

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081919\
 Data File : BF116402.D
 Acq On : 19 Aug 2019 21:55
 Operator : HP/JU
 Sample : K4277-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-20

Quant Time: Aug 20 01:43:38 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

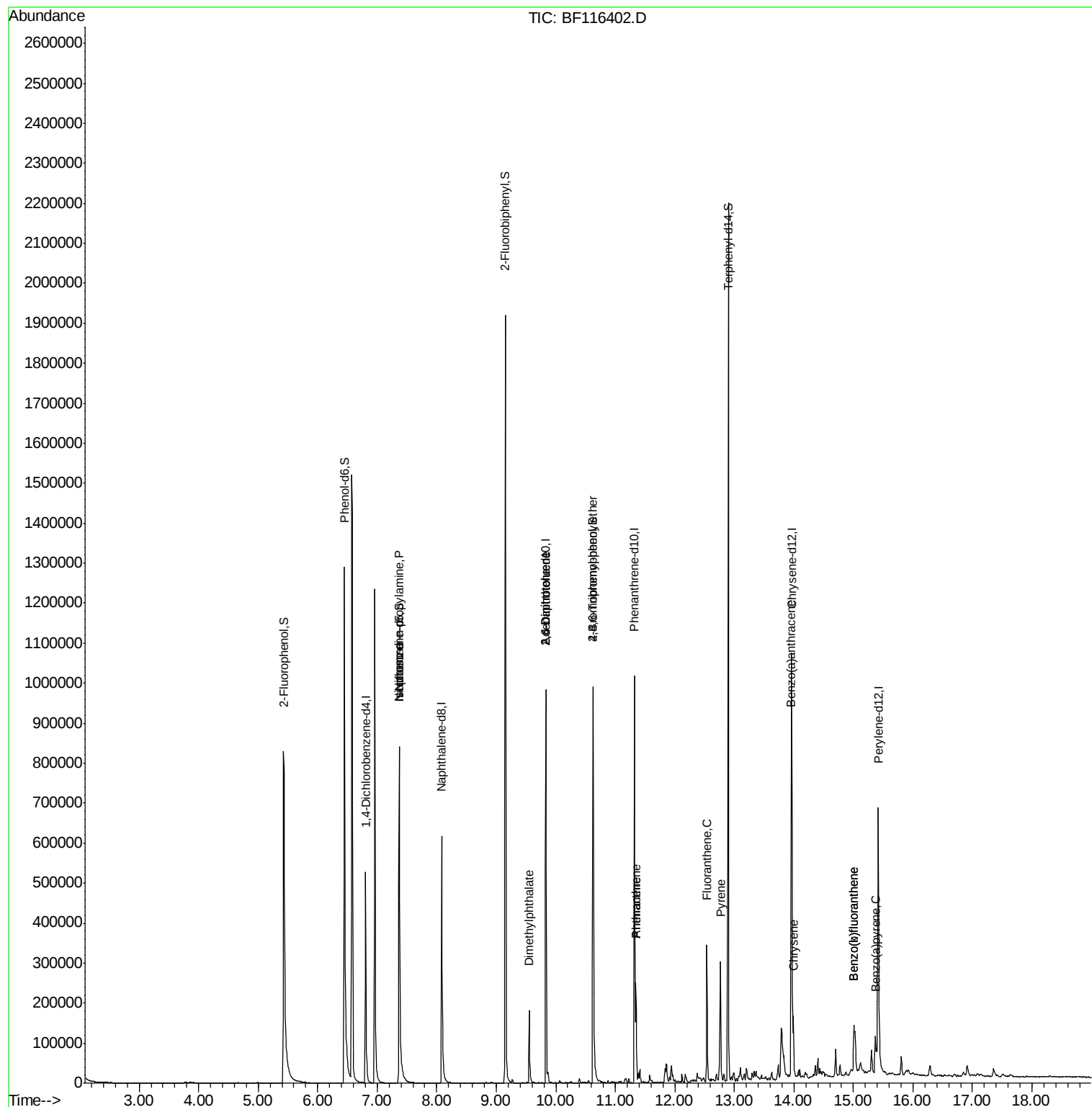
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	90042	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	356508	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	194016	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	365397	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	333534	20.00	ng	-0.02
87) Perylene-d12	15.42	264	341095	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	423545	78.75	ng	-0.01
7) Phenol-d6	6.45	99	590723	87.05	ng	-0.02
23) Nitrobenzene-d5	7.37	82	358560	58.06	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	154153	81.95	ng	-0.02
45) 2-Fluorobiphenyl	9.15	172	597880	57.72	ng	-0.02
79) Terphenyl-d14	12.90	244	712408	45.01	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	45618	10.848	ng	Qvalue # 79
25) Isophorone	7.37	82	358560	30.361	ng	# 65
50) Dimethylphthalate	9.55	163	89670	6.788	ng	99
51) 2,6-Dinitrotoluene	9.83	165	24781	8.632	ng	# 28
57) 2,4-Dinitrotoluene	9.83	165	24781	6.483	ng	# 20
67) 4-Bromophenyl-phenylether	10.63	248	9537	2.438	ng	# 1
71) Phenanthrene	11.35	178	104832	5.612	ng	97
72) Anthracene	11.35	178	104832	5.545	ng	97
75) Fluoranthene	12.54	202	145152	7.422	ng	100
78) Pyrene	12.77	202	129472	5.150	ng	98
81) Benzo(a)anthracene	13.95	228	61534	2.886	ng	97
83) Chrysene	13.99	228	64208	3.102	ng	99
88) Benzo(b)fluoranthene	15.01	252	84146	4.266	ng	97
89) Benzo(k)fluoranthene	15.01	252	84146	4.380	ng	# 97
90) Benzo(a)pyrene	15.37	252	44421	2.520	ng	99

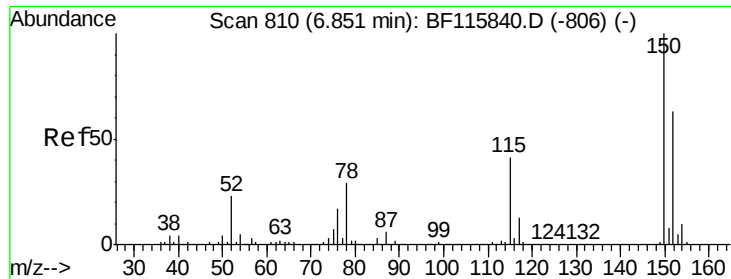
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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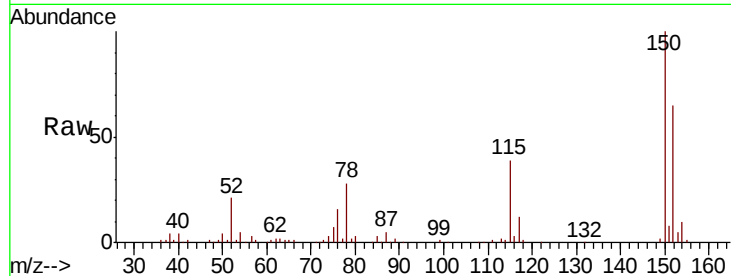




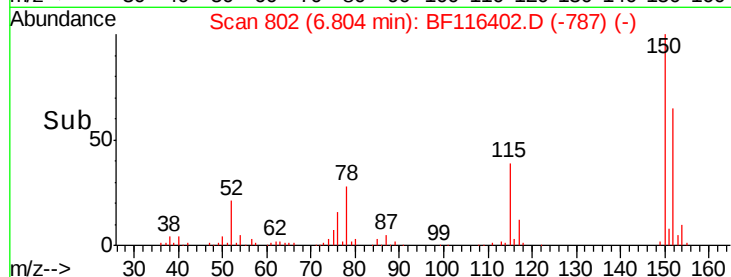
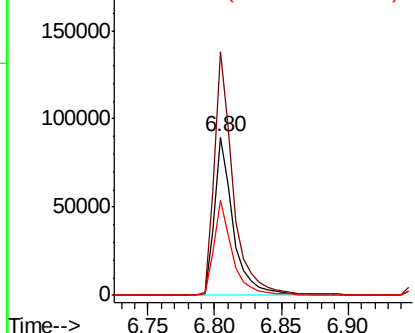
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF116402.D
 Acq: 19 Aug 2019 21:55

Instrument :
 BNA_F
 ClientSampleId :
 TP-20

Tgt Ion:152 Resp: 90042
 Ion Ratio Lower Upper
 152 100
 150 153.6 126.2 189.2
 115 60.0 49.9 74.9

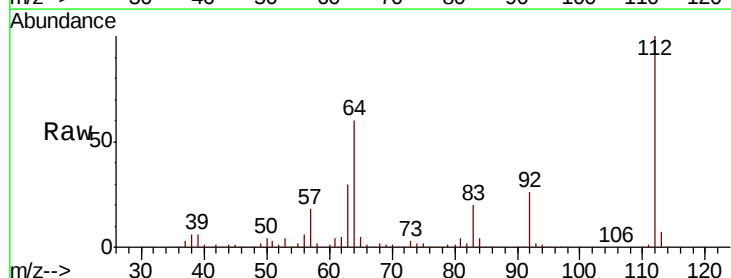


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

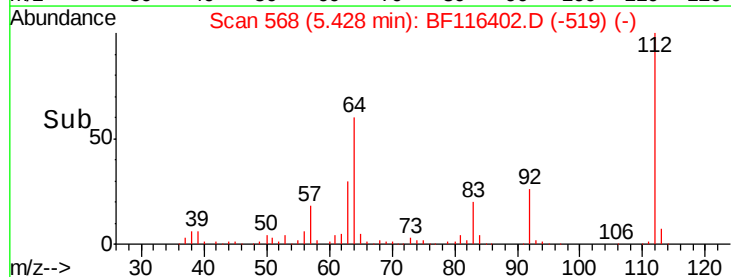
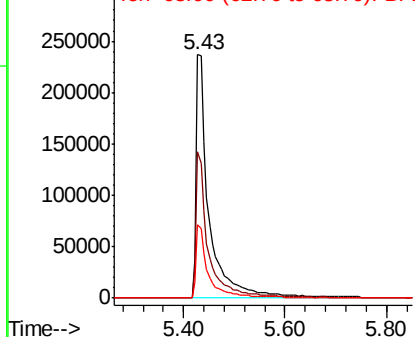


