

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116637.D
 Acq On : 29 Aug 2019 1:29
 Operator : HP/JU
 Sample : K4576-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 29 03:35:40 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	69317	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	281274	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	200948	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	168263	20.00	ng	0.00
76) Chrysene-d12	14.00	240	100854	20.00	ng	0.00
87) Perylene-d12	15.46	264	113424	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	611528	152.38	ng	0.00
7) Phenol-d6	6.49	99	643571	118.28	ng	0.00
23) Nitrobenzene-d5	7.42	82	405408	82.47	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	132926	69.51	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	704712	58.36	ng	0.00
79) Terphenyl-d14	12.96	244	423226	68.25	ng	0.00

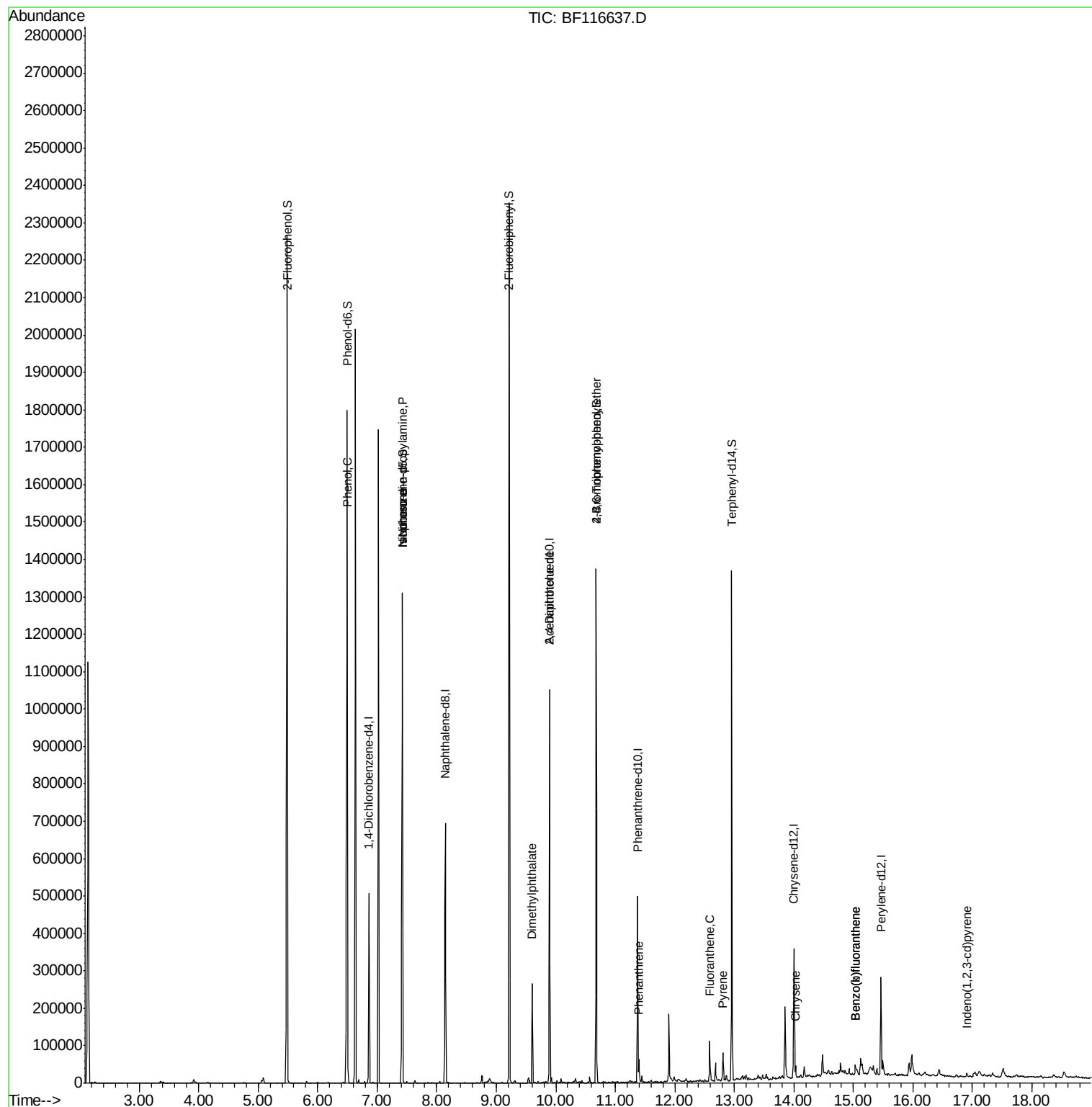
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	1234	Below Cal		# 1
10) Phenol	6.50	94	32168	5.390	ng	98
19) n-Nitroso-di-n-propylamine	7.42	70	54044	15.620	ng	# 78
25) Isophorone	7.42	82	405399	45.303	ng	# 65
50) Dimethylphthalate	9.60	163	96944	7.176	ng	99
57) 2,4-Dinitrotoluene	9.90	165	24921	6.340	ng	# 27
67) 4-Bromophenyl-phenylether	10.68	248	9378	5.254	ng	# 1
71) Phenanthrene	11.40	178	19864	2.198	ng	98
75) Fluoranthene	12.59	202	38127	4.704	ng	96
78) Pyrene	12.81	202	29269	3.156	ng	96
83) Chrysene	14.03	228	13286	2.018	ng	95
86) Indeno(1,2,3-cd)pyrene	16.90	276	4385	4.652	ng	95
88) Benzo(b)fluoranthene	15.03	252	18970	2.723	ng	# 91
89) Benzo(k)fluoranthene	15.03	252	18970	2.865	ng	# 91

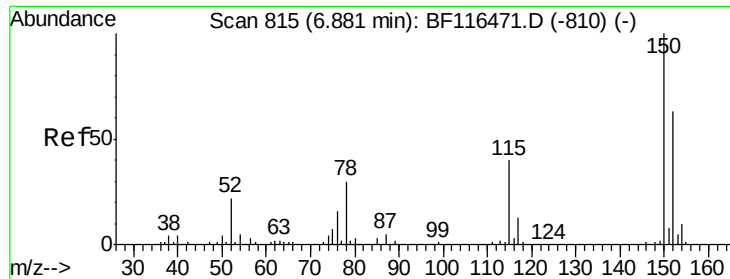
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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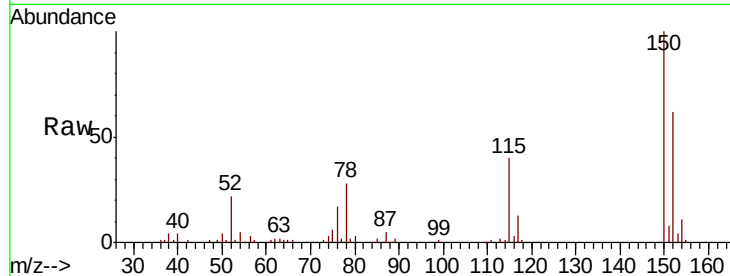


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF116637.D
Acq: 29 Aug 2019 1:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	123.4	185.2
115	64.9	48.2	72.2

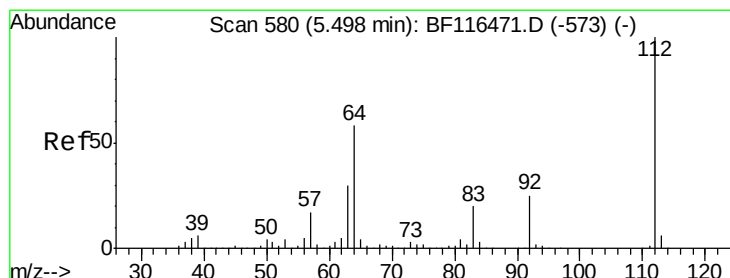
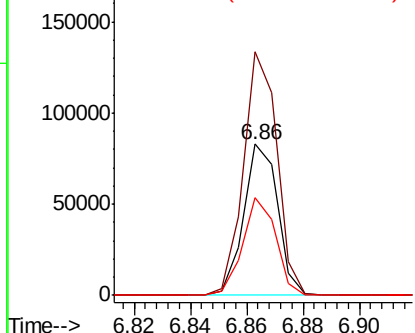
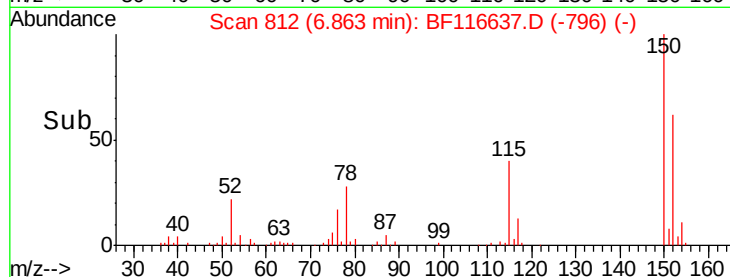


