

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
 Data File : BF117167.D
 Acq On : 19 Sep 2019 1:21
 Operator : HP/JU
 Sample : K4877-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:18:35 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	34036	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	236874	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	111556	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	158366	20.00	ng	0.00
76) Chrysene-d12	13.96	240	127326	20.00	ng	-0.01
87) Perylene-d12	15.42	264	78018	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	35835	16.44	ng	0.00
7) Phenol-d6	6.46	99	56841	20.17	ng	0.00
23) Nitrobenzene-d5	7.39	82	62580	13.88	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	15749	16.89	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	113782	15.95	ng	0.00
79) Terphenyl-d14	12.90	244	97305	14.28	ng	-0.01

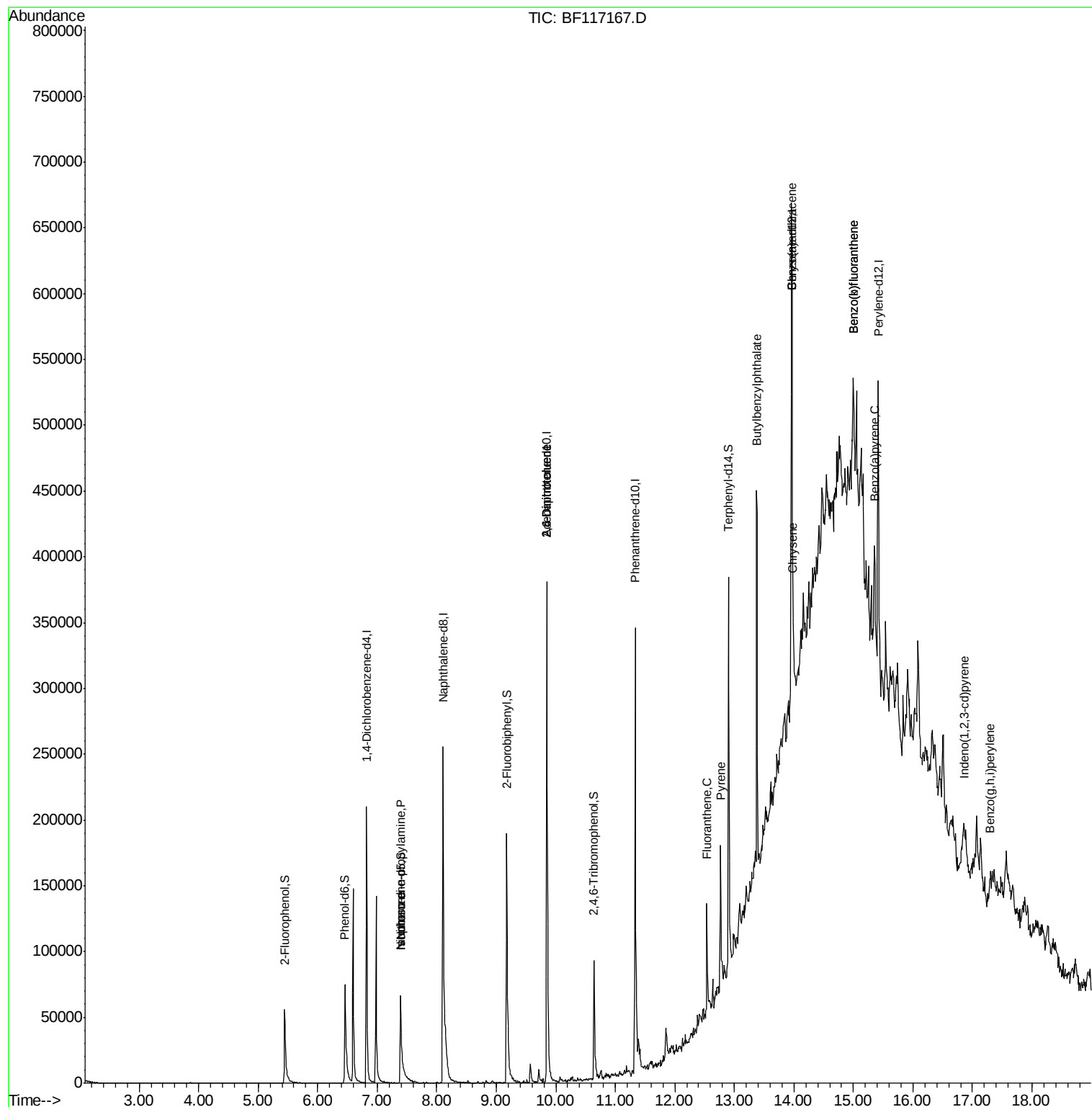
Target Compounds				Qvalue		
9) Benzaldehyde	6.59	77	1269	Below Cal	#	70
19) n-Nitroso-di-n-propylamine	7.39	70	6820	3.975 ng	#	83
25) Isophorone	7.39	82	62580	7.840 ng	#	66
51) 2,6-Dinitrotoluene	9.85	165	13915	8.650 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	14062	6.734 ng	#	18
75) Fluoranthene	12.54	202	41033	4.440 ng		95
78) Pyrene	12.77	202	47811	4.475 ng		97
80) Butylbenzylphthalate	13.38	149	72706	14.402 ng		95
81) Benzo(a)anthracene	13.96	228	25018	2.941 ng	#	88
83) Chrysene	13.99	228	26736	3.222 ng	#	90
86) Indeno(1,2,3-cd)pyrene	16.86	276	12432	2.054 ng		98
88) Benzo(b)fluoranthene	15.00	252	45386	9.604 ng	#	69
89) Benzo(k)fluoranthene	15.00	252	45386	10.138 ng	#	69
90) Benzo(a)pyrene	15.36	252	16914	4.079 ng	#	82
92) Benzo(a,h,i)perylene	17.29	276	11793	3.582 ng	#	88

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

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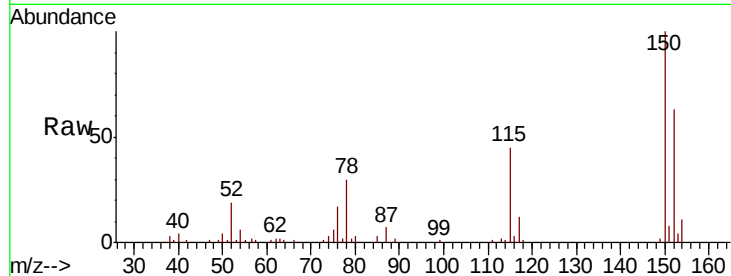


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	127.5	191.3
115	71.0	55.0	82.4

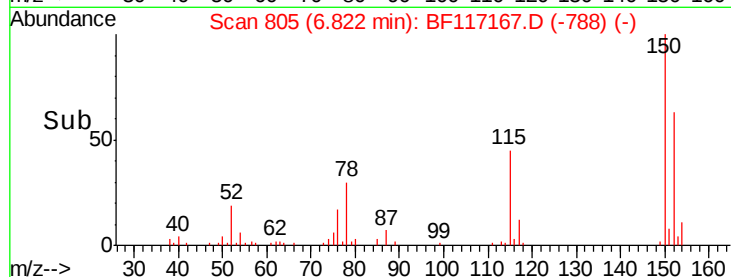
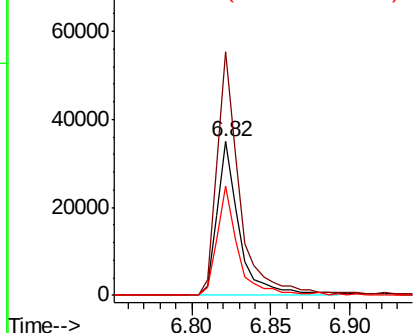


