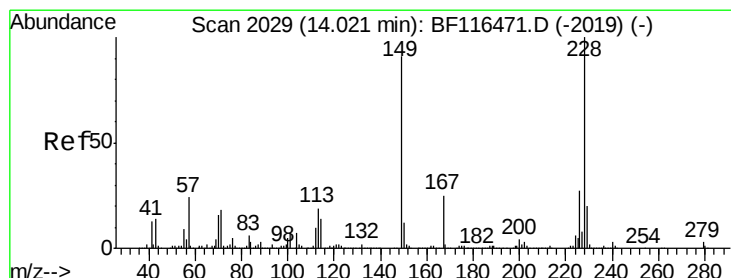
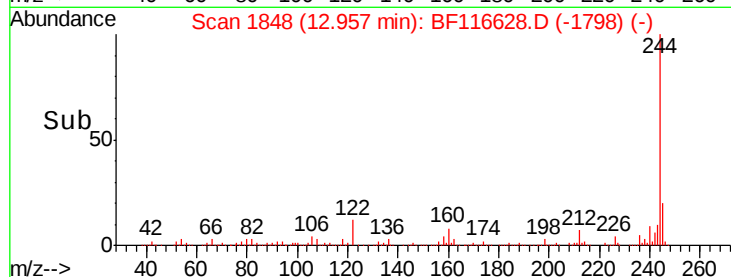
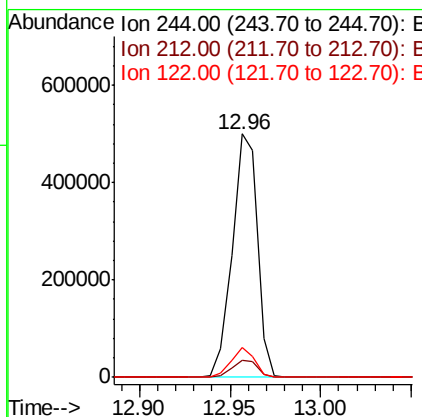
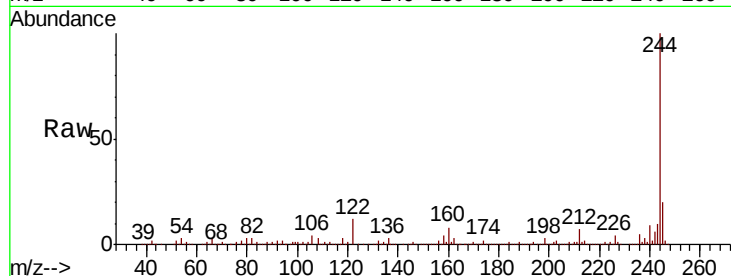




#79
 Terphenyl-d14
 Concen: 75.282 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF116628.D
 Acq: 28 Aug 2019 21:24

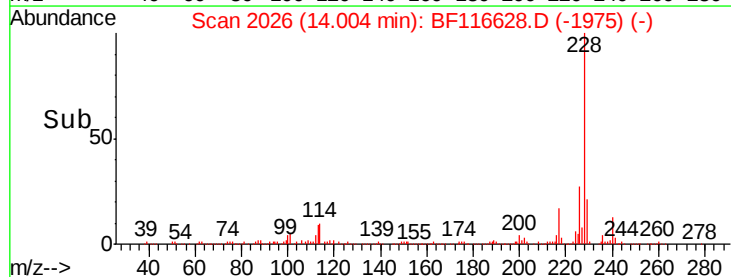
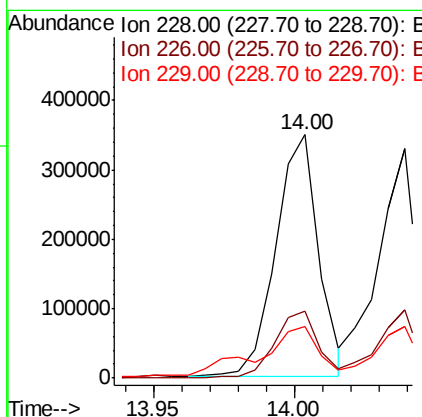
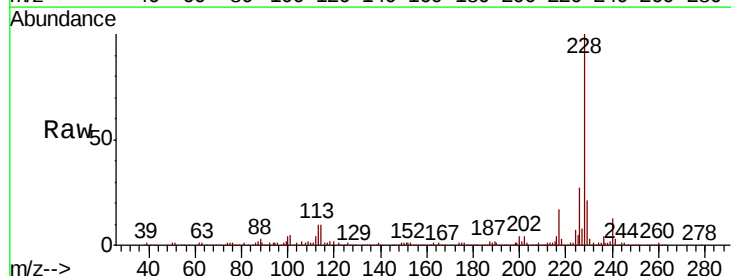
Instrument :
 BNA_F
 ClientSampleId :