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

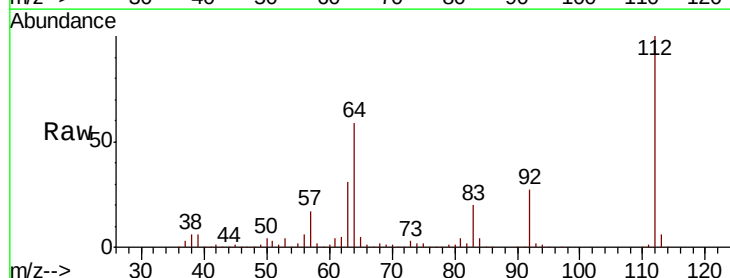
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 152.379 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF116637.D
Acq: 29 Aug 2019 1:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	48.0	72.0
63	30.9	24.6	36.8

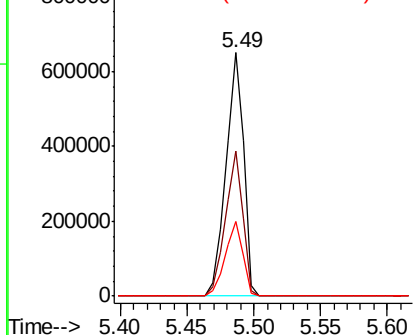
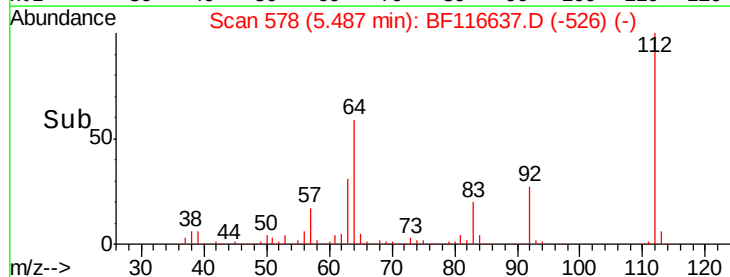


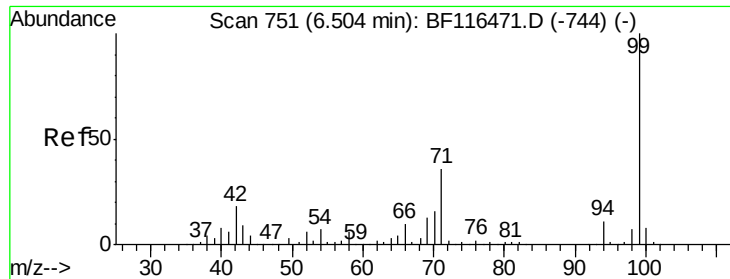
Abundance

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: 118.285 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF116637.D

Acq: 29 Aug 2019 1:29

Instrument :

BNA_F

ClientSampleId :

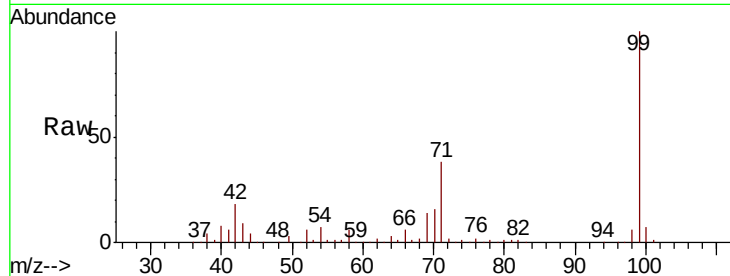
Tot Ion: 99 Resp: 643571

Ion Ratio Lower Upper

99 100

42 17.8 13.2 19.8

71 38.1 27.4 41.2



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

6.49

800000

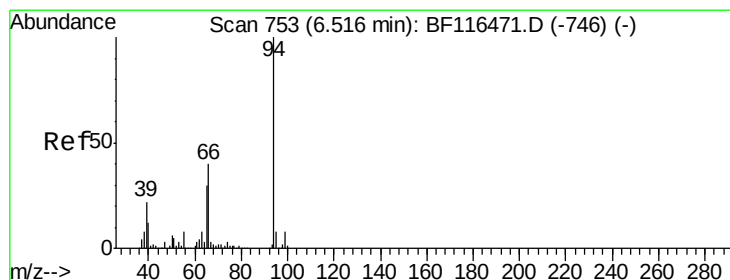
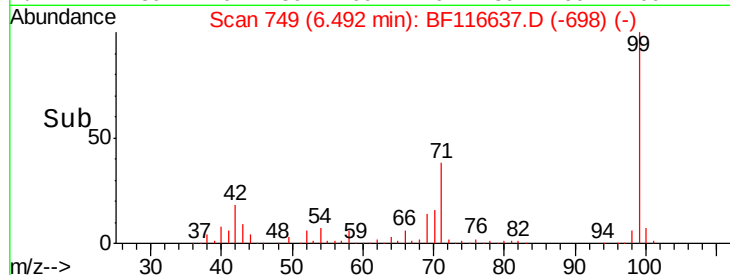
600000

400000

200000

0

Time--> 6.40 6.45 6.50 6.55 6.60



#10

Phenol

Concen: 5.390 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116637.D

Acq: 29 Aug 2019 1:29

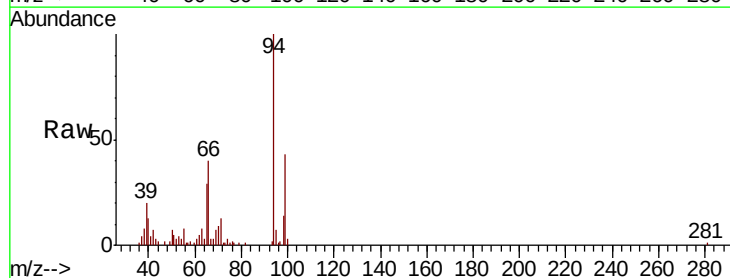
Tgt Ion: 94 Resp: 32168

Ion Ratio Lower Upper

94 100

65 29.1 8.6 48.6

66 39.6 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

6.50

80000

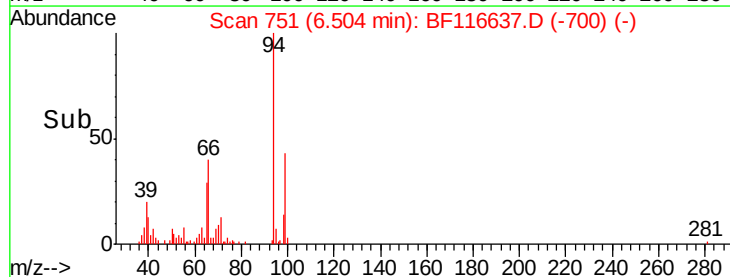
60000

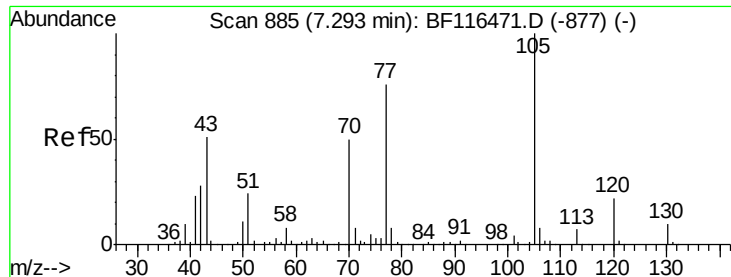
40000

20000

0

Time--> 6.46 6.48 6.50 6.52 6.54

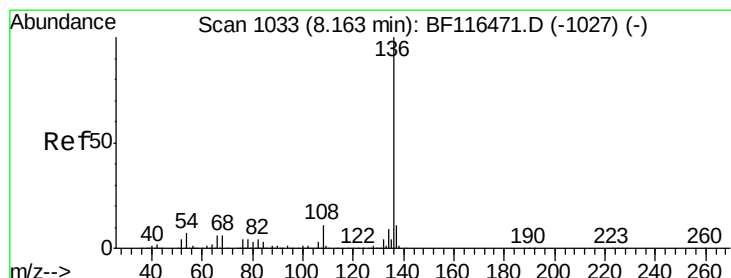
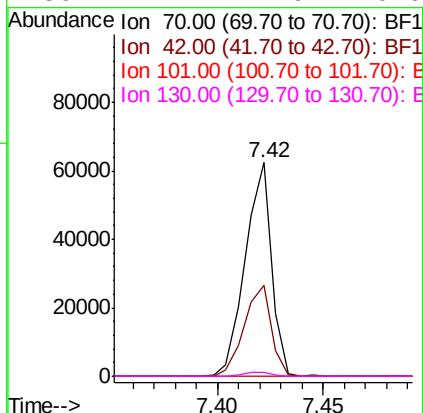
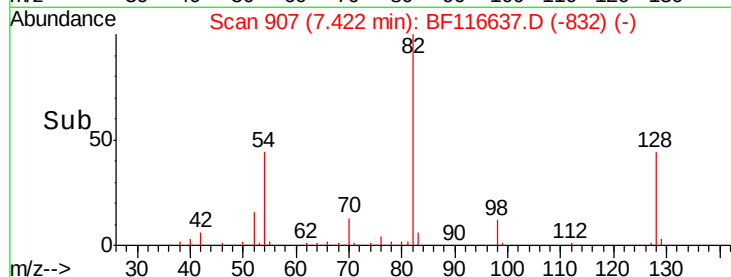
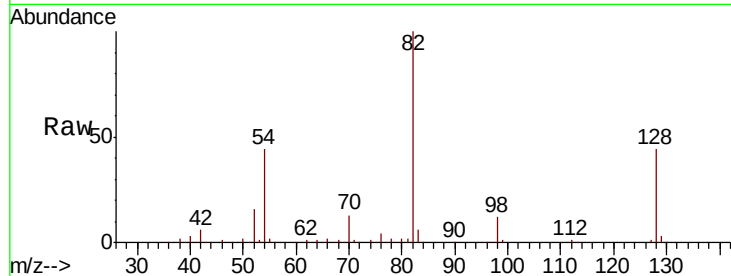