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

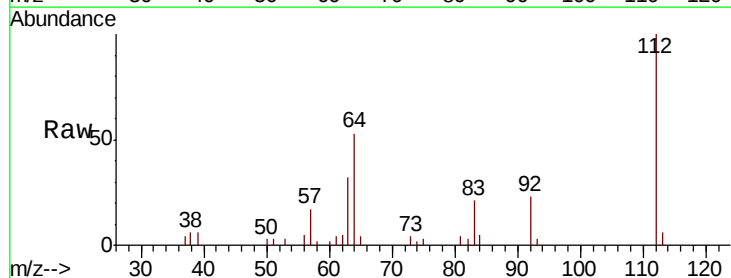
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 16.438 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	45.7	68.5
63	31.7	24.9	37.3

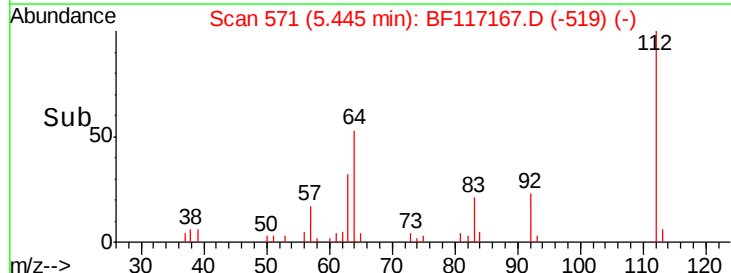
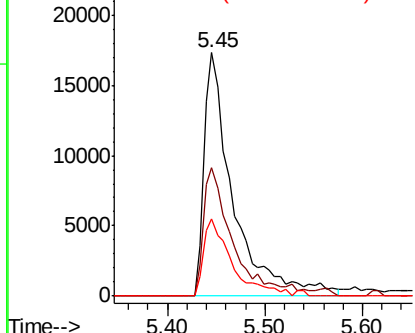


Abundance

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: 20.175 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF117167.D

Acq: 19 Sep 2019 1:21

Instrument :

BNA_F

ClientSampleId :

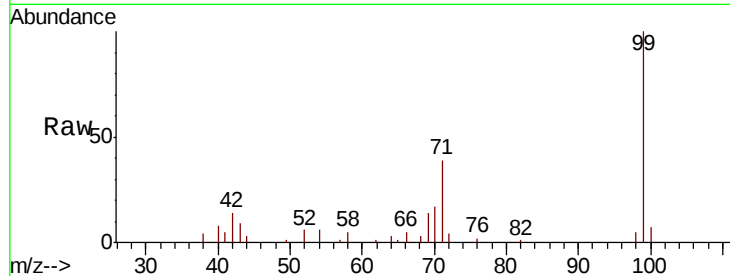
Tot Ion: 99 Resp: 56841

Ion Ratio Lower Upper

99 100

42 13.8 12.2 18.2

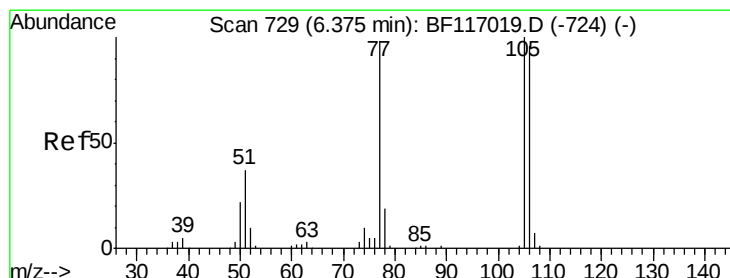
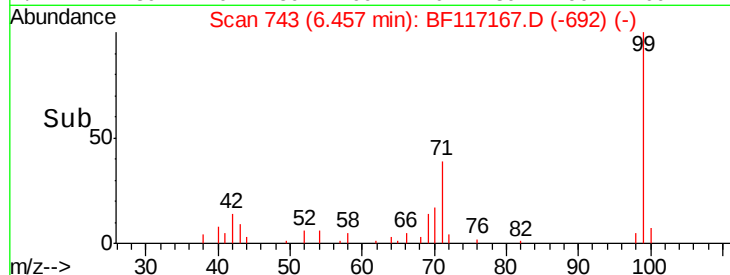
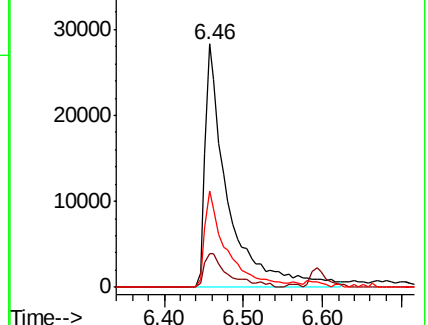
71 39.4 29.8 44.8



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: BF117167.D

Acq: 19 Sep 2019 1:21

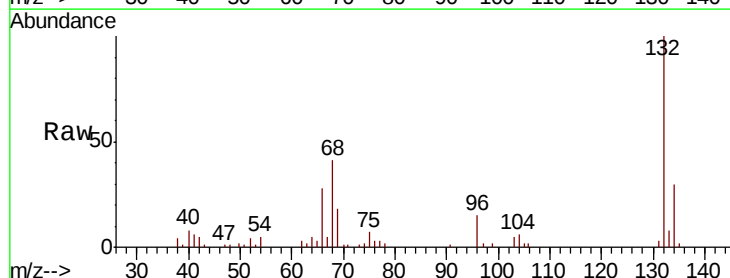
Tgt Ion: 77 Resp: 1269

Ion Ratio Lower Upper

77 100

105 86.0 81.8 121.8

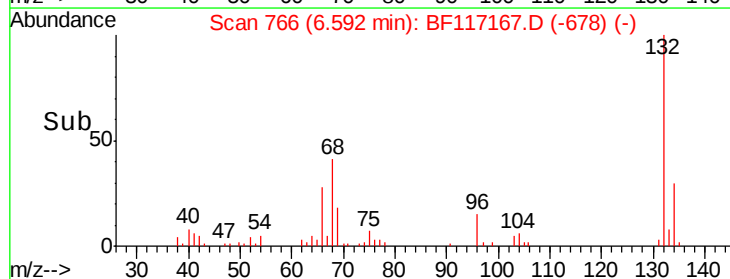
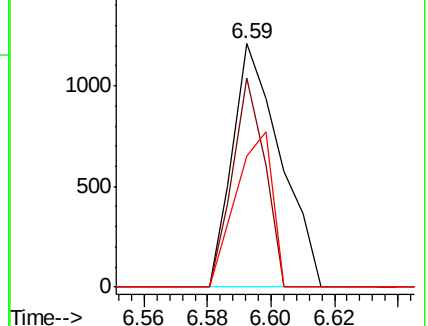
106 54.0 77.3 117.3#



