

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116638.D
 Acq On : 29 Aug 2019 1:56
 Operator : HP/JU
 Sample : K4575-13
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 29 03:35:56 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	85302	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	366180	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	144689	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	248661	20.00	ng	0.00
76) Chrysene-d12	14.01	240	94000	20.00	ng	0.00
87) Perylene-d12	15.47	264	107969	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	434341	87.95	ng	0.00
7) Phenol-d6	6.49	99	641843	95.86	ng	0.00
23) Nitrobenzene-d5	7.42	82	373772	58.41	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	159538	115.87	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	686029	78.91	ng	0.00
79) Terphenyl-d14	12.96	244	354116	61.27	ng	0.00

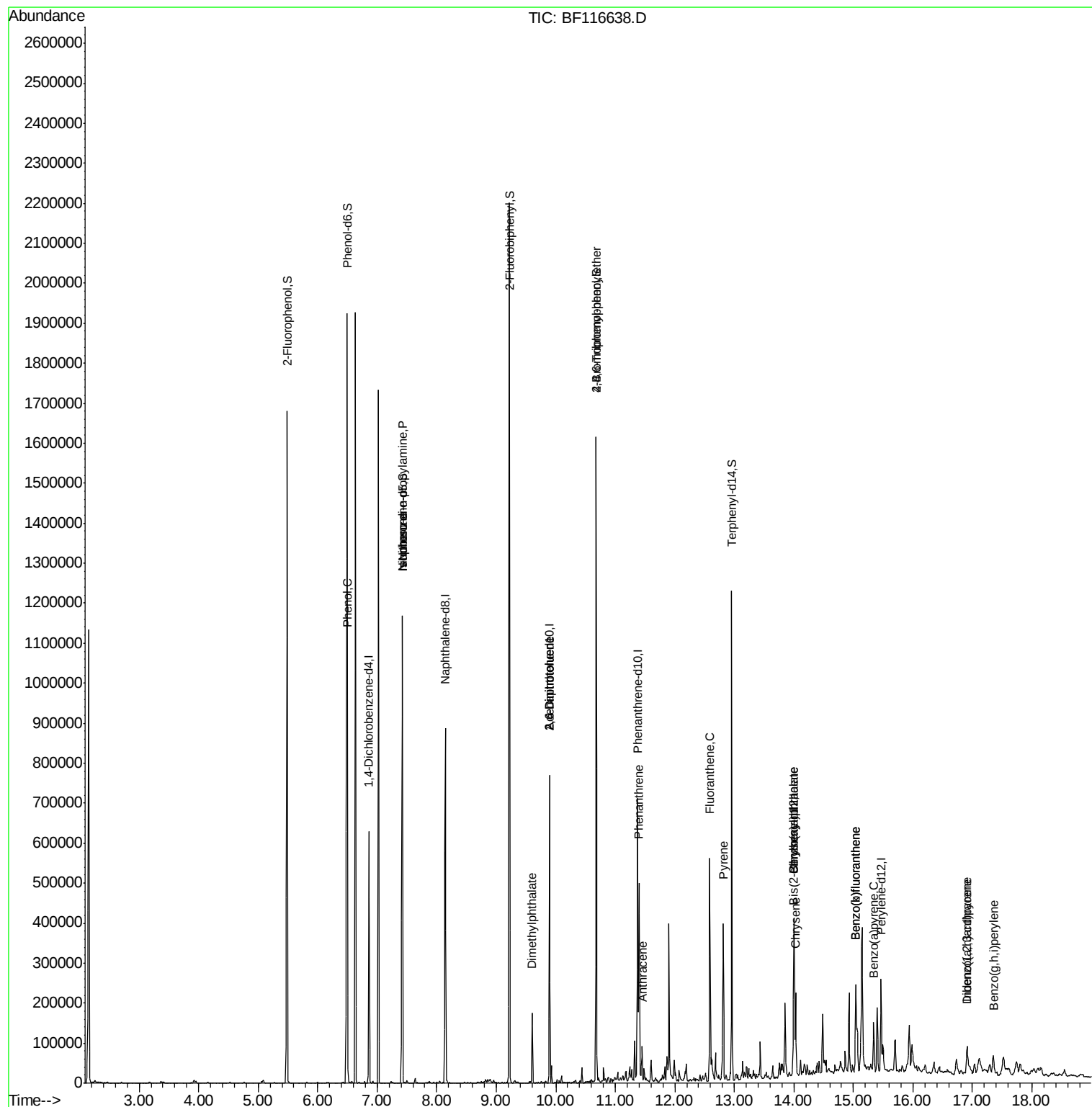
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	1340	Below Cal		# 1
10) Phenol	6.50	94	39611	5.393	ng	98
19) n-Nitroso-di-n-propylamine	7.42	70	50141	11.776	ng	# 77
25) Isophorone	7.42	82	373768	32.083	ng	# 65
50) Dimethylphthalate	9.60	163	65018	6.684	ng	99
51) 2,6-Dinitrotoluene	9.90	165	18638	8.689	ng	# 29
57) 2,4-Dinitrotoluene	9.90	165	18638	6.585	ng	# 26
67) 4-Bromophenyl-phenylether	10.68	248	10502	3.982	ng	# 1
71) Phenanthrene	11.40	178	174064	13.033	ng	98
72) Anthracene	11.45	178	30245	2.265	ng	95
75) Fluoranthene	12.59	202	191098	15.954	ng	99
78) Pylene	12.82	202	152843	17.683	ng	98
81) Benzo(a)anthracene	14.00	228	68067	10.861	ng	97
83) Chrysene	14.03	228	78984	12.874	ng	98
84) Bis(2-ethylhexyl)phthalate	13.99	149	9583	2.440	ng	# 95
86) Indeno(1,2,3-cd)pyrene	16.91	276	44461	12.433	ng	95
88) Benzo(b)fluoranthene	15.04	252	154424	23.290	ng	100
89) Benzo(k)fluoranthene	15.04	252	154424	24.502	ng	99
90) Benzo(a)pyrene	15.34	252	55360	9.355	ng	96
91) Dibenzo(a,h)anthracene	16.92	278	11301	2.047	ng	98
92) Benzo(g,h,i)perylene	17.35	276	39772	6.927	ng	97

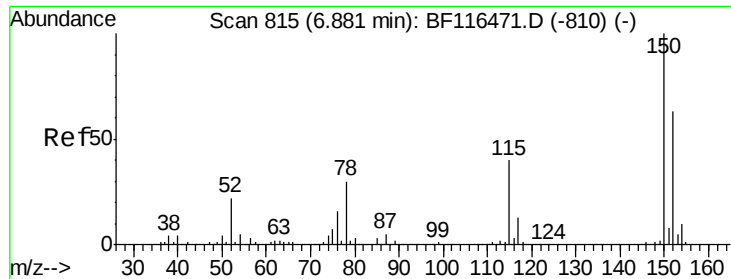
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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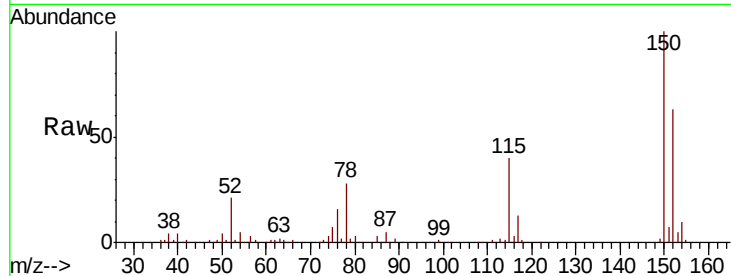


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF116638.D
Acq: 29 Aug 2019 1:56

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	123.4	185.2
115	63.2	48.2	72.2

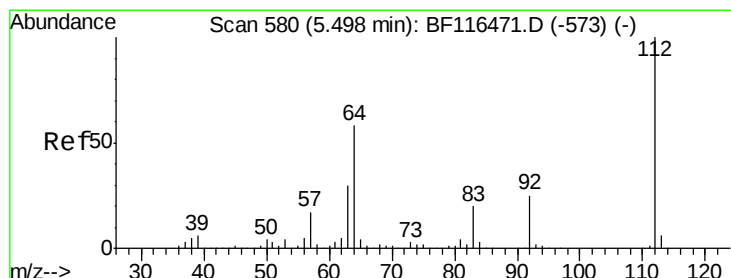
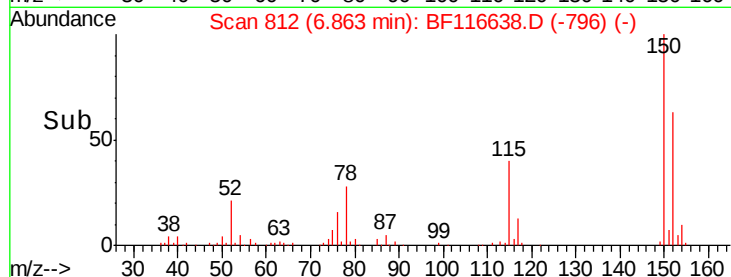
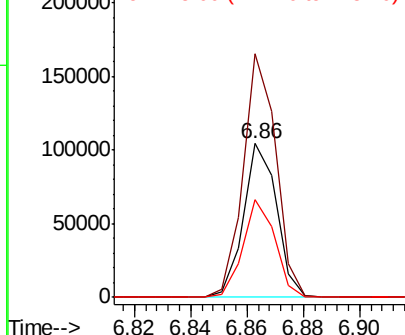


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

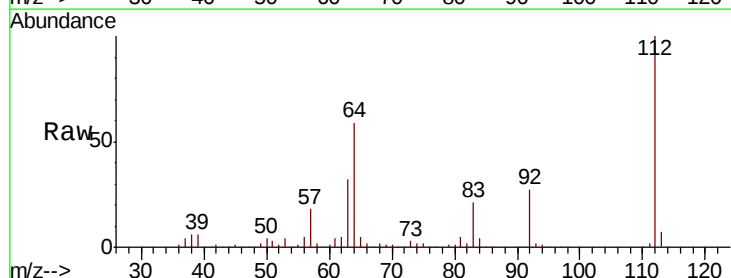
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.947 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF116638.D
Acq: 29 Aug 2019 1:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	48.0	72.0
63	31.7	24.6	36.8

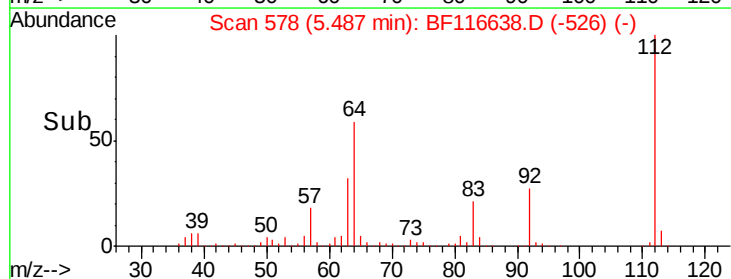
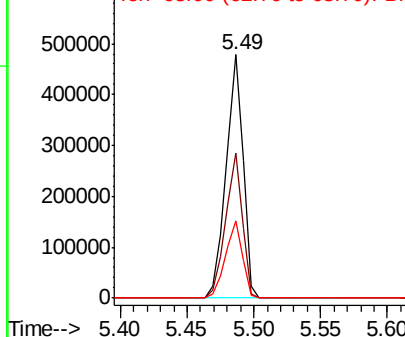