#19
n-Nitroso-di-n-propylamine
Concen: 15.620 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.14 min
Lab File: BF116637.D
Acq: 29 Aug 2019 1:29

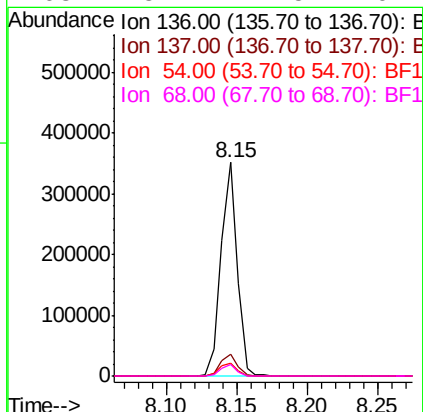
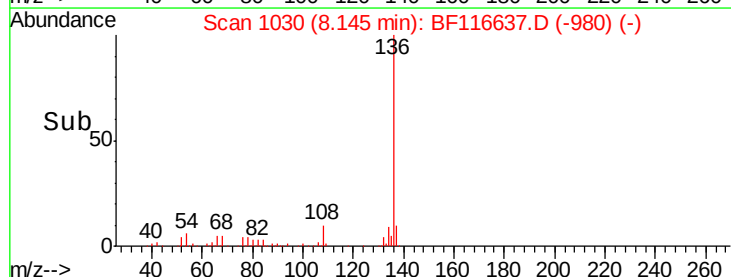
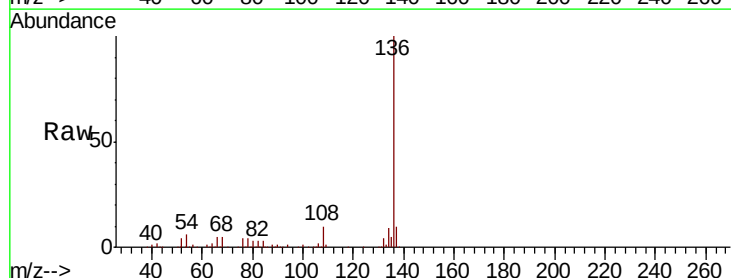
Instrument :
BNA_F
ClientSampled :

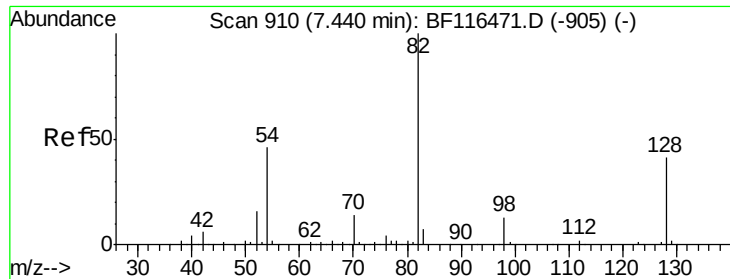
Tot Ion: 70 Resp: 54044
Ion Ratio Lower Upper
70 100
42 42.3 41.2 61.8
101 0.0 7.7 11.5#
130 2.1 17.9 26.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116637.D
Acq: 29 Aug 2019 1:29

Tgt Ion: 136 Resp: 281274
Ion Ratio Lower Upper
136 100
137 10.4 8.7 13.1
54 6.2 5.0 7.4
68 5.2 4.5 6.7

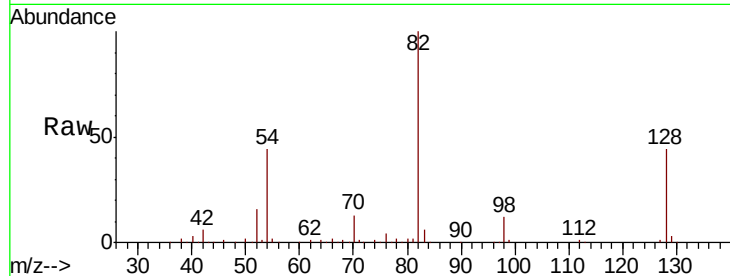




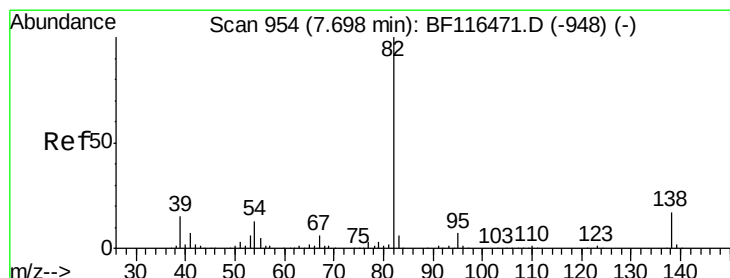
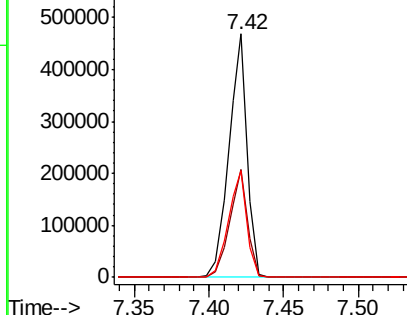
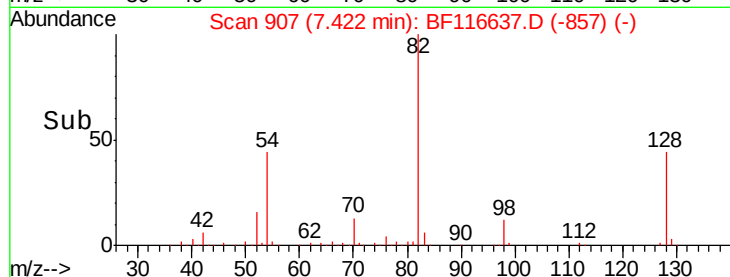
#23
 Nitrobenzene-d5
 Concen: 82.473 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF116637.D
 Acq: 29 Aug 2019 1:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	405408
Ion Ratio	100	Lower	Upper
128	44.1	35.0	52.6
54	43.9	34.4	51.6

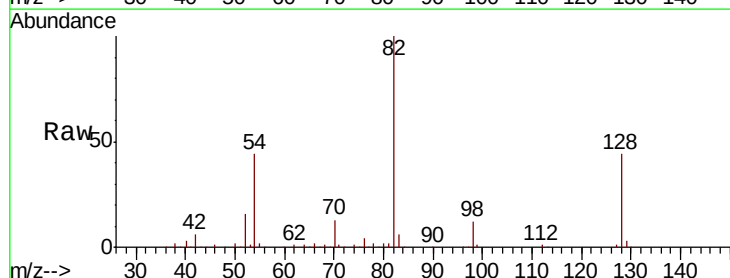


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

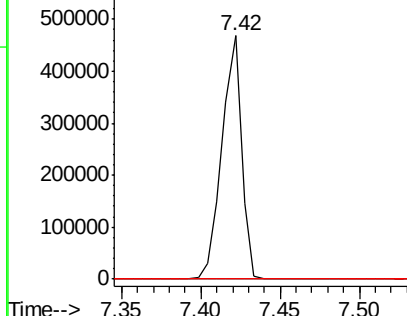
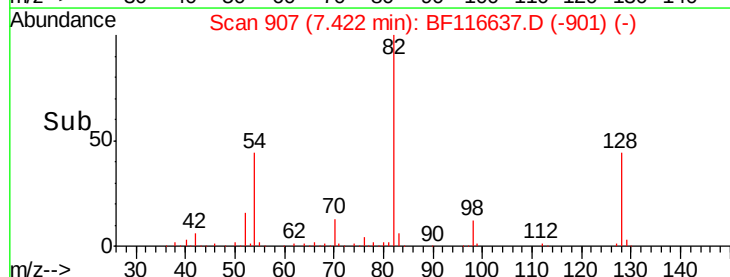


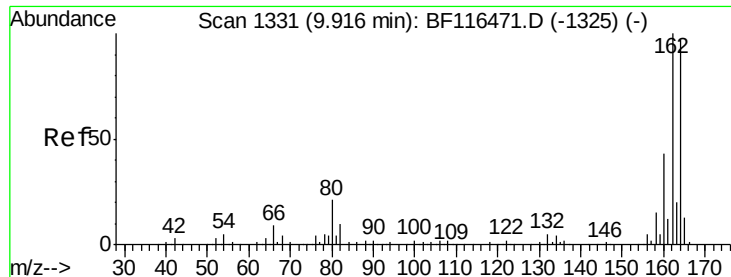
#25
 Isophorone
 Concen: 45.303 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.26 min
 Lab File: BF116637.D
 Acq: 29 Aug 2019 1:29