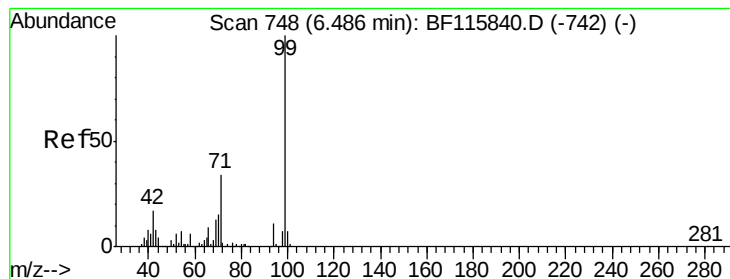
#5
 2-Fluorophenol
 Concen: 78.746 ng
 RT: 5.43 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF116402.D
 Acq: 19 Aug 2019 21:55

Tgt Ion:112 Resp: 423545
 Ion Ratio Lower Upper
 112 100
 64 60.0 45.4 68.2
 63 30.3 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: 87.049 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF116402.D

Acq: 19 Aug 2019 21:55

Instrument :

BNA_F

ClientSampleId :

TP-20

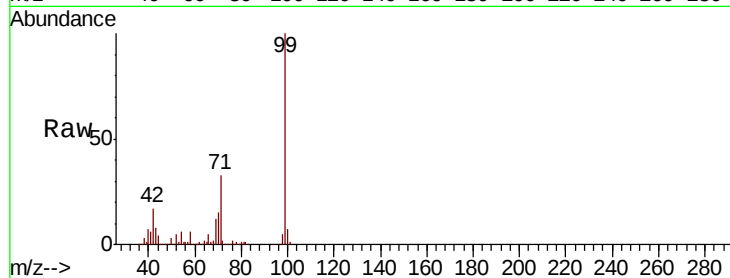
Tgt Ion: 99 Resp: 590723

Ion Ratio Lower Upper

99 100

42 16.9 13.8 20.8

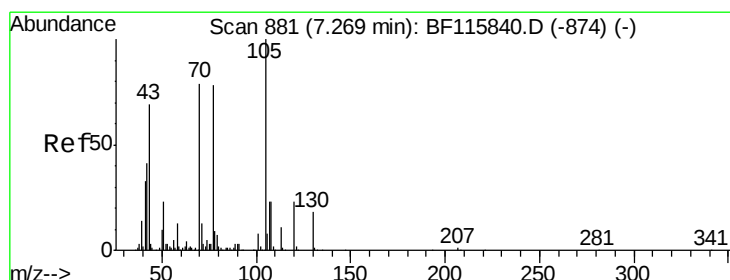
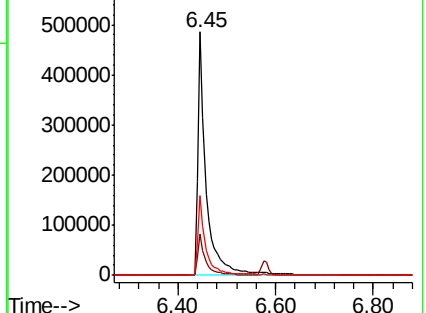
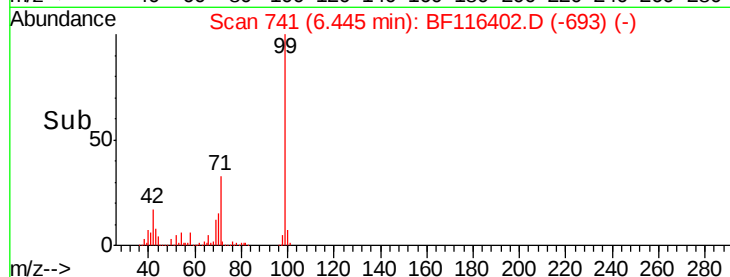
71 32.6 27.3 40.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.848 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF116402.D

Acq: 19 Aug 2019 21:55

Tgt Ion: 70 Resp: 45618

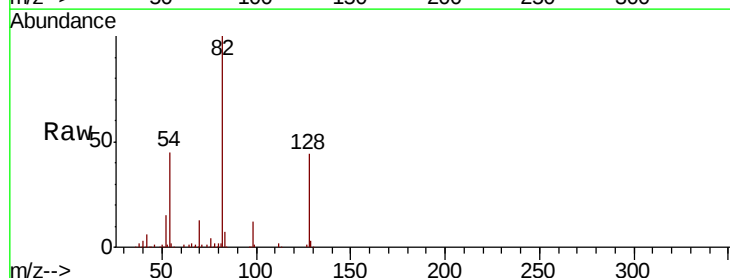
Ion Ratio Lower Upper

70 100

42 42.6 40.9 61.3

101 0.0 7.9 11.9#

130 2.3 16.9 25.3#

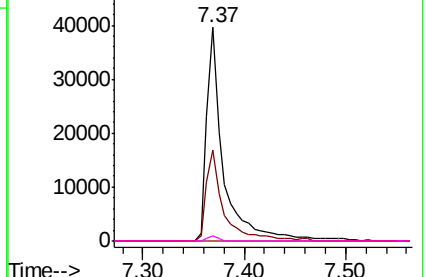
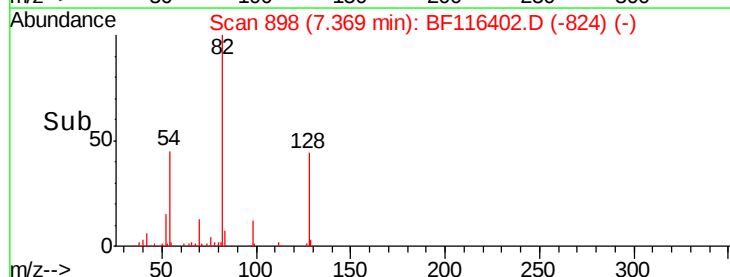


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

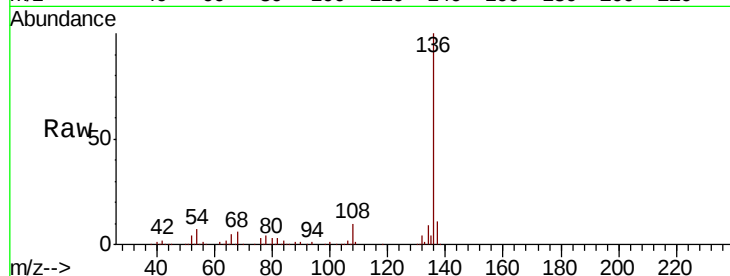




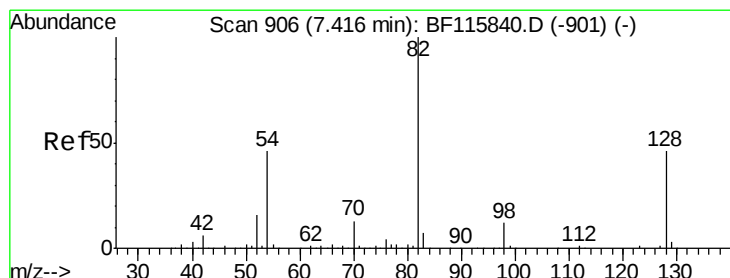
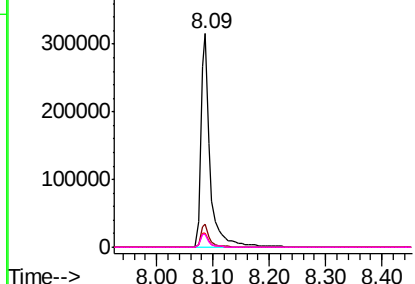
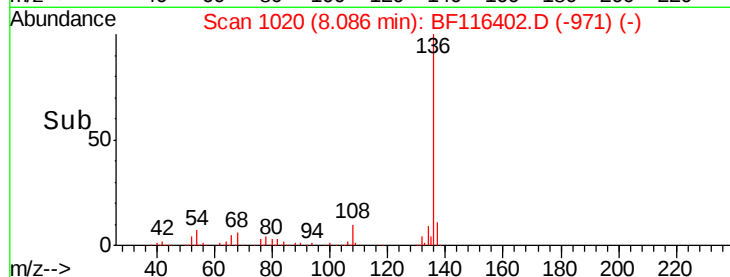
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF116402.D
Acq: 19 Aug 2019 21:55

Instrument :
BNA_F
ClientSampleId :
TP-20

Tgt Ion:	136	Resp:	356508
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.6	5.8	8.6
68	5.8	5.2	7.8

