

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100319\
 Data File : BF117324.D
 Acq On : 3 Oct 2019 18:53
 Operator : JU
 Sample : K5160-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSA-3-2

Quant Time: Oct 04 03:19:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	55043	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	221409	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	110896	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	170055	20.00	ng	0.00
76) Chrysene-d12	13.97	240	86586	20.00	ng	0.00
87) Perylene-d12	15.42	264	89985	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	331571	94.05	ng	0.00
7) Phenol-d6	6.45	99	483285	106.07	ng	0.00
23) Nitrobenzene-d5	7.37	82	302411	71.76	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	93056	100.40	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	504838	71.18	ng	-0.01
79) Terphenyl-d14	12.90	244	401758	86.73	ng	-0.01

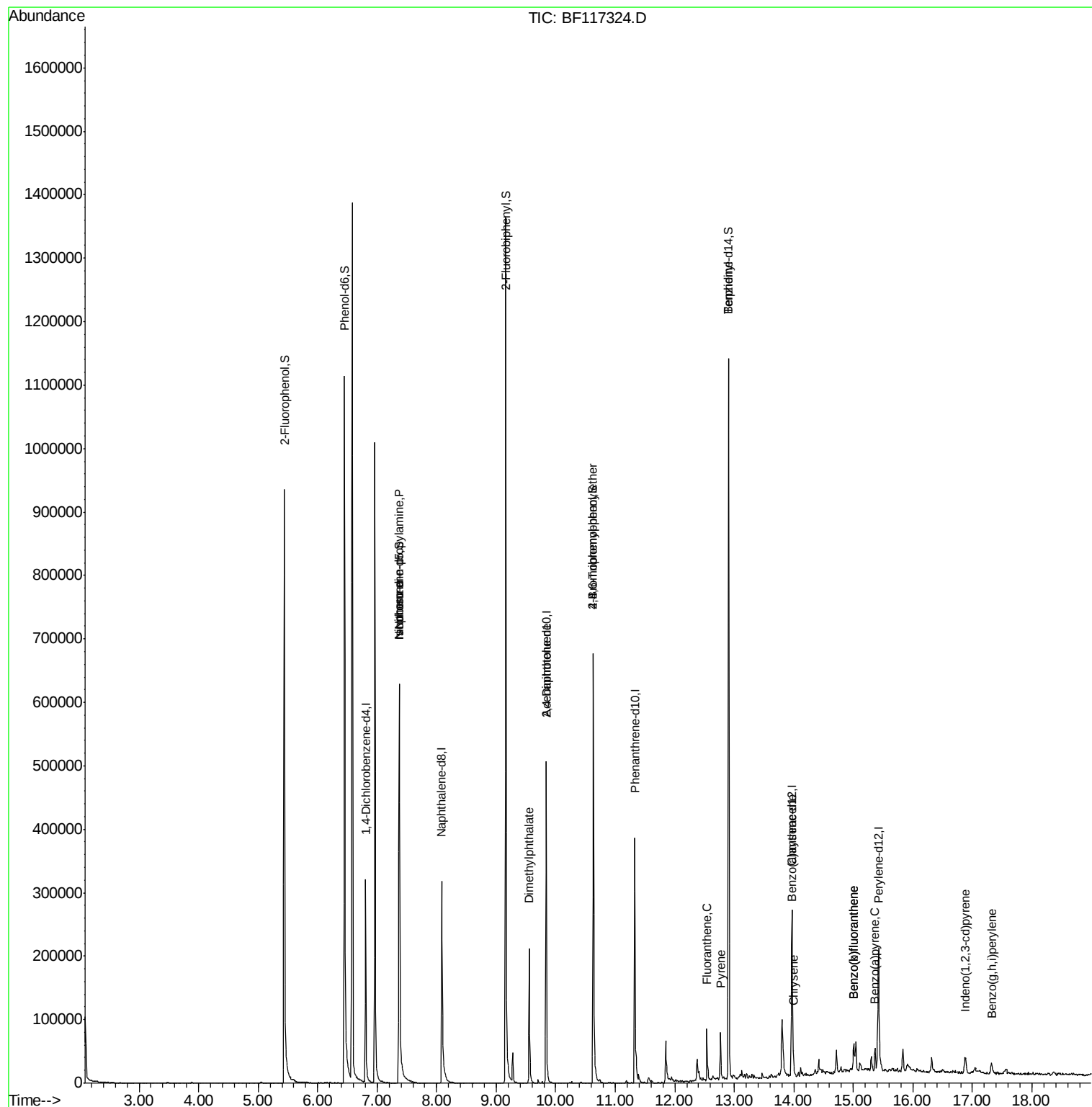
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	544	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	38256	13.789	ng	# 80
25) Isophorone	7.37	82	302410	40.532	ng	# 66
50) Dimethylphthalate	9.56	163	108495	13.818	ng	# 98
57) 2,4-Dinitrotoluene	9.84	165	13942	6.716	ng	# 18
67) 4-Bromophenyl-phenylether	10.63	248	6019	3.466	ng	# 1
75) Fluoranthene	12.54	202	35883	3.616	ng	# 98
77) Benzidine	12.90	184	5618	2.014	ng	# 97
78) Pyrene	12.77	202	32966	4.538	ng	# 98
81) Benzo(a)anthracene	13.96	228	17288	2.988	ng	# 95
83) Chrysene	13.99	228	16145	2.861	ng	# 95
86) Indeno(1,2,3-cd)pyrene	16.88	276	12879	3.129	ng	# 98
88) Benzo(b)fluoranthene	15.00	252	30704	5.633	ng	# 94
89) Benzo(k)fluoranthene	15.00	252	30704	5.947	ng	# 94
90) Benzo(a)pyrene	15.36	252	17600	3.680	ng	# 91
92) Benzo(g,h,i)perylene	17.32	276	12370	3.258	ng	# 90

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

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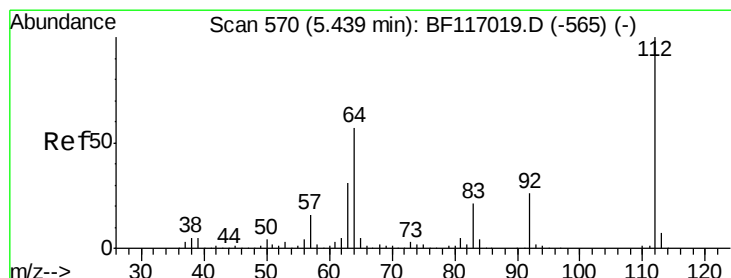
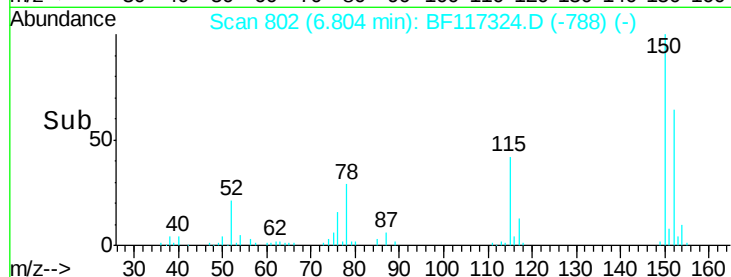
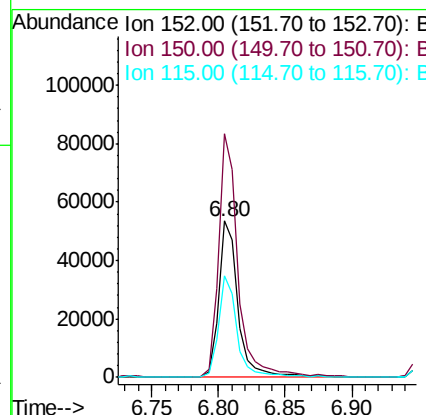
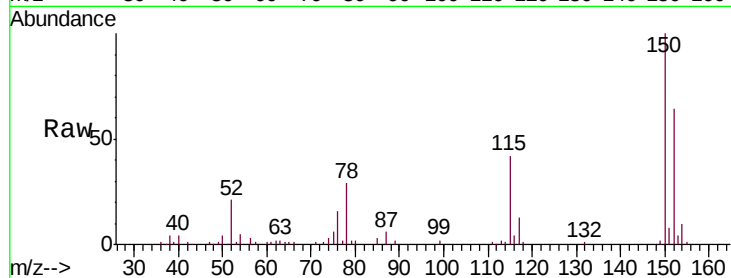




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.02 min
 Lab File: BF117324.D
 Acq: 3 Oct 2019 18:53

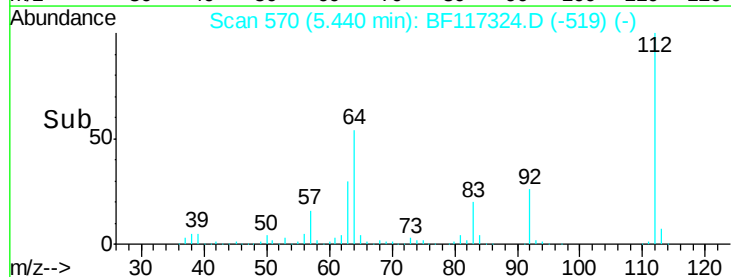
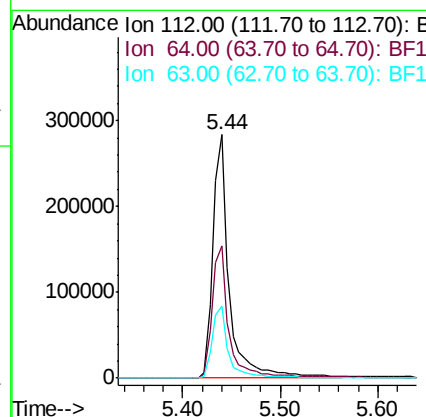
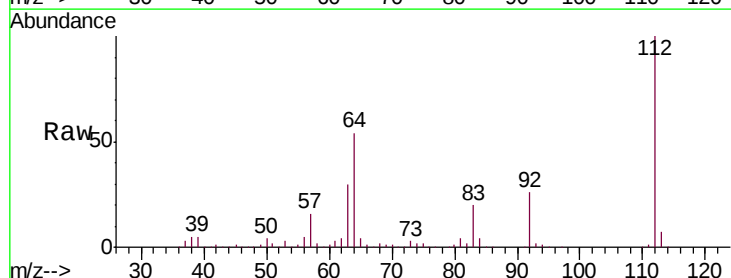
Instrument :
 BNA_F
 ClientSampleId :
 CSA-3-2