Tgt Ion	82	Resp	405399
Ion Ratio	100	Lower	Upper
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: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF116637.D

Acq: 29 Aug 2019 1:29

Instrument :

BNA_F

ClientSampleId :

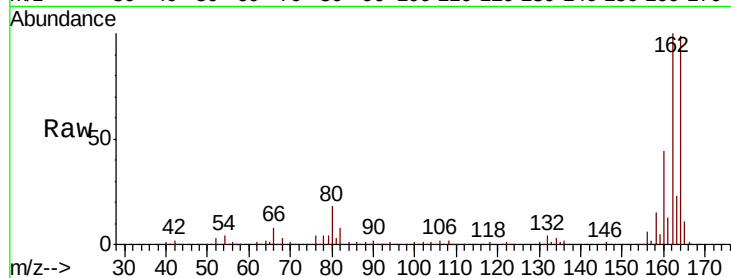
Tot Ion:164 Resp: 200948

Ion Ratio Lower Upper

164 100

162 101.0 83.4 125.0

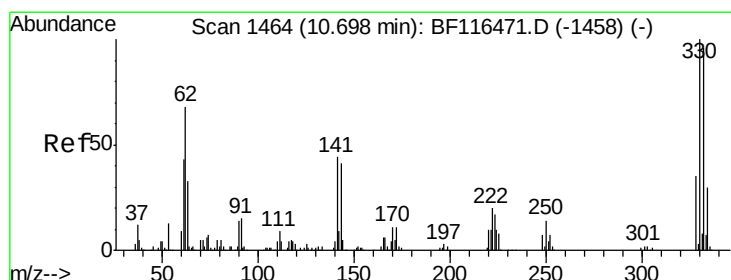
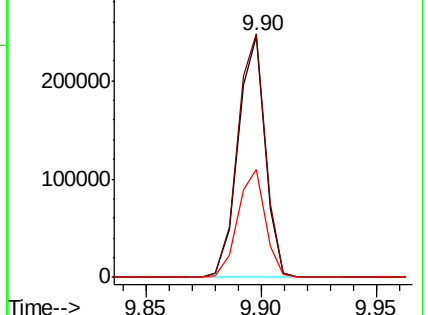
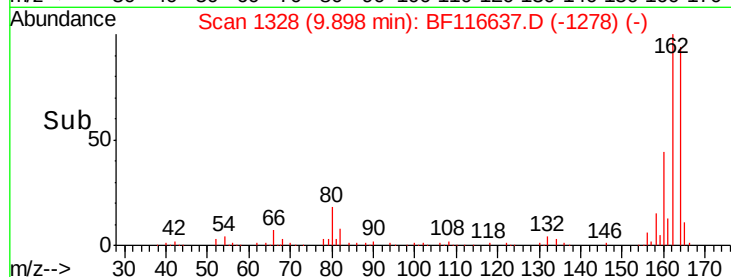
160 44.8 37.0 55.4



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: 69.513 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF116637.D

Acq: 29 Aug 2019 1:29

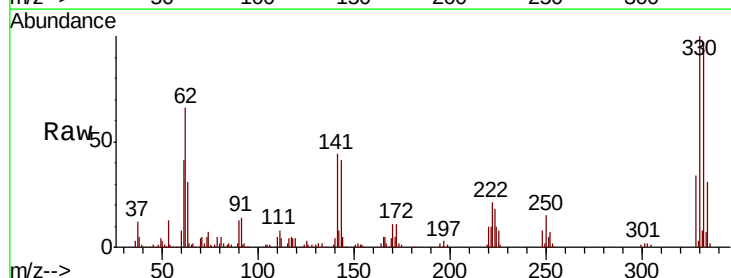
Tgt Ion:330 Resp: 132926

Ion Ratio Lower Upper

330 100

332 97.4 77.5 116.3

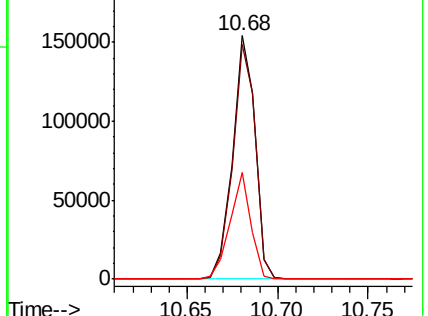
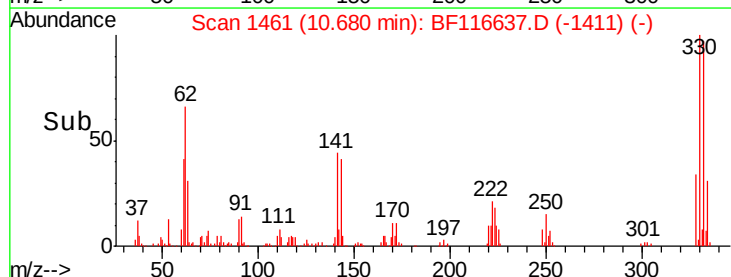
141 40.9 28.2 42.2

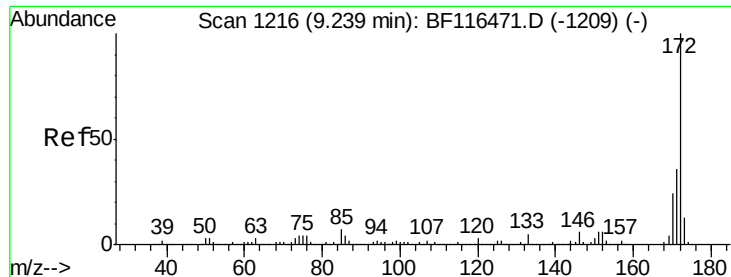


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

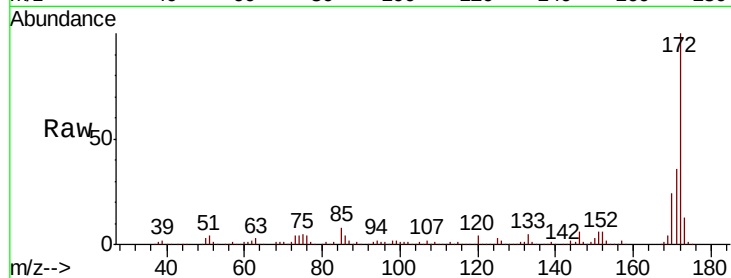




#45
2-Fluorobiphenyl
Concen: 58.362 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF116637.D
Acq: 29 Aug 2019 1:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.6
170	23.7	19.3	28.9

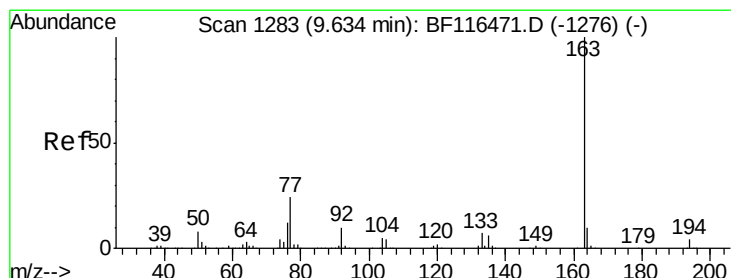
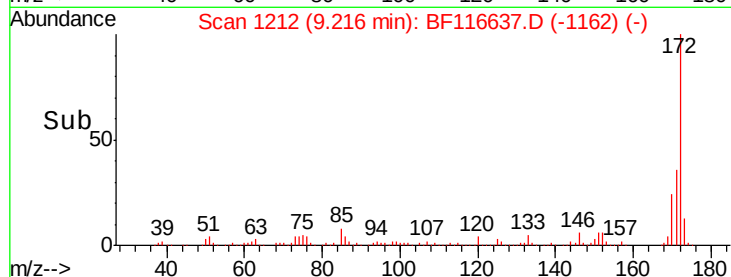
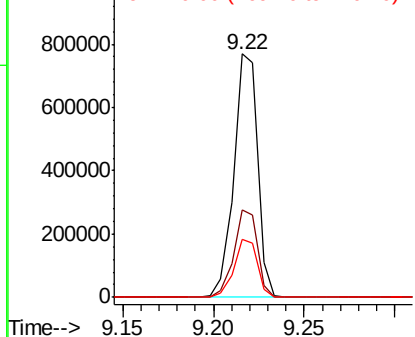


Abundance

Ion 172.00 (171.70 to 172.70): E

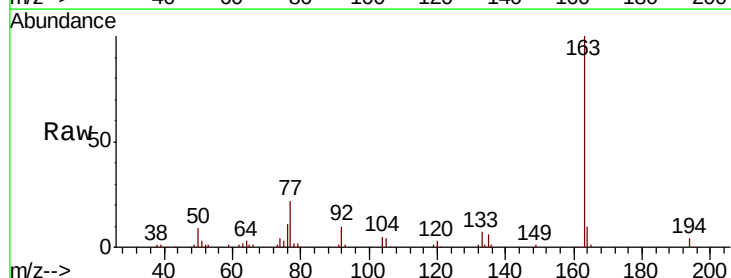
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 7.176 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF116637.D
Acq: 29 Aug 2019 1:29

