

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100119\
 Data File : BF117286.D
 Acq On : 1 Oct 2019 19:35
 Operator : JU
 Sample : K4663-10 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 02 05:58:47 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

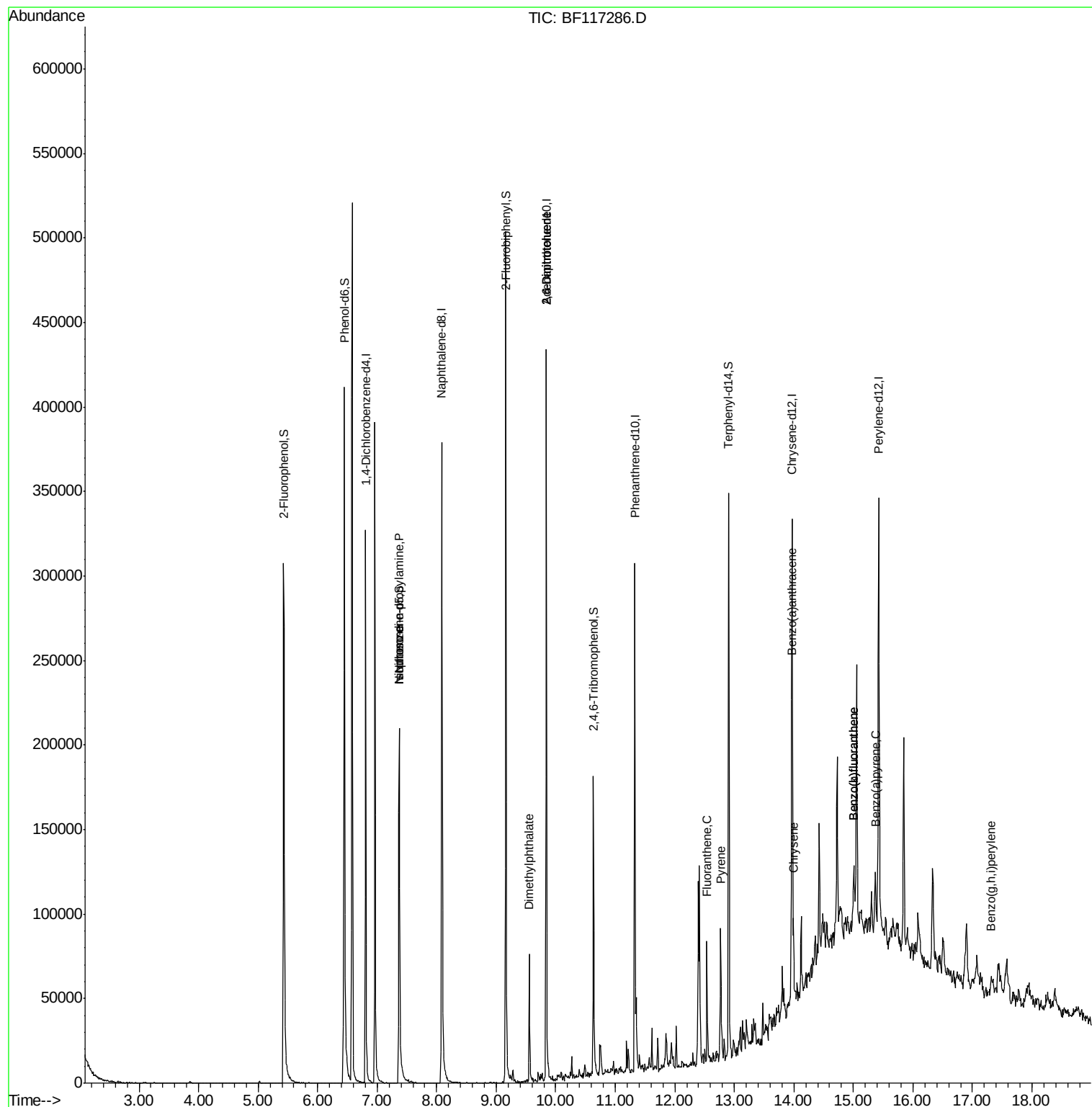
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	52032	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	206757	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	92067	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	117924	20.00	ng	0.00
76) Chrysene-d12	13.97	240	85265	20.00	ng	0.00
87) Perylene-d12	15.43	264	71745	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	120386	36.12	ng	-0.01
7) Phenol-d6	6.45	99	164533	38.20	ng	-0.01
23) Nitrobenzene-d5	7.37	82	97424	24.76	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	22900	29.76	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	179225	30.44	ng	-0.01
79) Terphenyl-d14	12.91	244	116225	25.48	ng	0.00
Target Compounds						
9) Benzaldehyde	6.58	77	2997	Below Cal		Qvalue # 83
19) n-Nitroso-di-n-propylamine	7.37	70	12599	4.804 ng	#	81
25) Isophorone	7.37	82	97435	13.985 ng	#	66
50) Dimethylphthalate	9.56	163	33560	5.148 ng		99
51) 2,6-Dinitrotoluene	9.84	165	11471	8.640 ng	#	24
57) 2,4-Dinitrotoluene	9.84	165	11471	6.656 ng	#	18
75) Fluoranthene	12.54	202	32189	4.677 ng		97
78) Pyrene	12.77	202	32529	4.547 ng		99
81) Benzo(a)anthracene	13.96	228	17547	3.080 ng	#	91
83) Chrysene	14.00	228	19313	3.476 ng	#	92
88) Benzo(b)fluoranthene	15.01	252	23871	5.493 ng	#	85
89) Benzo(k)fluoranthene	15.01	252	23871	5.799 ng	#	85
90) Benzo(a)pyrene	15.37	252	12540	3.288 ng	#	87
92) Benzo(a,h,i)perylene	17.32	276	6810	2.249 ng	#	94

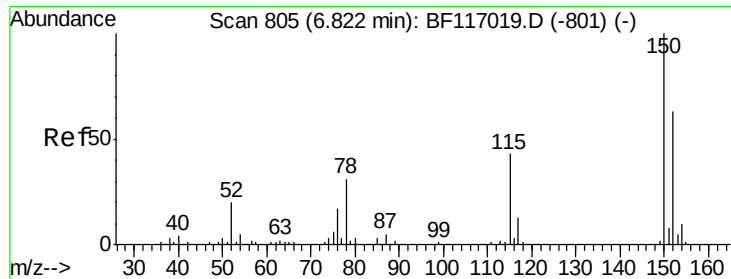
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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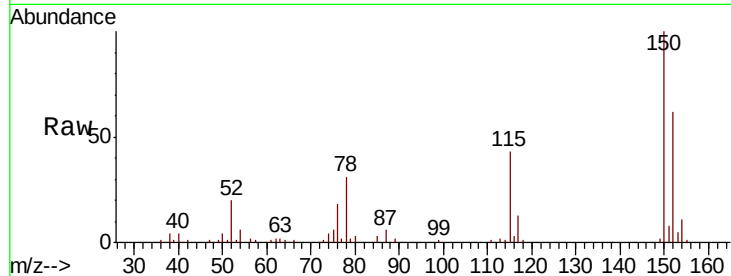


#1

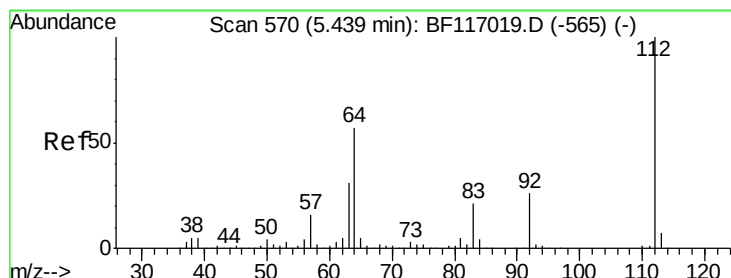
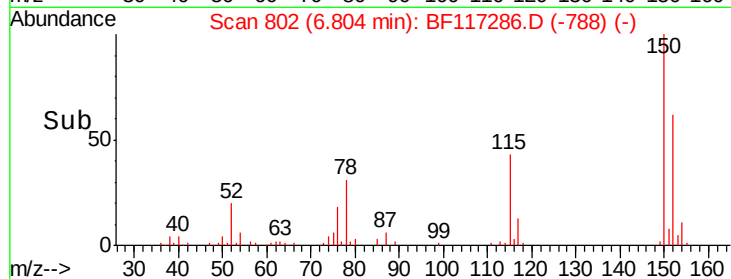
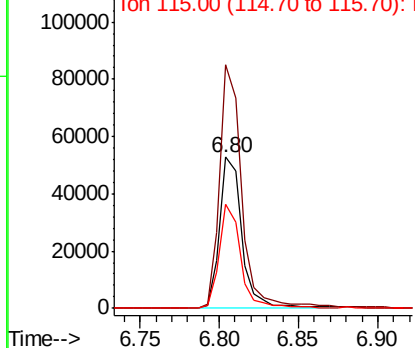
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF117286.D
Acq: 1 Oct 2019 19:35

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 52032
Ion Ratio Lower Upper
152 100
150 161.1 127.5 191.3
115 68.9 55.0 82.4



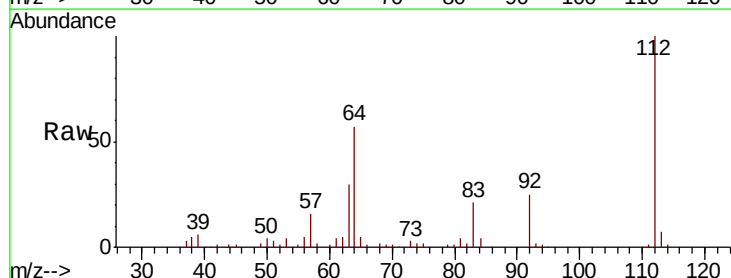
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



