

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100119\
 Data File : BF117290.D
 Acq On : 1 Oct 2019 21:23
 Operator : JU
 Sample : K4946-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

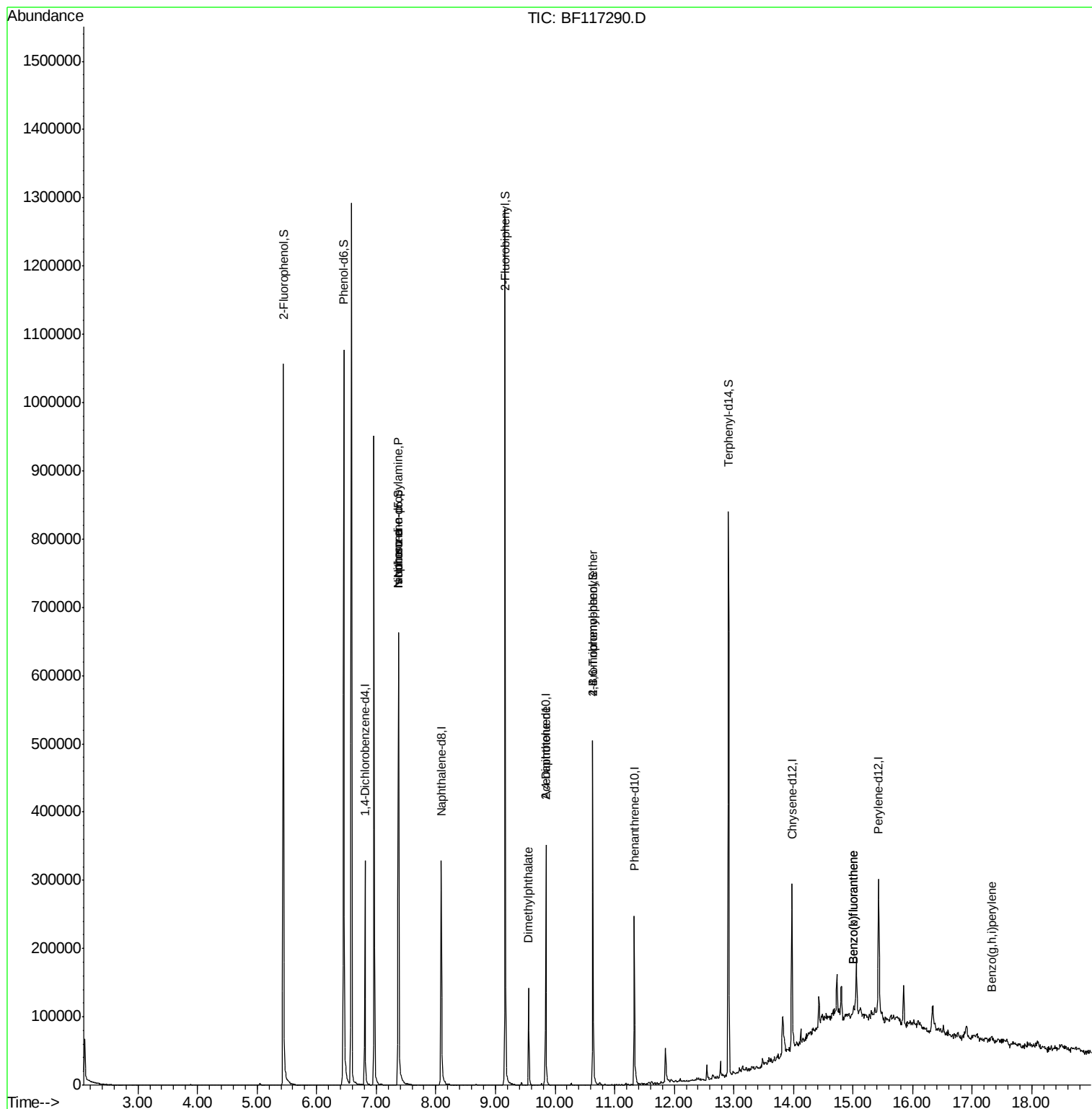
Quant Time: Oct 02 05:59:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

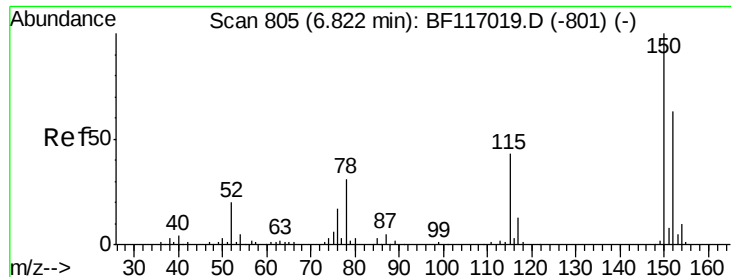
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	50955	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	185799	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	78605	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	105508	20.00	ng	0.00
76) Chrysene-d12	13.97	240	76609	20.00	ng	0.00
87) Perylene-d12	15.43	264	61636	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	324113	99.31	ng	0.00
7) Phenol-d6	6.46	99	439599	104.22	ng	0.00
23) Nitrobenzene-d5	7.37	82	264903	74.91	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	55457	84.41	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	390685	77.71	ng	-0.01
79) Terphenyl-d14	12.91	244	262376	64.02	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	608	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.37	70	35654	13.882	ng	# 78
25) Isophorone	7.37	82	264901	42.309	ng	# 66
50) Dimethylphthalate	9.56	163	60628	10.893	ng	# 98
57) 2,4-Dinitrotoluene	9.85	165	9779	6.646	ng	# 18
67) 4-Bromophenyl-phenylether	10.63	248	3648	3.386	ng	# 1
88) Benzo(b)fluoranthene	15.02	252	8750	2.344	ng	# 69
89) Benzo(k)fluoranthene	15.02	252	8750	2.474	ng	# 69
92) Benzo(g,h,i)perylene	17.33	276	6472	2.488	ng	# 77

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

```
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Acq On    : 1 Oct 2019 21:23  
Operator  : JU  
Sample    : K4946-06  
Misc      :  
ALS Vial  : 13 Sample Multiplier: 1
```

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



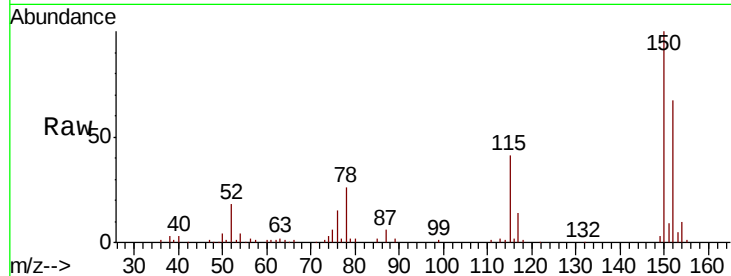


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117290.D
Acq: 1 Oct 2019 21:23

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.2	127.5	191.3
115	61.5	55.0	82.4

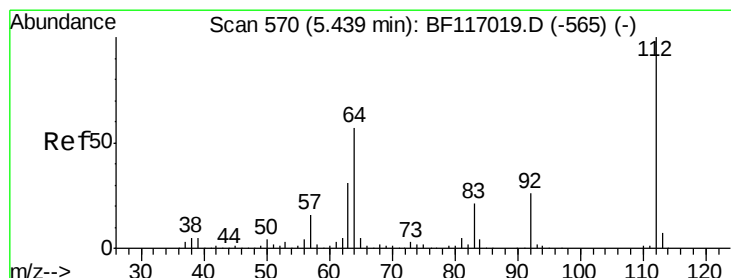
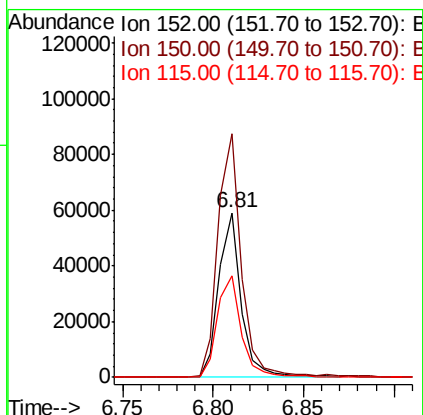
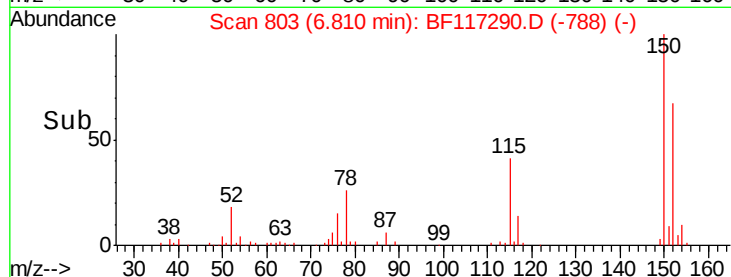