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

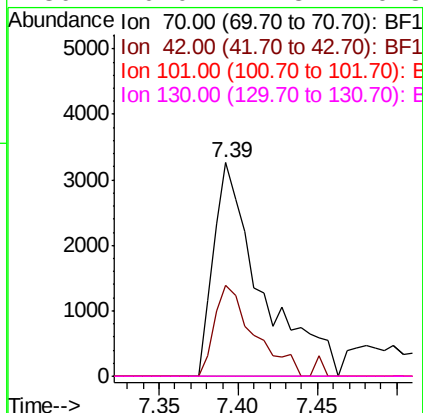
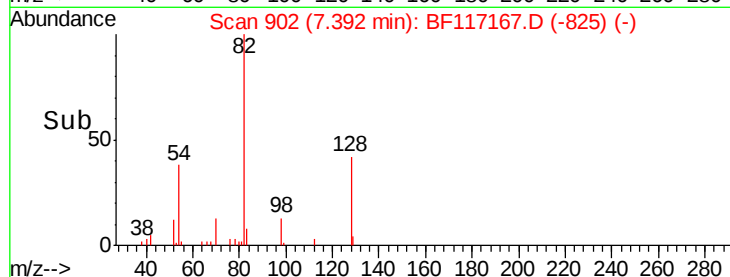
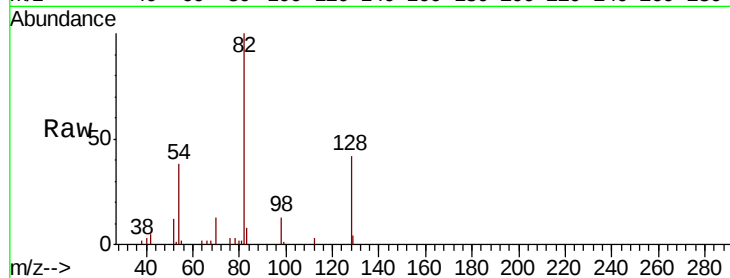




#19
n-Nitroso-di-n-propylamine
Concen: 3.975 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.15 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

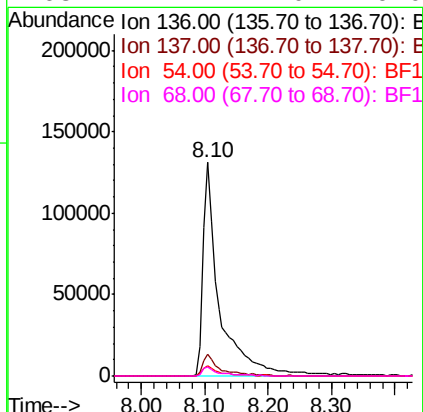
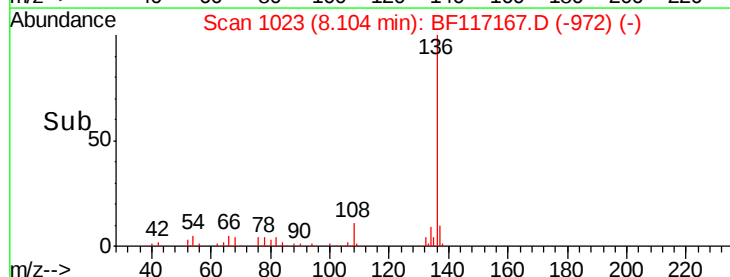
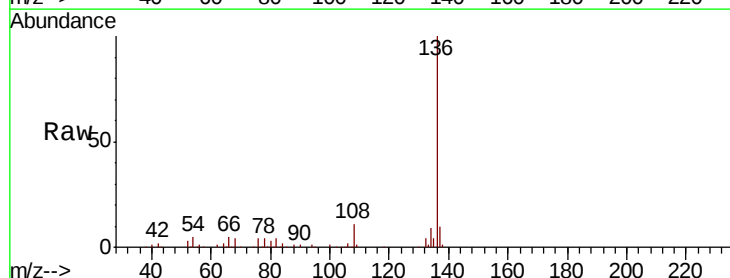
Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 6820
Ion Ratio Lower Upper
70 100
42 42.5 34.0 51.0
101 0.0 7.8 11.6#
130 0.0 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Tgt Ion: 136 Resp: 236874
Ion Ratio Lower Upper
136 100
137 10.4 9.0 13.4
54 4.9 4.5 6.7
68 4.4 4.0 6.0

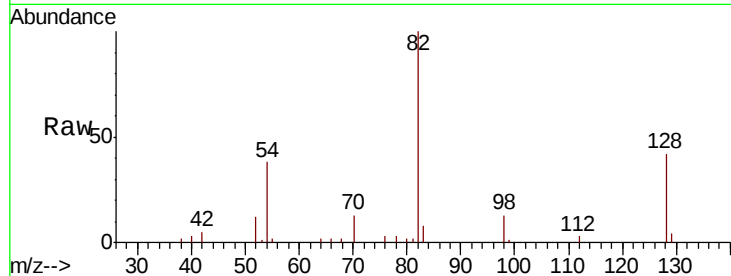




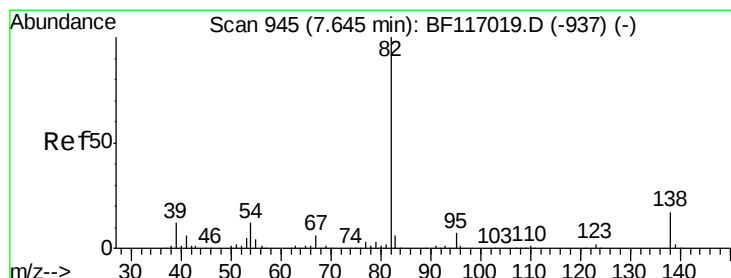
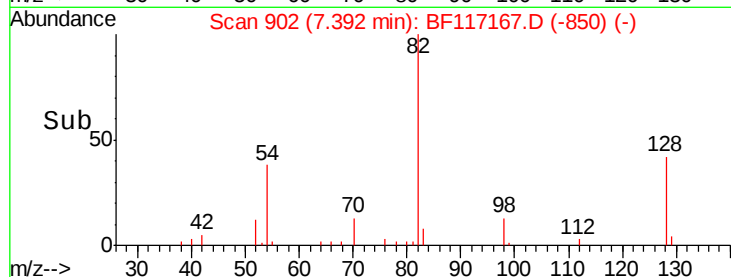
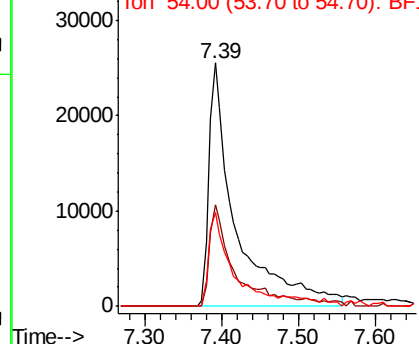
#23
Nitrobenzene-d5
Concen: 13.881 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.01 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	62580
Ion Ratio	Lower	Upper	
82	100		
128	41.7	32.3	48.5
54	38.3	33.3	49.9

