

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
 Data File : BF117293.D
 Acq On : 2 Oct 2019 12:24
 Operator : JU
 Sample : K4659-01RE 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 01:29:53 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	39711	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	160459	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	75393	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	103186	20.00	ng	0.00
76) Chrysene-d12	13.97	240	92934	20.00	ng	0.00
87) Perylene-d12	15.44	264	94636	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	103111	40.54	ng	-0.01
7) Phenol-d6	6.45	99	140631	42.78	ng	-0.01
23) Nitrobenzene-d5	7.37	82	85617	28.04	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	23279	36.94	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	155158	32.18	ng	-0.01
79) Terphenyl-d14	12.91	244	129974	26.14	ng	0.00

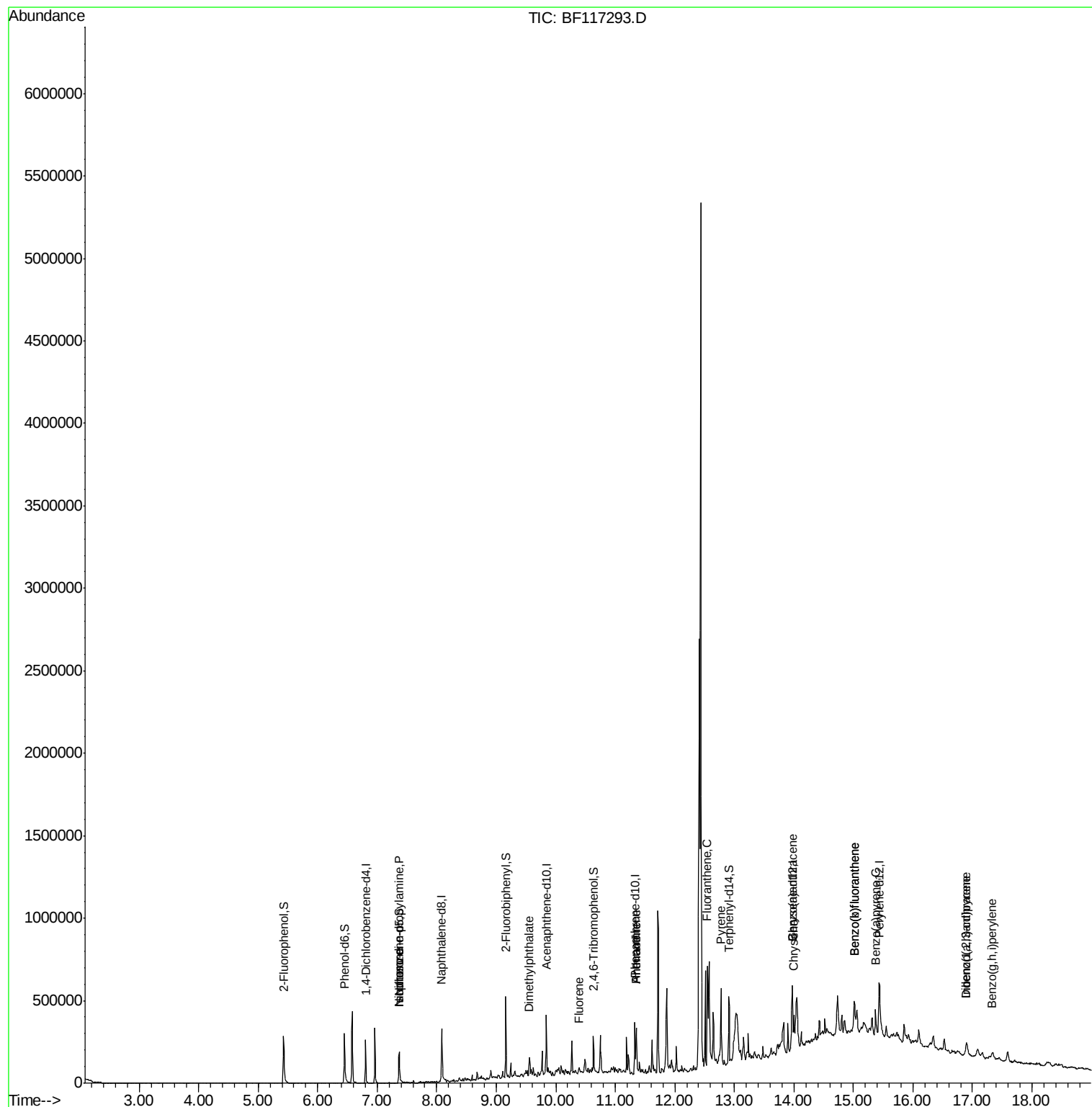
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.58	77	2646	Below Cal	#	67
19) n-Nitroso-di-n-propylamine	7.37	70	11358	5.674 ng	#	78
25) Isophorone	7.37	82	85617	15.834 ng	#	66
50) Dimethylphthalate	9.56	163	27297	5.114 ng		97
58) Fluorene	10.39	166	9914	2.013 ng		99
69) Atrazine	11.04	200	318	Below Cal	#	38
71) Phenanthrene	11.35	178	98737	16.847 ng		98
72) Anthracene	11.35	178	98737	16.501 ng		99
75) Fluoranthene	12.54	202	197854	32.855 ng		99
78) Pyrene	12.78	202	172859	22.167 ng		97
81) Benzo(a)anthracene	13.97	228	92003	14.818 ng		98
83) Chrysene	14.00	228	84057	13.880 ng		96
86) Indeno(1,2,3-cd)pyrene	16.90	276	30459	6.894 ng		99
88) Benzo(b)fluoranthene	15.02	252	127432	22.230 ng	#	91
89) Benzo(k)fluoranthene	15.02	252	127432	23.467 ng	#	91
90) Benzo(a)pyrene	15.37	252	61569	12.240 ng	#	87
91) Dibenzo(a,h)anthracene	16.89	278	8067	2.013 ng	#	66
92) Benzo(g,h,i)perylene	17.34	276	29717	7.442 ng	#	94

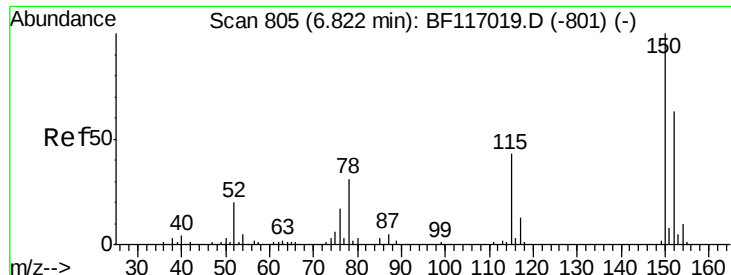
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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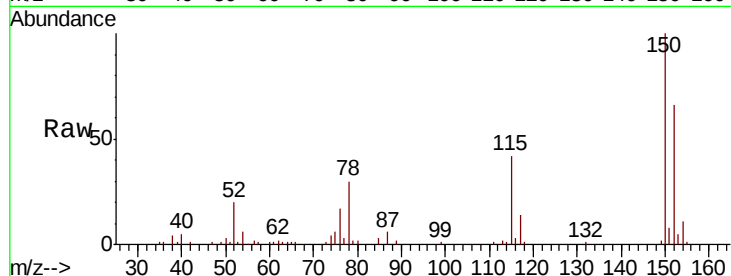


#1

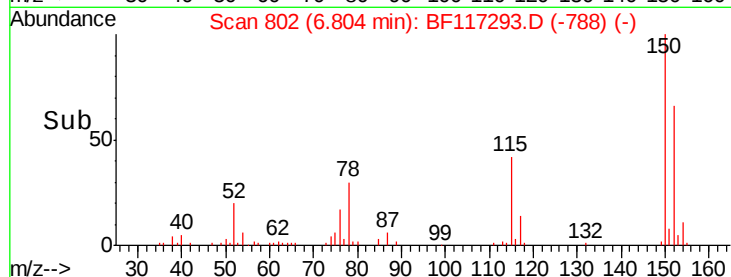
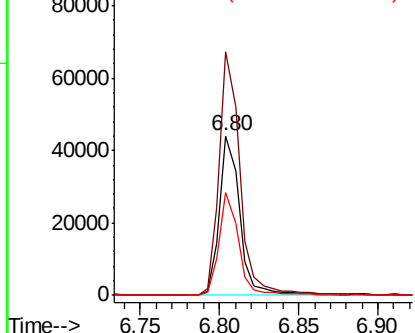
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 39711
Ion Ratio Lower Upper
152 100
150 152.5 127.5 191.3
115 64.3 55.0 82.4



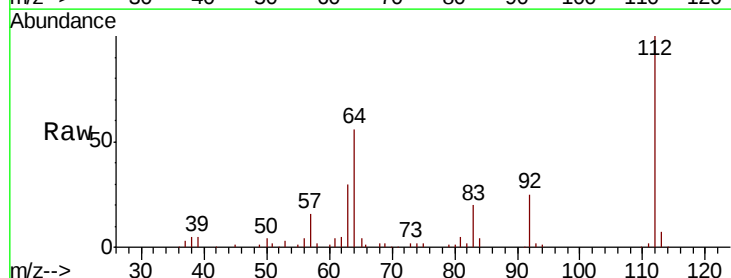
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



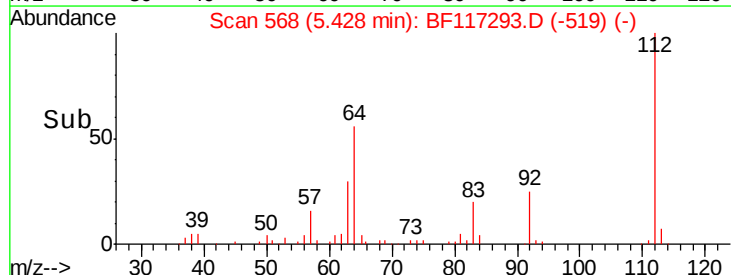
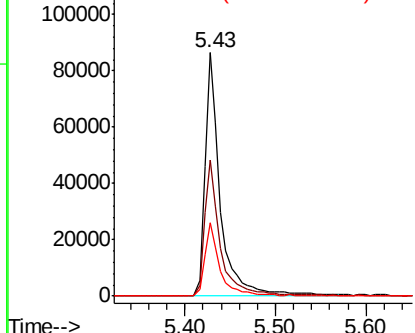
#5

