

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092019\
 Data File : BF117202.D
 Acq On : 20 Sep 2019 22:43
 Operator : HP/JU
 Sample : K4973-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 21 00:39:22 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	42454	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	160726	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	76418	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	96003	20.00	ng	0.01
76) Chrysene-d12	13.99	240	60537	20.00	ng	0.02
87) Perylene-d12	15.43	264	60164	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	85806	31.56	ng	0.00
7) Phenol-d6	6.49	99	71771	20.42	ng	0.03
23) Nitrobenzene-d5	7.39	82	275104	89.93	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	47633	74.58	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	481334	98.48	ng	0.00
79) Terphenyl-d14	12.95	244	299034	92.33	ng	0.04

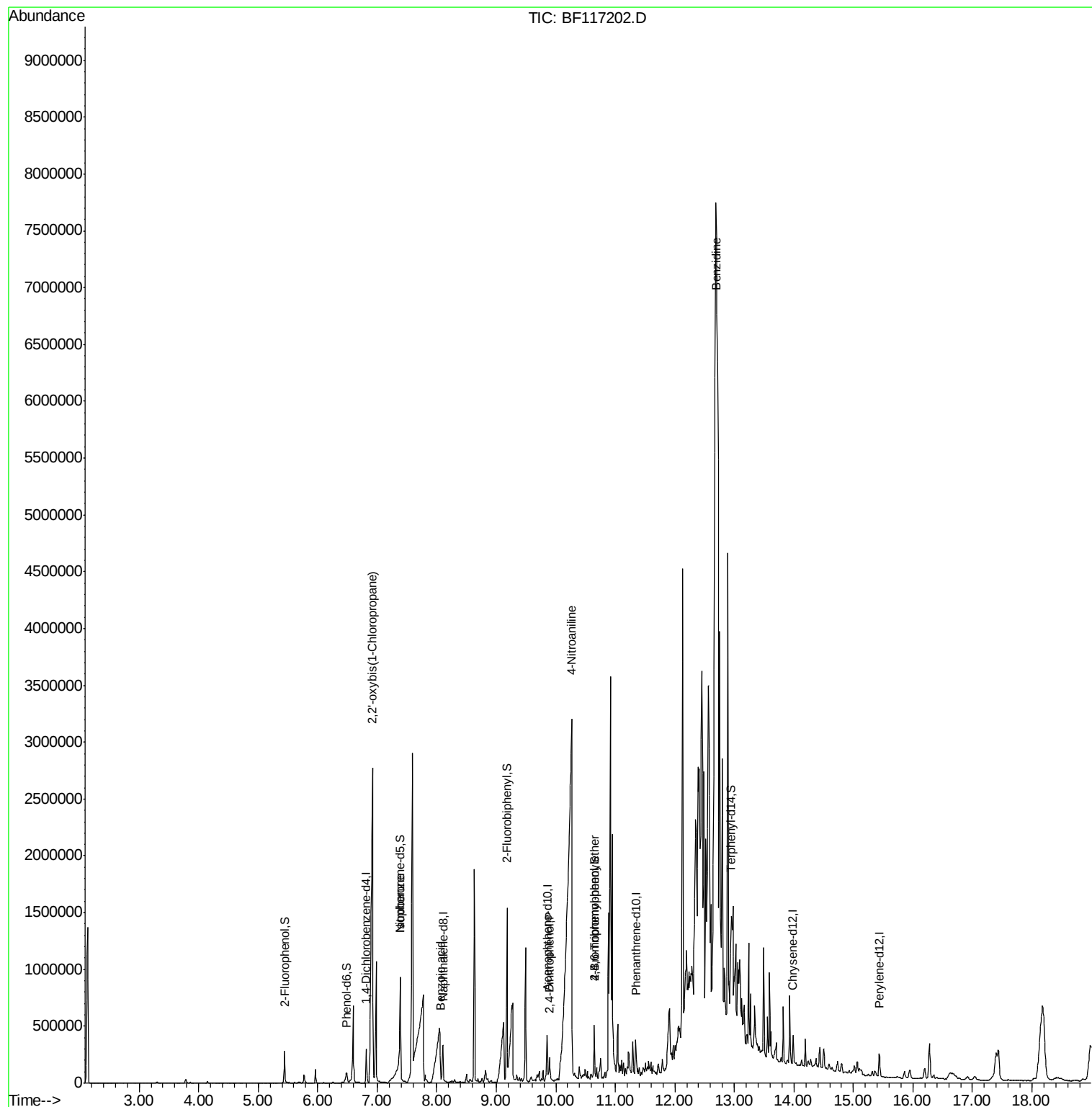
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.59	77	4934	Below Cal		# 66
16) 2,2'-oxybis(1-Chloropropan	6.92	45	24134	8.579	ng	94
25) Isophorone	7.39	82	269413	49.742	ng	# 66
32) Benzoic acid	8.06	122	22338	18.996	ng	97
54) 2,4-Dinitrophenol	9.90	184	120	9.390	ng	# 33
62) 4-Nitroaniline	10.27	138	68578	47.428	ng	# 22
67) 4-Bromophenyl-phenylether	10.65	248	2920	2.978	ng	# 1
69) Atrazine	11.05	200	282	Below Cal		# 38
77) Benzidine	12.69	184	6119	3.138	ng	# 1

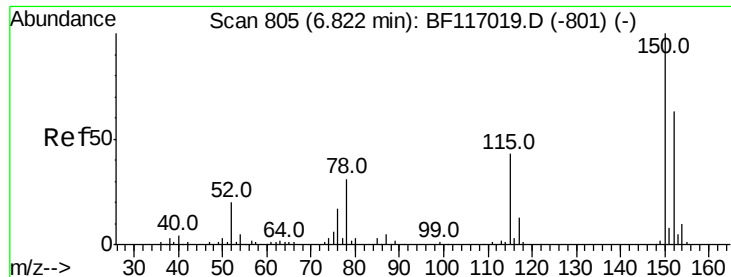
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092019\
Data File : BF117202.D
Acq On : 20 Sep 2019 22:43
Operator : HP/JU
Sample : K4973-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 21 00:39:22 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