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

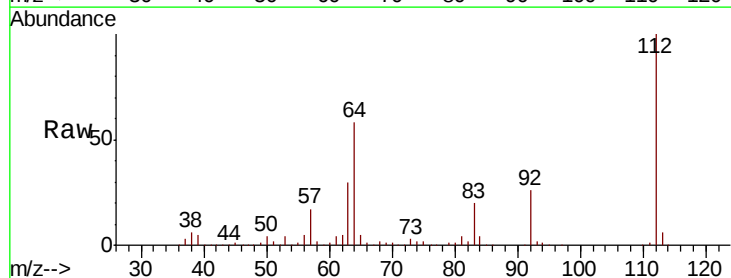
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 99.307 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF117290.D
Acq: 1 Oct 2019 21:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	45.7	68.5
63	30.2	24.9	37.3

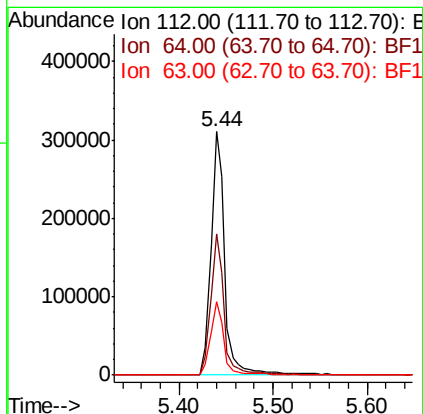
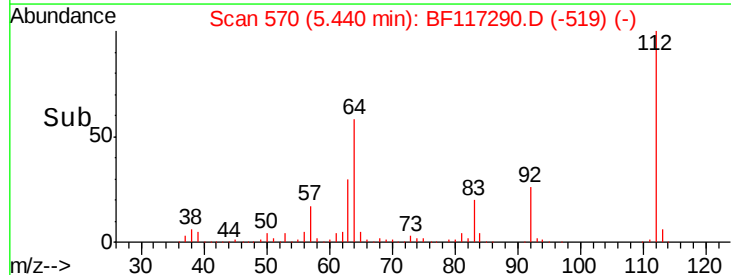


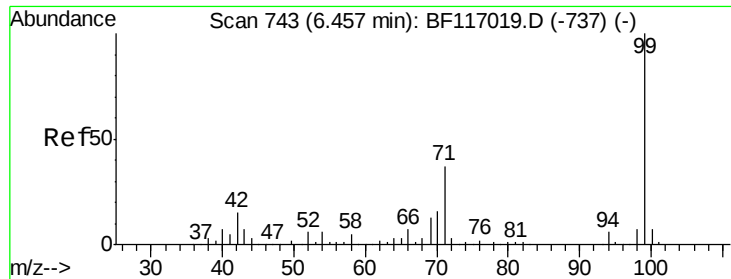
Abundance

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: 104.222 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117290.D

Acq: 1 Oct 2019 21:23

Instrument :

BNA_F

ClientSampled :

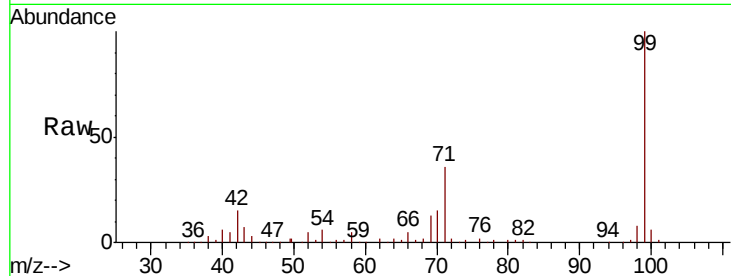
Tot Ion: 99 Resp: 439599

Ion Ratio Lower Upper

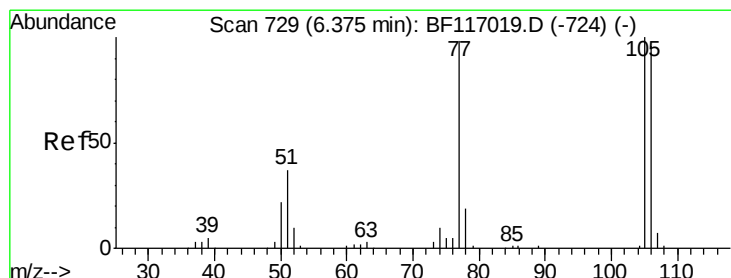
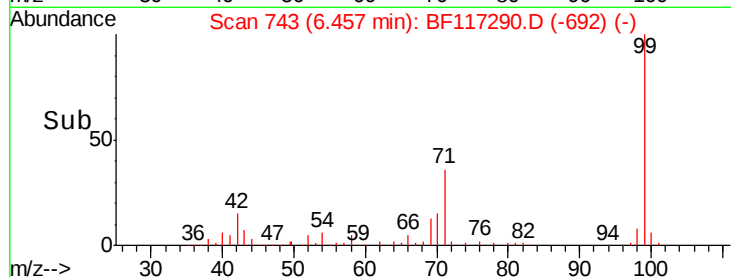
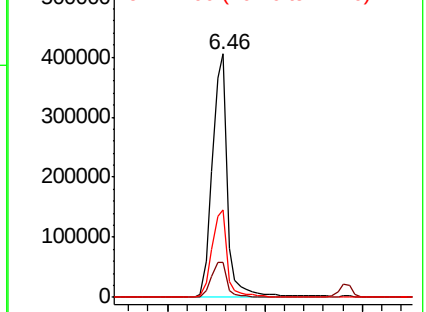
99 100

42 14.6 12.2 18.2

71 35.7 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: 6.46 min Scan# 743

Delta R.T. 0.08 min

Lab File: BF117290.D

Acq: 1 Oct 2019 21:23

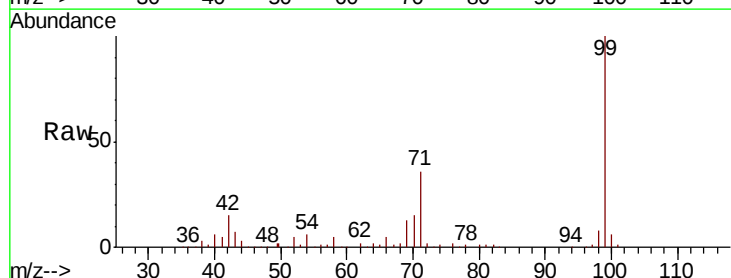
Tgt Ion: 77 Resp: 608

Ion Ratio Lower Upper

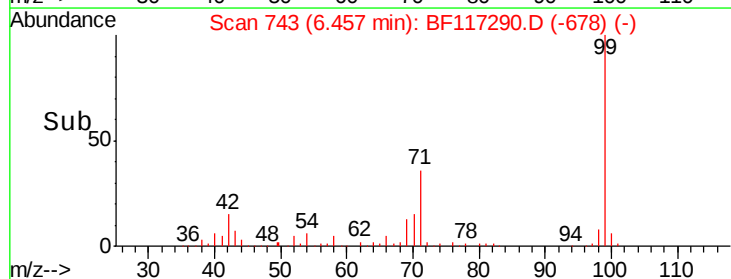
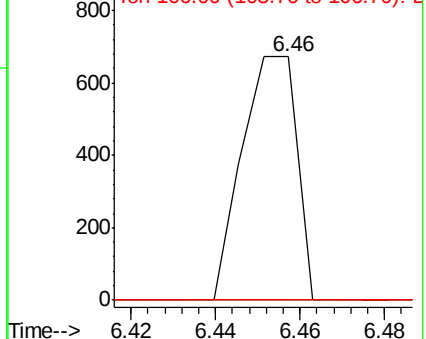
77 100