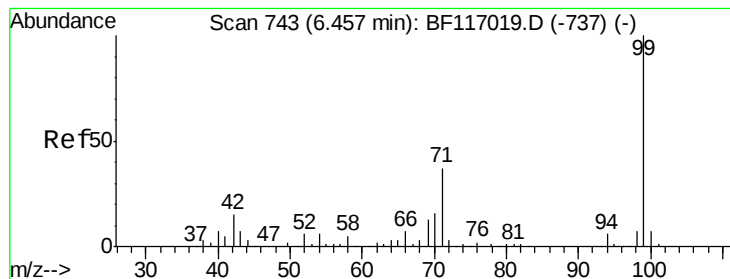
2-Fluorophenol
Concen: 40.538 ng
RT: 5.43 min Scan# 568
Delta R.T. -0.01 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

Tgt Ion:112 Resp: 103111
Ion Ratio Lower Upper
112 100
64 55.9 45.7 68.5
63 29.9 24.9 37.3



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: 42.782 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

Instrument :

BNA_F

ClientSampled :

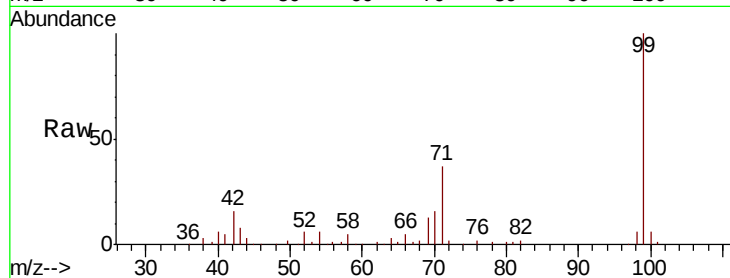
Tot Ion: 99 Resp: 140631

Ion Ratio Lower Upper

99 100

42 15.8 12.2 18.2

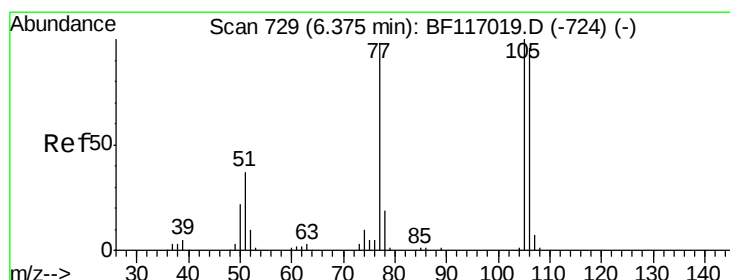
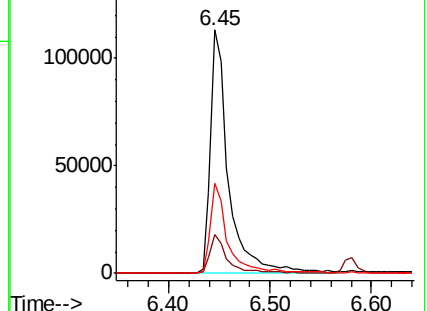
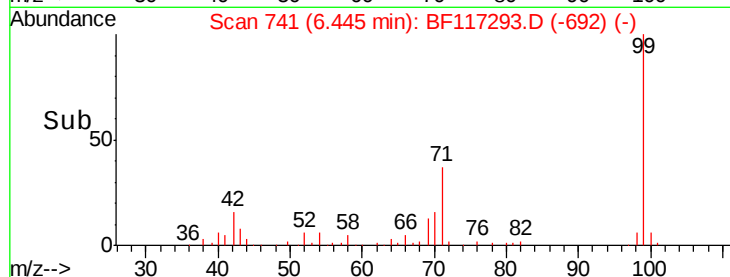
71 36.8 29.8 44.8



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: 6.58 min Scan# 764

Delta R.T. 0.21 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

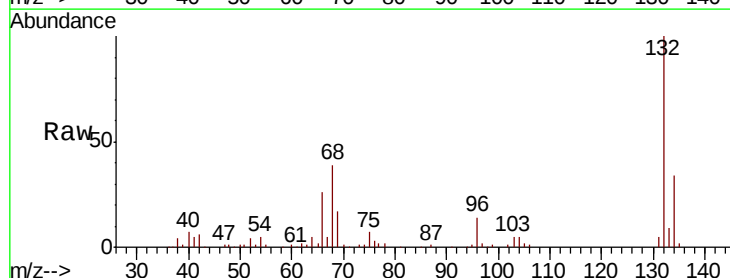
Tgt Ion: 77 Resp: 2646

Ion Ratio Lower Upper

77 100

105 72.5 81.8 121.8#

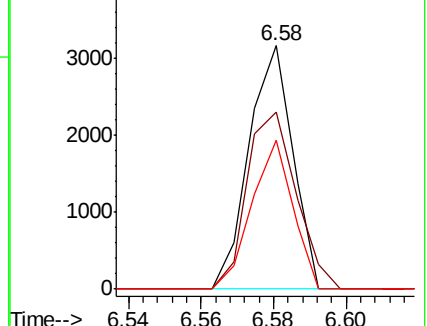
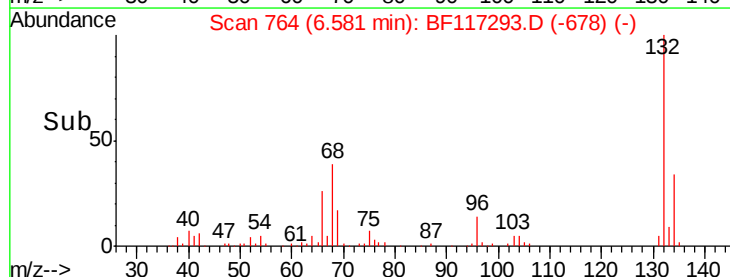
106 61.2 77.3 117.3#



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

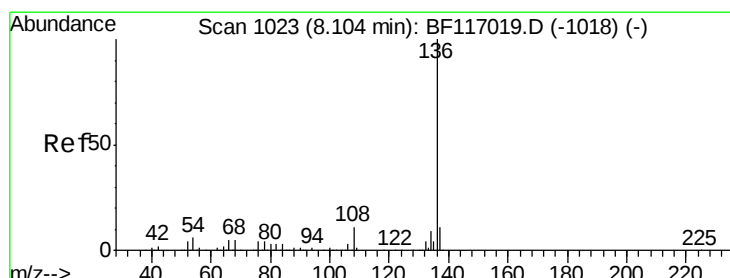
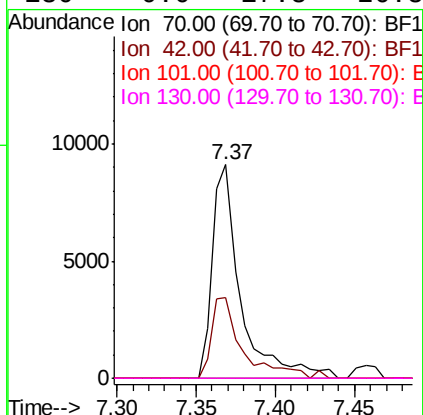
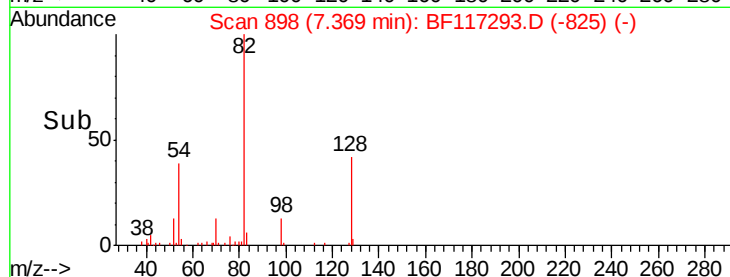
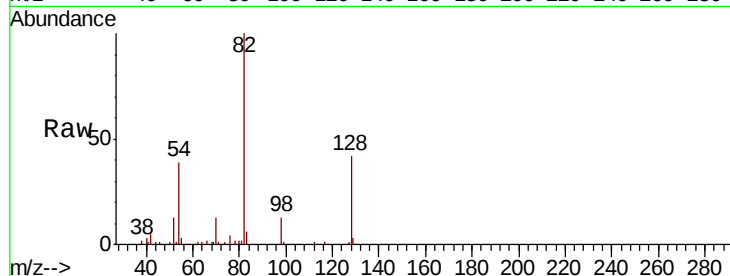




#19
n-Nitroso-di-n-propylamine
Concen: 5.674 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.13 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

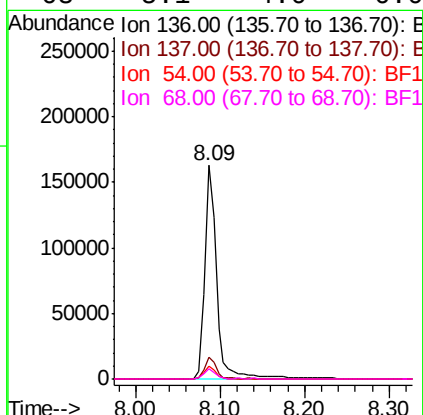
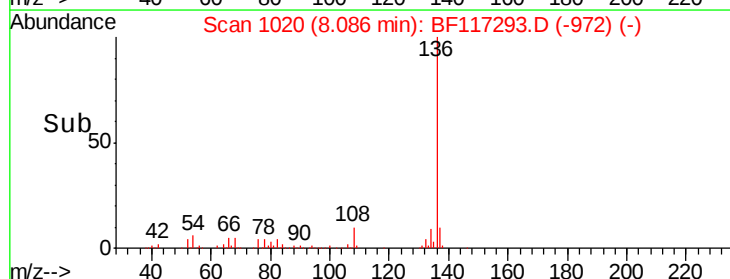
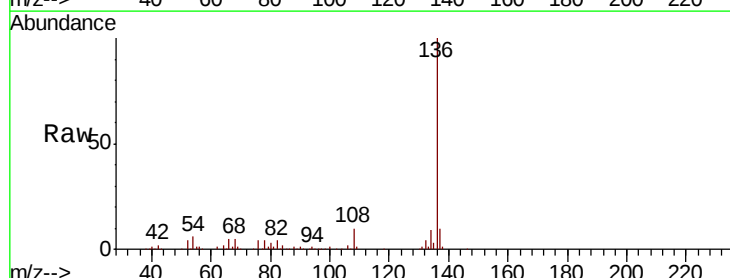
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 11358
Ion Ratio Lower Upper
70 100
42 37.5 34.0 51.0
101 0.0 7.8 11.6#
130 0.0 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: BF117293.D
Acq: 2 Oct 2019 12:24