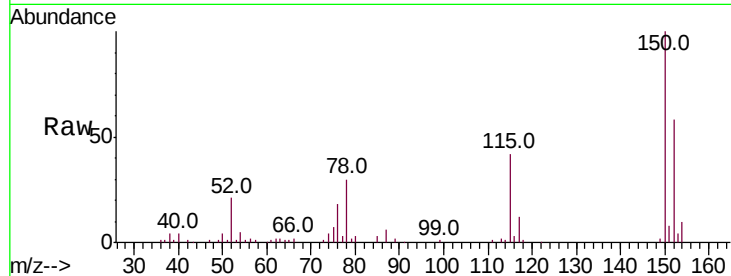


#1

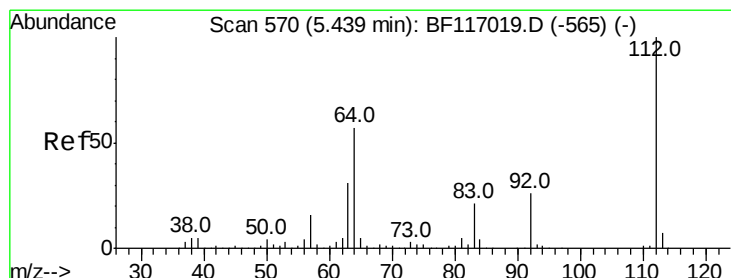
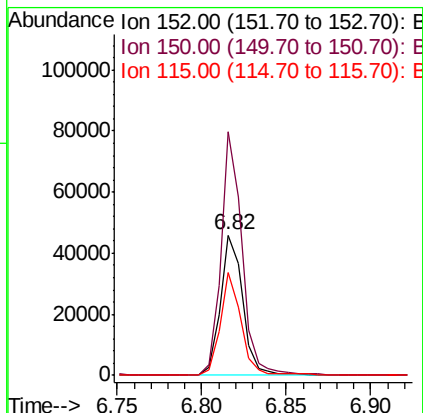
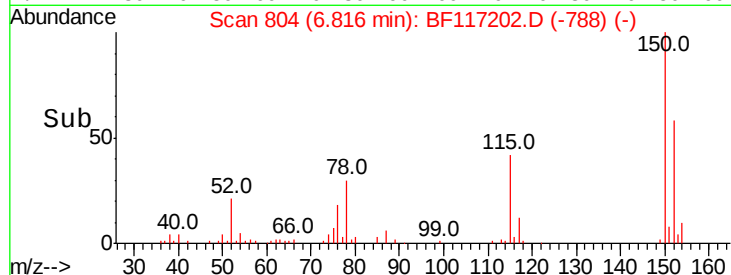
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF117202.D
 Acq: 20 Sep 2019 22:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 42454
 Ion Ratio Lower Upper
 152 100
 150 173.9 127.5 191.3
 115 73.2 55.0 82.4



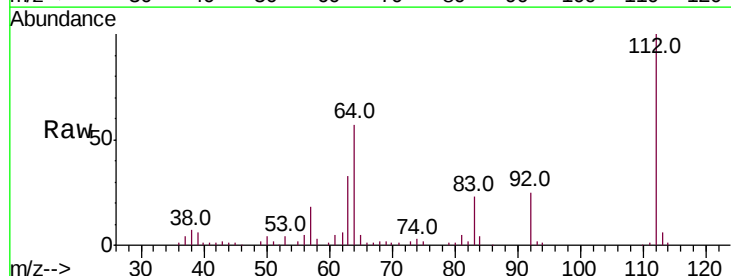
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



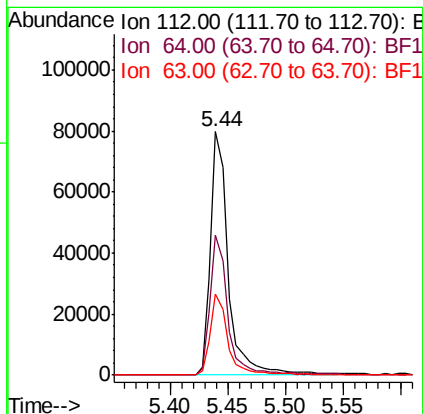
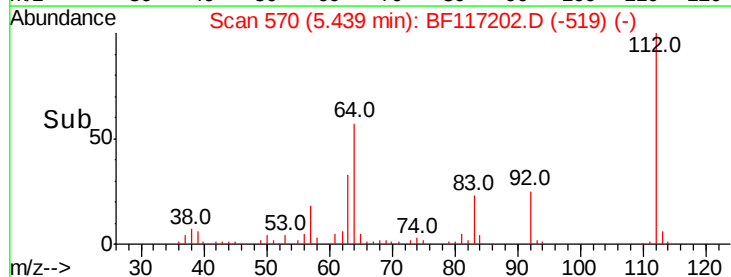
#5

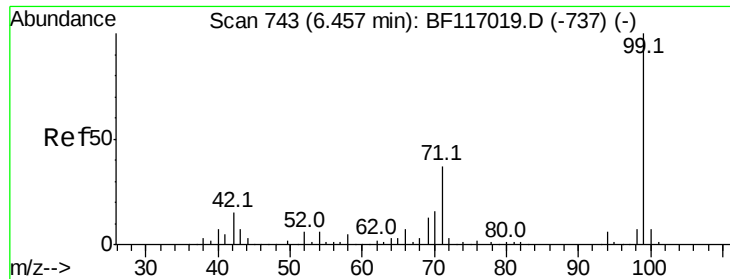
2-Fluorophenol
 Concen: 31.555 ng
 RT: 5.44 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: BF117202.D
 Acq: 20 Sep 2019 22:43

Tgt Ion:112 Resp: 85806
 Ion Ratio Lower Upper
 112 100
 64 57.2 45.7 68.5
 63 33.1 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: 20.423 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.03 min

Lab File: BF117202.D

Acq: 20 Sep 2019 22:43

Instrument :

BNA_F

ClientSampleId :

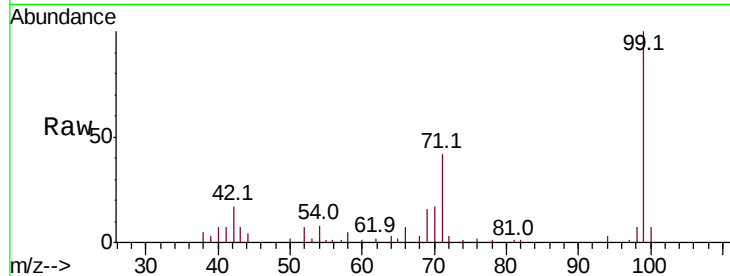
Tot Ion: 99 Resp: 71771

Ion Ratio Lower Upper

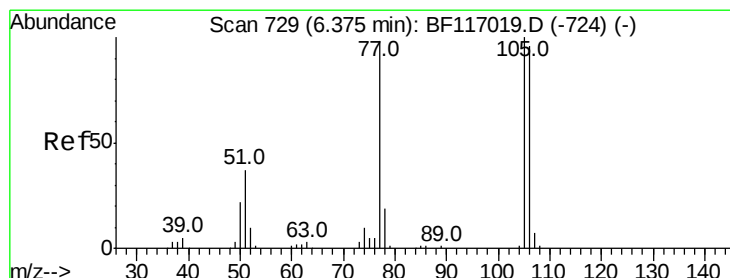
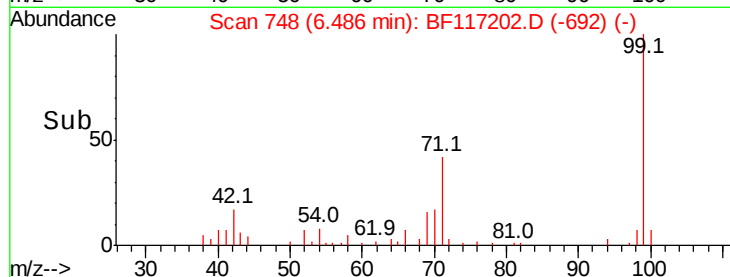
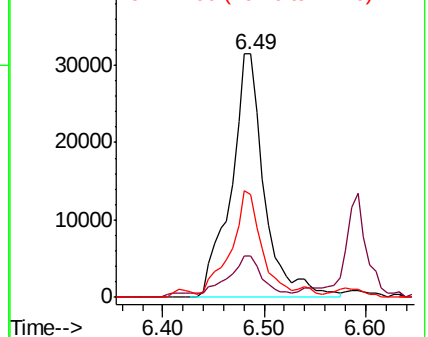
99 100

42 17.2 12.2 18.2

71 42.3 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: 6.59 min Scan# 766

