

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081319\
 Data File : BF116258.D
 Acq On : 14 Aug 2019 3:58
 Operator : HP/JU
 Sample : K4088-01 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-081219

Quant Time: Aug 14 05:46:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

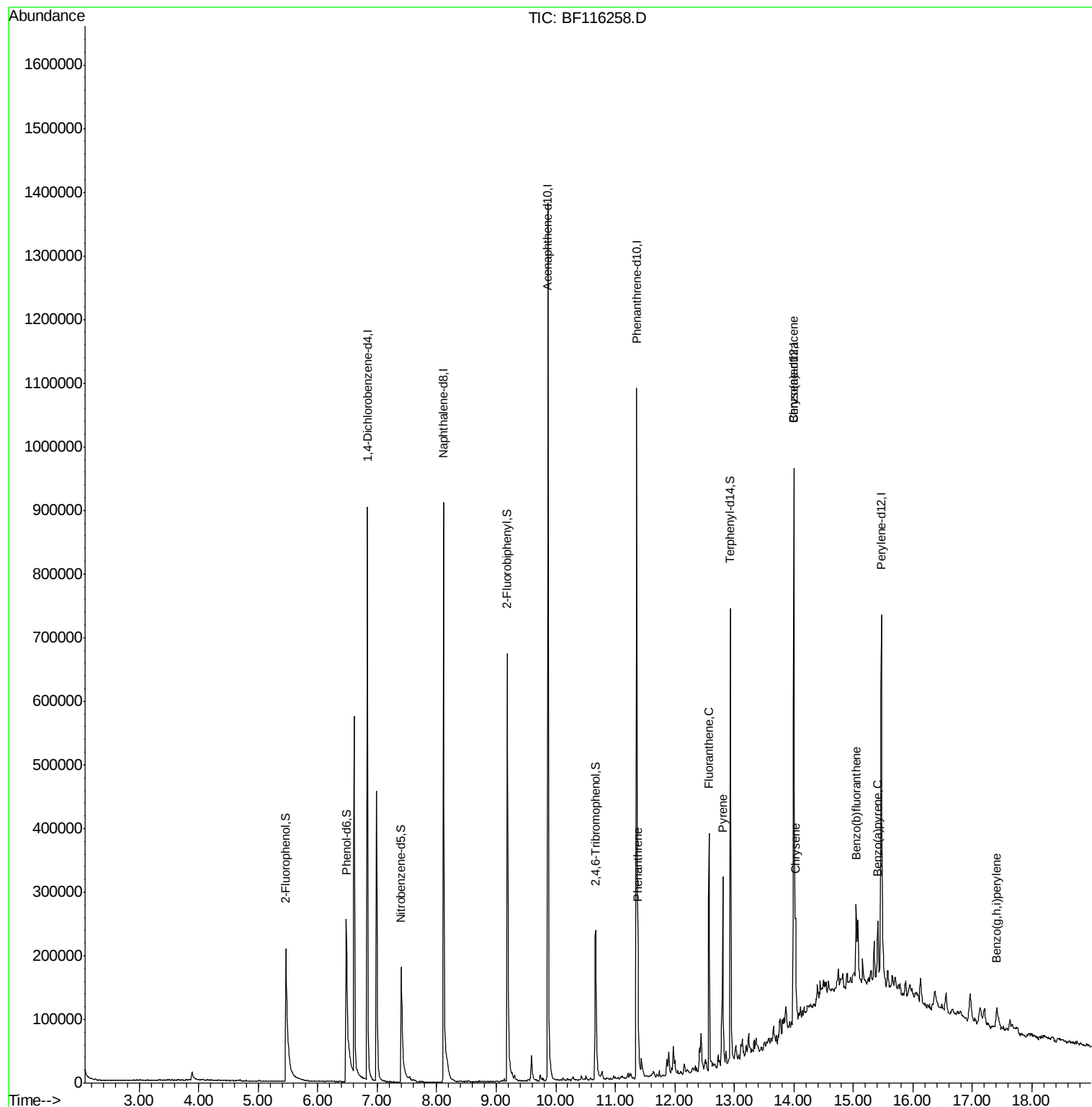
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	145012	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	585577	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	297656	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	464982	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	307980	20.00	ng	-0.01
87) Perylene-d12	15.47	264	308601	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	168600	19.46	ng	0.00
7) Phenol-d6	6.48	99	228400	20.90	ng	0.00
23) Nitrobenzene-d5	7.40	82	141184	13.92	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	47557	16.48	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	284791	17.92	ng	-0.02
79) Terphenyl-d14	12.93	244	244734	16.74	ng	-0.02
Target Compounds						
71) Phenanthrene	11.38	178	62602	2.634	ng	97
75) Fluoranthene	12.57	202	157439	6.326	ng	99
78) Pyrene	12.80	202	138113	5.949	ng	99
81) Benzo(a)anthracene	13.99	228	66273	3.367	ng	98
83) Chrysene	14.03	228	57855	3.027	ng	99
88) Benzo(b)fluoranthene	15.05	252	75848m	4.251	ng	
90) Benzo(a)pyrene	15.41	252	47122	2.954	ng	# 92
92) Benzo(g,h,i)perylene	17.41	276	27704	2.043	ng	94

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

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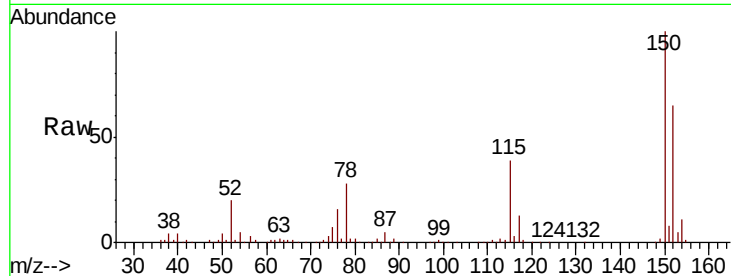


#1

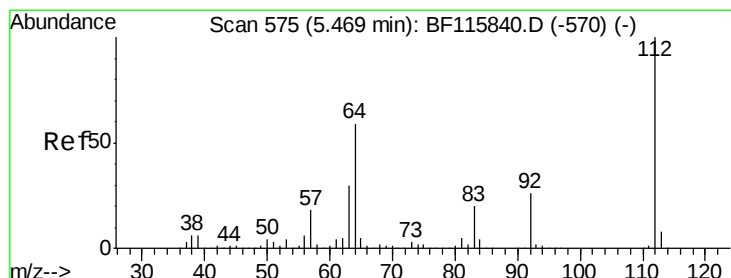
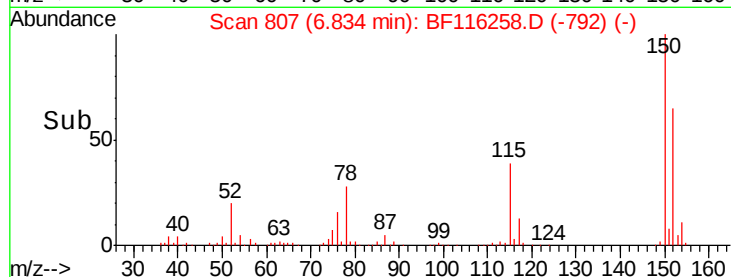
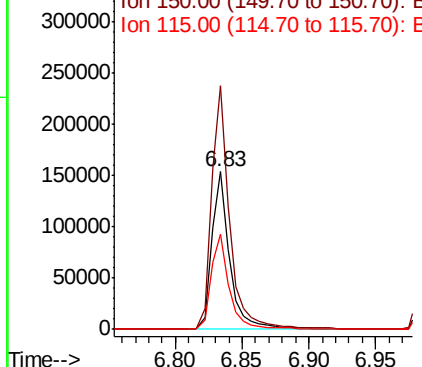
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF116258.D
 Acq: 14 Aug 2019 3:58

