

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081919\
 Data File : BF116401.D
 Acq On : 19 Aug 2019 21:28
 Operator : HP/JU
 Sample : K4277-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-22

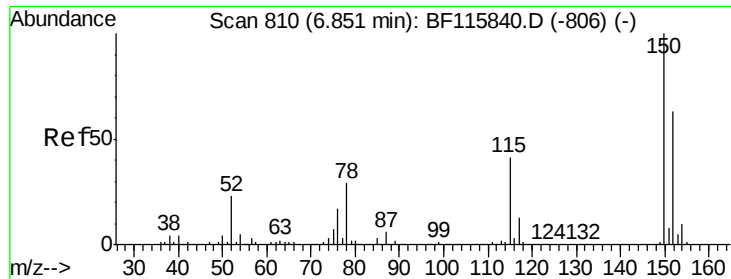
Quant Time: Aug 20 01:43:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	83341	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	334259	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	181750	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	342920	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	320638	20.00	ng	-0.02
87) Perylene-d12	15.42	264	323810	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	367365	73.79	ng	0.00
7) Phenol-d6	6.45	99	519863	82.77	ng	-0.02
23) Nitrobenzene-d5	7.37	82	309645	53.47	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	132282	75.07	ng	-0.02
45) 2-Fluorobiphenyl	9.15	172	580375	59.81	ng	-0.02
79) Terphenyl-d14	12.90	244	747822	49.15	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	39104	10.047	ng	# 82
25) Isophorone	7.37	82	309645	27.965	ng	# 65
50) Dimethylphthalate	9.55	163	133740	10.807	ng	99
57) 2,4-Dinitrotoluene	9.83	165	22844	6.380	ng	# 20
67) 4-Bromophenyl-phenylether	10.63	248	7949	2.165	ng	# 1
71) Phenanthrene	11.35	178	245274	13.991	ng	98
72) Anthracene	11.41	178	46927	2.645	ng	97
75) Fluoranthene	12.53	202	534378	29.117	ng	98
78) Pyrene	12.76	202	518831	21.466	ng	99
81) Benzo(a)anthracene	13.95	228	246367	12.021	ng	98
83) Chrysene	13.99	228	226209	11.369	ng	98
86) Indeno(1,2,3-cd)pyrene	16.89	276	101211	6.057	ng	92
88) Benzo(b)fluoranthene	15.00	252	341347	18.231	ng	99
89) Benzo(k)fluoranthene	15.00	252	341347	18.718	ng	# 98
90) Benzo(a)pyrene	15.36	252	185012	11.054	ng	99
92) Benzo(g,h,i)perylene	17.33	276	95035	6.679	ng	97

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

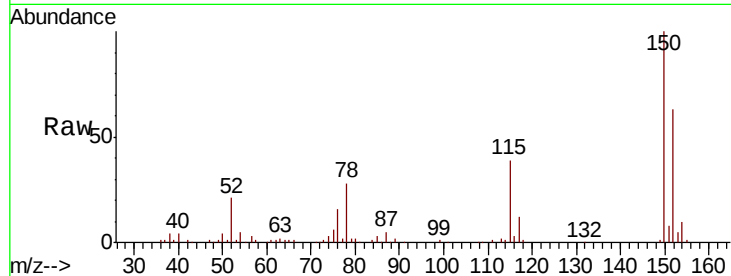


#1

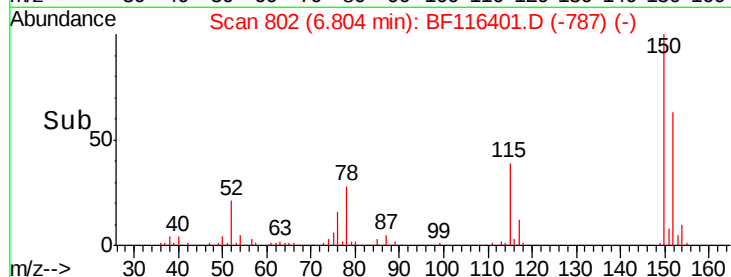
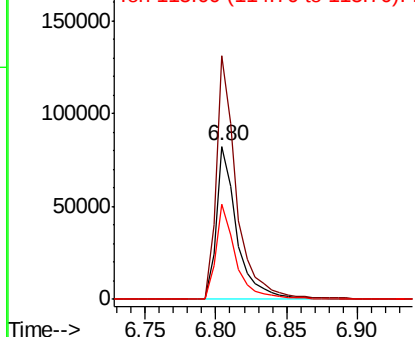
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116401.D
Acq: 19 Aug 2019 21:28

Instrument :
BNA_F
ClientSampleId :
TP-22

Tgt Ion:152 Resp: 83341
Ion Ratio Lower Upper
152 100
150 158.8 126.2 189.2
115 62.0 49.9 74.9



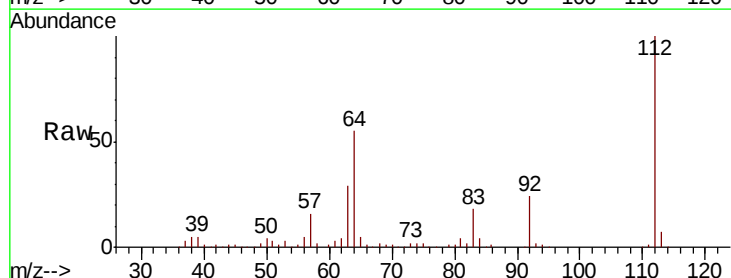
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



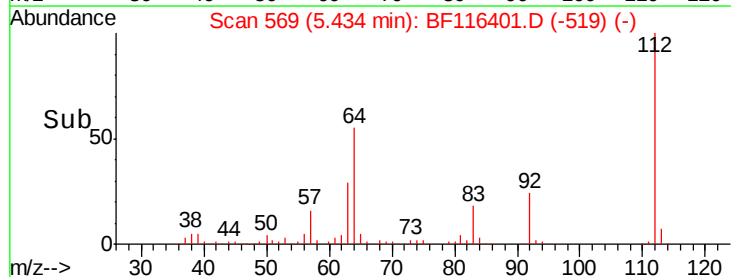
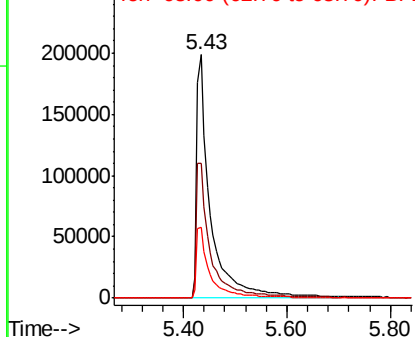
#5

2-Fluorophenol
Concen: 73.792 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF116401.D
Acq: 19 Aug 2019 21:28

Tgt Ion:112 Resp: 367365
Ion Ratio Lower Upper
112 100
64 55.3 45.4 68.2
63 29.0 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: 82.766 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF116401.D

Acq: 19 Aug 2019 21:28

Instrument :

BNA_F

ClientSampleId :

TP-22

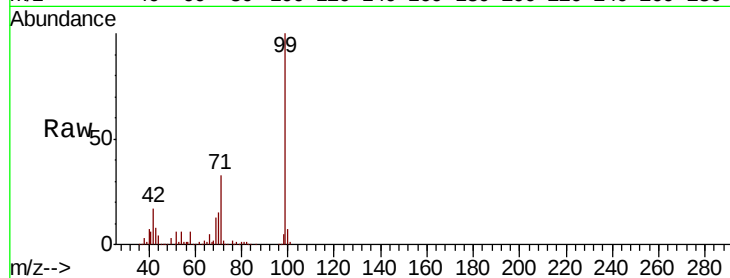
Tgt Ion: 99 Resp: 519863

Ion Ratio Lower Upper

99 100

42 16.7 13.8 20.8

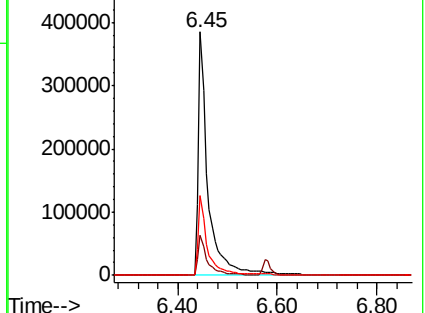
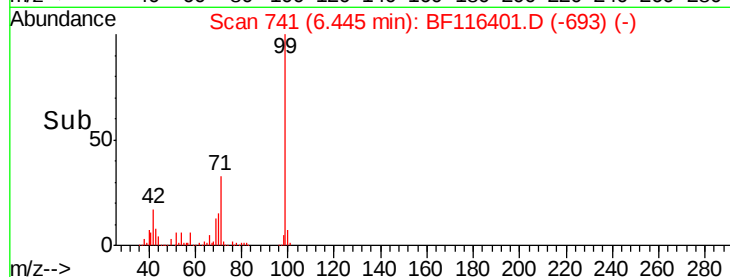
71 32.8 27.3 40.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.047 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF116401.D