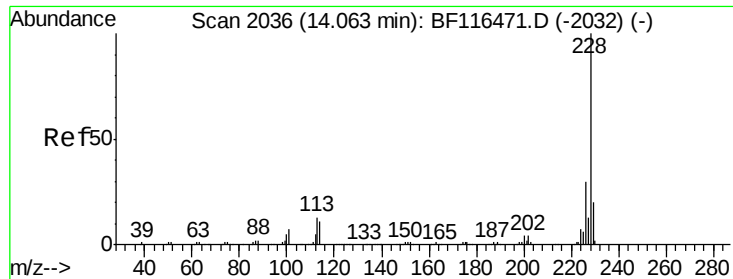
Tot Ion:244 Resp: 482049
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 12.4 10.0 15.0



#81
 Benzo(a)anthracene
 Concen: 52.726 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.00 min
 Lab File: BF116628.D
 Acq: 28 Aug 2019 21:24

Tgt Ion:228 Resp: 366079
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.5 32.3
 229 21.3 15.4 23.0

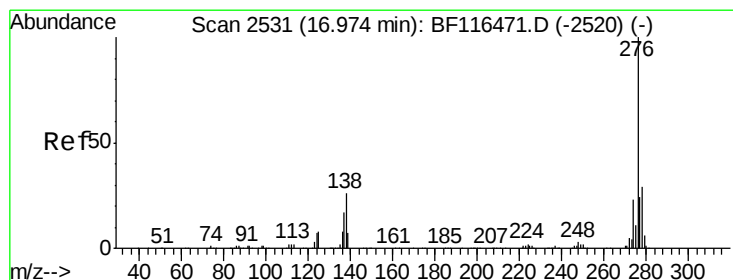
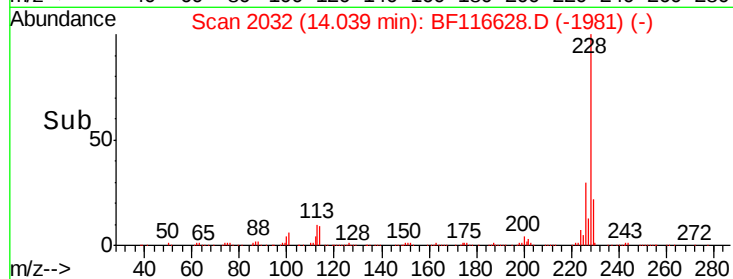
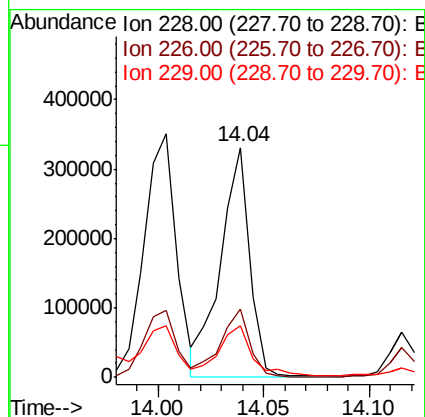
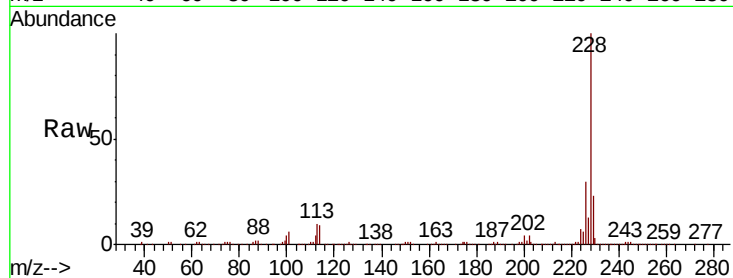