Delta R.T. 0.22 min

Lab File: BF117202.D

Acq: 20 Sep 2019 22:43

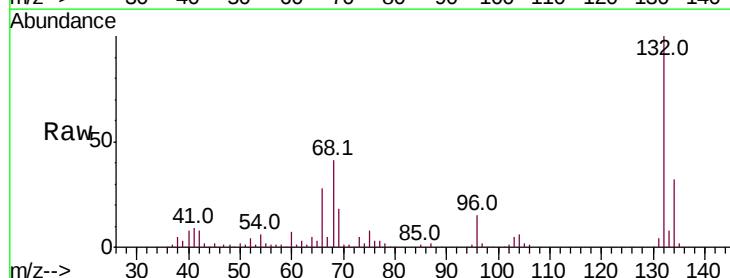
Tgt Ion: 77 Resp: 4934

Ion Ratio Lower Upper

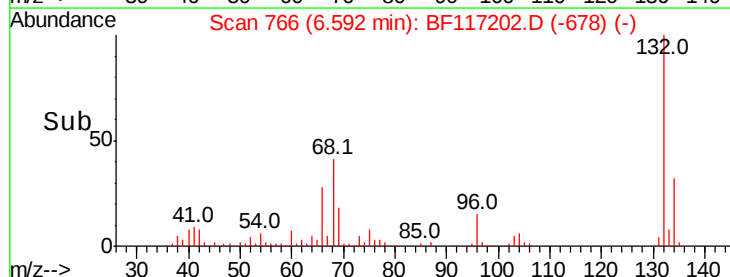
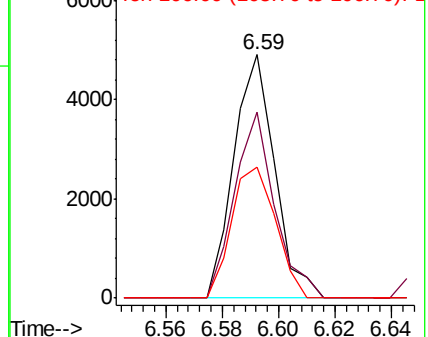
77 100

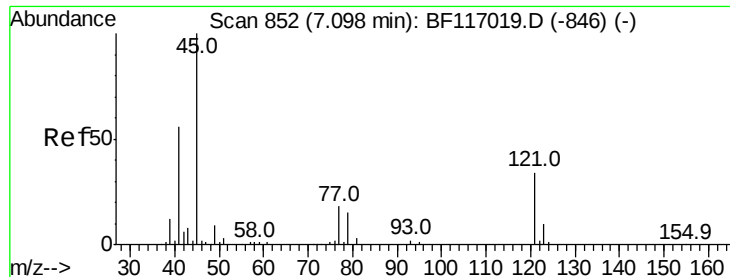
105 76.4 81.8 121.8#

106 53.8 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

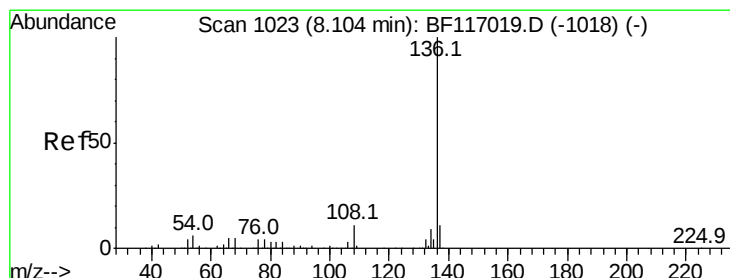
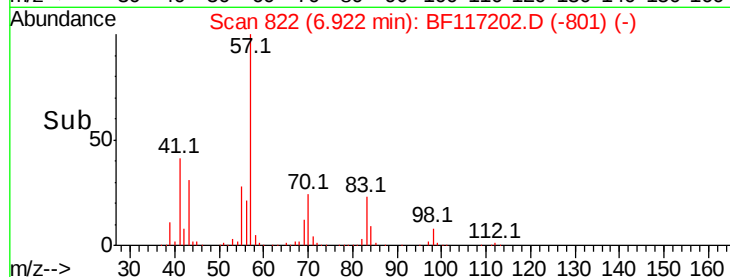
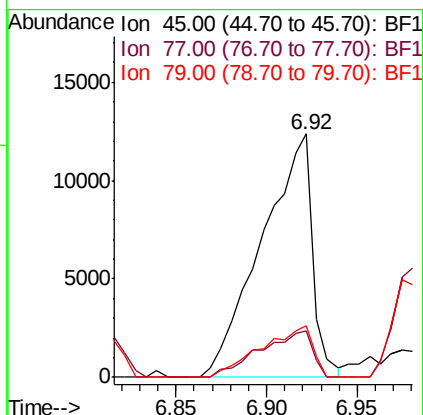
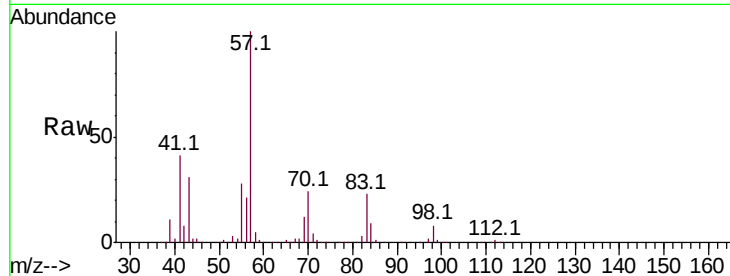




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 8.579 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.18 min
Lab File: BF117202.D
Acq: 20 Sep 2019 22:43

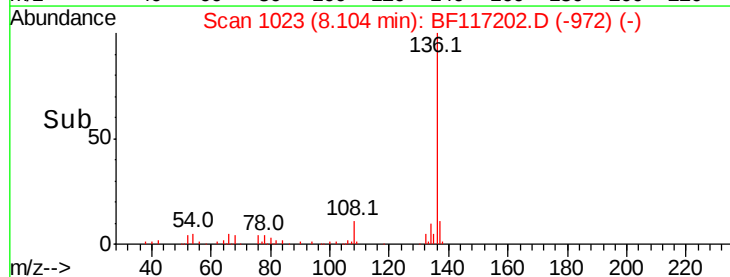
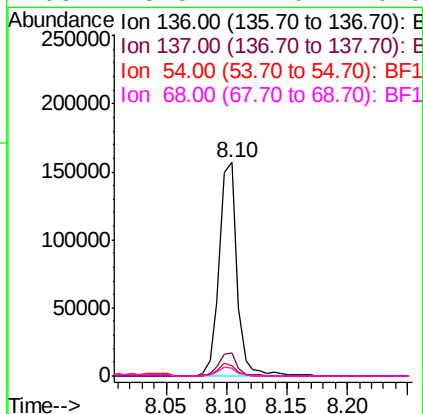
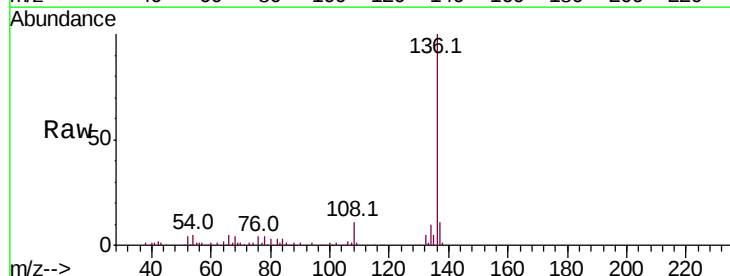
Instrument :
BNA_F
ClientSampleId :