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.6
164	10.5	8.2	12.2

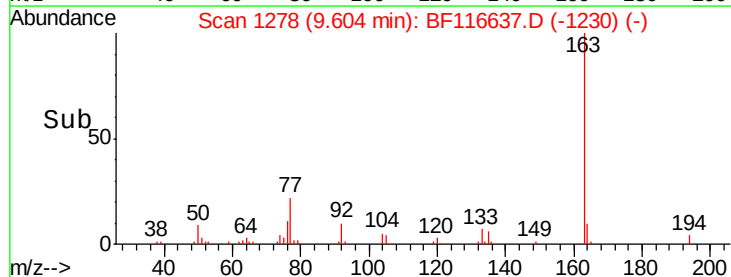
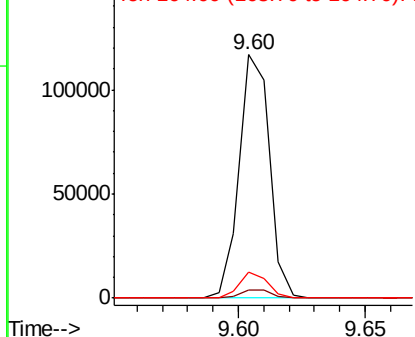


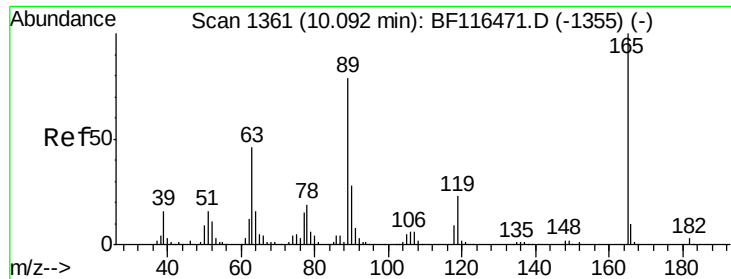
Abundance

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

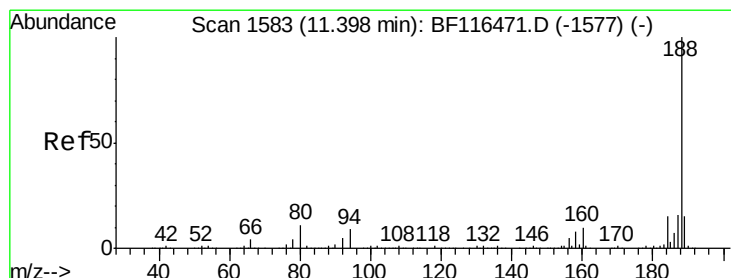
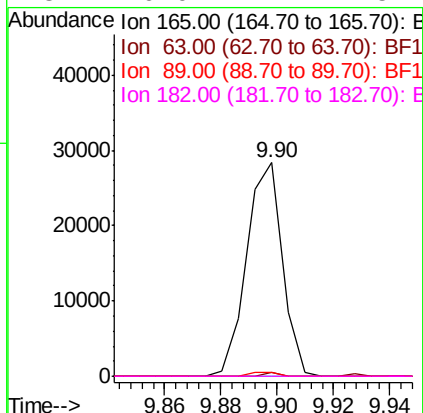
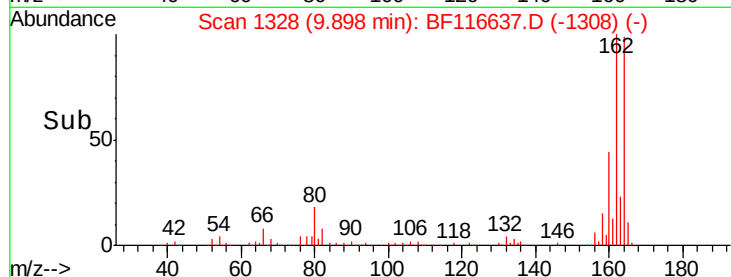
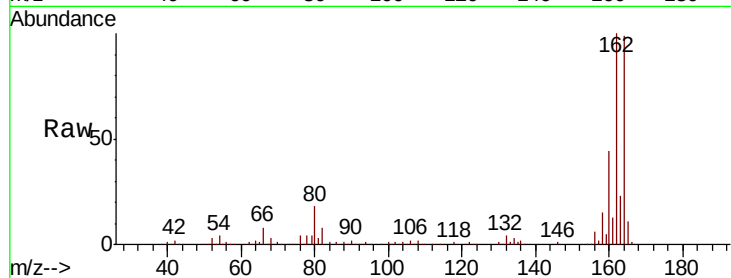




#57
 2,4-Dinitrotoluene
 Concen: 6.340 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.18 min
 Lab File: BF116637.D
 Acq: 29 Aug 2019 1:29

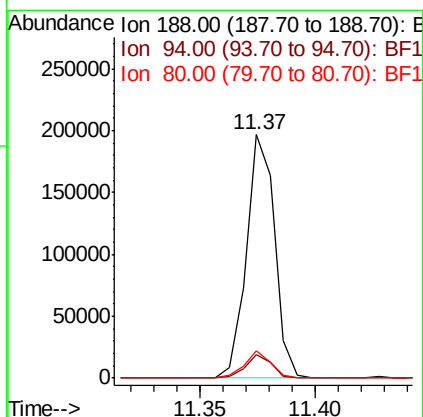
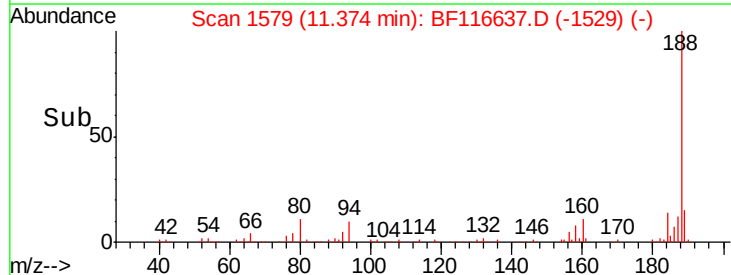
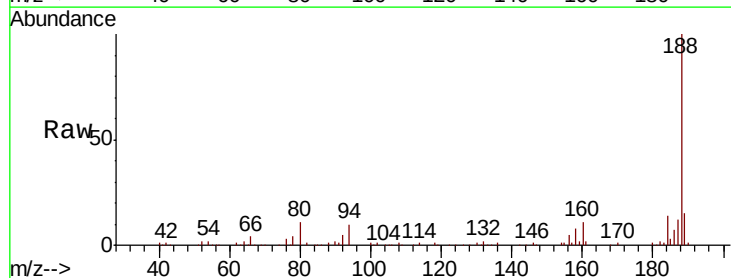
Instrument :
 BNA_F
 ClientSampleId :

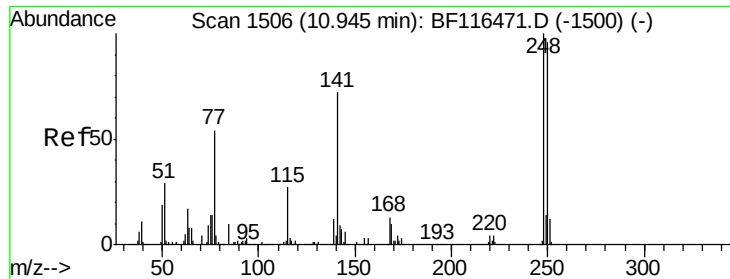
Tot Ion:165	Resp: 24921
Ion Ratio	Lower Upper
165 100	
63 1.6	30.9 46.3#
89 1.7	55.0 82.6#
182 0.0	2.2 3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF116637.D
 Acq: 29 Aug 2019 1:29

Tgt	Ion:188	Resp:	168263
Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.2	12.4
80	11.0	8.9	13.3