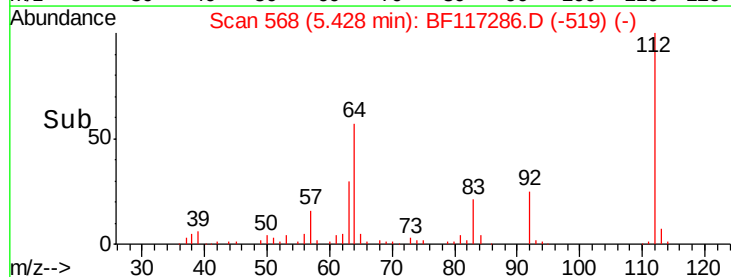
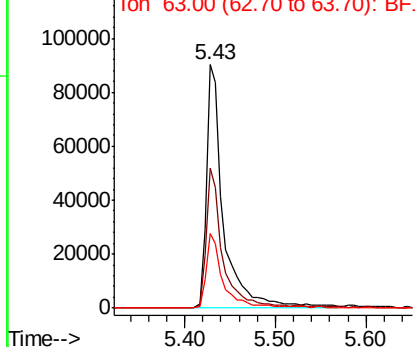
#5

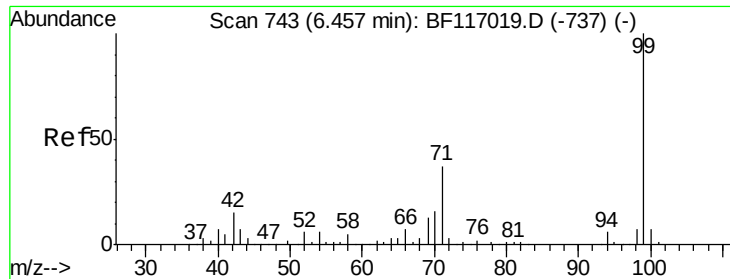
2-Fluorophenol
Concen: 36.122 ng
RT: 5.43 min Scan# 568
Delta R.T. -0.01 min
Lab File: BF117286.D
Acq: 1 Oct 2019 19:35

Tgt Ion:112 Resp: 120386
Ion Ratio Lower Upper
112 100
64 57.4 45.7 68.5
63 30.5 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: 38.201 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117286.D

Acq: 1 Oct 2019 19:35

Instrument :

BNA_F

ClientSampleId :

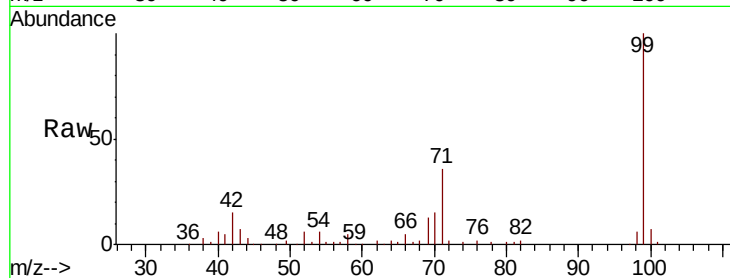
Tot Ion: 99 Resp: 164533

Ion Ratio Lower Upper

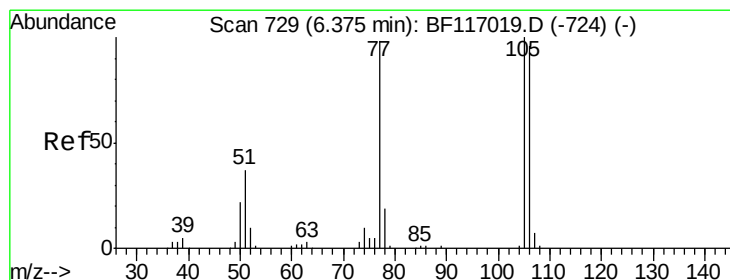
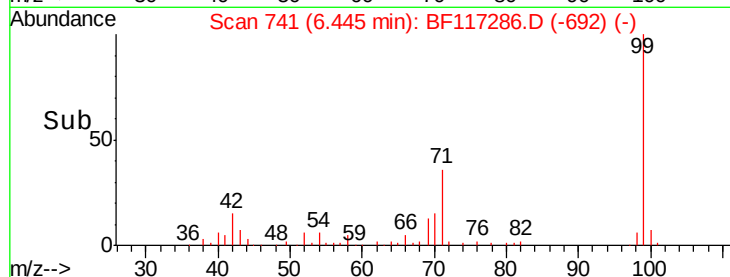
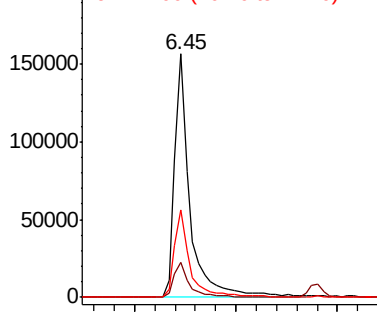
99 100

42 14.5 12.2 18.2

71 36.0 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: BF117286.D

Acq: 1 Oct 2019 19:35

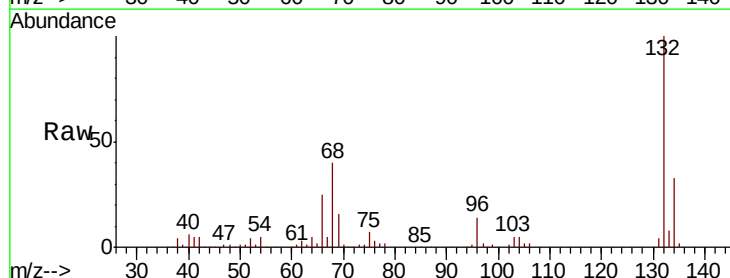
Tgt Ion: 77 Resp: 2997

Ion Ratio Lower Upper

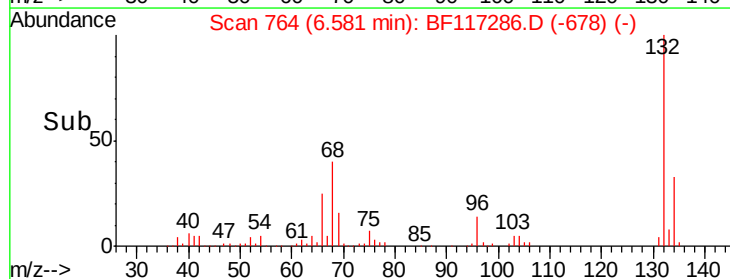
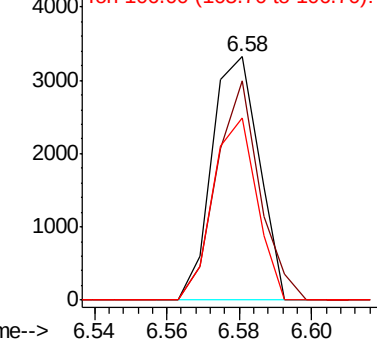
77 100

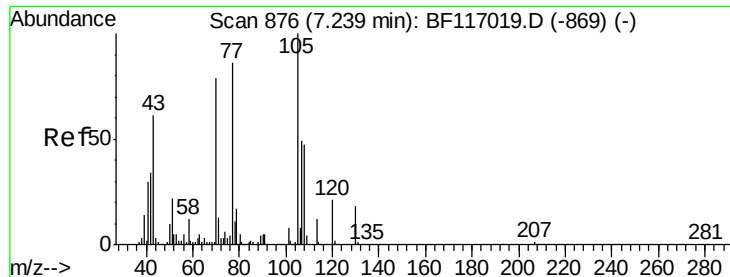
105 90.1 81.8 121.8

106 75.1 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

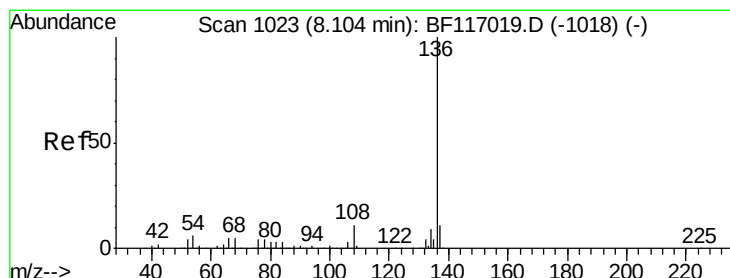
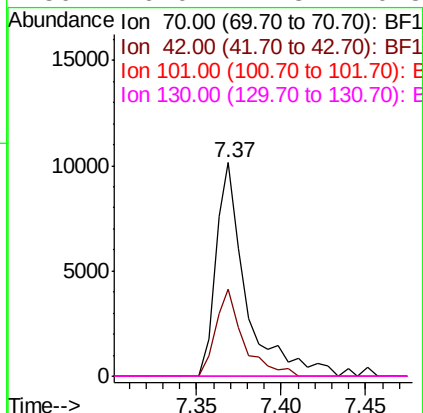
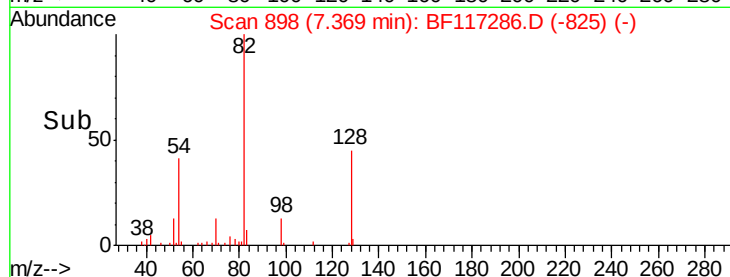
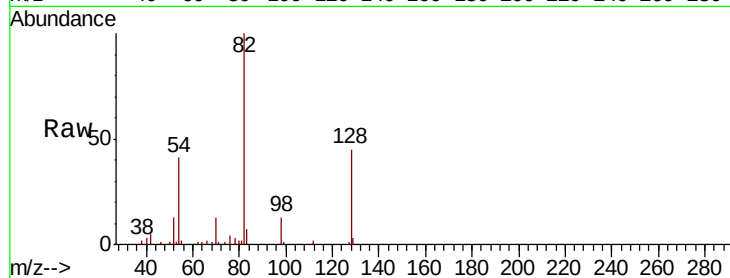