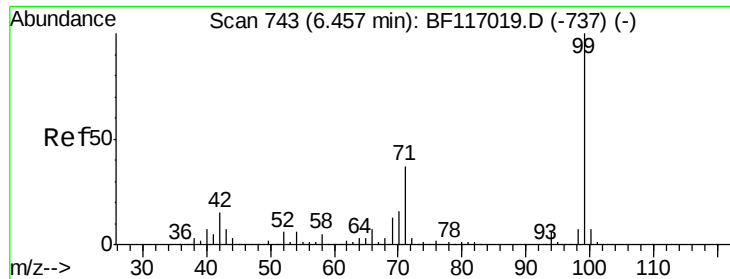
Tgt Ion:152 Resp: 55043
 Ion Ratio Lower Upper
 152 100
 150 155.6 127.5 191.3
 115 65.3 55.0 82.4



#5
 2-Fluorophenol
 Concen: 94.047 ng
 RT: 5.44 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: BF117324.D
 Acq: 3 Oct 2019 18:53

Tgt Ion:112 Resp: 331571
 Ion Ratio Lower Upper
 112 100
 64 54.2 45.7 68.5
 63 29.6 24.9 37.3





#7

Phenol-d6

Concen: 106.069 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117324.D

Acq: 3 Oct 2019 18:53

Instrument :

BNA_F

ClientSampled :

CSA-3-2

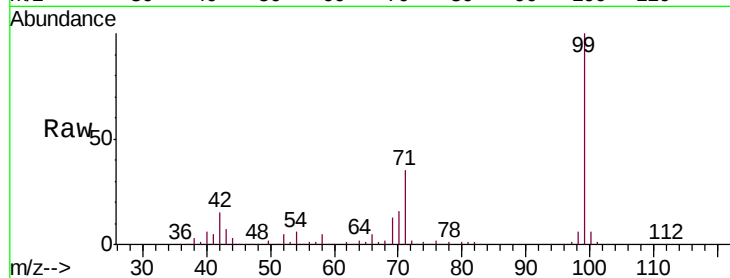
Tgt Ion: 99 Resp: 483285

Ion Ratio Lower Upper

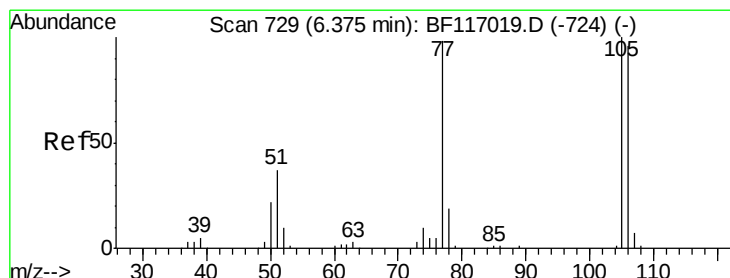
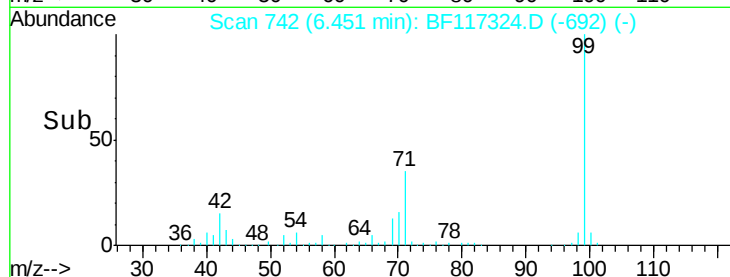
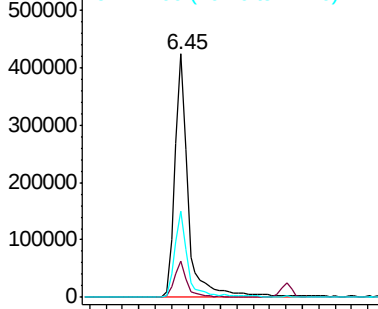
99 100

42 14.8 12.2 18.2

71 35.4 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.45 min Scan# 742

Delta R.T. 0.08 min

Lab File: BF117324.D

Acq: 3 Oct 2019 18:53

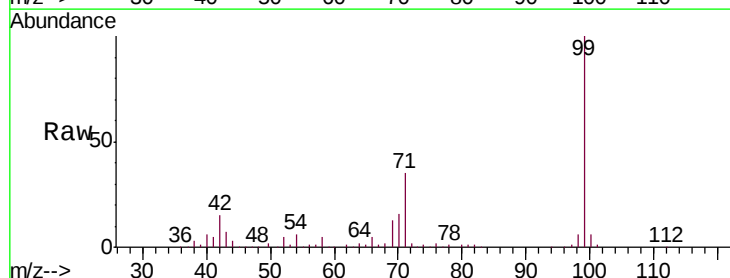
Tgt Ion: 77 Resp: 544

Ion Ratio Lower Upper

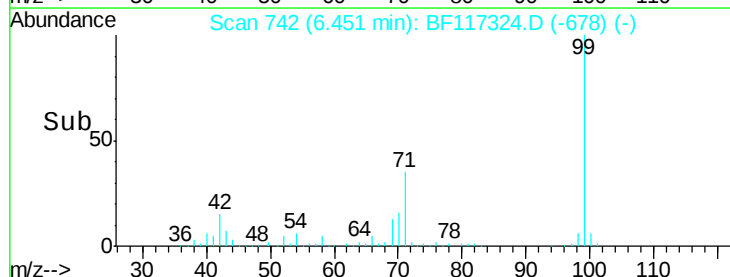
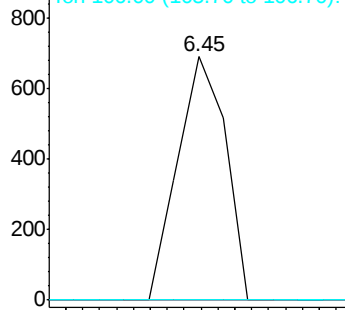
77 100

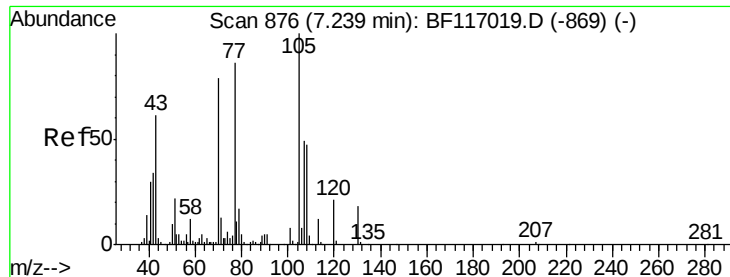
105 0.0 81.8 121.8#

106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

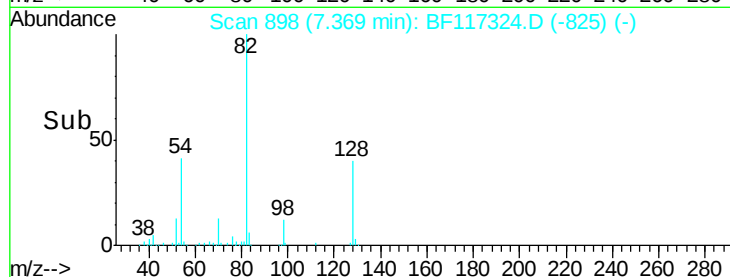
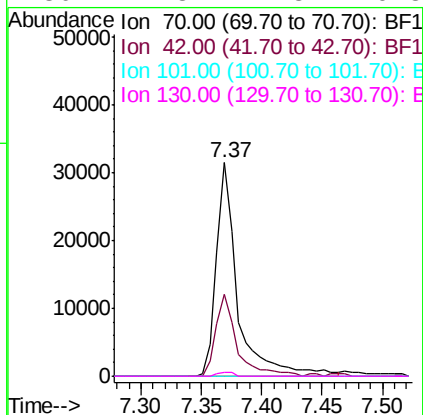
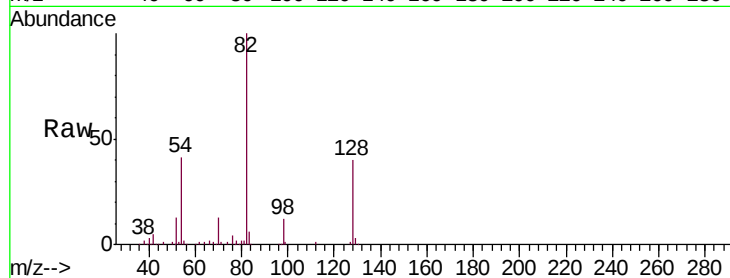




#19
n-Nitroso-di-n-propylamine
Concen: 13.789 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.13 min
Lab File: BF117324.D
Acq: 3 Oct 2019 18:53