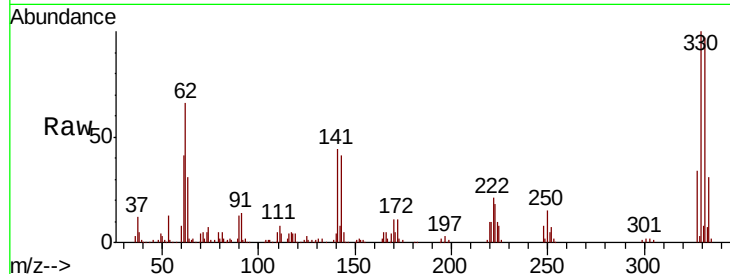




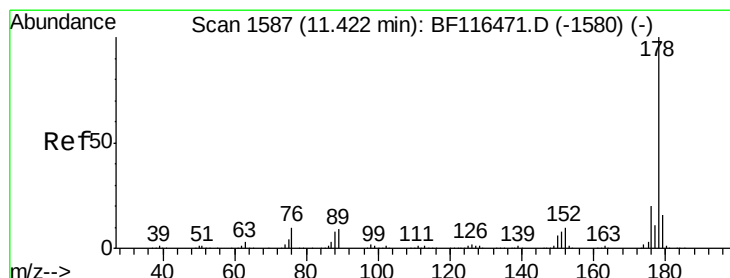
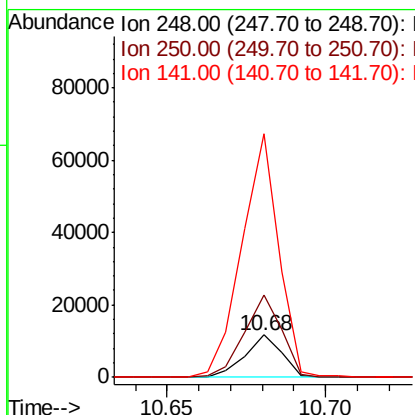
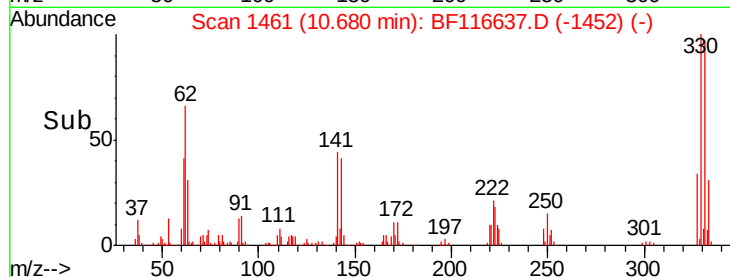
#67
 4-Bromophenyl-phenylether
 Concen: 5.254 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.25 min
 Lab File: BF116637.D
 Acq: 29 Aug 2019 1:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 9378
 Ion Ratio Lower Upper
 248 100
 250 195.9 76.6 115.0#
 141 575.5 60.8 91.2#

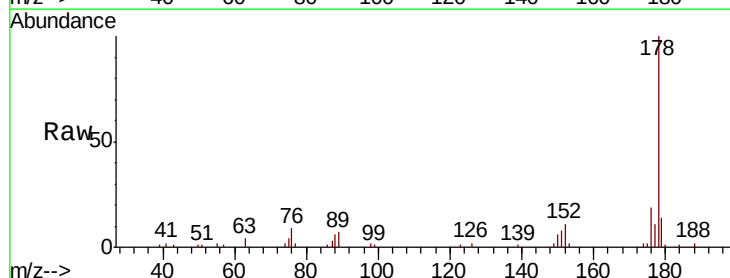


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

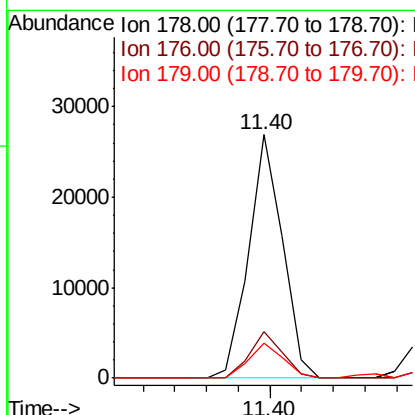
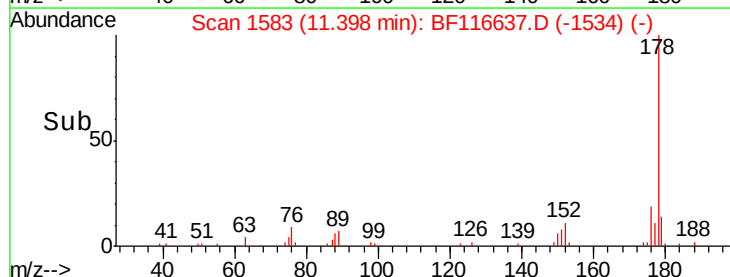


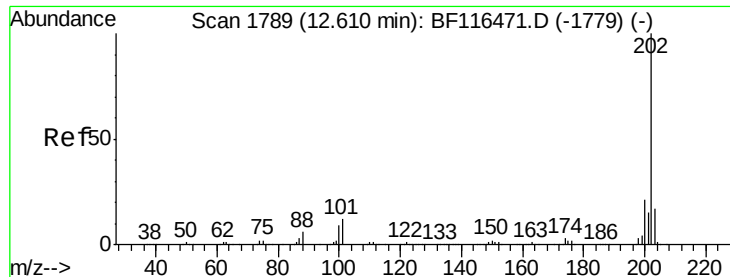
#71
 Phenanthrene
 Concen: 2.198 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF116637.D
 Acq: 29 Aug 2019 1:29

Tgt Ion:178 Resp: 19864
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.5 23.3
 179 14.4 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

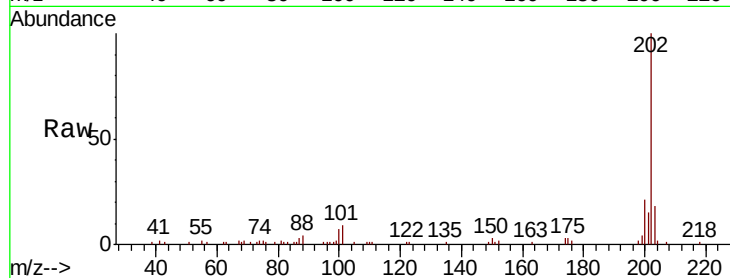




#75
Fluoranthene
Concen: 4.704 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BF116637.D
Acq: 29 Aug 2019 1:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	31.8
203	18.0	0.0	37.1

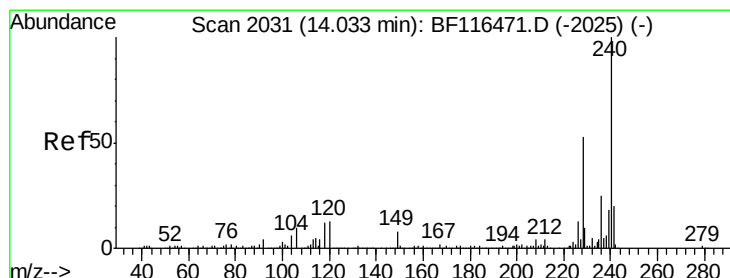
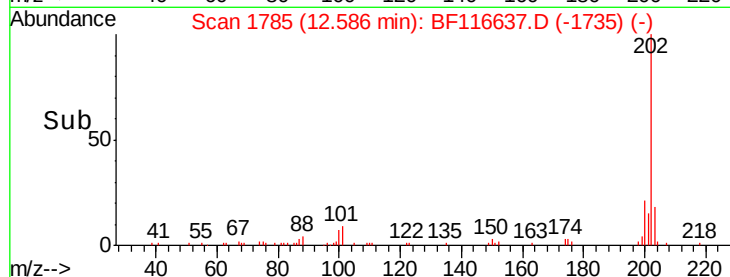
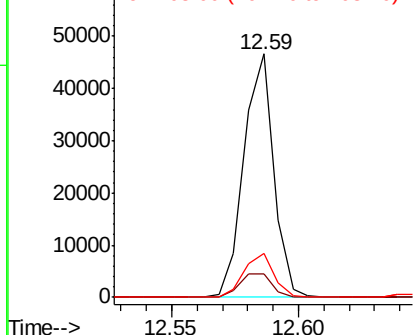


Abundance

Ion 202.00 (201.70 to 202.70): E

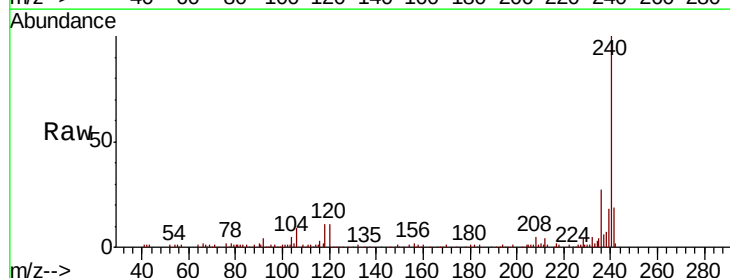
Ion 101.00 (100.70 to 101.70): E

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: BF116637.D
Acq: 29 Aug 2019 1:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.7	11.3	16.9#
236	27.0	21.4	32.2

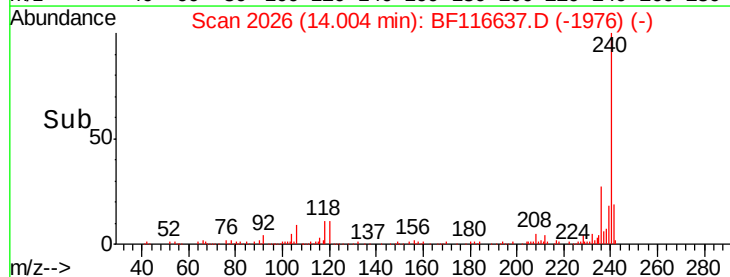
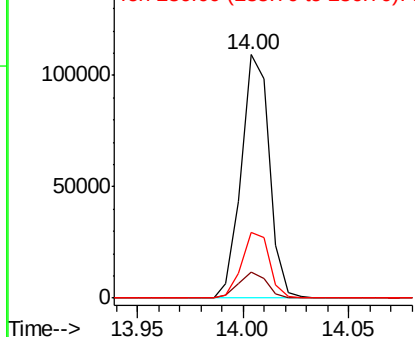