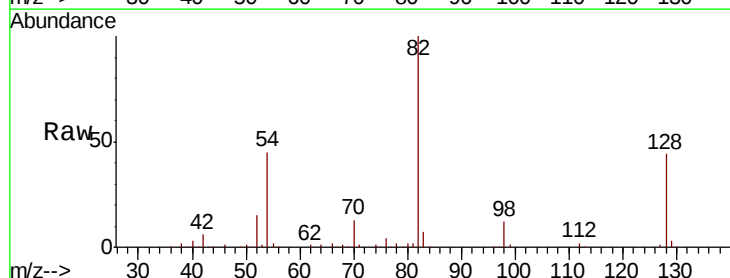


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

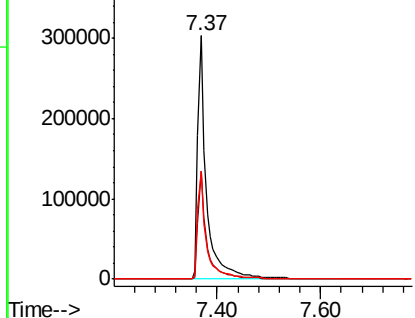
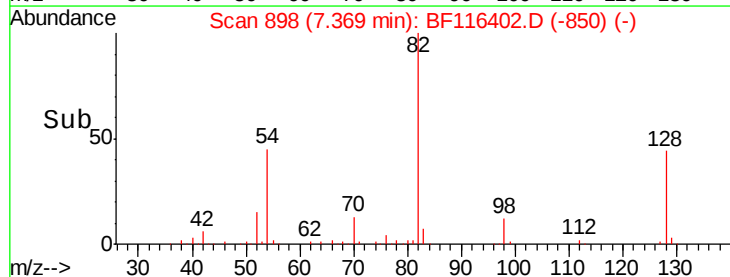


#23
Nitrobenzene-d5
Concen: 58.055 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF116402.D
Acq: 19 Aug 2019 21:55

Tgt Ion:	82	Resp:	358560
Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.5	54.7
54	44.5	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: 30.361 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF116402.D

Acq: 19 Aug 2019 21:55

Instrument :

BNA_F

ClientSampleId :

TP-20

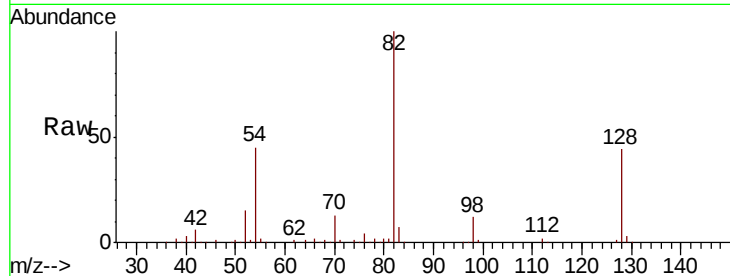
Tgt Ion: 82 Resp: 358560

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

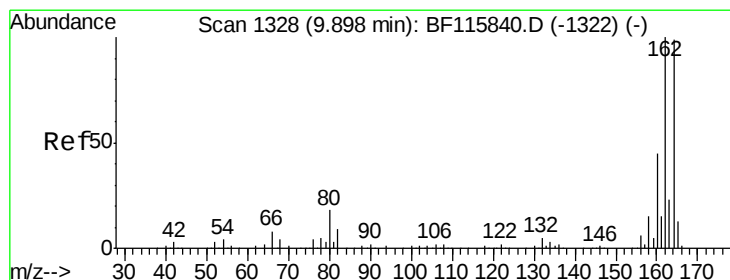
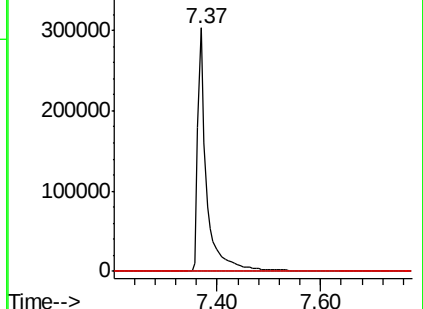
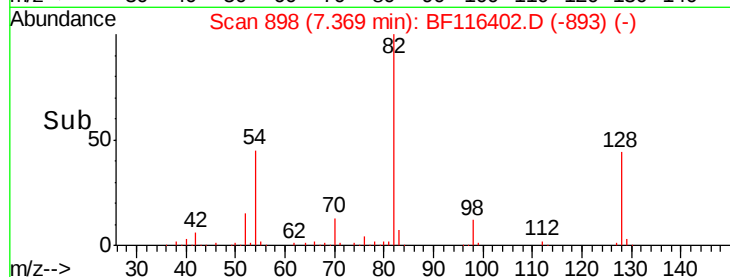
138 0.0 14.5 21.7#



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: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF116402.D

Acq: 19 Aug 2019 21:55

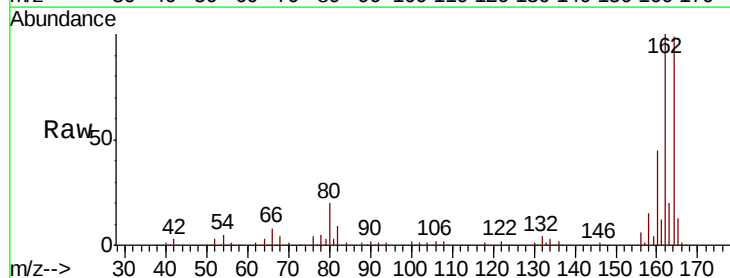
Tgt Ion: 164 Resp: 194016

Ion Ratio Lower Upper

164 100

162 100.9 82.6 124.0

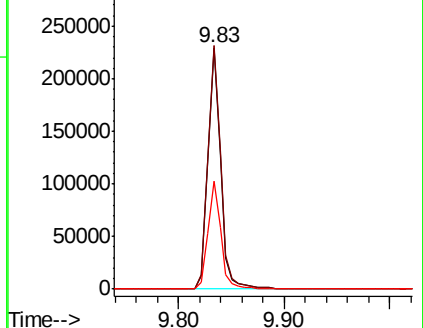
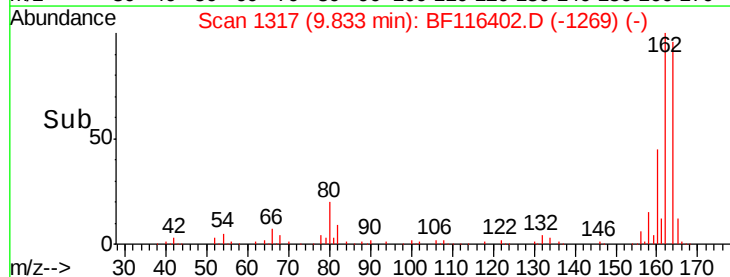
160 45.0 37.6 56.4



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

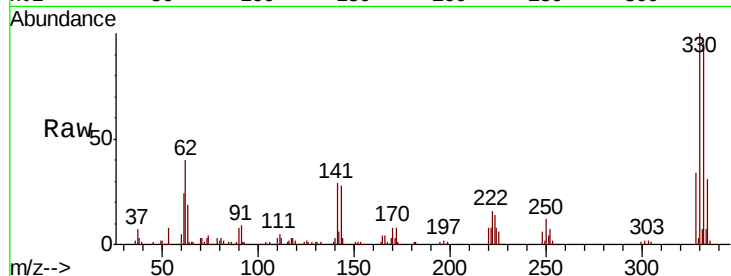




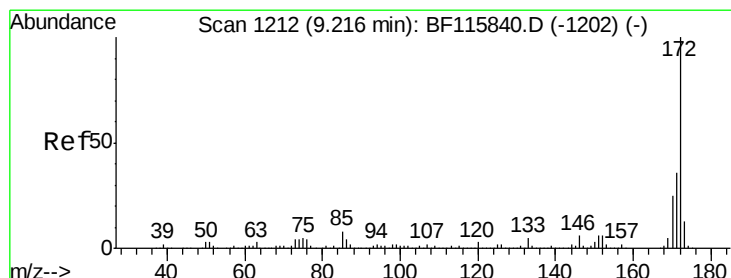
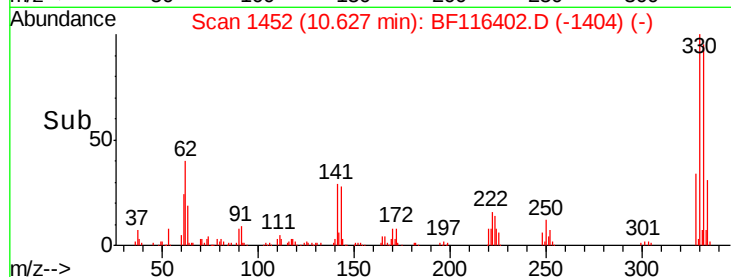
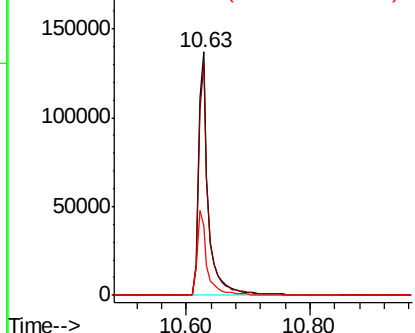
#42
 2,4,6-Tribromophenol
 Concen: 81.951 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BF116402.D
 Acq: 19 Aug 2019 21:55

Instrument :
 BNA_F
 ClientSampleId :
 TP-20

Tgt Ion:330 Resp: 154153
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.8 115.2
 141 34.3 26.3 39.5