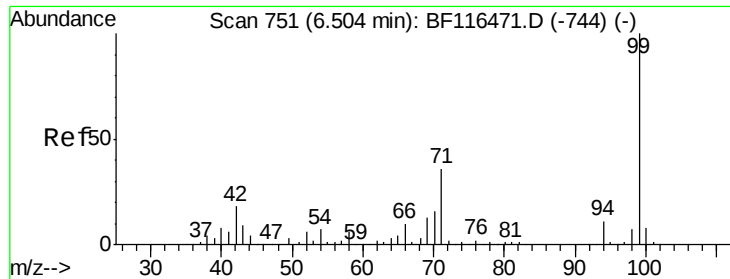
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 95.861 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF116638.D

Acq: 29 Aug 2019 1:56

Instrument :

BNA_F

ClientSampleId :

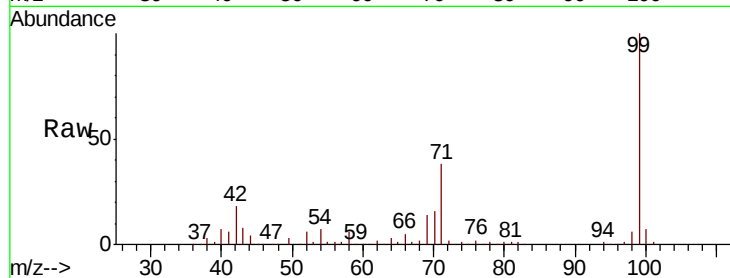
Tot Ion: 99 Resp: 641843

Ion Ratio Lower Upper

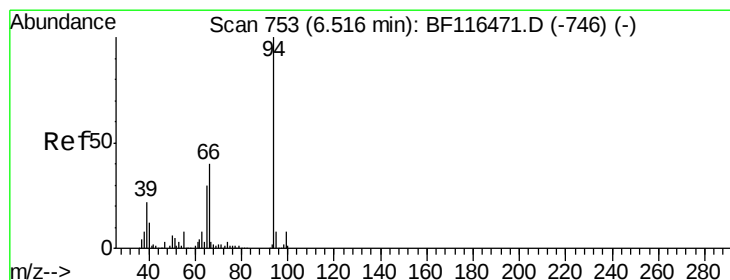
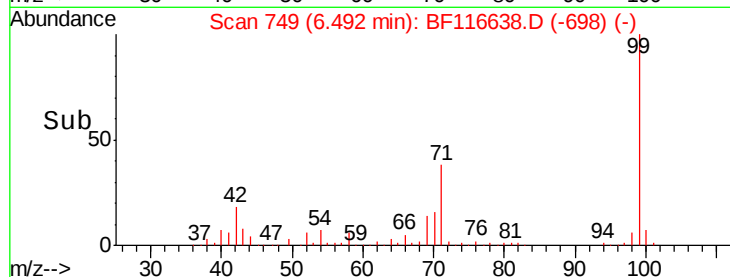
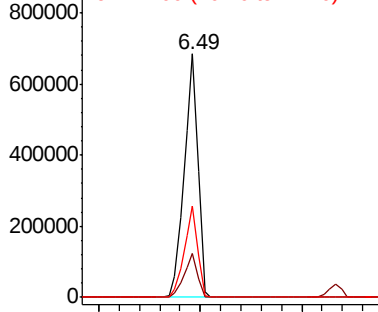
99 100

42 17.9 13.2 19.8

71 37.5 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: 5.393 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116638.D

Acq: 29 Aug 2019 1:56

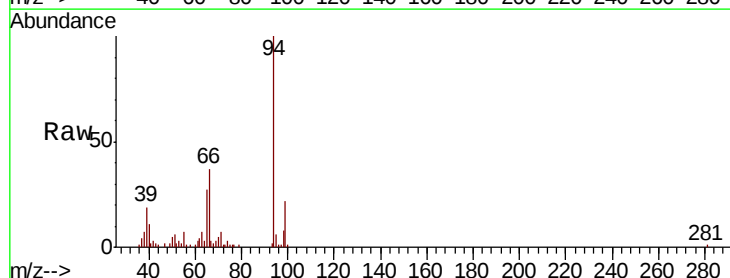
Tgt Ion: 94 Resp: 39611

Ion Ratio Lower Upper

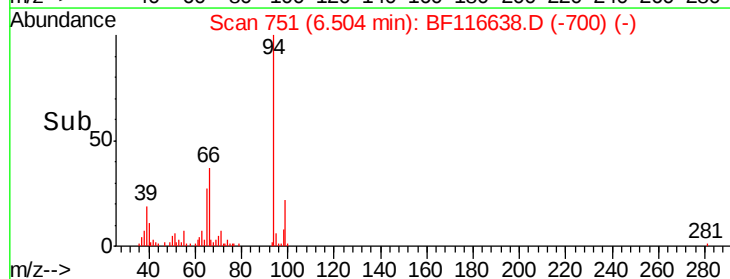
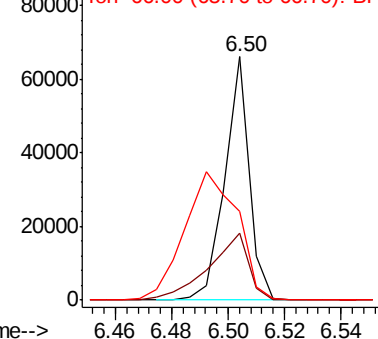
94 100

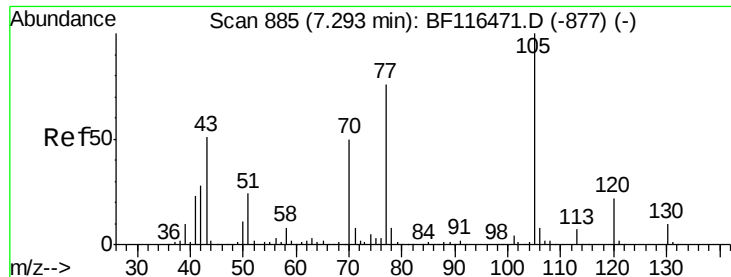
65 27.3 8.6 48.6

66 36.6 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

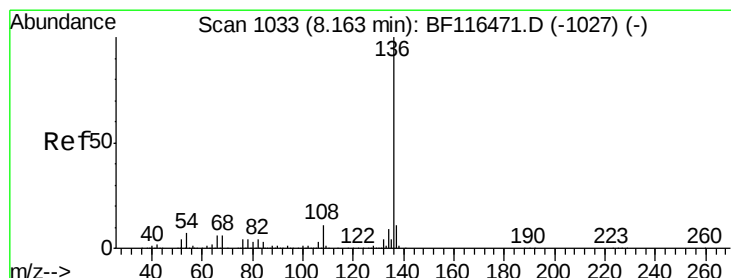
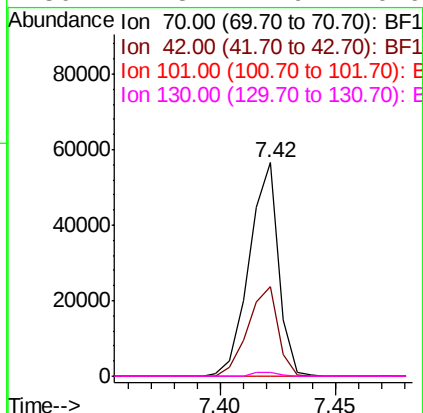
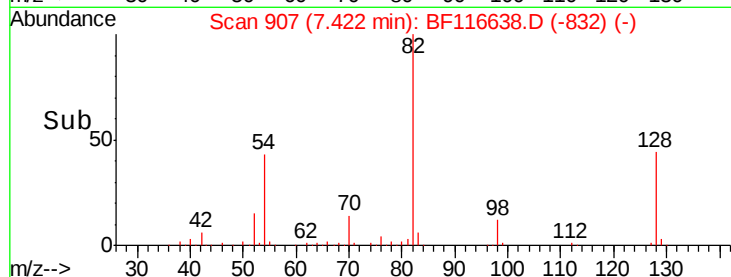
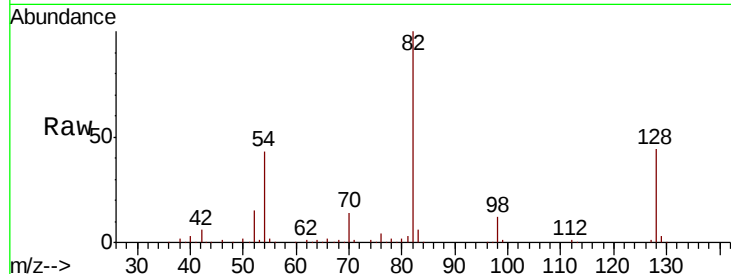




#19
n-Nitroso-di-n-propylamine
Concen: 11.776 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.14 min
Lab File: BF116638.D
Acq: 29 Aug 2019 1:56

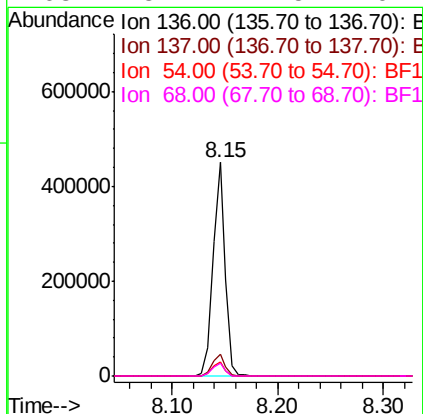
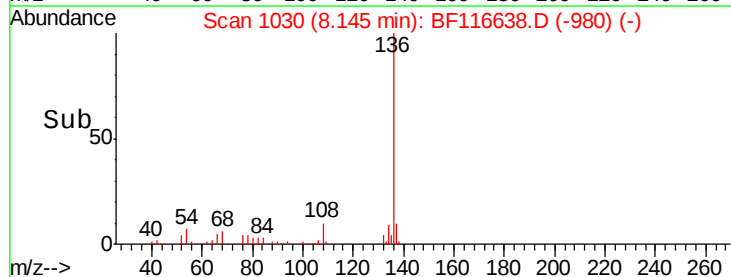
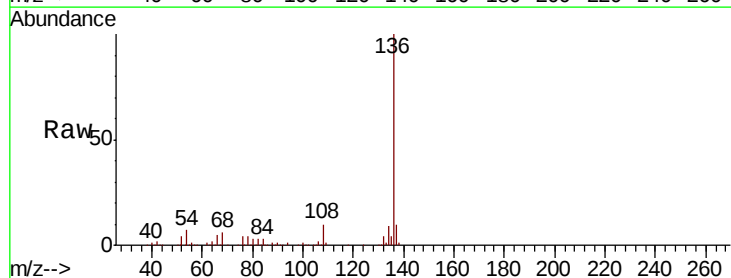
Instrument :
BNA_F
ClientSampleId :

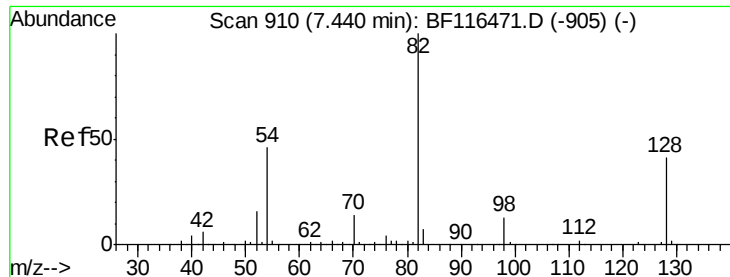
Tot Ion: 70 Resp: 50141
Ion Ratio Lower Upper
70 100
42 42.0 41.2 61.8
101 0.0 7.7 11.5#
130 1.8 17.9 26.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116638.D
Acq: 29 Aug 2019 1:56

