

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092019\
 Data File : BF117206.D
 Acq On : 21 Sep 2019 00:29
 Operator : HP/JU
 Sample : K4964-01DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 21 01:36:09 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	6.82	152	29807	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	119498	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	54754	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	70692	20.00	ng	0.00
76) Chrysene-d12	13.98	240	44211	20.00	ng	0.00
87) Perylene-d12	15.43	264	38540	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	31749	16.63	ng	0.00
7) Phenol-d6	6.46	99	43769	17.74	ng	0.00
23) Nitrobenzene-d5	7.38	82	28260	12.43	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	6916	15.11	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	52853	15.09	ng	0.00
79) Terphenyl-d14	12.92	244	34300	14.50	ng	0.00

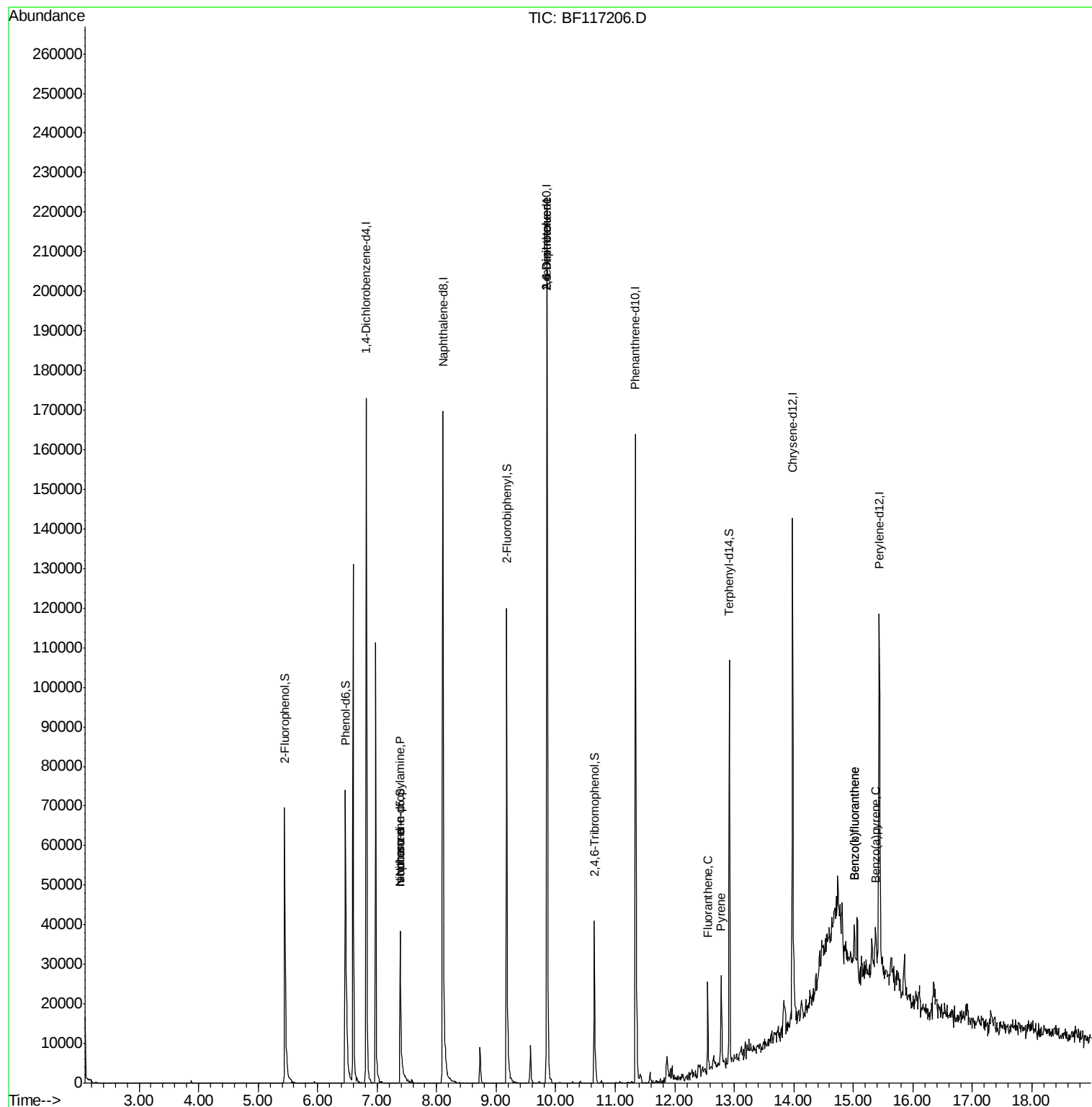
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	1021	Below Cal		# 59
19) n-Nitroso-di-n-propylamine	7.38	70	3299	2.196	ng	# 81
25) Isophorone	7.38	82	28260	7.018	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	6661	8.436	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	6661	6.499	ng	# 18
75) Fluoranthene	12.56	202	11176	2.709	ng	97
78) Pyrene	12.78	202	11940	3.219	ng	98
88) Benzo(b)fluoranthene	15.02	252	9186	3.935	ng	# 89
89) Benzo(k)fluoranthene	15.02	252	9186	4.154	ng	# 89
90) Benzo(a)pyrene	15.37	252	4232	2.066	ng	# 90

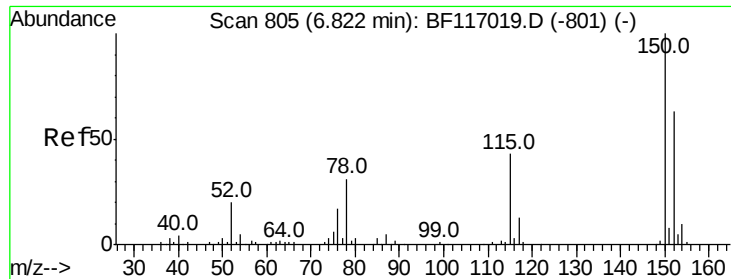
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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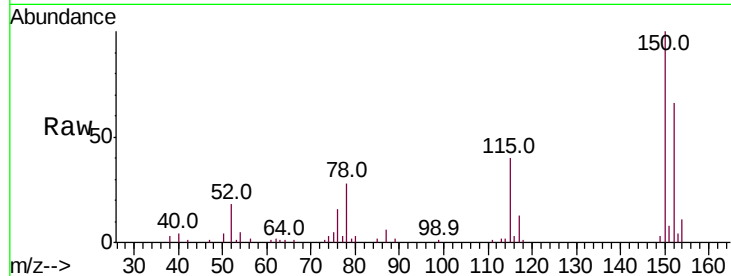


#1

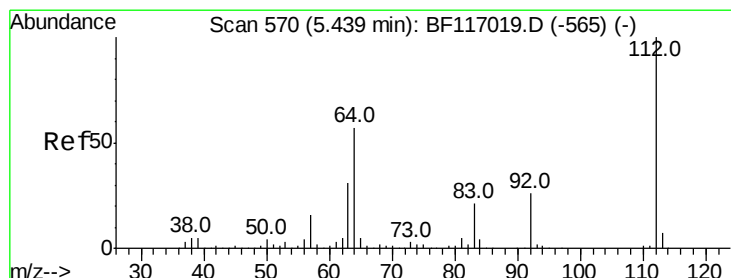
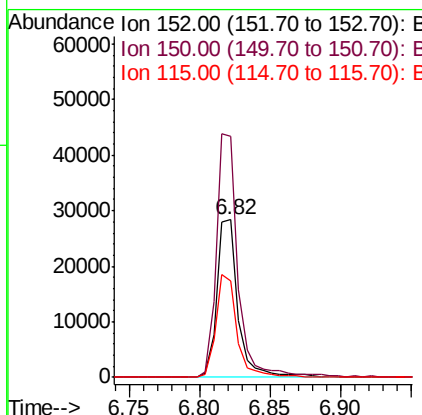
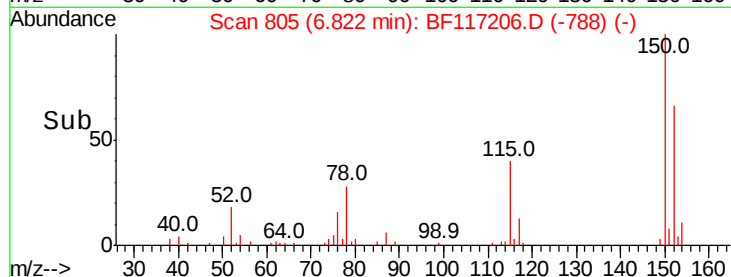
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	127.5	191.3
115	61.2	55.0	82.4