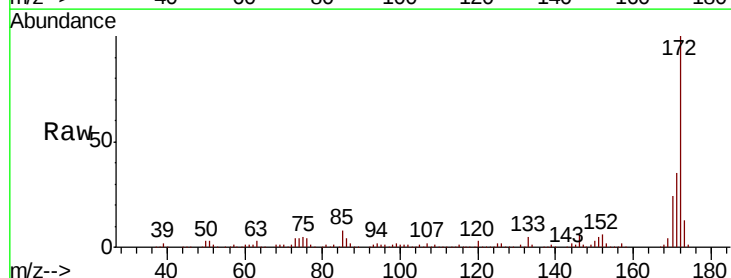


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

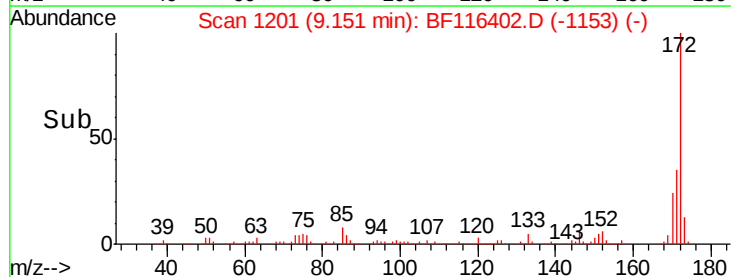
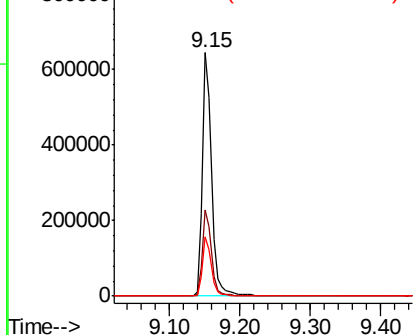


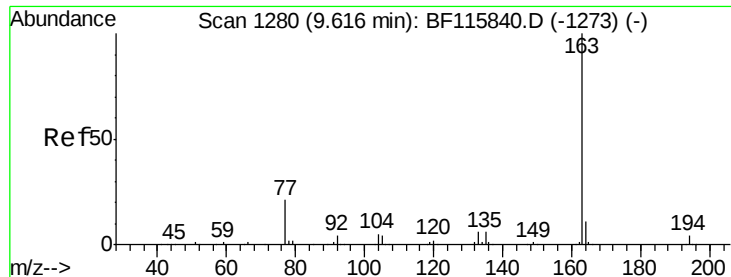
#45
 2-Fluorobiphenyl
 Concen: 57.721 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.02 min
 Lab File: BF116402.D
 Acq: 19 Aug 2019 21:55

Tgt Ion:172 Resp: 597880
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 24.4 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

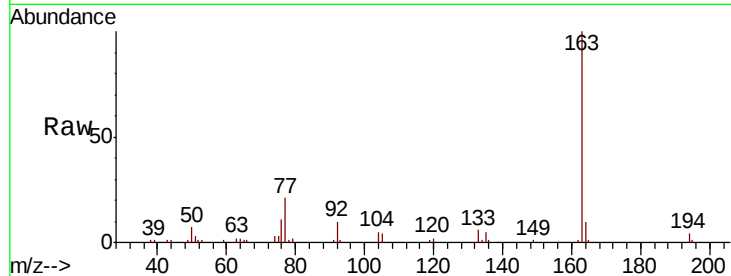




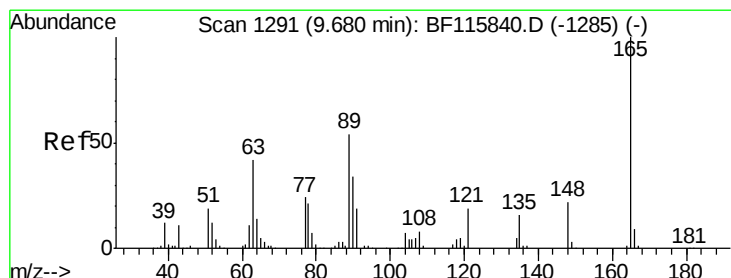
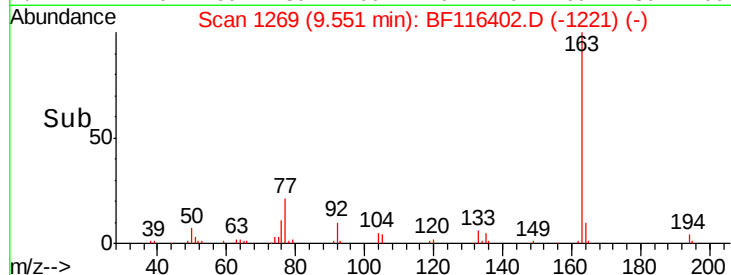
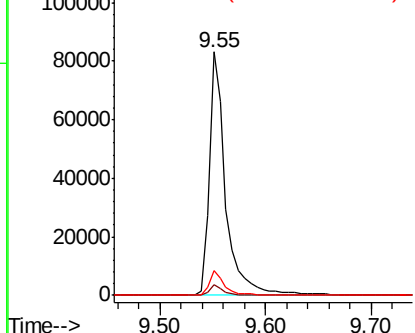
#50
Dimethylphthalate
Concen: 6.788 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF116402.D
Acq: 19 Aug 2019 21:55

Instrument :
BNA_F
ClientSampled :
TP-20

Tgt Ion:163 Resp: 89670
Ion Ratio Lower Upper
163 100
194 4.3 3.0 4.6
164 10.2 8.4 12.6

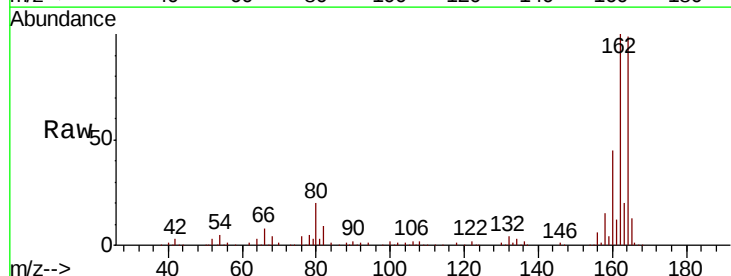


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

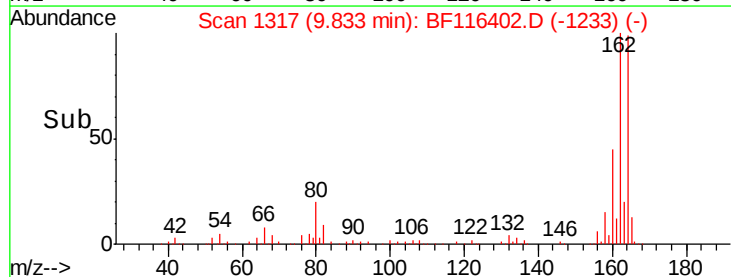
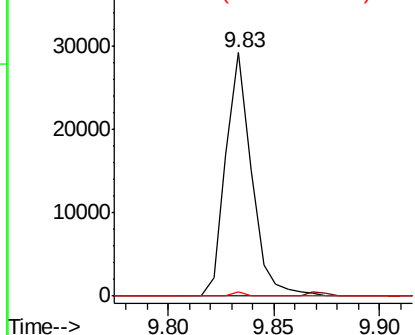


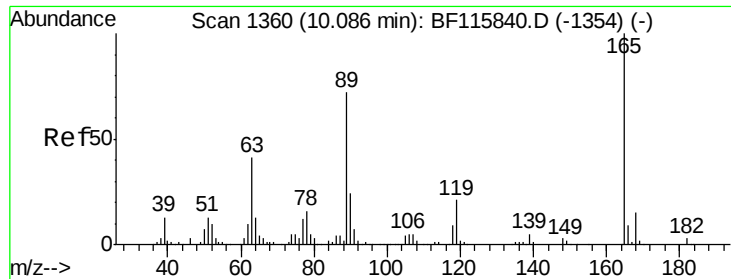
#51
2,6-Dinitrotoluene
Concen: 8.632 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.19 min
Lab File: BF116402.D
Acq: 19 Aug 2019 21:55

Tgt Ion:165 Resp: 24781
Ion Ratio Lower Upper
165 100
63 0.0 38.2 57.2#
89 1.8 42.9 64.3#



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

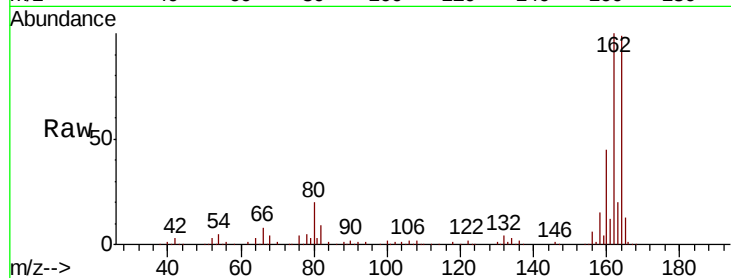




#57
 2,4-Dinitrotoluene
 Concen: 6.483 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.22 min
 Lab File: BF116402.D
 Acq: 19 Aug 2019 21:55

Instrument :
 BNA_F
 ClientSampleId :
 TP-20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.6	59.4#
89	1.8	62.2	93.2#
182	0.0	2.1	3.1#