Tgt Ion: 136 Resp: 160459
Ion Ratio Lower Upper
136 100
137 10.1 9.0 13.4
54 6.0 4.5 6.7
68 5.1 4.0 6.0

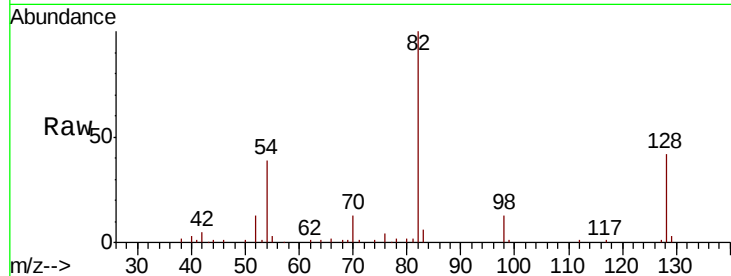




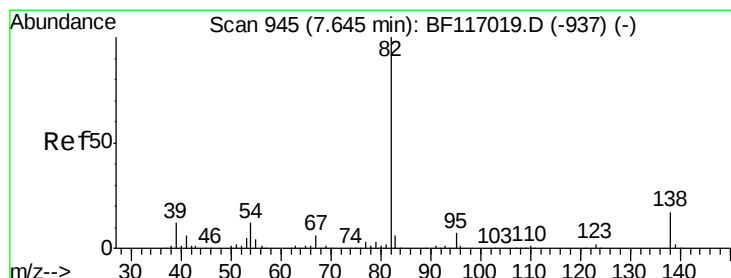
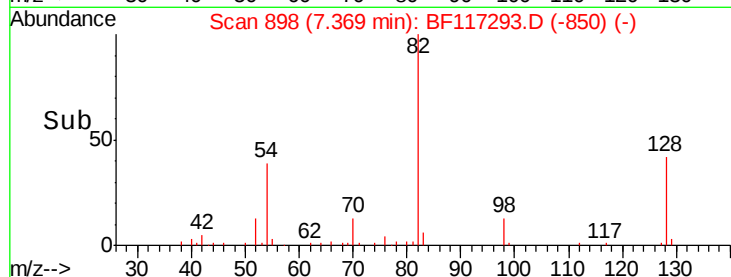
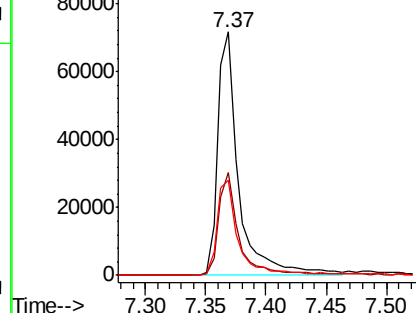
#23
Nitrobenzene-d5
Concen: 28.035 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

Instrument :
BNA_F
ClientSampleID :

Tot Ion	82	Resp	85617
Ion Ratio	100	Lower	Upper
128	42.1	32.3	48.5
54	39.3	33.3	49.9

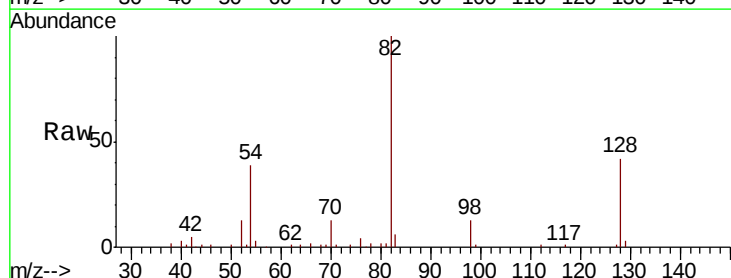


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

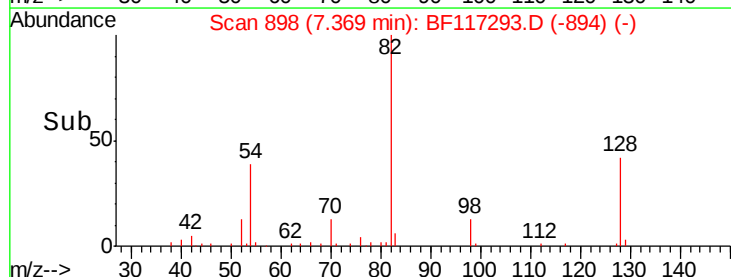
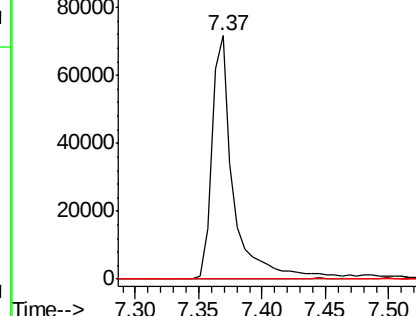


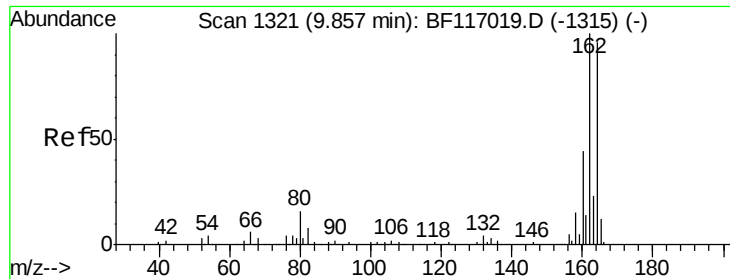
#25
Isophorone
Concen: 15.834 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.28 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

Tgt Ion	82	Resp	85617
Ion Ratio	100	Lower	Upper
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

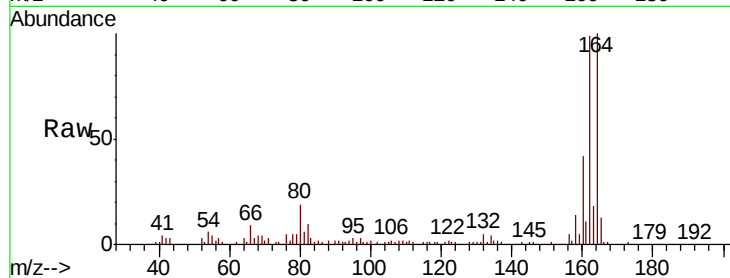




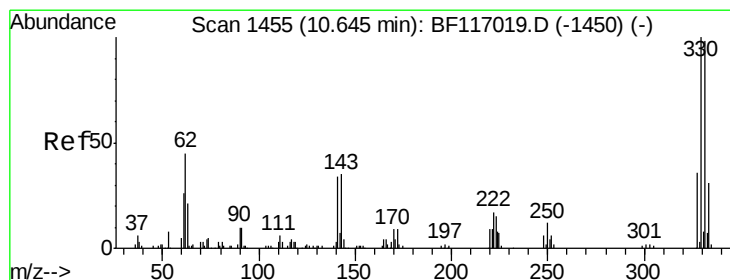
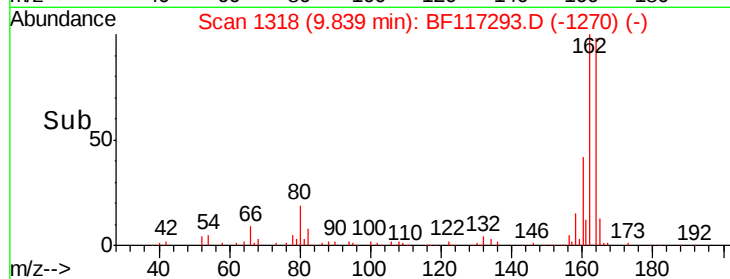
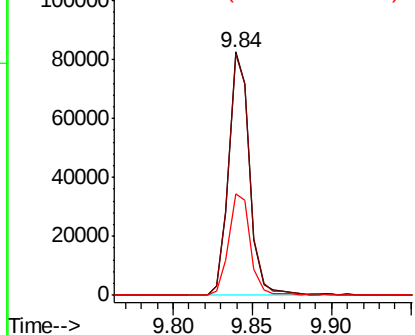
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: BF117293.D
 Acq: 2 Oct 2019 12:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.8	83.4	125.2
160	41.5	36.4	54.6

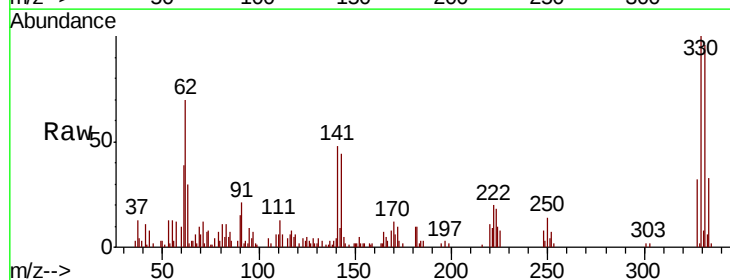


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

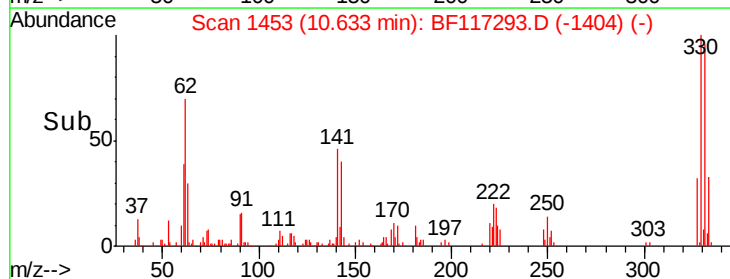
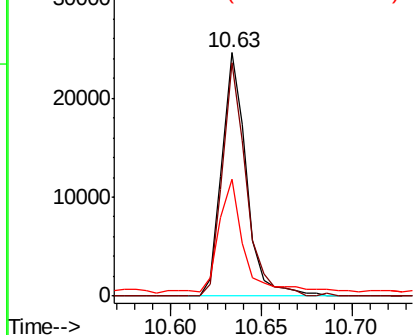