#83
Chrysene
Concen: 46.019 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF116628.D
Acq: 28 Aug 2019 21:24

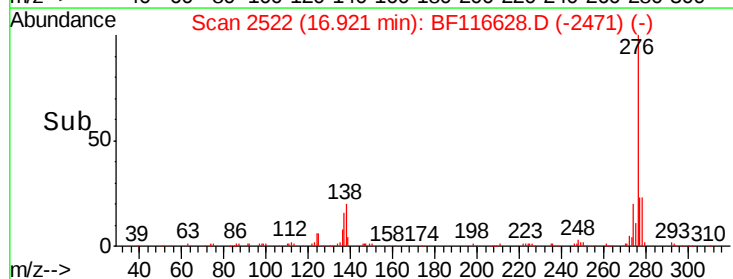
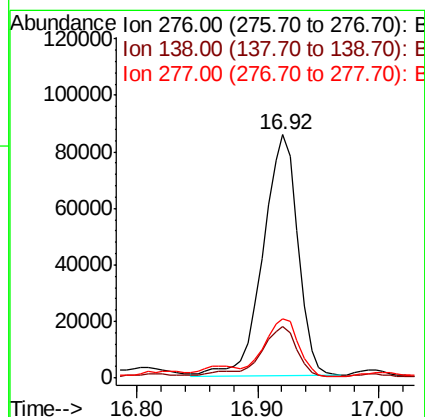
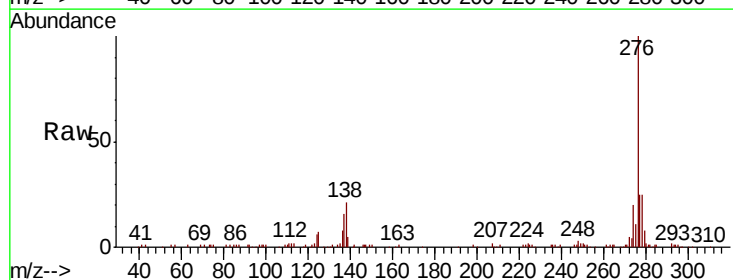
Instrument :
BNA_F
ClientSampleId :

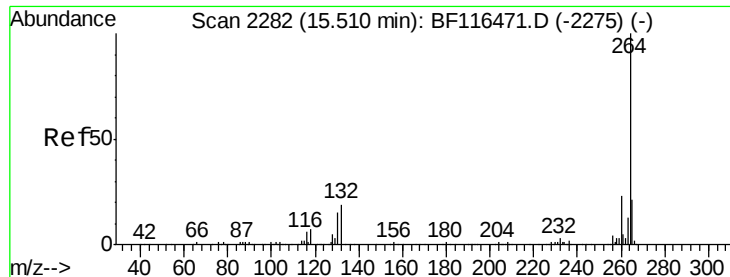
Tot Ion:228 Resp: 312794
Ion Ratio Lower Upper
228 100
226 29.7 24.0 36.0
229 22.6 15.8 23.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 31.687 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.00 min
Lab File: BF116628.D
Acq: 28 Aug 2019 21:24