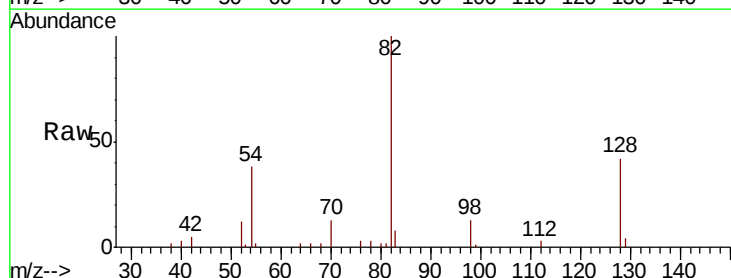


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

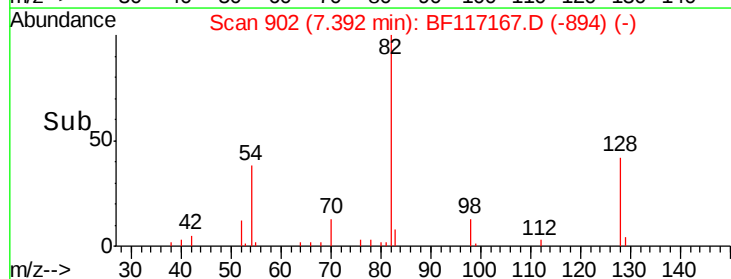
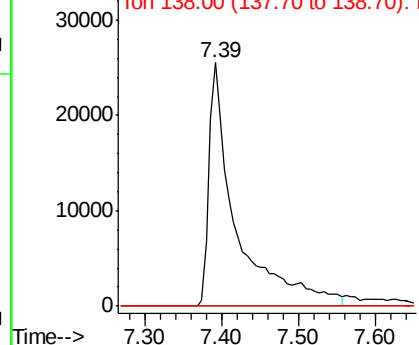


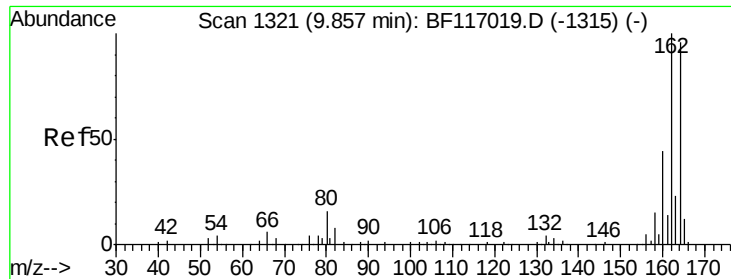
#25
Isophorone
Concen: 7.840 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.25 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Tgt Ion	82	Resp	62580
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

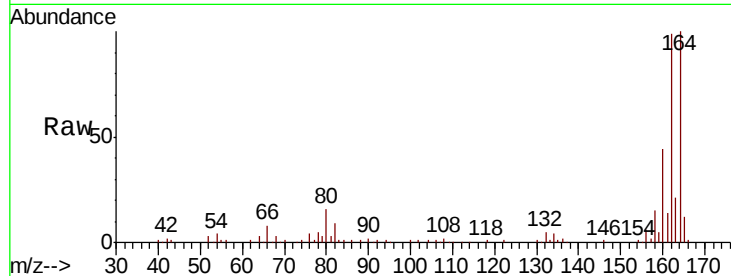




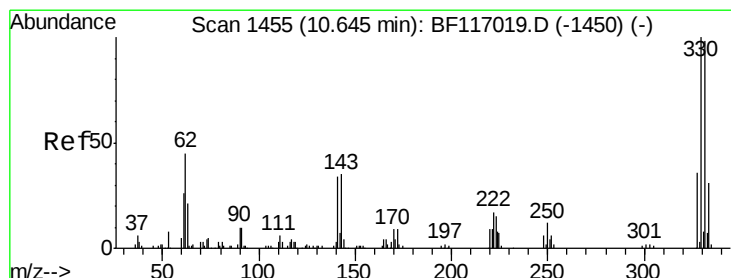
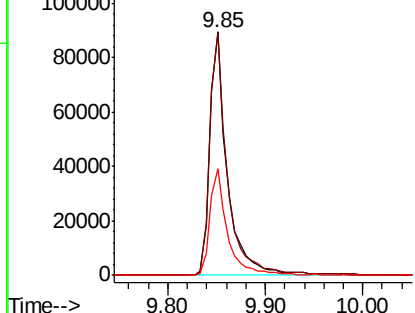
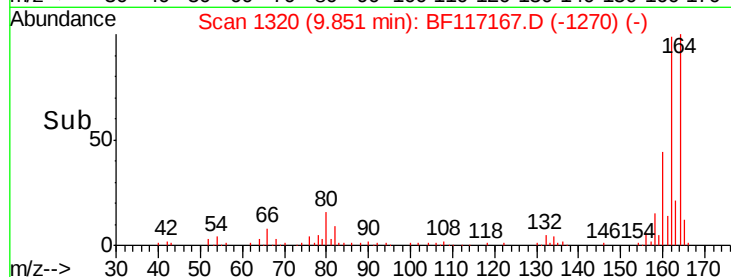
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 111556
Ion Ratio Lower Upper
164 100
162 99.3 83.4 125.2
160 43.6 36.4 54.6

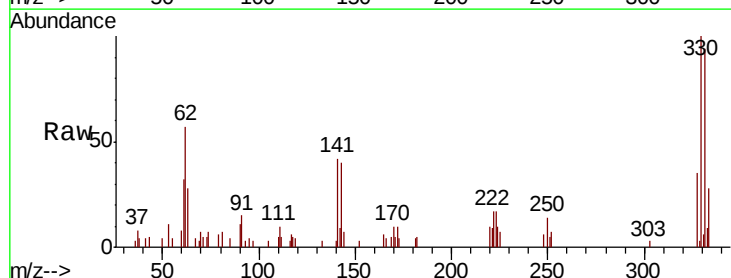


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

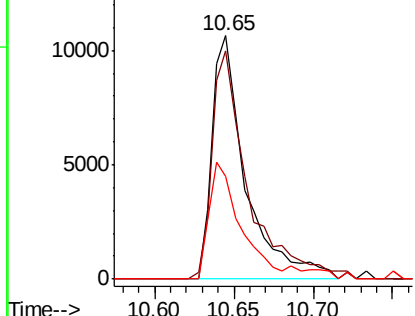
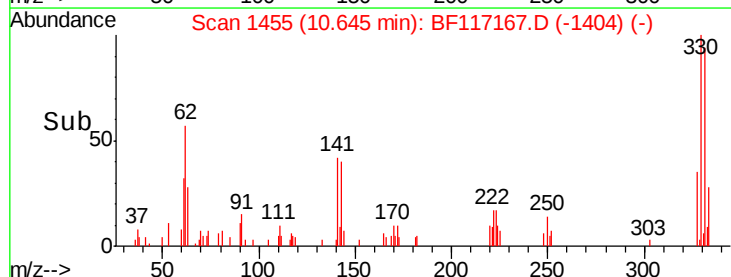