Acq: 19 Aug 2019 21:28

Tgt Ion: 70 Resp: 39104

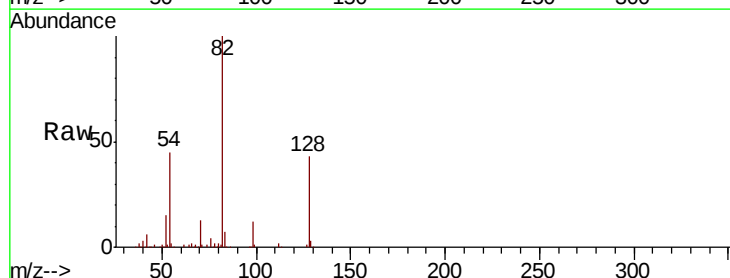
Ion Ratio Lower Upper

70 100

42 45.7 40.9 61.3

101 0.0 7.9 11.9#

130 2.3 16.9 25.3#

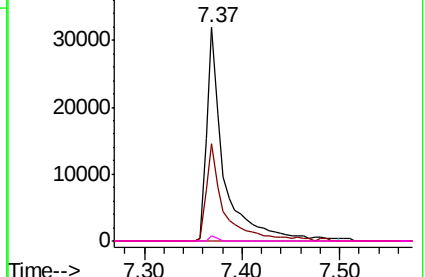
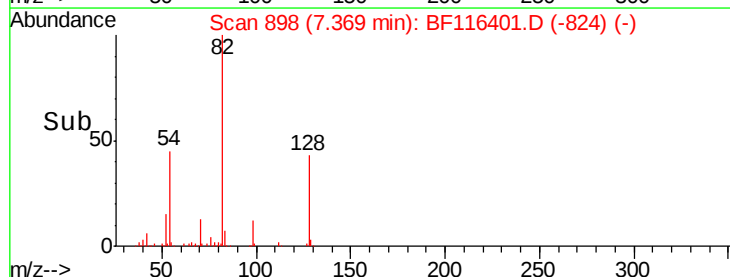


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF116401.D

Acq: 19 Aug 2019 21:28

Instrument :

BNA_F

ClientSampleId :

TP-22

Tgt Ion:136 Resp: 334259

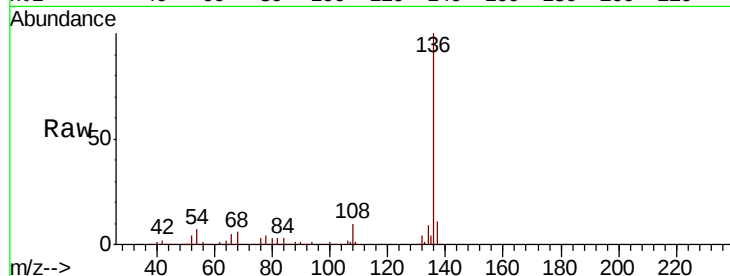
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 6.7 5.8 8.6

68 5.9 5.2 7.8

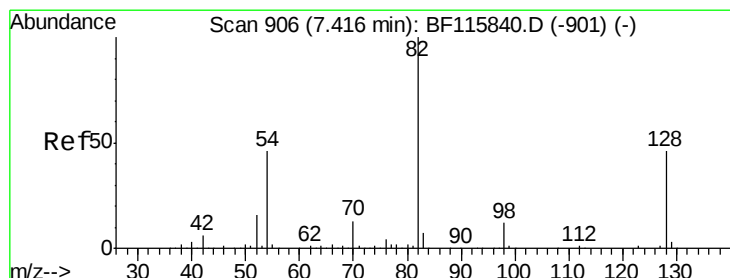
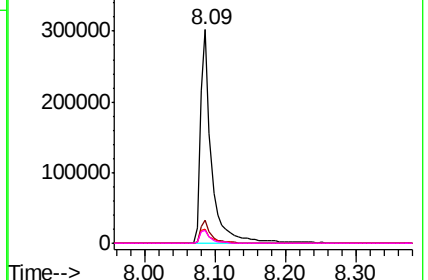
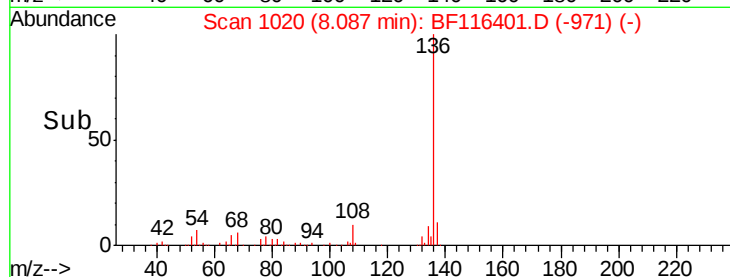


Abundance Ion 136.00 (135.70 to 136.70): E

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: 53.473 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF116401.D

Acq: 19 Aug 2019 21:28

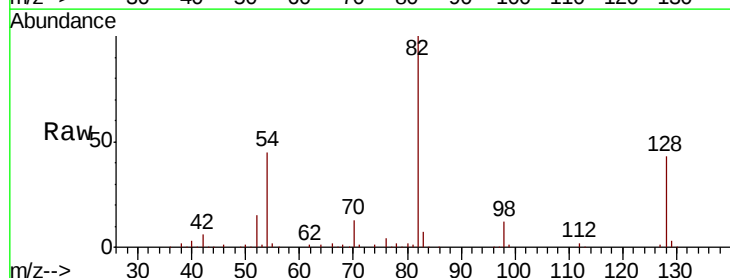
Tgt Ion: 82 Resp: 309645

Ion Ratio Lower Upper

82 100

128 43.2 36.5 54.7

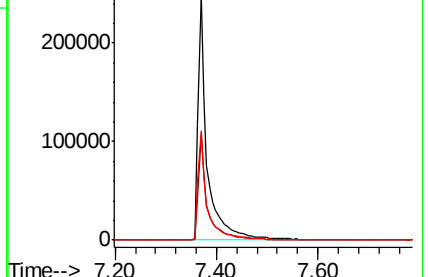
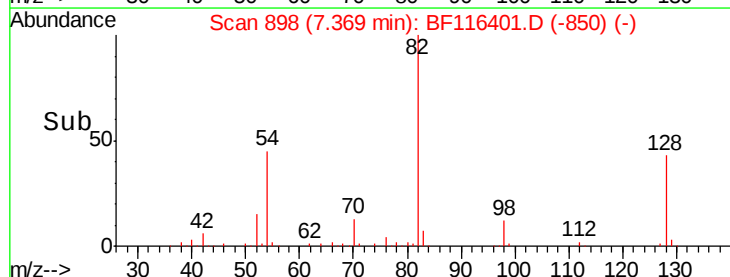
54 45.0 36.0 54.0



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

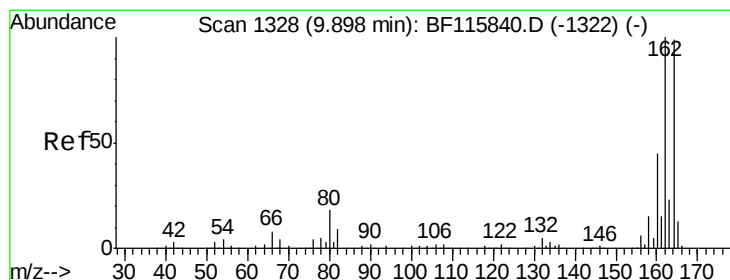
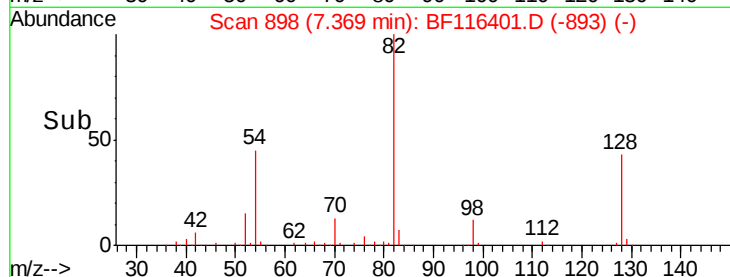
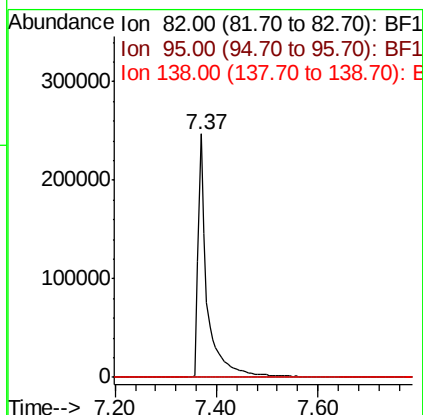
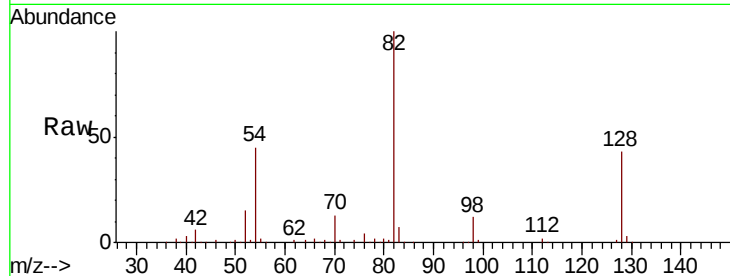




#25
Isophorone
Concen: 27.965 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.27 min
Lab File: BF116401.D
Acq: 19 Aug 2019 21:28