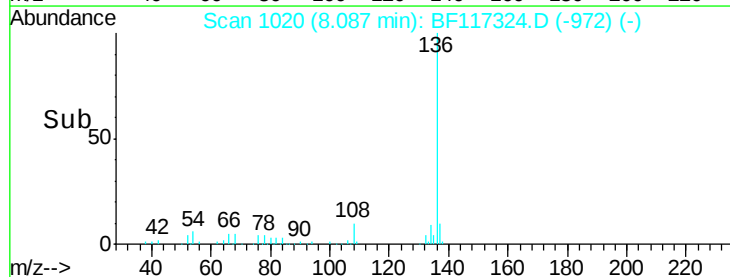
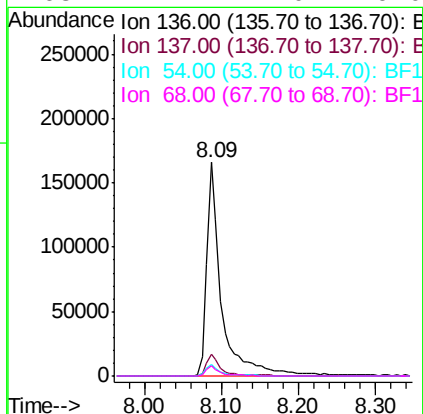
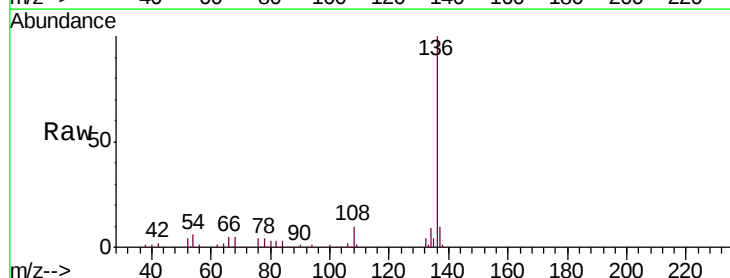
Instrument :
BNA_F
ClientSampleId :
CSA-3-2

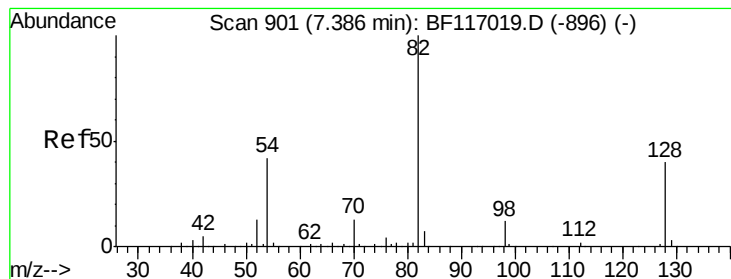
Tgt Ion: 70 Resp: 38256
Ion Ratio Lower Upper
70 100
42 38.4 34.0 51.0
101 0.0 7.8 11.6#
130 1.8 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF117324.D
Acq: 3 Oct 2019 18:53

Tgt Ion: 136 Resp: 221409
Ion Ratio Lower Upper
136 100
137 10.0 9.0 13.4
54 5.5 4.5 6.7
68 4.7 4.0 6.0





#23

Nitrobenzene-d5

Concen: 71.765 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF117324.D

Acq: 3 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

CSA-3-2

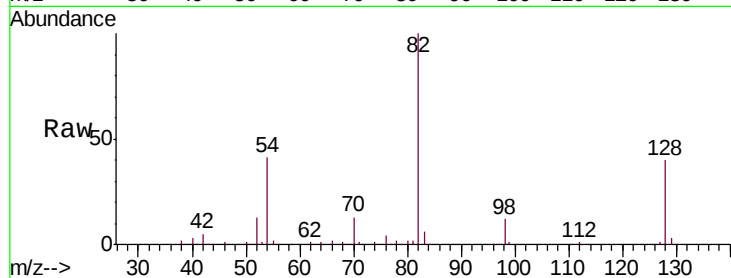
Tgt Ion: 82 Resp: 302411

Ion Ratio Lower Upper

82 100

128 40.4 32.3 48.5

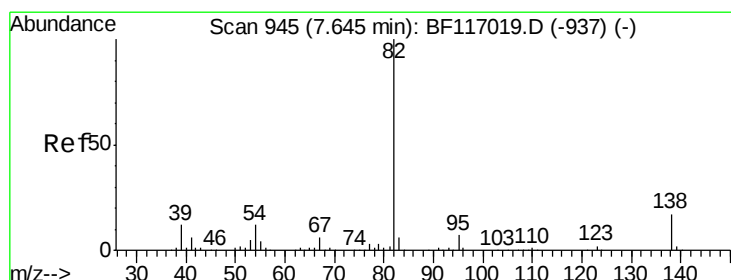
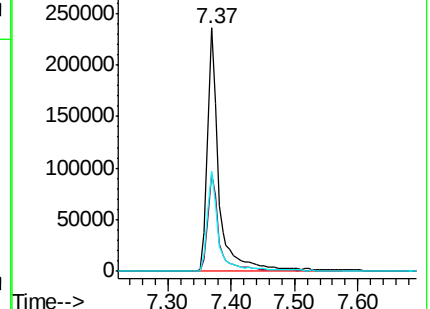
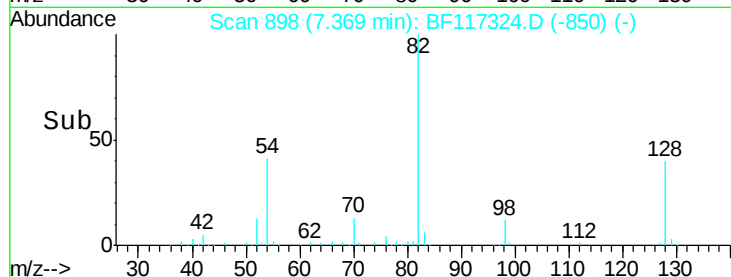
54 41.3 33.3 49.9



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 40.532 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.28 min

Lab File: BF117324.D

Acq: 3 Oct 2019 18:53

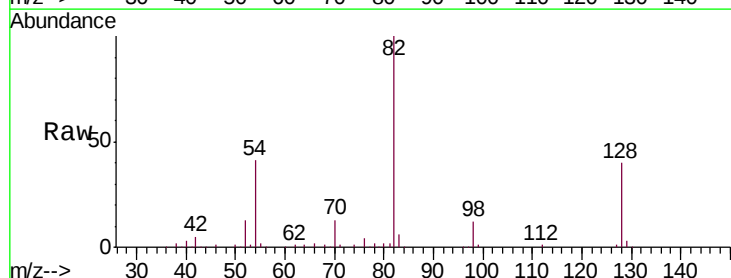
Tgt Ion: 82 Resp: 302410

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

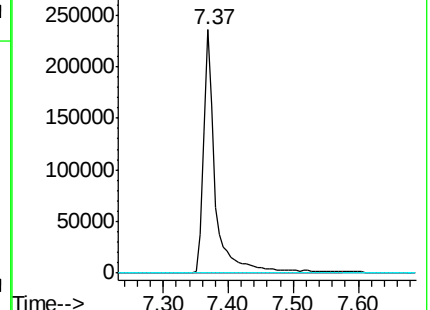
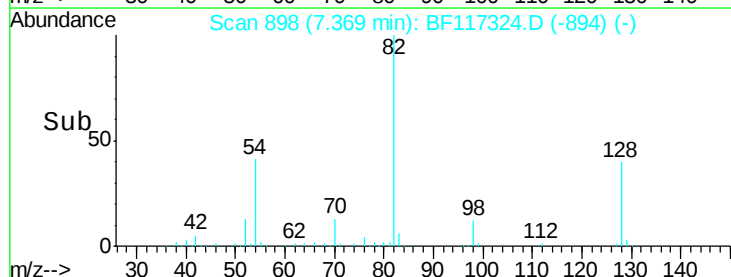
138 0.0 13.5 20.3#

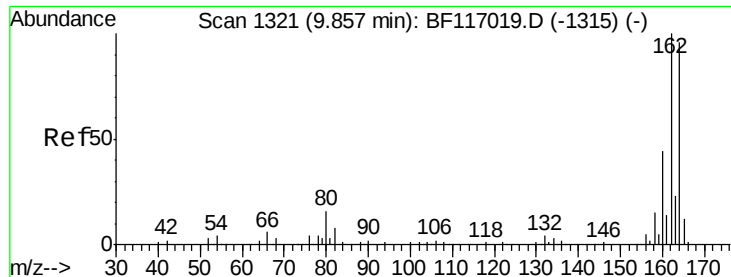


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

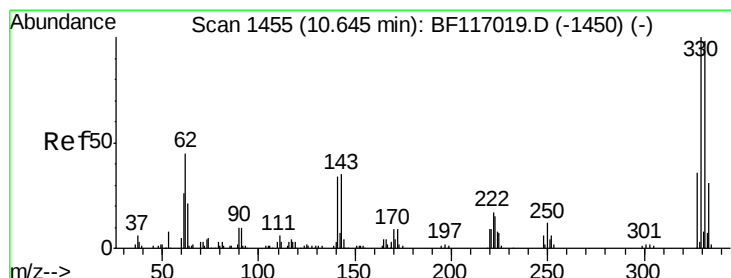
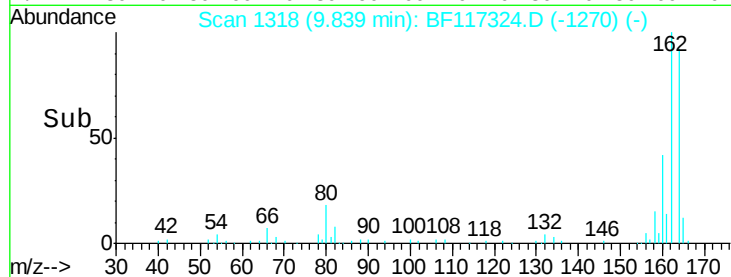
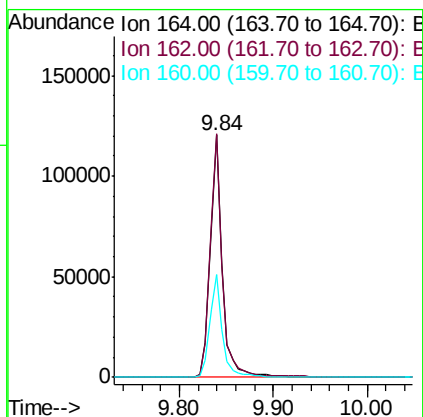
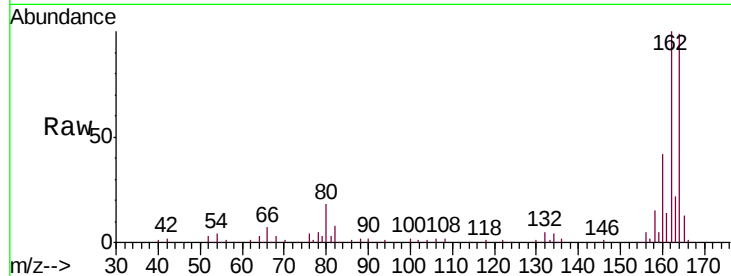