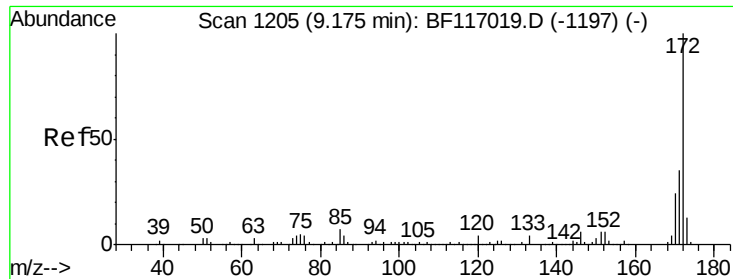
#42
2,4,6-Tribromophenol
Concen: 16.892 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Tgt Ion:330 Resp: 15749
Ion Ratio Lower Upper
330 100
332 100.7 78.0 117.0
141 44.8 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

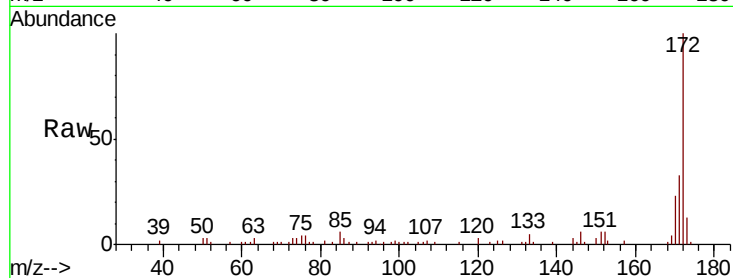




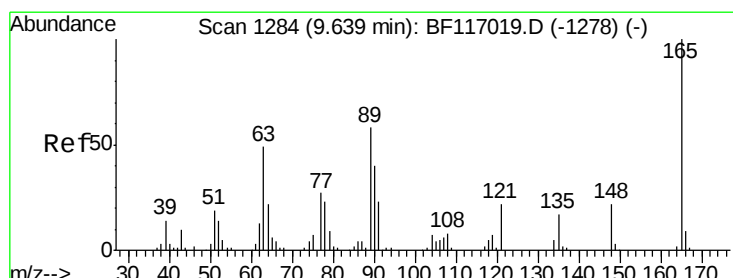
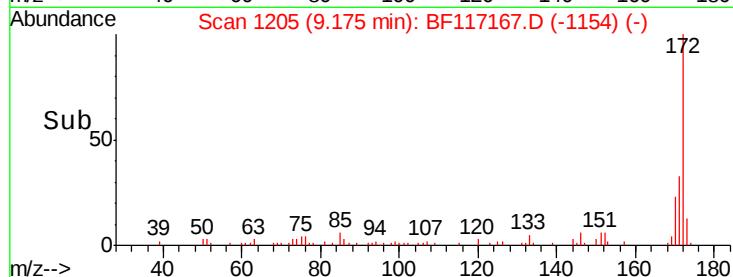
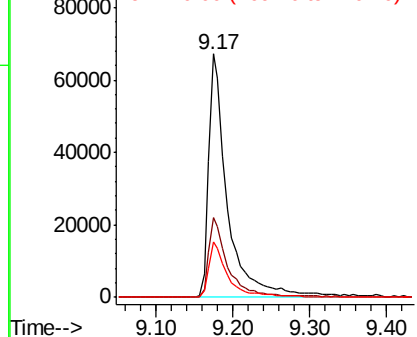
#45
2-Fluorobiphenyl
Concen: 15.948 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 113782
Ion Ratio Lower Upper
172 100
171 32.6 28.2 42.2
170 22.9 18.9 28.3

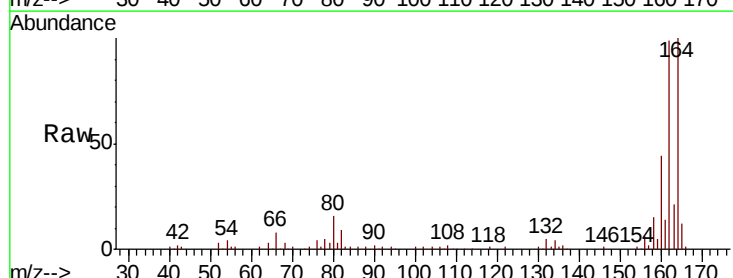


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

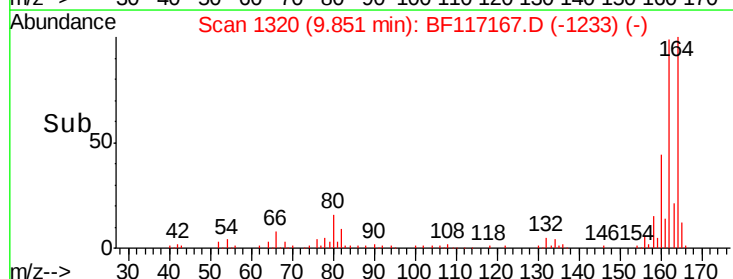
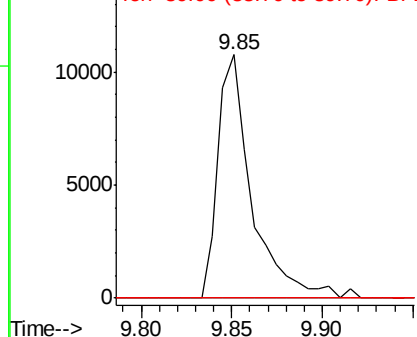


#51
2,6-Dinitrotoluene
Concen: 8.650 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Tgt Ion:165 Resp: 13915
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: 6.734 ng

RT: 9.85 min Scan# 1320

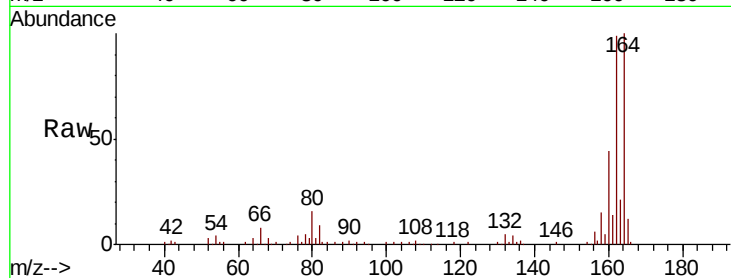
Delta R.T. -0.19 min

Lab File: BF117167.D

Acq: 19 Sep 2019 1:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	14062
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#