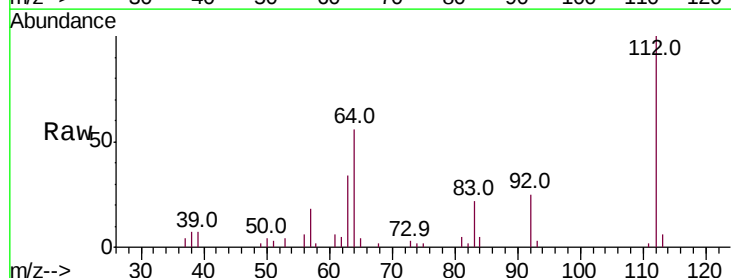
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



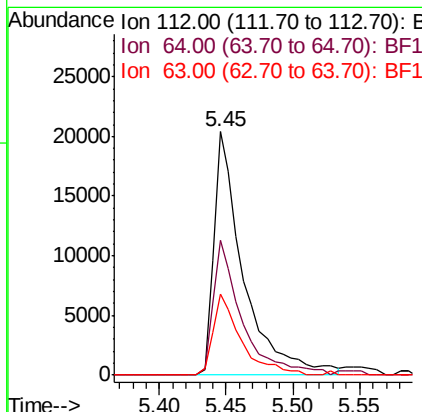
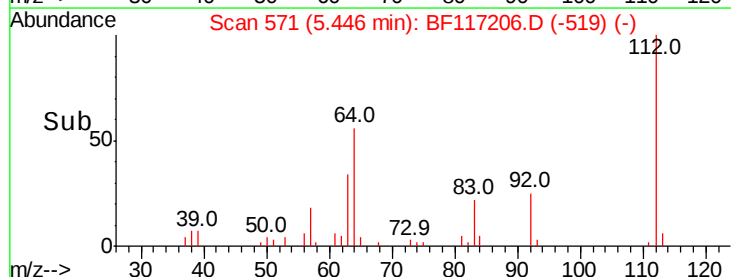
#5

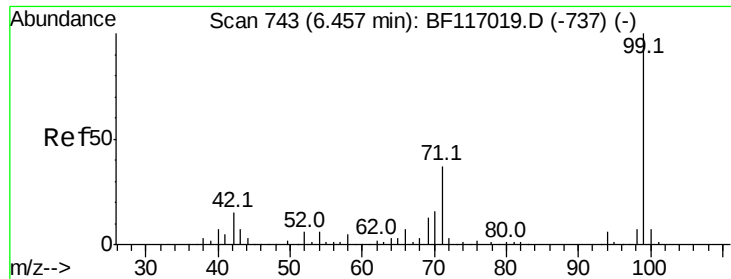
2-Fluorophenol
Concen: 16.630 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	45.7	68.5
63	33.5	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: 17.739 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117206.D

Acq: 21 Sep 2019 00:29

Instrument :

BNA_F

ClientSampleId :

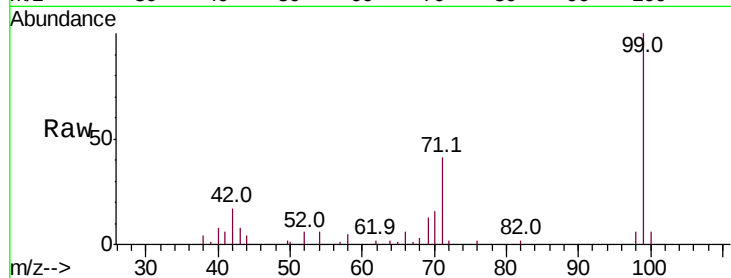
Tot Ion: 99 Resp: 43769

Ion Ratio Lower Upper

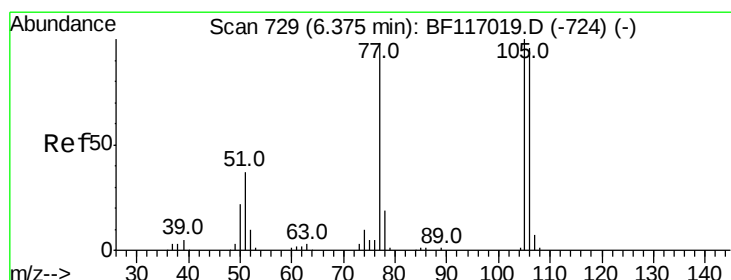
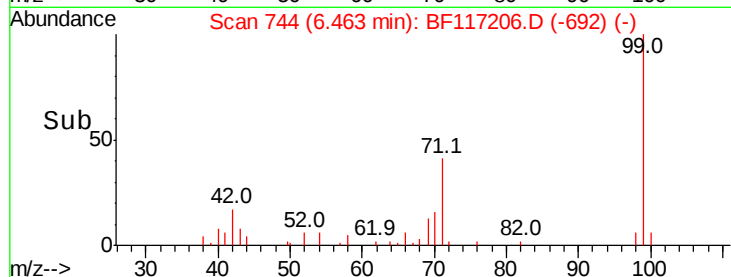
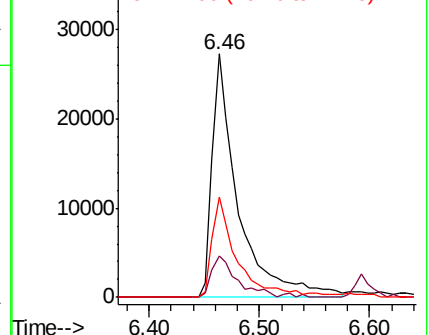
99 100

42 17.1 12.2 18.2

71 41.1 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: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF117206.D

Acq: 21 Sep 2019 00:29

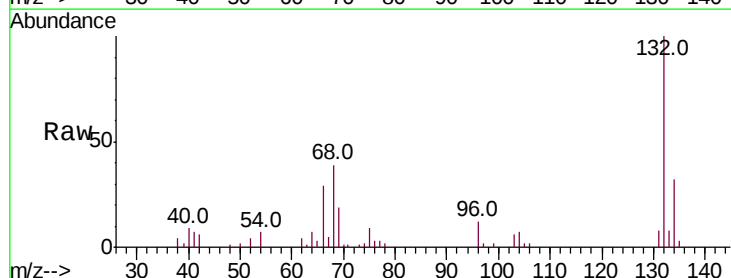
Tgt Ion: 77 Resp: 1021

Ion Ratio Lower Upper

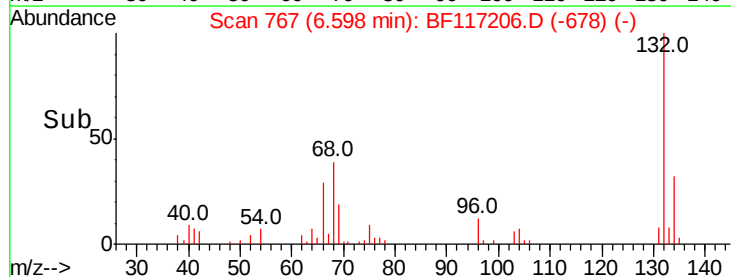
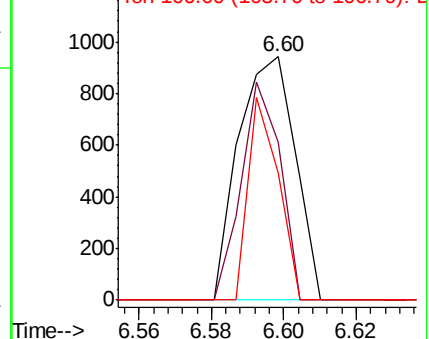
77 100