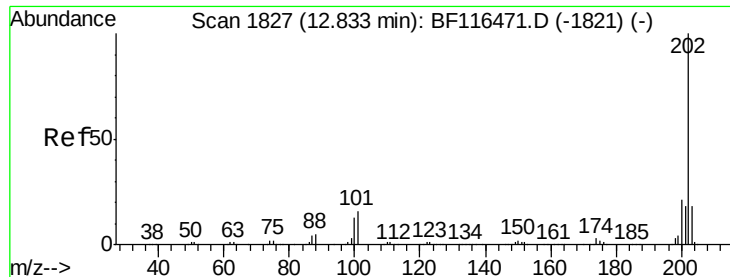
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

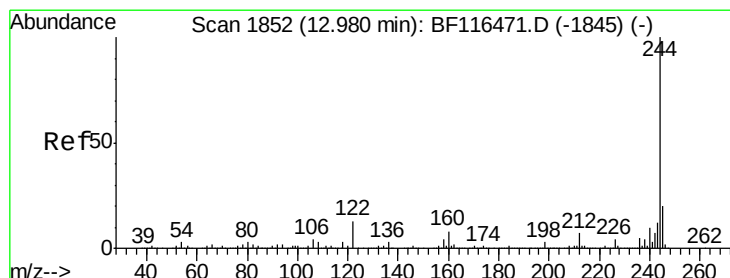
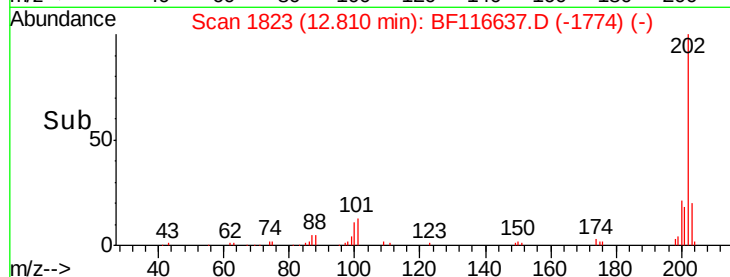
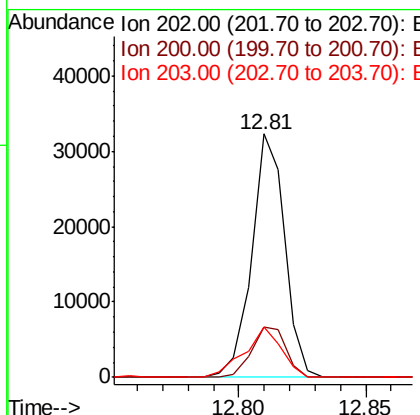
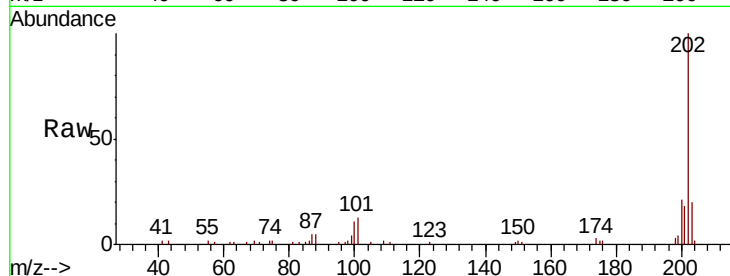




#78
Pvrene
Concen: 3.156 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF116637.D
Acq: 29 Aug 2019 1:29

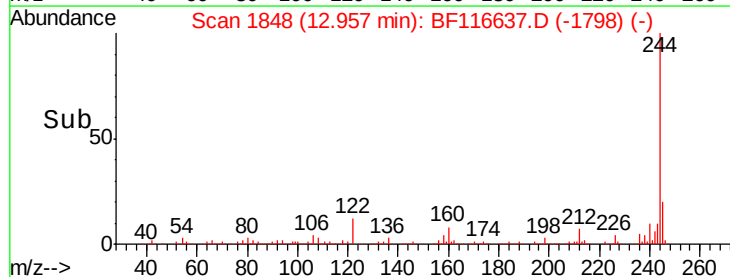
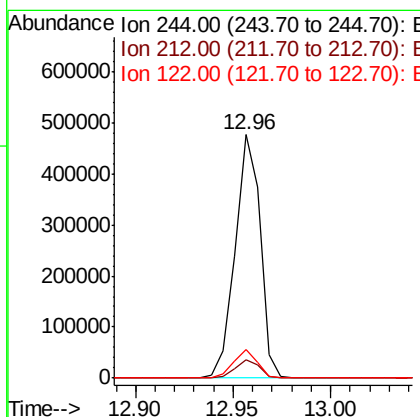
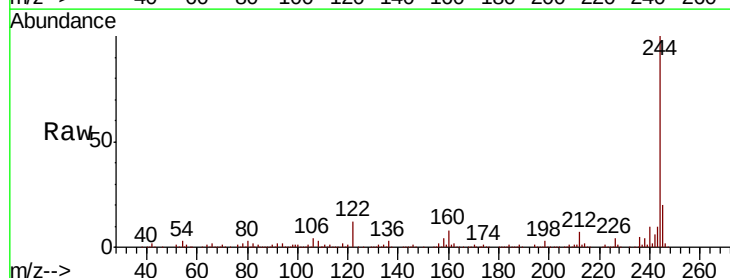
Instrument :
BNA_F
ClientSampleId :

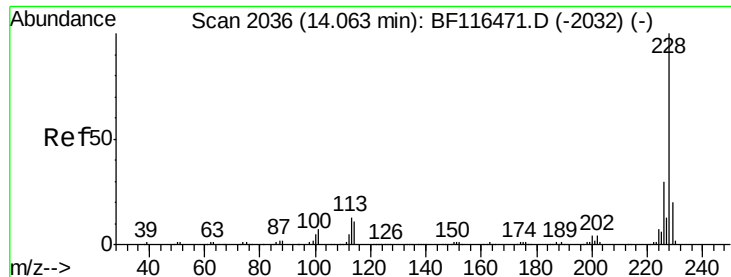
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.4	26.0
203	20.5	14.2	21.4



#79
Terphenyl-d14
Concen: 68.248 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF116637.D
Acq: 29 Aug 2019 1:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.9	8.9
122	11.6	10.0	15.0





#83

Chrysene

Concen: 2.018 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF116637.D

Acq: 29 Aug 2019 1:29

Instrument :

BNA_F

ClientSampleId :

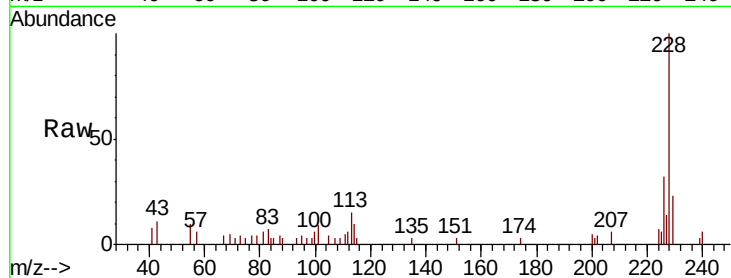
Tot Ion:228 Resp: 13286

Ion Ratio Lower Upper

228 100

226 31.8 24.0 36.0

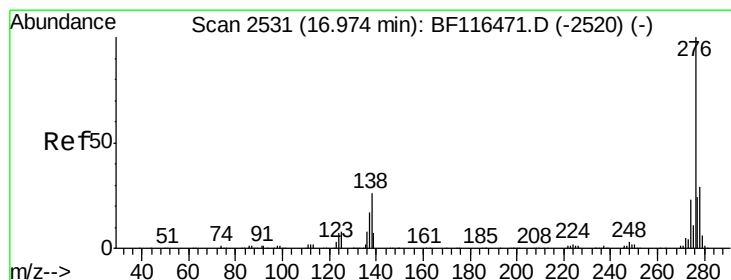
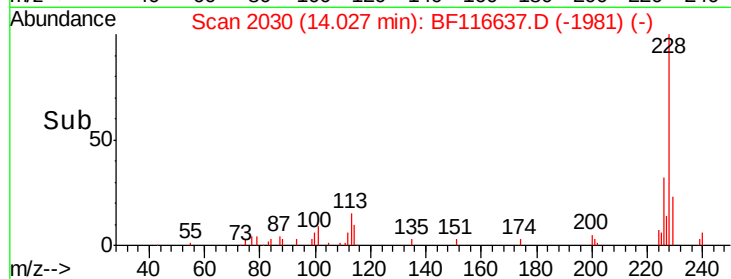
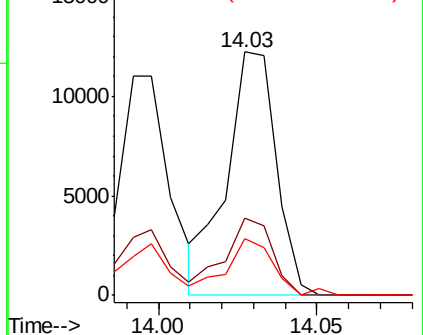
229 23.1 15.8 23.8