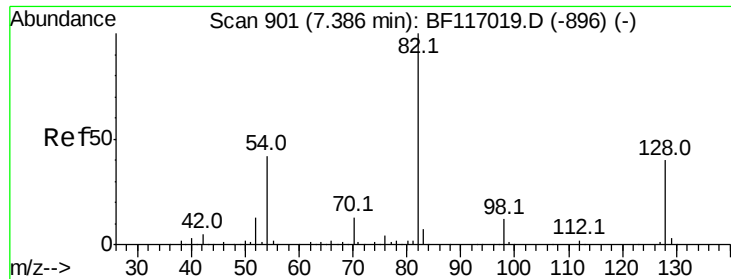
Tot Ion: 45 Resp: 24134
Ion Ratio Lower Upper
45 100
77 19.3 2.7 42.7
79 21.1 0.0 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF117202.D
Acq: 20 Sep 2019 22:43

Tgt Ion: 136 Resp: 160726
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 5.0 4.5 6.7
68 3.8 4.0 6.0#

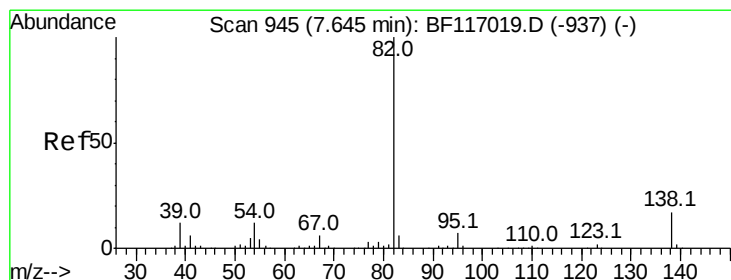
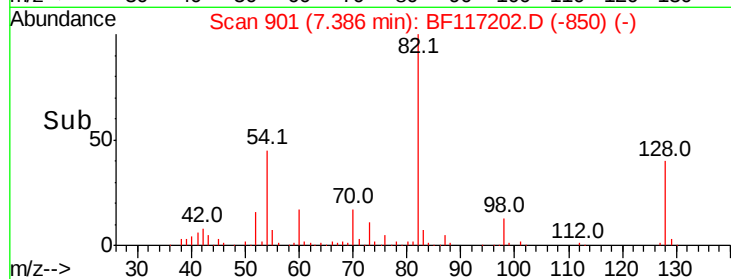
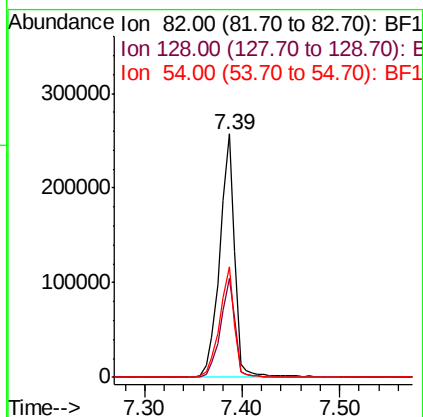
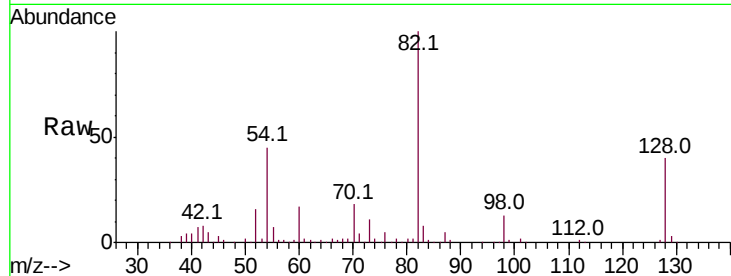




#23
Nitrobenzene-d5
Concen: 89.933 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF117202.D
Acq: 20 Sep 2019 22:43

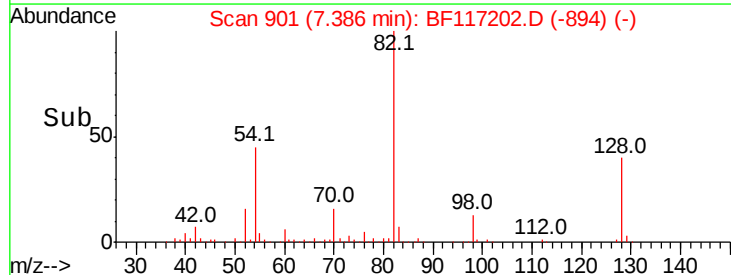
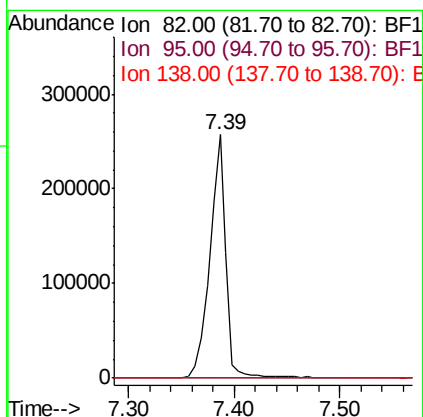
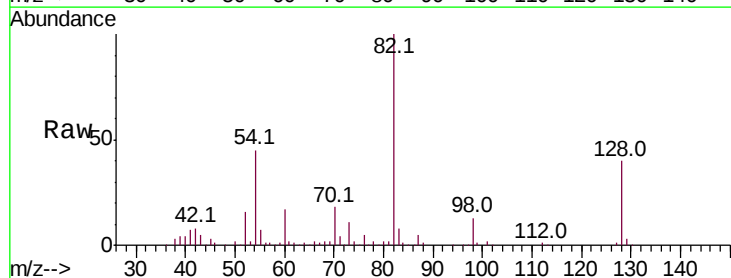
Instrument :
BNA_F
ClientSampleId :

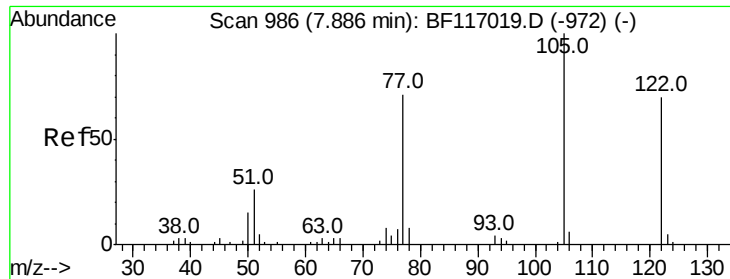
Tot Ion	82	Resp	275104
Ion	Ratio	Lower	Upper
82	100		
128	40.5	32.3	48.5
54	45.4	33.3	49.9



#25
Isophorone
Concen: 49.742 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF117202.D
Acq: 20 Sep 2019 22:43

Tgt Ion	82	Resp	269413
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#





#32

Benzoic acid

Concen: 18.996 ng

RT: 8.06 min Scan# 1016

Delta R.T. 0.18 min

Lab File: BF117202.D

Acq: 20 Sep 2019 22:43

Instrument :

BNA_F

ClientSampleId :