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-081219

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.2	189.2
115	60.5	49.9	74.9



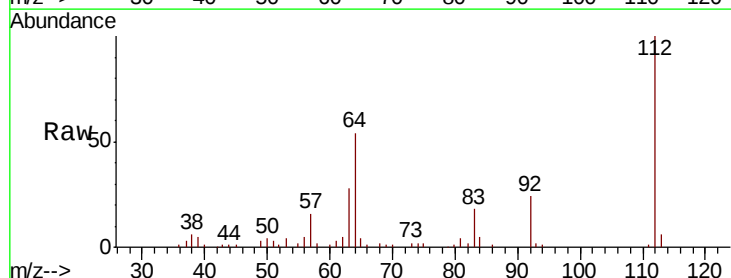
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



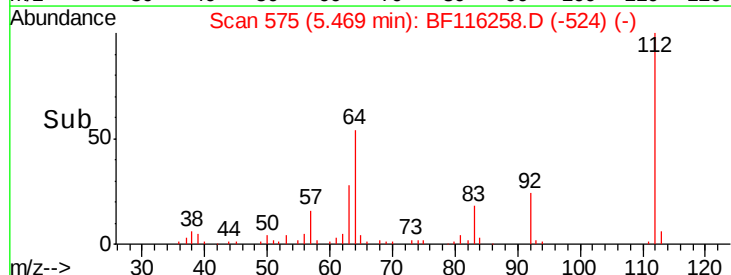
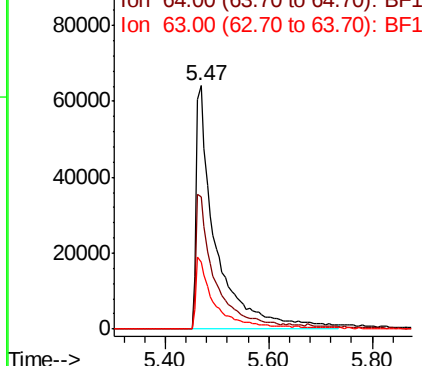
#5

2-Fluorophenol
 Concen: 19.464 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.00 min
 Lab File: BF116258.D
 Acq: 14 Aug 2019 3:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	45.4	68.2
63	27.7	23.7	35.5



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: 20.899 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116258.D

Acq: 14 Aug 2019 3:58

Instrument :

BNA_F

ClientSampleId :

CL-01-081219

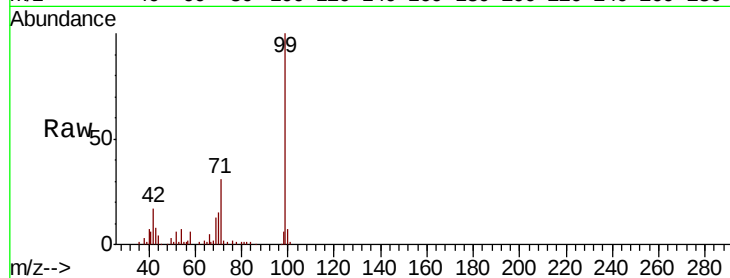
Tot Ion: 99 Resp: 228400

Ion Ratio Lower Upper

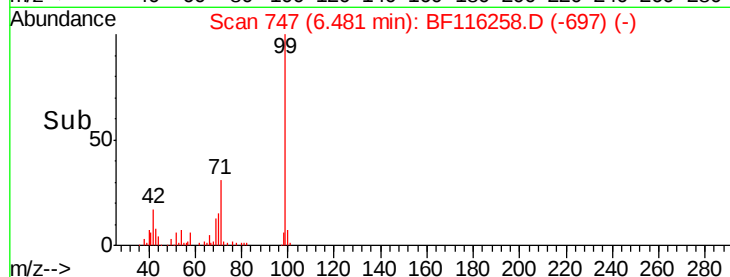
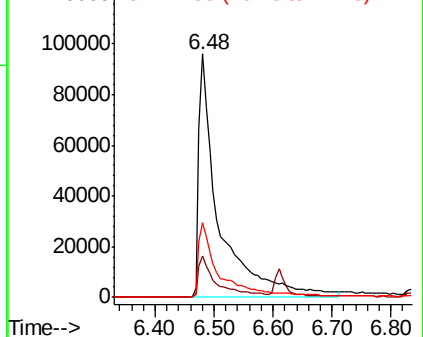
99 100

42 17.1 13.8 20.8

71 30.6 27.3 40.9



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116258.D

Acq: 14 Aug 2019 3:58

Tgt Ion: 136 Resp: 585577

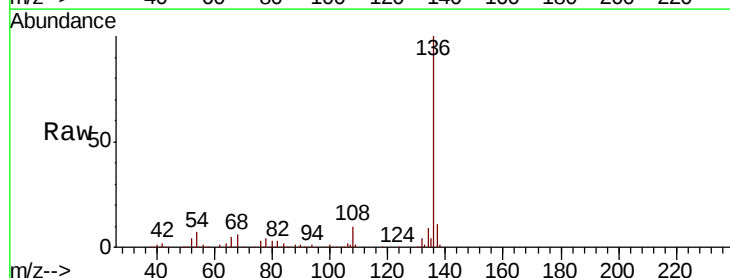
Ion Ratio Lower Upper

136 100

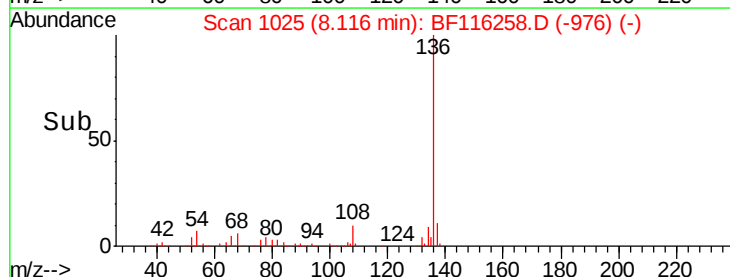
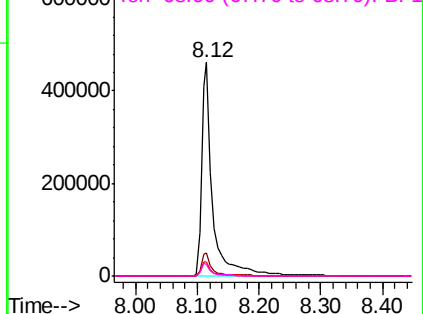
137 10.8 9.0 13.4