Tgt Ion: 136 Resp: 366180
Ion Ratio Lower Upper
136 100
137 10.4 8.7 13.1
54 6.6 5.0 7.4
68 5.7 4.5 6.7

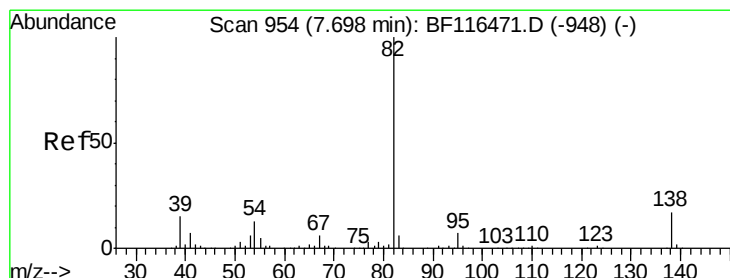
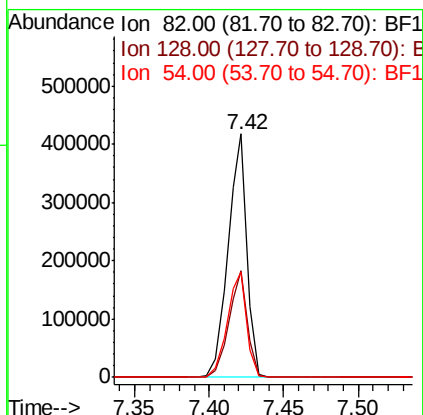
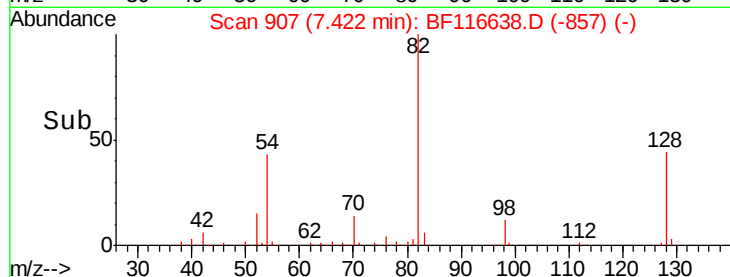
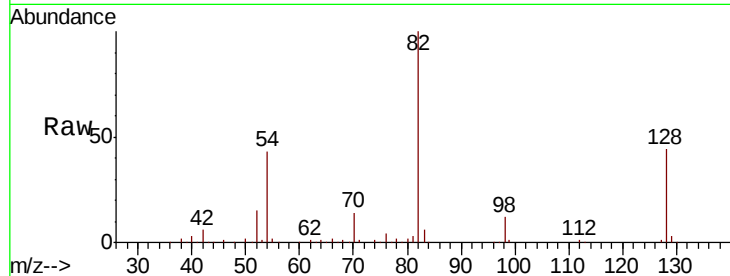




#23
Nitrobenzene-d5
Concen: 58.406 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF116638.D
Acq: 29 Aug 2019 1:56

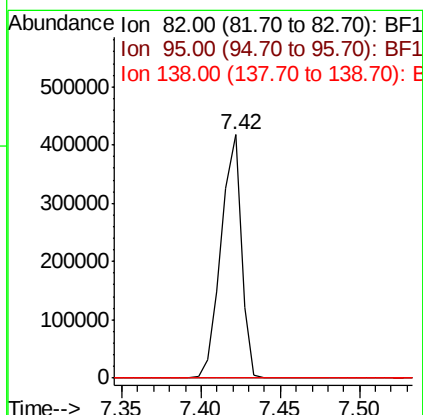
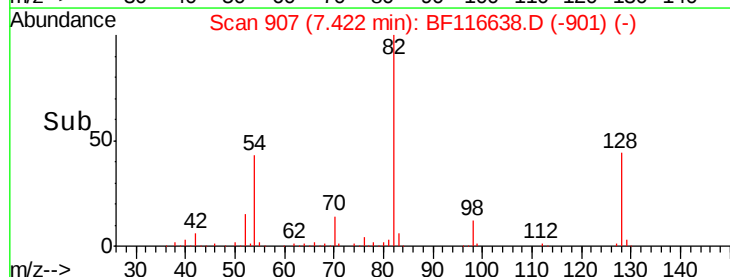
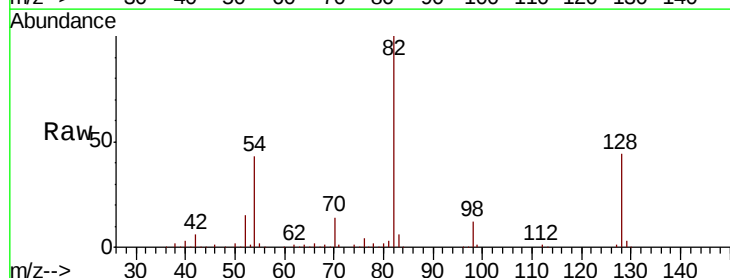
Instrument :
BNA_F
ClientSampleId :

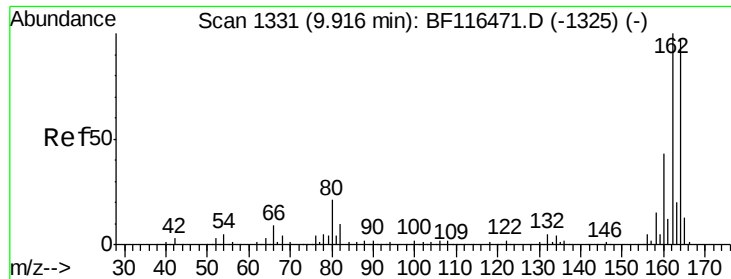
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	35.0	52.6
54	43.1	34.4	51.6



#25
Isophorone
Concen: 32.083 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.26 min
Lab File: BF116638.D
Acq: 29 Aug 2019 1:56

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: BF116638.D

Acq: 29 Aug 2019 1:56

Instrument :

BNA_F

ClientSampleId :

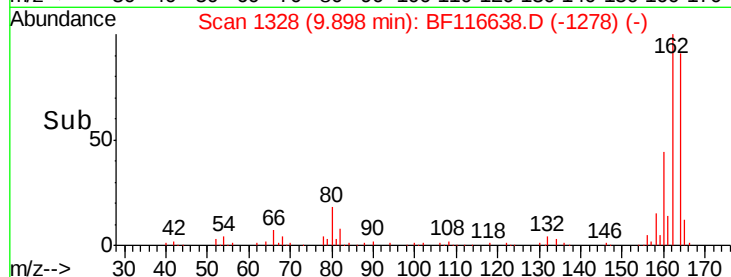
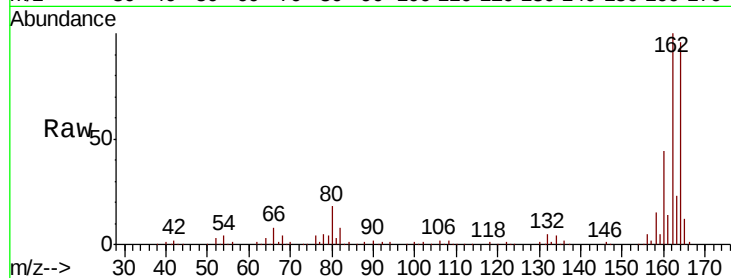
Tot Ion:164 Resp: 144689

Ion Ratio Lower Upper

164 100

162 104.5 83.4 125.0

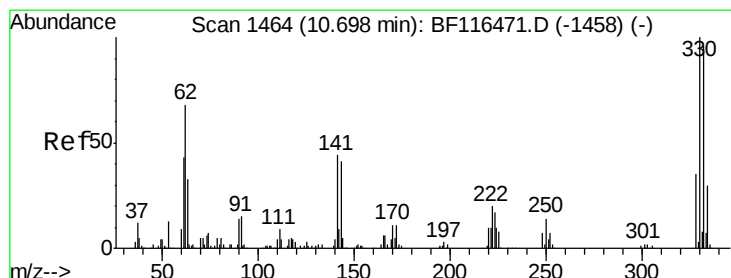
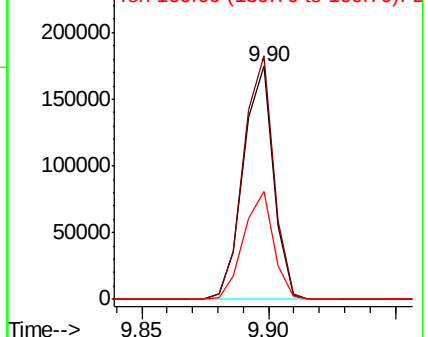
160 46.3 37.0 55.4



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: 115.870 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF116638.D

Acq: 29 Aug 2019 1:56

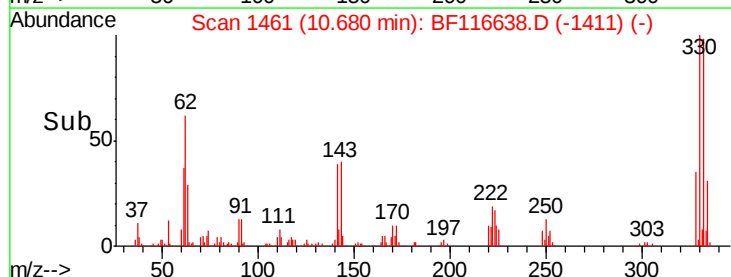
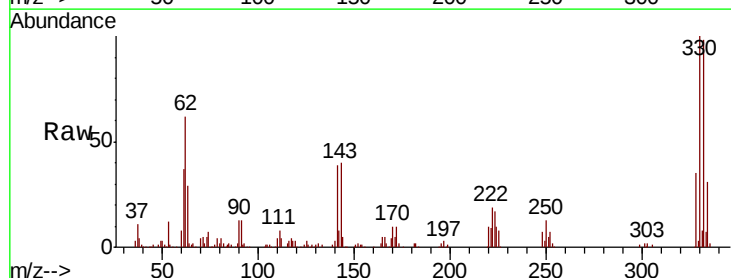
Tgt Ion:330 Resp: 159538