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: 4.652 ng

RT: 16.90 min Scan# 2519

Delta R.T. -0.02 min

Lab File: BF116637.D

Acq: 29 Aug 2019 1:29

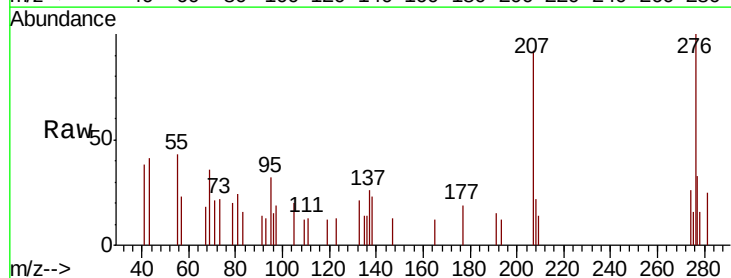
Tgt Ion:276 Resp: 4385

Ion Ratio Lower Upper

276 100

138 22.2 21.5 32.3

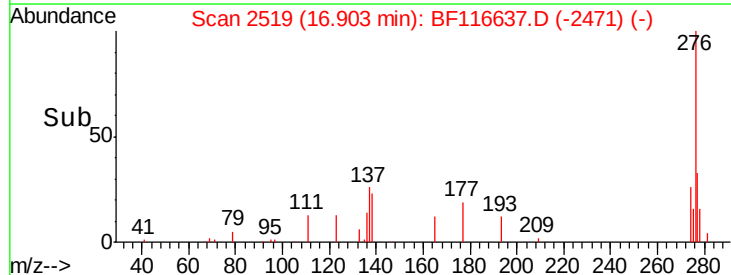
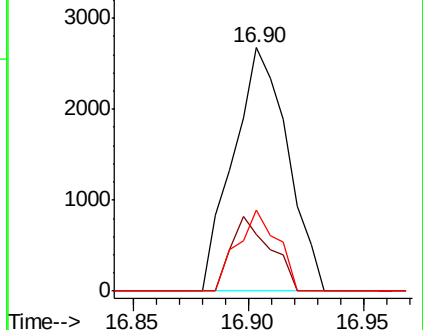
277 24.5 20.0 30.0

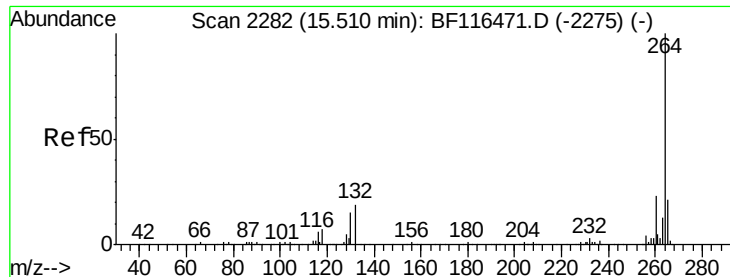


Abundance Ion 276.00 (275.70 to 276.70): E

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: BF116637.D

Acq: 29 Aug 2019 1:29

Instrument :

BNA_F

ClientSampleId :

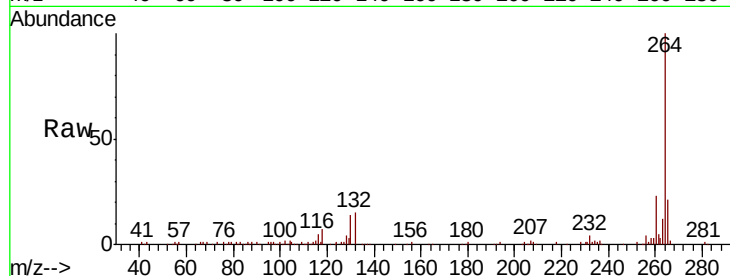
Tot Ion:264 Resp: 113424

Ion Ratio Lower Upper

264 100

260 22.7 20.0 30.0

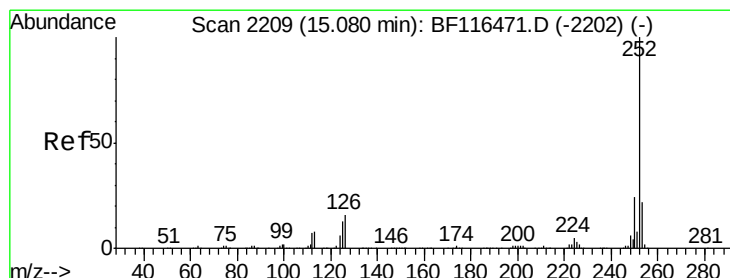
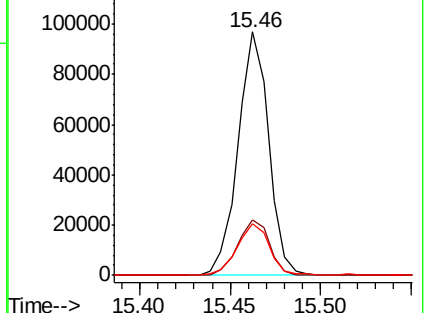
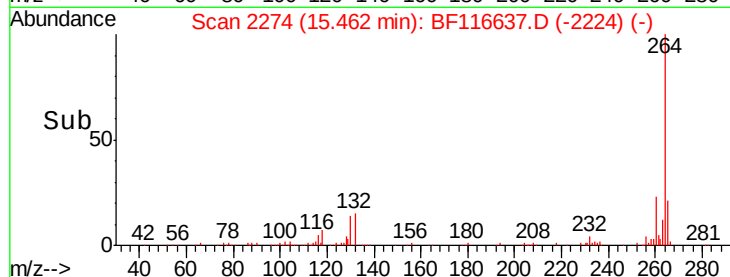
265 21.4 17.6 26.4



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: 2.723 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BF116637.D

Acq: 29 Aug 2019 1:29

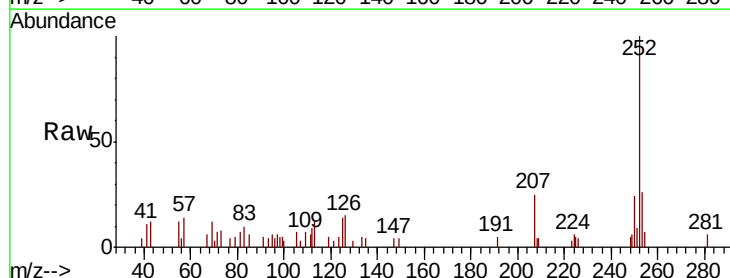
Tgt Ion:252 Resp: 18970

Ion Ratio Lower Upper

252 100

253 26.1 17.3 25.9#

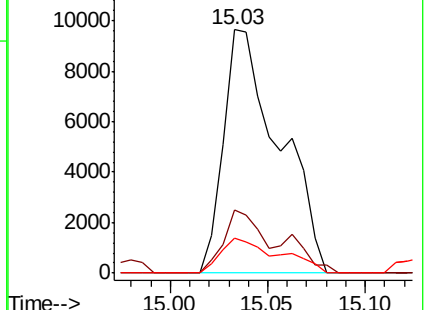
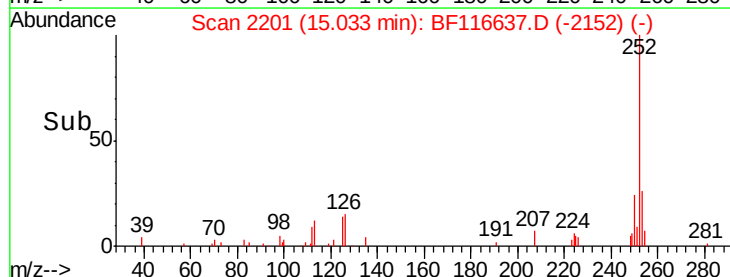
125 14.2 9.0 13.6#

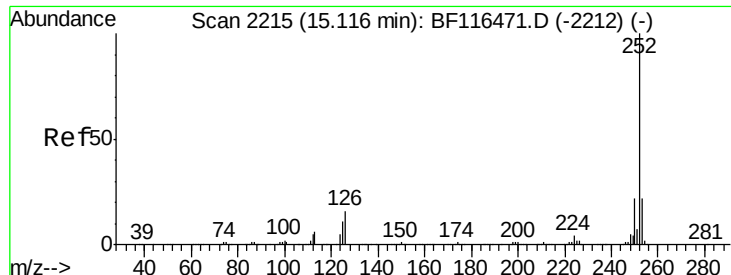


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89
 Benzo(k)fluoranthene
 Concen: 2.865 ng
 RT: 15.03 min Scan# 2201
 Delta R.T. -0.04 min
 Lab File: BF116637.D
 Acq: 29 Aug 2019 1:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.2	25.8#
125	14.2	8.6	13.0#