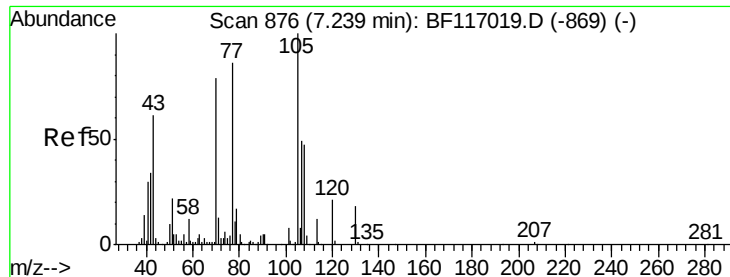
105 0.0 81.8 121.8#

106 0.0 77.3 117.3#



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

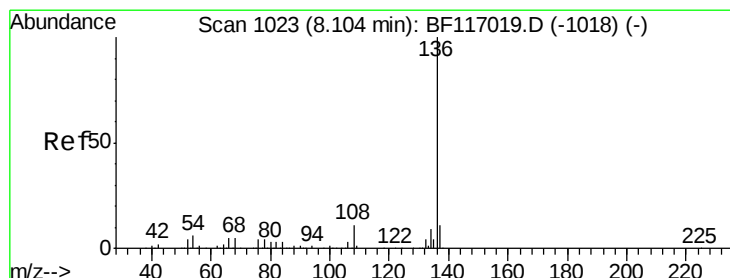
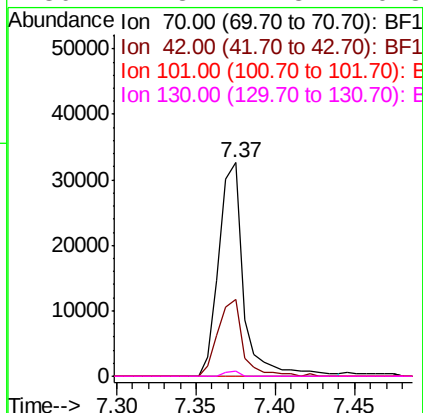
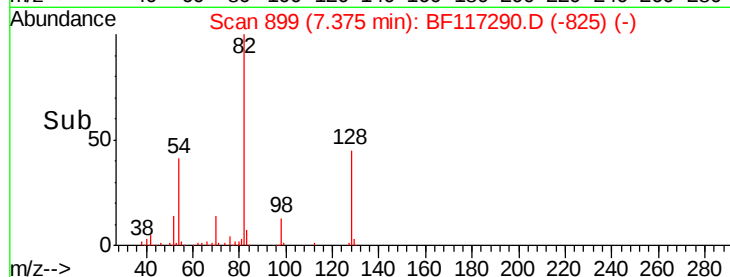
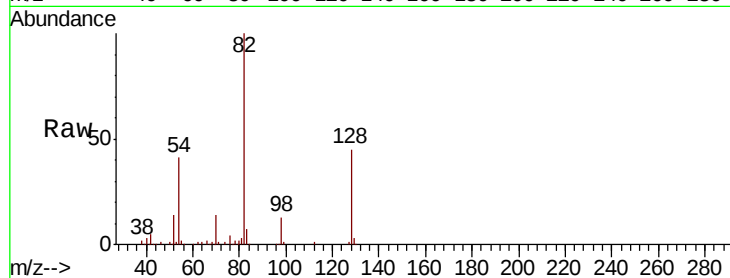




#19
n-Nitroso-di-n-propylamine
Concen: 13.882 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.14 min
Lab File: BF117290.D
Acq: 1 Oct 2019 21:23

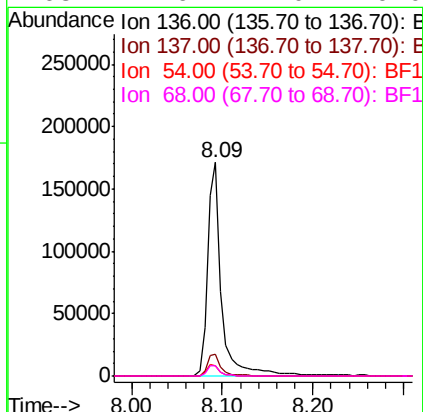
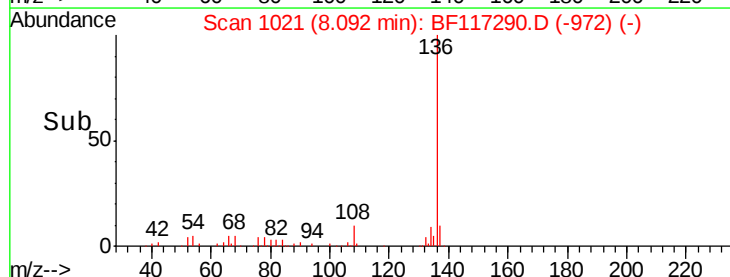
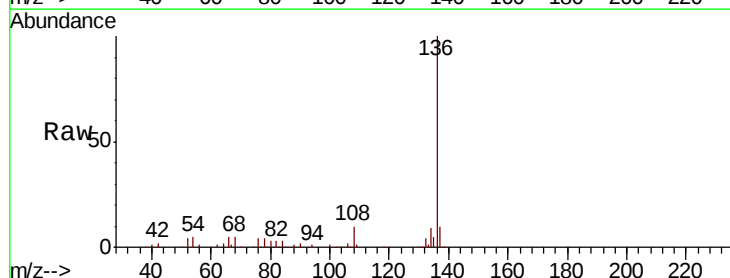
Instrument :
BNA_F
ClientSampled :

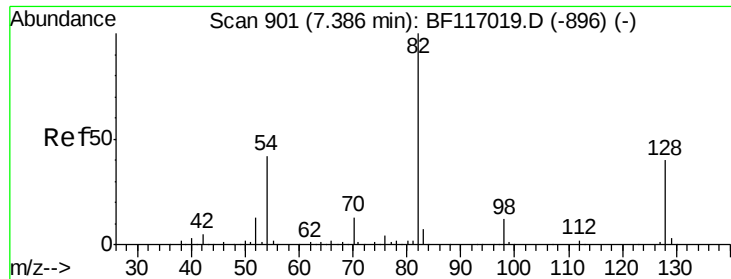
Tot Ion: 70 Resp: 35654
Ion Ratio Lower Upper
70 100
42 35.9 34.0 51.0
101 0.0 7.8 11.6#
130 2.3 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117290.D
Acq: 1 Oct 2019 21:23

Tgt Ion: 136 Resp: 185799
Ion Ratio Lower Upper
136 100
137 10.3 9.0 13.4
54 4.9 4.5 6.7
68 4.6 4.0 6.0