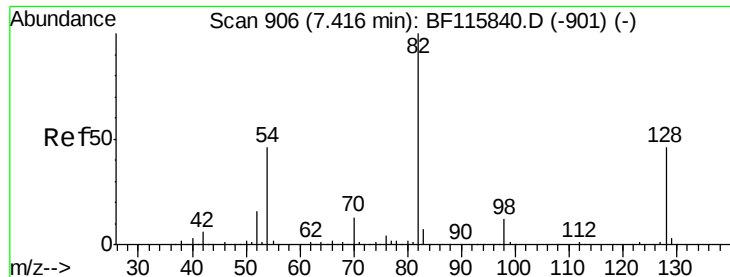
54 6.6 5.8 8.6

68 5.7 5.2 7.8



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

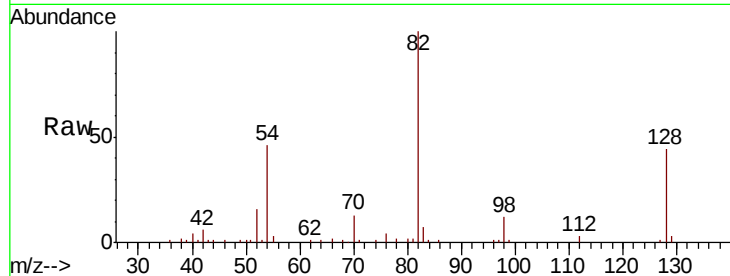




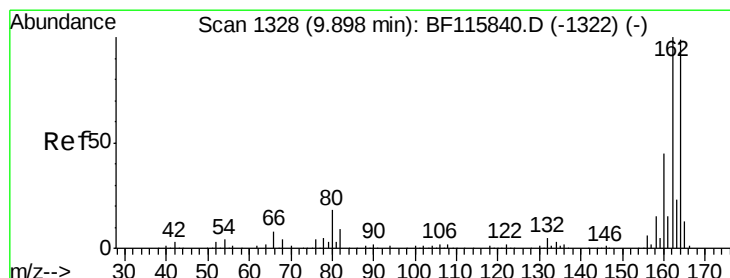
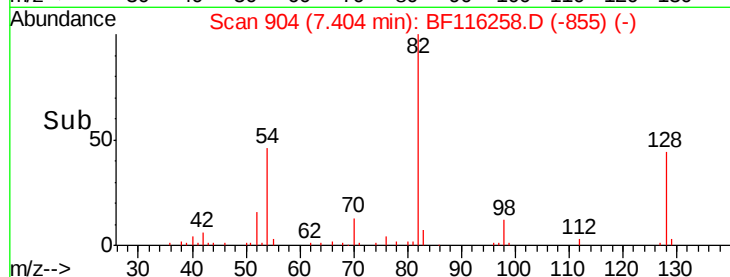
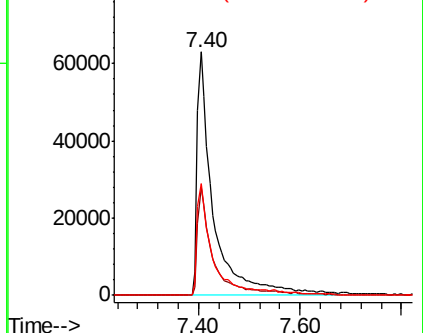
#23
 Nitrobenzene-d5
 Concen: 13.917 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF116258.D
 Acq: 14 Aug 2019 3:58

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-081219

Tot Ion: 82 Resp: 141184
 Ion Ratio Lower Upper
 82 100
 128 44.4 36.5 54.7
 54 45.7 36.0 54.0

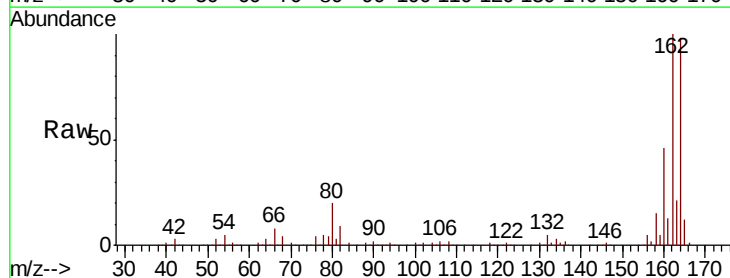


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

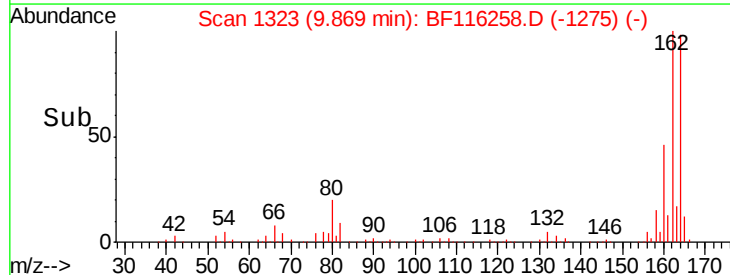
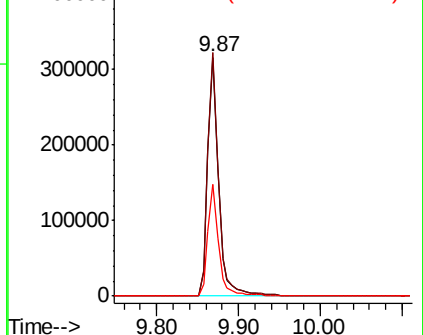


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF116258.D
 Acq: 14 Aug 2019 3:58

Tgt Ion:164 Resp: 297656
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.6 124.0
 160 46.5 37.6 56.4



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

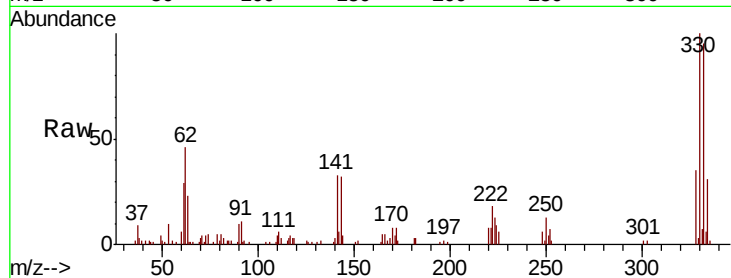




#42
 2,4,6-Tribromophenol
 Concen: 16.479 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116258.D
 Acq: 14 Aug 2019 3:58

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-081219

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.9	76.8	115.2
141	37.0	26.3	39.5

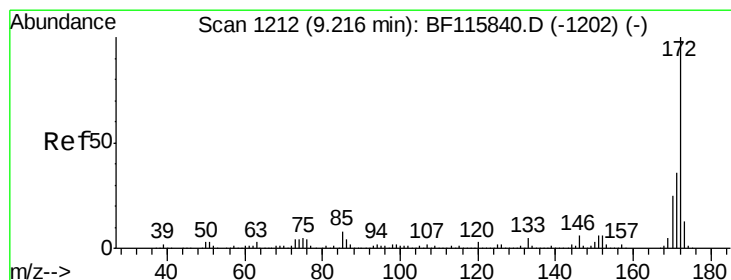
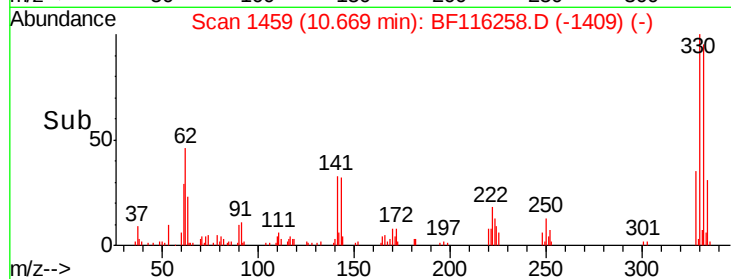
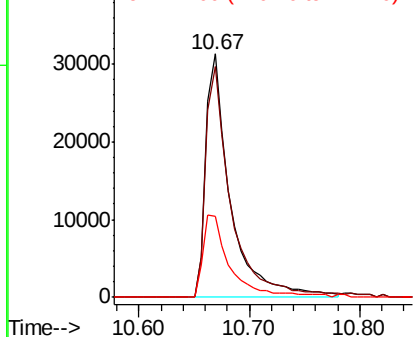