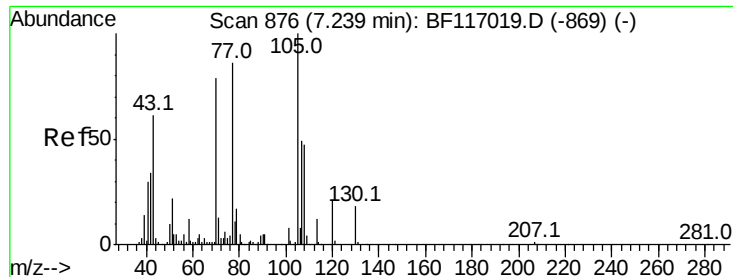
105 64.9 81.8 121.8#

106 52.3 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

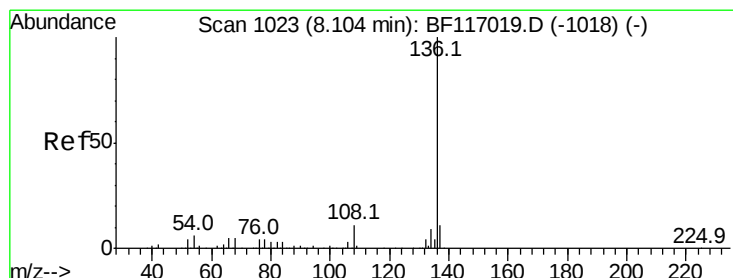
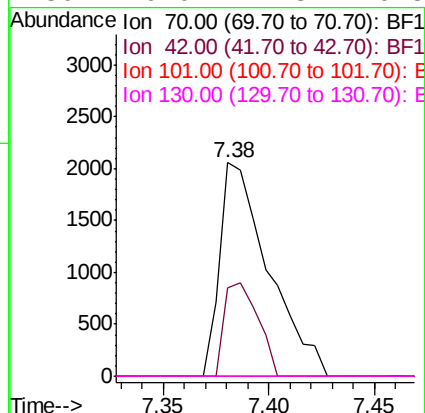
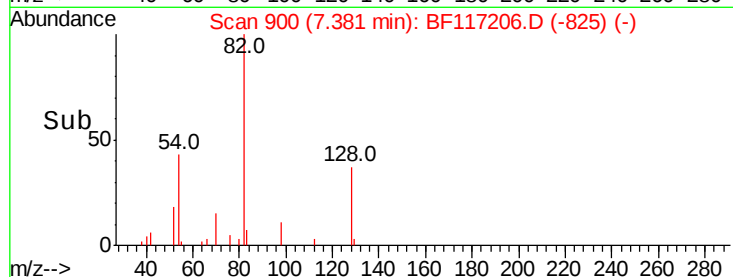
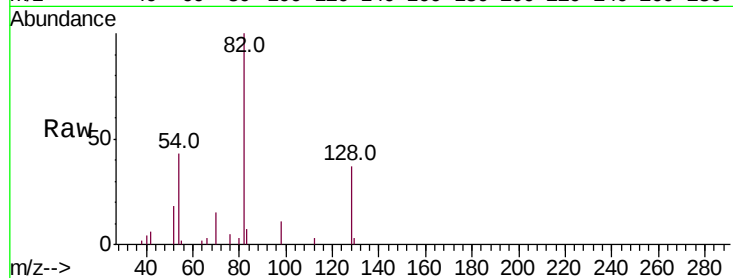




#19
n-Nitroso-di-n-propylamine
Concen: 2.196 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.14 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

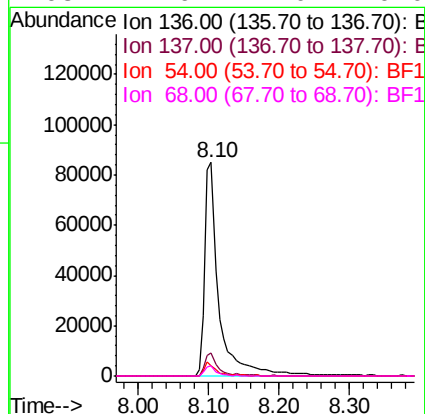
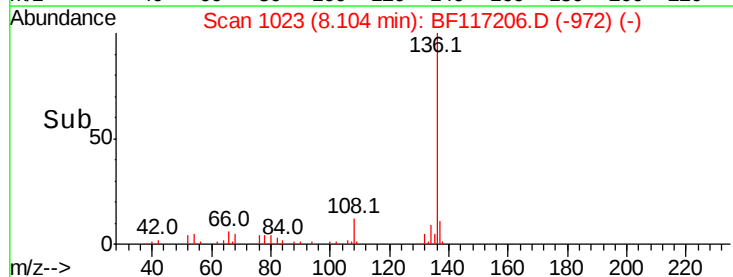
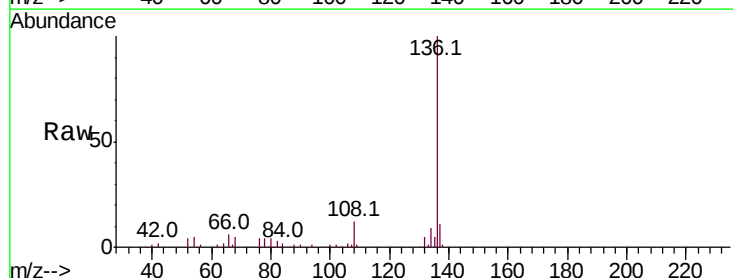
Instrument :
BNA_F
ClientSampleId :

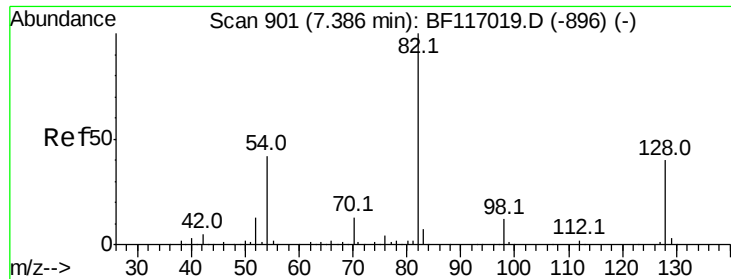
Tot Ion: 70 Resp: 3299
Ion Ratio Lower Upper
70 100
42 41.2 34.0 51.0
101 0.0 7.8 11.6#
130 0.0 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

Tgt Ion: 136 Resp: 119498
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 4.6 4.5 6.7
68 4.6 4.0 6.0

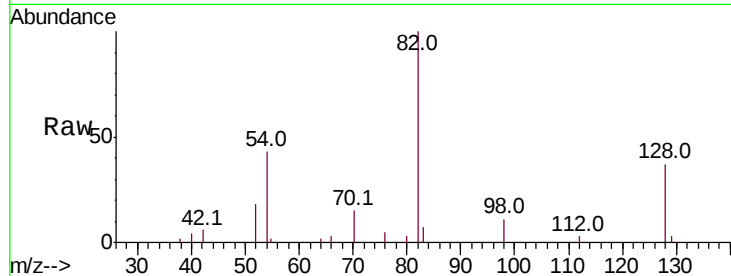




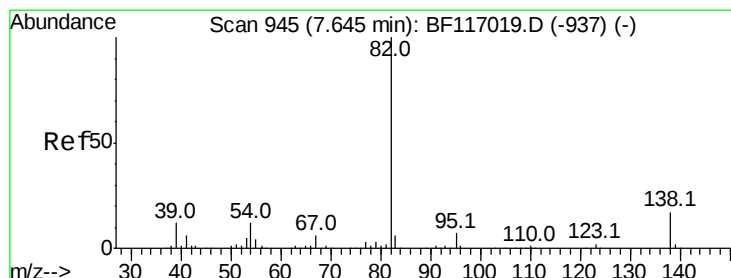
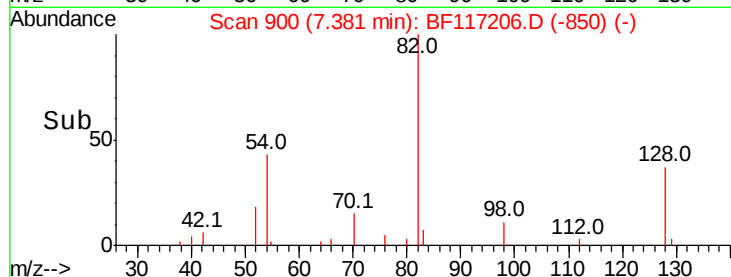
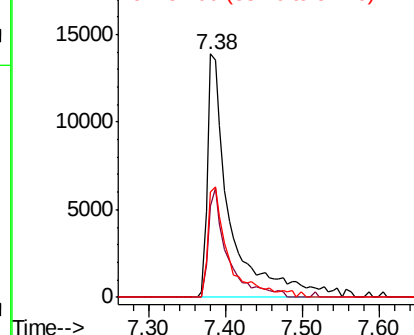
#23
 Nitrobenzene-d5
 Concen: 12.426 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF117206.D
 Acq: 21 Sep 2019 00:29