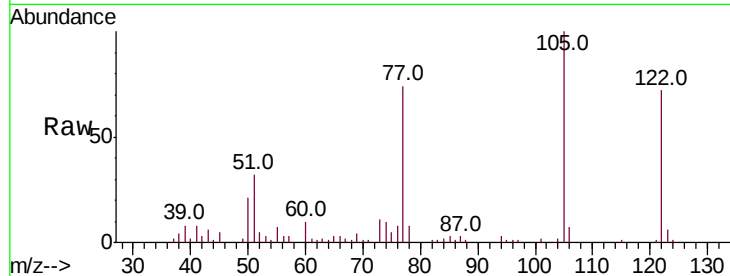
Tot Ion:122 Resp: 22338

Ion Ratio Lower Upper

122 100

105 138.1 114.8 154.8

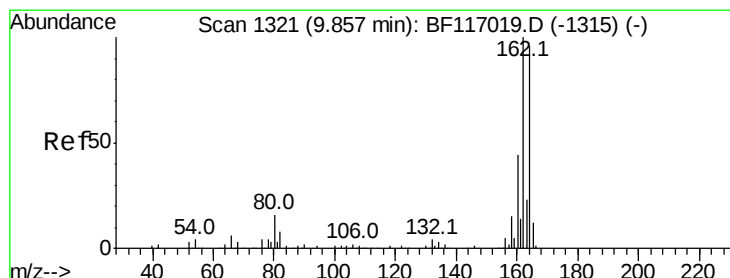
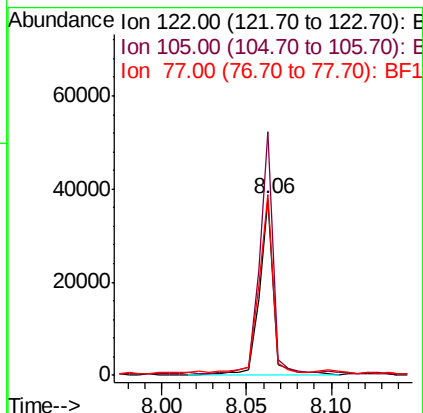
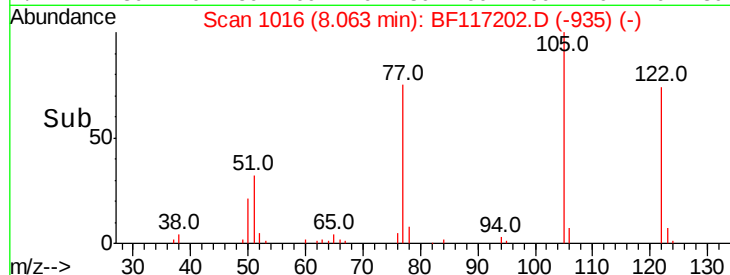
77 102.3 78.7 118.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117202.D

Acq: 20 Sep 2019 22:43

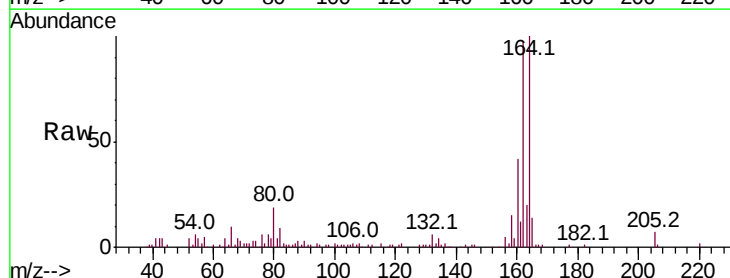
Tgt Ion:164 Resp: 76418

Ion Ratio Lower Upper

164 100

162 97.3 83.4 125.2

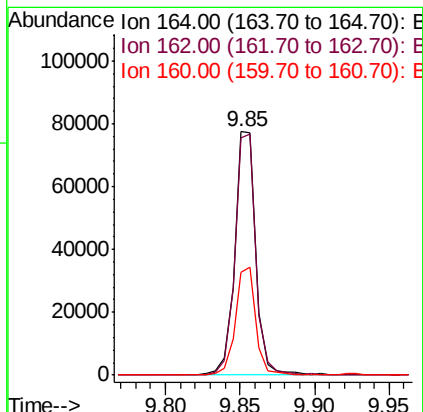
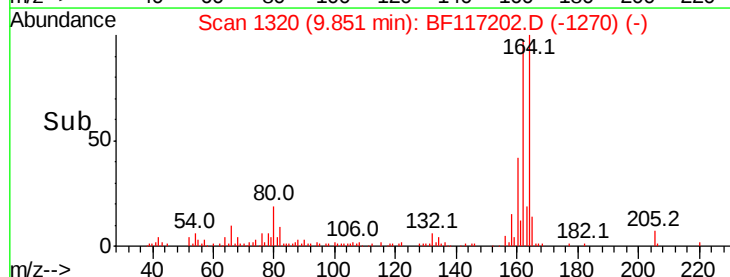
160 42.4 36.4 54.6

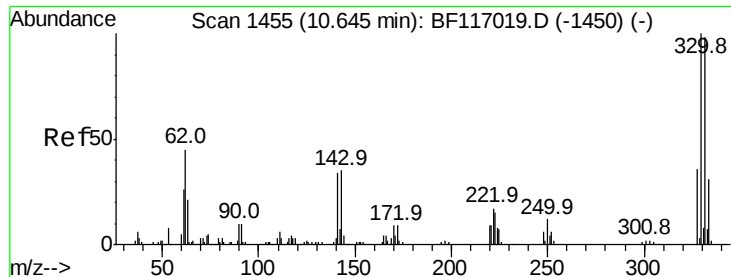


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

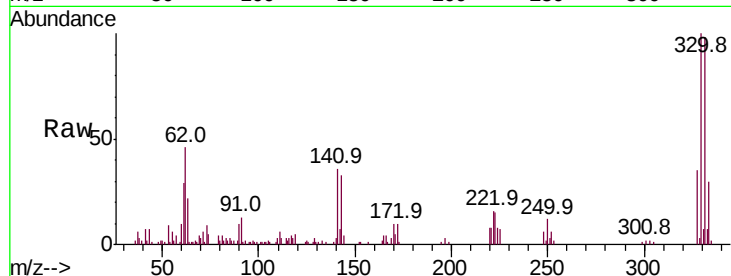




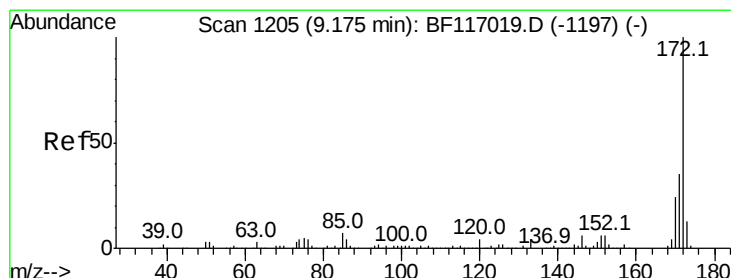
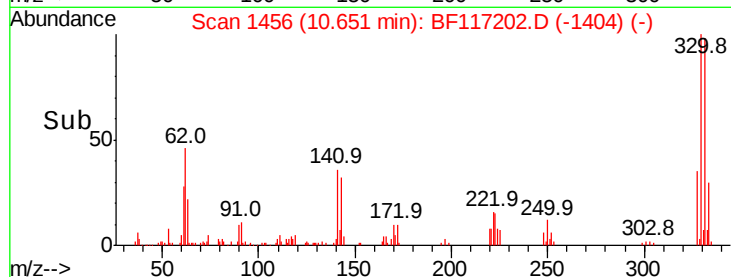
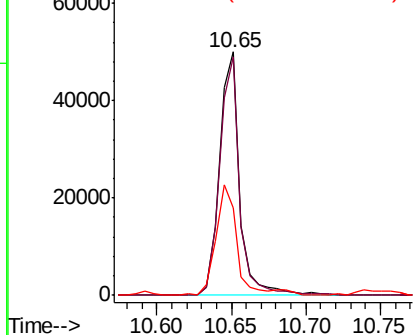
#42
 2,4,6-Tribromophenol
 Concen: 74.580 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. 0.01 min
 Lab File: BF117202.D
 Acq: 20 Sep 2019 22:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 47633
 Ion Ratio Lower Upper
 330 100
 332 96.7 78.0 117.0
 141 47.7 35.8 53.6