Abundance

Ion 329.80 (329.50 to 330.50): E

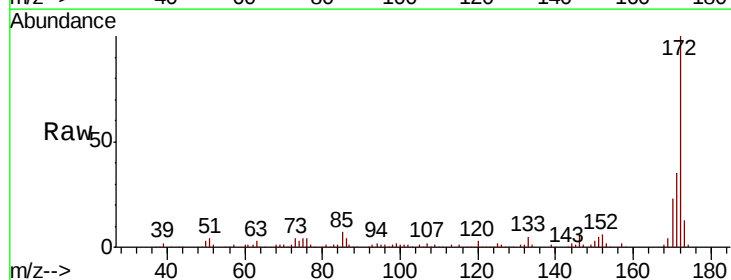
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 17.921 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF116258.D
 Acq: 14 Aug 2019 3:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.6	44.4
170	23.2	20.1	30.1

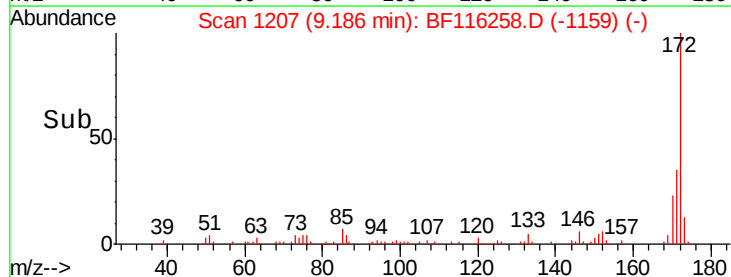
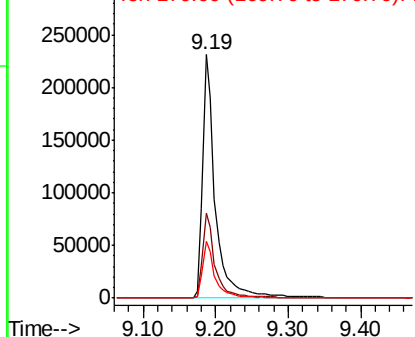


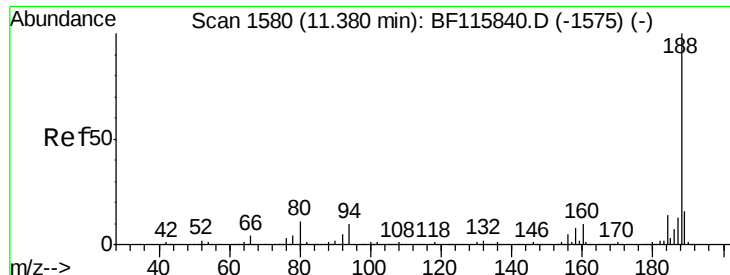
Abundance

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

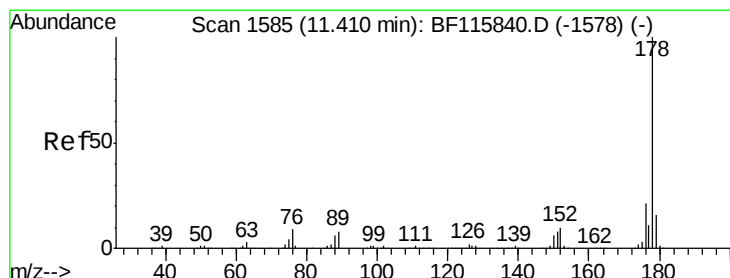
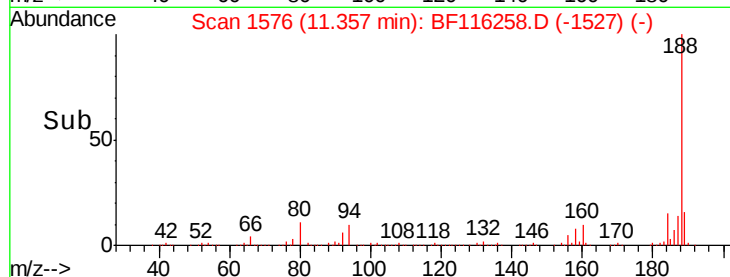
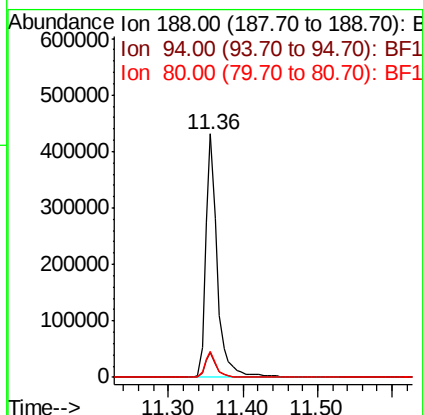
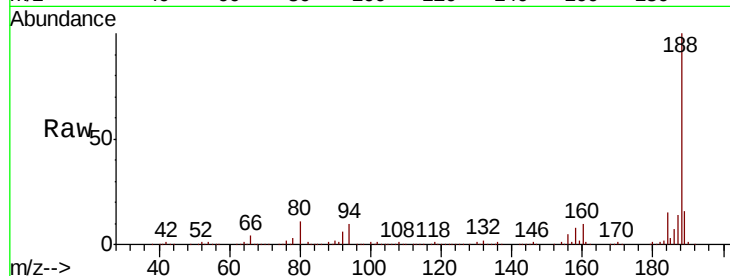




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116258.D
 Acq: 14 Aug 2019 3:58

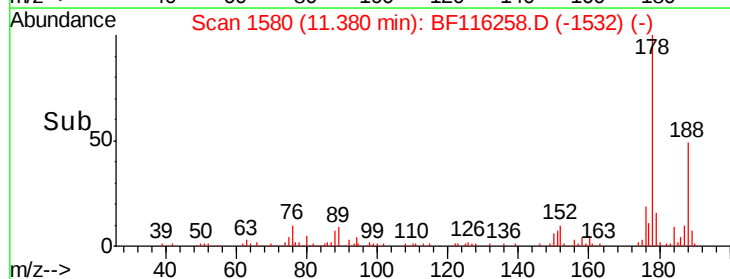
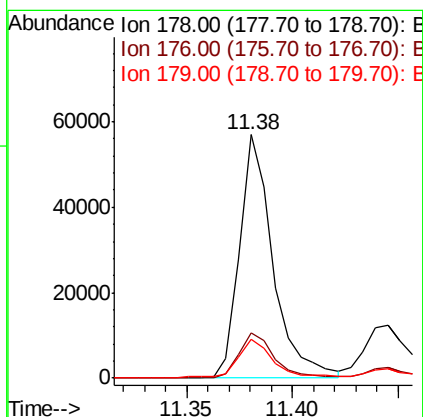
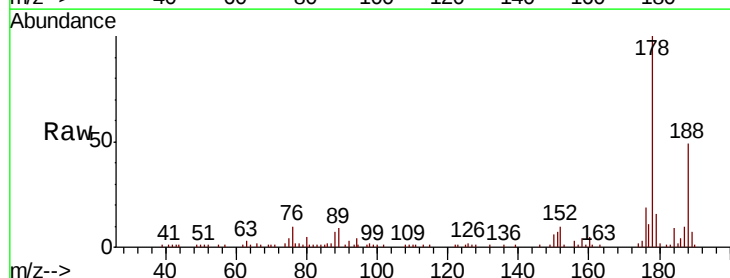
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-081219