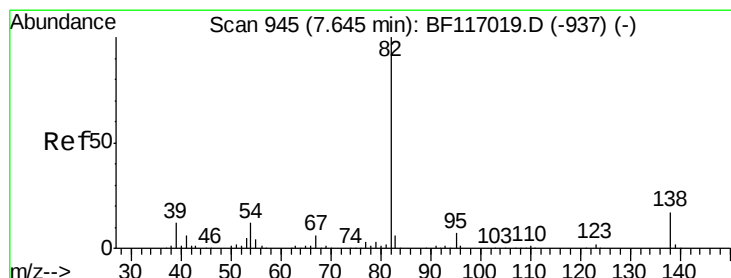
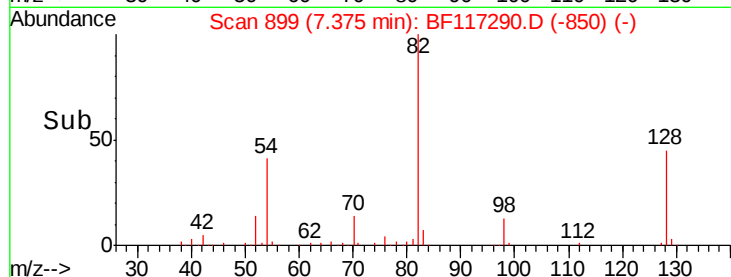
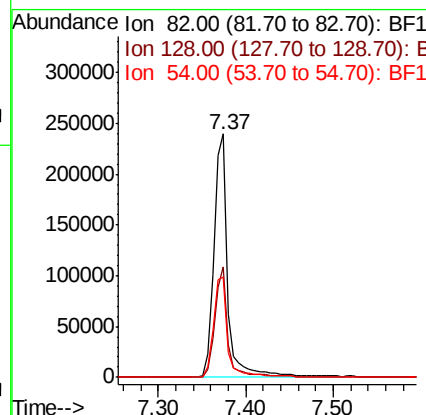
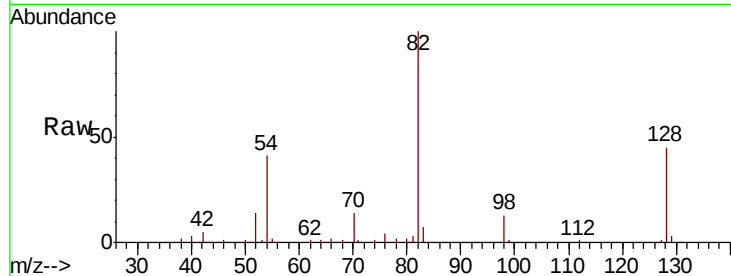




#23
 Nitrobenzene-d5
 Concen: 74.912 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF117290.D
 Acq: 1 Oct 2019 21:23

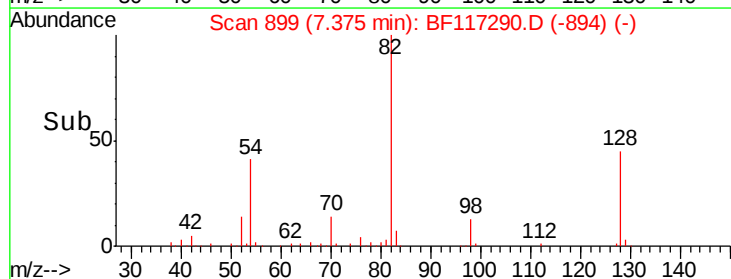
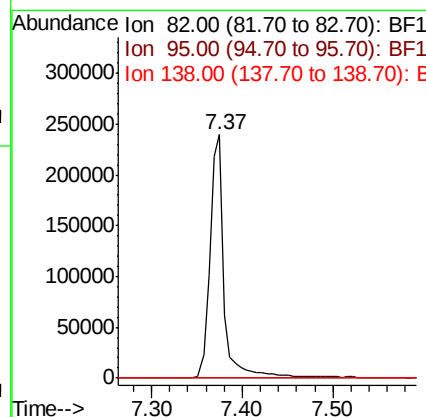
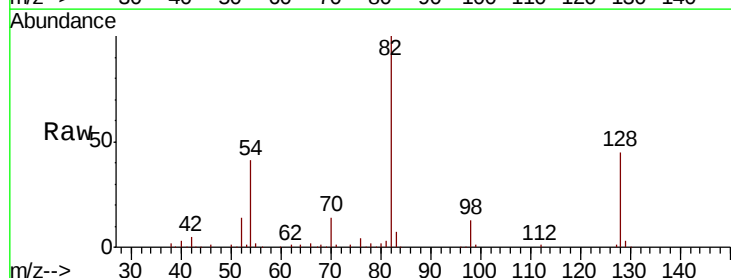
Instrument :
 BNA_F
 ClientSampleId :

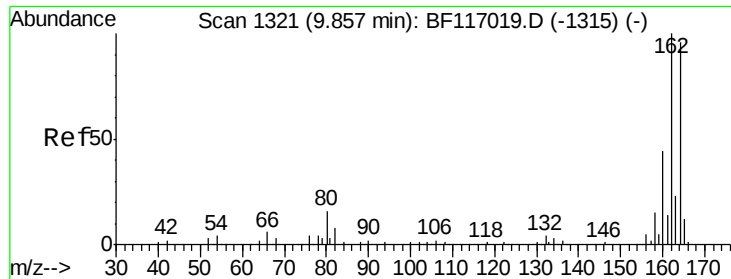
Tot Ion	82	Resp	264903
Ion Ratio	Lower	Upper	
82	100		
128	45.3	32.3	48.5
54	41.2	33.3	49.9



#25
 Isophorone
 Concen: 42.309 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.27 min
 Lab File: BF117290.D
 Acq: 1 Oct 2019 21:23

Tgt Ion	82	Resp	264901
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

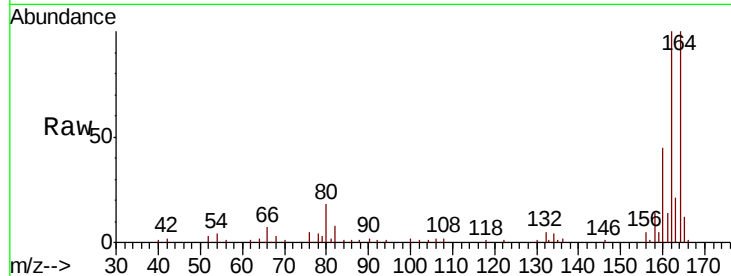




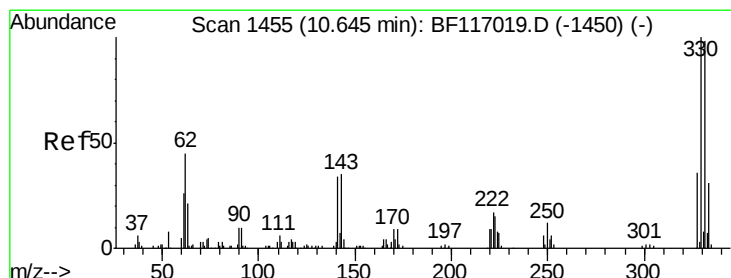
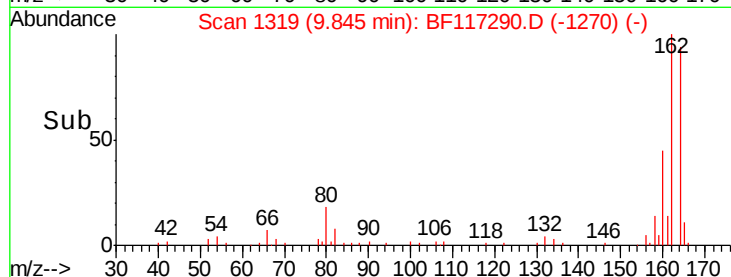
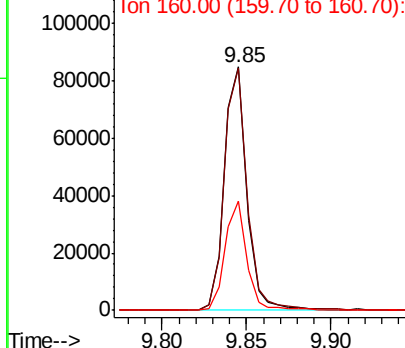
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117290.D
Acq: 1 Oct 2019 21:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 78605
Ion Ratio Lower Upper
164 100
162 99.6 83.4 125.2
160 44.7 36.4 54.6