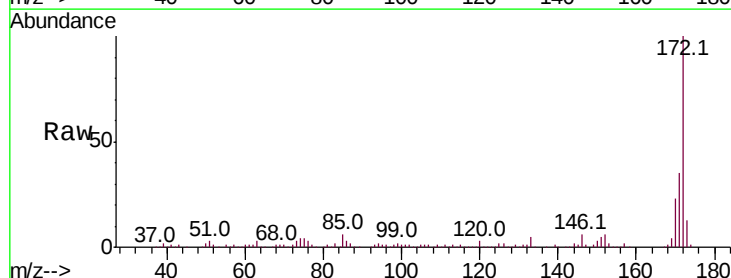


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

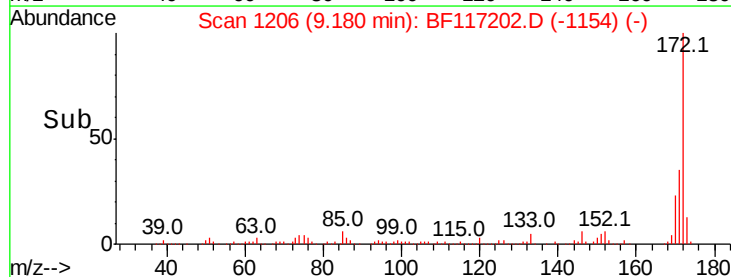
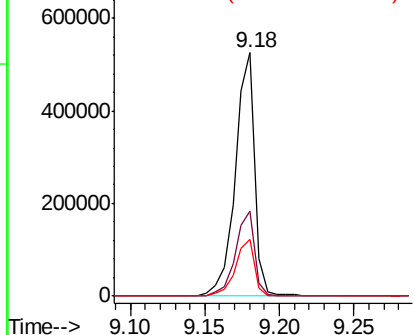


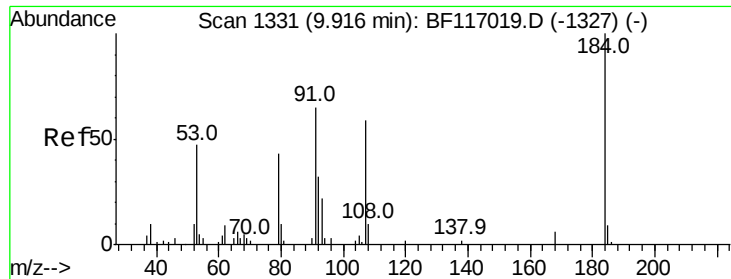
#45
 2-Fluorobiphenyl
 Concen: 98.485 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: BF117202.D
 Acq: 20 Sep 2019 22:43

Tgt Ion:172 Resp: 481334
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.2 42.2
 170 23.1 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





#54

2,4-Dinitrophenol

Concen: 9.390 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.02 min

Lab File: BF117202.D

Acq: 20 Sep 2019 22:43

Instrument :

BNA_F

ClientSampleId :

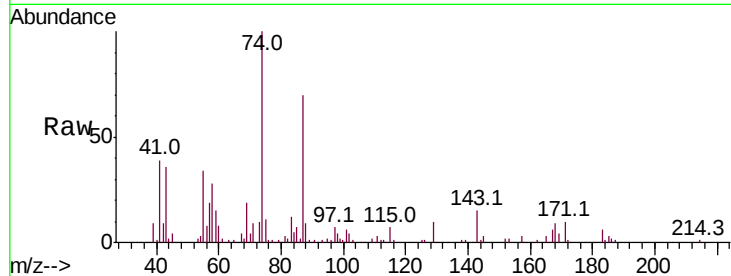
Tot Ion:184 Resp: 120

Ion Ratio Lower Upper

184 100

63 120.6 63.8 95.6#

154 0.0 60.4 90.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

600

500

400

300

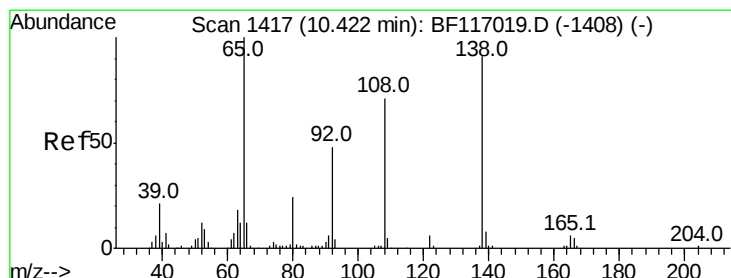
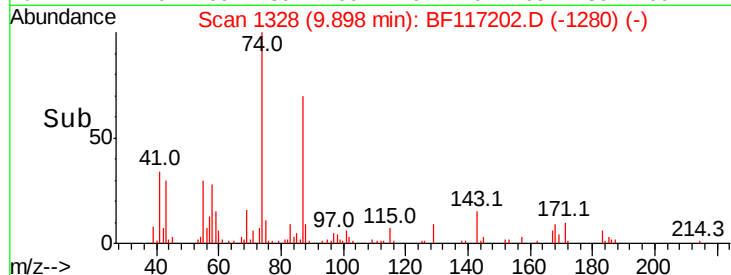
200

100

0

9.88 9.89 9.90 9.91

Time-->



#62

4-Nitroaniline

Concen: 47.428 ng

RT: 10.27 min Scan# 1391

Delta R.T. -0.15 min

Lab File: BF117202.D

Acq: 20 Sep 2019 22:43

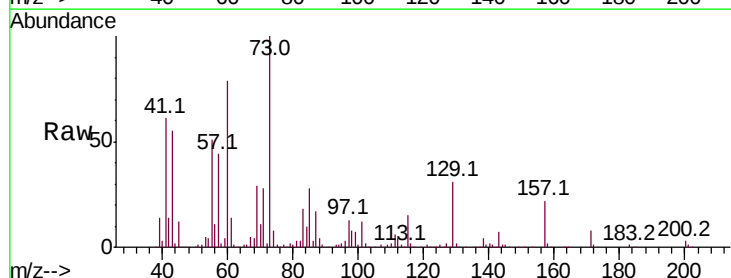
Tgt Ion:138 Resp: 68578

Ion Ratio Lower Upper

138 100

92 0.0 32.9 72.9#

108 7.9 58.3 98.3#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E

15000

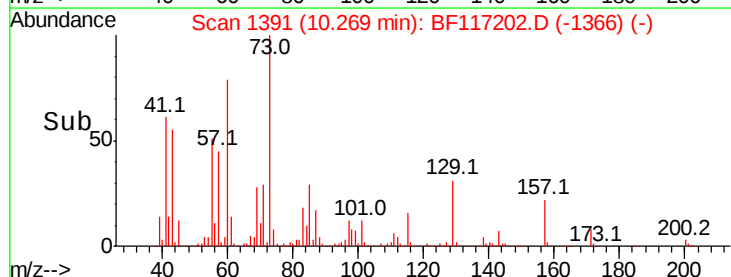
10000

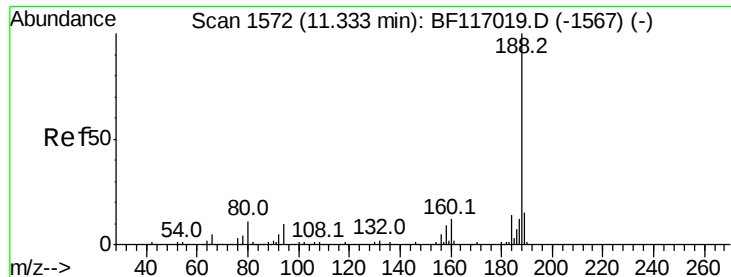
5000

0

10.10 10.20 10.30

Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF117202.D

Acq: 20 Sep 2019 22:43

Instrument :