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: BF117324.D
 Acq: 3 Oct 2019 18:53

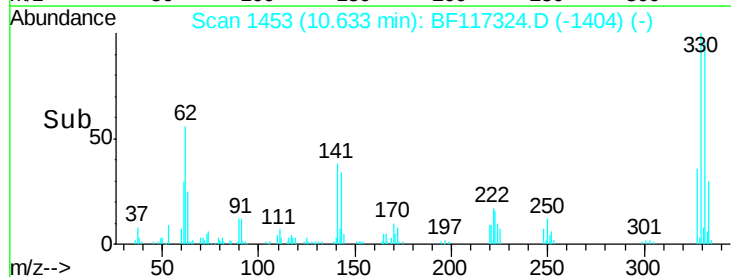
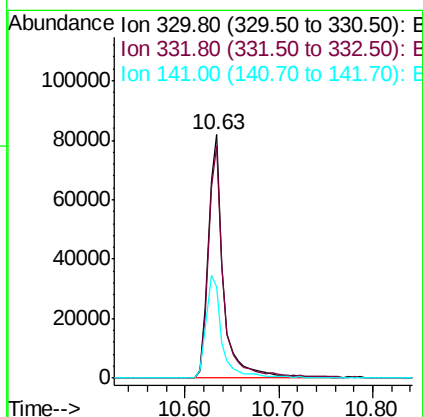
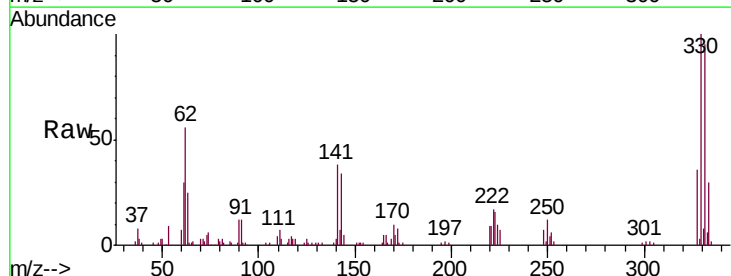
Instrument :
 BNA_F
 ClientSampleId :
 CSA-3-2

Tgt Ion:164 Resp: 110896
 Ion Ratio Lower Upper
 164 100
 162 100.7 83.4 125.2
 160 42.5 36.4 54.6



#42
 2,4,6-Tribromophenol
 Concen: 100.402 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF117324.D
 Acq: 3 Oct 2019 18:53

Tgt Ion:330 Resp: 93056
 Ion Ratio Lower Upper
 330 100
 332 94.6 78.0 117.0
 141 43.9 35.8 53.6

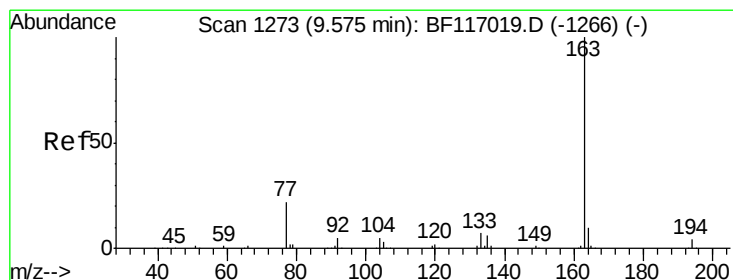
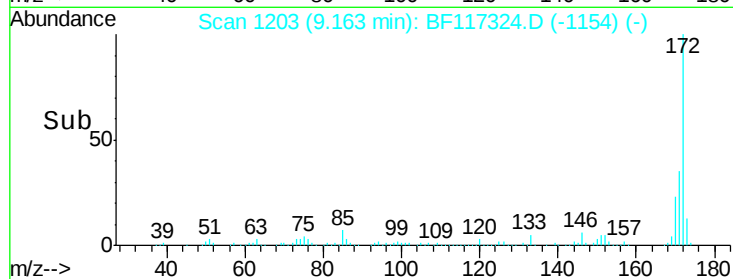
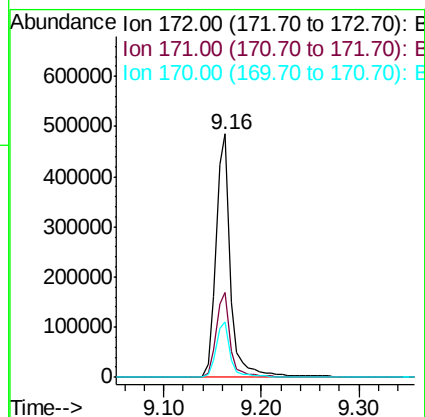
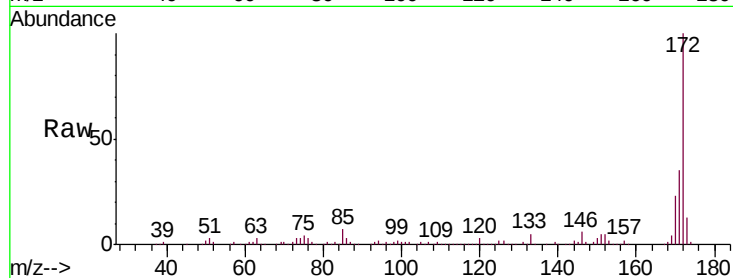




#45
 2-Fluorobiphenyl
 Concen: 71.179 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF117324.D
 Acq: 3 Oct 2019 18:53

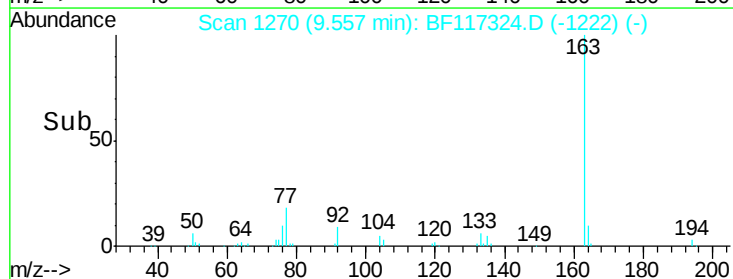
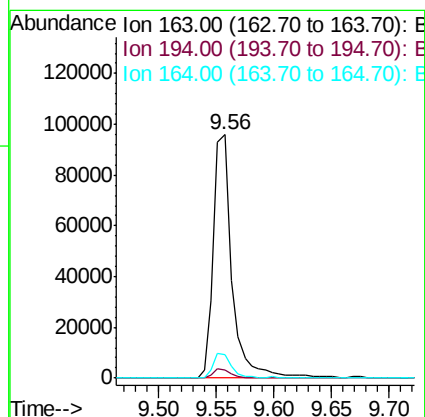
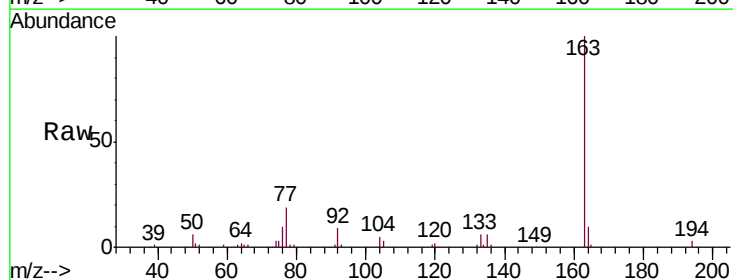
Instrument :
 BNA_F
 ClientSampleId :
 CSA-3-2

Tgt Ion:172 Resp: 504838
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.2 42.2
 170 22.7 18.9 28.3



#50
 Dimethylphthalate
 Concen: 13.818 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: BF117324.D
 Acq: 3 Oct 2019 18:53

Tgt Ion:163 Resp: 108495
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.9 4.3
 164 9.6 8.2 12.4

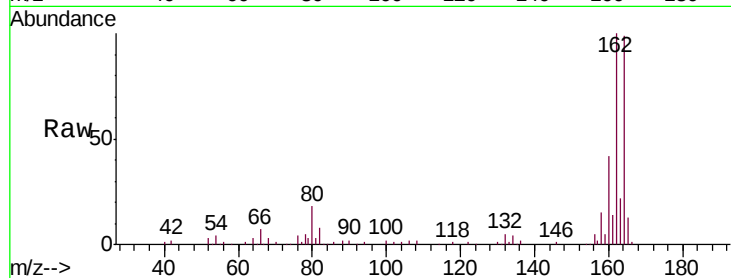




#57
 2,4-Dinitrotoluene
 Concen: 6.716 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF117324.D
 Acq: 3 Oct 2019 18:53

Instrument :
 BNA_F
 ClientSampleID :
 CSA-3-2

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#

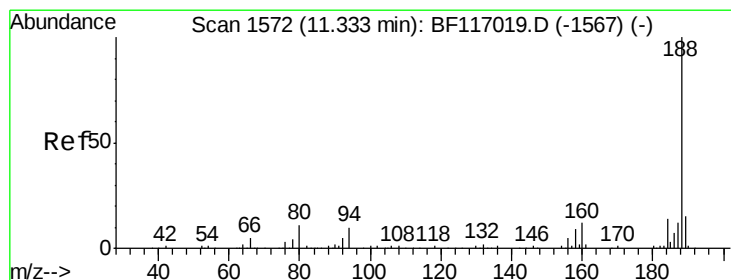
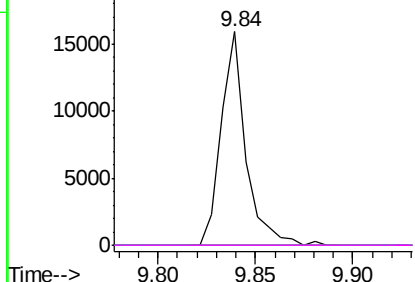
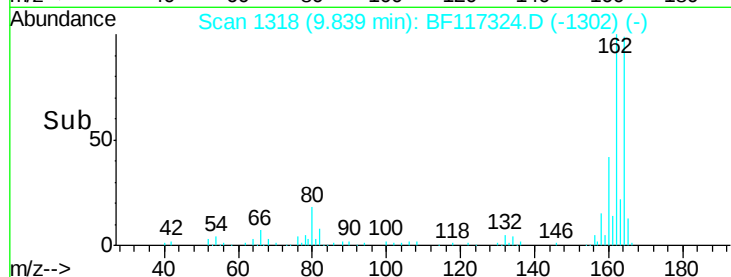