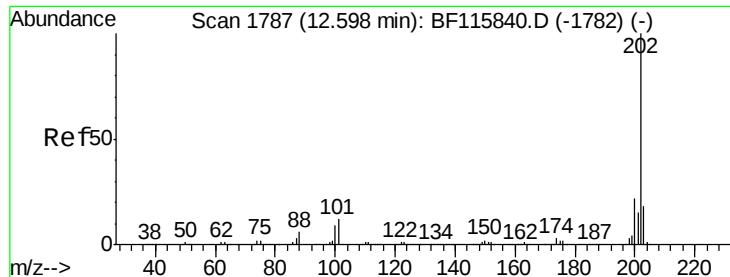
Tot Ion:188 Resp: 464982
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.1 12.1
 80 10.6 8.7 13.1



#71
 Phenanthrene
 Concen: 2.634 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF116258.D
 Acq: 14 Aug 2019 3:58

Tgt Ion:178 Resp: 62602
 Ion Ratio Lower Upper
 178 100
 176 18.6 16.6 24.8
 179 15.9 12.5 18.7





#75

Fluoranthene

Concen: 6.326 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116258.D

Acq: 14 Aug 2019 3:58

Instrument :

BNA_F

ClientSampleId :

CL-01-081219

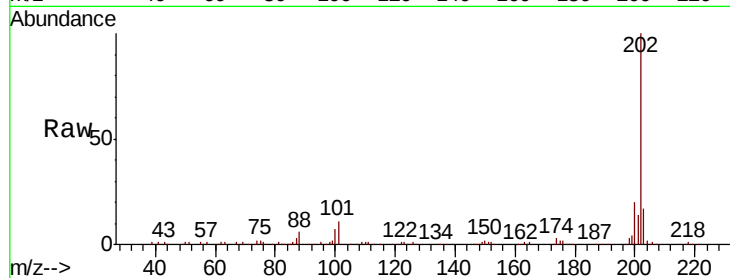
Tot Ion:202 Resp: 157439

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.2

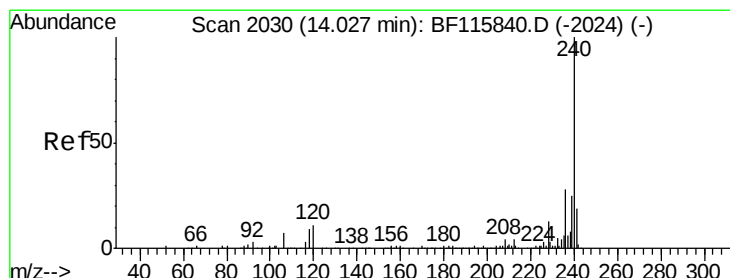
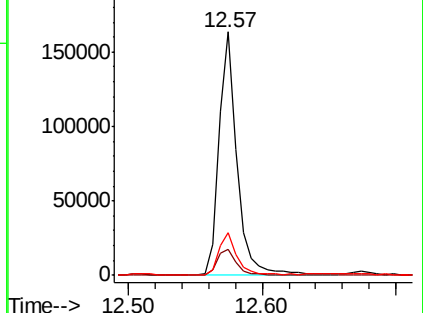
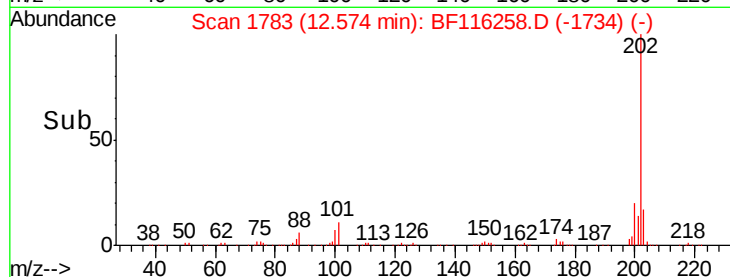
203 17.3 0.0 37.8



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# 2025

Delta R.T. -0.01 min

Lab File: BF116258.D

Acq: 14 Aug 2019 3:58

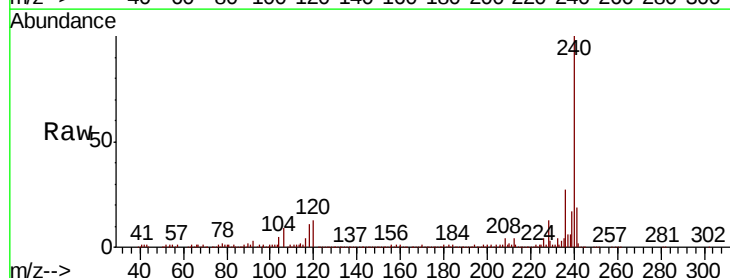
Tgt Ion:240 Resp: 307980

Ion Ratio Lower Upper

240 100

120 13.0 10.7 16.1

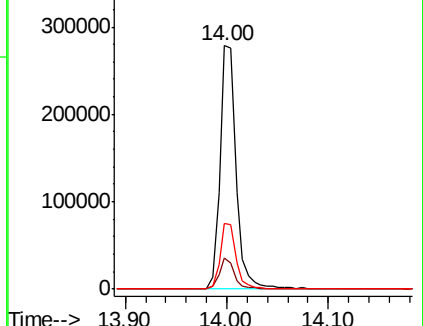
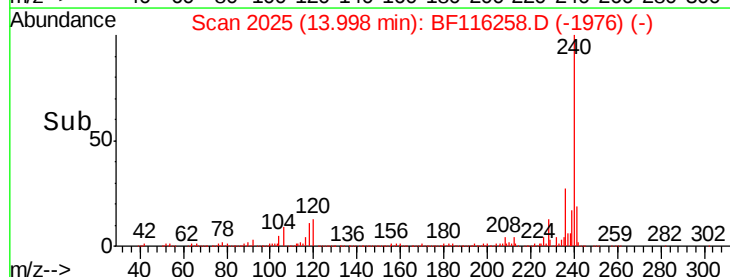
236 26.9 22.2 33.2