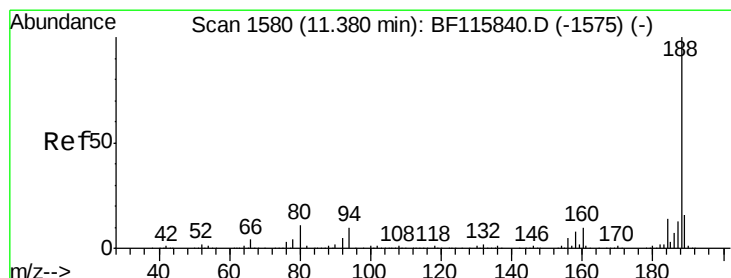
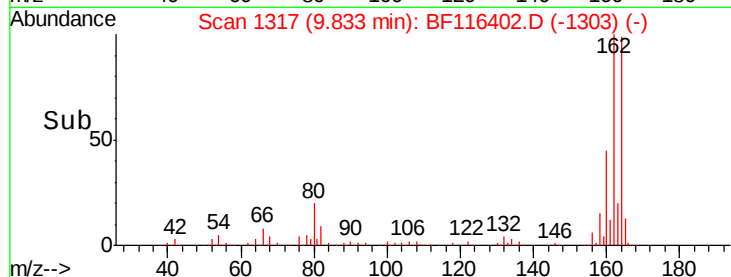
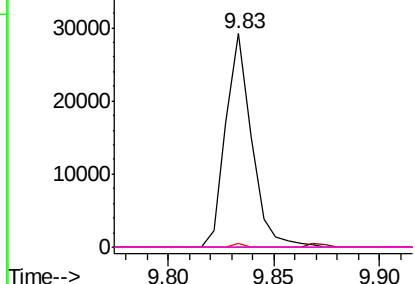


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

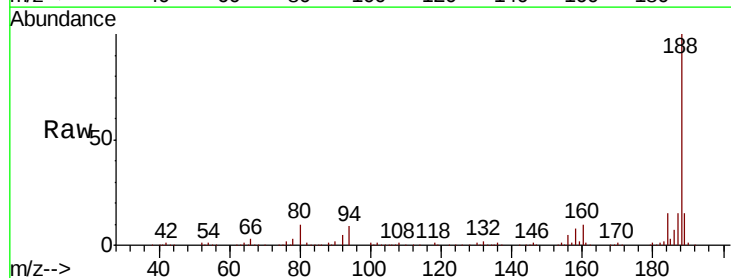
Ion 89.00 (88.70 to 89.70): BF1

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: BF116402.D
 Acq: 19 Aug 2019 21:55

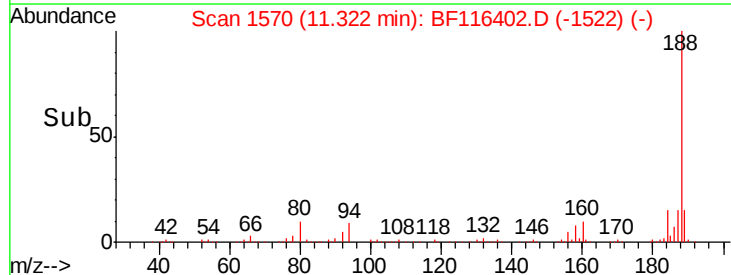
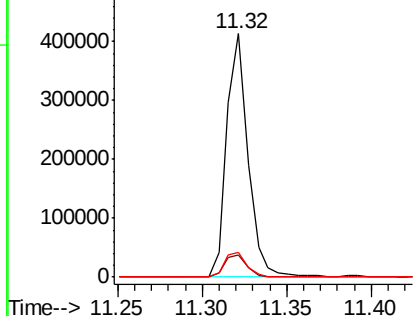
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.1	12.1
80	9.9	8.7	13.1

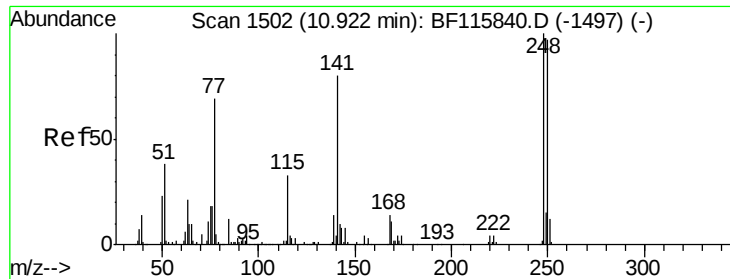


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

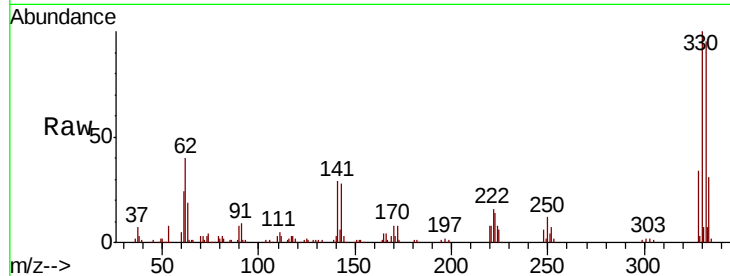




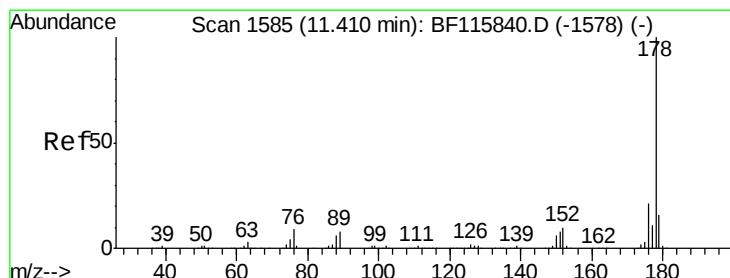
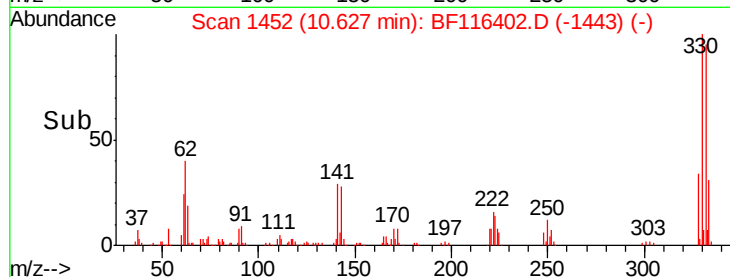
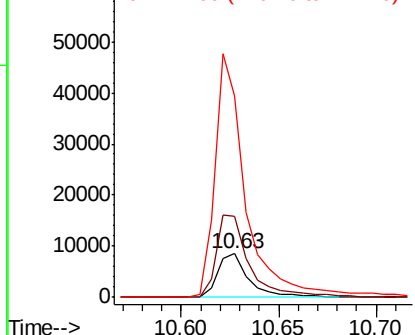
#67
 4-Bromophenyl-phenylether
 Concen: 2.438 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF116402.D
 Acq: 19 Aug 2019 21:55

Instrument :
 BNA_F
 ClientSampleId :
 TP-20

Tgt Ion: 248 Resp: 9537
 Ion Ratio Lower Upper
 248 100
 250 187.4 77.4 116.2#
 141 463.3 56.8 85.2#

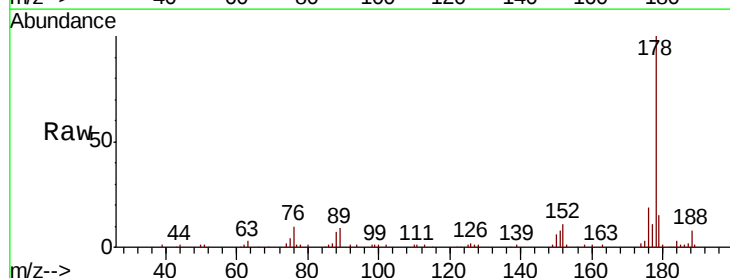


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

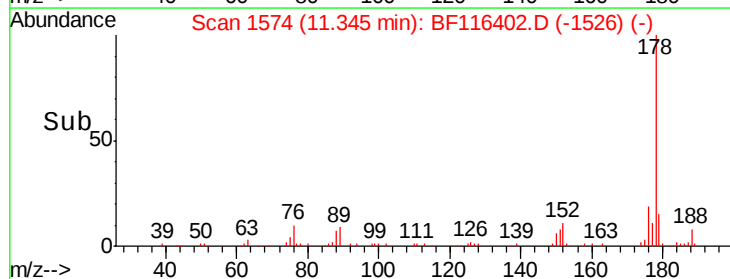
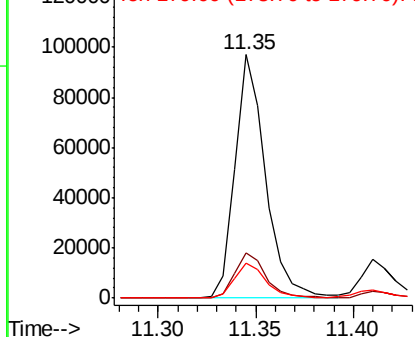


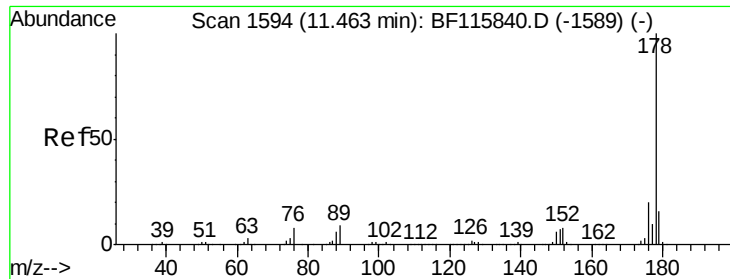
#71
 Phenanthrene
 Concen: 5.612 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: BF116402.D
 Acq: 19 Aug 2019 21:55