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

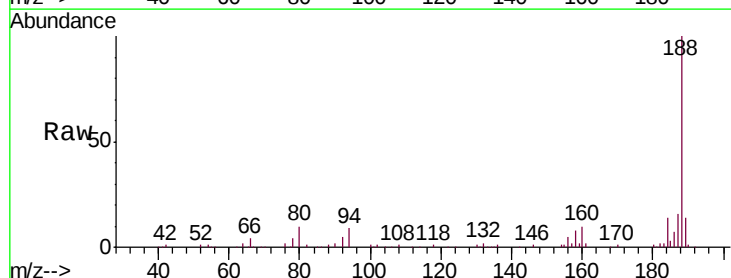
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF117324.D
 Acq: 3 Oct 2019 18:53

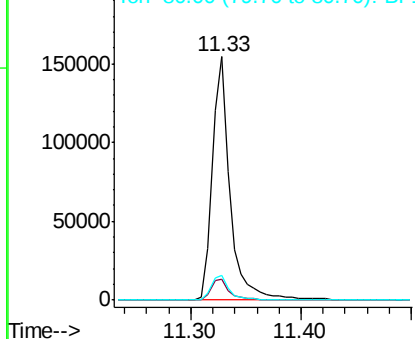
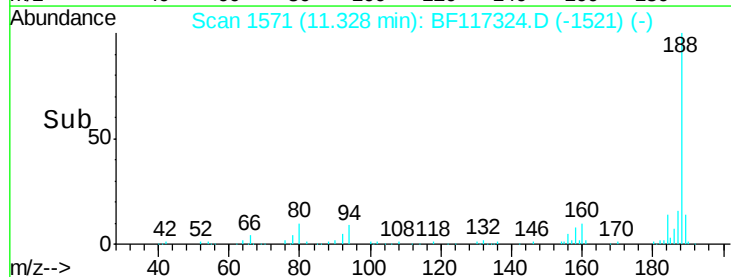
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.2	12.2
80	10.0	9.0	13.6

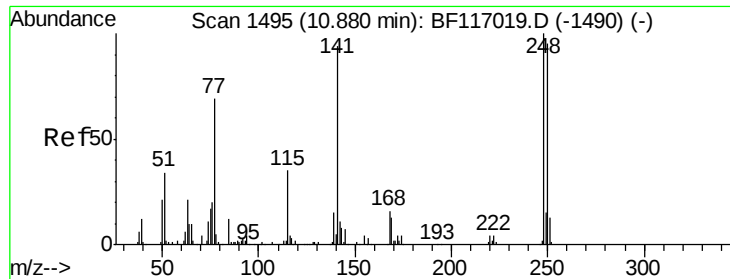


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

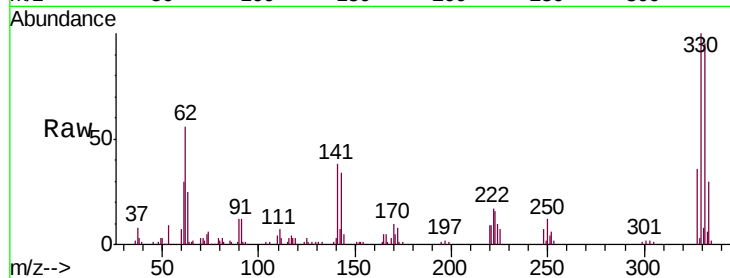




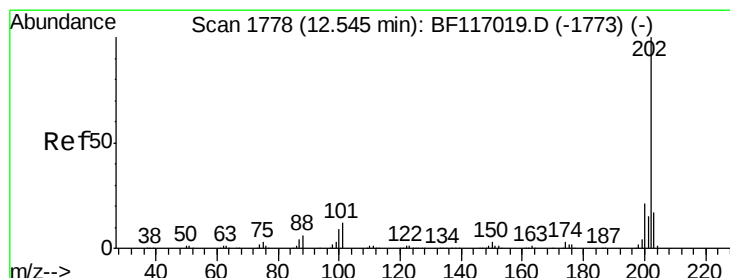
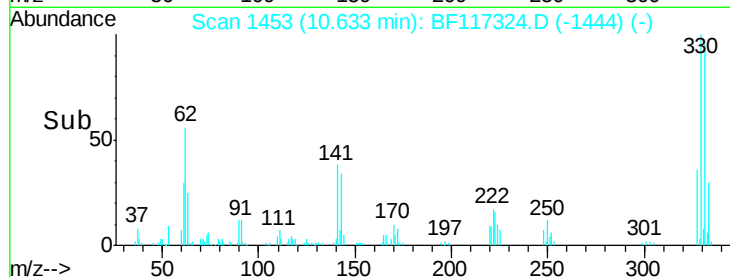
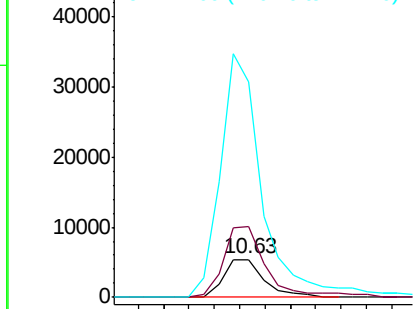
#67
 4-Bromophenyl-phenylether
 Concen: 3.466 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF117324.D
 Acq: 3 Oct 2019 18:53

Instrument :
 BNA_F
 ClientSampleId :
 CSA-3-2

Tgt Ion: 248 Resp: 6019
 Ion Ratio Lower Upper
 248 100
 250 186.2 76.2 114.4#
 141 566.5 75.0 112.4#

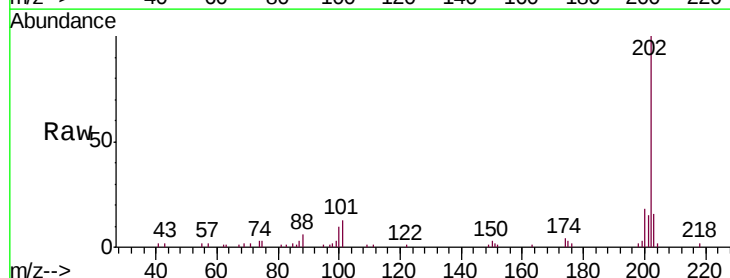


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

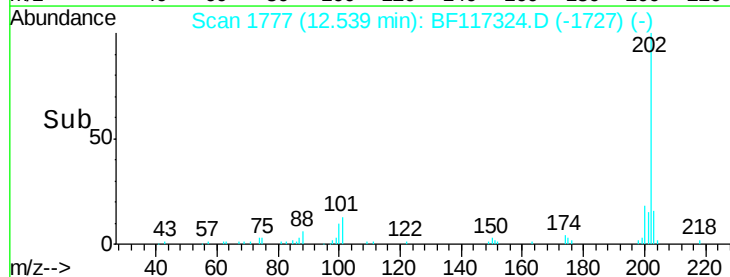
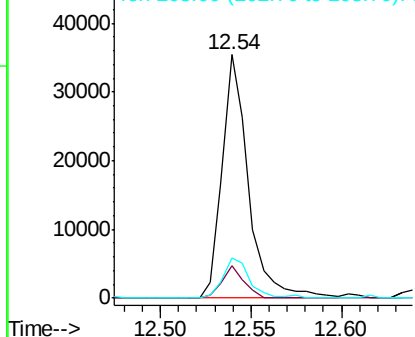


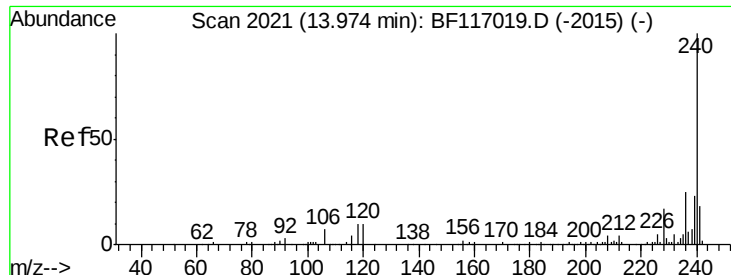
#75
 Fluoranthene
 Concen: 3.616 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BF117324.D
 Acq: 3 Oct 2019 18:53

Tgt Ion: 202 Resp: 35883
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 32.3
 203 16.4 0.0 37.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

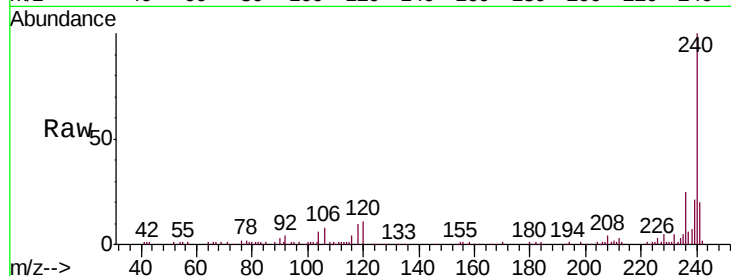




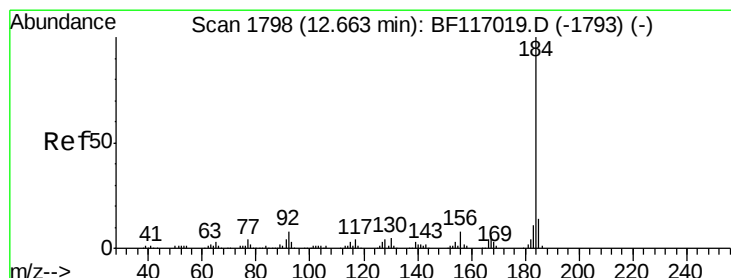
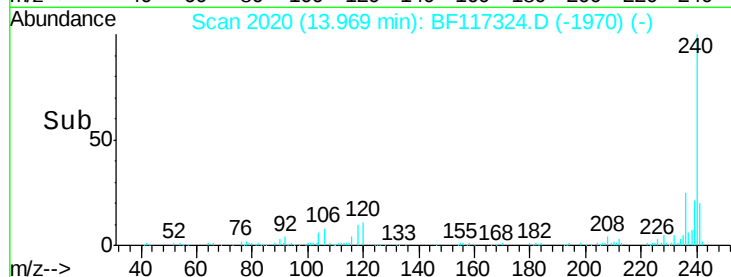
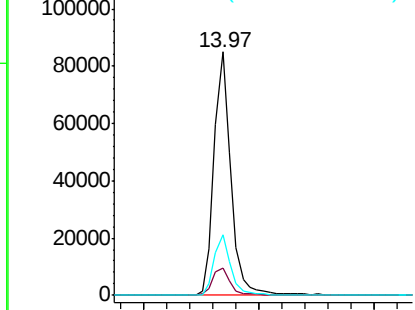
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117324.D
Acq: 3 Oct 2019 18:53