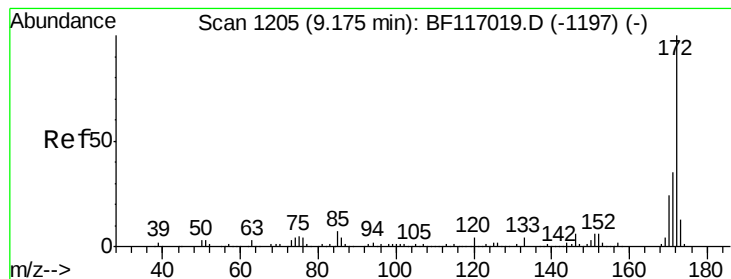
#42
 2,4,6-Tribromophenol
 Concen: 36.944 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF117293.D
 Acq: 2 Oct 2019 12:24

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.0	78.0	117.0
141	49.2	35.8	53.6



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: 32.178 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

Instrument :

BNA_F

ClientSampleId :

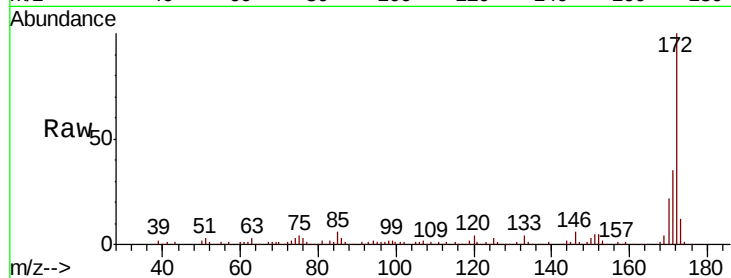
Tot Ion:172 Resp: 155158

Ion Ratio Lower Upper

172 100

171 34.7 28.2 42.2

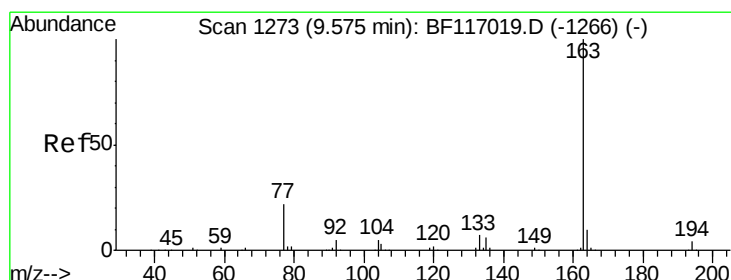
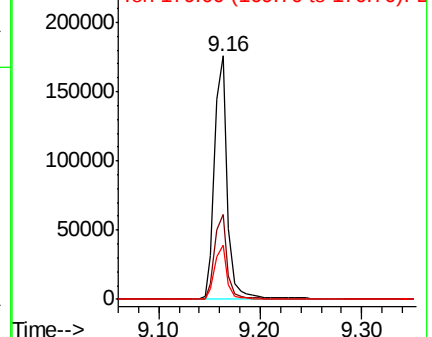
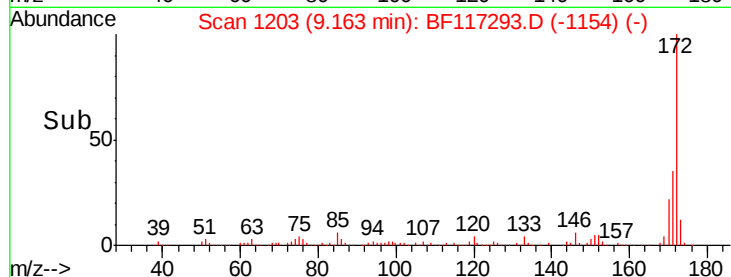
170 22.5 18.9 28.3



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: 5.114 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

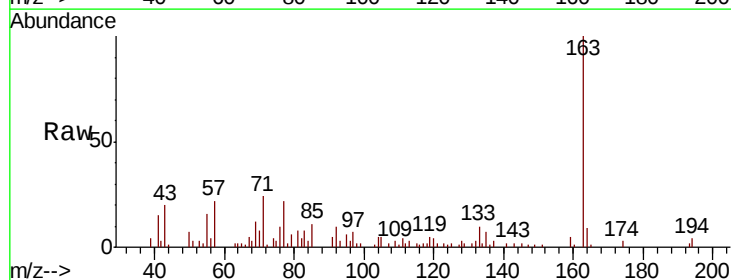
Tgt Ion:163 Resp: 27297

Ion Ratio Lower Upper

163 100

194 4.2 2.9 4.3

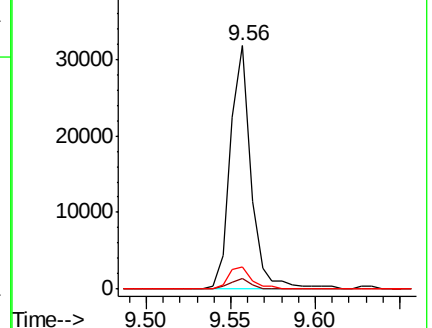
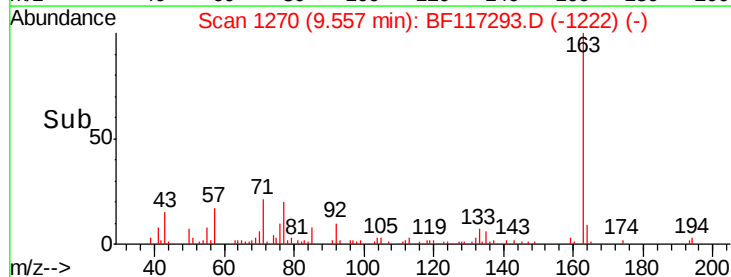
164 9.1 8.2 12.4

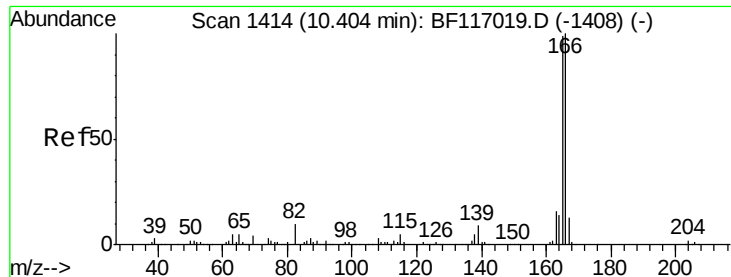


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

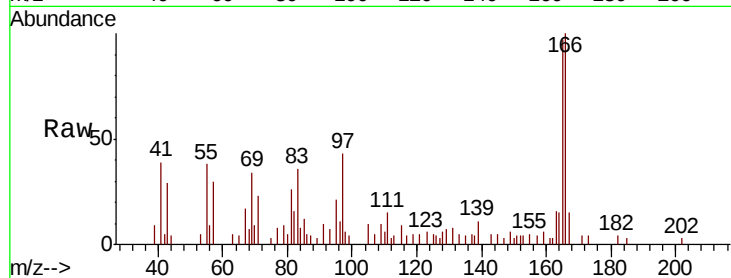




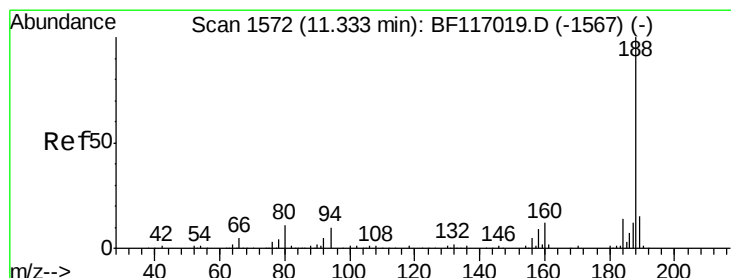
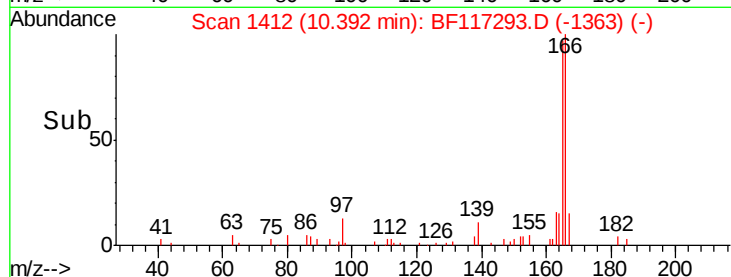
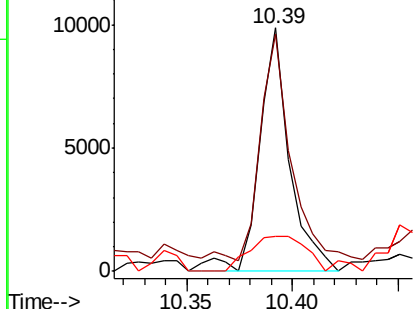
#58
 Fluorene
 Concen: 2.013 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF117293.D
 Acq: 2 Oct 2019 12:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:166 Resp: 9914
 Ion Ratio Lower Upper
 166 100
 165 97.5 78.9 118.3
 167 14.6 10.6 15.8

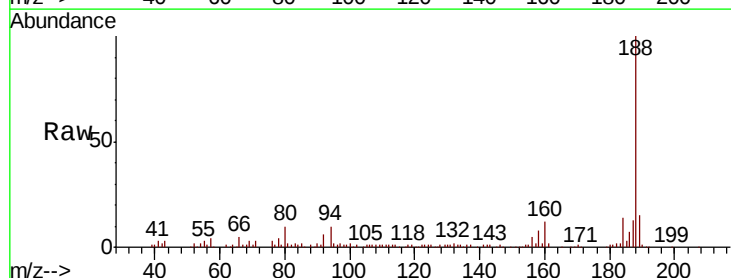


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

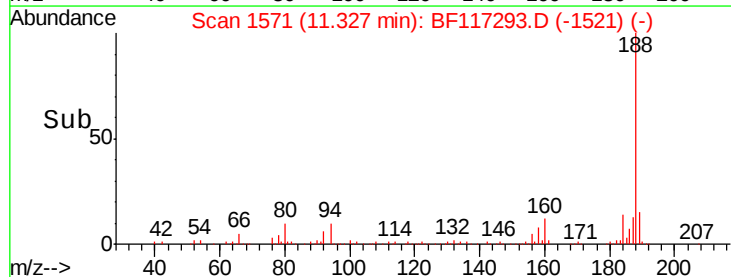
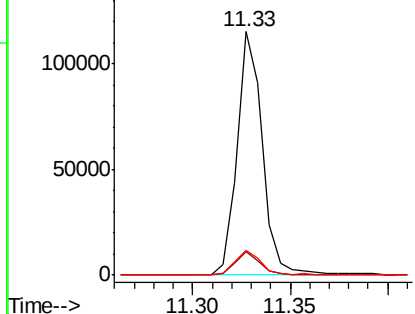