Tgt Ion:276 Resp: 171196
Ion Ratio Lower Upper
276 100
138 22.5 21.5 32.3
277 23.7 20.0 30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.00 min

Lab File: BF116628.D

Acq: 28 Aug 2019 21:24

Instrument :

BNA_F

ClientSampled :

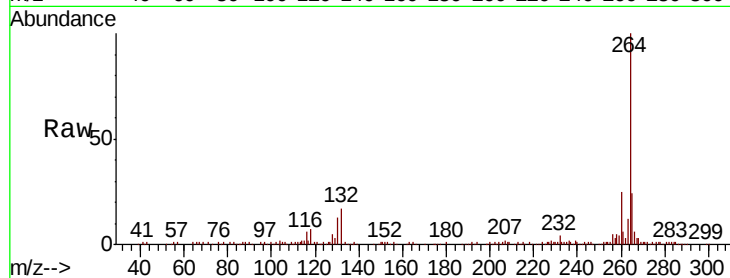
Tot Ion:264 Resp: 120485

Ion Ratio Lower Upper

264 100

260 24.7 20.0 30.0

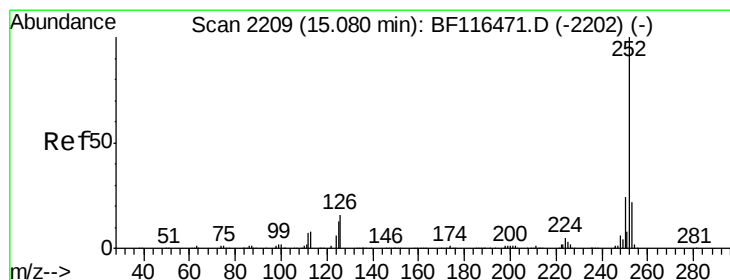
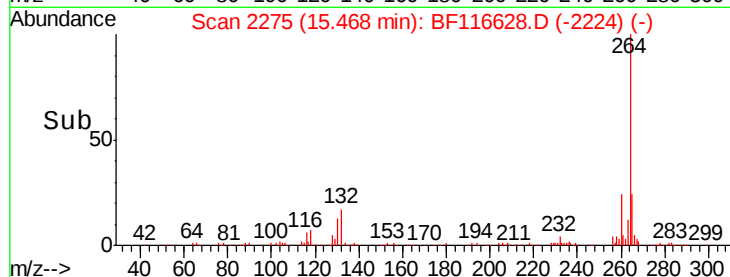
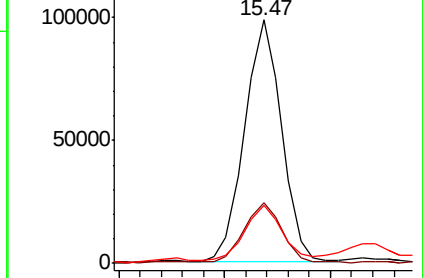
265 24.1 17.6 26.4