Ion Ratio Lower Upper

330 100

332 96.5 77.5 116.3

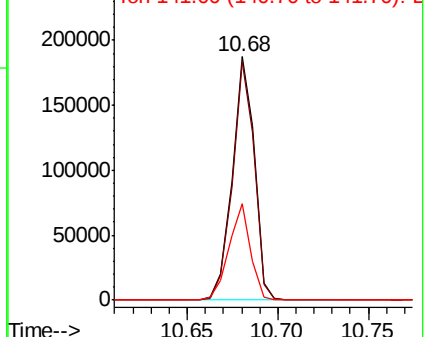
141 38.6 28.2 42.2

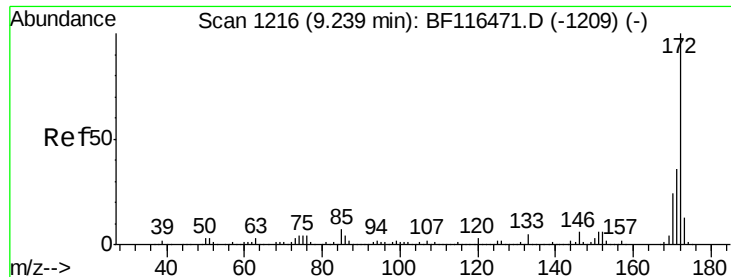


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

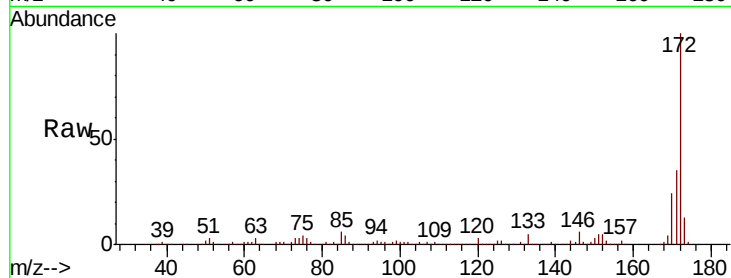




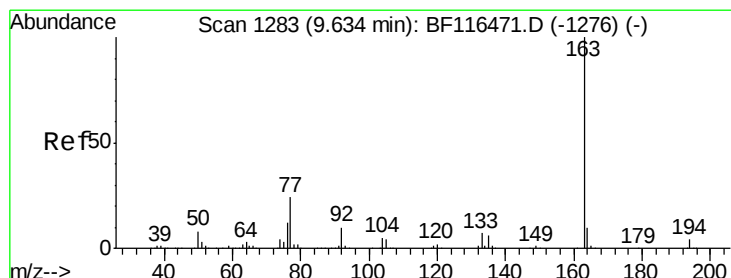
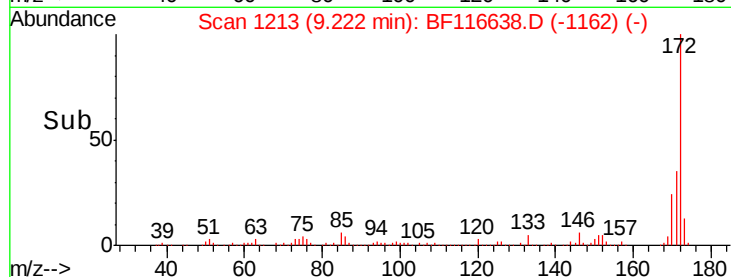
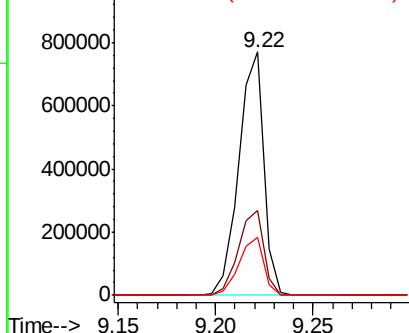
#45
2-Fluorobiphenyl
Concen: 78.906 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.00 min
Lab File: BF116638.D
Acq: 29 Aug 2019 1:56

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.0	43.6
170	23.8	19.3	28.9

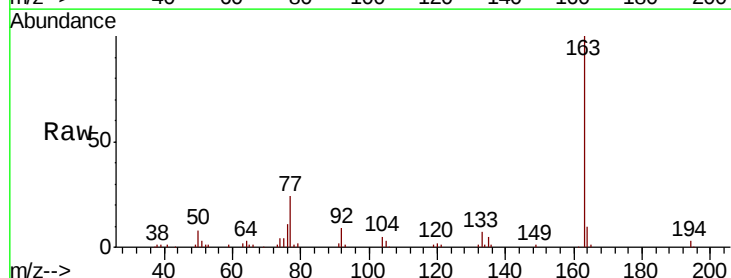


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

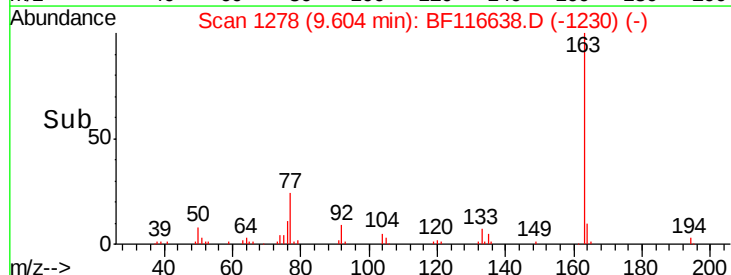
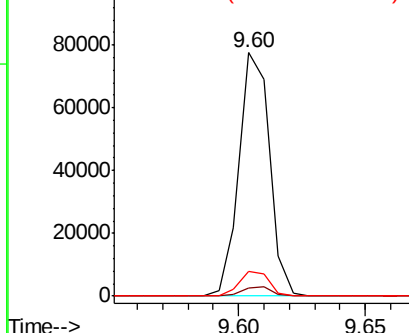


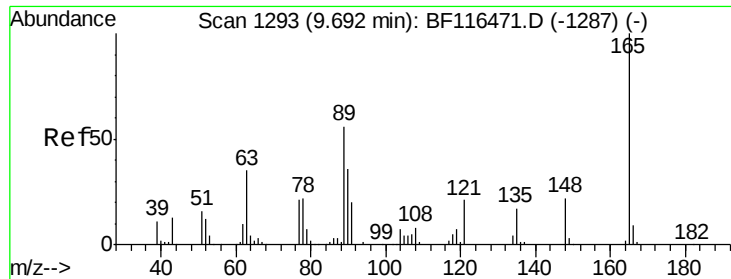
#50
Dimethylphthalate
Concen: 6.684 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF116638.D
Acq: 29 Aug 2019 1:56

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.6
164	10.0	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

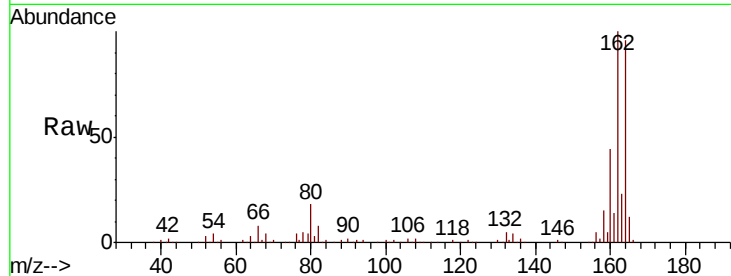




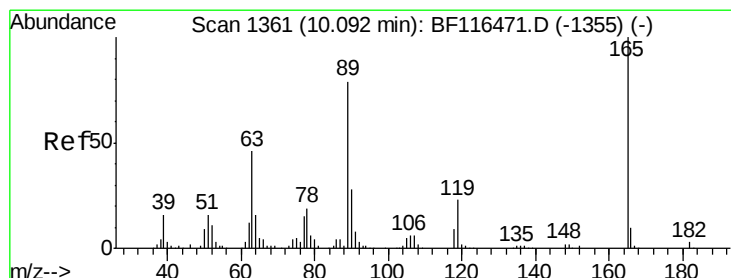
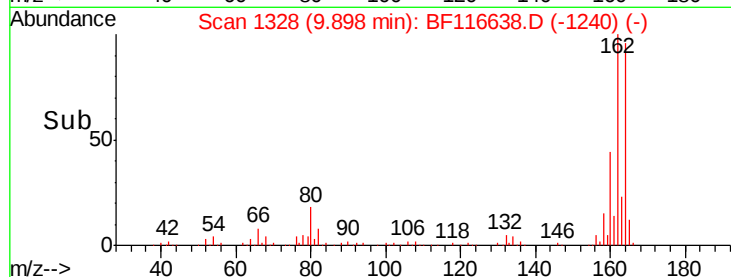
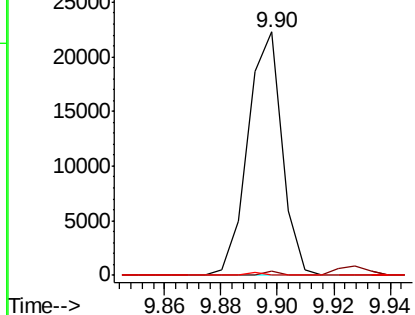
#51
 2,6-Dinitrotoluene
 Concen: 8.689 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.22 min
 Lab File: BF116638.D
 Acq: 29 Aug 2019 1:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	37.2	55.8#
89	0.0	40.8	61.2#



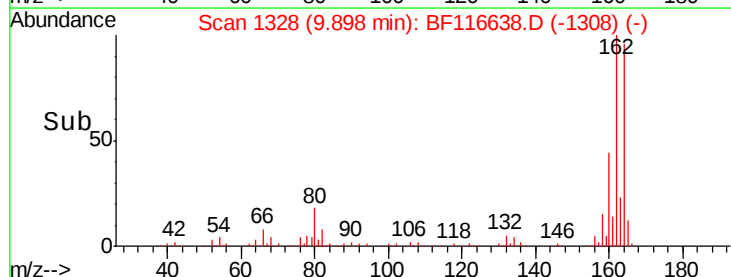
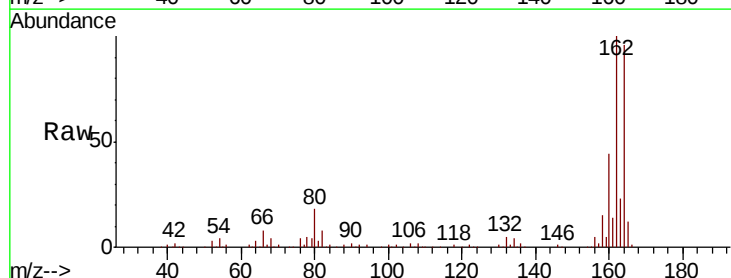
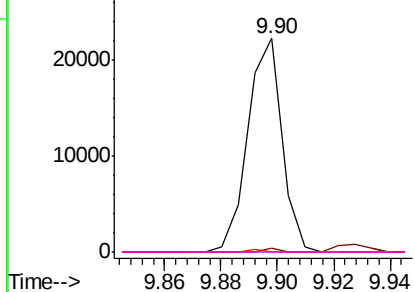
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

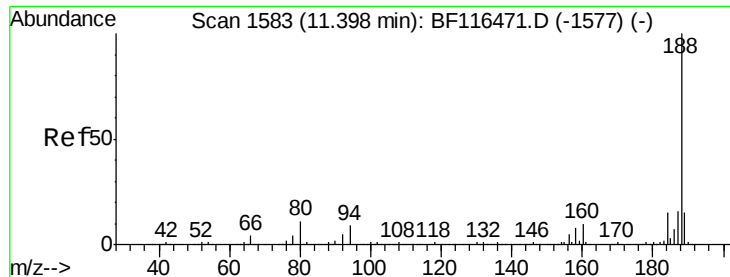


#57
 2,4-Dinitrotoluene
 Concen: 6.585 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.18 min
 Lab File: BF116638.D
 Acq: 29 Aug 2019 1:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	30.9	46.3#
89	0.0	55.0	82.6#
182	0.0	2.2	3.2#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