Instrument :
BNA_F
ClientSampled :
CSA-3-2

Tgt Ion:240 Resp: 86586
Ion Ratio Lower Upper
240 100
120 11.0 8.3 12.5
236 25.1 20.3 30.5

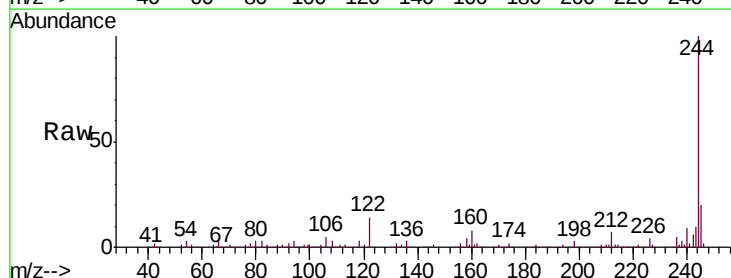


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

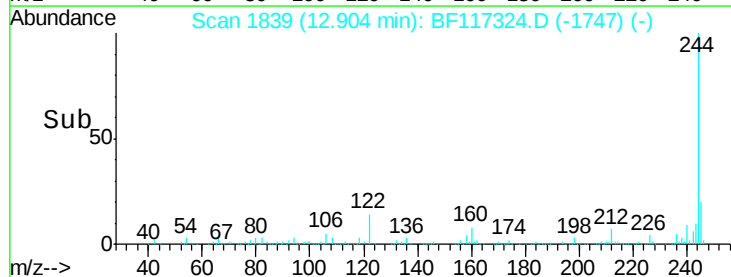
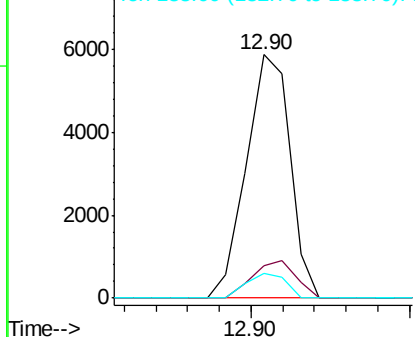


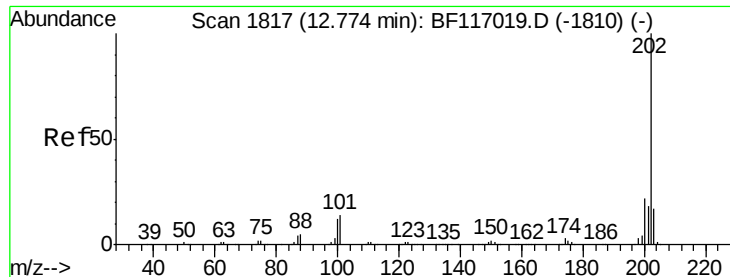
#77
Benzidine
Concen: 2.014 ng
RT: 12.90 min Scan# 1839
Delta R.T. 0.24 min
Lab File: BF117324.D
Acq: 3 Oct 2019 18:53

Tgt Ion:184 Resp: 5618
Ion Ratio Lower Upper
184 100
185 13.4 11.6 17.4
183 10.3 9.0 13.4



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

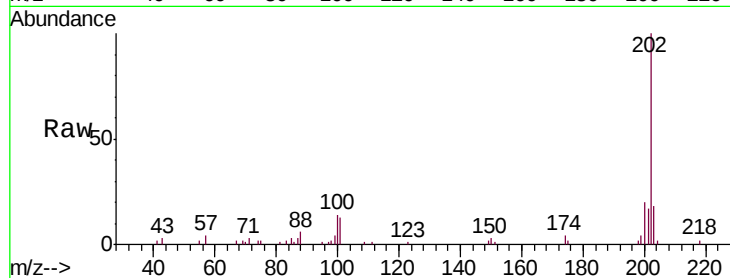




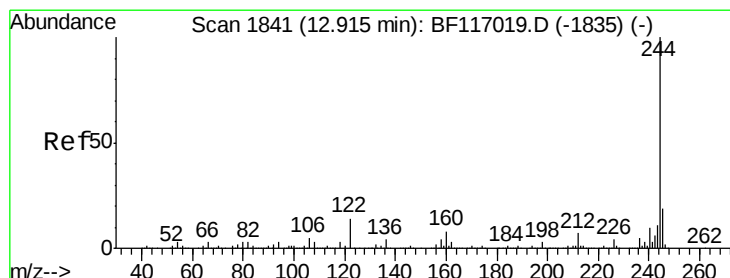
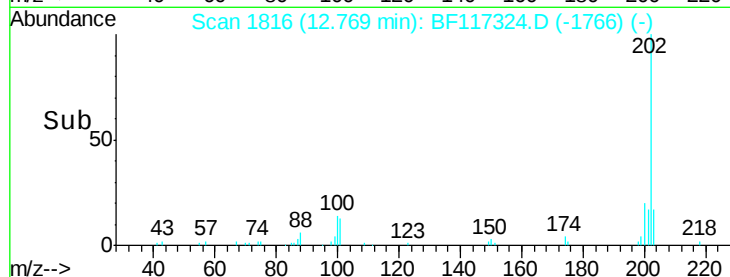
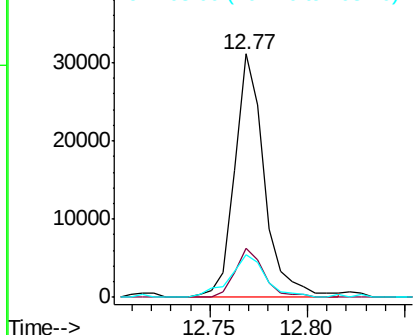
#78
 Pyrene
 Concen: 4.538 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BF117324.D
 Acq: 3 Oct 2019 18:53

Instrument :
 BNA_F
 ClientSampleId :
 CSA-3-2

Tgt Ion: 202 Resp: 32966
 Ion Ratio Lower Upper
 202 100
 200 20.0 17.2 25.8
 203 17.5 14.0 21.0

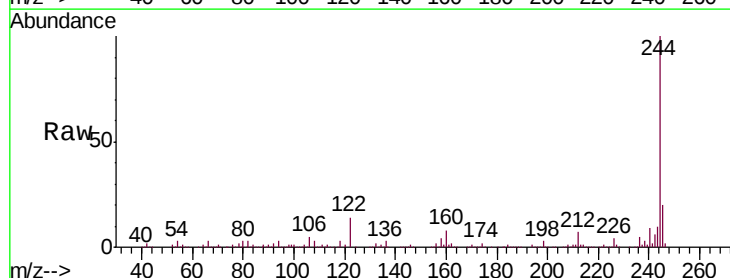


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

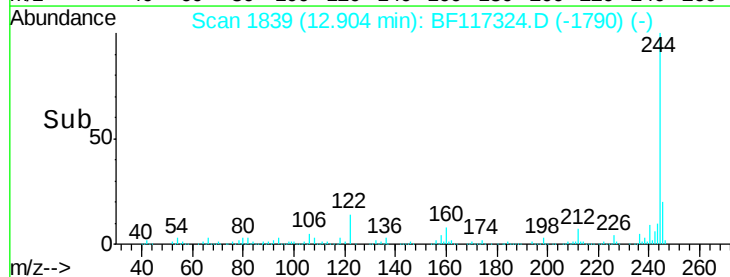
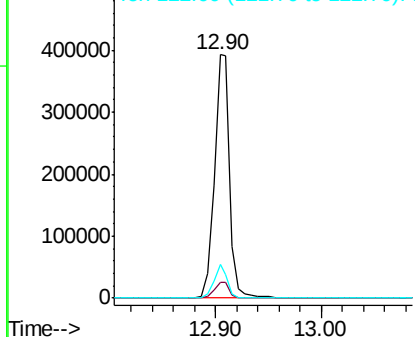


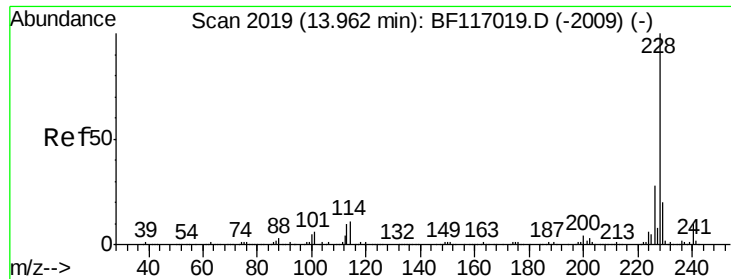
#79
 Terphenyl-d14
 Concen: 86.732 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF117324.D
 Acq: 3 Oct 2019 18:53

Tgt Ion: 244 Resp: 401758
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.8
 122 13.8 11.3 16.9



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: 2.988 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF117324.D