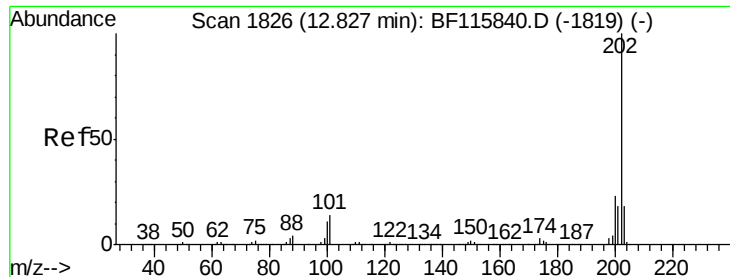


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

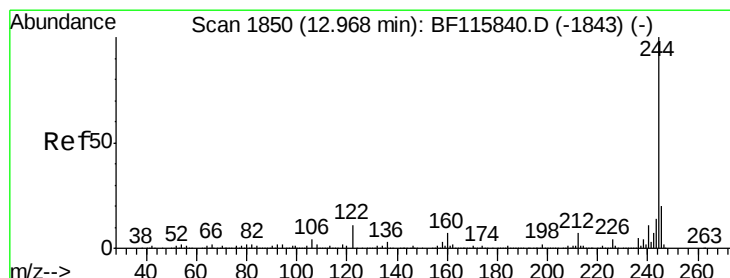
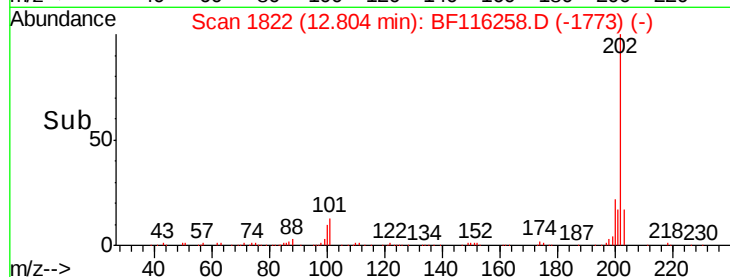
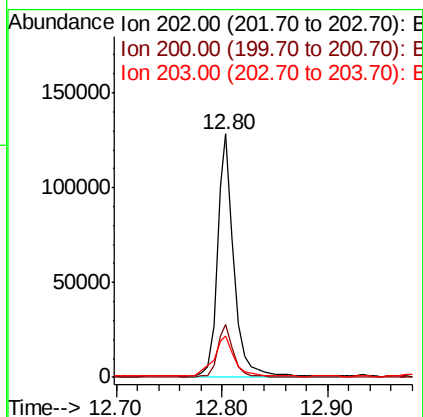
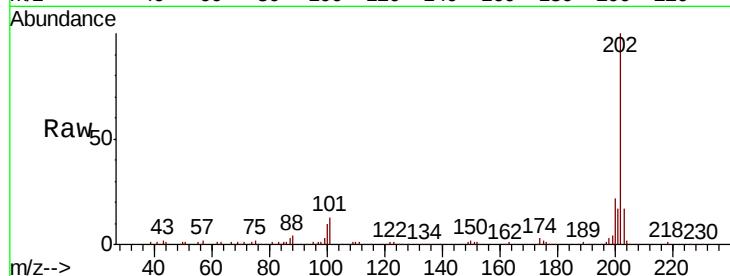




#78
Pvrene
Concen: 5.949 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116258.D
Acq: 14 Aug 2019 3:58

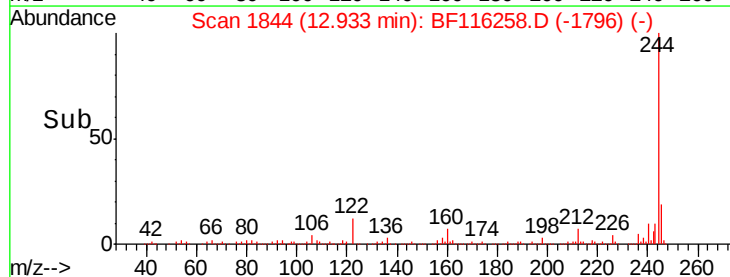
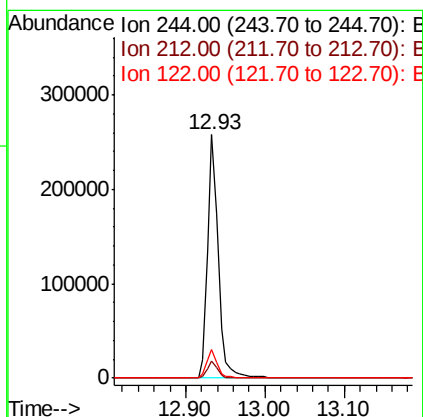
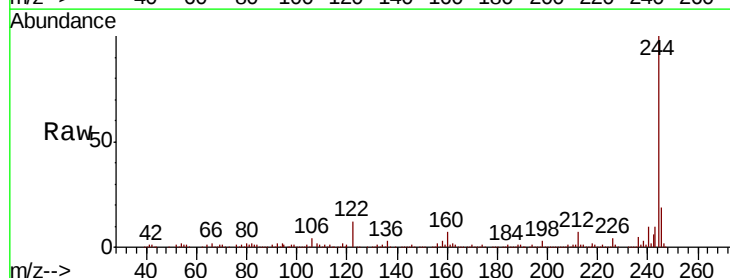
Instrument :
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CL-01-081219

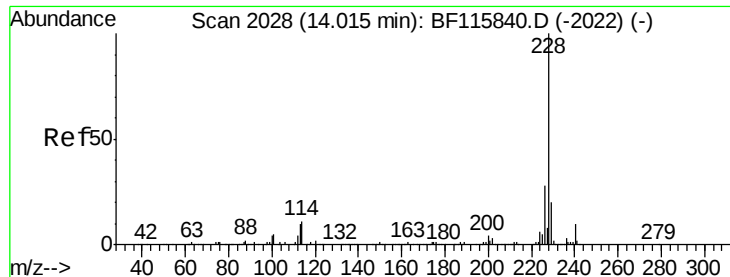
Tot Ion:202 Resp: 138113
Ion Ratio Lower Upper
202 100
200 21.7 18.0 27.0
203 17.2 14.1 21.1



#79
Terphenyl-d14
Concen: 16.744 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.02 min
Lab File: BF116258.D
Acq: 14 Aug 2019 3:58

Tgt Ion:244 Resp: 244734
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.8
122 11.6 9.0 13.4