#19
n-Nitroso-di-n-propylamine
Concen: 4.804 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.13 min
Lab File: BF117286.D
Acq: 1 Oct 2019 19:35

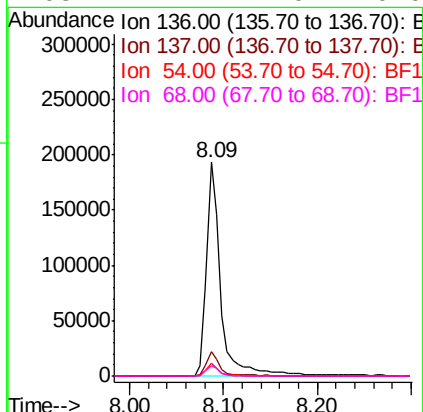
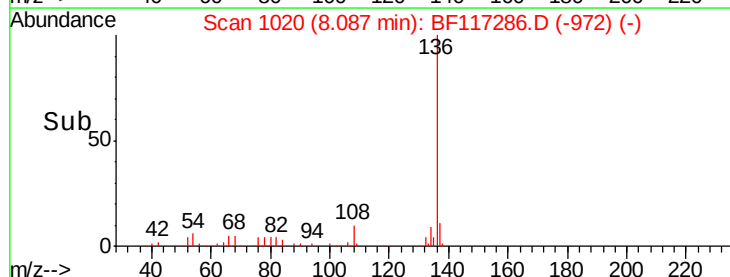
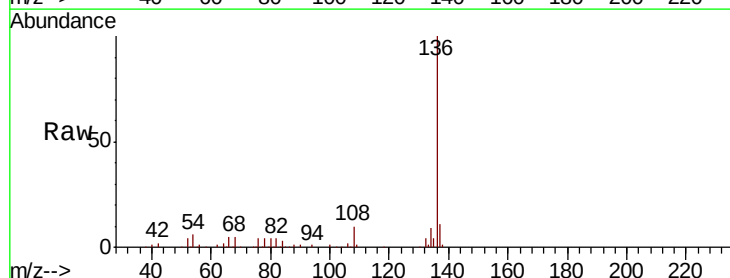
Instrument :
BNA_F
ClientSampleId :

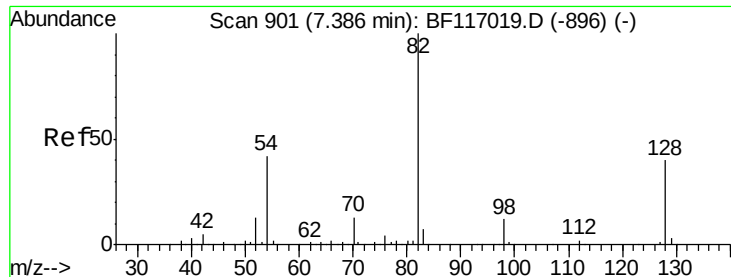
Tot Ion: 70 Resp: 12599
Ion Ratio Lower Upper
70 100
42 41.1 34.0 51.0
101 0.0 7.8 11.6#
130 0.0 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF117286.D
Acq: 1 Oct 2019 19:35

Tgt Ion: 136 Resp: 206757
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 5.9 4.5 6.7
68 4.7 4.0 6.0

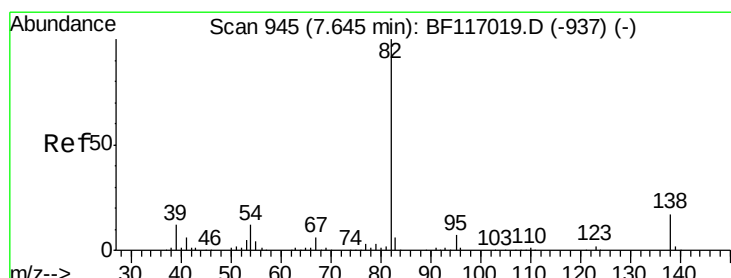
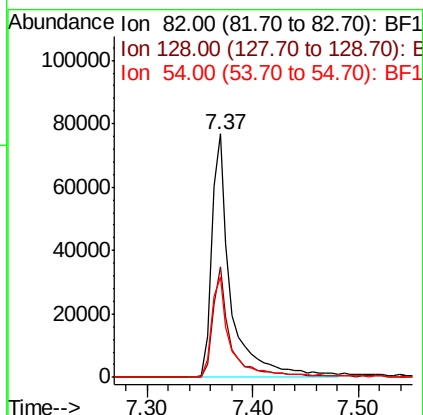
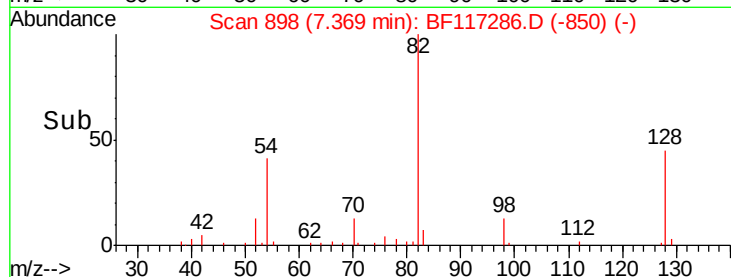
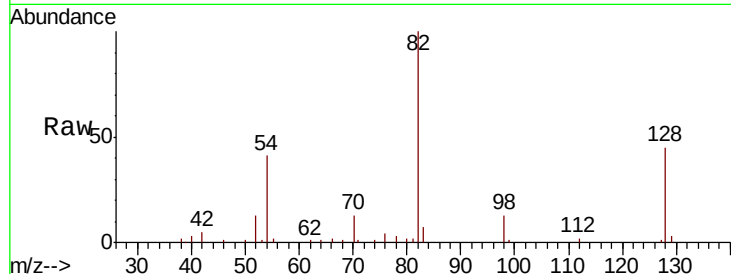




#23
Nitrobenzene-d5
Concen: 24.758 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF117286.D
Acq: 1 Oct 2019 19:35

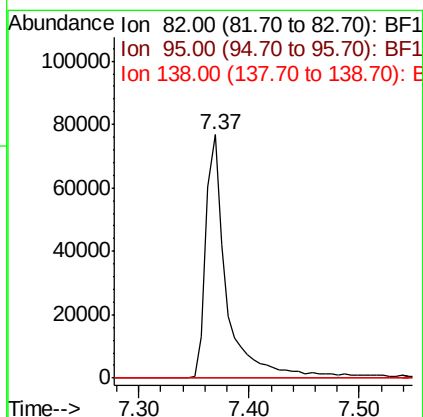
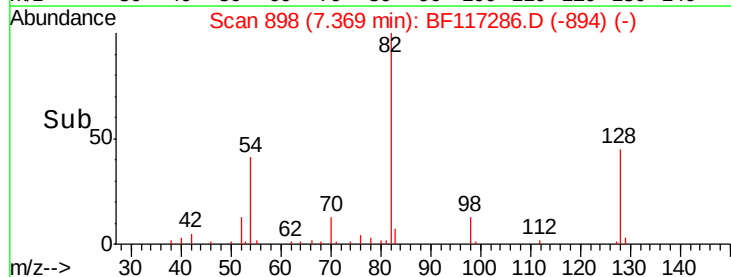
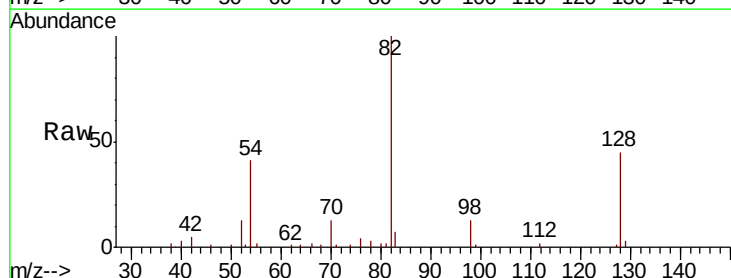
Instrument :
BNA_F
ClientSampleId :

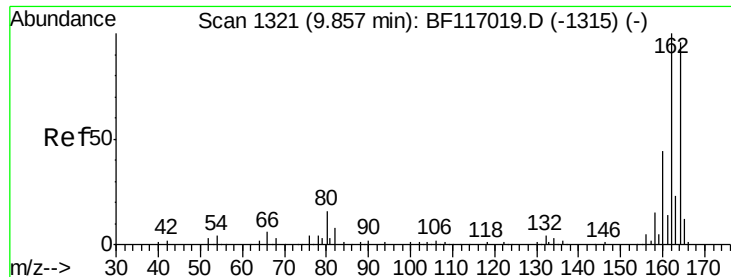
Tot Ion: 82 Resp: 97424
Ion Ratio Lower Upper
82 100
128 45.4 32.3 48.5
54 40.9 33.3 49.9