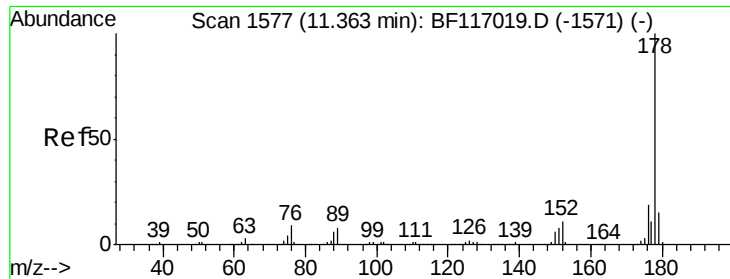
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF117293.D
 Acq: 2 Oct 2019 12:24

Tgt Ion:188 Resp: 103186
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.2 12.2
 80 10.3 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

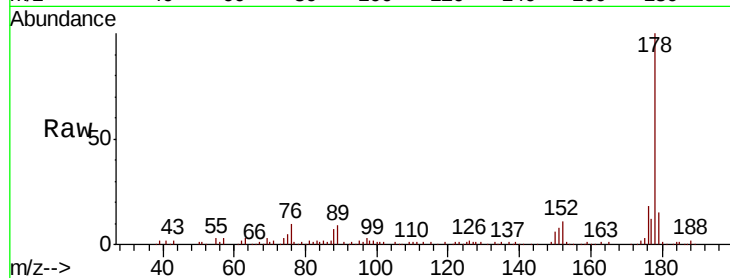




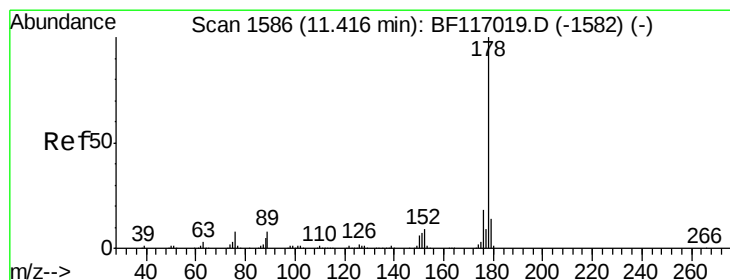
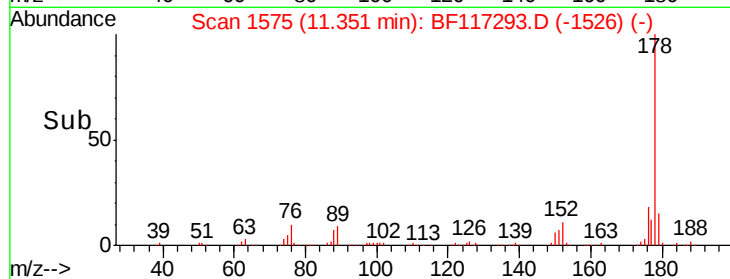
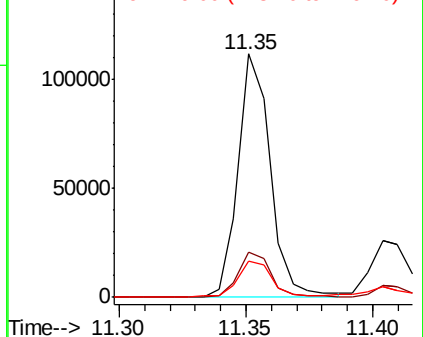
#71
Phenanthrene
Concen: 16.847 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 98737
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.2
179 15.1 12.4 18.6

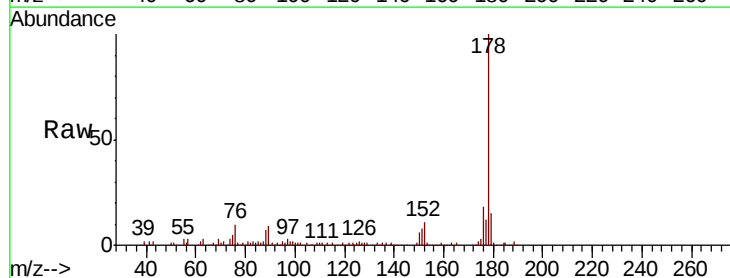


Abundance Ion 178.00 (177.70 to 178.70): E
150000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

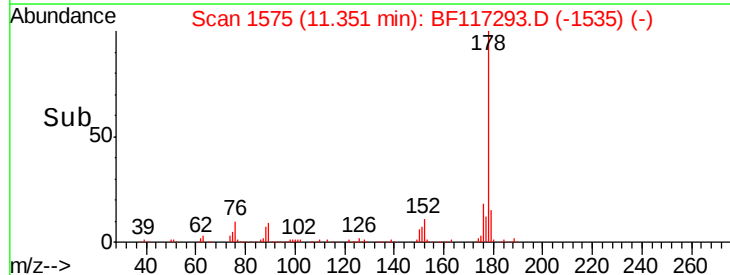
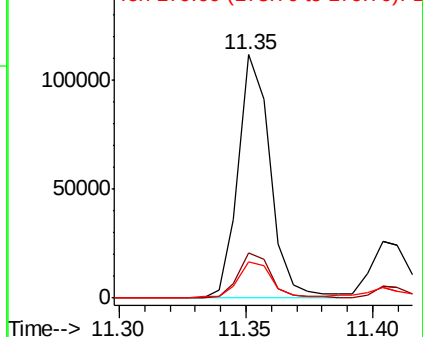


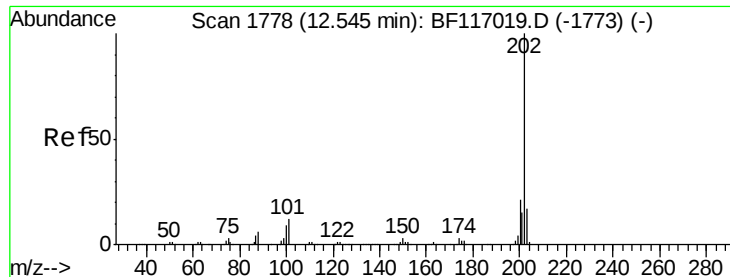
#72
Anthracene
Concen: 16.501 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.06 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

Tgt Ion:178 Resp: 98737
Ion Ratio Lower Upper
178 100
176 18.4 14.6 21.8
179 15.1 11.6 17.4



Abundance Ion 178.00 (177.70 to 178.70): E
150000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

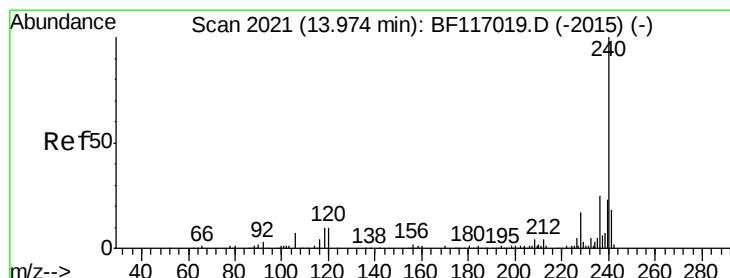
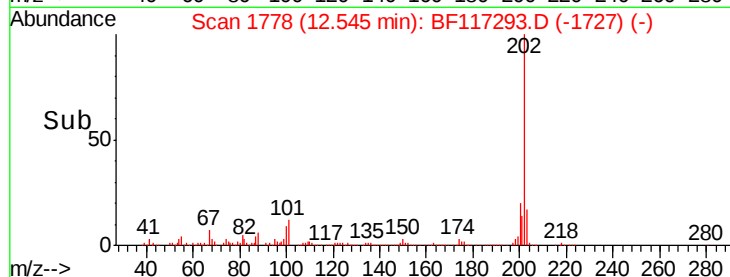
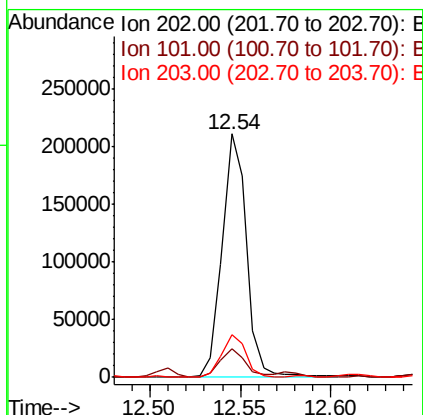
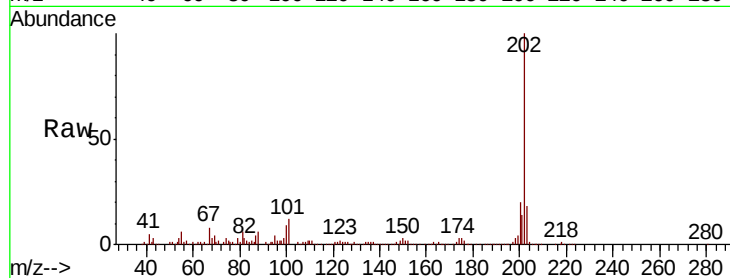




#75
Fluoranthene
Concen: 32.855 ng
RT: 12.54 min Scan# 1778
Delta R.T. 0.00 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