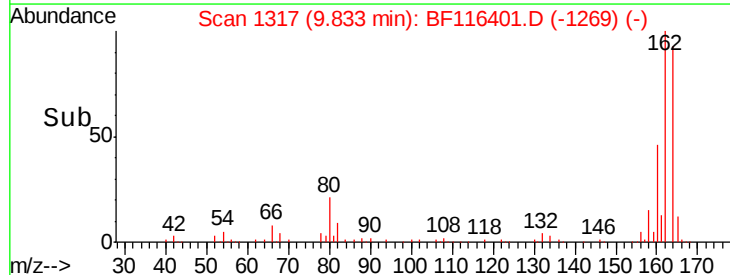
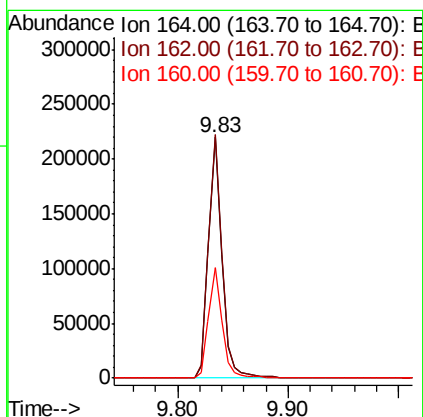
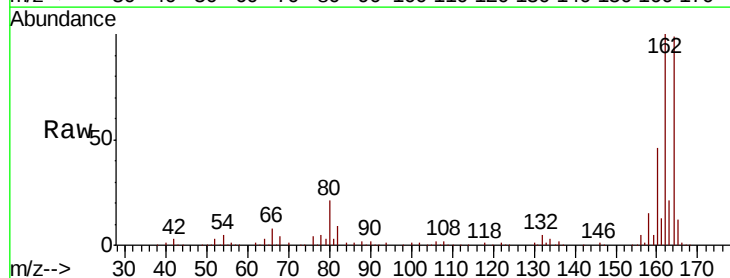
Instrument :
BNA_F
ClientSampleId :
TP-22

Tgt Ion: 82 Resp: 309645
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BF116401.D
Acq: 19 Aug 2019 21:28

Tgt Ion: 164 Resp: 181750
Ion Ratio Lower Upper
164 100
162 101.2 82.6 124.0
160 46.0 37.6 56.4

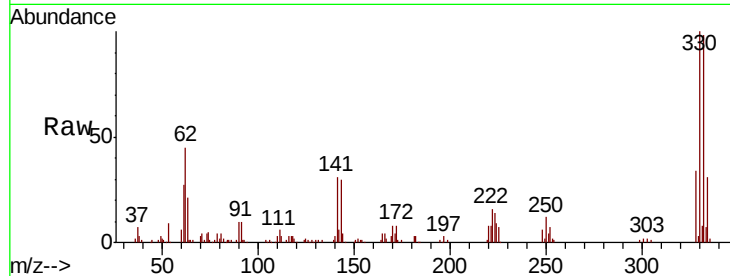




#42
 2,4,6-Tribromophenol
 Concen: 75.070 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BF116401.D
 Acq: 19 Aug 2019 21:28

Instrument :
 BNA_F
 ClientSampleId :
 TP-22

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.8	115.2
141	35.4	26.3	39.5

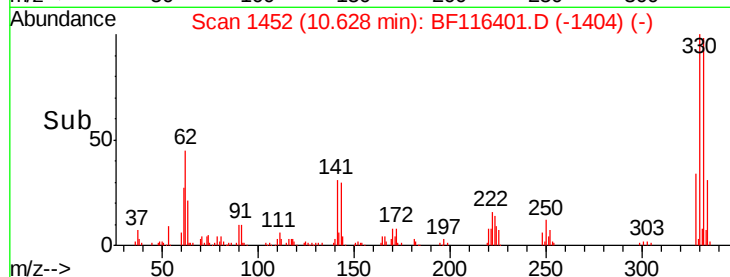
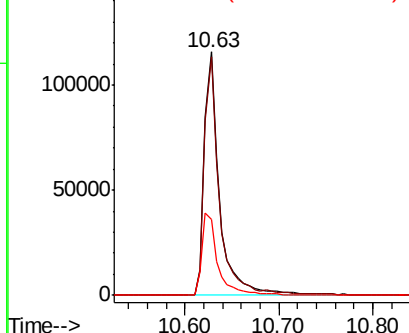


Abundance

Ion 329.80 (329.50 to 330.50): E

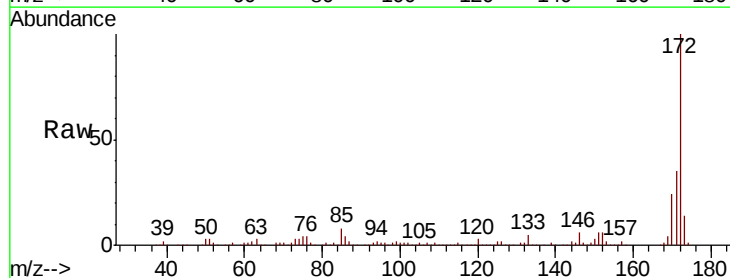
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 59.812 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.02 min
 Lab File: BF116401.D
 Acq: 19 Aug 2019 21:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	24.3	20.1	30.1

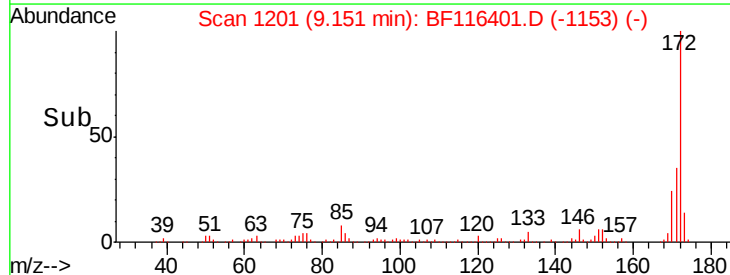
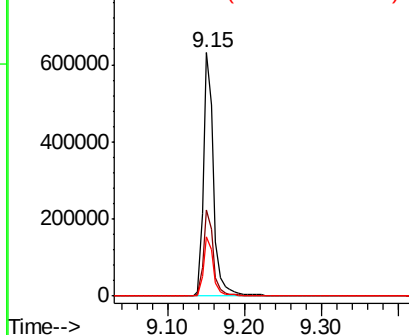


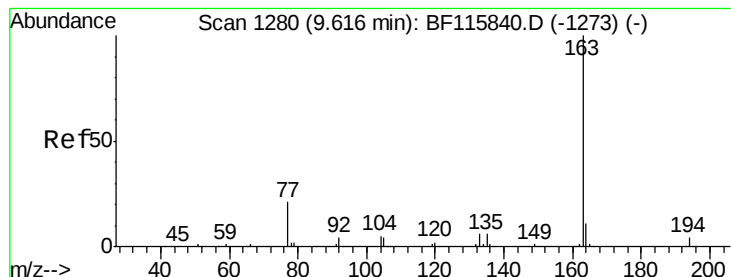
Abundance

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





#50

Dimethylphthalate

Concen: 10.807 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF116401.D

Acq: 19 Aug 2019 21:28

Instrument :

BNA_F

ClientSampleId :

TP-22

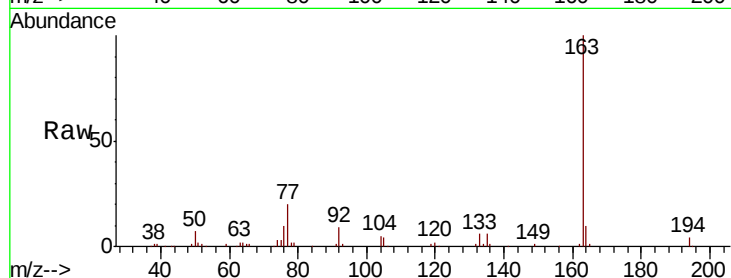
Tgt Ion:163 Resp: 133740

Ion Ratio Lower Upper

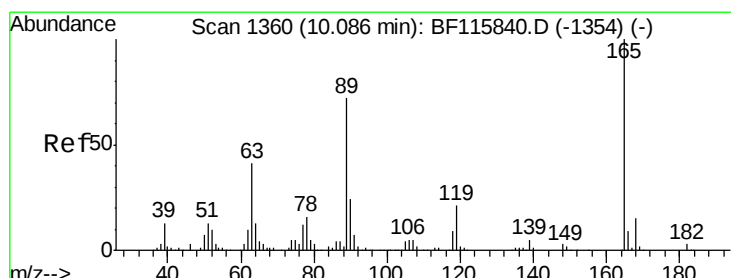
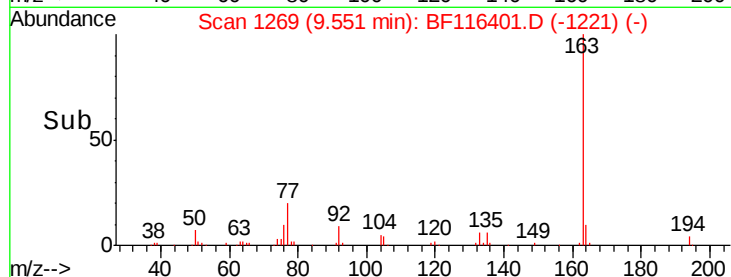
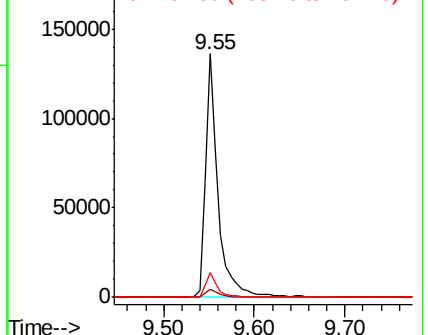
163 100