BNA_F

ClientSampleId :

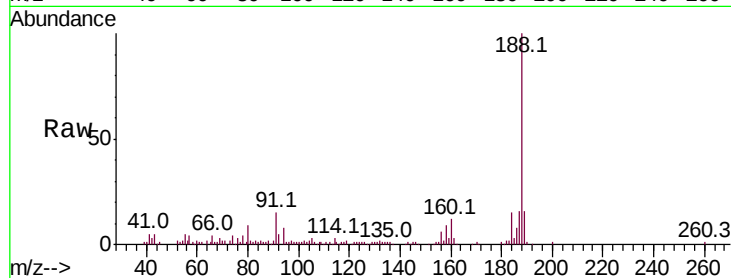
Tot Ion:188 Resp: 96003

Ion Ratio Lower Upper

188 100

94 8.5 8.2 12.2

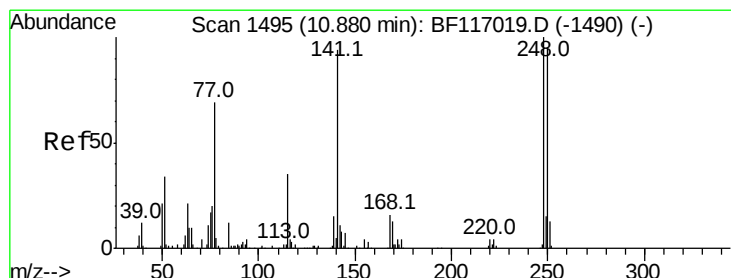
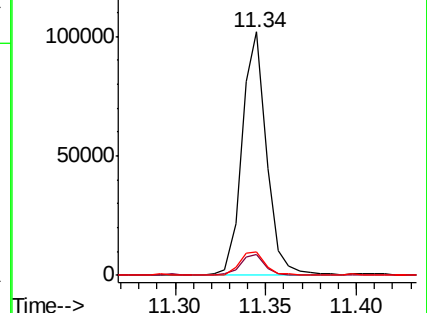
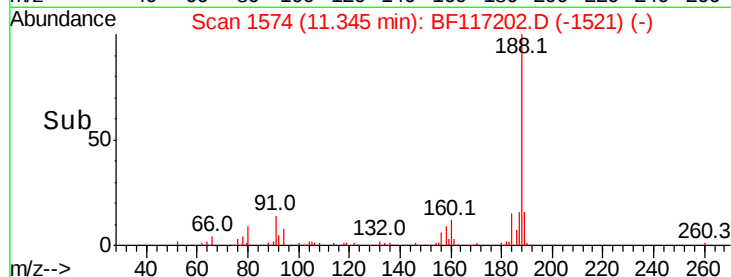
80 9.4 9.0 13.6



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: 2.978 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.23 min

Lab File: BF117202.D

Acq: 20 Sep 2019 22:43

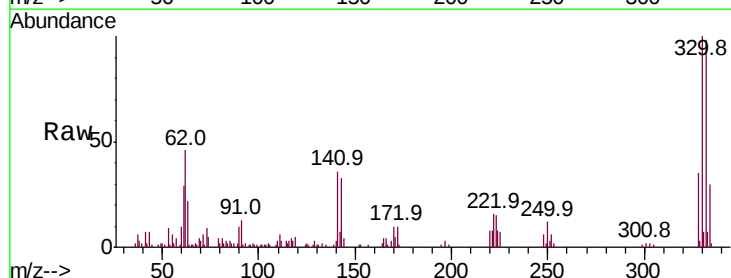
Tgt Ion:248 Resp: 2920

Ion Ratio Lower Upper

248 100

250 201.3 76.2 114.4#

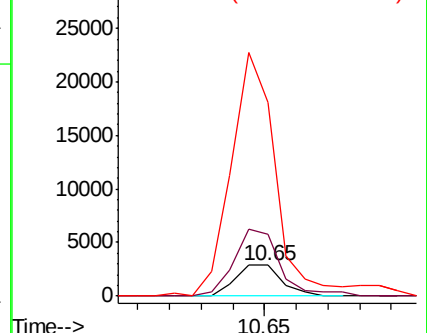
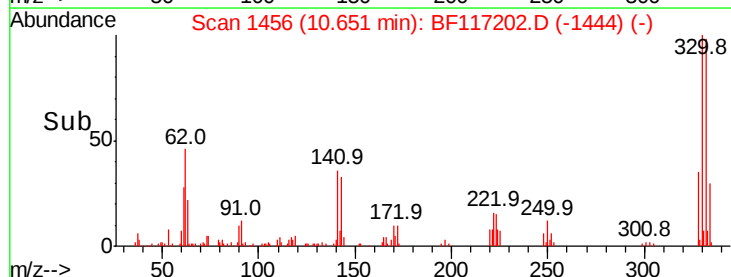
141 624.7 75.0 112.4#

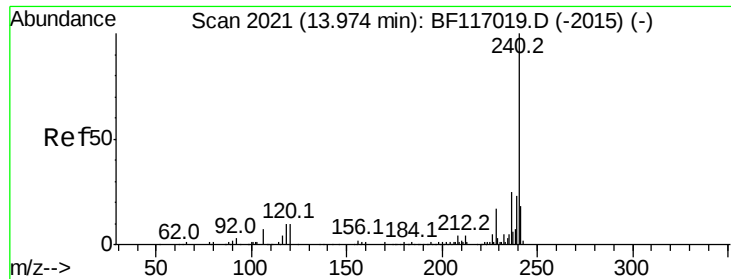


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

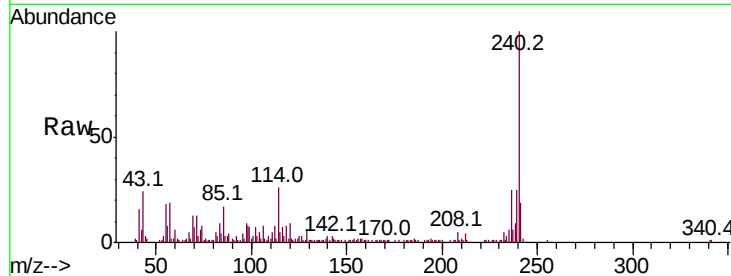




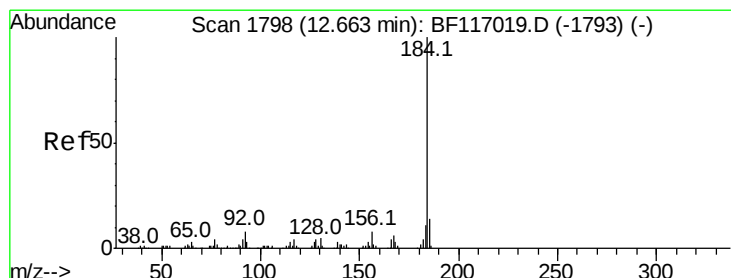
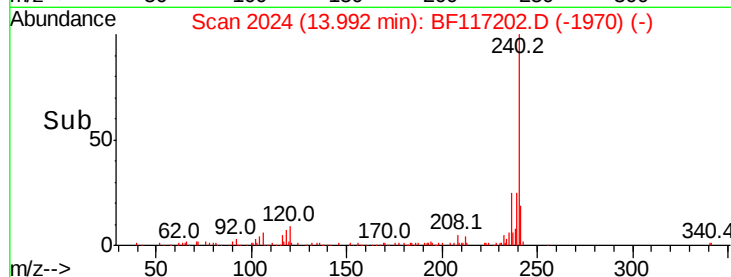
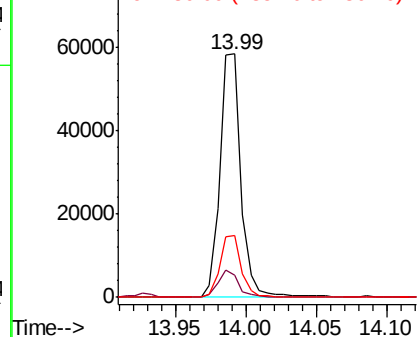
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.02 min
 Lab File: BF117202.D
 Acq: 20 Sep 2019 22:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 60537
 Ion Ratio Lower Upper
 240 100
 120 9.2 8.3 12.5
 236 25.4 20.3 30.5