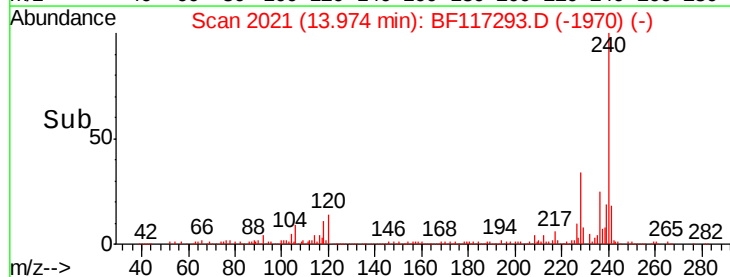
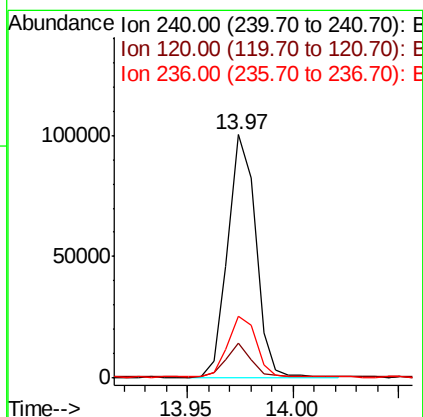
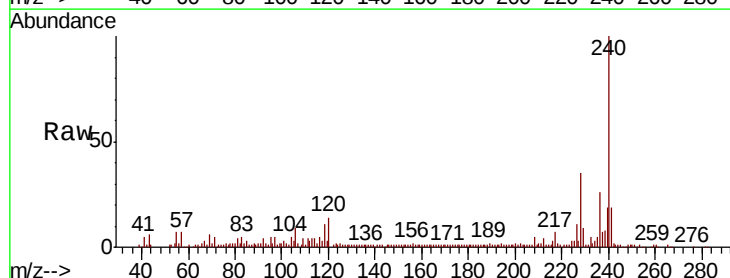
Instrument :
BNA_F
ClientSampleId :

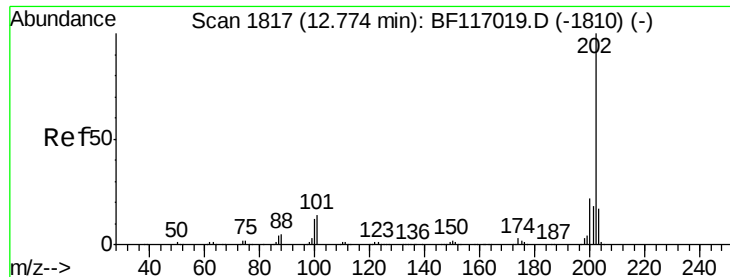
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	32.3
203	17.6	0.0	37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.1	8.3	12.5#
236	25.5	20.3	30.5

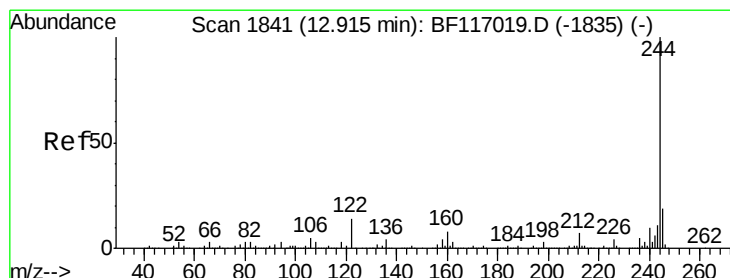
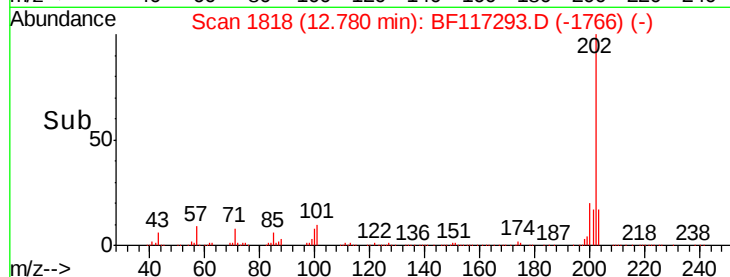
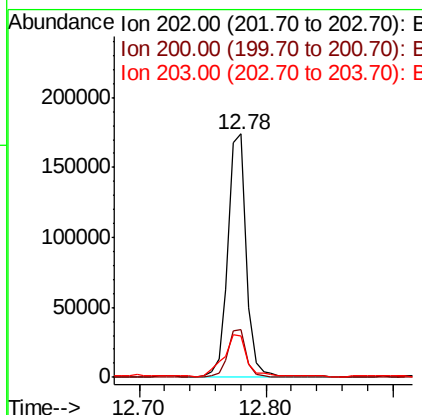
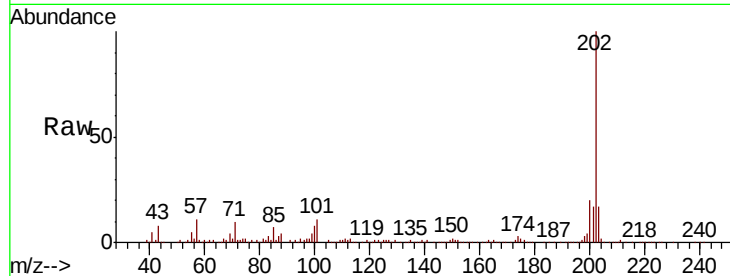




#78
Pvrene
Concen: 22.167 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.01 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

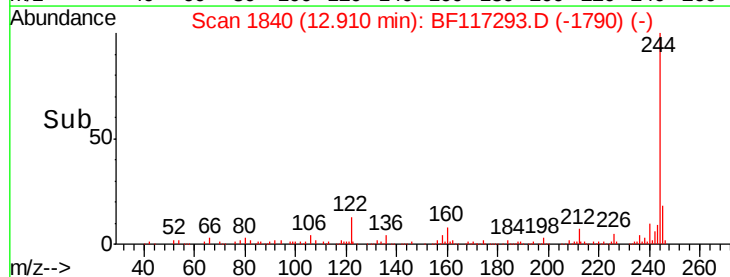
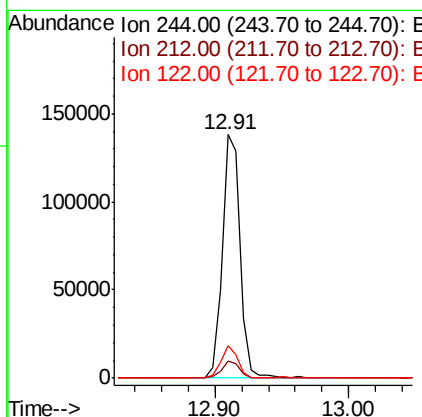
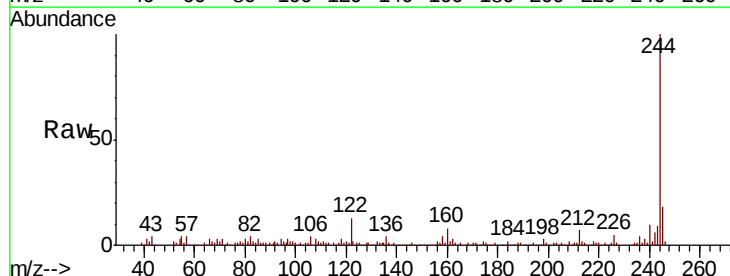
Instrument :
BNA_F
ClientSampleId :

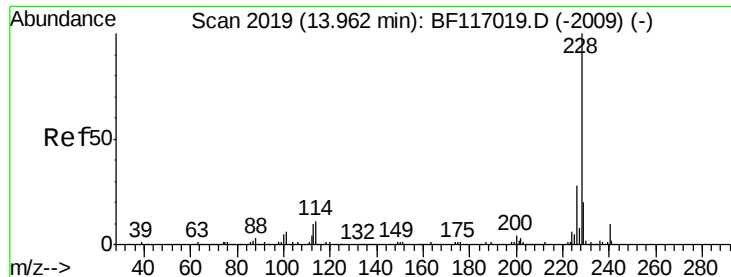
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.2	25.8
203	17.1	14.0	21.0



#79
Terphenyl-d14
Concen: 26.142 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	13.1	11.3	16.9





#81

Benzo(a)anthracene

Concen: 14.818 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

Instrument :

BNA_F

ClientSampled :

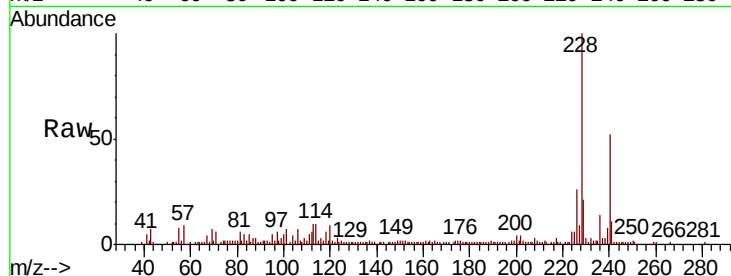
Tot Ion:228 Resp: 92003

Ion Ratio Lower Upper

228 100

226 26.5 22.3 33.5

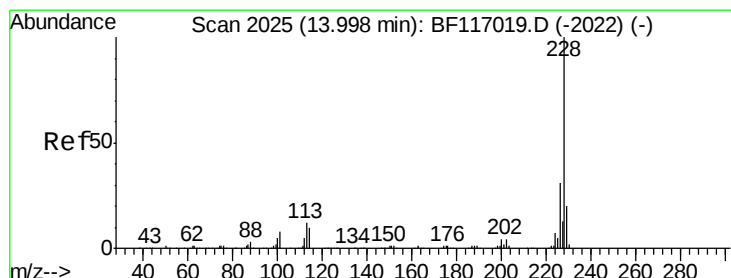
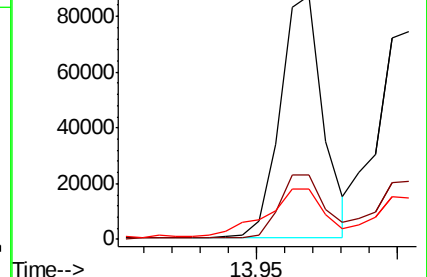
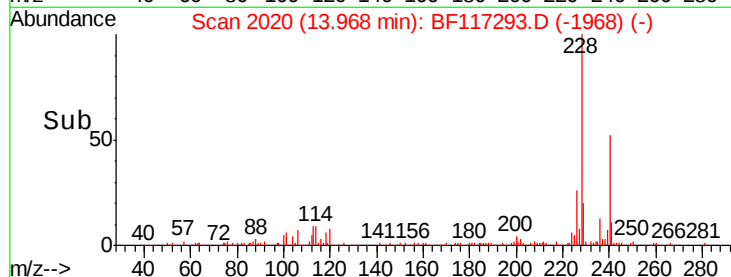
229 20.7 15.9 23.9