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	82	Resp	28260
Ion Ratio	Lower	Upper	
82	100		
128	37.3	32.3	48.5
54	43.3	33.3	49.9

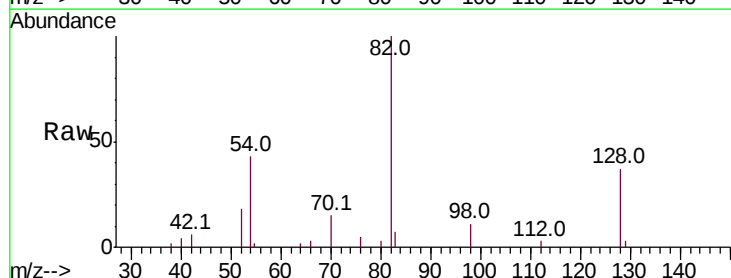


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

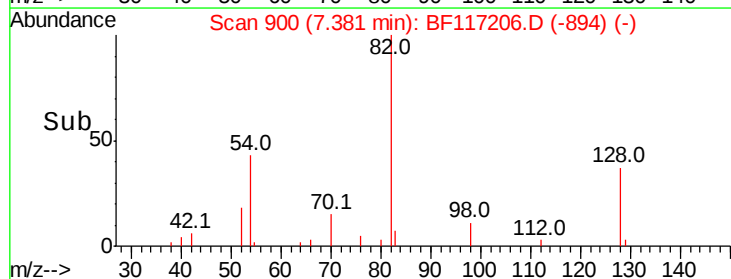
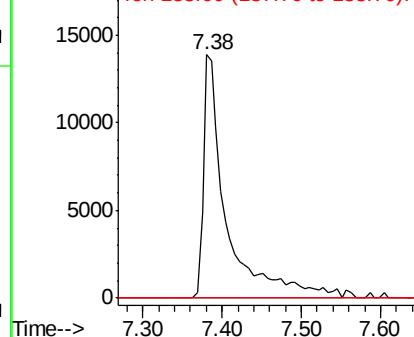


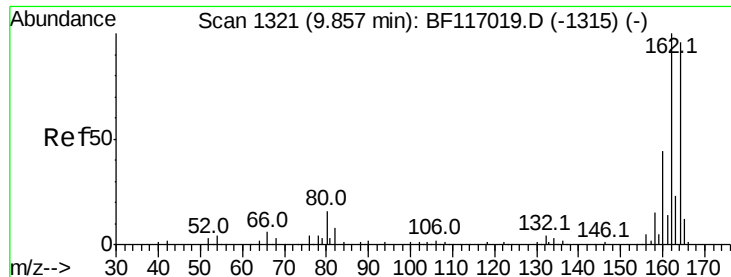
#25
 Isophorone
 Concen: 7.018 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.26 min
 Lab File: BF117206.D
 Acq: 21 Sep 2019 00:29

Tgt Ion	82	Resp	28260
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: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117206.D

Acq: 21 Sep 2019 00:29

Instrument :

BNA_F

ClientSampleId :

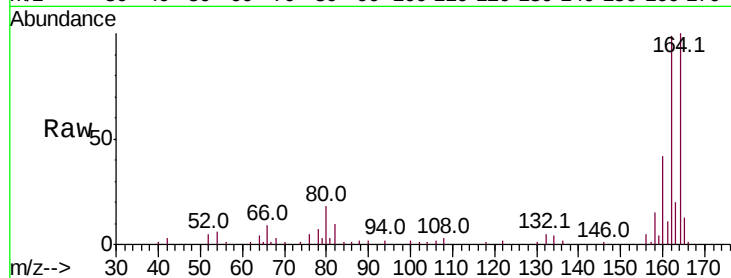
Tot Ion:164 Resp: 54754

Ion Ratio Lower Upper

164 100

162 99.5 83.4 125.2

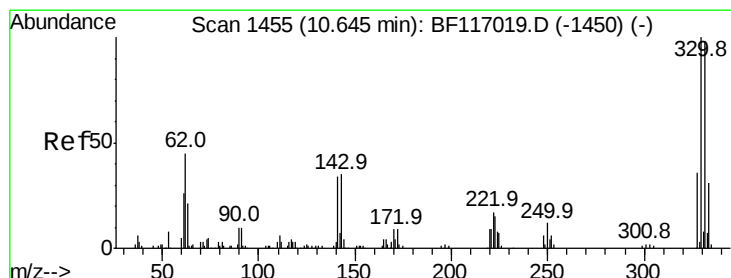
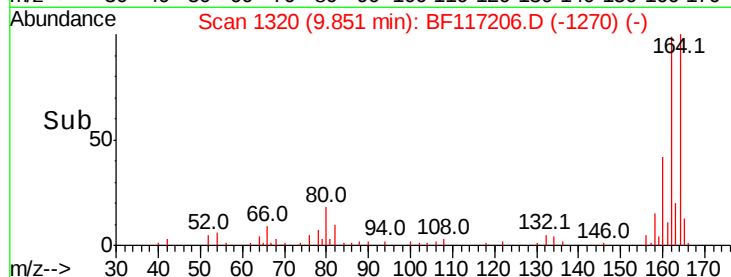
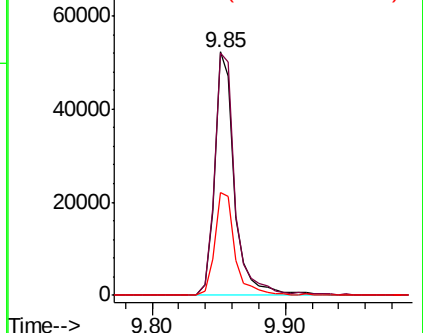
160 42.2 36.4 54.6



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: 15.113 ng

RT: 10.65 min Scan# 1456

Delta R.T. 0.01 min

Lab File: BF117206.D

Acq: 21 Sep 2019 00:29

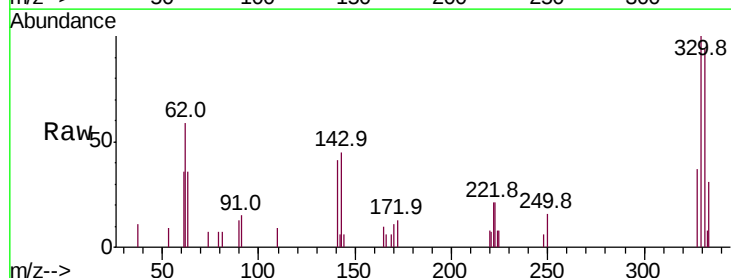
Tgt Ion:330 Resp: 6916

Ion Ratio Lower Upper

330 100

332 94.8 78.0 117.0

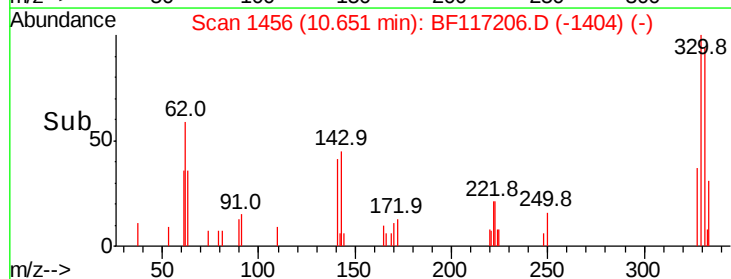
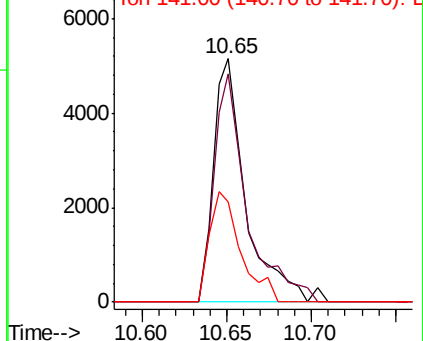
141 44.1 35.8 53.6