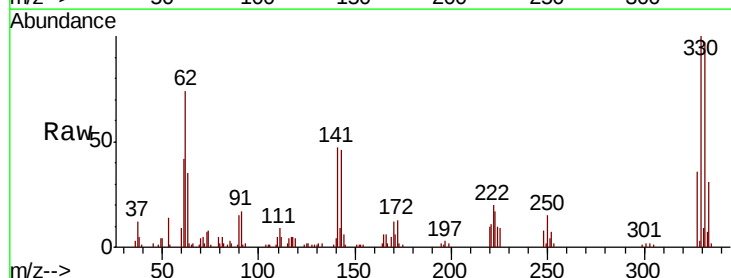


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

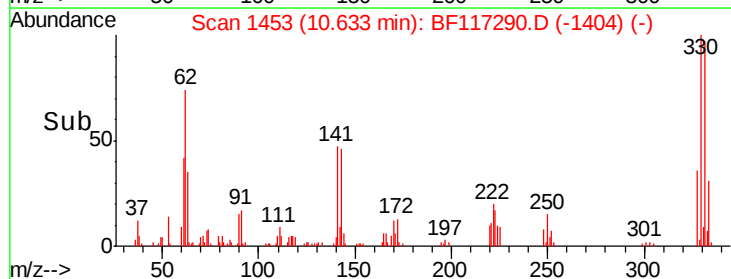
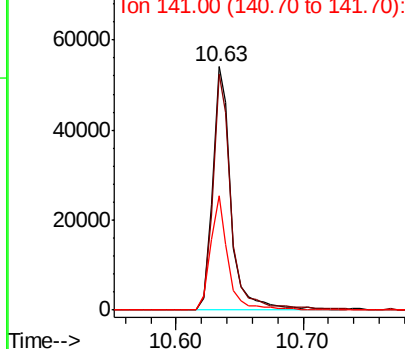


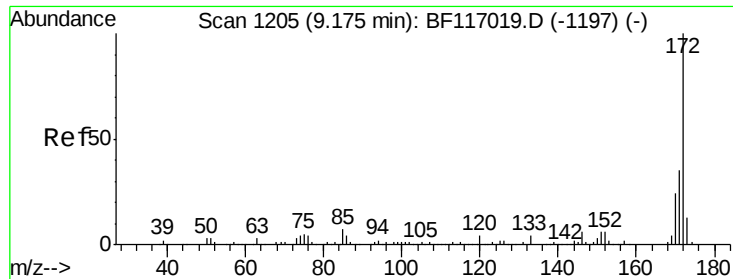
#42
2,4,6-Tribromophenol
Concen: 84.415 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF117290.D
Acq: 1 Oct 2019 21:23

Tgt Ion:330 Resp: 55457
Ion Ratio Lower Upper
330 100
332 97.5 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

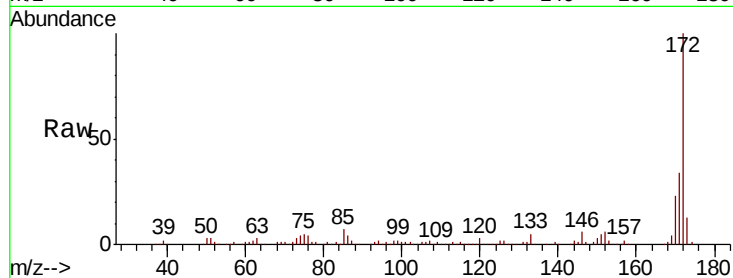




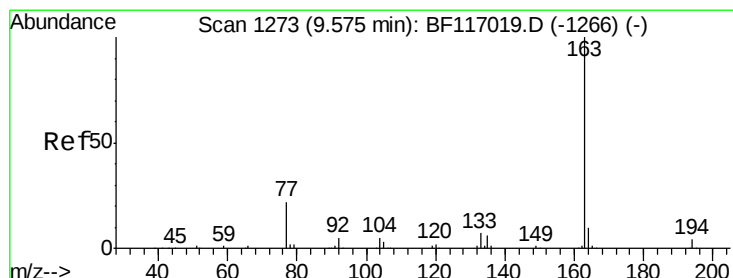
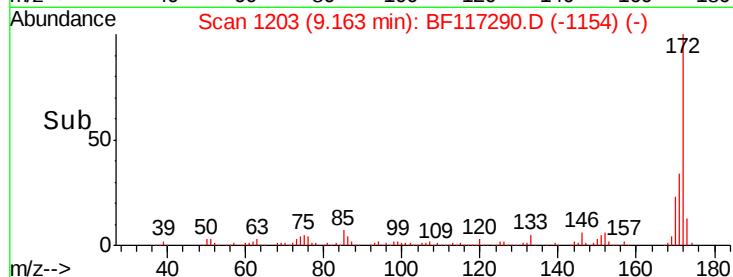
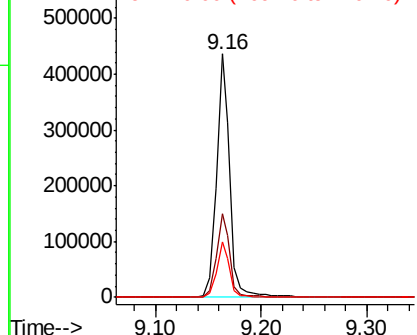
#45
2-Fluorobiphenyl
Concen: 77.713 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF117290.D
Acq: 1 Oct 2019 21:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 390685
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.2
170 22.9 18.9 28.3

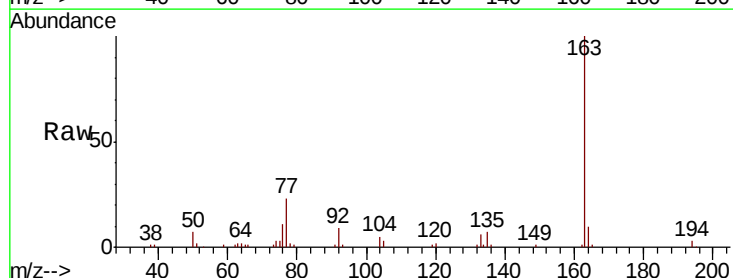


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

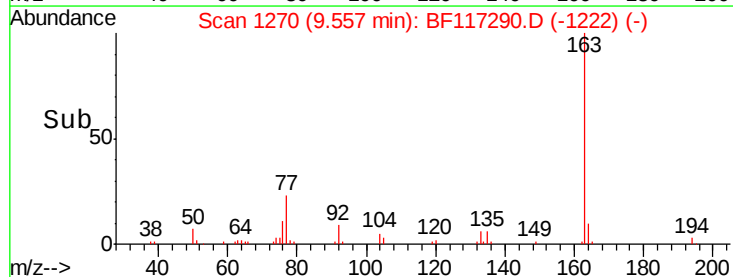
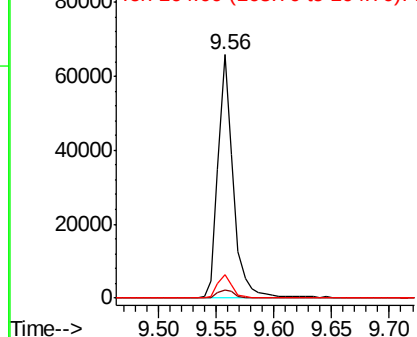


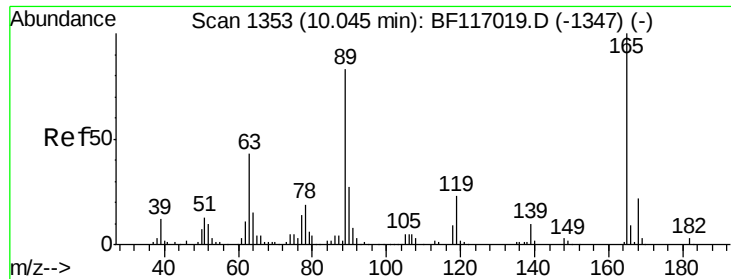
#50
Dimethylphthalate
Concen: 10.893 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF117290.D
Acq: 1 Oct 2019 21:23