#25
Isophorone
Concen: 13.985 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.28 min
Lab File: BF117286.D
Acq: 1 Oct 2019 19:35

Tgt Ion: 82 Resp: 97435
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 13.5 20.3#

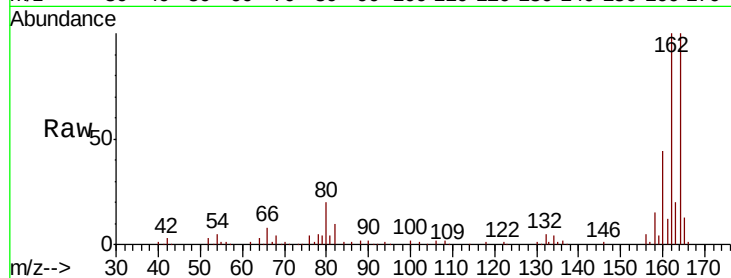




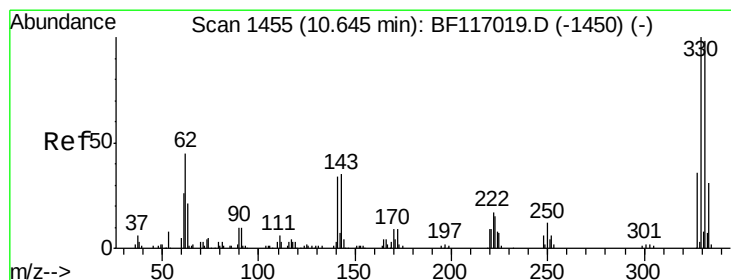
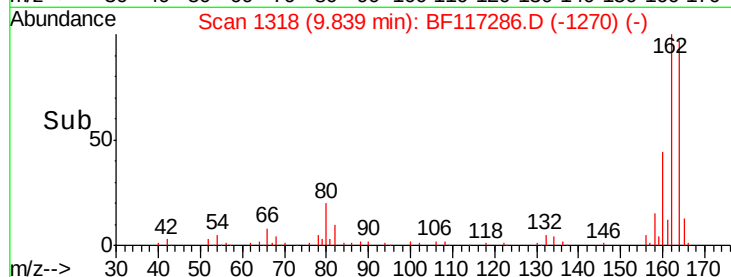
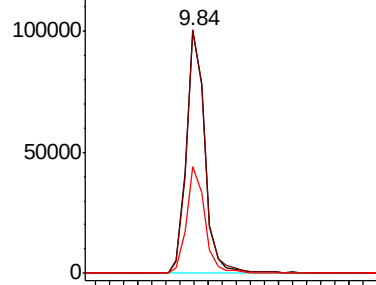
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF117286.D
Acq: 1 Oct 2019 19:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 92067
Ion Ratio Lower Upper
164 100
162 100.2 83.4 125.2
160 44.2 36.4 54.6

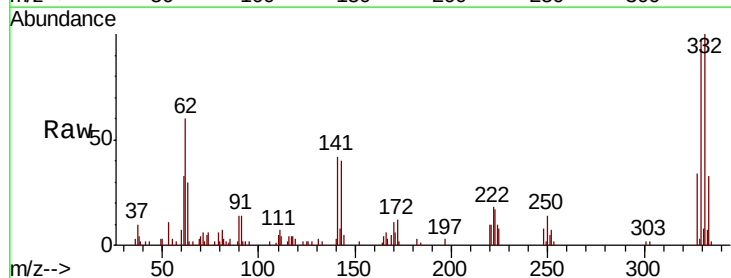


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

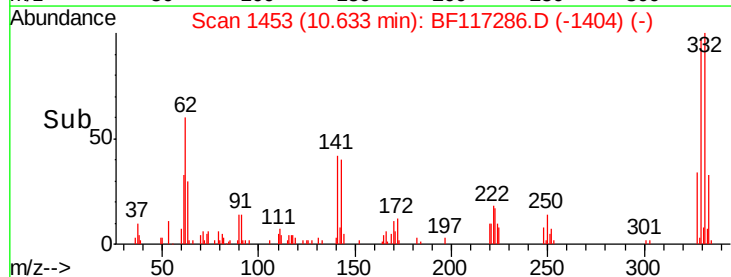
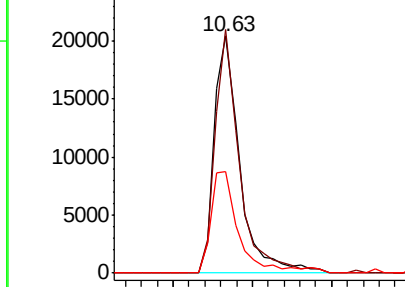


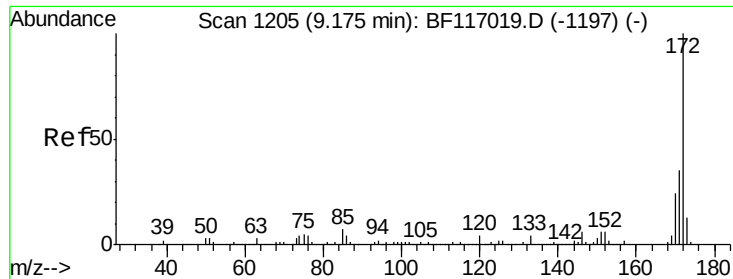
#42
2,4,6-Tribromophenol
Concen: 29.761 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF117286.D
Acq: 1 Oct 2019 19:35

Tgt Ion:330 Resp: 22900
Ion Ratio Lower Upper
330 100
332 97.4 78.0 117.0
141 46.8 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

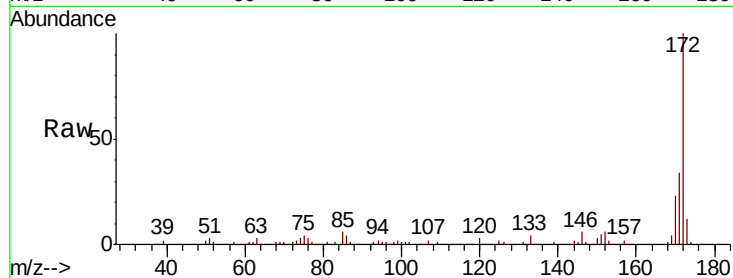




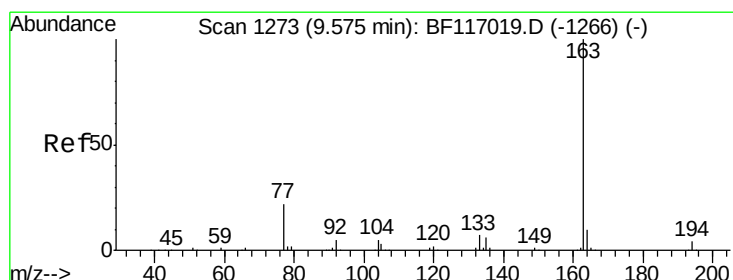
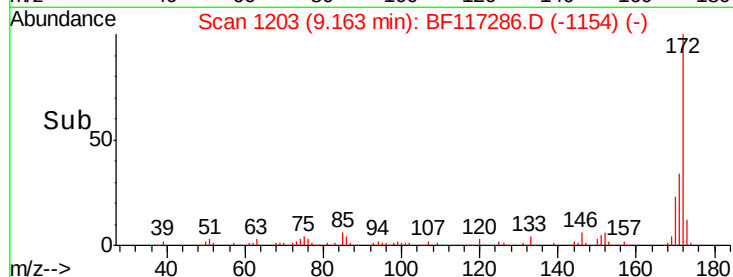
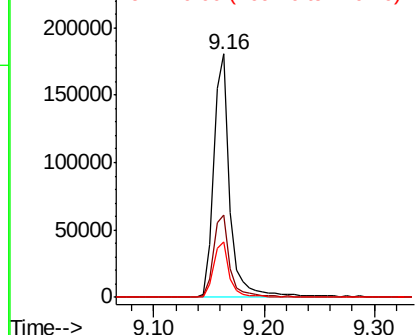
#45
2-Fluorobiphenyl
Concen: 30.438 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF117286.D
Acq: 1 Oct 2019 19:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 179225
Ion Ratio Lower Upper
172 100
171 34.0 28.2 42.2
170 22.7 18.9 28.3

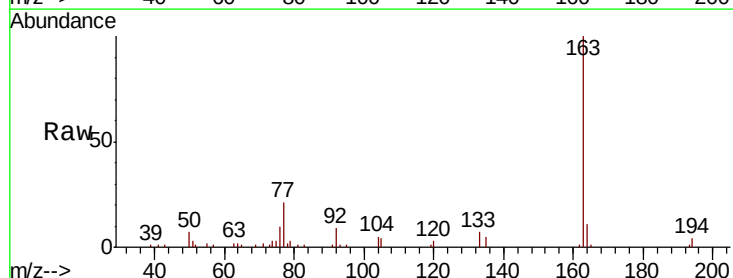


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

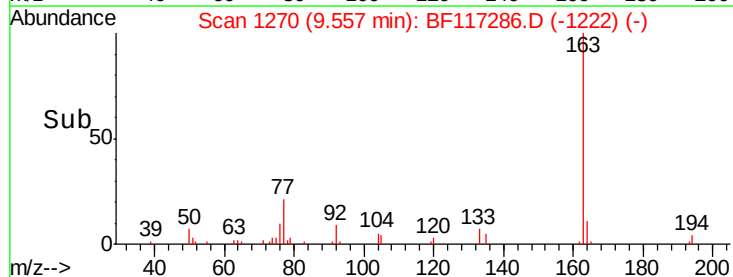
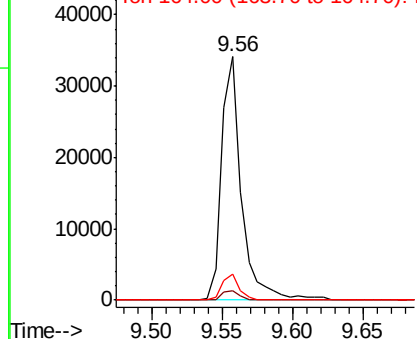