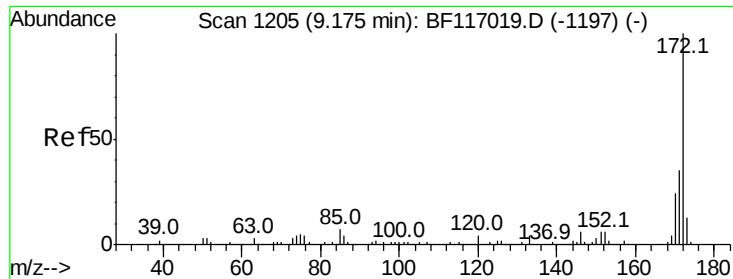


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

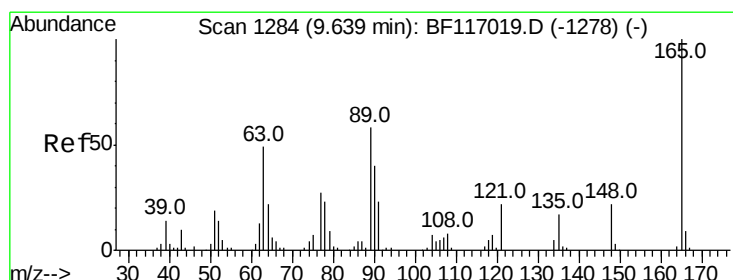
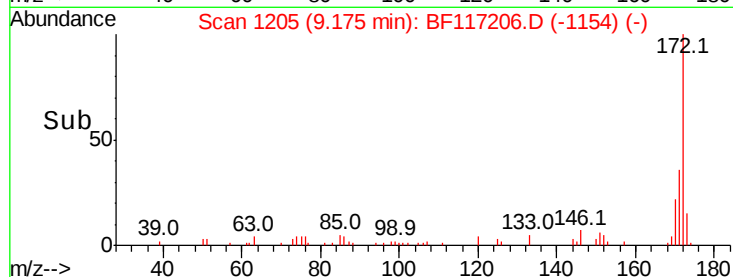
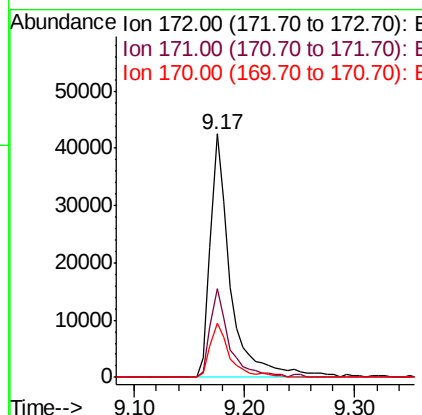
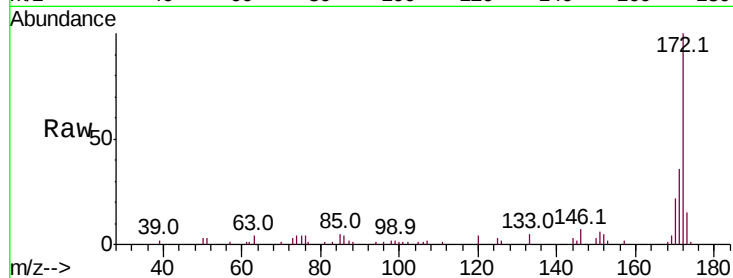




#45
 2-Fluorobiphenyl
 Concen: 15.093 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117206.D
 Acq: 21 Sep 2019 00:29

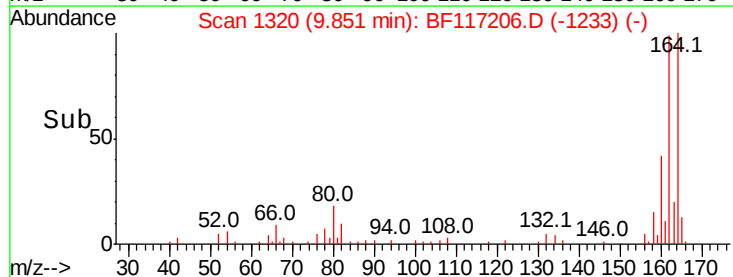
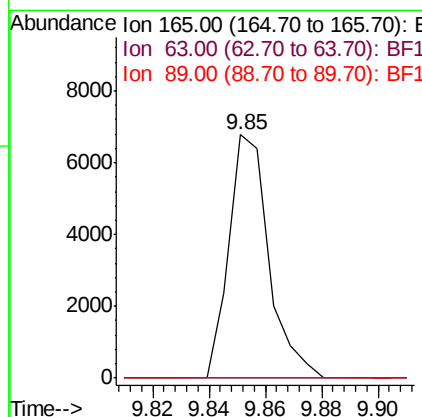
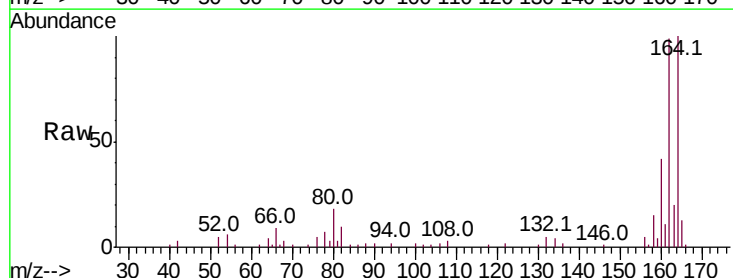
Instrument :
 BNA_F
 ClientSampleId :

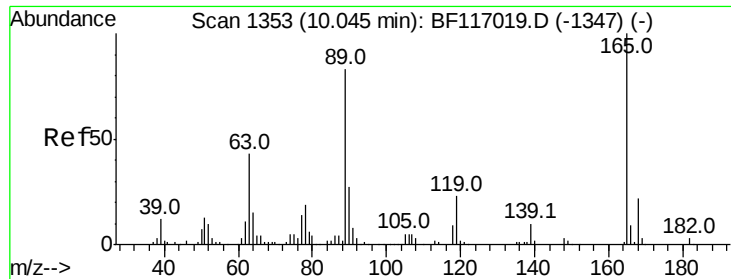
Tot Ion:172 Resp: 52853
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.2 42.2
 170 22.3 18.9 28.3



#51
 2,6-Dinitrotoluene
 Concen: 8.436 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117206.D
 Acq: 21 Sep 2019 00:29

Tgt Ion:165 Resp: 6661
 Ion Ratio Lower Upper
 165 100
 63 0.0 41.8 62.8#
 89 0.0 46.5 69.7#