Tgt Ion: 178 Resp: 104832
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.6 24.8
 179 14.6 12.5 18.7



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

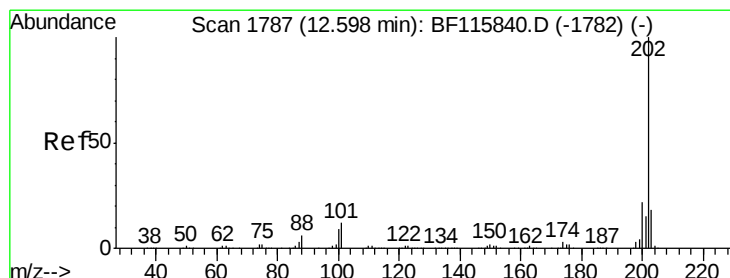
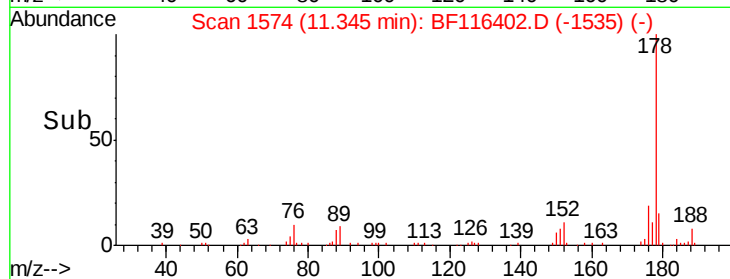
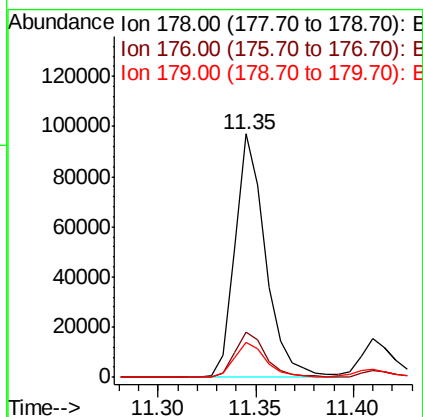
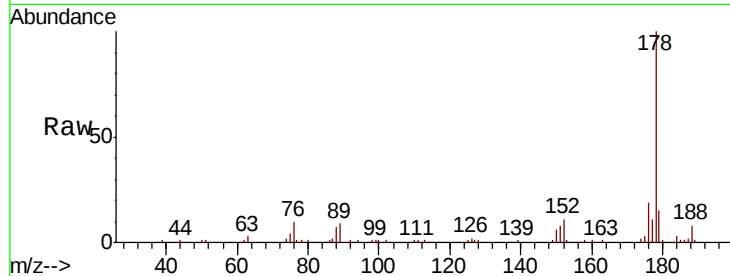




#72
 Anthracene
 Concen: 5.545 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.07 min
 Lab File: BF116402.D
 Acq: 19 Aug 2019 21:55

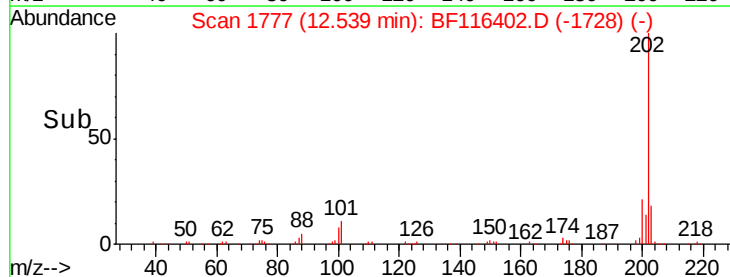
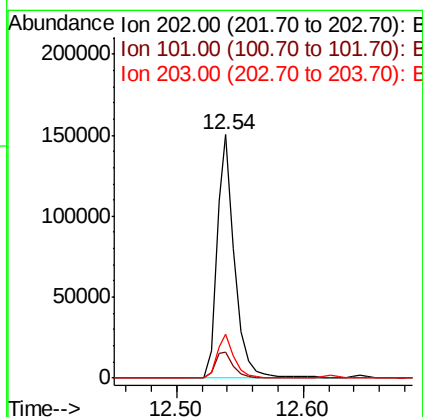
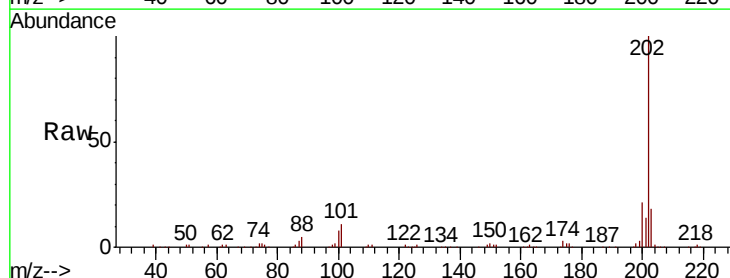
Instrument :
 BNA_F
 ClientSampleId :
 TP-20

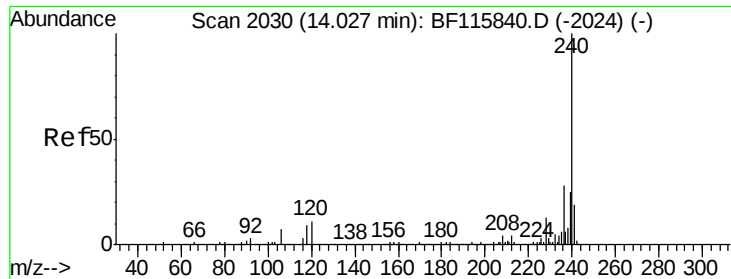
Tgt Ion:178 Resp: 104832
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.7 23.5
 179 14.6 13.0 19.6



#75
 Fluoranthene
 Concen: 7.422 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BF116402.D
 Acq: 19 Aug 2019 21:55

Tgt Ion:202 Resp: 145152
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 31.2
 203 17.8 0.0 37.8

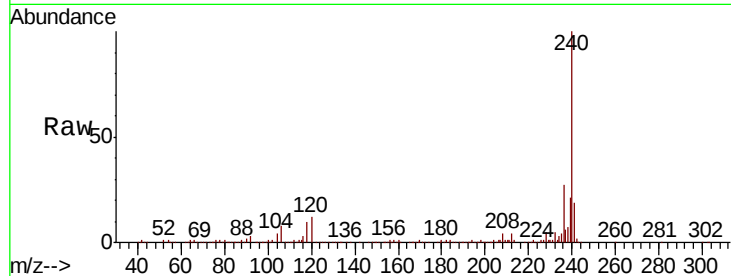




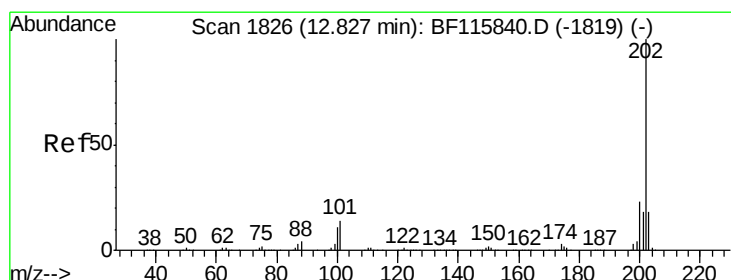
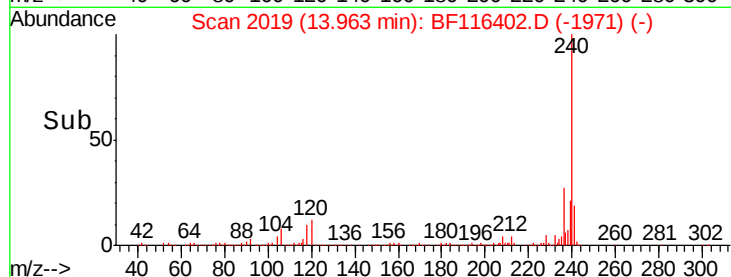
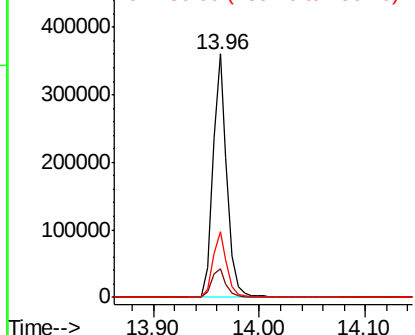
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.02 min
 Lab File: BF116402.D
 Acq: 19 Aug 2019 21:55

Instrument :
 BNA_F
 ClientSampleId :
 TP-20

Tgt Ion:240 Resp: 333534
 Ion Ratio Lower Upper
 240 100
 120 11.7 10.7 16.1
 236 27.0 22.2 33.2