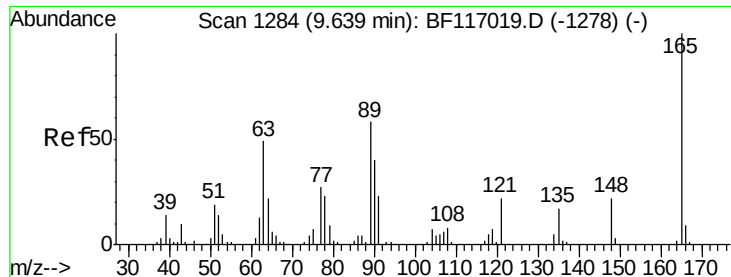
#50
Dimethylphthalate
Concen: 5.148 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF117286.D
Acq: 1 Oct 2019 19:35

Tgt Ion:163 Resp: 33560
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 10.7 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

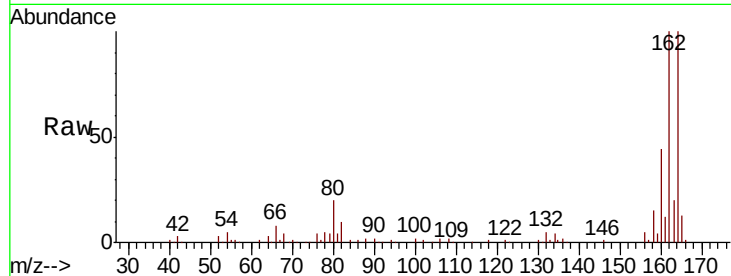




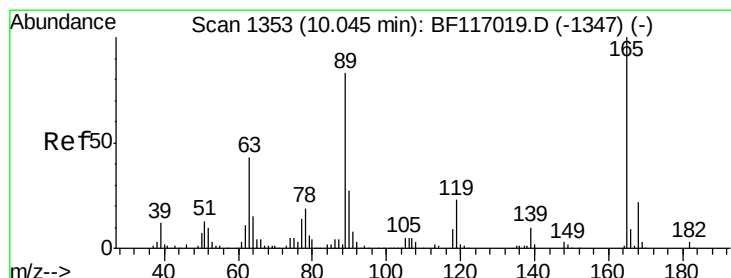
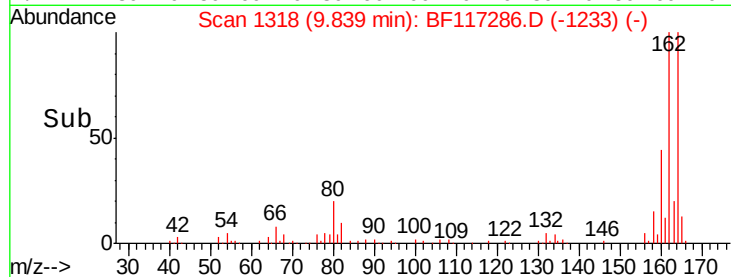
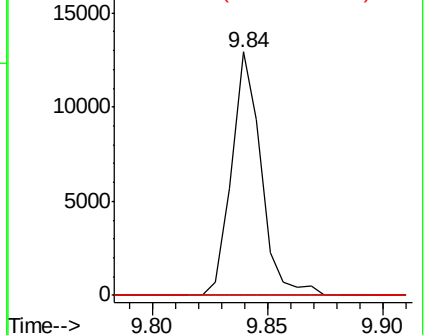
#51
 2,6-Dinitrotoluene
 Concen: 8.640 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.20 min
 Lab File: BF117286.D
 Acq: 1 Oct 2019 19:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#



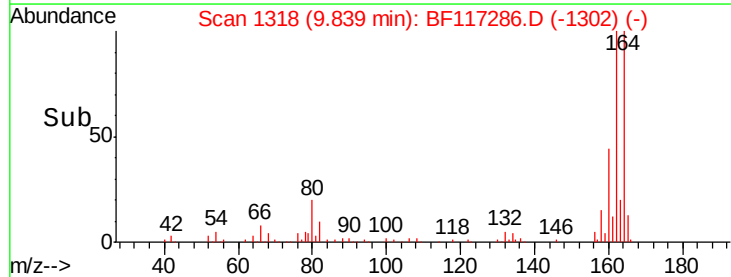
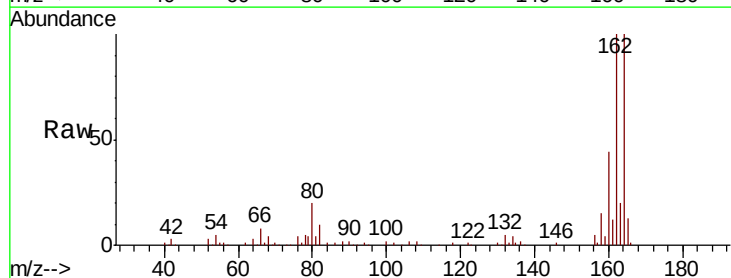
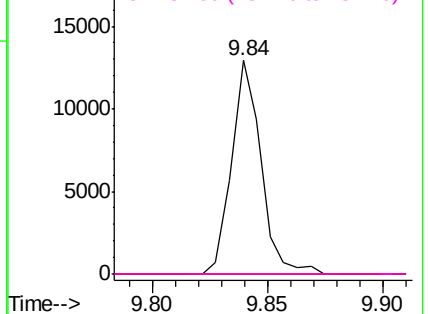
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

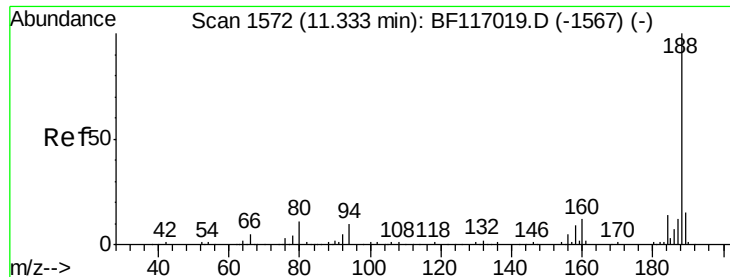


#57
 2,4-Dinitrotoluene
 Concen: 6.656 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF117286.D
 Acq: 1 Oct 2019 19:35

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

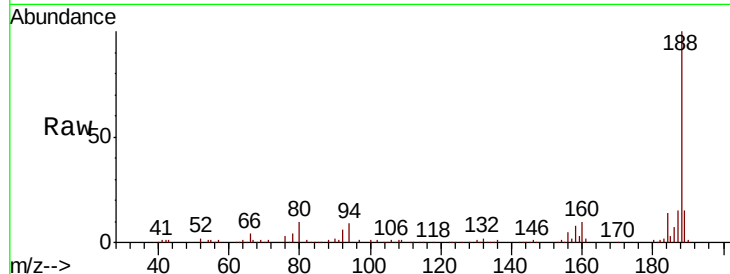




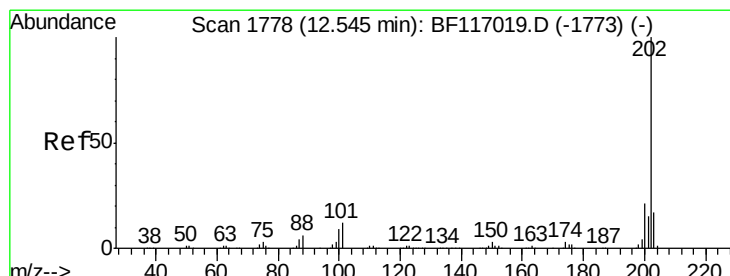
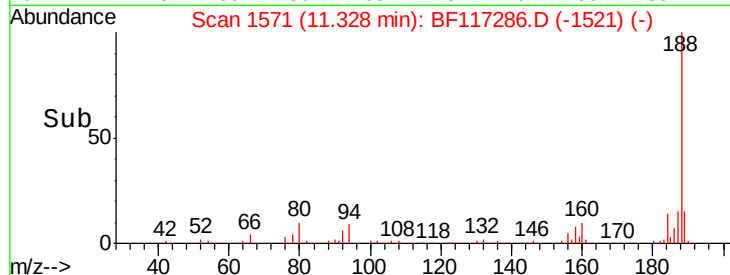
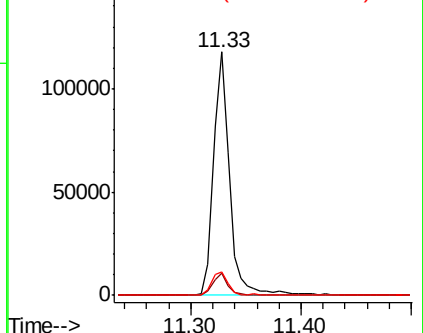
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF117286.D
Acq: 1 Oct 2019 19:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 117924
Ion Ratio Lower Upper
188 100
94 8.9 8.2 12.2
80 9.6 9.0 13.6