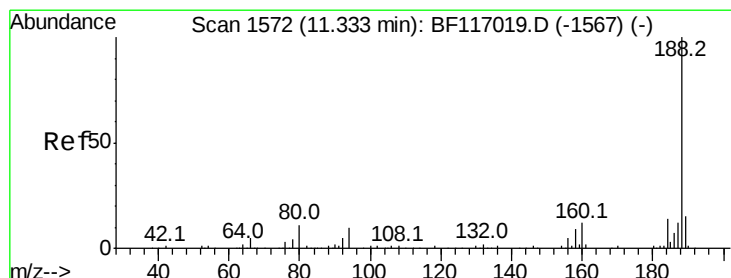
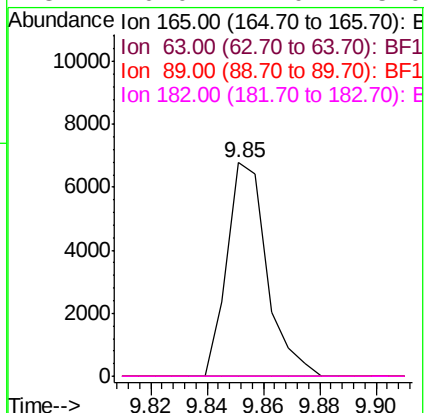
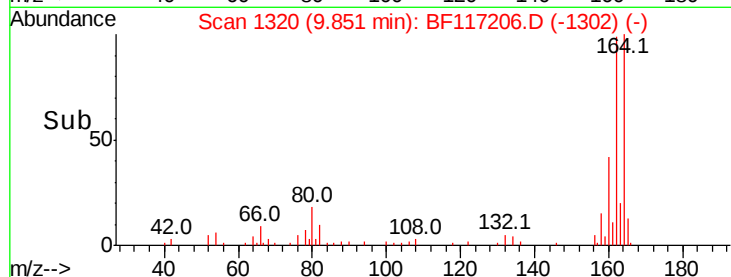
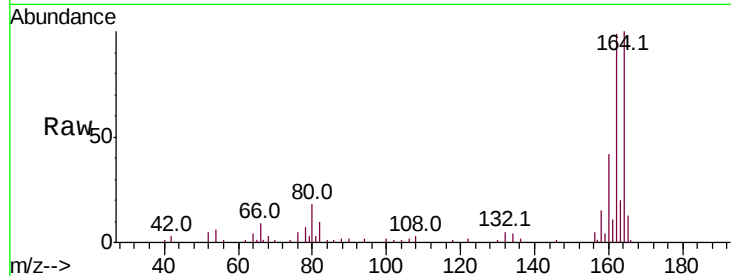




#57
 2,4-Dinitrotoluene
 Concen: 6.499 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117206.D
 Acq: 21 Sep 2019 00:29

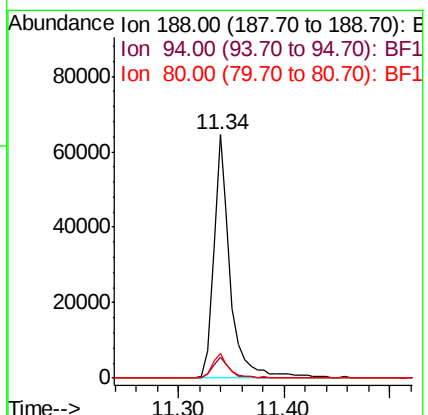
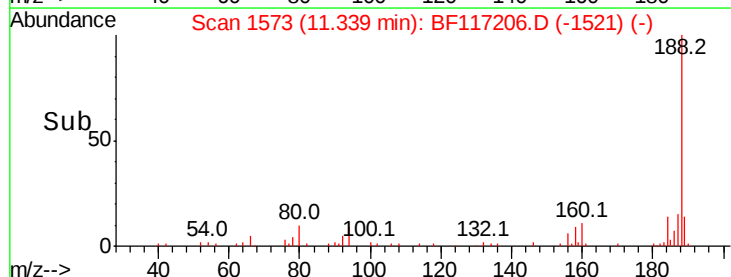
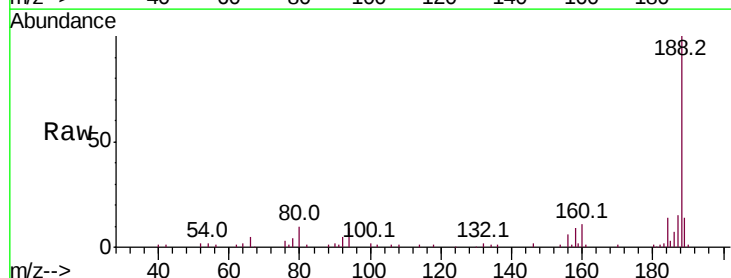
Instrument :
 BNA_F
 ClientSampled :

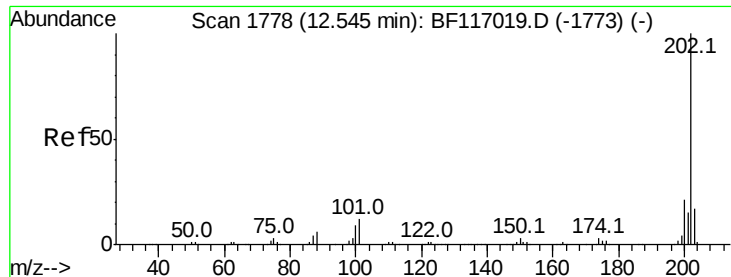
Tot Ion:165 Resp: 6661
 Ion Ratio Lower Upper
 165 100
 63 0.0 35.0 52.4#
 89 0.0 66.1 99.1#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF117206.D
 Acq: 21 Sep 2019 00:29

Tgt Ion:188 Resp: 70692
 Ion Ratio Lower Upper
 188 100
 94 8.8 8.2 12.2
 80 10.3 9.0 13.6

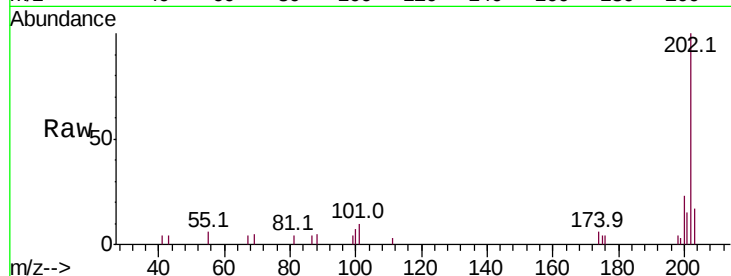




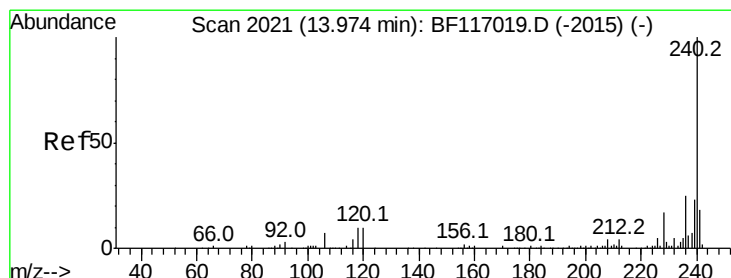
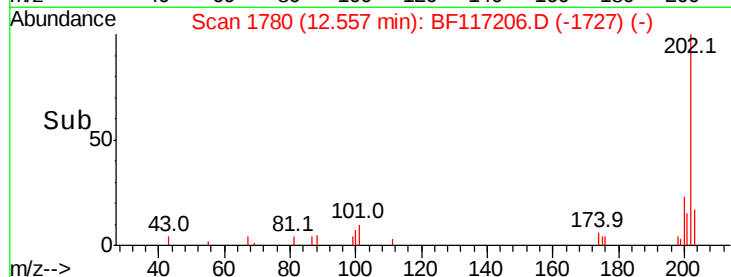
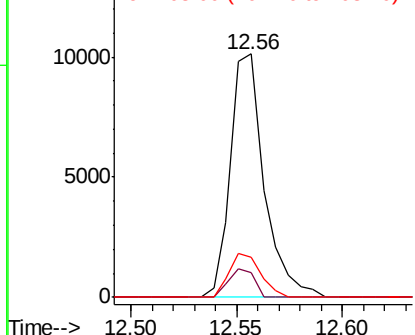
#75
 Fluoranthene
 Concen: 2.709 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: BF117206.D
 Acq: 21 Sep 2019 00:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 11176
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 32.3
 203 16.7 0.0 37.1