Acq: 3 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

CSA-3-2

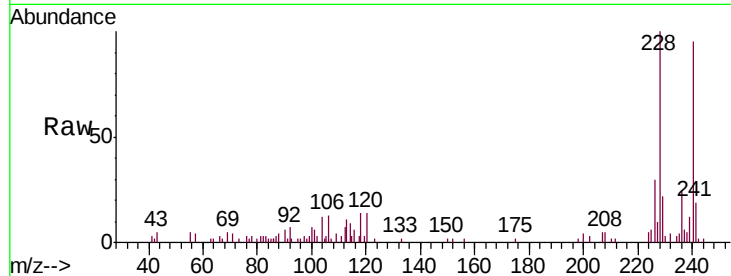
Tgt Ion:228 Resp: 17288

Ion Ratio Lower Upper

228 100

226 30.5 22.3 33.5

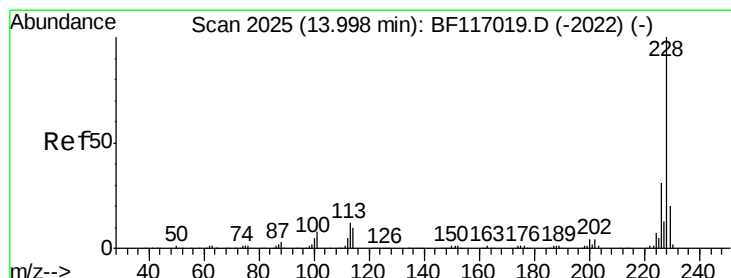
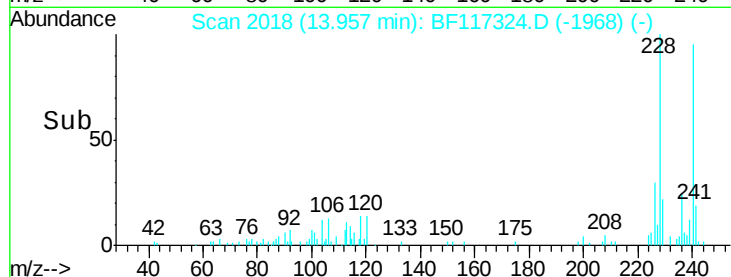
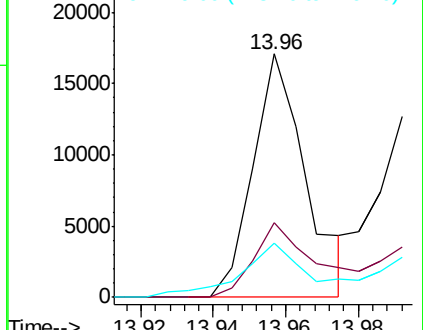
229 22.0 15.9 23.9



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: 2.861 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF117324.D

Acq: 3 Oct 2019 18:53

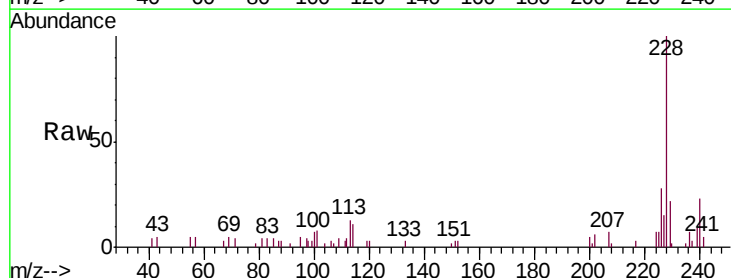
Tgt Ion:228 Resp: 16145

Ion Ratio Lower Upper

228 100

226 28.0 24.8 37.2

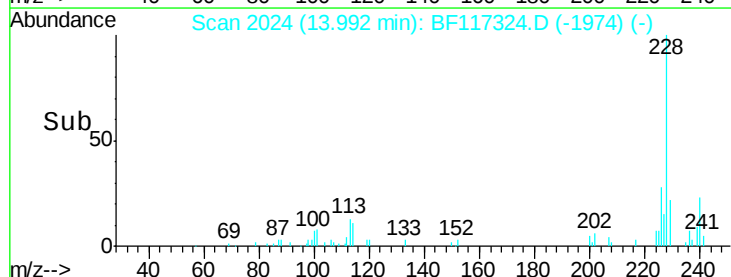
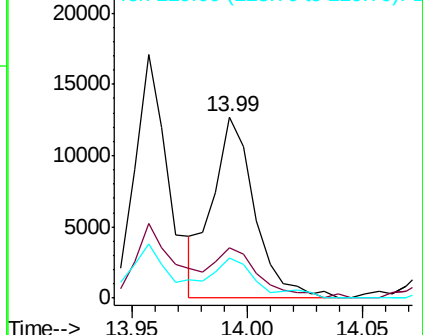
229 22.1 15.8 23.8

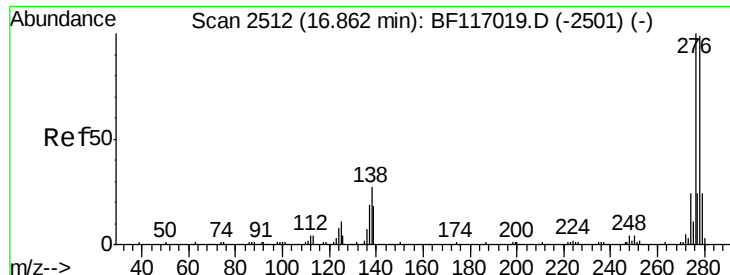


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.129 ng

RT: 16.88 min Scan# 2515

Delta R.T. 0.02 min

Lab File: BF117324.D

Acq: 3 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

CSA-3-2

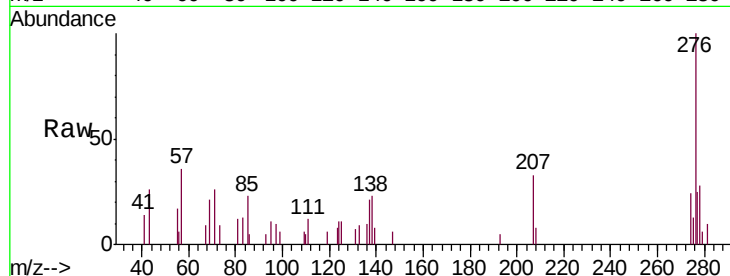
Tgt Ion:276 Resp: 12879

Ion Ratio Lower Upper

276 100

138 24.3 20.7 31.1

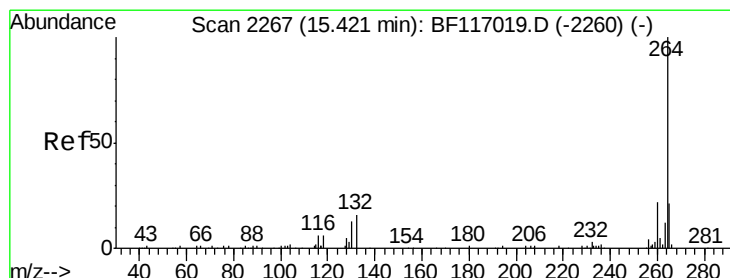
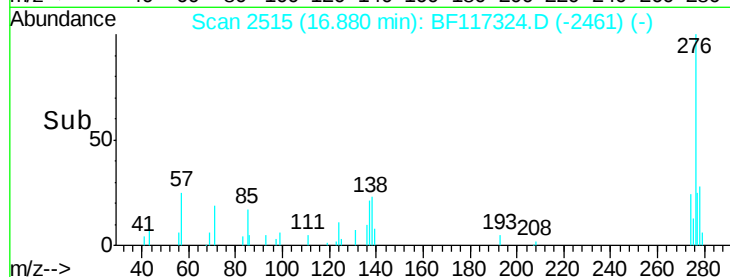
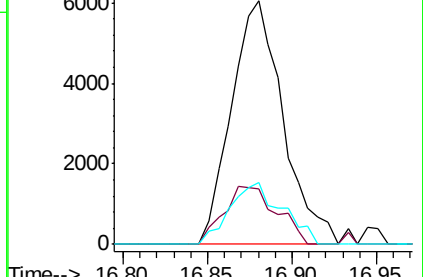
277 25.5 19.8 29.8



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

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.00 min

Lab File: BF117324.D

Acq: 3 Oct 2019 18:53

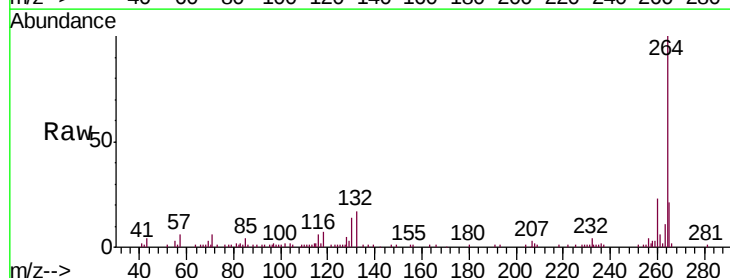
Tgt Ion:264 Resp: 89985

Ion Ratio Lower Upper

264 100

260 23.1 17.6 26.4

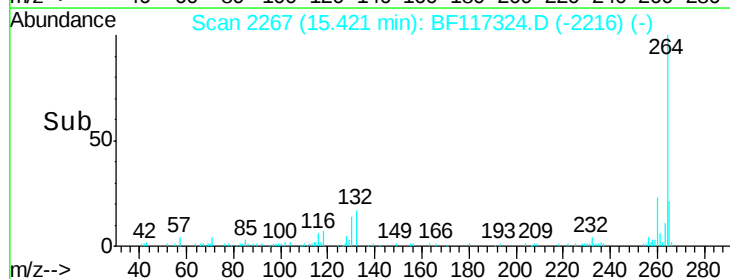
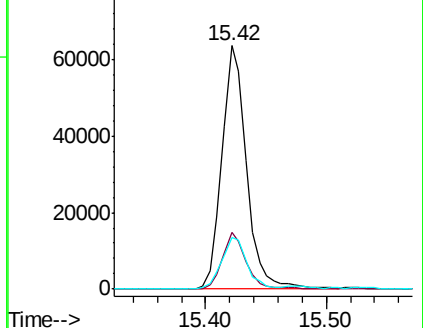
265 21.4 16.6 24.8