Tgt Ion:163 Resp: 60628
Ion Ratio Lower Upper
163 100
194 3.3 2.9 4.3
164 9.7 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

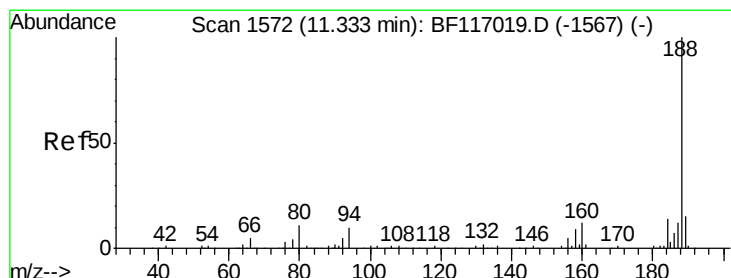
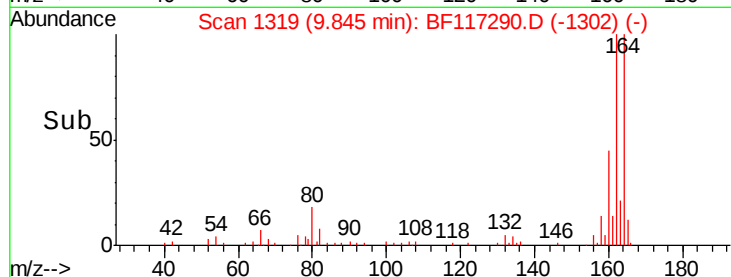
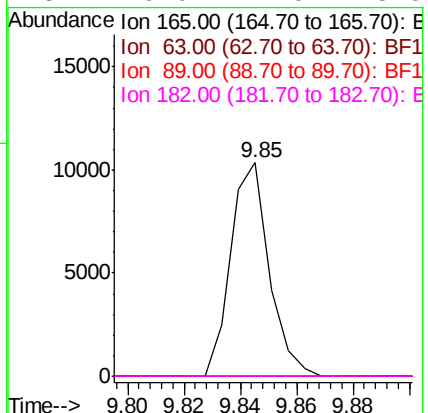
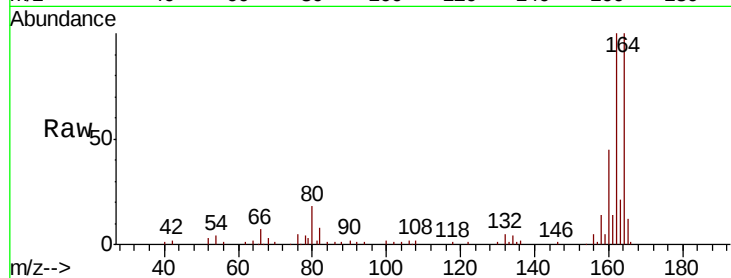




#57
 2,4-Dinitrotoluene
 Concen: 6.646 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF117290.D
 Acq: 1 Oct 2019 21:23

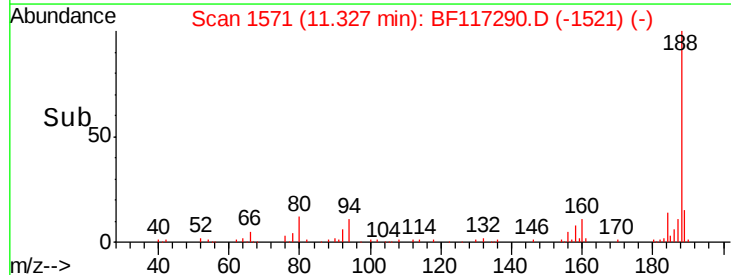
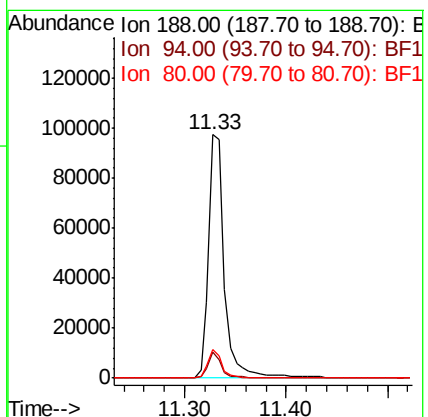
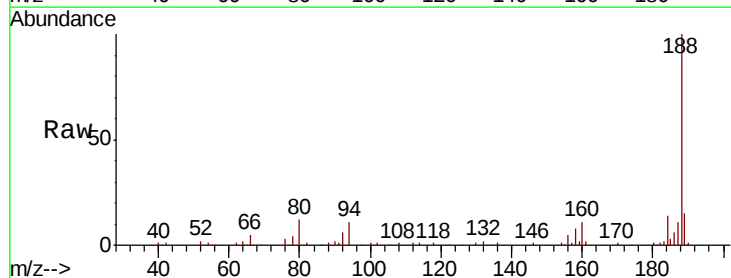
Instrument :
 BNA_F
 ClientSampleId :

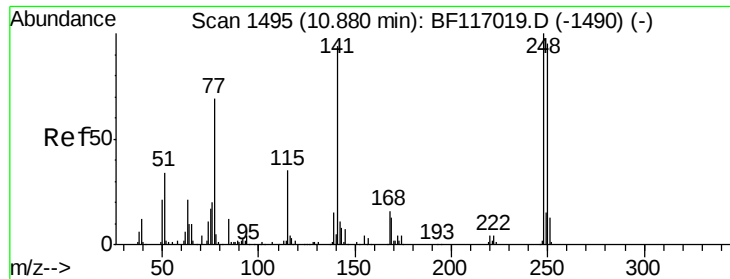
Tot Ion:165 Resp: 9779
 Ion Ratio Lower Upper
 165 100
 63 0.0 35.0 52.4#
 89 0.0 66.1 99.1#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF117290.D
 Acq: 1 Oct 2019 21:23

Tgt Ion:188 Resp: 105508
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.2 12.2
 80 11.9 9.0 13.6

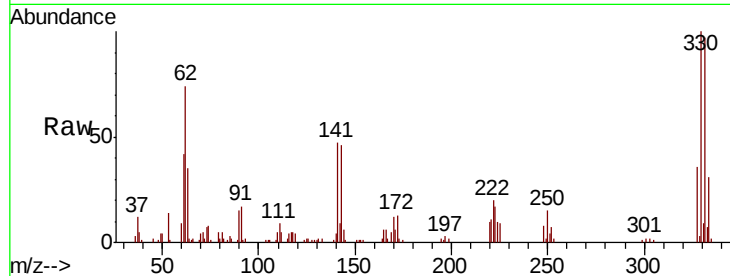




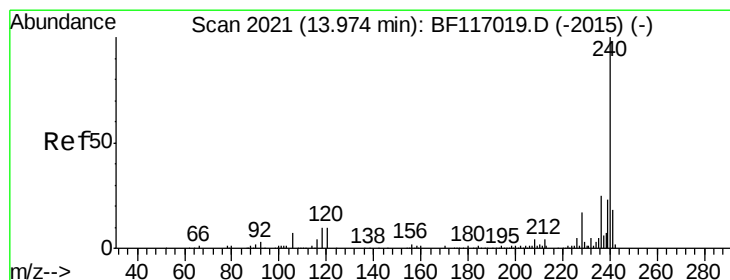
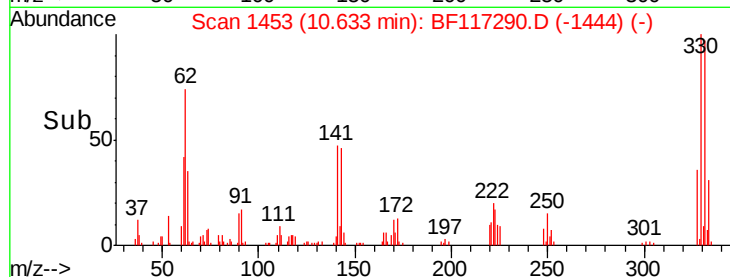
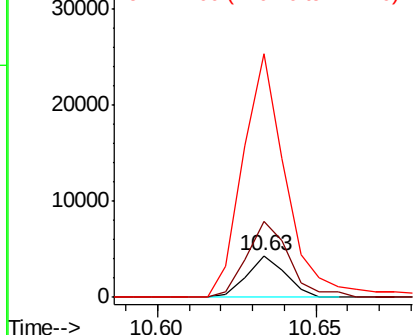
#67
4-Bromophenyl-phenylether
Concen: 3.386 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF117290.D
Acq: 1 Oct 2019 21:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 3648
Ion Ratio Lower Upper
248 100
250 182.8 76.2 114.4#
141 585.9 75.0 112.4#