194 3.6 3.0 4.6

164 10.0 8.4 12.6



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: 6.380 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.22 min

Lab File: BF116401.D

Acq: 19 Aug 2019 21:28

Tgt Ion:165 Resp: 22844

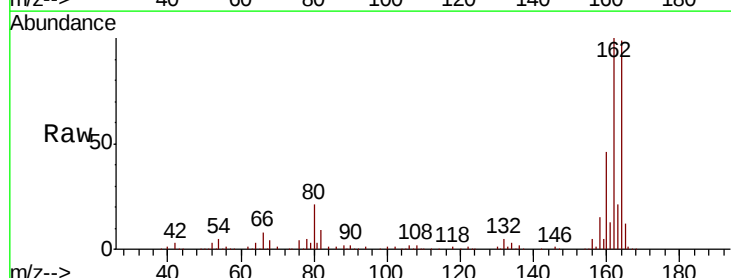
Ion Ratio Lower Upper

165 100

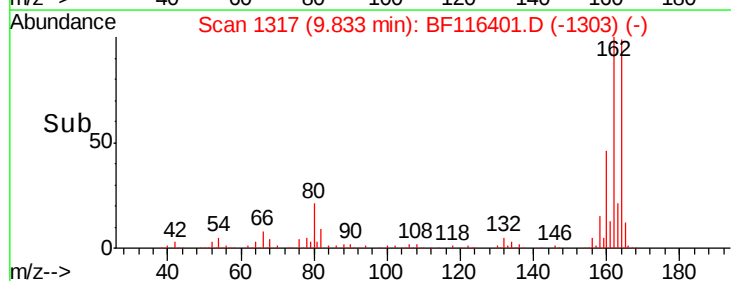
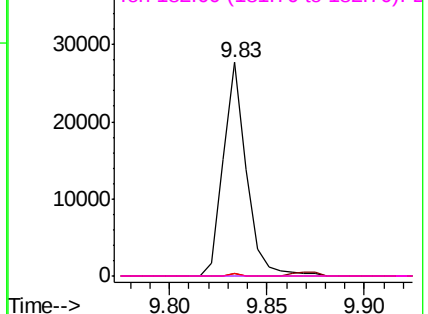
63 1.2 39.6 59.4#

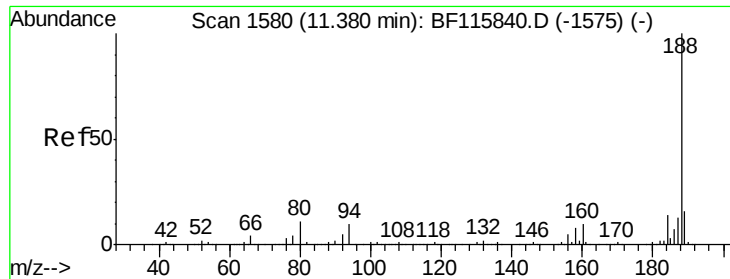
89 1.2 62.2 93.2#

182 0.0 2.1 3.1#



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

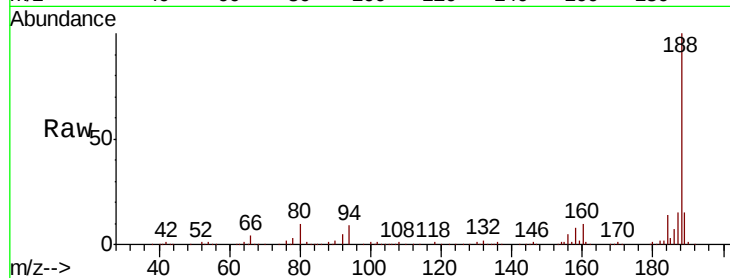




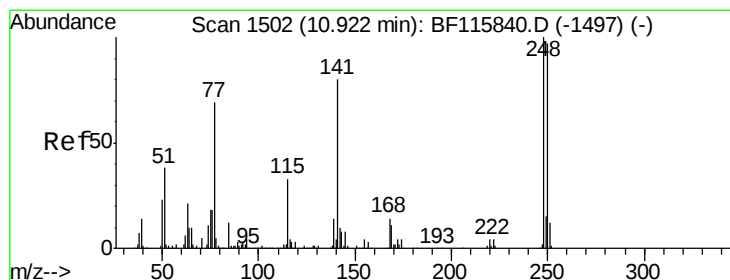
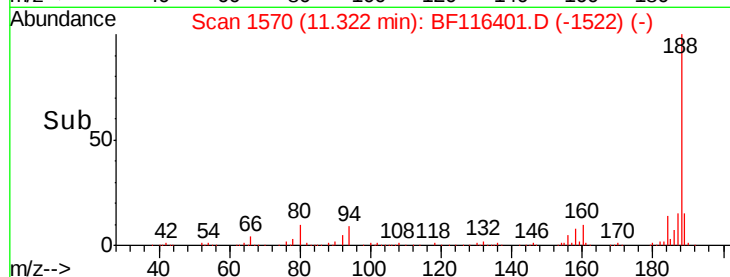
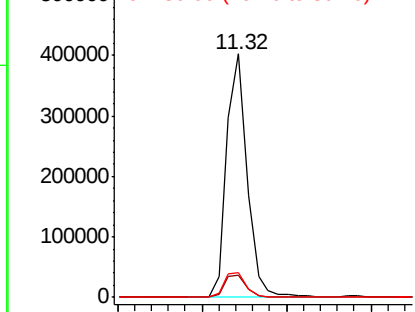
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF116401.D
 Acq: 19 Aug 2019 21:28

Instrument :
 BNA_F
 ClientSampled :
 TP-22

Tgt Ion:188 Resp: 342920
 Ion Ratio Lower Upper
 188 100
 94 9.3 8.1 12.1
 80 10.3 8.7 13.1

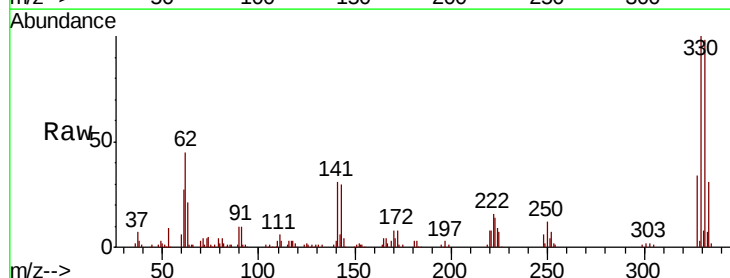


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

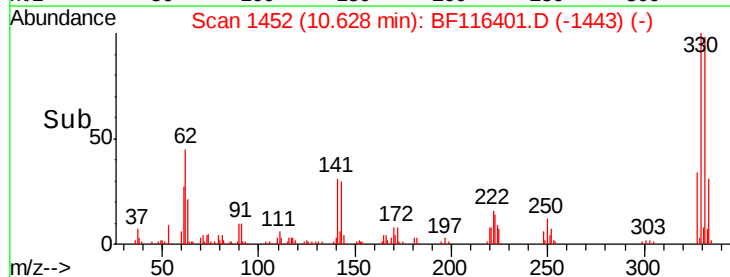
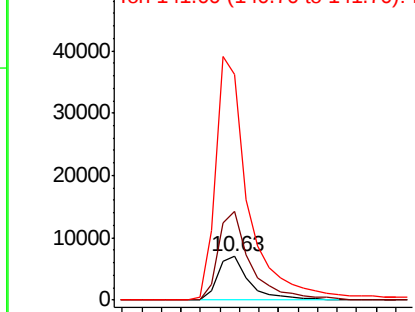


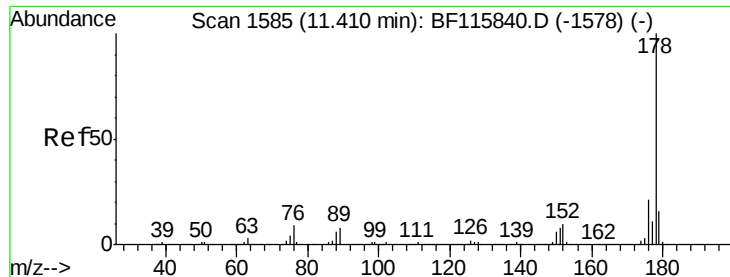
#67
 4-Bromophenyl-phenylether
 Concen: 2.165 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF116401.D
 Acq: 19 Aug 2019 21:28

Tgt Ion:248 Resp: 7949
 Ion Ratio Lower Upper
 248 100
 250 204.0 77.4 116.2#
 141 522.1 56.8 85.2#