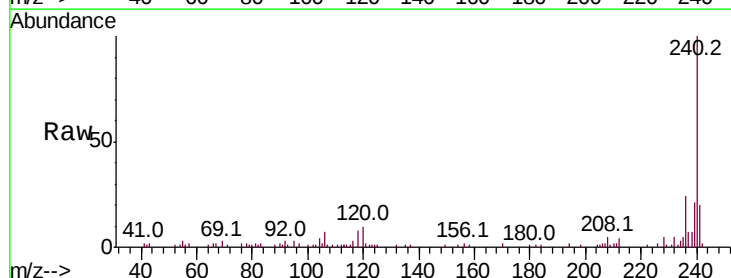


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

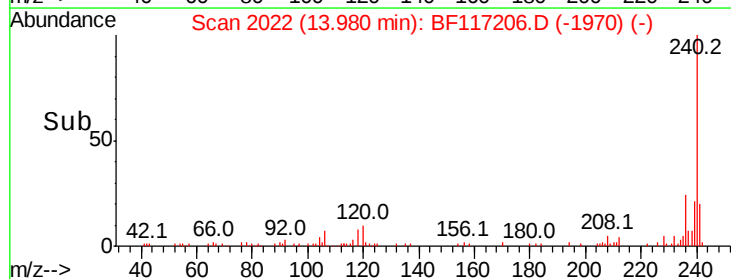
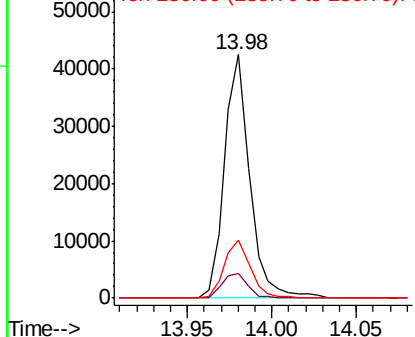


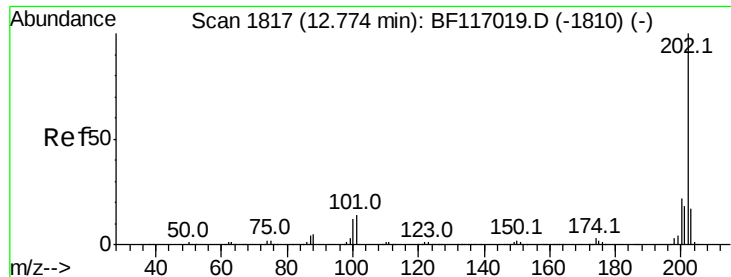
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.01 min
 Lab File: BF117206.D
 Acq: 21 Sep 2019 00:29

Tgt Ion:240 Resp: 44211
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.3 12.5
 236 23.8 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

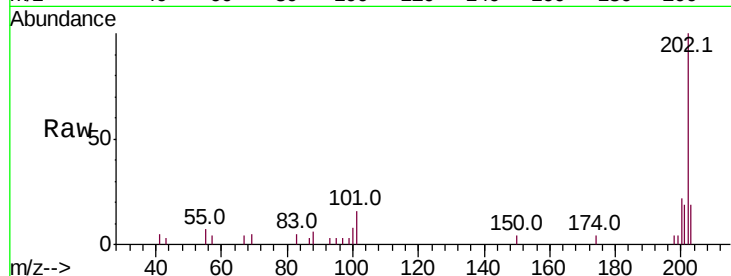




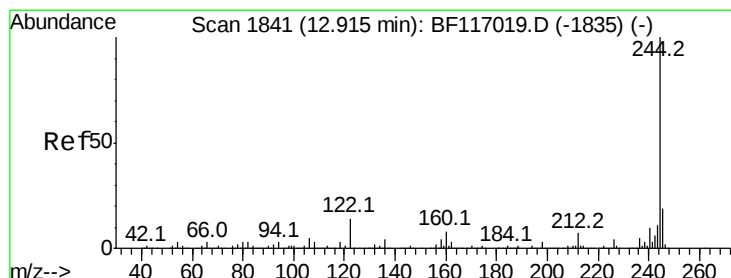
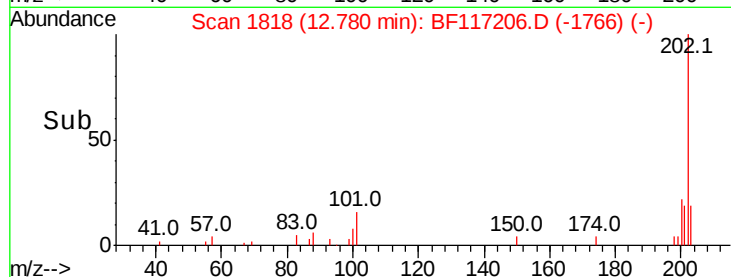
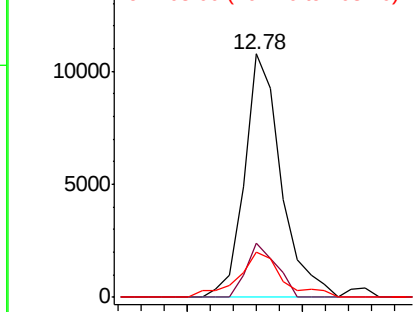
#78
Pvrene
Concen: 3.219 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.01 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 11940
Ion Ratio Lower Upper
202 100
200 22.4 17.2 25.8
203 18.6 14.0 21.0

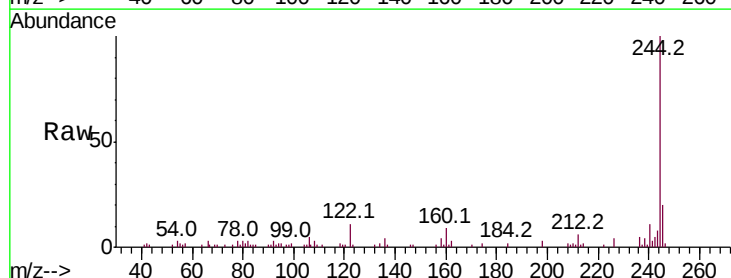


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

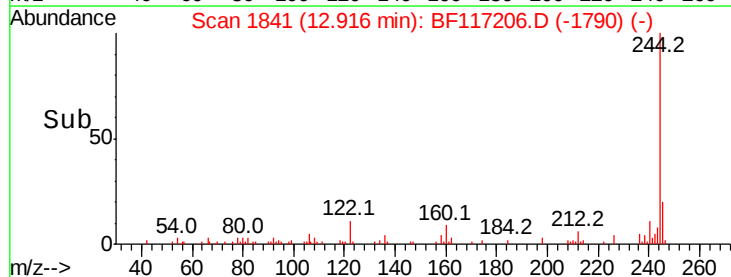
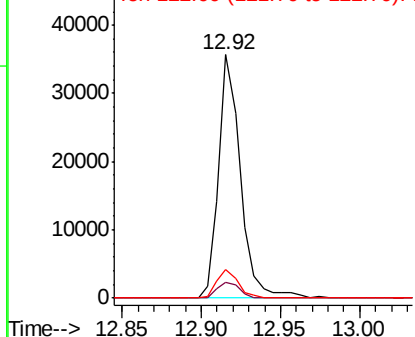


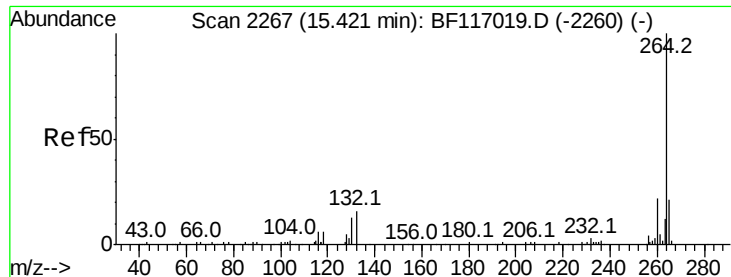
#79
Terphenyl-d14
Concen: 14.502 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

Tgt Ion:244 Resp: 34300
Ion Ratio Lower Upper
244 100
212 6.4 5.8 8.8
122 11.5 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