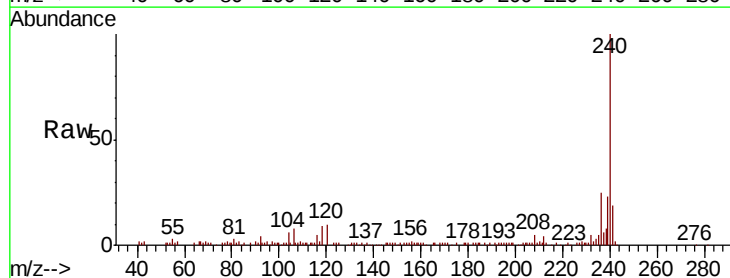


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

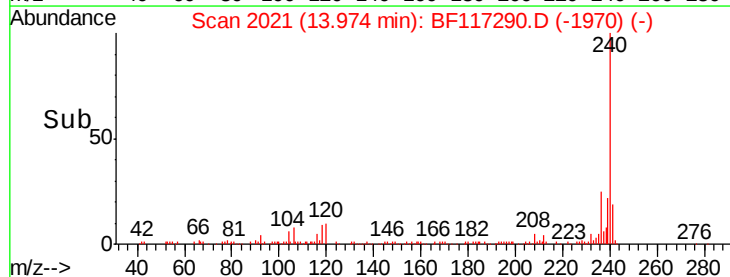
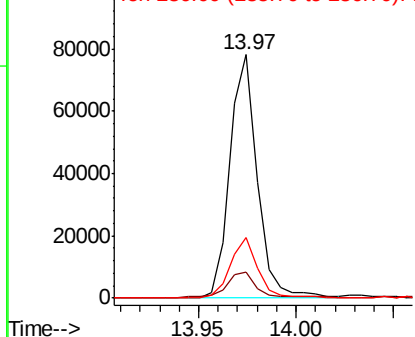


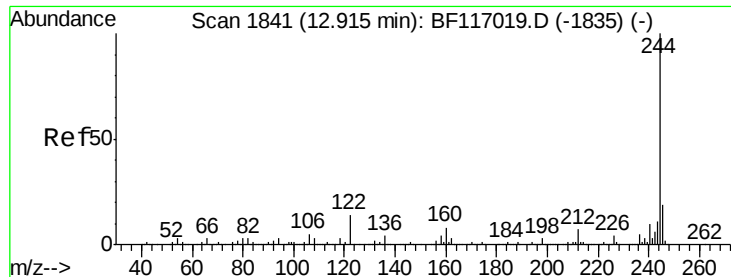
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117290.D
Acq: 1 Oct 2019 21:23

Tgt Ion:240 Resp: 76609
Ion Ratio Lower Upper
240 100
120 10.5 8.3 12.5
236 24.8 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

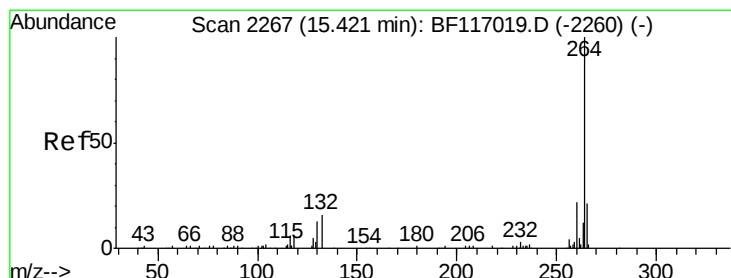
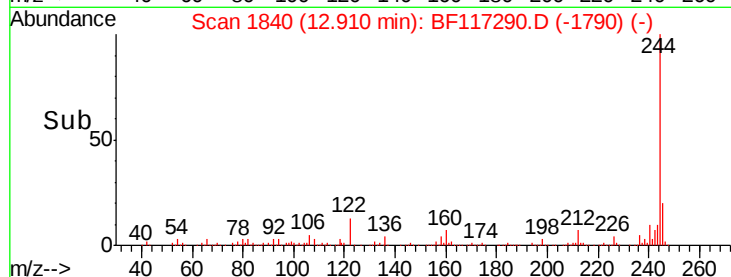
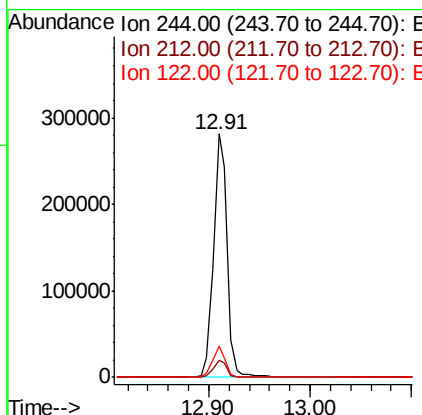
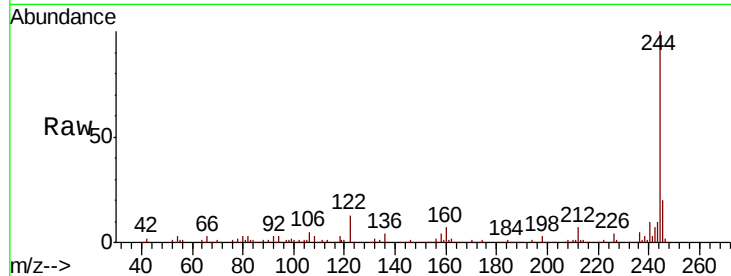




#79
 Terphenyl-d14
 Concen: 64.018 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117290.D
 Acq: 1 Oct 2019 21:23

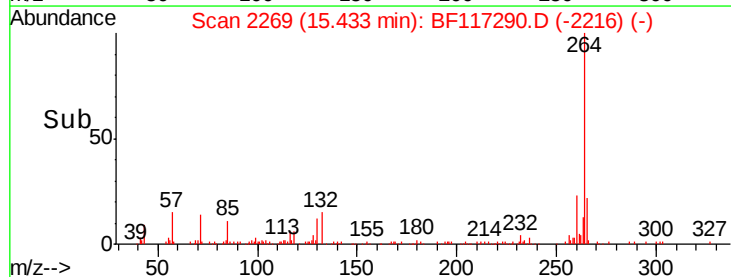
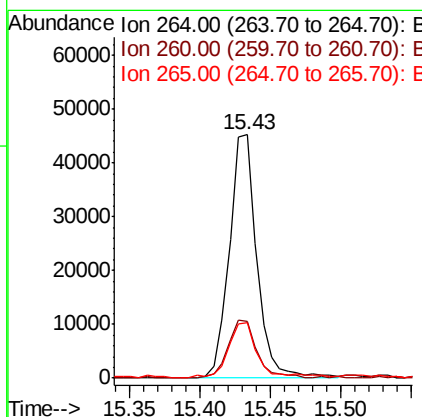
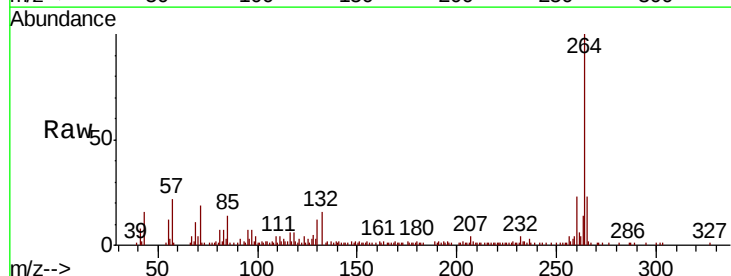
Instrument :
 BNA_F
 ClientSampleId :