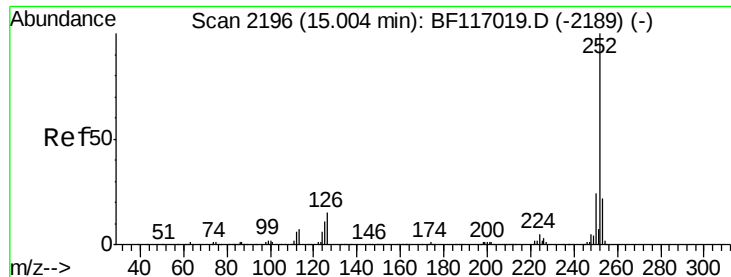


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 5.633 ng

RT: 15.00 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BF117324.D

Acq: 3 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

CSA-3-2

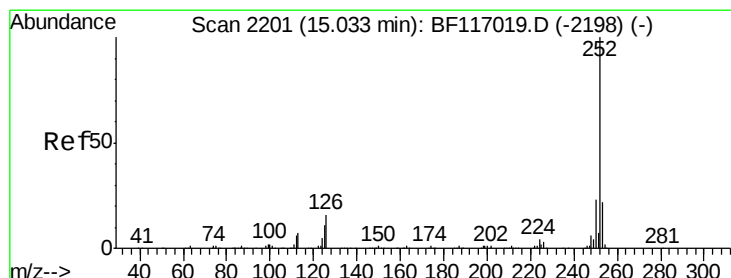
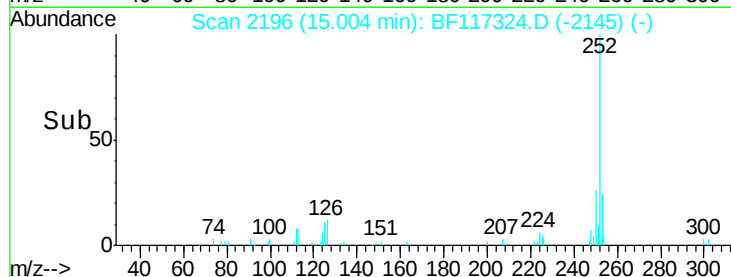
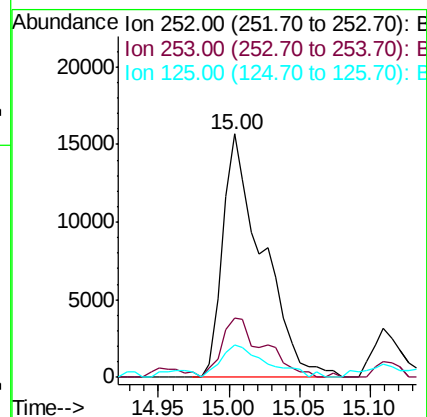
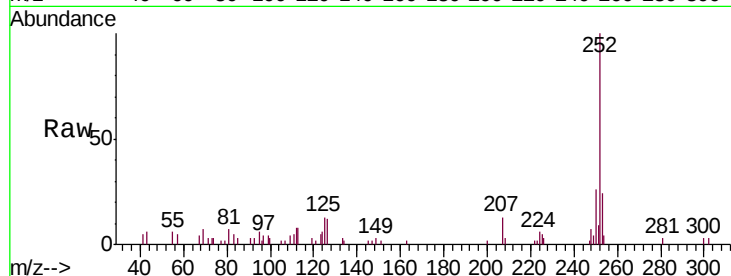
Tgt Ion:252 Resp: 30704

Ion Ratio Lower Upper

252 100

253 24.3 17.6 26.4

125 13.4 8.6 12.8#



#89

Benzo(k)fluoranthene

Concen: 5.947 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.03 min

Lab File: BF117324.D

Acq: 3 Oct 2019 18:53

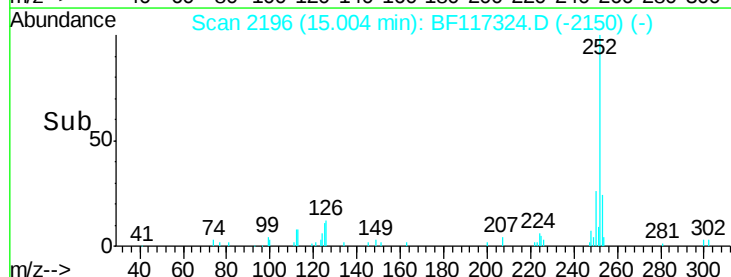
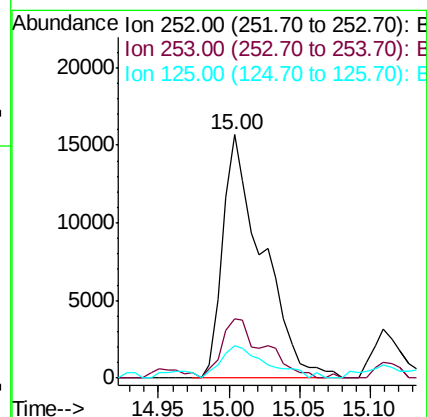
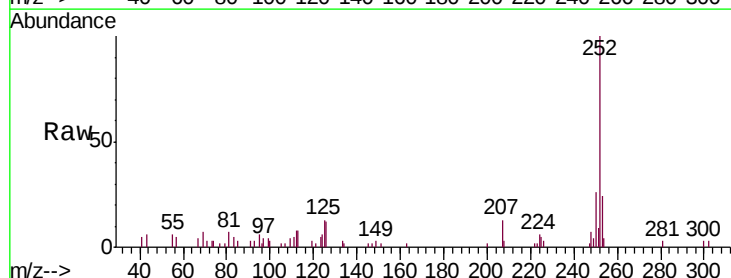
Tgt Ion:252 Resp: 30704

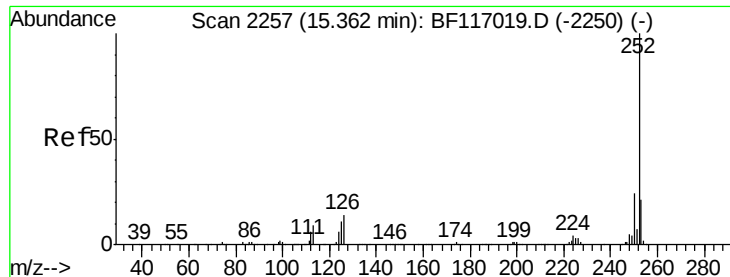
Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.2

125 13.4 8.8 13.2#





#90

Benzo(a)pyrene

Concen: 3.680 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BF117324.D

Acq: 3 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

CSA-3-2

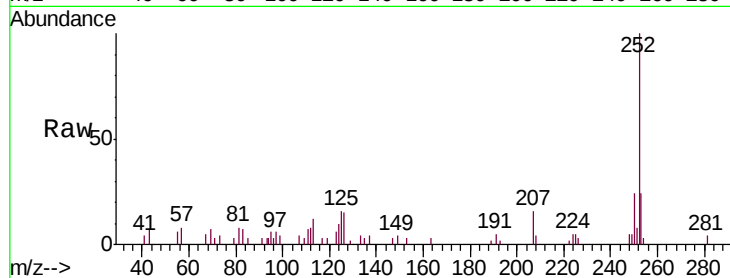
Tgt Ion:252 Resp: 17600

Ion Ratio Lower Upper

252 100

253 23.8 16.6 25.0

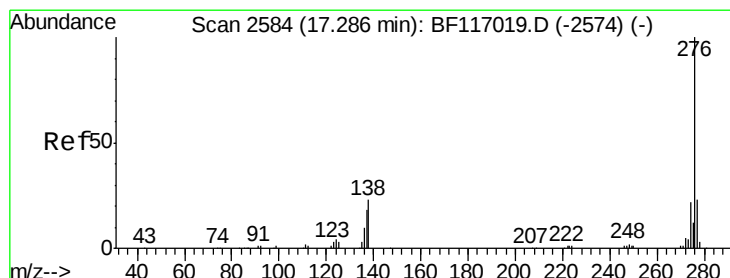
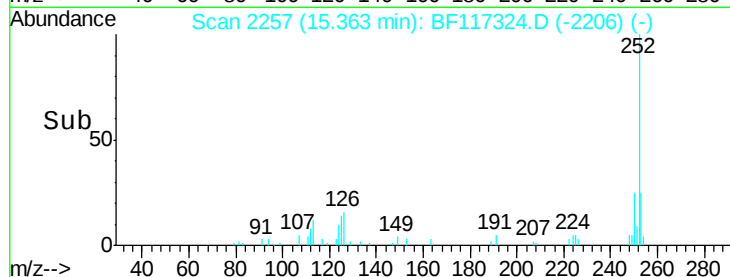
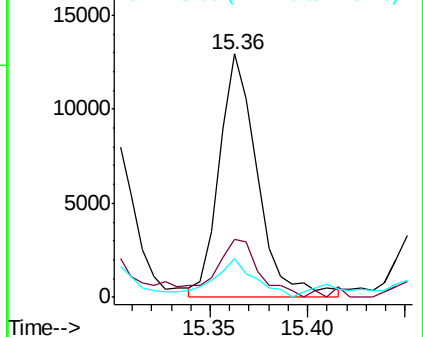
125 15.9 8.9 13.3#



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: 3.258 ng

RT: 17.32 min Scan# 2589

Delta R.T. 0.03 min

Lab File: BF117324.D

Acq: 3 Oct 2019 18:53

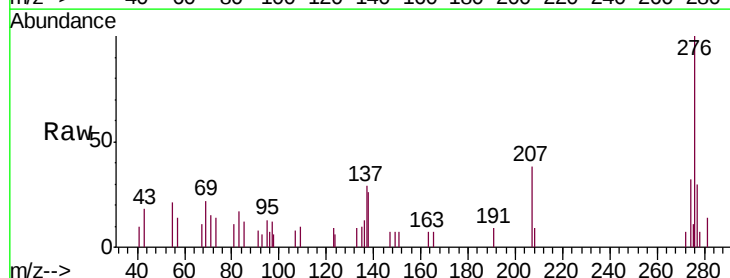
Tgt Ion:276 Resp: 12370

Ion Ratio Lower Upper

276 100

277 29.5 18.6 27.8#

138 26.1 18.0 27.0



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