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: 13.880 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

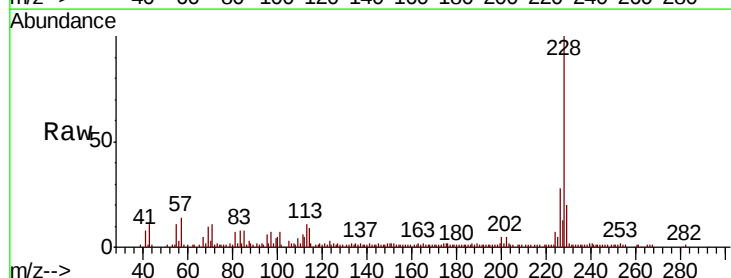
Tgt Ion:228 Resp: 84057

Ion Ratio Lower Upper

228 100

226 27.6 24.8 37.2

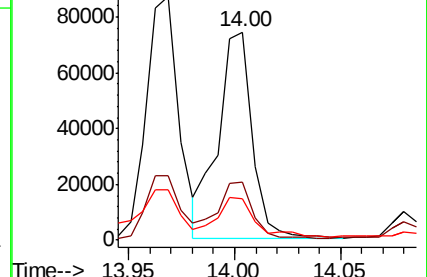
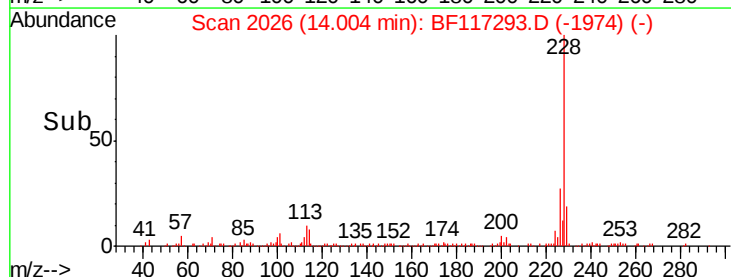
229 19.6 15.8 23.8

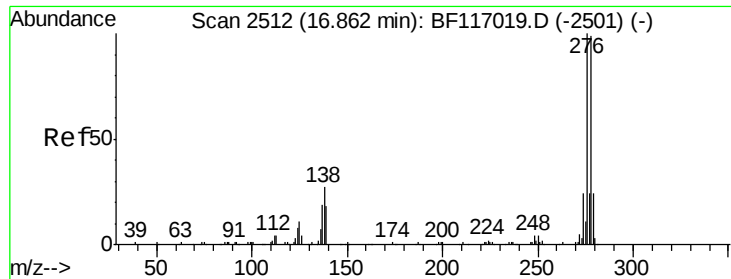


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 6.894 ng

RT: 16.90 min Scan# 2518

Delta R.T. 0.04 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

Instrument :

BNA_F

ClientSampleId :

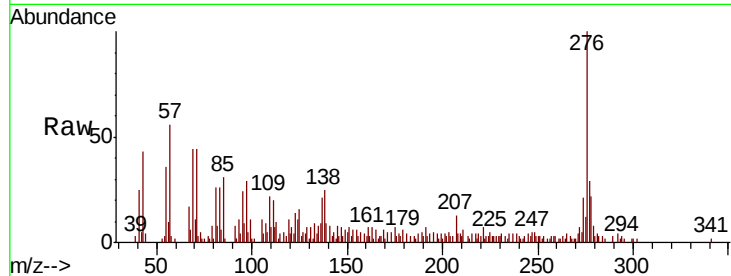
Tot Ion:276 Resp: 30459

Ion Ratio Lower Upper

276 100

138 25.3 20.7 31.1

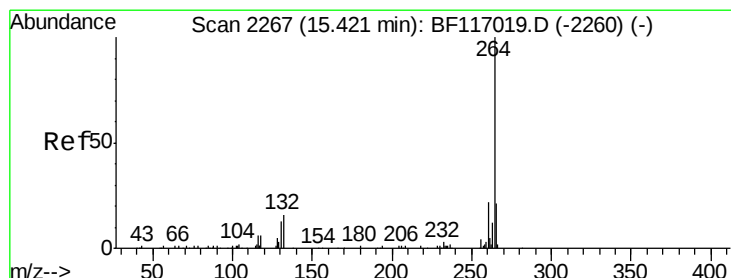
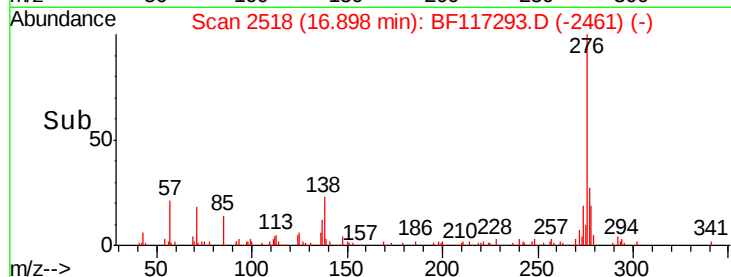
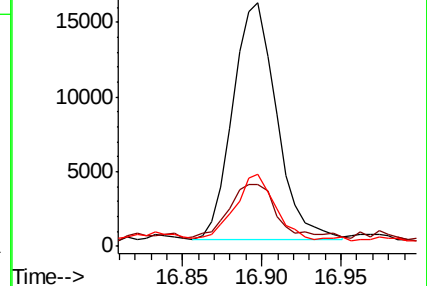
277 25.1 19.8 29.8



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: 15.44 min Scan# 2270

Delta R.T. 0.02 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

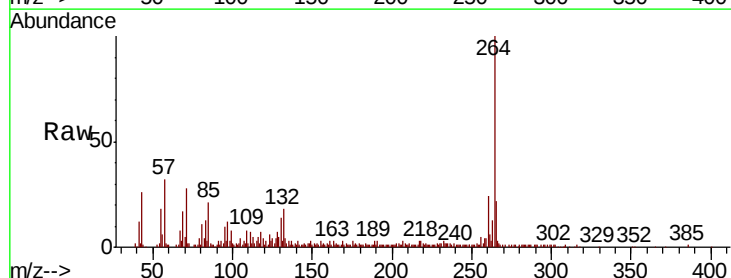
Tgt Ion:264 Resp: 94636

Ion Ratio Lower Upper

264 100

260 23.5 17.6 26.4

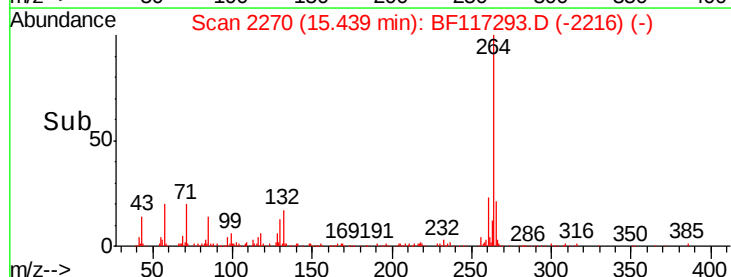
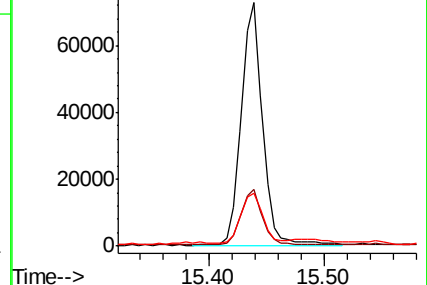
265 21.9 16.6 24.8

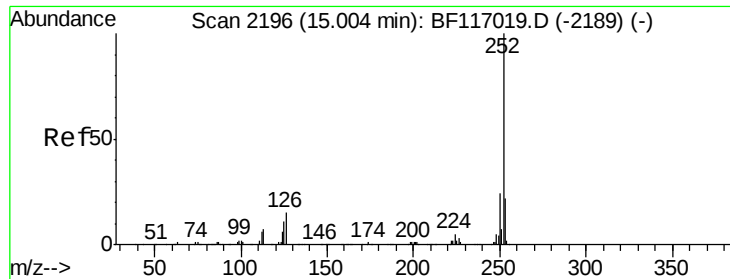


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

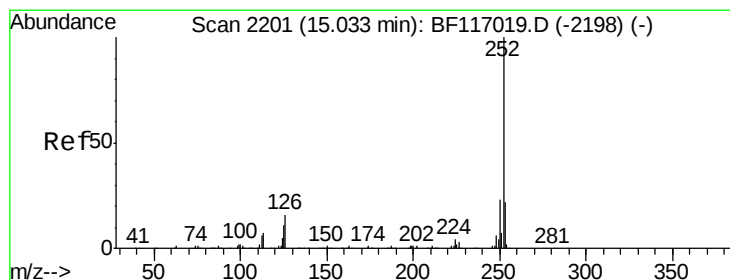
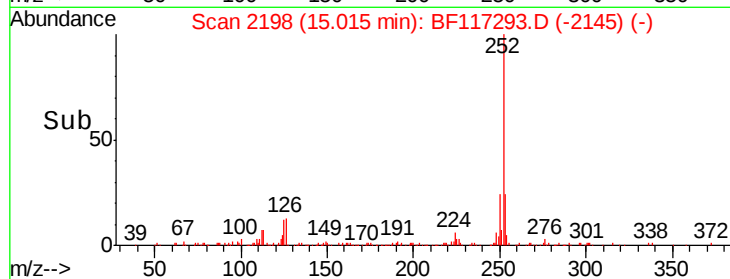
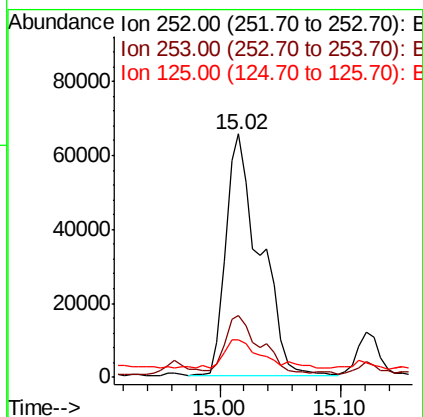
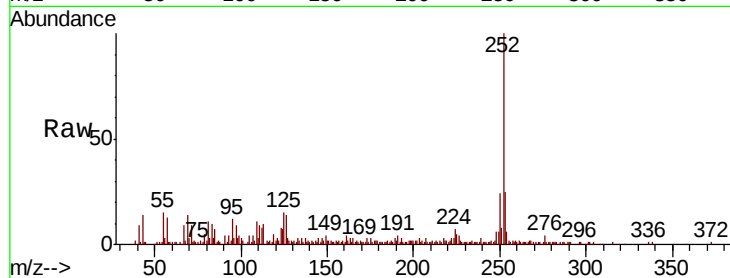