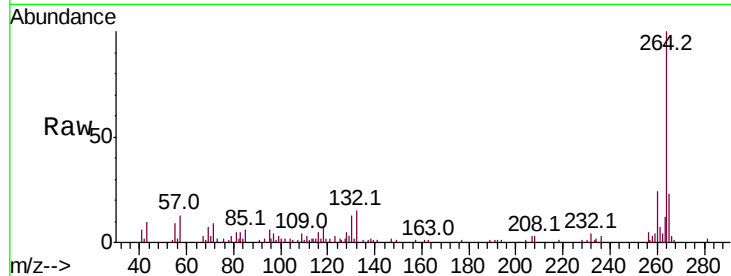




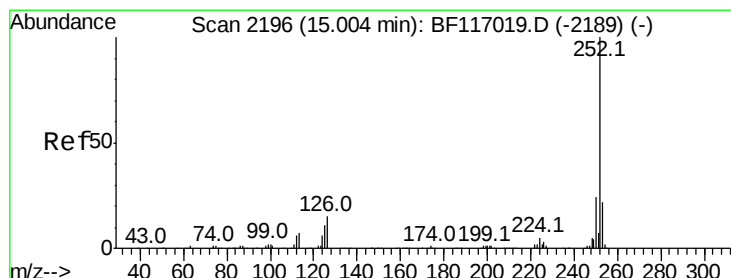
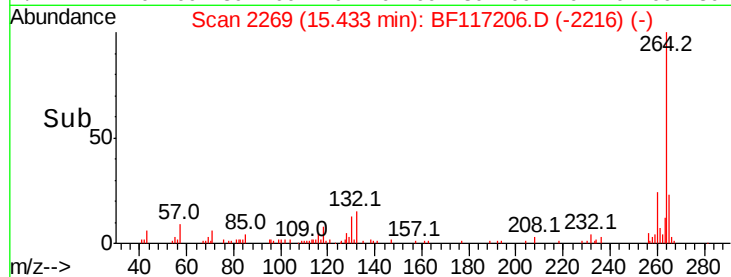
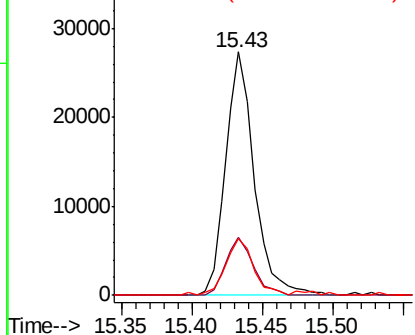
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 38540
Ion Ratio Lower Upper
264 100
260 23.8 17.6 26.4
265 23.5 16.6 24.8

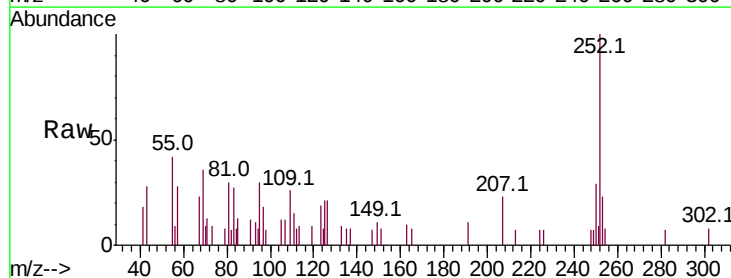


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

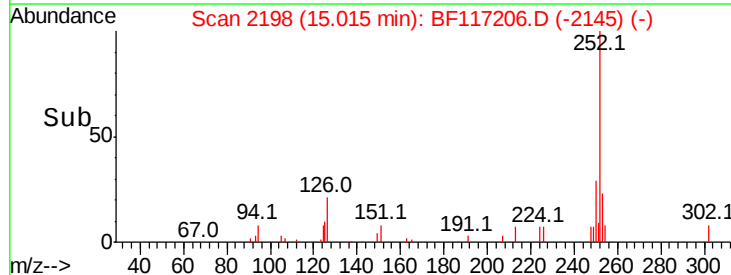
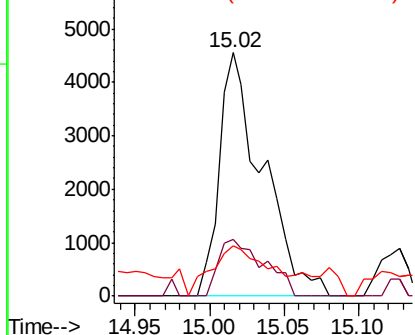


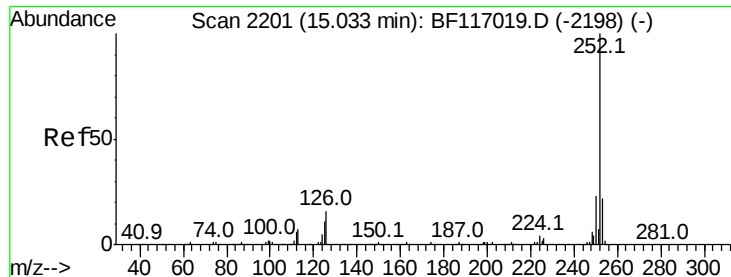
#88
Benzo(b)fluoranthene
Concen: 3.935 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

Tgt Ion:252 Resp: 9186
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 20.6 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

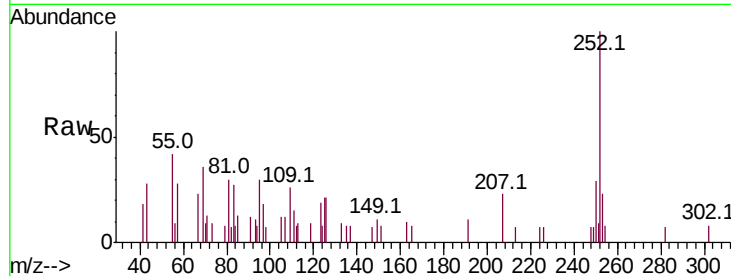




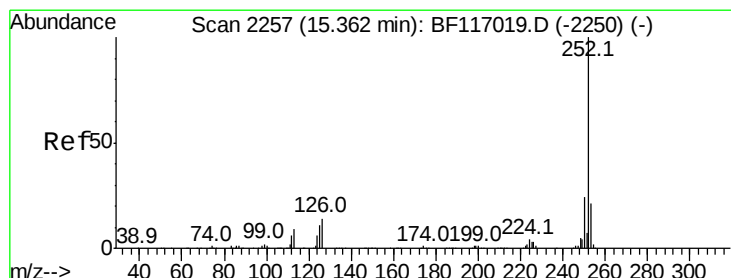
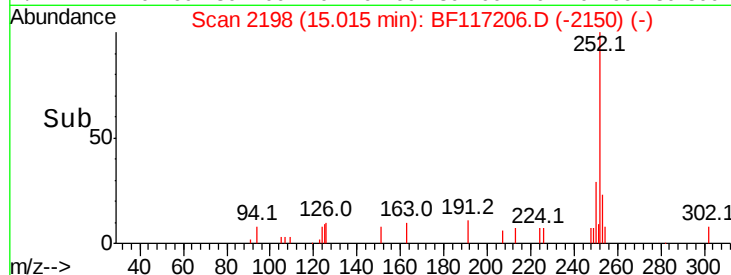
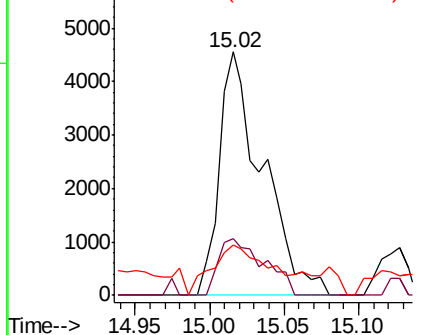
#89
Benzo(k)fluoranthene
Concen: 4.154 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 9186
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 20.6 8.8 13.2#

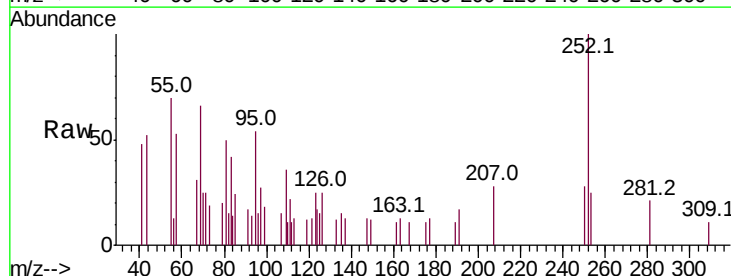


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.066 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

Tgt Ion:252 Resp: 4232
Ion Ratio Lower Upper
252 100
253 24.8 16.6 25.0
125 15.4 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