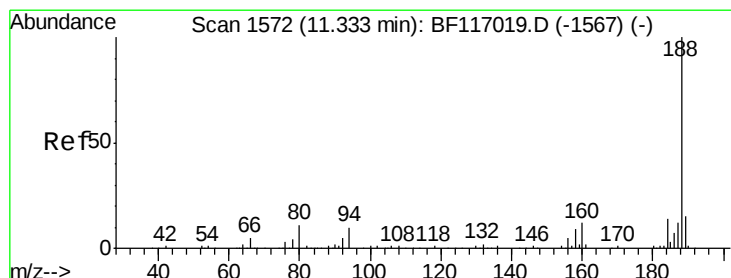
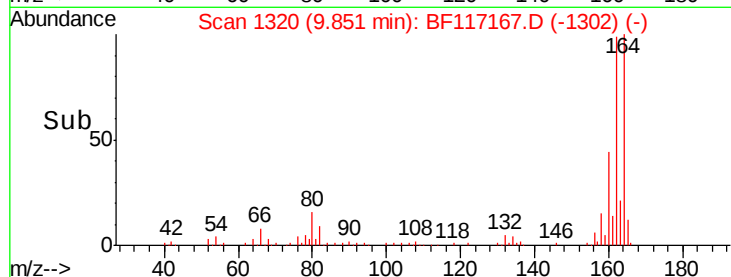
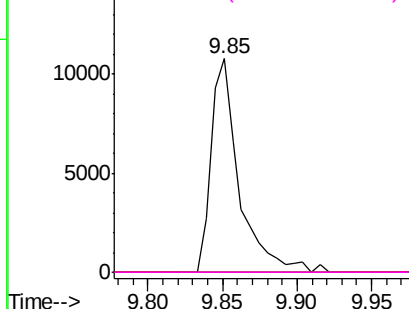


Abundance Ion 165.00 (164.70 to 165.70): E

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

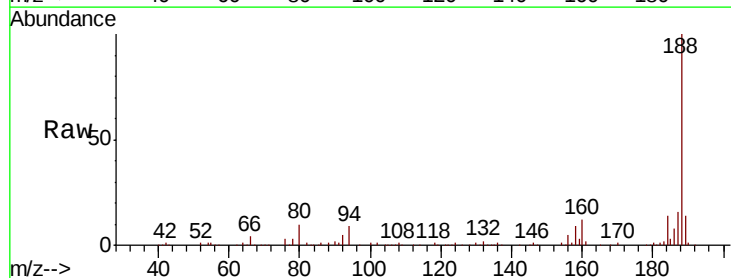
RT: 11.33 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BF117167.D

Acq: 19 Sep 2019 1:21

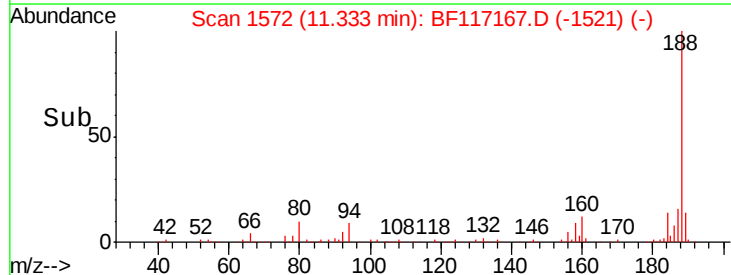
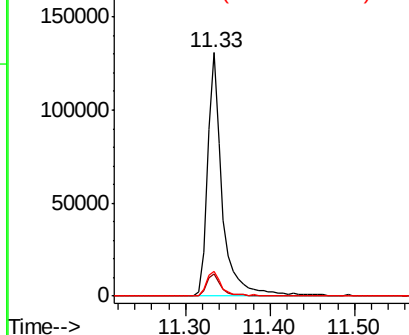
Tgt Ion:188	Resp:	158366
Ion Ratio	Lower	Upper
188	100	
94	9.0	8.2 12.2
80	10.2	9.0 13.6

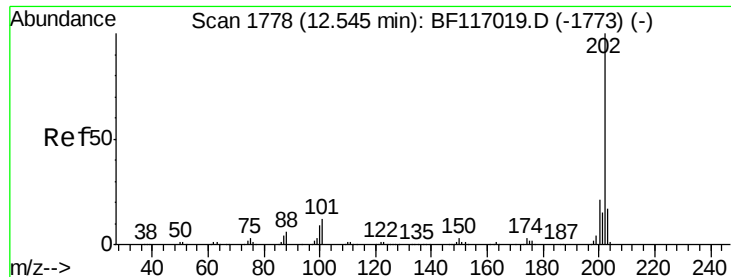


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Fluoranthene

Concen: 4.440 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF117167.D

Acq: 19 Sep 2019 1:21

Instrument :

BNA_F

ClientSampleId :

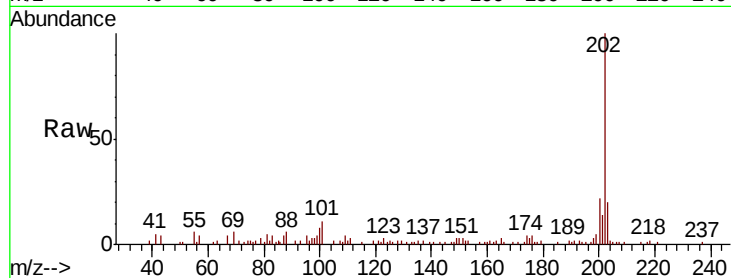
Tot Ion:202 Resp: 41033

Ion Ratio Lower Upper

202 100

101 10.9 0.0 32.3

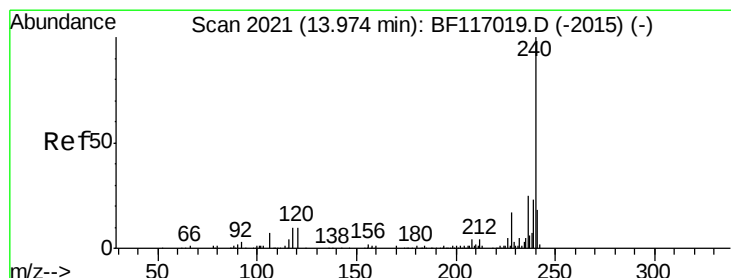
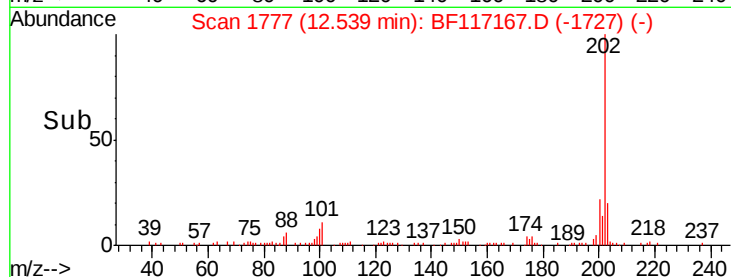
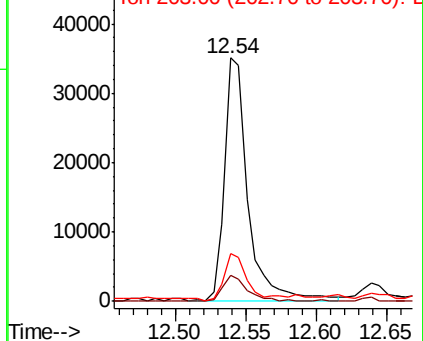
203 19.8 0.0 37.1



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: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF117167.D