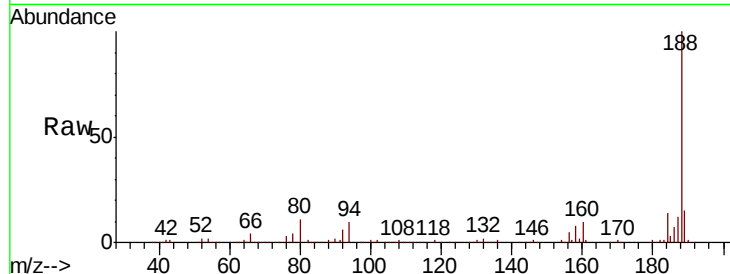




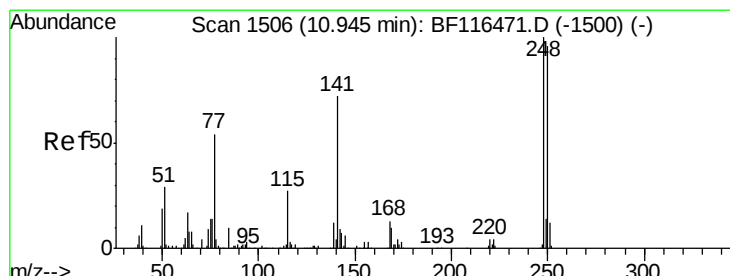
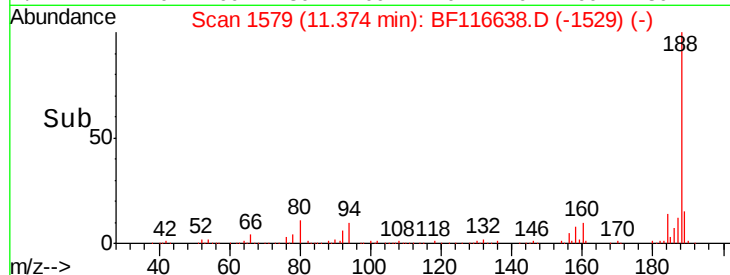
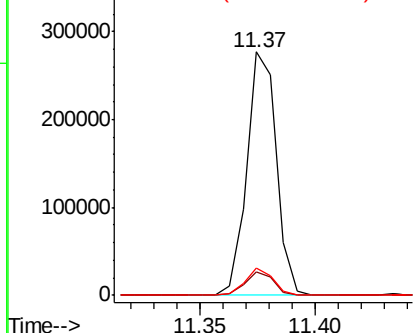
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF116638.D
 Acq: 29 Aug 2019 1:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 248661
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.2 12.4
 80 11.1 8.9 13.3

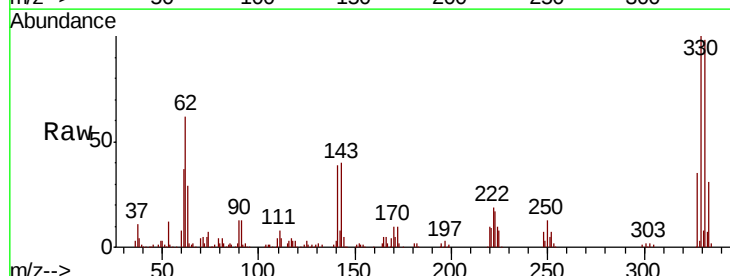


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

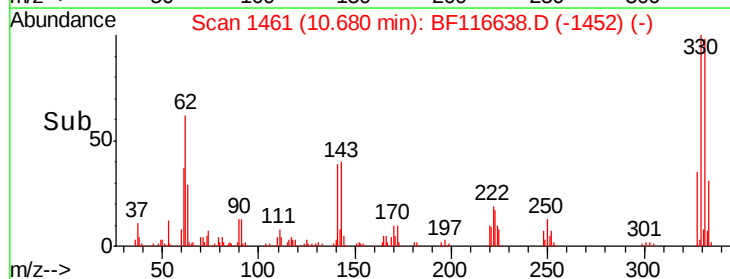
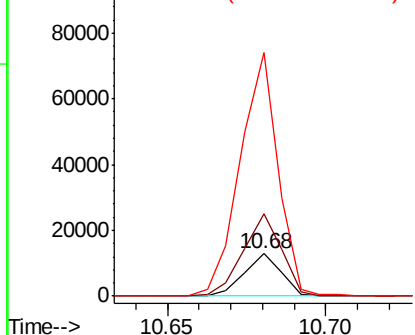


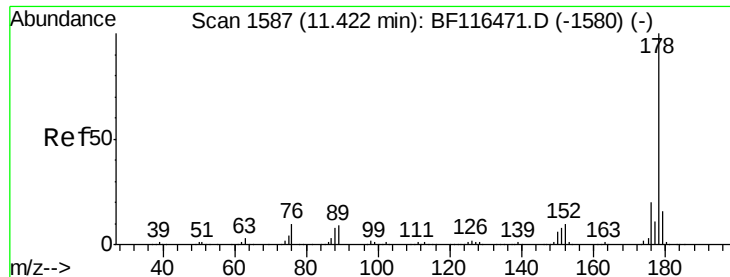
#67
 4-Bromophenyl-phenylether
 Concen: 3.982 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.25 min
 Lab File: BF116638.D
 Acq: 29 Aug 2019 1:56

Tgt Ion:248 Resp: 10502
 Ion Ratio Lower Upper
 248 100
 250 194.2 76.6 115.0#
 141 571.9 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

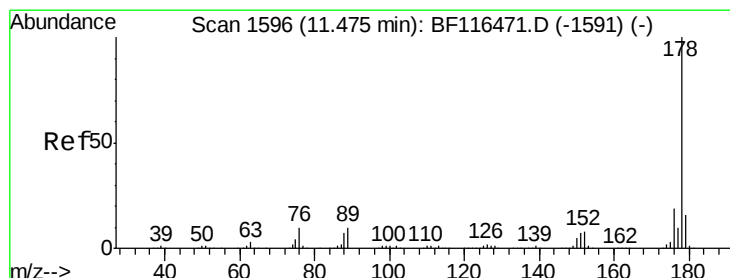
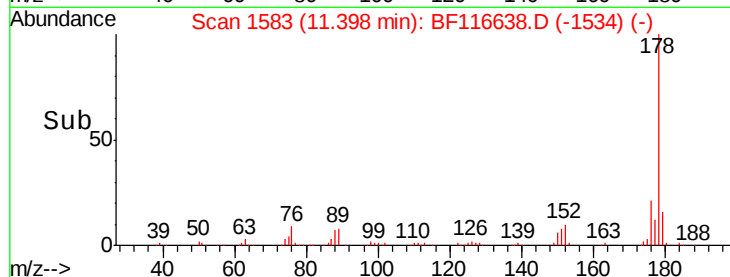
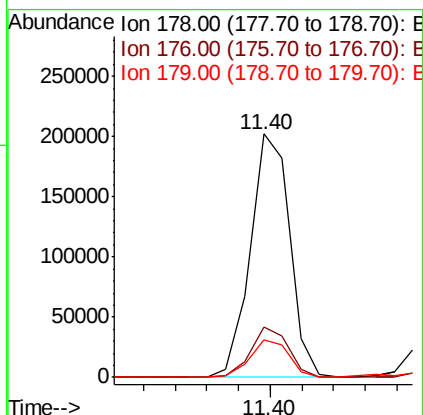
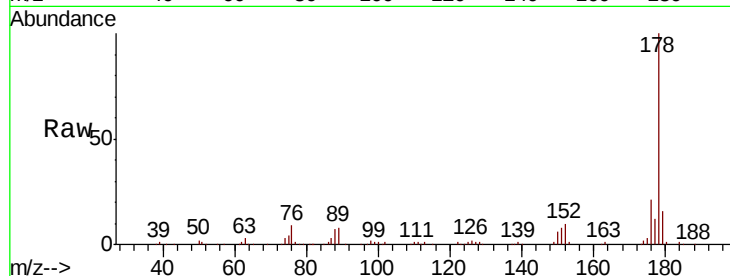




#71
 Phenanthrene
 Concen: 13.033 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF116638.D
 Acq: 29 Aug 2019 1:56

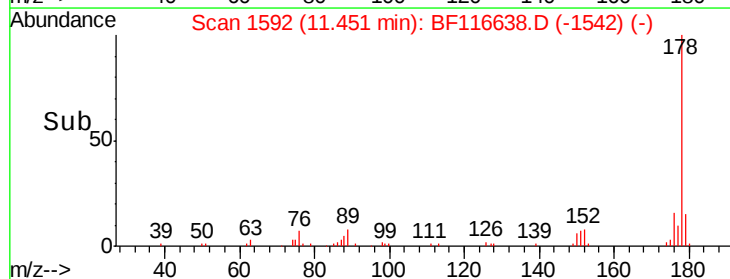
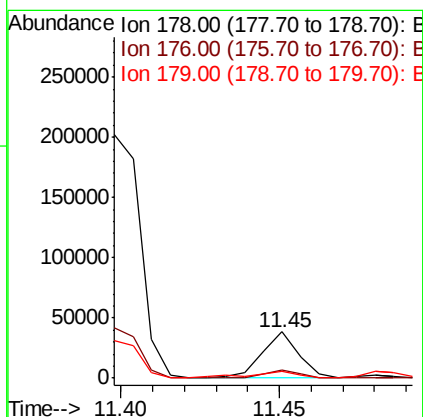
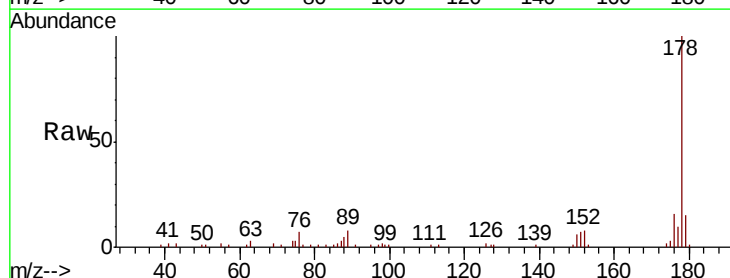
Instrument :
 BNA_F
 ClientSampleId :

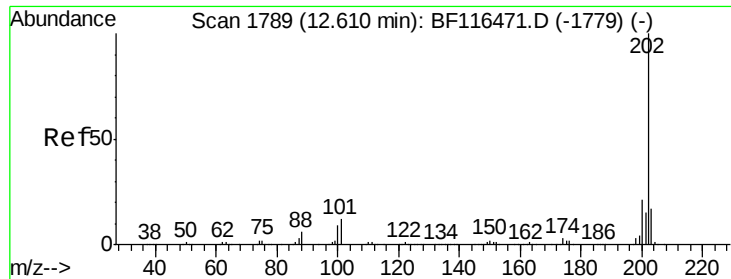
Tot Ion:178 Resp: 174064
 Ion Ratio Lower Upper
 178 100
 176 20.7 15.5 23.3
 179 15.6 12.4 18.6



#72
 Anthracene
 Concen: 2.265 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.01 min
 Lab File: BF116638.D
 Acq: 29 Aug 2019 1:56

Tgt Ion:178 Resp: 30245
 Ion Ratio Lower Upper
 178 100
 176 16.1 15.1 22.7
 179 14.7 12.7 19.1

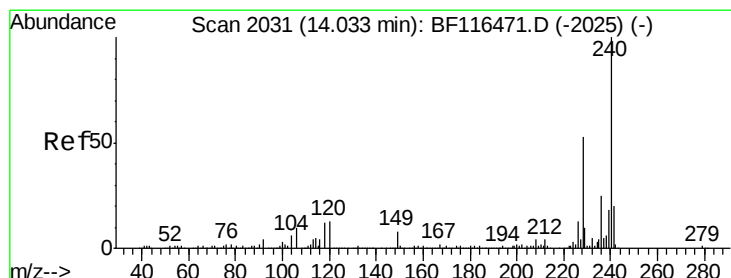
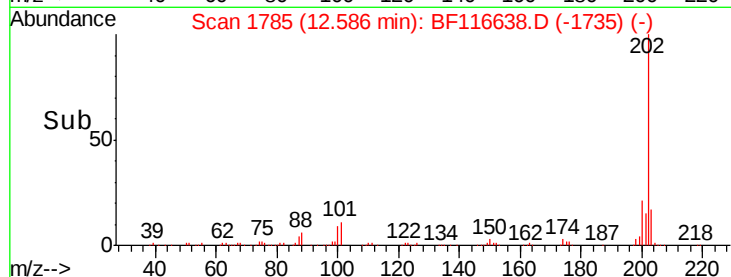
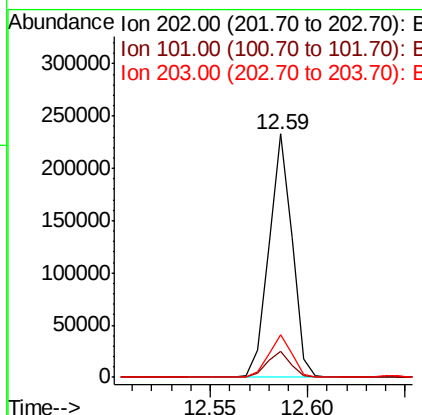
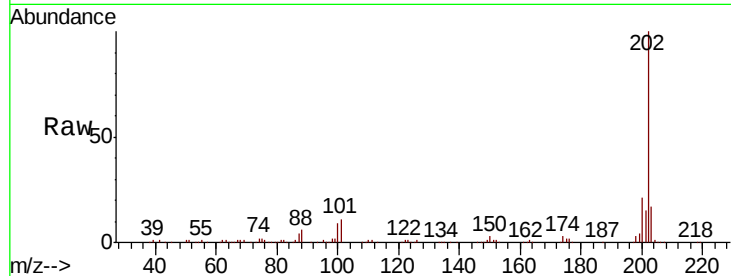