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

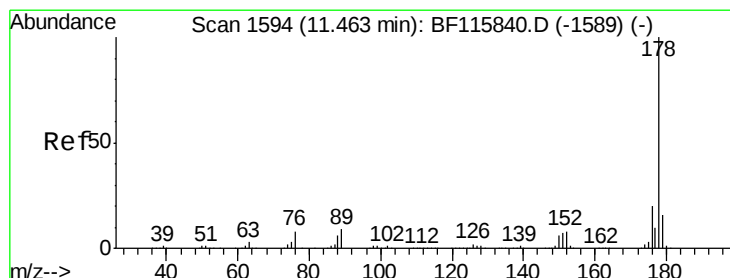
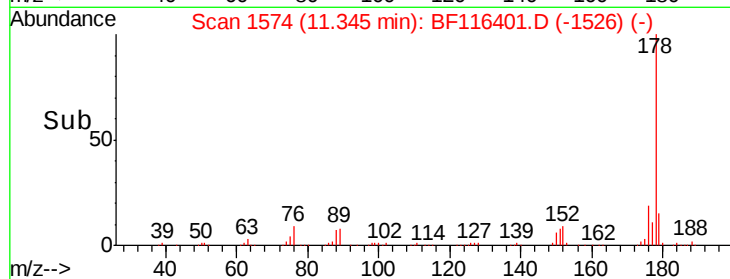
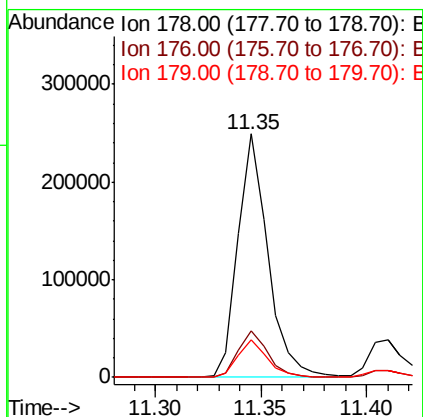
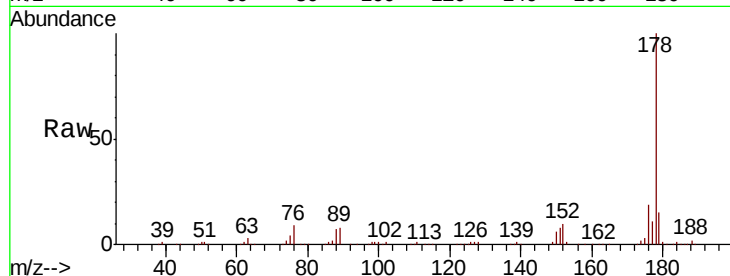




#71
 Phenanthrene
 Concen: 13.991 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: BF116401.D
 Acq: 19 Aug 2019 21:28

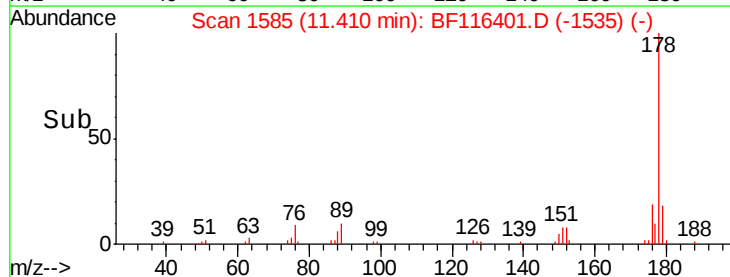
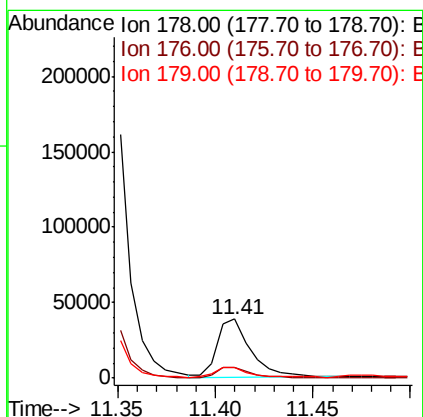
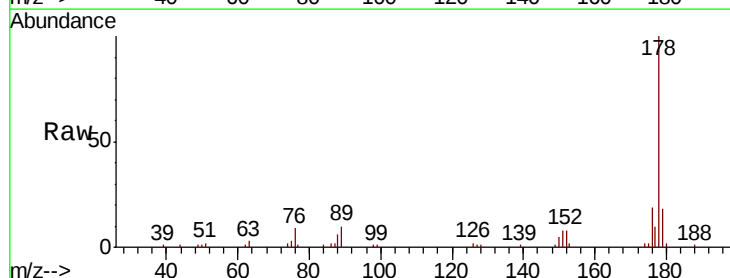
Instrument :
 BNA_F
 ClientSampleId :
 TP-22

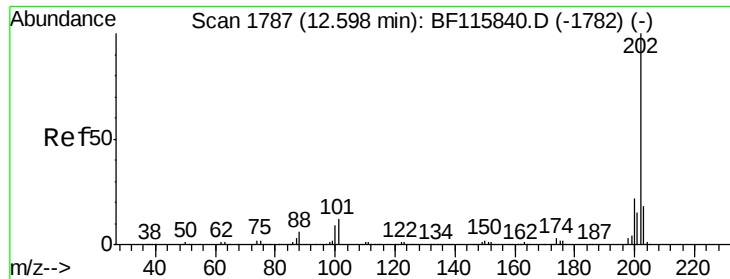
Tgt Ion:178 Resp: 245274
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.6 24.8
 179 15.4 12.5 18.7



#72
 Anthracene
 Concen: 2.645 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF116401.D
 Acq: 19 Aug 2019 21:28

Tgt Ion:178 Resp: 46927
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.7 23.5
 179 18.4 13.0 19.6





#75

Fluoranthene

Concen: 29.117 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.02 min

Lab File: BF116401.D

Acq: 19 Aug 2019 21:28

Instrument :

BNA_F

ClientSampleId :

TP-22

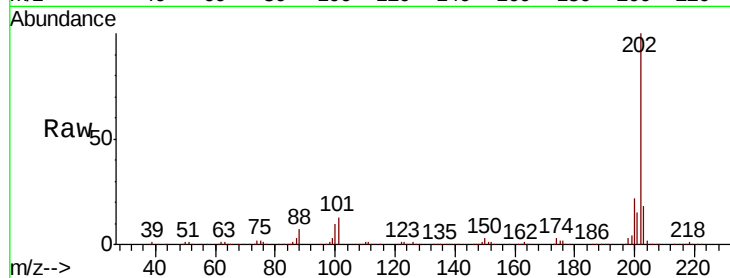
Tgt Ion: 202 Resp: 534378

Ion Ratio Lower Upper

202 100

101 13.0 0.0 31.2

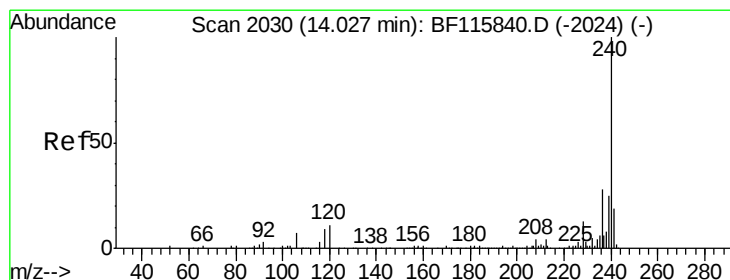
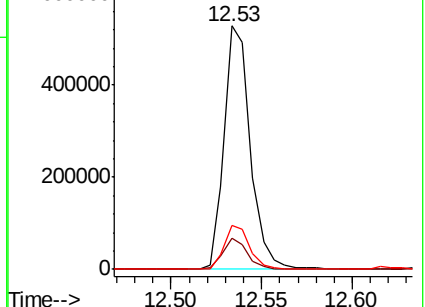
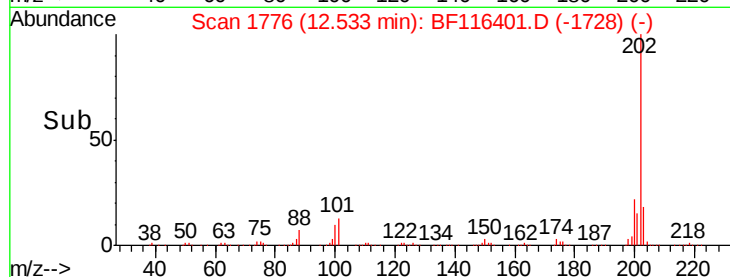
203 18.0 0.0 37.8



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: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF116401.D

Acq: 19 Aug 2019 21:28

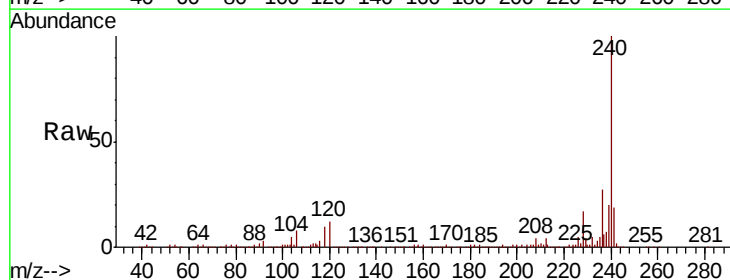
Tgt Ion: 240 Resp: 320638

Ion Ratio Lower Upper

240 100

120 11.7 10.7 16.1

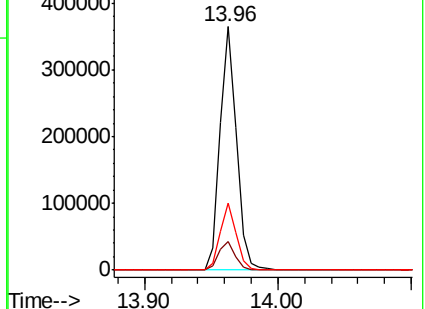
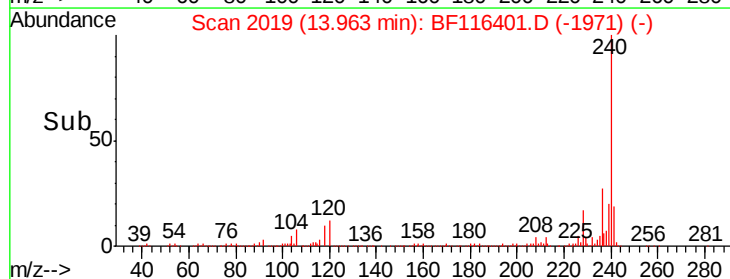
236 27.4 22.2 33.2