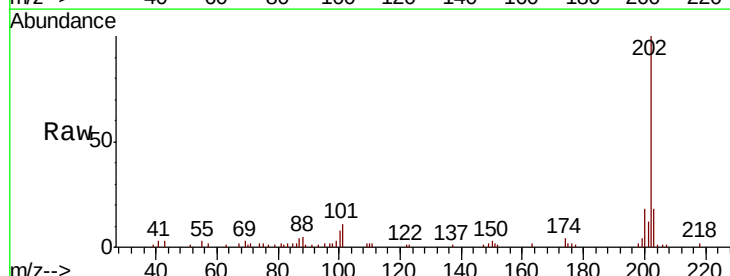


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

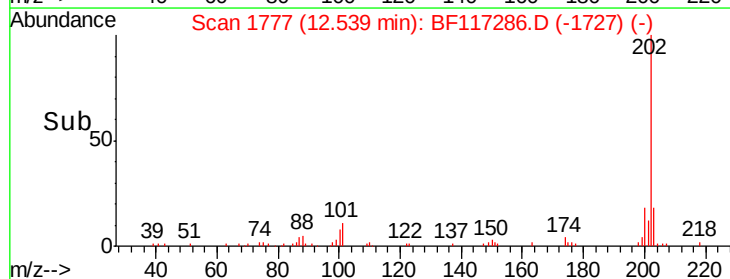
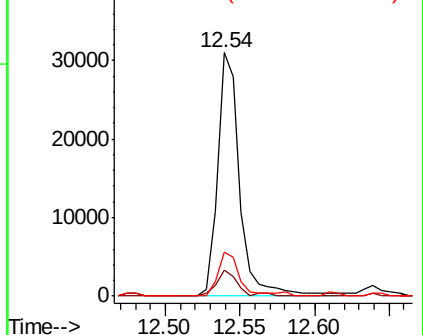


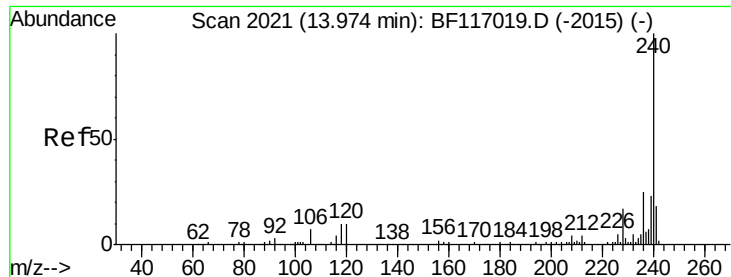
#75
Fluoranthene
Concen: 4.677 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF117286.D
Acq: 1 Oct 2019 19:35

Tgt Ion:202 Resp: 32189
Ion Ratio Lower Upper
202 100
101 10.9 0.0 32.3
203 17.9 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

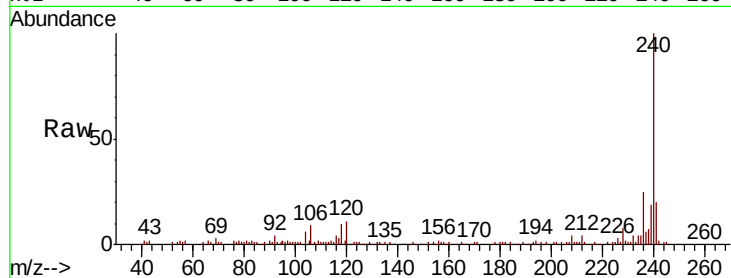




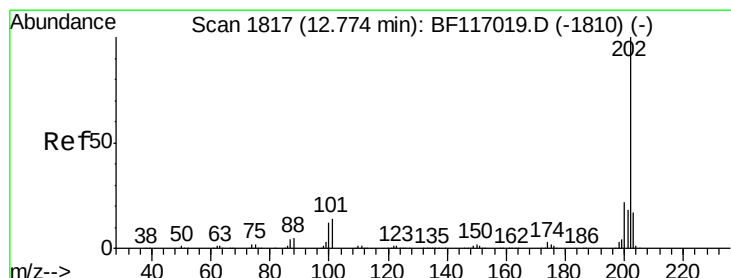
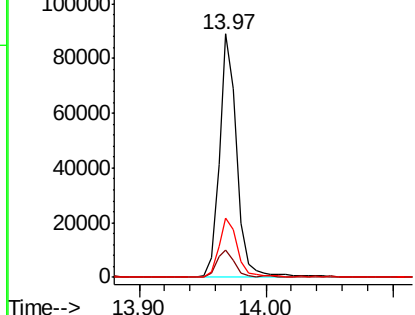
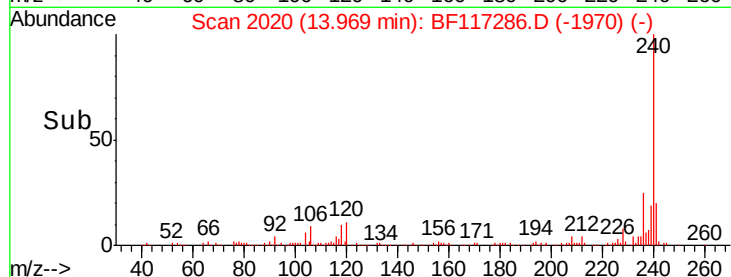
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117286.D
Acq: 1 Oct 2019 19:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 85265
Ion Ratio Lower Upper
240 100
120 11.3 8.3 12.5
236 24.5 20.3 30.5

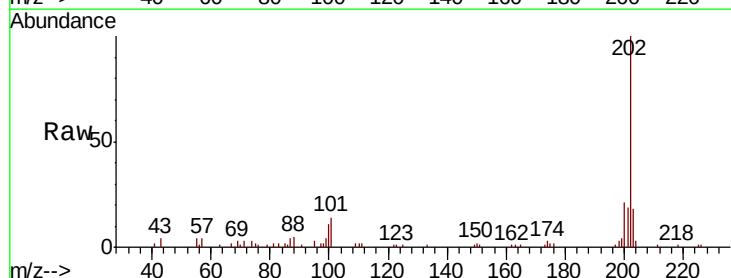


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

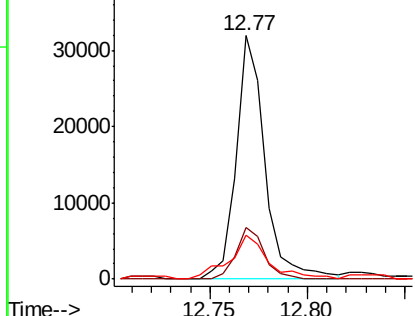
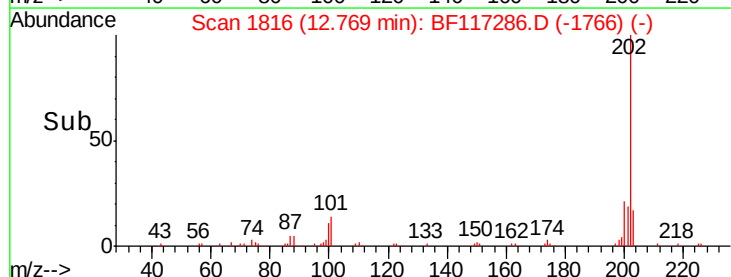


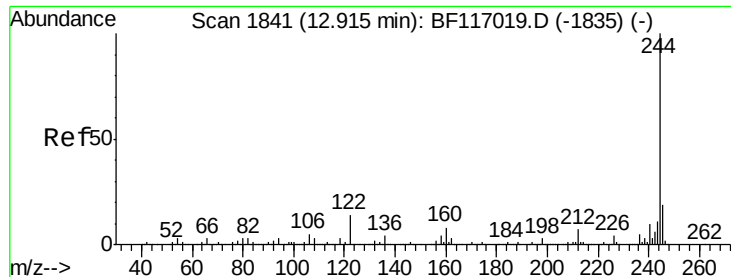
#78
Pyrene
Concen: 4.547 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117286.D
Acq: 1 Oct 2019 19:35

Tgt Ion:202 Resp: 32529
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 17.8 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: 25.479 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117286.D

Acq: 1 Oct 2019 19:35

Instrument :

BNA_F

ClientSampleId :