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: 70.439 ng

RT: 15.05 min Scan# 2204

Delta R.T. 0.01 min

Lab File: BF116628.D

Acq: 28 Aug 2019 21:24

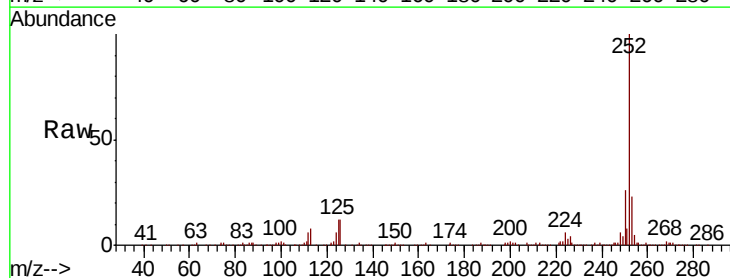
Tgt Ion:252 Resp: 521173

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

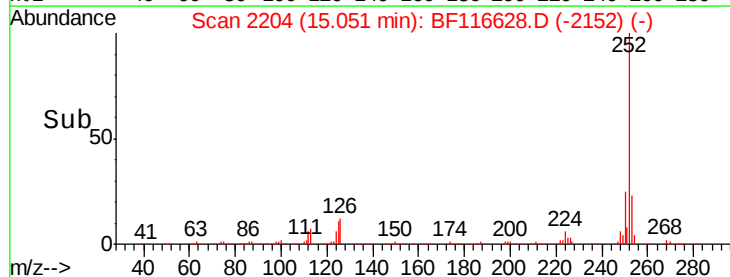
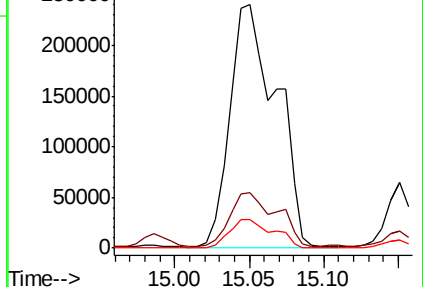
125 11.5 9.0 13.6

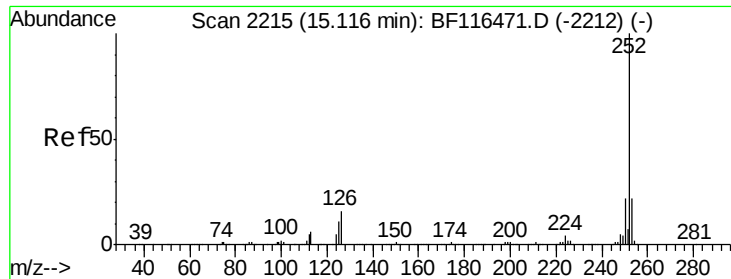


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

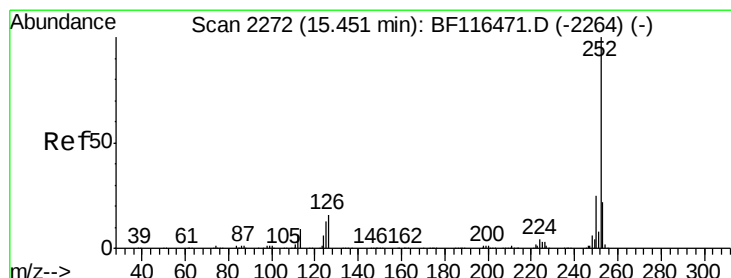
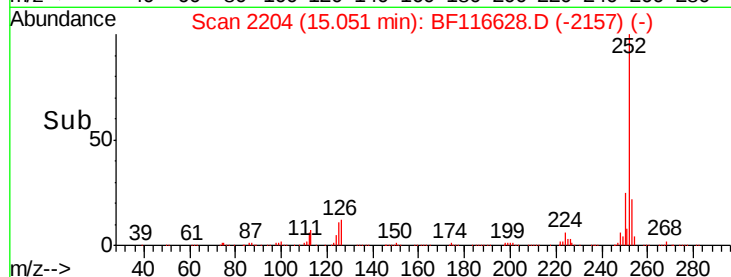
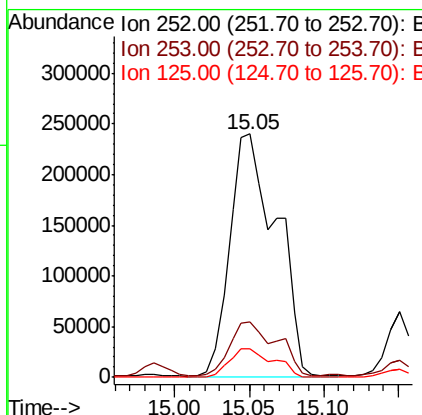
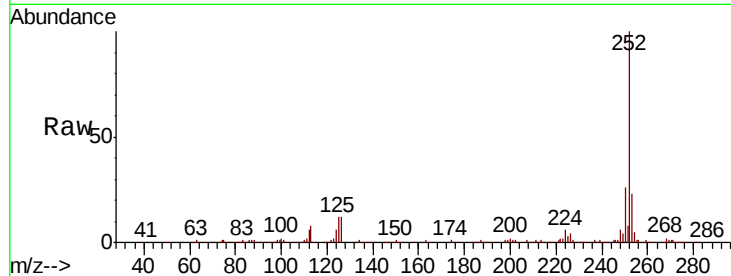