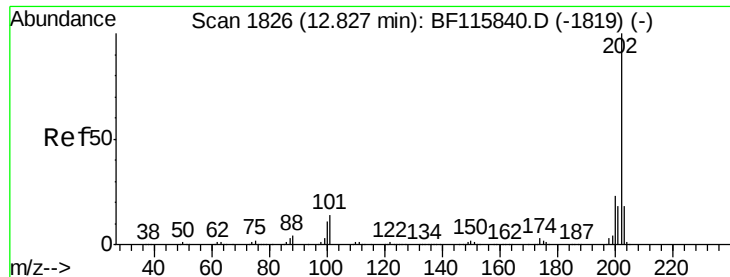


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

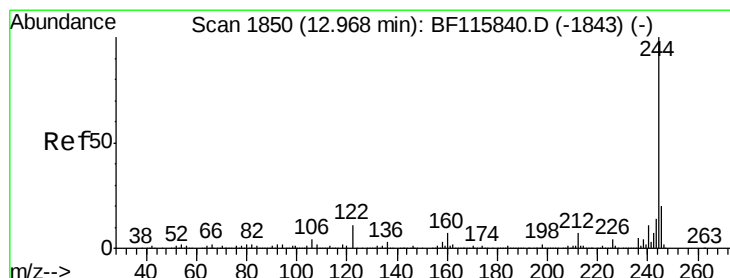
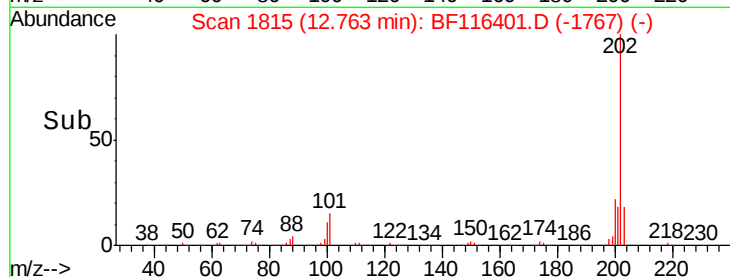
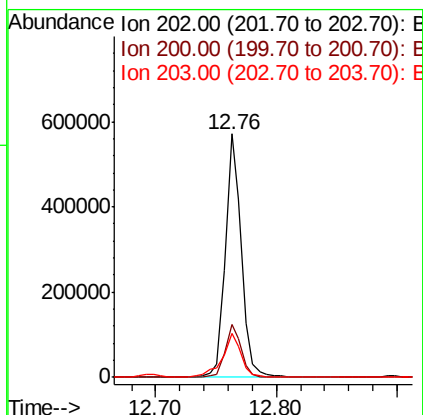
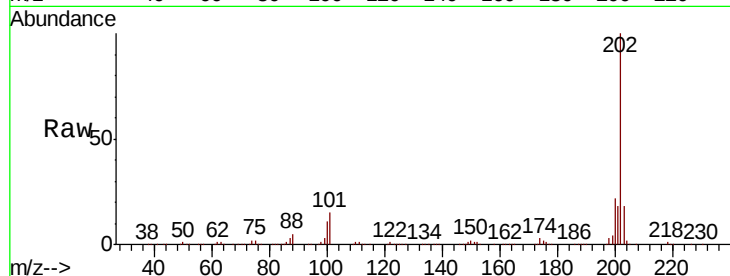




#78
 Pyrene
 Concen: 21.466 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.02 min
 Lab File: BF116401.D
 Acq: 19 Aug 2019 21:28

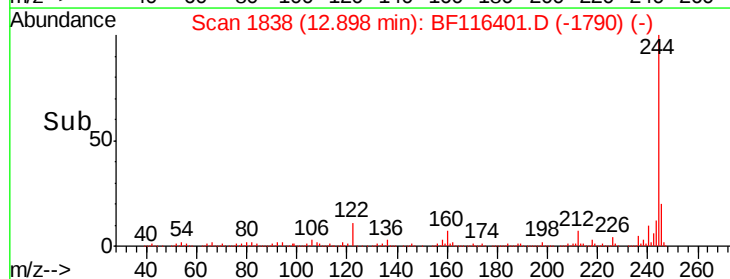
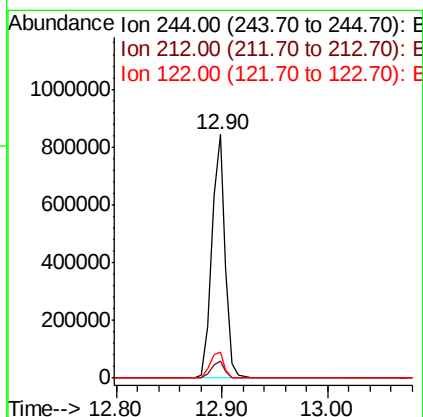
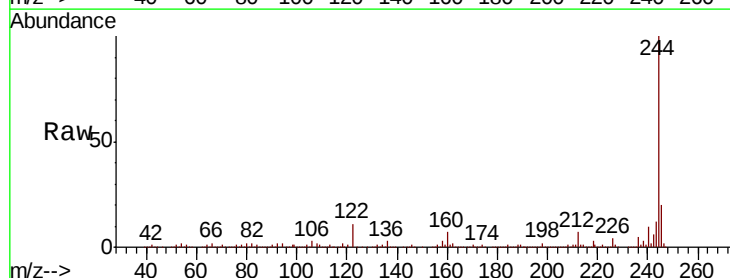
Instrument :
 BNA_F
 ClientSampleId :
 TP-22

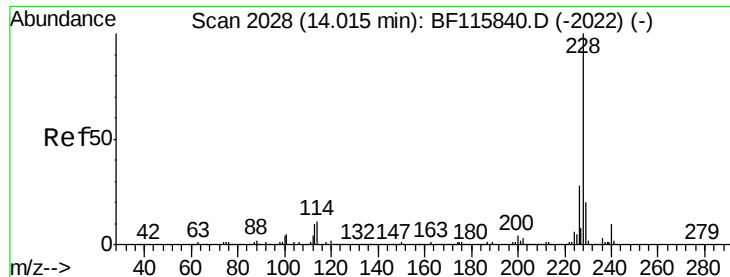
Tgt Ion: 202 Resp: 518831
 Ion Ratio Lower Upper
 202 100
 200 21.9 18.0 27.0
 203 17.9 14.1 21.1



#79
 Terphenyl-d14
 Concen: 49.145 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.02 min
 Lab File: BF116401.D
 Acq: 19 Aug 2019 21:28

Tgt Ion: 244 Resp: 747822
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 10.9 9.0 13.4





#81

Benzo(a)anthracene

Concen: 12.021 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF116401.D

Acq: 19 Aug 2019 21:28

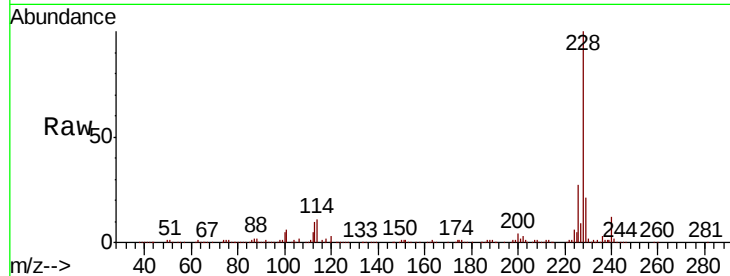
Instrument :

BNA_F

ClientSampleId :

TP-22

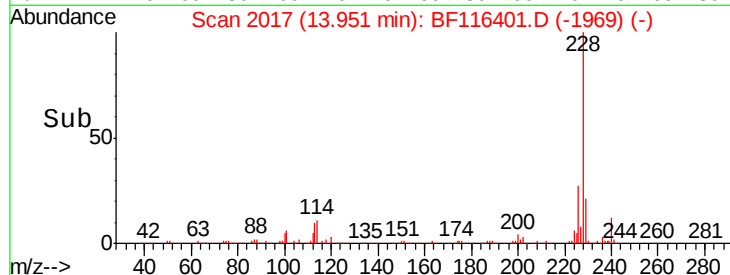
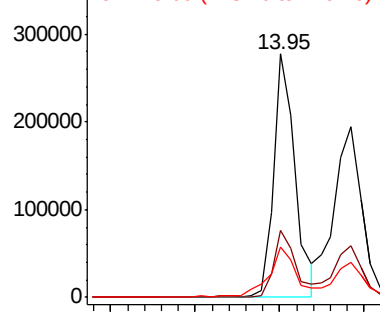
Tgt Ion:	228	Resp:	246367
Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.7	34.1
229	20.9	16.2	24.4