#88
Benzo(b)fluoranthene
Concen: 22.230 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

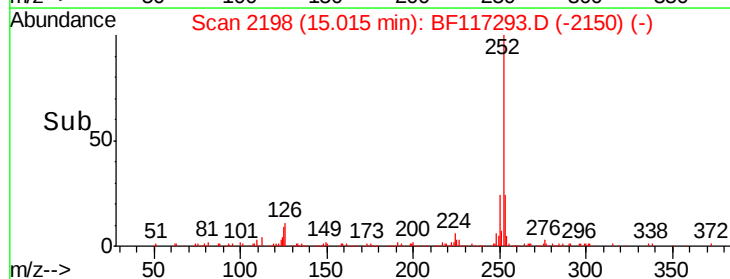
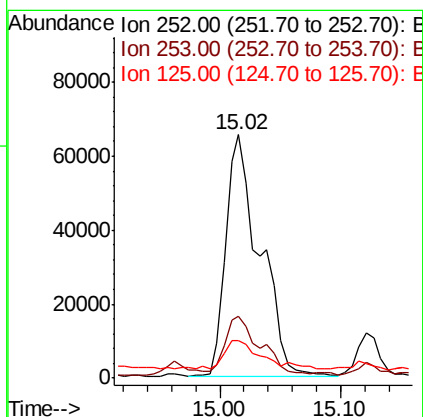
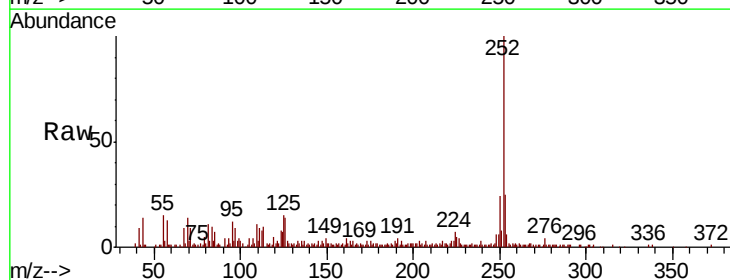
Instrument :
BNA_F
ClientSampleId :

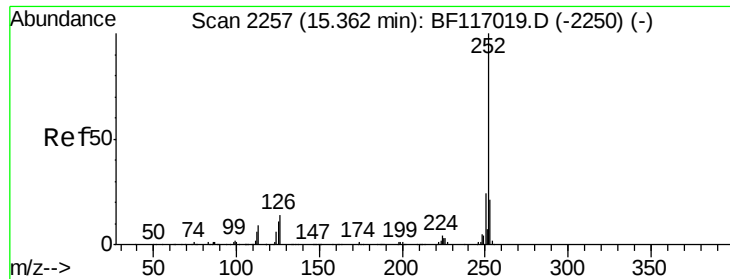
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.6	26.4
125	15.4	8.6	12.8#



#89
Benzo(k)fluoranthene
Concen: 23.467 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF117293.D
Acq: 2 Oct 2019 12:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.4	26.2
125	15.4	8.8	13.2#





#90

Benzo(a)pyrene

Concen: 12.240 ng

RT: 15.37 min Scan# 2259

Delta R.T. 0.01 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

Instrument :

BNA_F

ClientSampleId :

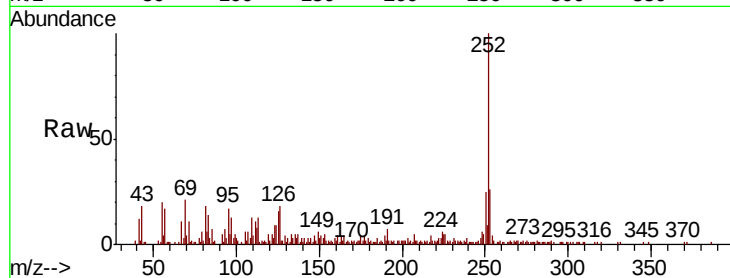
Tot Ion:252 Resp: 61569

Ion Ratio Lower Upper

252 100

253 26.5 16.6 25.0#

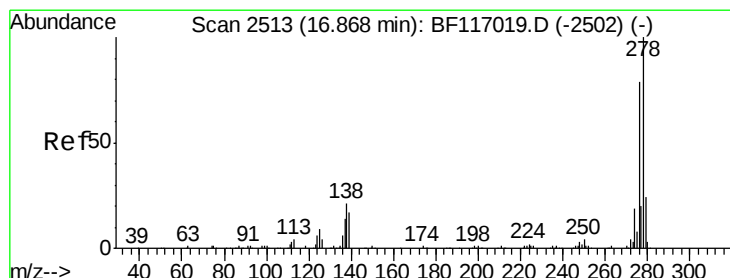
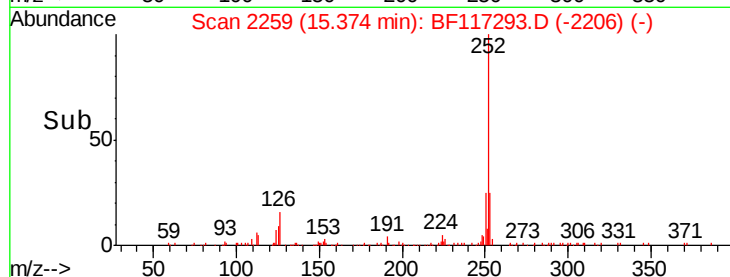
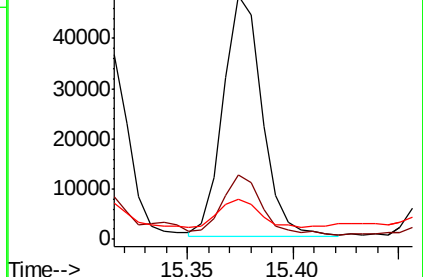
125 16.2 8.9 13.3#



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



#91

Dibenzo(a,h)anthracene

Concen: 2.013 ng

RT: 16.89 min Scan# 2517

Delta R.T. 0.02 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

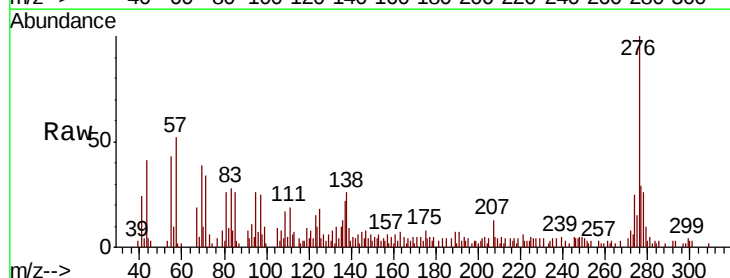
Tgt Ion:278 Resp: 8067

Ion Ratio Lower Upper

278 100

139 34.4 13.5 20.3#

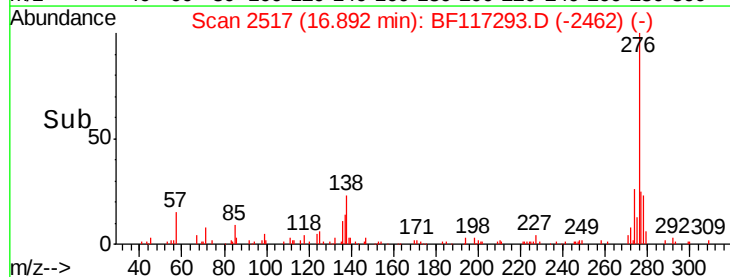
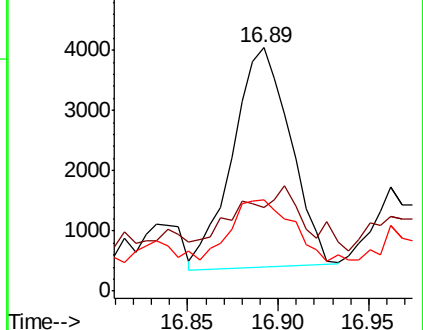
279 37.6 18.8 28.2#

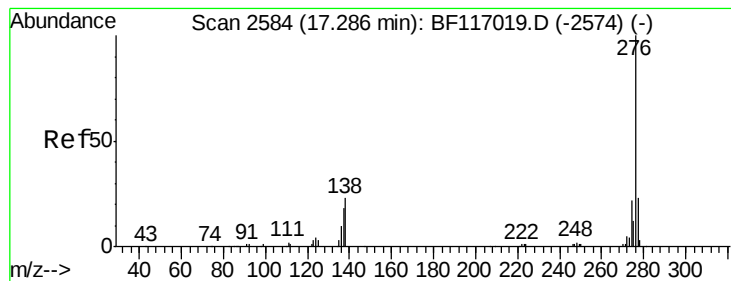


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 7.442 ng

RT: 17.34 min Scan# 2593

Delta R.T. 0.05 min

Lab File: BF117293.D

Acq: 2 Oct 2019 12:24

Instrument :

BNA_F

ClientSampleId :

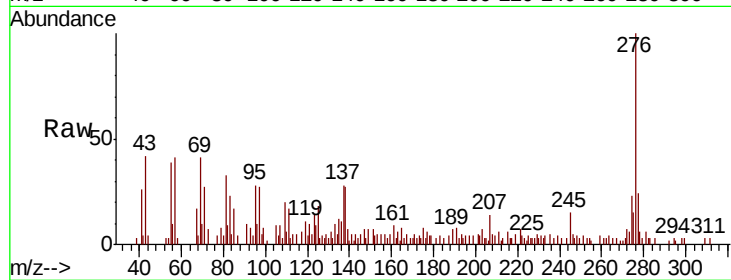
Tot Ion:276 Resp: 29717

Ion Ratio Lower Upper

276 100

277 23.8 18.6 27.8

138 27.4 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