Acq: 19 Sep 2019 1:21

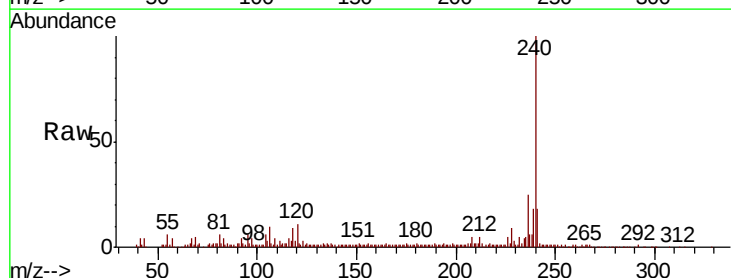
Tgt Ion:240 Resp: 127326

Ion Ratio Lower Upper

240 100

120 11.0 8.3 12.5

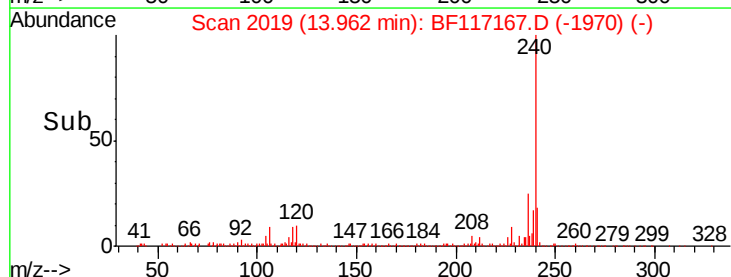
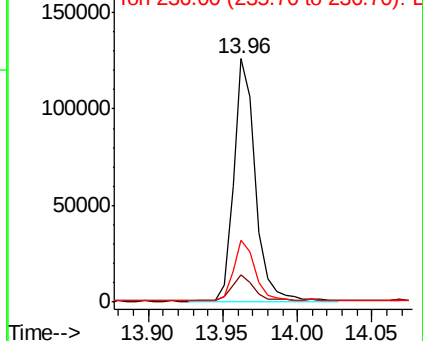
236 25.2 20.3 30.5

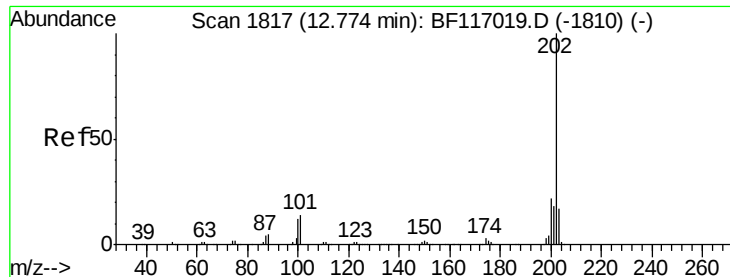


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.475 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF117167.D

Acq: 19 Sep 2019 1:21

Instrument :

BNA_F

ClientSampleId :

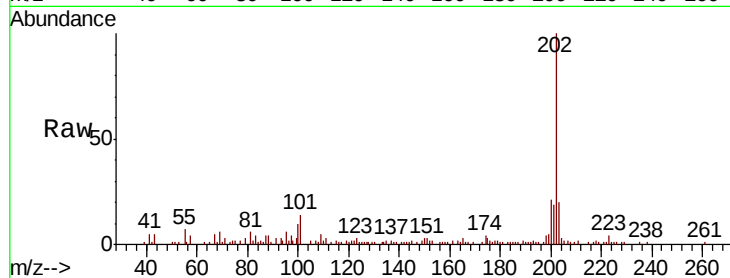
Tot Ion:202 Resp: 47811

Ion Ratio Lower Upper

202 100

200 20.7 17.2 25.8

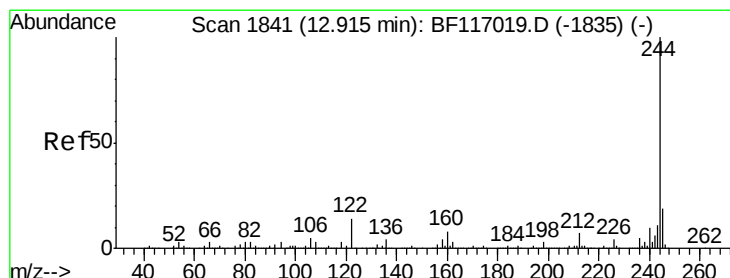
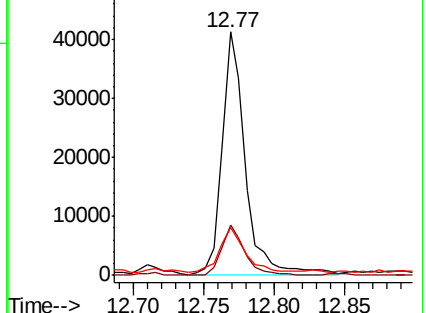
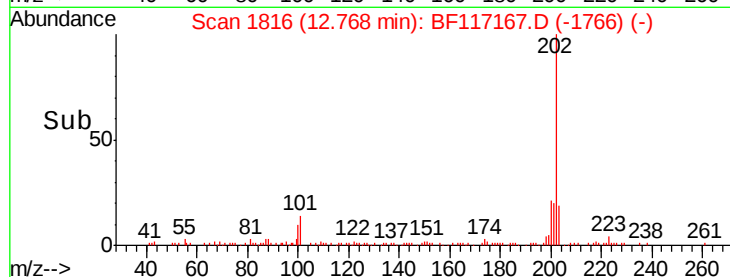
203 19.7 14.0 21.0



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: 14.285 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF117167.D

Acq: 19 Sep 2019 1:21

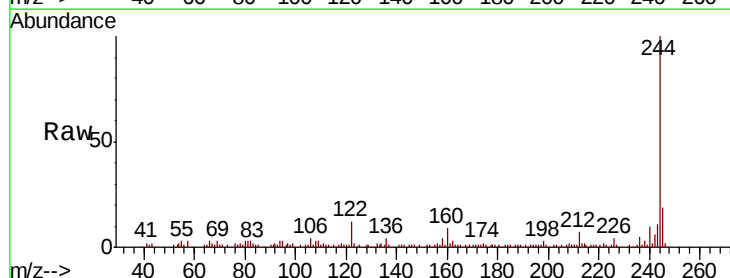
Tgt Ion:244 Resp: 97305

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

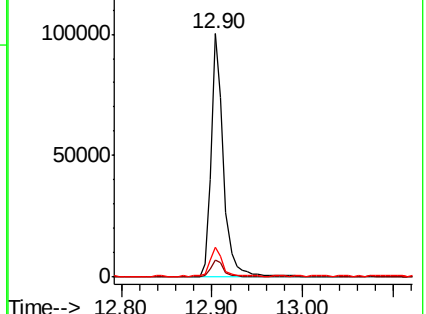
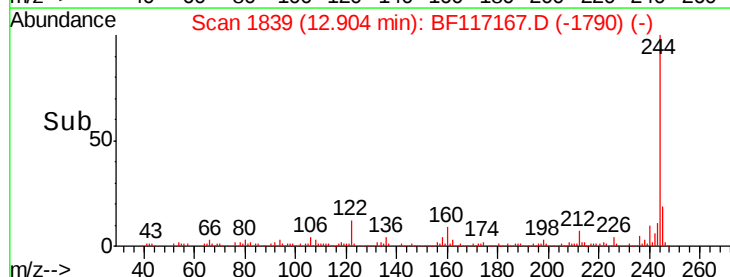
122 12.0 11.3 16.9