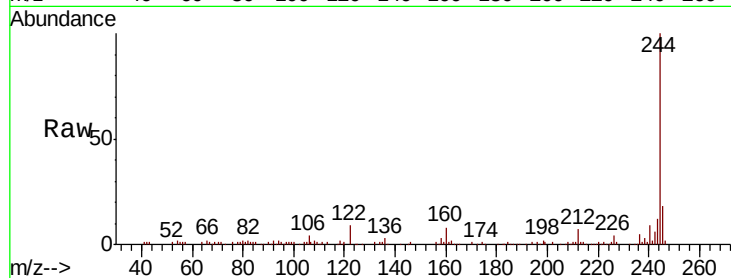
Tot Ion:244 Resp: 116225

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

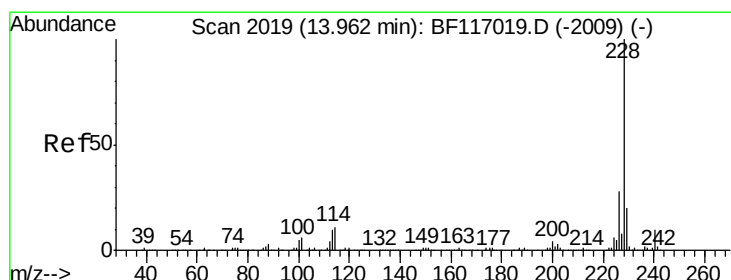
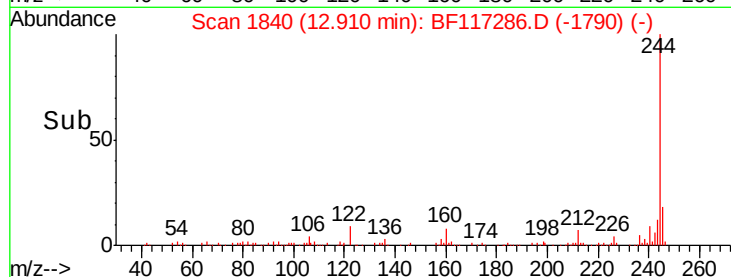
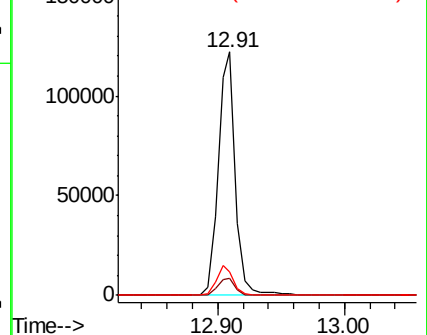
122 9.5 11.3 16.9#



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: 3.080 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF117286.D

Acq: 1 Oct 2019 19:35

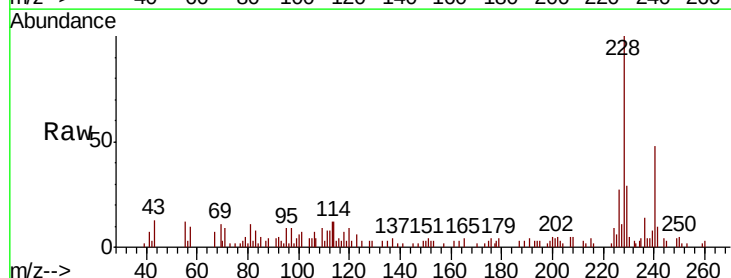
Tgt Ion:228 Resp: 17547

Ion Ratio Lower Upper

228 100

226 26.9 22.3 33.5

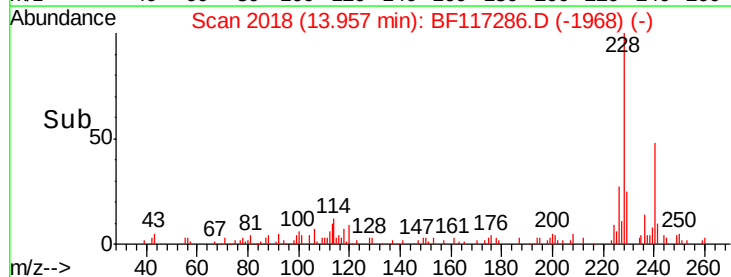
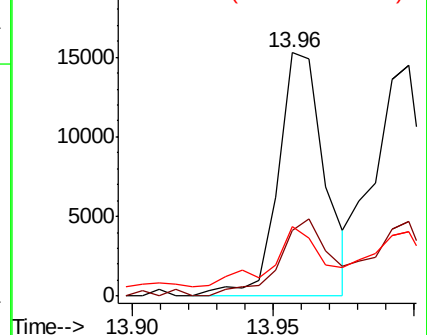
229 28.5 15.9 23.9#

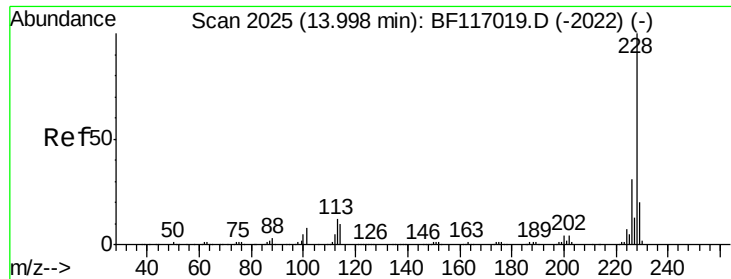


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

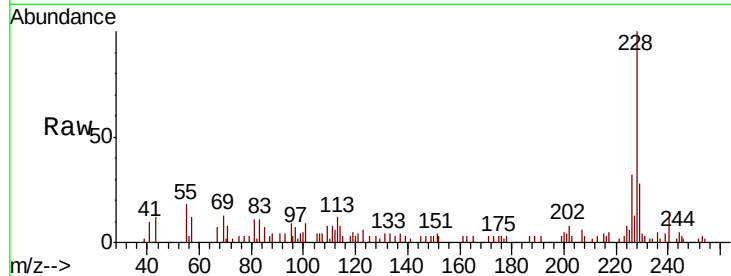




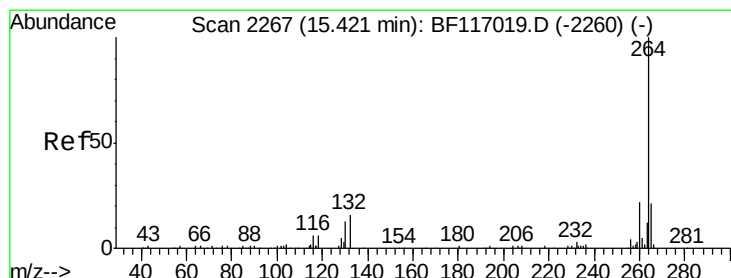
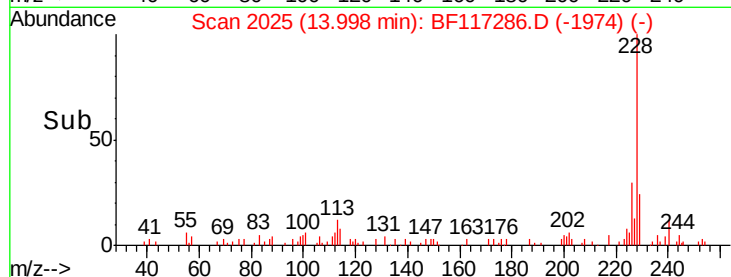
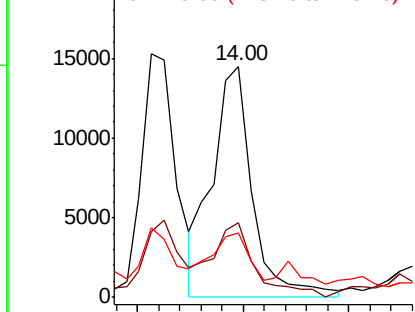
#83
Chrysene
Concen: 3.476 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF117286.D
Acq: 1 Oct 2019 19:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 19313
Ion Ratio Lower Upper
228 100
226 32.1 24.8 37.2
229 28.0 15.8 23.8#

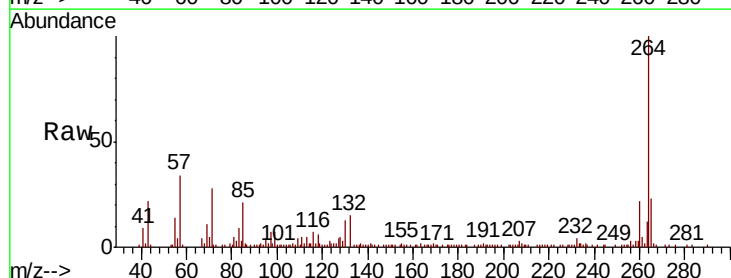


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

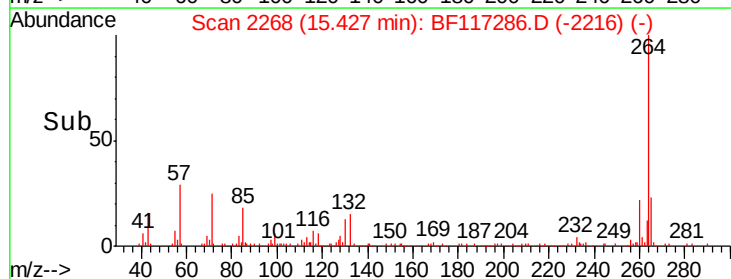
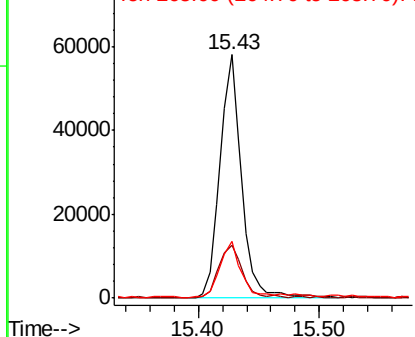


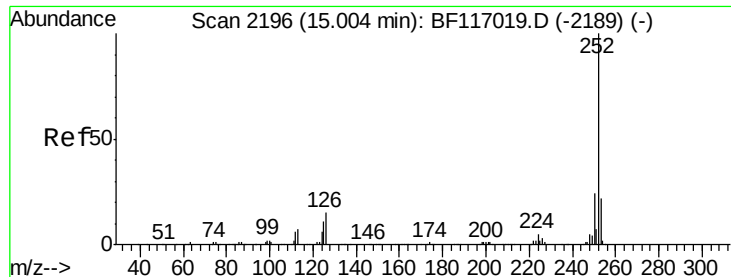
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF117286.D
Acq: 1 Oct 2019 19:35