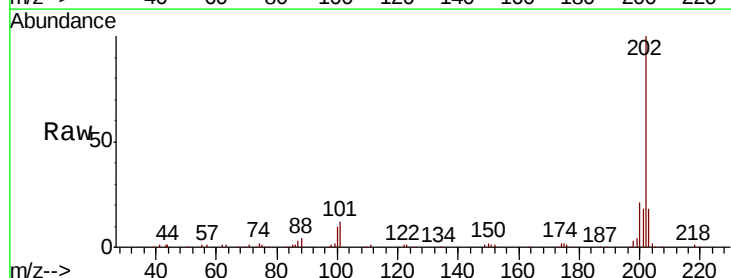


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

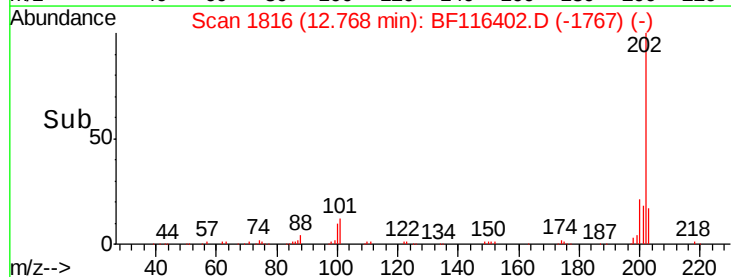
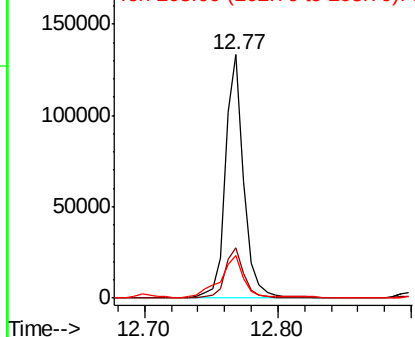


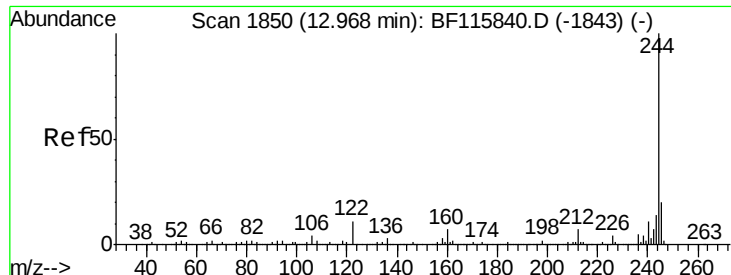
#78
 Pyrene
 Concen: 5.150 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BF116402.D
 Acq: 19 Aug 2019 21:55

Tgt Ion:202 Resp: 129472
 Ion Ratio Lower Upper
 202 100
 200 20.6 18.0 27.0
 203 17.7 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 45.008 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BF116402.D

Acq: 19 Aug 2019 21:55

Instrument :

BNA_F

ClientSampled :

TP-20

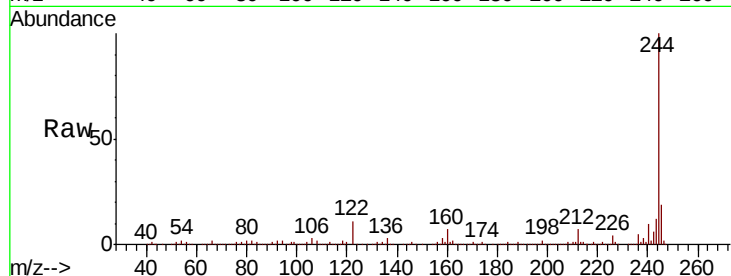
Tgt Ion:244 Resp: 712408

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

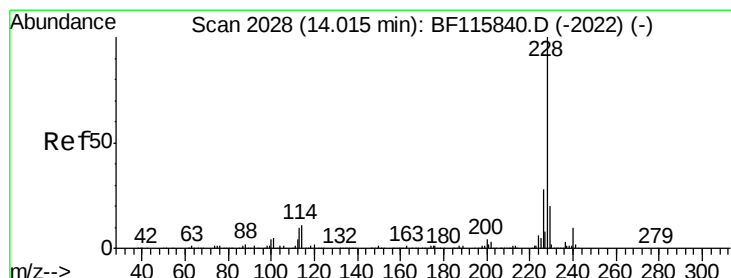
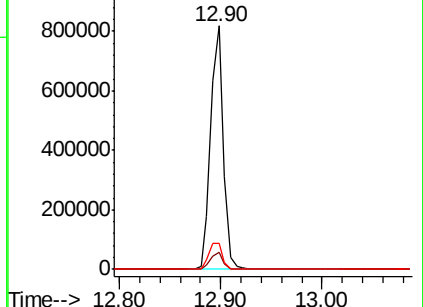
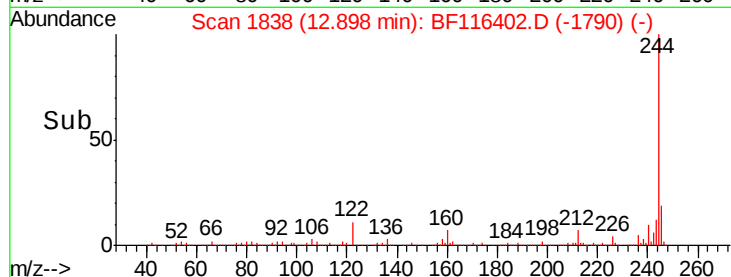
122 10.9 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 2.886 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF116402.D

Acq: 19 Aug 2019 21:55

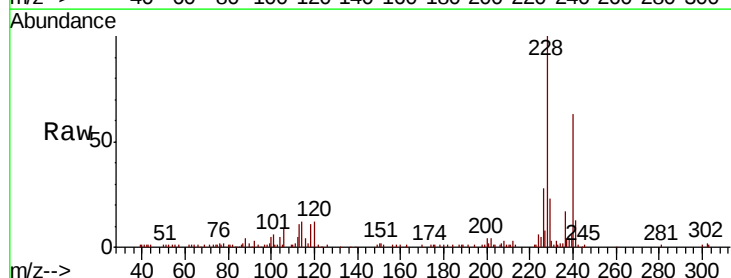
Tgt Ion:228 Resp: 61534

Ion Ratio Lower Upper

228 100

226 27.6 22.7 34.1

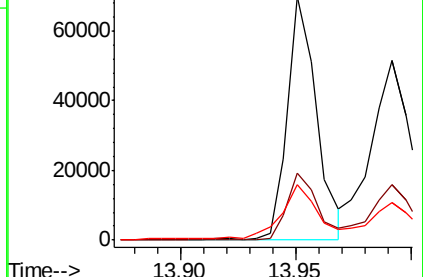
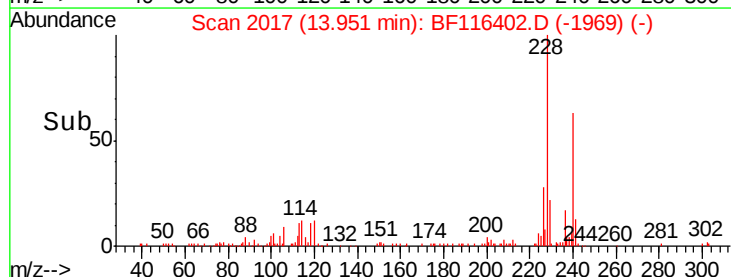
229 22.9 16.2 24.4

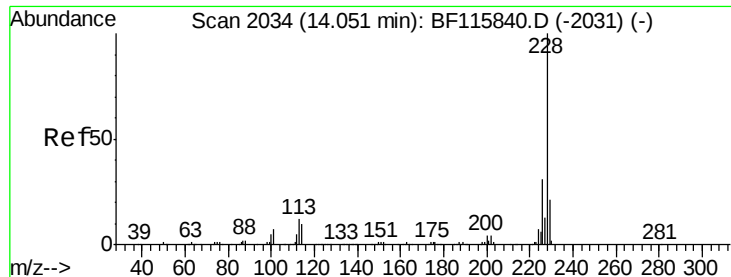


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.102 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116402.D

Acq: 19 Aug 2019 21:55

Instrument :

BNA_F

ClientSampleId :

TP-20

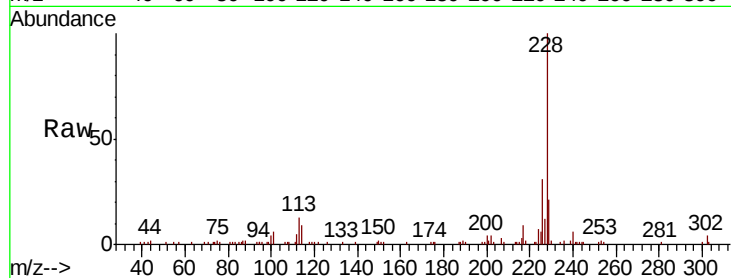
Tgt Ion:228 Resp: 64208

Ion Ratio Lower Upper

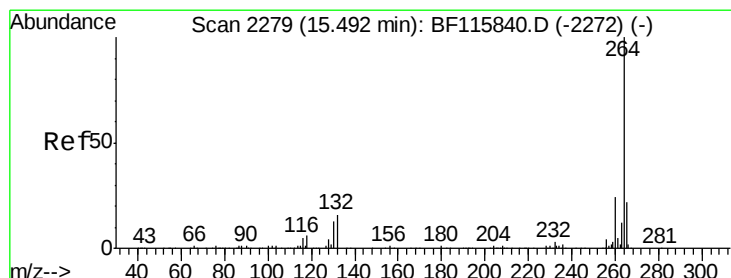
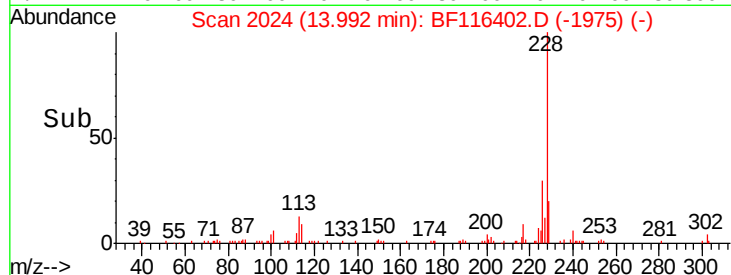
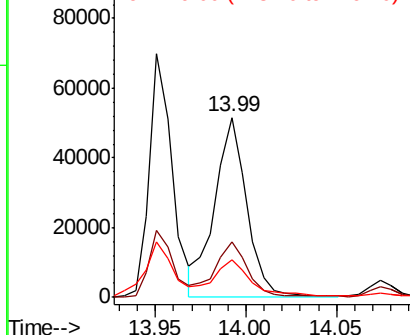
228 100