#75
Fluoranthene
Concen: 15.954 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BF116638.D
Acq: 29 Aug 2019 1:56

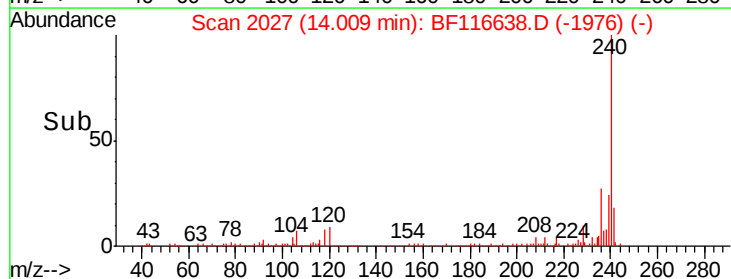
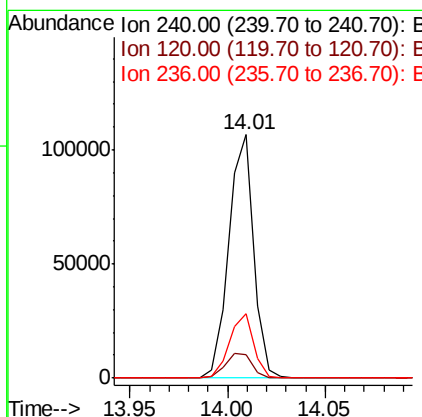
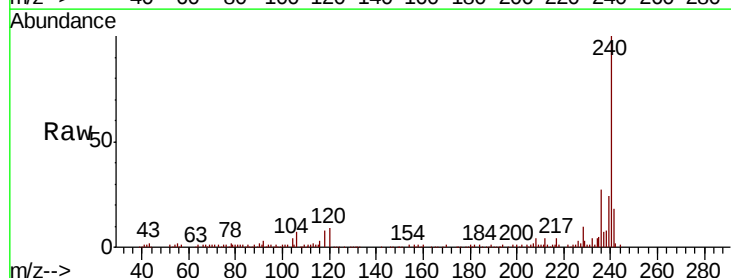
Instrument :
BNA_F
ClientSampleId :

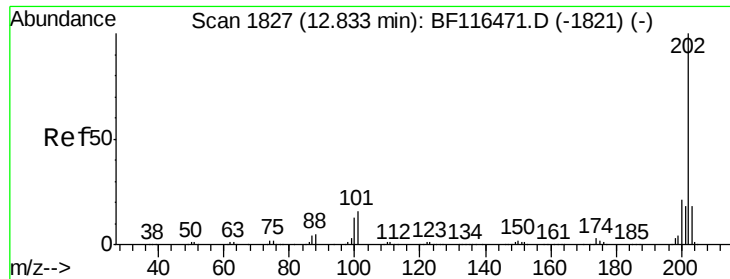
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.8
203	17.3	0.0	37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF116638.D
Acq: 29 Aug 2019 1:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.5	11.3	16.9#
236	26.6	21.4	32.2

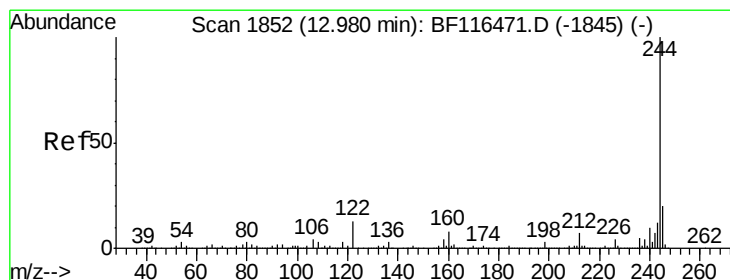
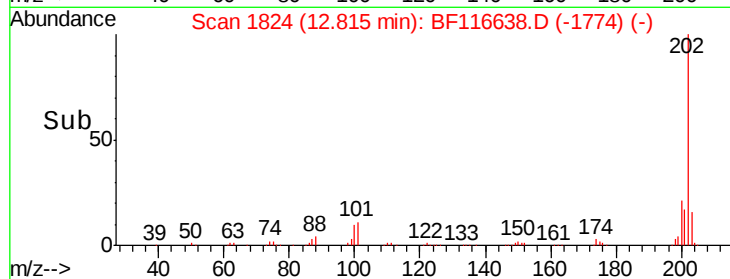
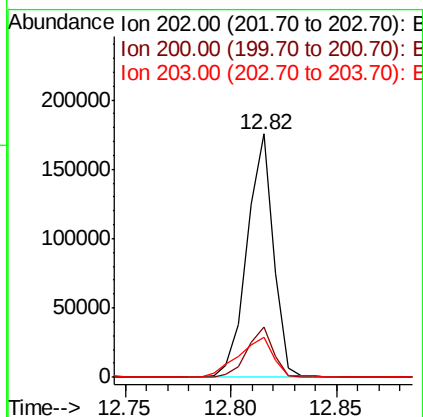
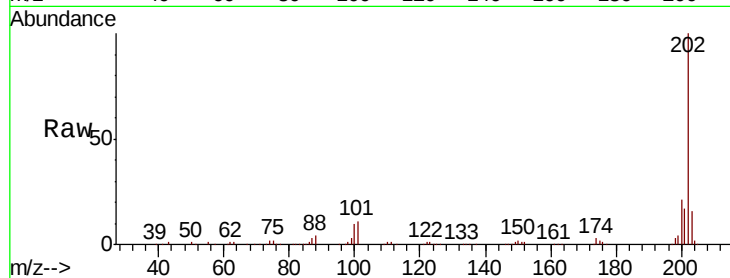




#78
Pvrene
Concen: 17.683 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF116638.D
Acq: 29 Aug 2019 1:56

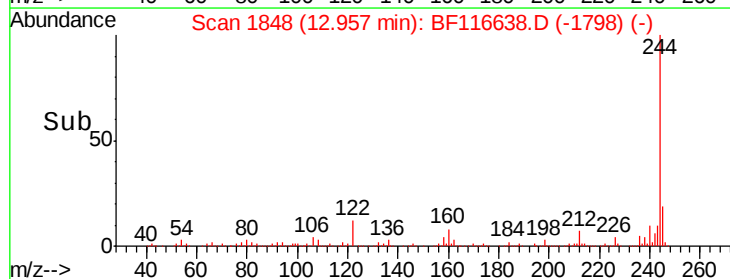
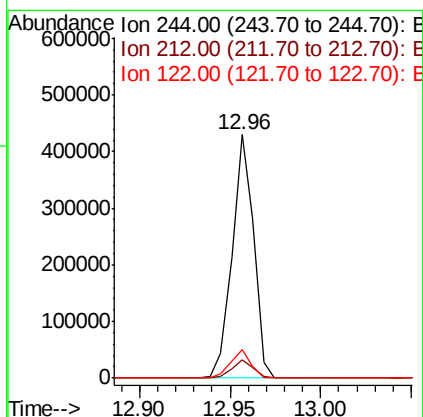
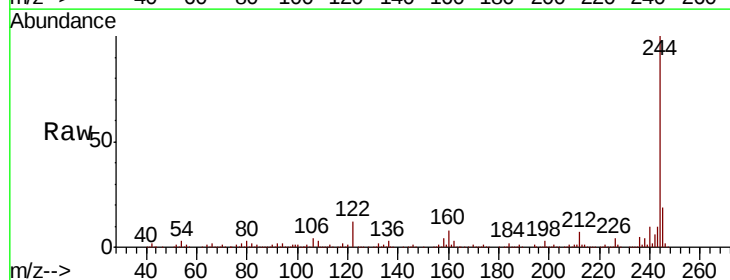
Instrument :
BNA_F
ClientSampleId :

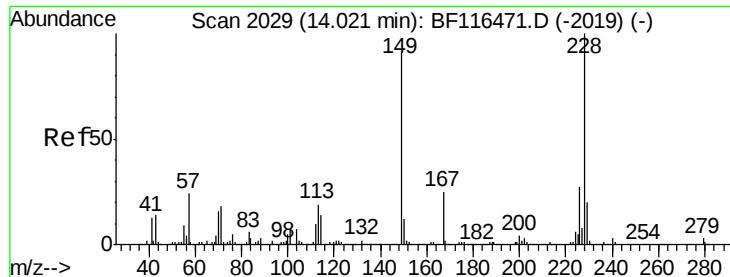
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.0
203	16.5	14.2	21.4



#79
Terphenyl-d14
Concen: 61.268 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF116638.D
Acq: 29 Aug 2019 1:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	11.5	10.0	15.0





#81

Benzo(a)anthracene

Concen: 10.861 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF116638.D

Acq: 29 Aug 2019 1:56

Instrument :

BNA_F

ClientSampled :

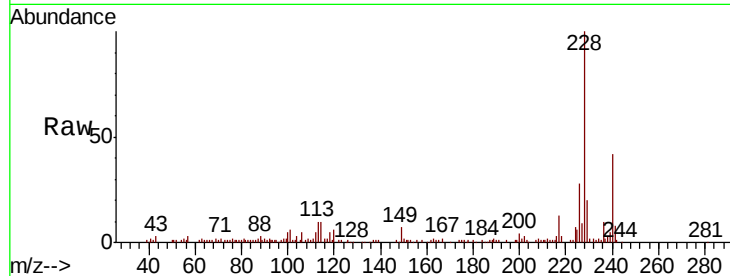
Tot Ion:228 Resp: 68067

Ion Ratio Lower Upper

228 100

226 28.5 21.5 32.3

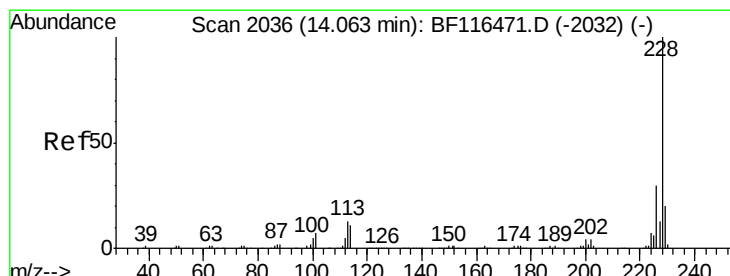
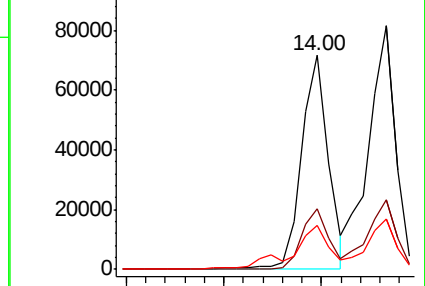
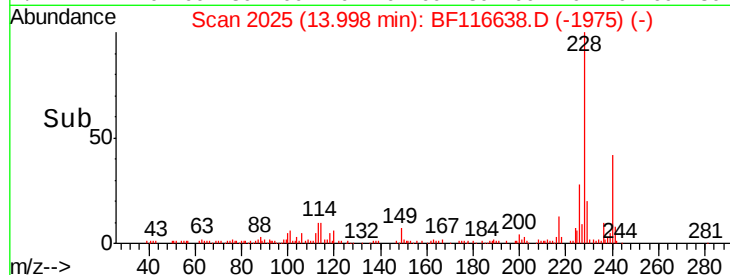
229 20.4 15.4 23.0