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: 11.369 ng

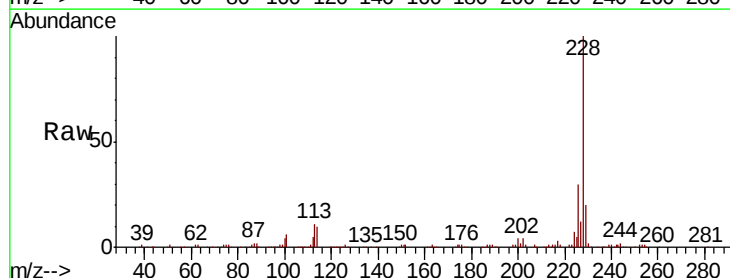
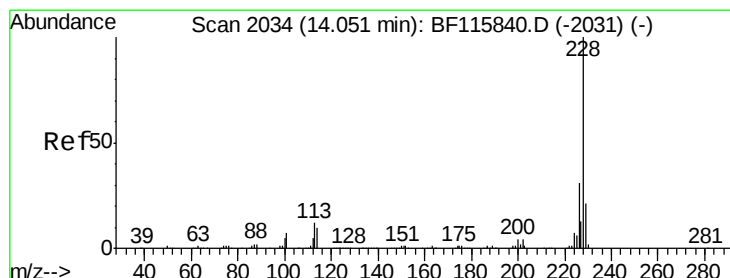
RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116401.D

Acq: 19 Aug 2019 21:28

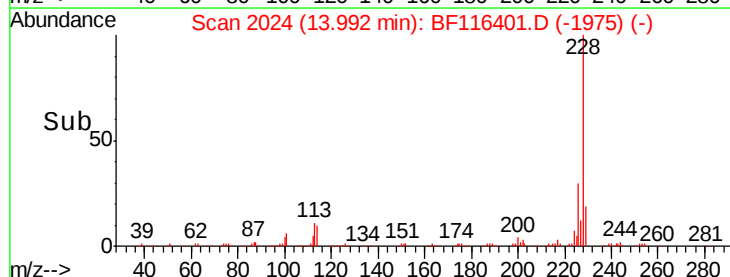
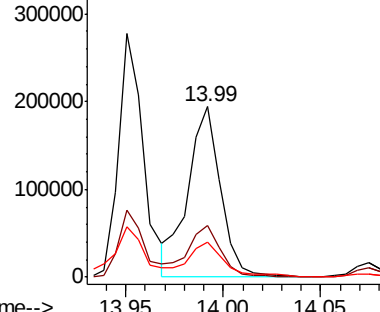
Tgt Ion:	228	Resp:	226209
Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.5	38.3
229	20.3	16.6	24.8

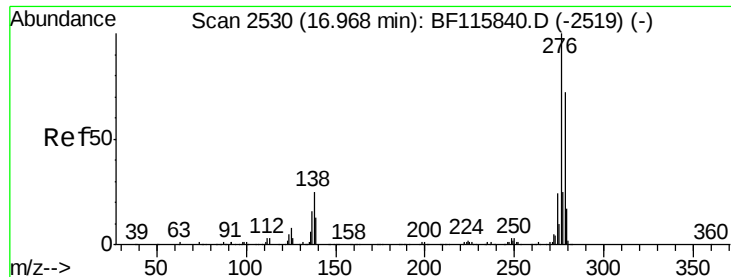


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

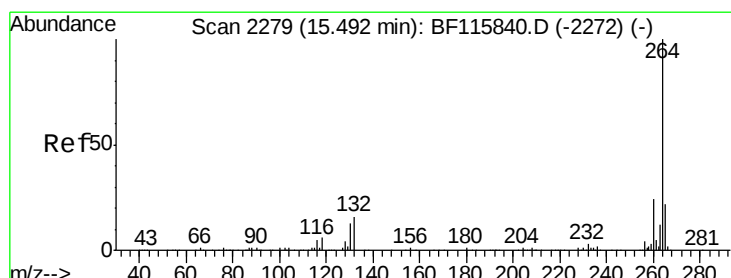
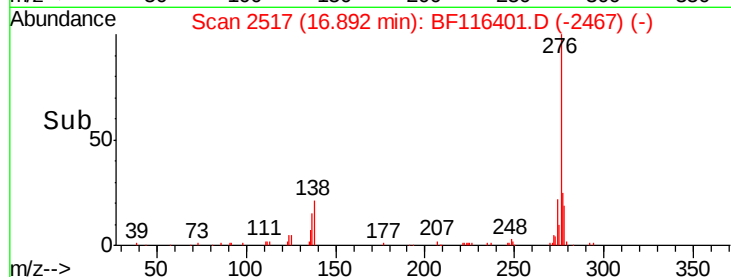
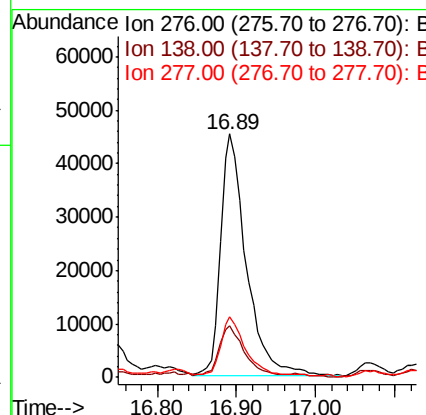
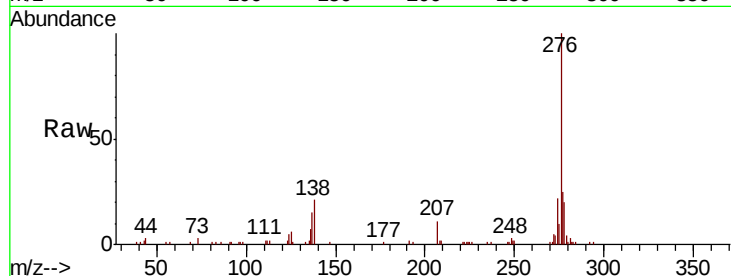




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.057 ng
 RT: 16.89 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BF116401.D
 Acq: 19 Aug 2019 21:28

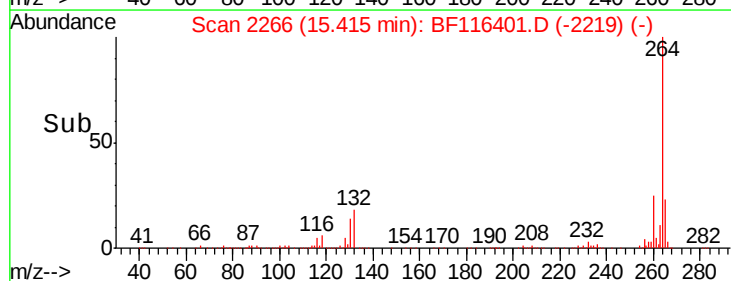
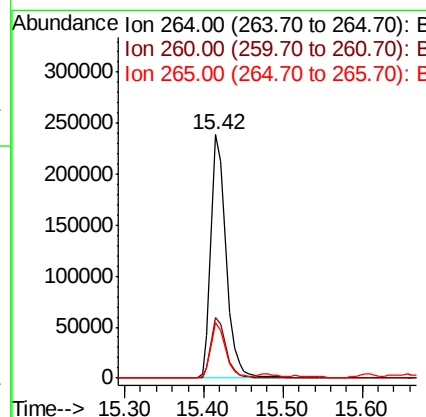
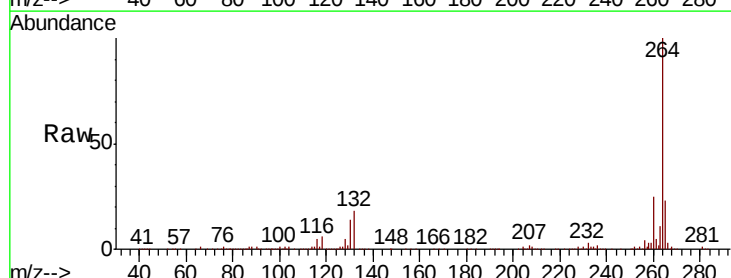
Instrument :
 BNA_F
 ClientSampleId :
 TP-22

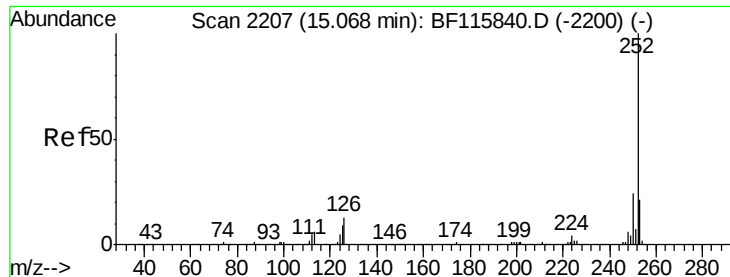
Tgt Ion:	276	Resp:	101211
Ion	Ratio	Lower	Upper
276	100		
138	20.5	20.4	30.6
277	22.4	20.0	30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.02 min
 Lab File: BF116401.D
 Acq: 19 Aug 2019 21:28

Tgt Ion:	264	Resp:	323810
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.7	29.5
265	22.8	17.4	26.0