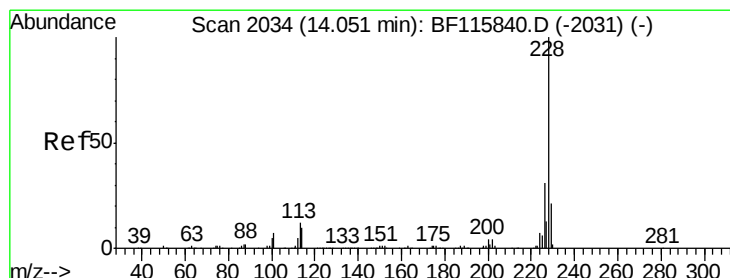
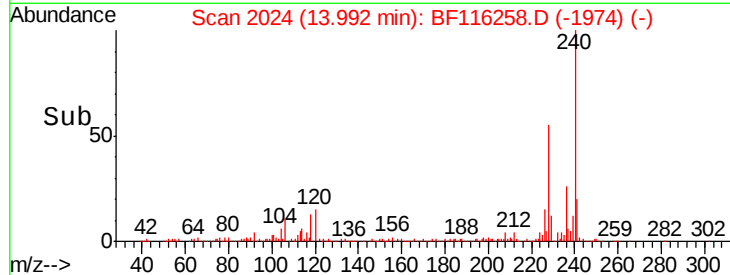
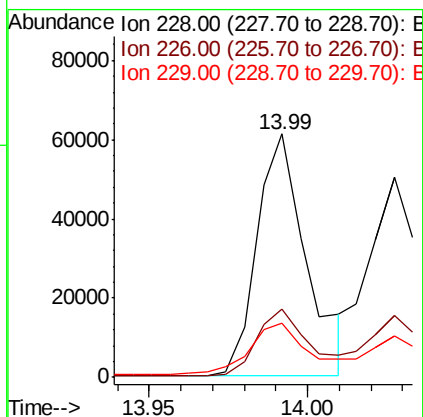
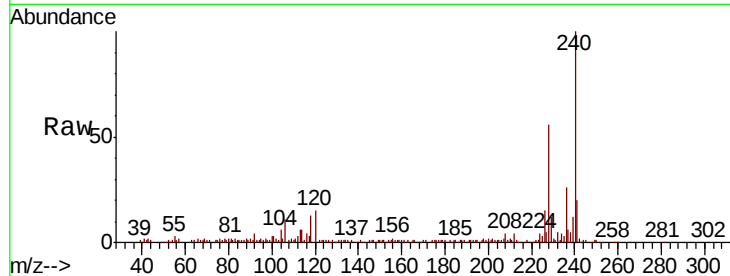




#81
Benzo(a)anthracene
Concen: 3.367 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116258.D
Acq: 14 Aug 2019 3:58

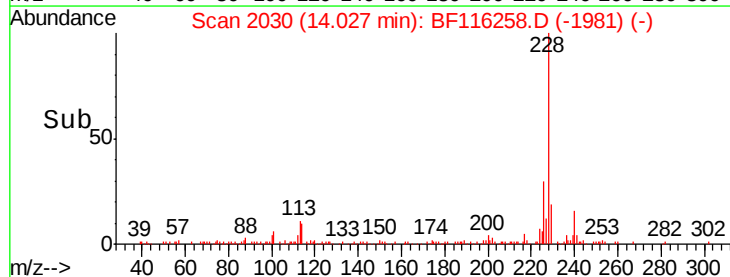
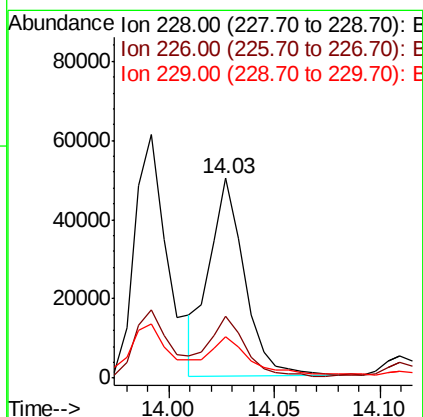
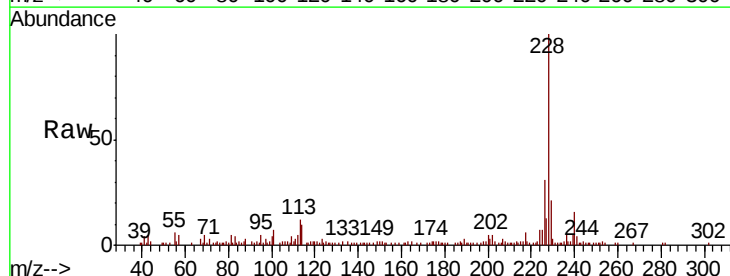
Instrument :
BNA_F
ClientSampleId :
CL-01-081219

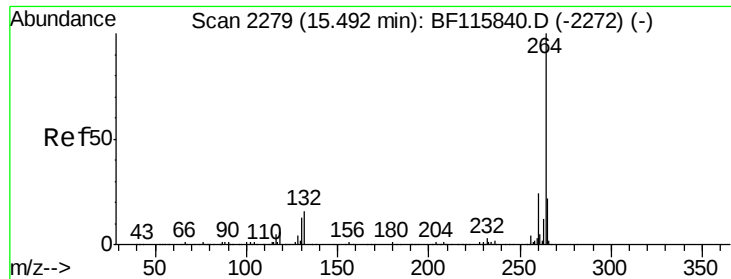
Tot Ion:228 Resp: 66273
Ion Ratio Lower Upper
228 100
226 27.8 22.7 34.1
229 22.0 16.2 24.4



#83
Chrysene
Concen: 3.027 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116258.D
Acq: 14 Aug 2019 3:58

Tgt Ion:228 Resp: 57855
Ion Ratio Lower Upper
228 100
226 30.8 25.5 38.3
229 20.7 16.6 24.8

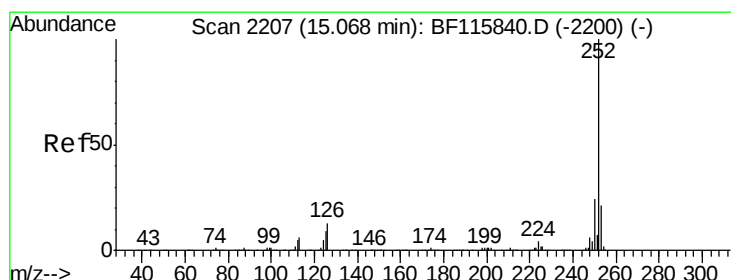
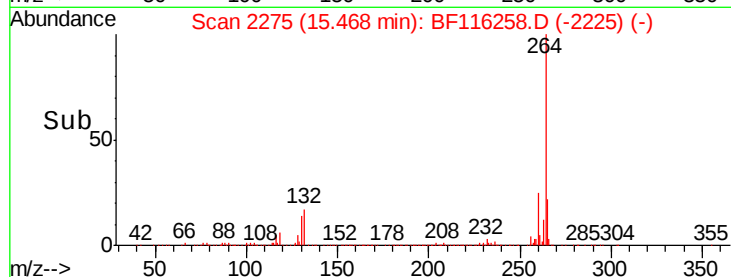
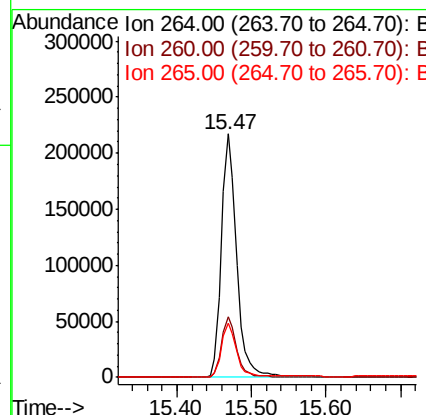
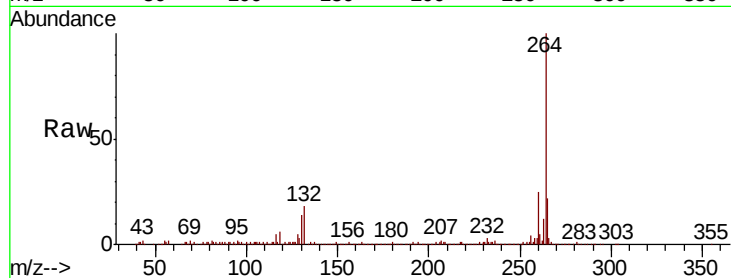