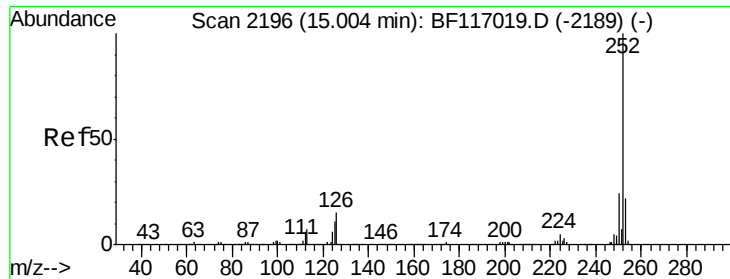
Tot Ion:244 Resp: 262376
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 12.8 11.3 16.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117290.D
 Acq: 1 Oct 2019 21:23

Tgt Ion:264 Resp: 61636
 Ion Ratio Lower Upper
 264 100
 260 23.3 17.6 26.4
 265 22.8 16.6 24.8





#88

Benzo(b)fluoranthene

Concen: 2.344 ng

RT: 15.02 min Scan# 2198

Delta R.T. 0.01 min

Lab File: BF117290.D

Acq: 1 Oct 2019 21:23

Instrument :

BNA_F

ClientSampleId :

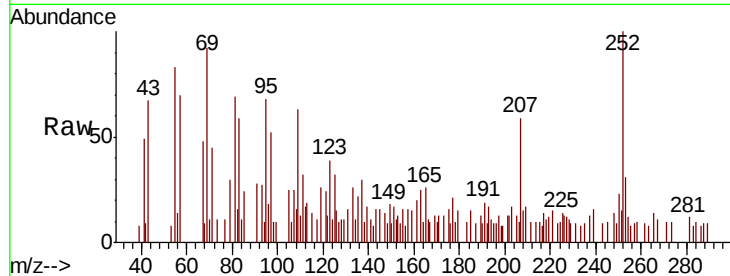
Tot Ion:252 Resp: 8750

Ion Ratio Lower Upper

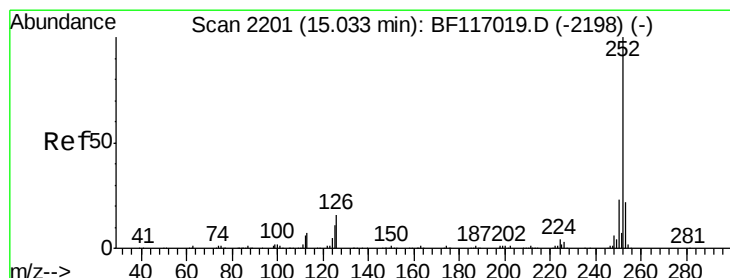
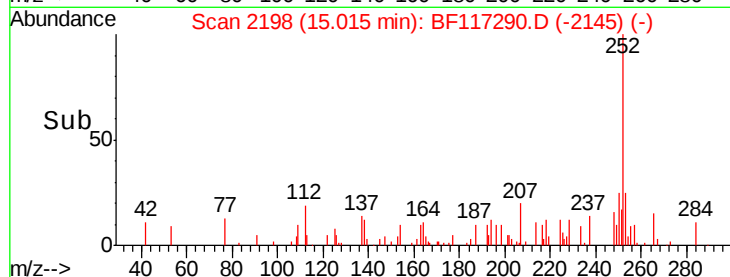
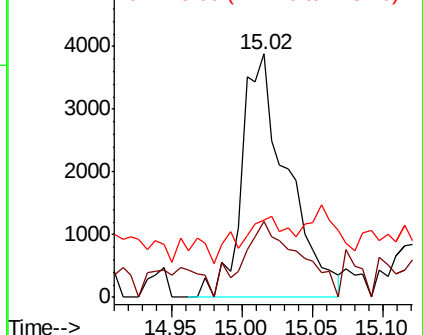
252 100

253 31.0 17.6 26.4#

125 31.9 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: 2.474 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.02 min

Lab File: BF117290.D

Acq: 1 Oct 2019 21:23

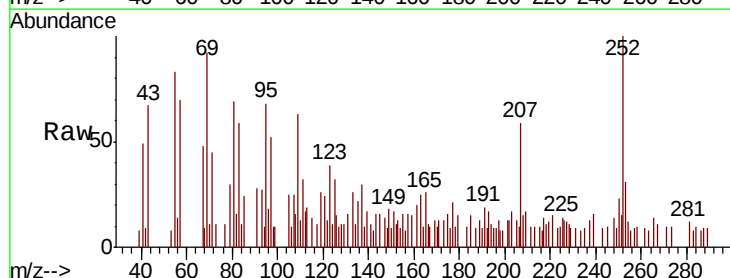
Tgt Ion:252 Resp: 8750

Ion Ratio Lower Upper

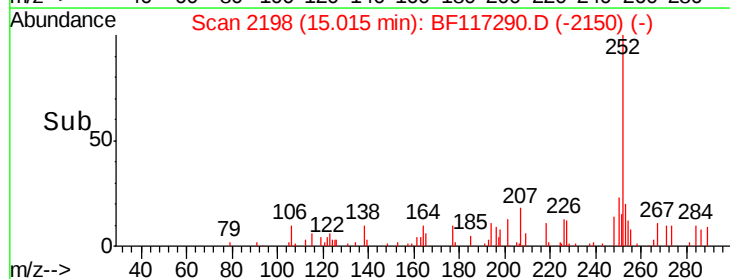
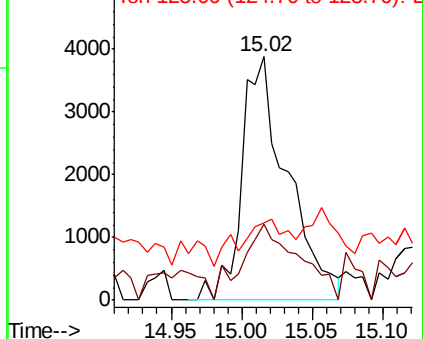
252 100

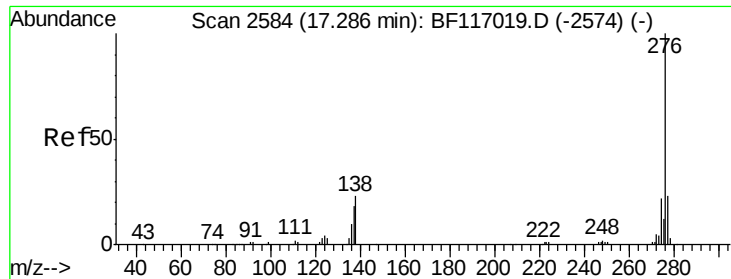
253 31.0 17.4 26.2#

125 31.9 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

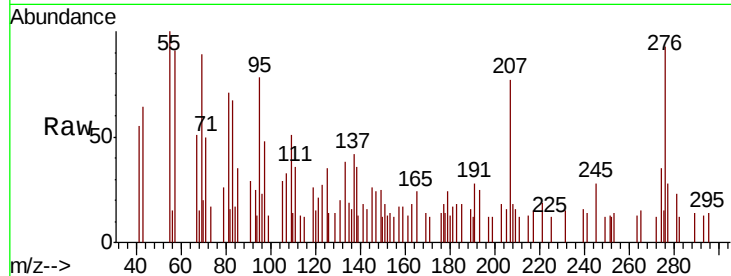




#92
 Benzo(a,h,i)perylene
 Concen: 2.488 ng
 RT: 17.33 min Scan# 2591
 Delta R.T. 0.04 min
 Lab File: BF117290.D
 Acq: 1 Oct 2019 21:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	30.0	18.6	27.8#	
138	38.5	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