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: 12.874 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF116638.D

Acq: 29 Aug 2019 1:56

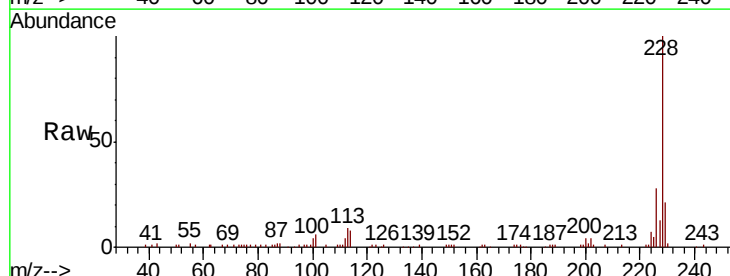
Tgt Ion:228 Resp: 78984

Ion Ratio Lower Upper

228 100

226 28.5 24.0 36.0

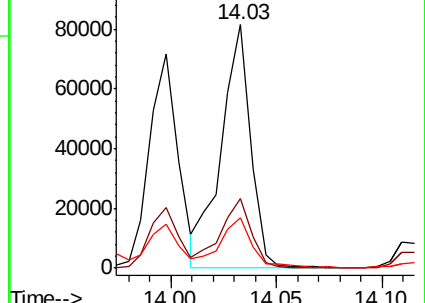
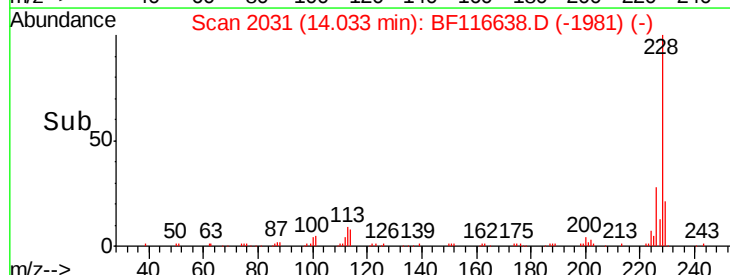
229 20.6 15.8 23.8

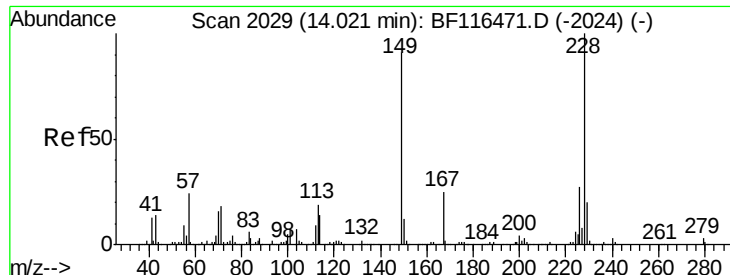


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

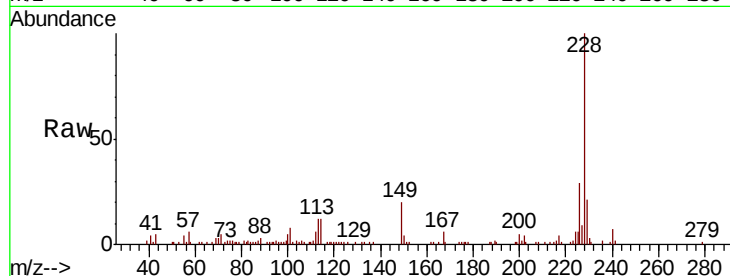




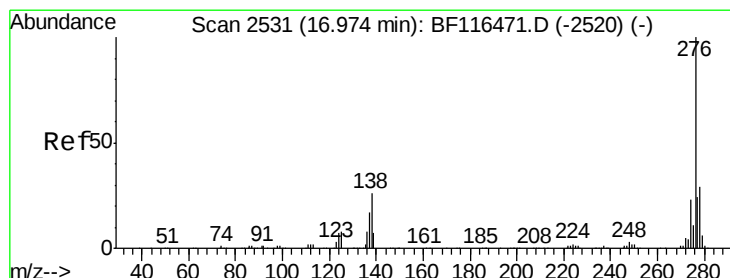
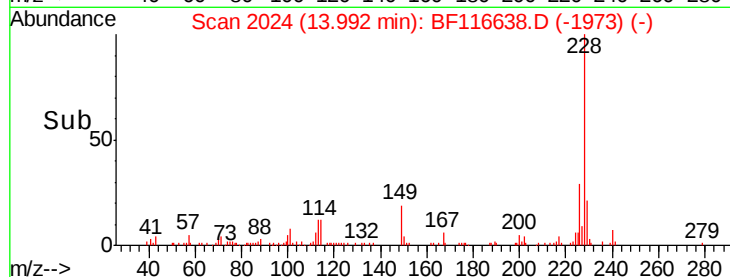
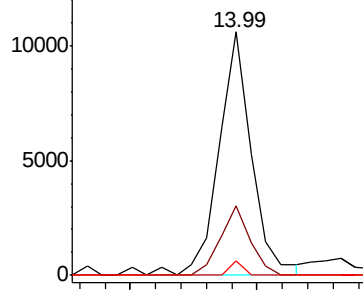
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.440 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.00 min
 Lab File: BF116638.D
 Acq: 29 Aug 2019 1:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 9583
 Ion Ratio Lower Upper
 149 100
 167 28.8 21.2 31.8
 279 6.0 2.7 4.1#

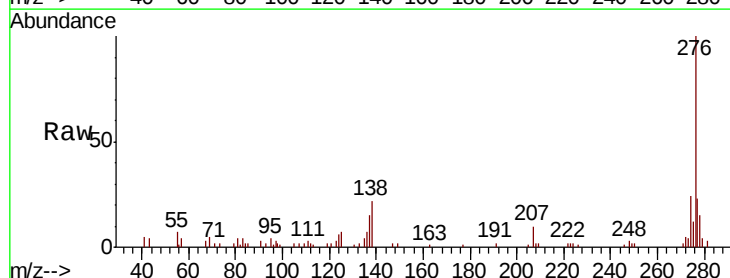


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

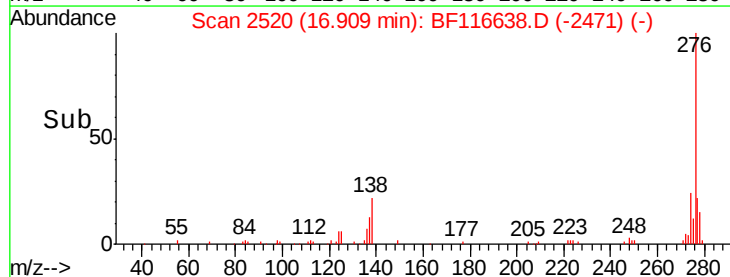
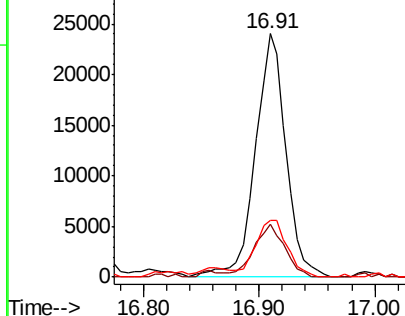


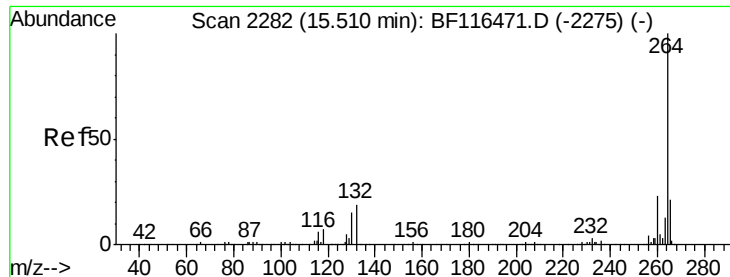
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 12.433 ng
 RT: 16.91 min Scan# 2520
 Delta R.T. -0.01 min
 Lab File: BF116638.D
 Acq: 29 Aug 2019 1:56

Tgt Ion:276 Resp: 44461
 Ion Ratio Lower Upper
 276 100
 138 22.0 21.5 32.3
 277 24.4 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

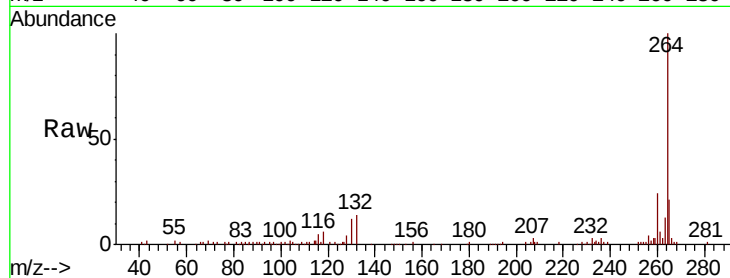




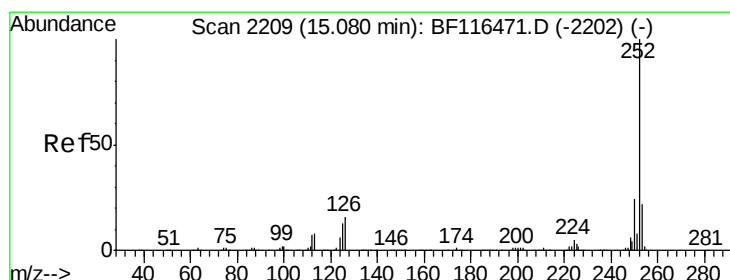
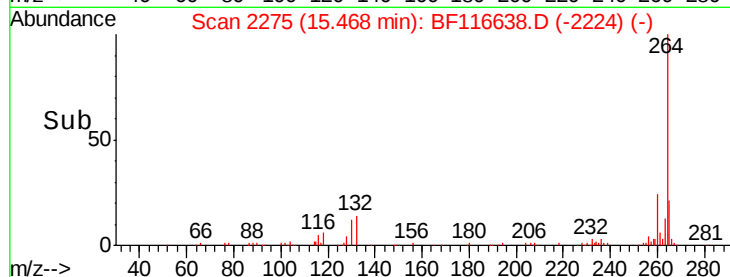
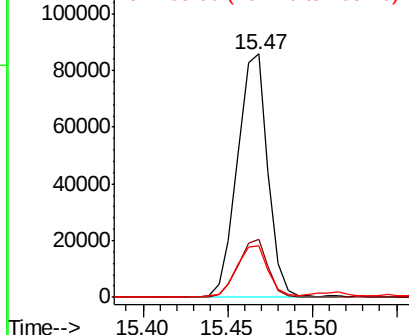
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BF116638.D
Acq: 29 Aug 2019 1:56

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	20.0	30.0
265	21.0	17.6	26.4