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF116258.D
 Acq: 14 Aug 2019 3:58

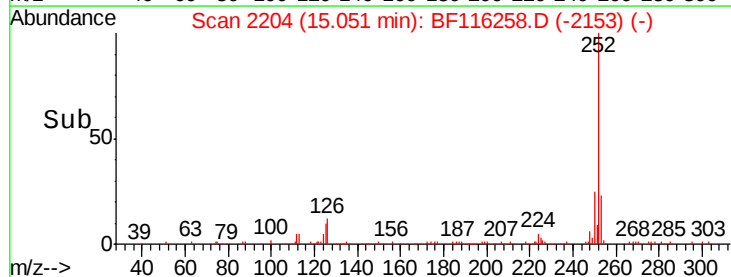
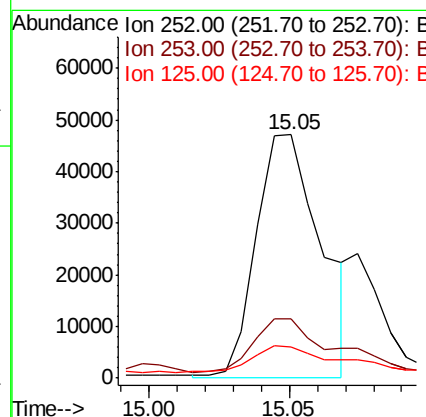
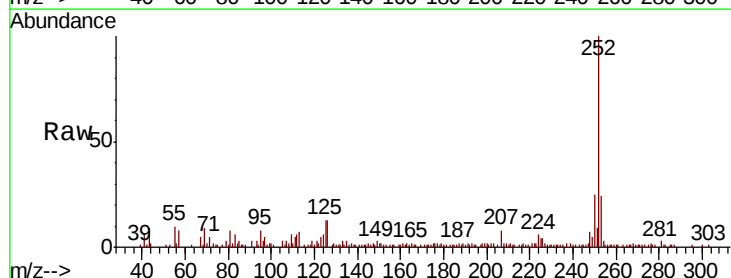
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-081219

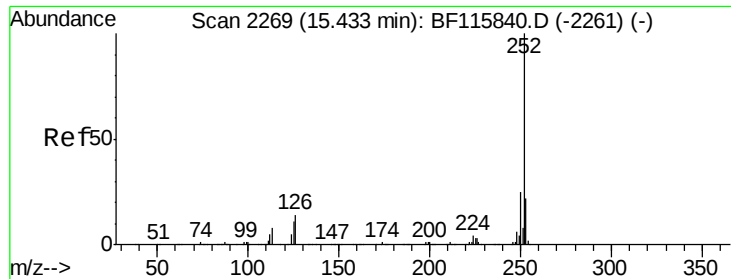
Tot Ion:264 Resp: 308601
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.7 29.5
 265 22.1 17.4 26.0



#88
 Benzo(b)fluoranthene
 Concen: 4.251 ng m
 RT: 15.05 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: BF116258.D
 Acq: 14 Aug 2019 3:58

Tgt Ion:252 Resp: 75848
 Ion Ratio Lower Upper
 252 100
 253 24.3 17.8 26.8
 125 13.0 8.4 12.6#





#90

Benzo(a)pyrene

Concen: 2.954 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF116258.D

Acq: 14 Aug 2019 3:58

Instrument :

BNA_F

ClientSampleId :

CL-01-081219

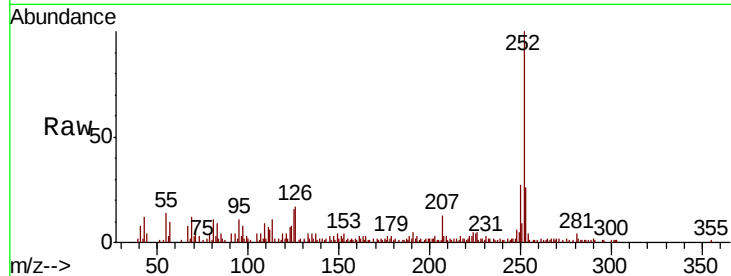
Tot Ion:252 Resp: 47122

Ion Ratio Lower Upper

252 100

253 25.5 18.0 27.0

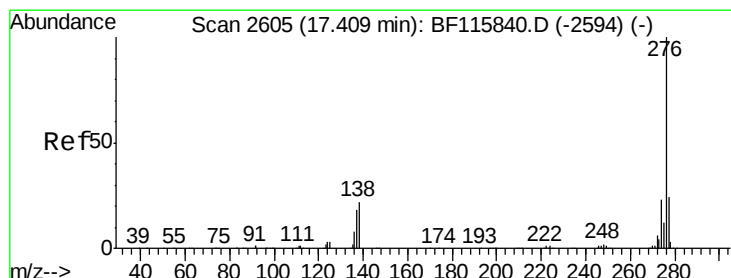
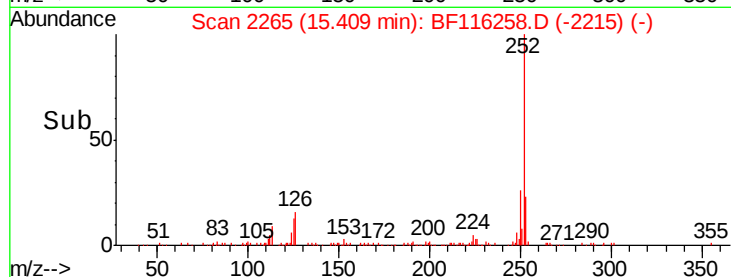
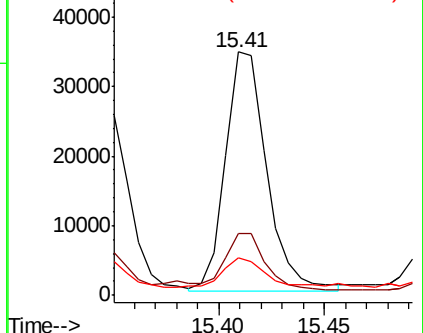
125 15.6 8.9 13.3#



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



#92

Benzo(g,h,i)perylene

Concen: 2.043 ng

RT: 17.41 min Scan# 2605

Delta R.T. 0.02 min

Lab File: BF116258.D

Acq: 14 Aug 2019 3:58

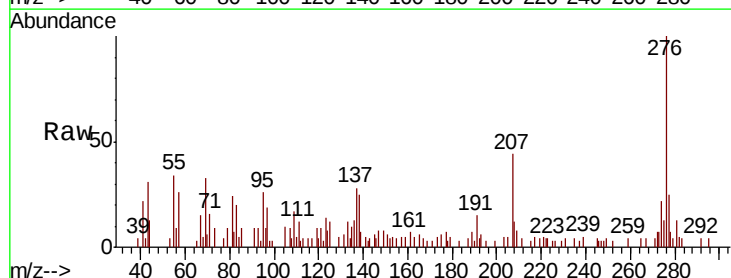
Tgt Ion:276 Resp: 27704

Ion Ratio Lower Upper

276 100

277 25.5 18.4 27.6

138 24.8 17.0 25.6



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