#89
Benzo(k)fluoranthene
Concen: 74.103 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF116628.D
Acq: 28 Aug 2019 21:24

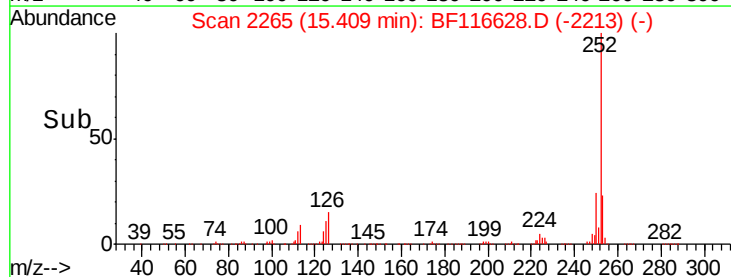
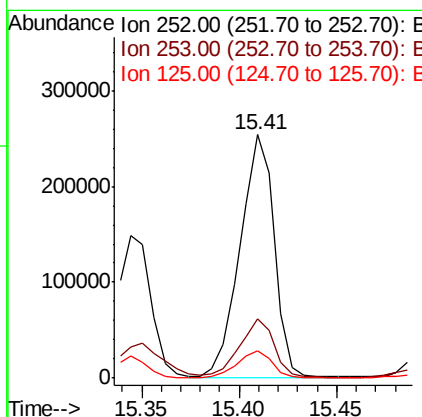
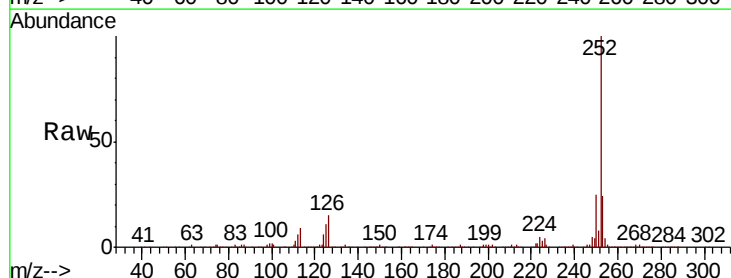
Instrument :
BNA_F
ClientSampleId :

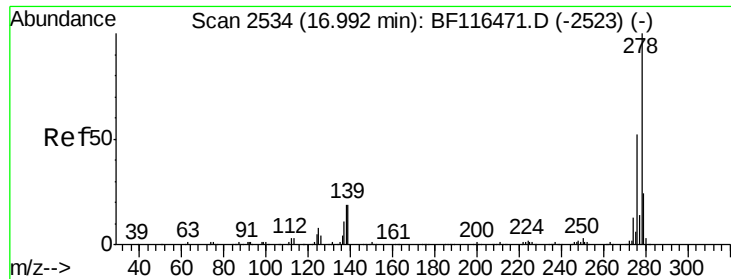
Tot Ion:252 Resp: 521173
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 11.5 8.6 13.0



#90
Benzo(a)pyrene
Concen: 46.370 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF116628.D
Acq: 28 Aug 2019 21:24

Tgt Ion:252 Resp: 306203
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 11.4 10.6 16.0