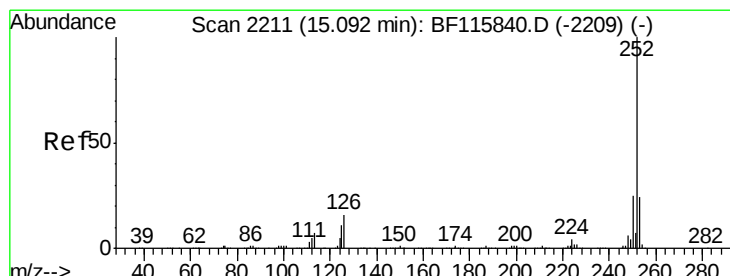
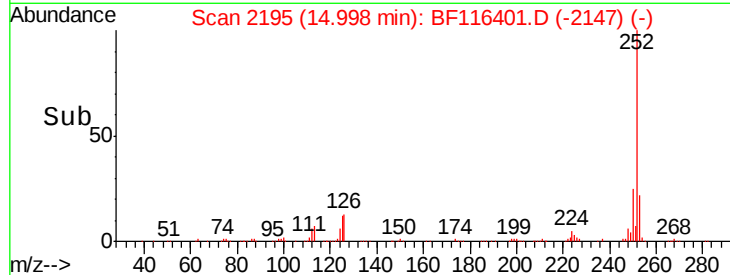
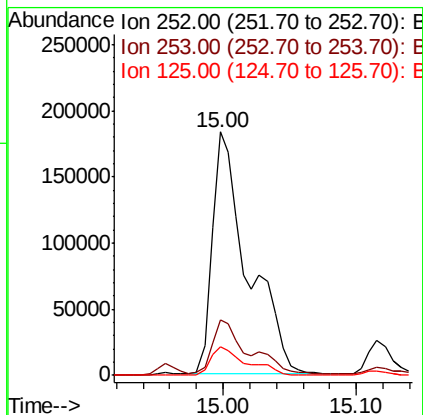
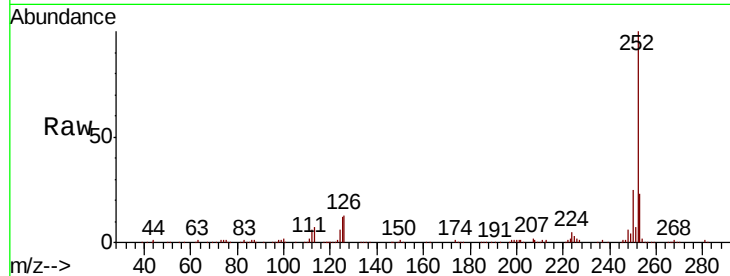




#88
Benzo(b)fluoranthene
Concen: 18.231 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF116401.D
Acq: 19 Aug 2019 21:28

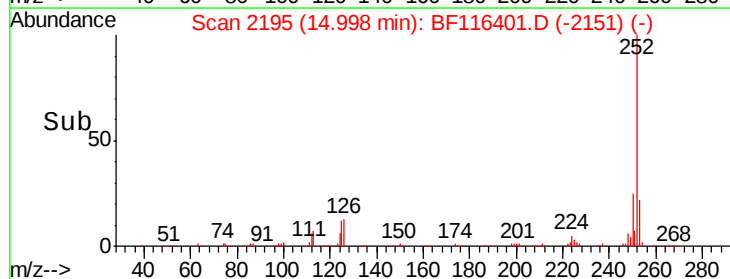
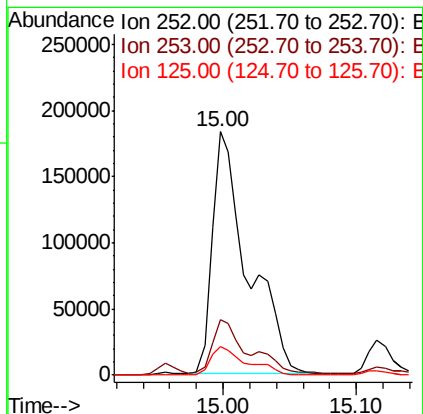
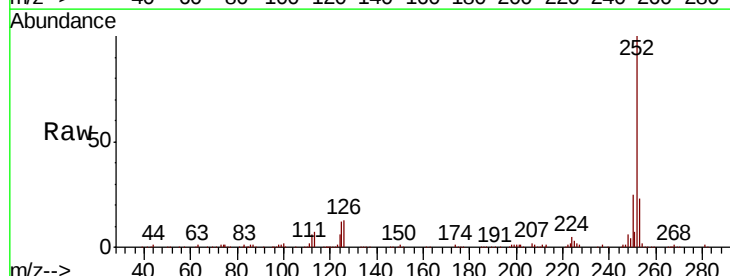
Instrument :
BNA_F
ClientSampleId :
TP-22

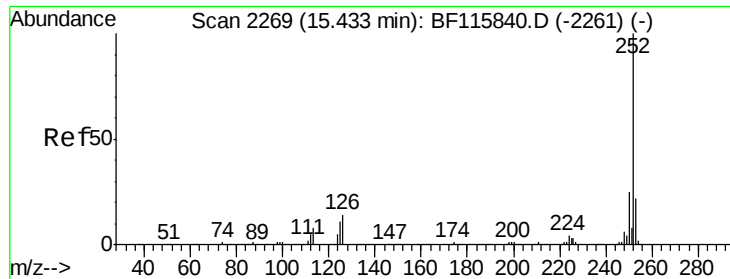
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	11.7	8.4	12.6



#89
Benzo(k)fluoranthene
Concen: 18.718 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.04 min
Lab File: BF116401.D
Acq: 19 Aug 2019 21:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	11.7	7.7	11.5#





#90

Benzo(a)pyrene

Concen: 11.054 ng

RT: 15.36 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BF116401.D

Acq: 19 Aug 2019 21:28

Instrument :

BNA_F

ClientSampleId :

TP-22

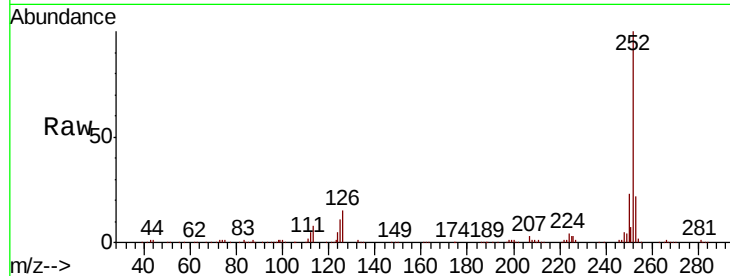
Tgt Ion:252 Resp: 185012

Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

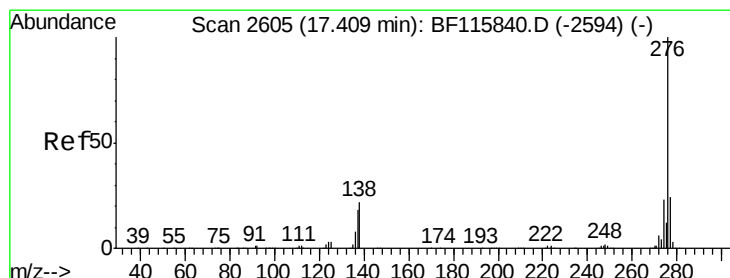
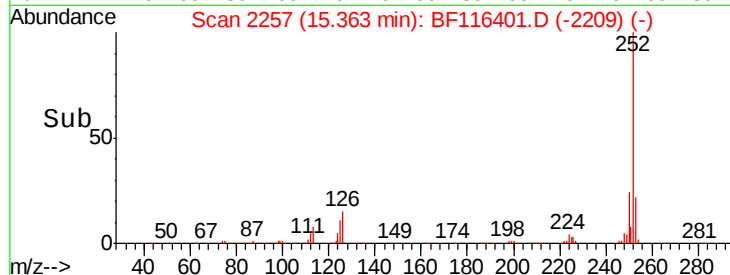
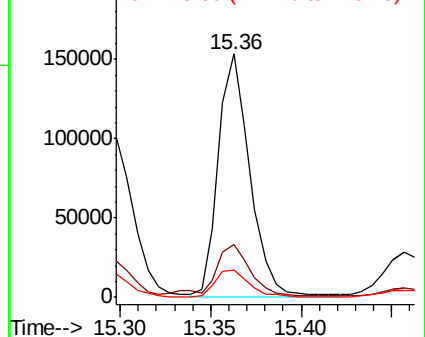
125 11.2 8.9 13.3



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: 6.679 ng

RT: 17.33 min Scan# 2591

Delta R.T. -0.01 min

Lab File: BF116401.D

Acq: 19 Aug 2019 21:28

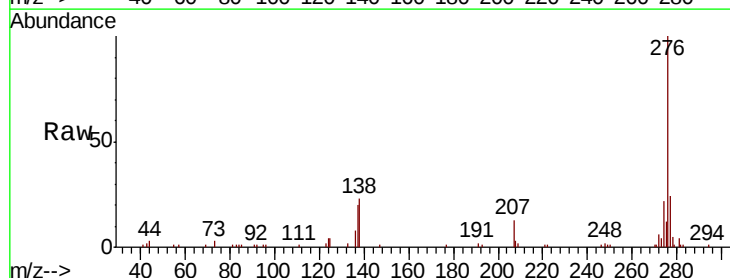
Tgt Ion:276 Resp: 95035

Ion Ratio Lower Upper

276 100

277 24.2 18.4 27.6

138 23.2 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