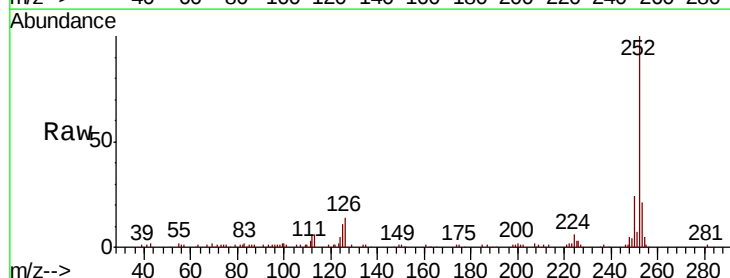


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

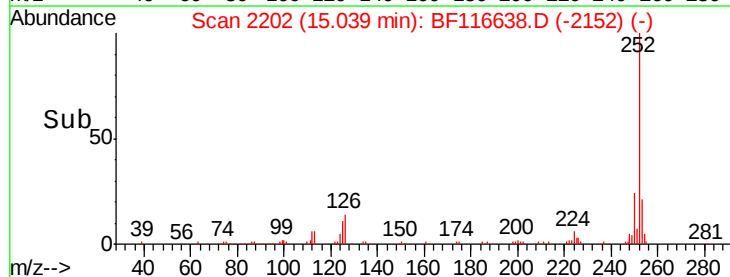
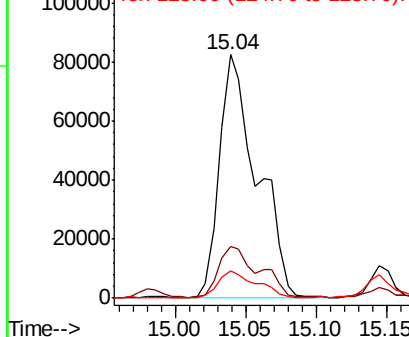


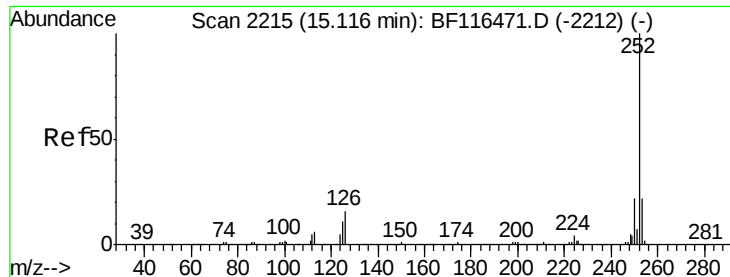
#88
Benzo(b)fluoranthene
Concen: 23.290 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF116638.D
Acq: 29 Aug 2019 1:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.3	25.9
125	11.2	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

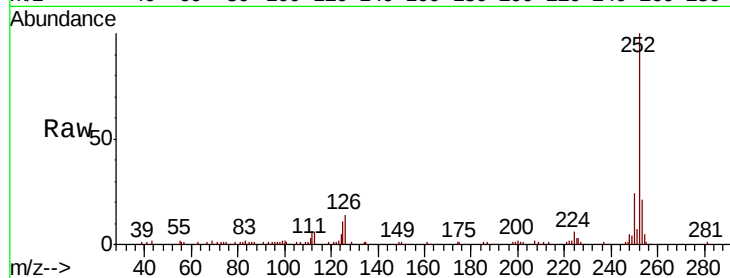




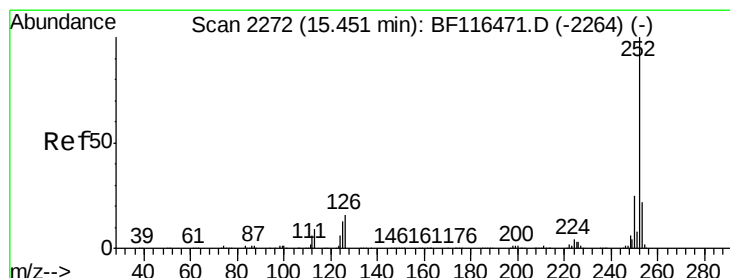
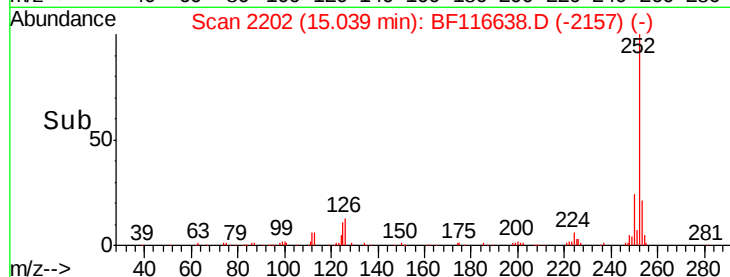
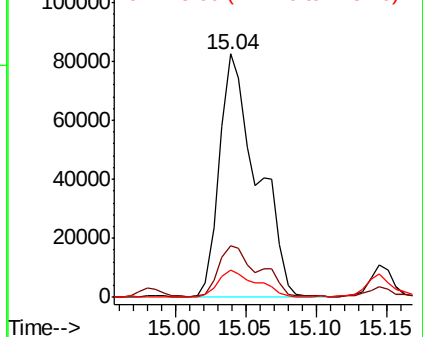
#89
Benzo(k)fluoranthene
Concen: 24.502 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF116638.D
Acq: 29 Aug 2019 1:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 154424
Ion Ratio Lower Upper
252 100
253 21.3 17.2 25.8
125 11.2 8.6 13.0

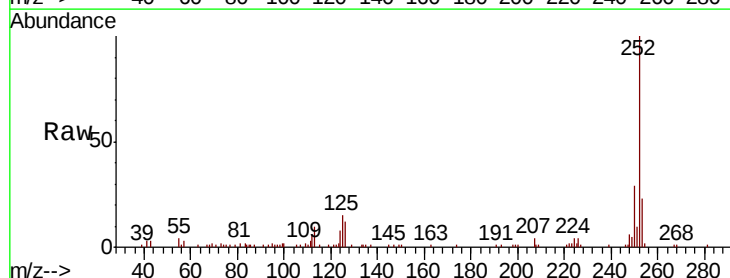


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

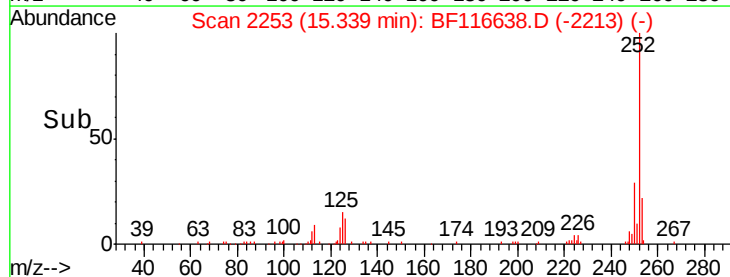
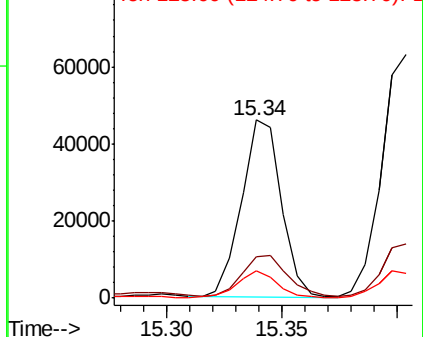


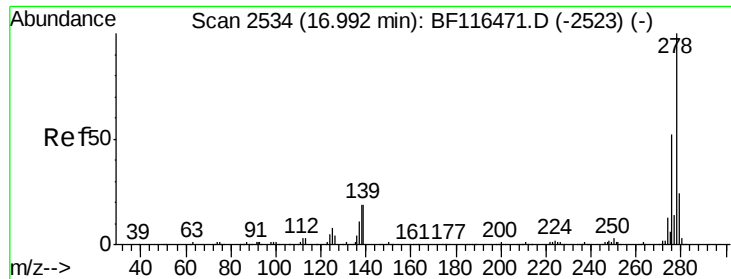
#90
Benzo(a)pyrene
Concen: 9.355 ng
RT: 15.34 min Scan# 2253
Delta R.T. -0.06 min
Lab File: BF116638.D
Acq: 29 Aug 2019 1:56

Tgt Ion:252 Resp: 55360
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 15.4 10.6 16.0



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





#91

Dibenzo(a,h)anthracene

Concen: 2.047 ng

RT: 16.92 min Scan# 2522

Delta R.T. -0.02 min

Lab File: BF116638.D

Acq: 29 Aug 2019 1:56

Instrument :

BNA_F

ClientSampleId :

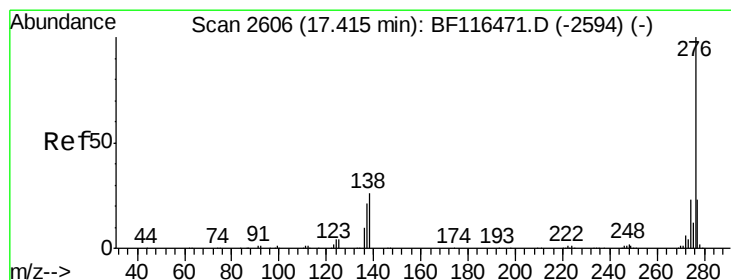
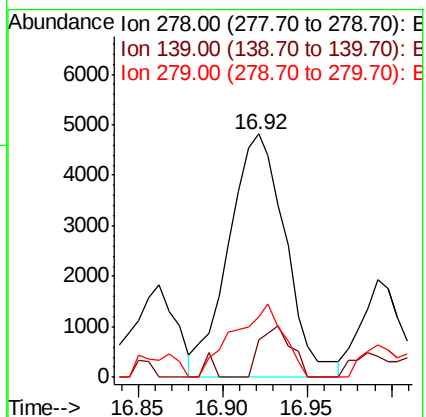
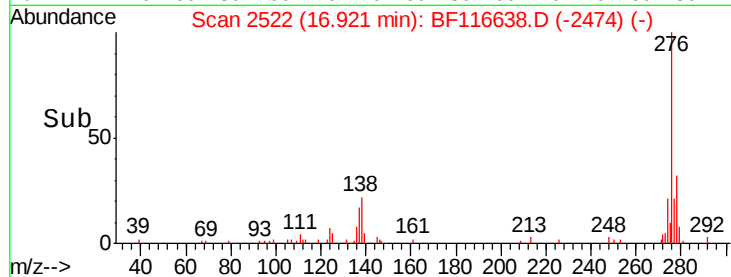
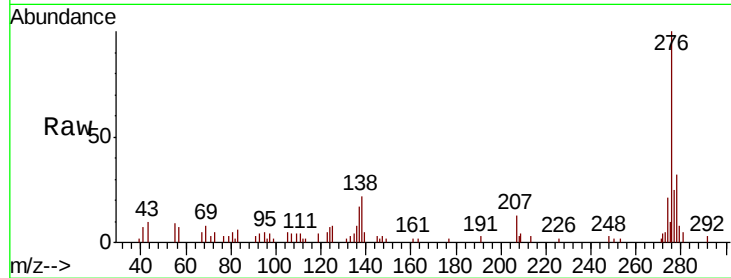
Tot Ion:278 Resp: 11301

Ion Ratio Lower Upper

278 100

139 15.5 14.1 21.1

279 24.8 19.5 29.3



#92

Benzo(g,h,i)perylene

Concen: 6.927 ng

RT: 17.35 min Scan# 2595

Delta R.T. -0.01 min

Lab File: BF116638.D

Acq: 29 Aug 2019 1:56

Tgt Ion:276 Resp: 39772

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.4

138 20.7 18.2 27.2