226 31.0 25.5 38.3

229 20.7 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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.02 min

Lab File: BF116402.D

Acq: 19 Aug 2019 21:55

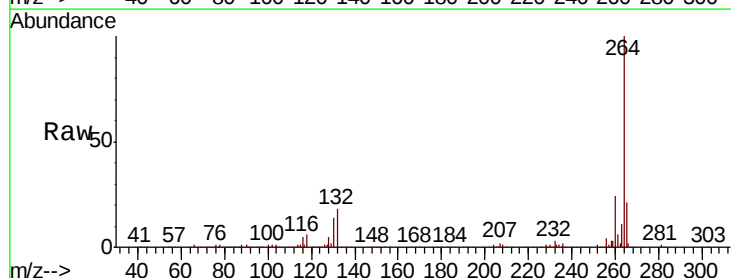
Tgt Ion:264 Resp: 341095

Ion Ratio Lower Upper

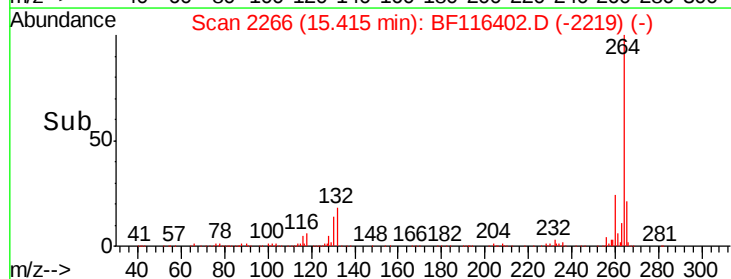
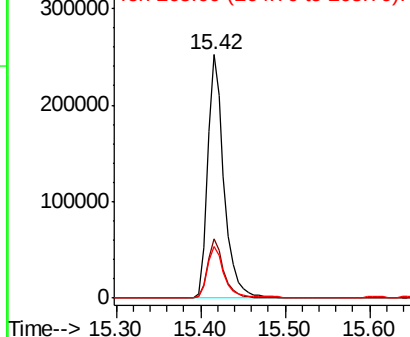
264 100

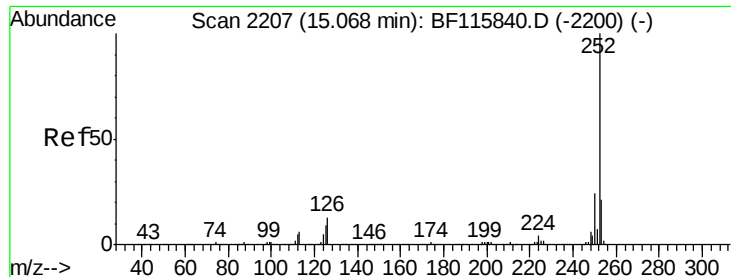
260 24.4 19.7 29.5

265 21.1 17.4 26.0



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

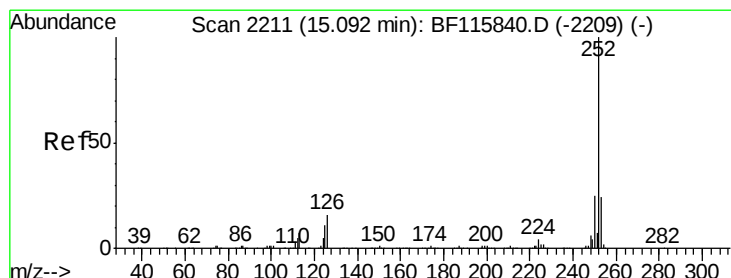
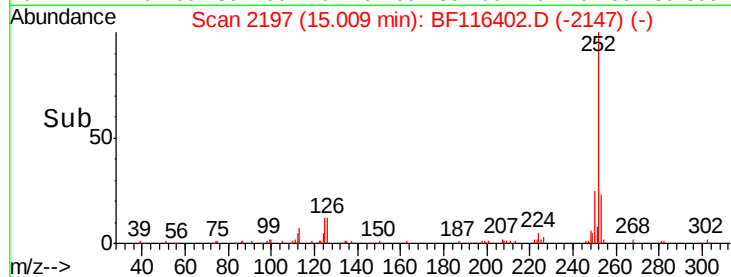
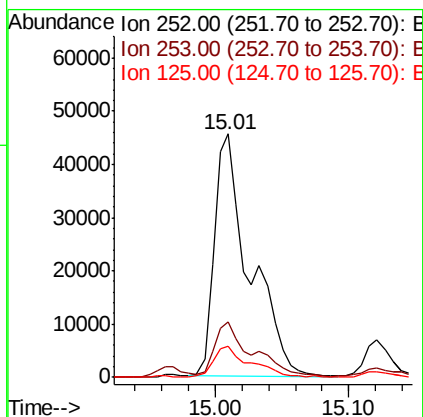
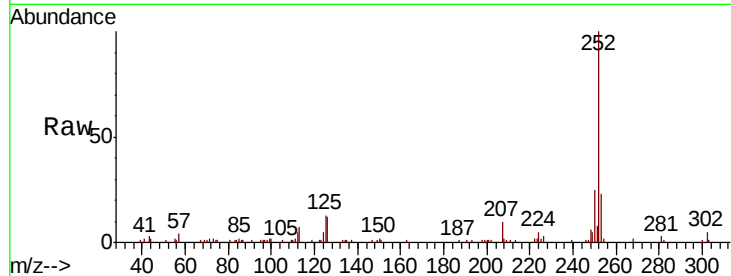




#88
Benzo(b)fluoranthene
Concen: 4.266 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF116402.D
Acq: 19 Aug 2019 21:55

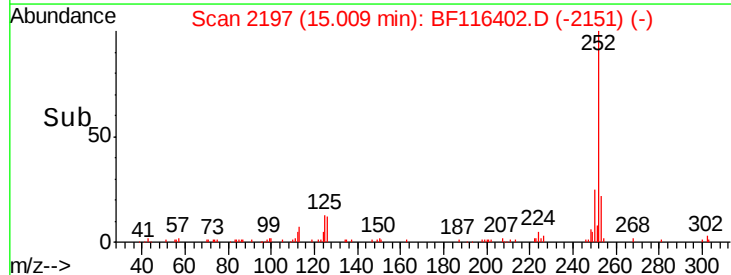
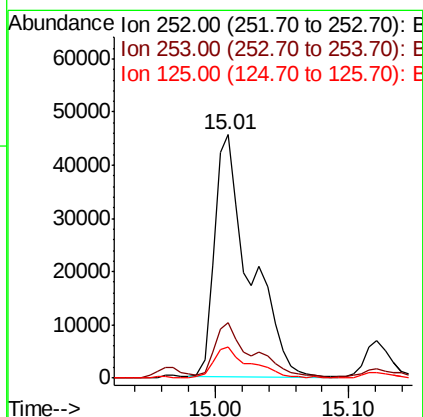
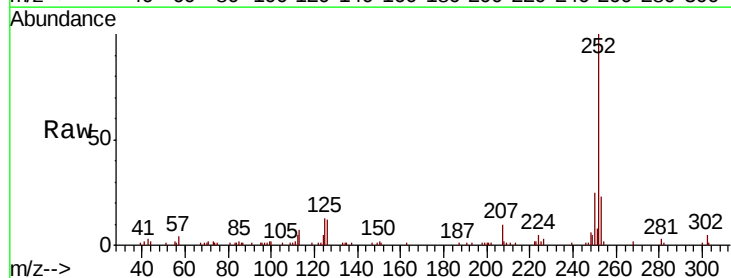
Instrument :
BNA_F
ClientSampleId :
TP-20

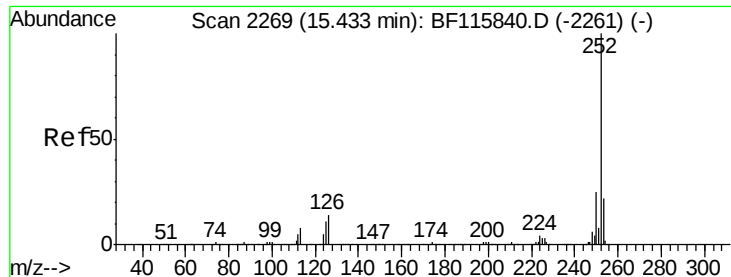
Tgt Ion:252 Resp: 84146
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 12.5 8.4 12.6



#89
Benzo(k)fluoranthene
Concen: 4.380 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.03 min
Lab File: BF116402.D
Acq: 19 Aug 2019 21:55

Tgt Ion:252 Resp: 84146
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 12.5 7.7 11.5#





#90

Benzo(a)pyrene

Concen: 2.520 ng

RT: 15.37 min Scan# 2258

Delta R.T. -0.01 min

Lab File: BF116402.D

Acq: 19 Aug 2019 21:55

Instrument :

BNA_F

ClientSampleId :

TP-20

Tgt Ion: 252 Resp: 44421

Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

125 9.9 8.9 13.3