Tgt Ion:264 Resp: 71745
Ion Ratio Lower Upper
264 100
260 21.9 17.6 26.4
265 23.3 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: 5.493 ng

RT: 15.01 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF117286.D

Acq: 1 Oct 2019 19:35

Instrument :

BNA_F

ClientSampleId :

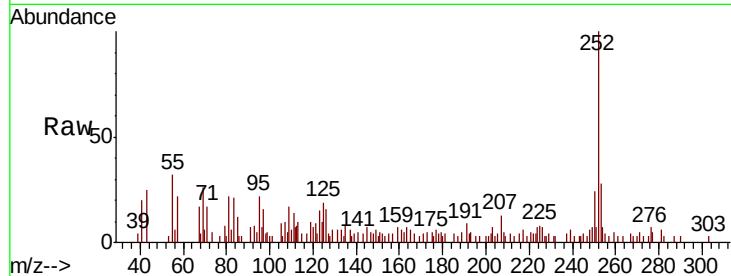
Tot Ion:252 Resp: 23871

Ion Ratio Lower Upper

252 100

253 27.6 17.6 26.4#

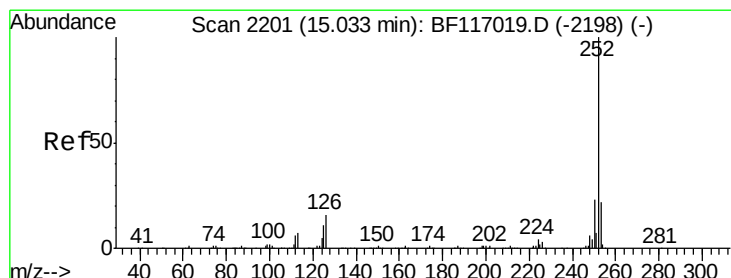
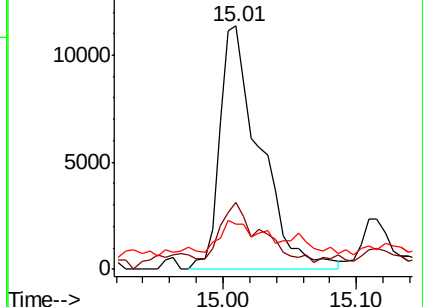
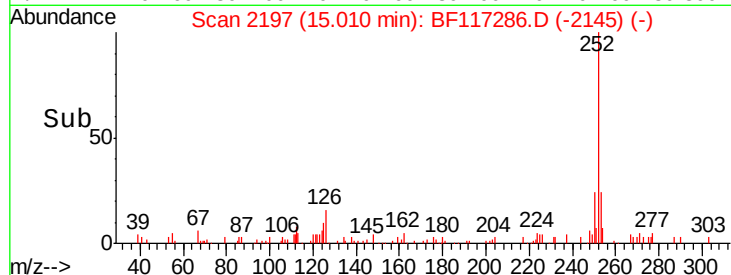
125 18.6 8.6 12.8#



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



#89

Benzo(k)fluoranthene

Concen: 5.799 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.02 min

Lab File: BF117286.D

Acq: 1 Oct 2019 19:35

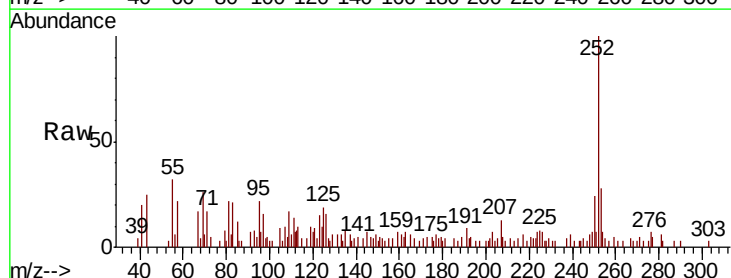
Tgt Ion:252 Resp: 23871

Ion Ratio Lower Upper

252 100

253 27.6 17.4 26.2#

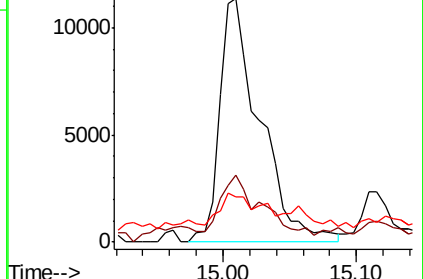
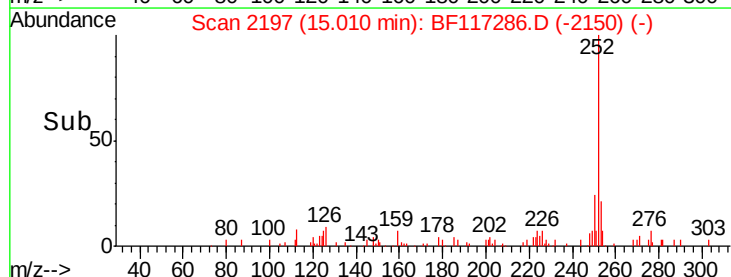
125 18.6 8.8 13.2#

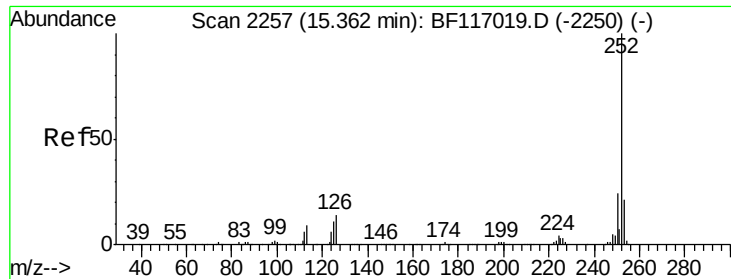


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 3.288 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.01 min

Lab File: BF117286.D

Acq: 1 Oct 2019 19:35

Instrument :

BNA_F

ClientSampleId :

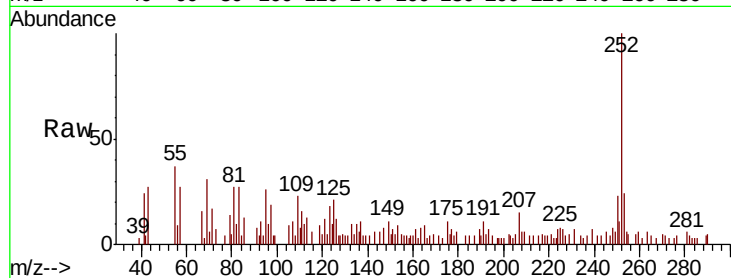
Tot Ion:252 Resp: 12540

Ion Ratio Lower Upper

252 100

253 23.8 16.6 25.0

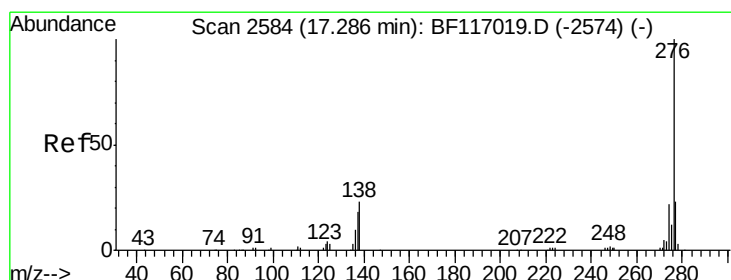
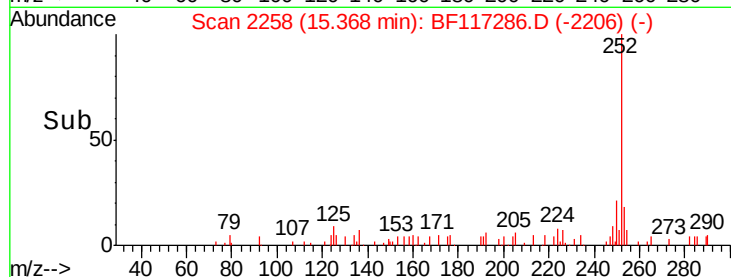
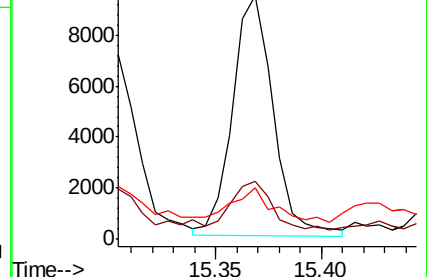
125 21.3 8.9 13.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.249 ng

RT: 17.32 min Scan# 2589

Delta R.T. 0.03 min

Lab File: BF117286.D

Acq: 1 Oct 2019 19:35

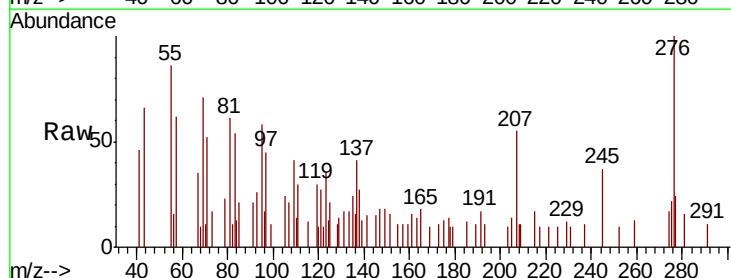
Tgt Ion:276 Resp: 6810

Ion Ratio Lower Upper

276 100

277 24.3 18.6 27.8

138 27.2 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