#91

Dibenzo(a,h)anthracene

Concen: 6.034 ng

RT: 17.09 min Scan# 2551

Delta R.T. 0.15 min

Lab File: BF116628.D

Acq: 28 Aug 2019 21:24

Instrument :

BNA_F

ClientSampleId :

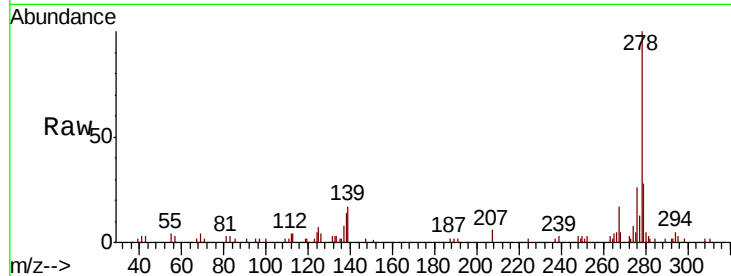
Tot Ion:278 Resp: 37179

Ion Ratio Lower Upper

278 100

139 17.0 14.1 21.1

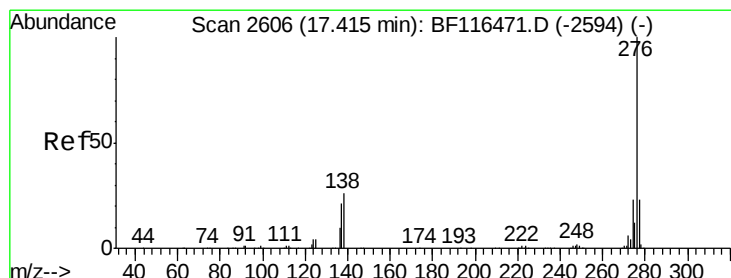
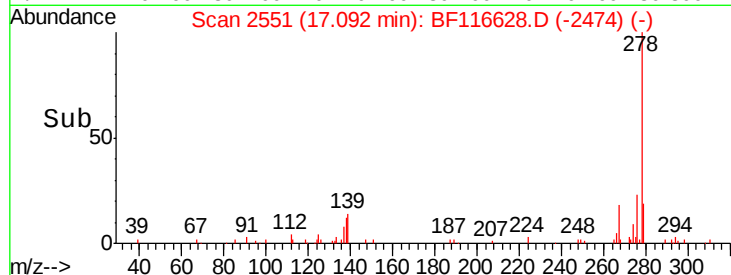
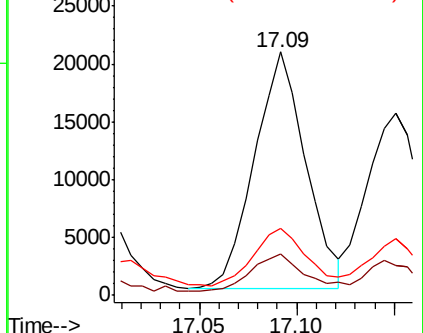
279 27.7 19.5 29.3



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 23.277 ng

RT: 17.36 min Scan# 2597

Delta R.T. -0.00 min

Lab File: BF116628.D

Acq: 28 Aug 2019 21:24

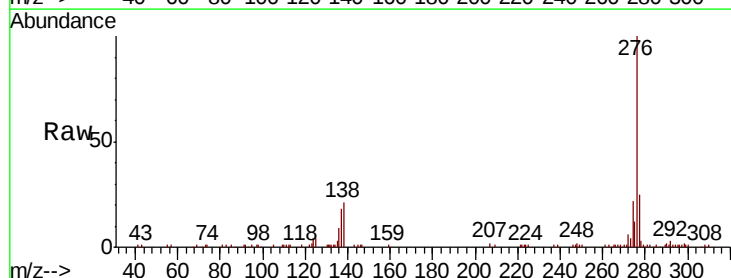
Tgt Ion:276 Resp: 149135

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.4

138 21.4 18.2 27.2



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