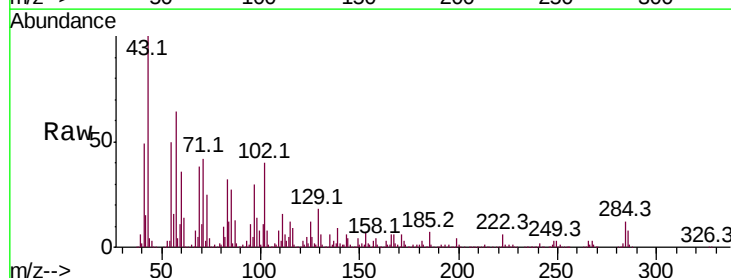


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

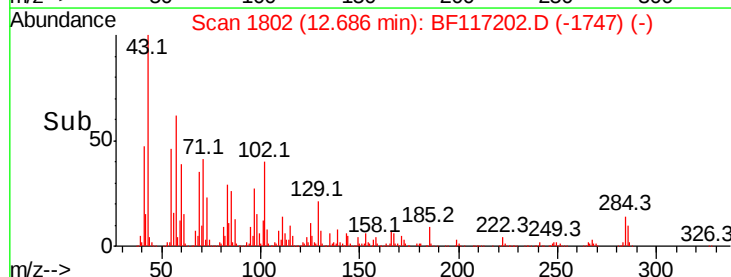
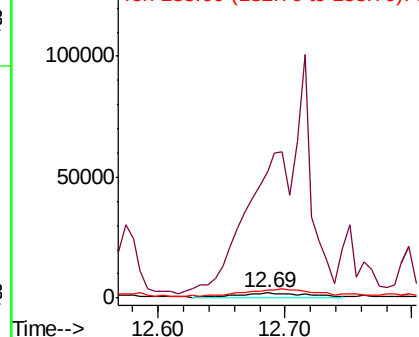


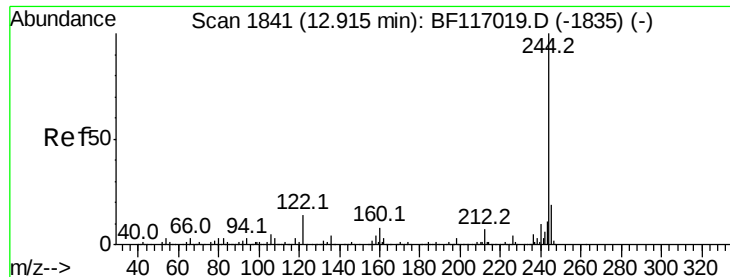
#77
 Benzidine
 Concen: 3.138 ng
 RT: 12.69 min Scan# 1802
 Delta R.T. 0.02 min
 Lab File: BF117202.D
 Acq: 20 Sep 2019 22:43

Tgt Ion:184 Resp: 6119
 Ion Ratio Lower Upper
 184 100
 185 2541.4 11.6 17.4#
 183 156.1 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





#79

Terphenyl-d14

Concen: 92.334 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.04 min

Lab File: BF117202.D

Acq: 20 Sep 2019 22:43

Instrument :

BNA_F

ClientSampleId :

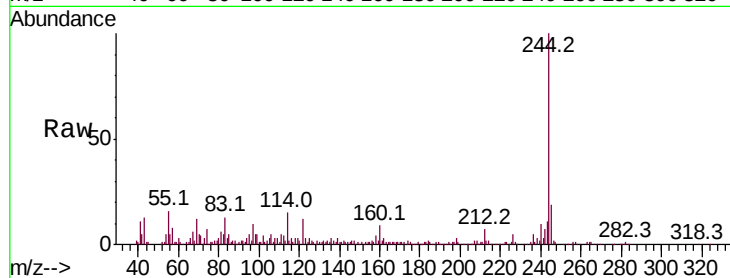
Tot Ion:244 Resp: 299034

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

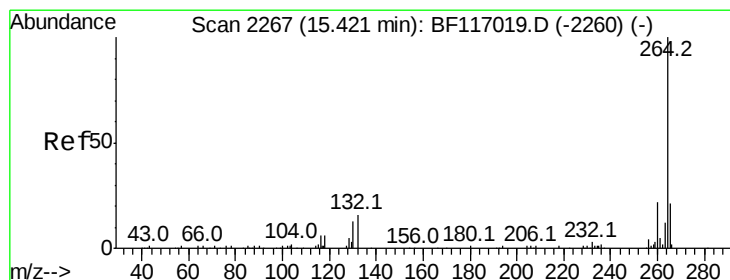
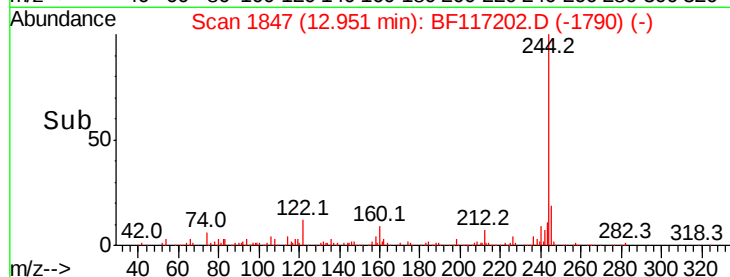
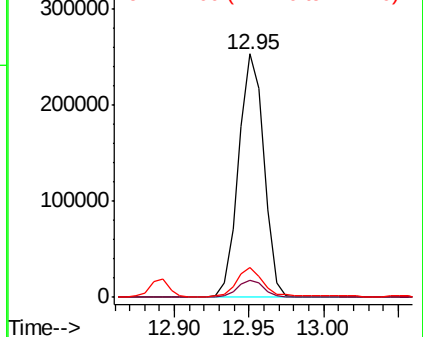
122 12.2 11.3 16.9



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

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.01 min

Lab File: BF117202.D

Acq: 20 Sep 2019 22:43

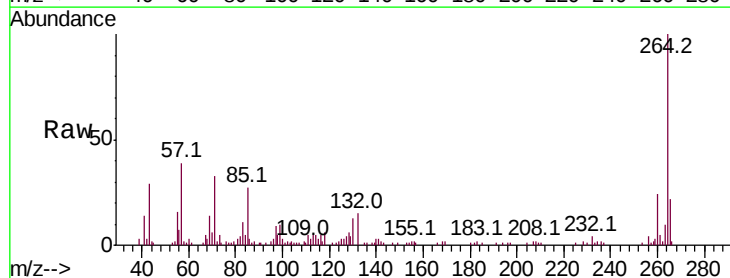
Tgt Ion:264 Resp: 60164

Ion Ratio Lower Upper

264 100

260 24.3 17.6 26.4

265 22.4 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