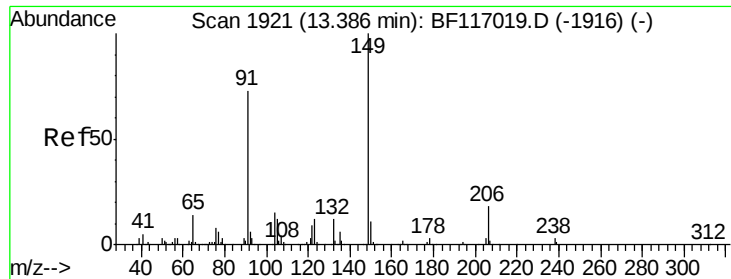


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

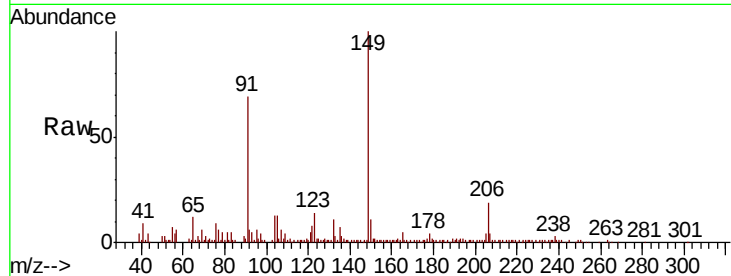




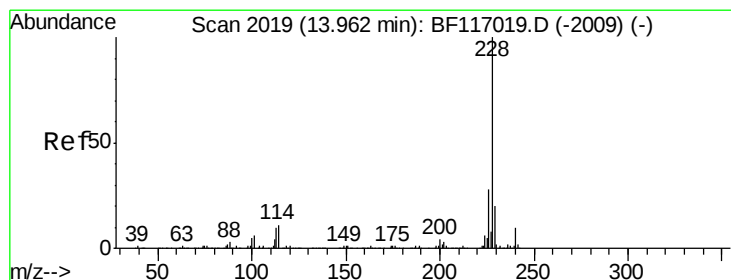
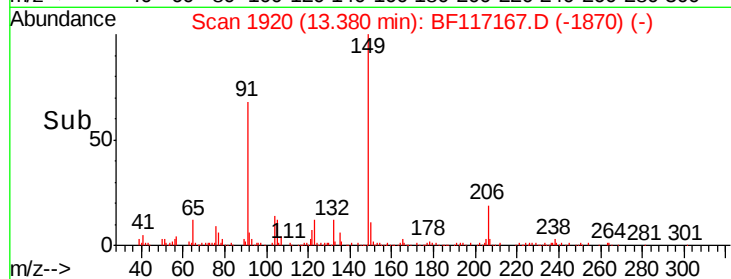
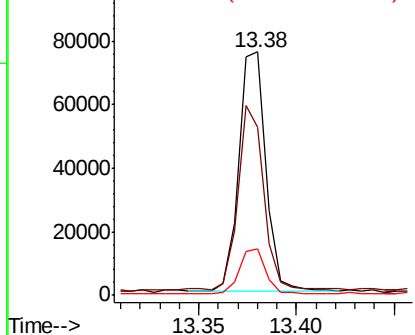
#80
Butylbenzylphthalate
Concen: 14.402 ng
RT: 13.38 min Scan# 1920
Delta R.T. -0.01 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:149 Resp: 72706
Ion Ratio Lower Upper
149 100
91 69.0 58.8 88.2
206 19.0 14.1 21.1

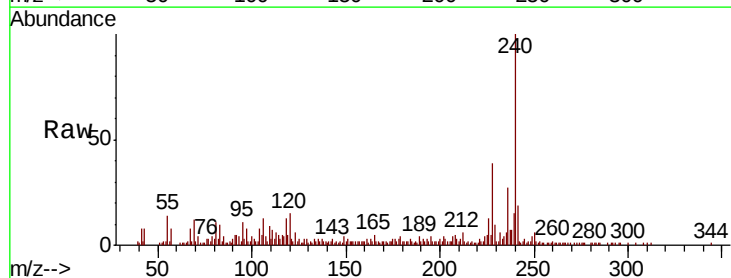


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E

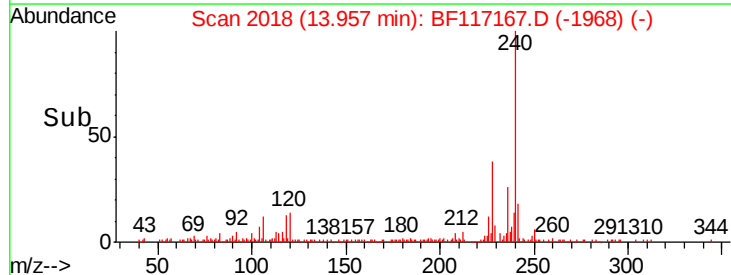
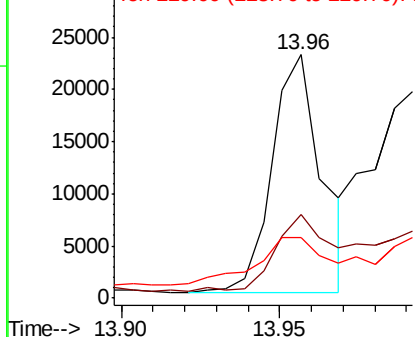


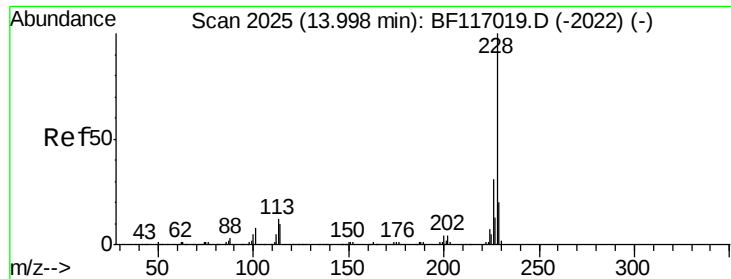
#81
Benzo(a)anthracene
Concen: 2.941 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Tgt Ion:228 Resp: 25018
Ion Ratio Lower Upper
228 100
226 34.2 22.3 33.5#
229 25.1 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

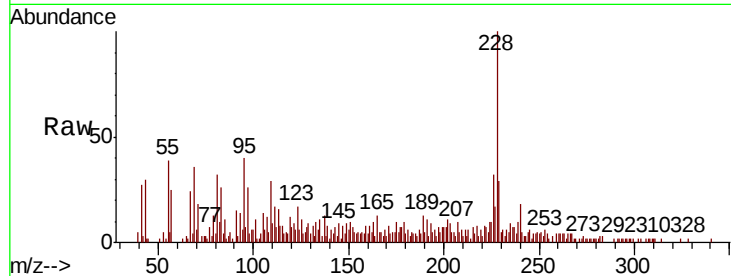




#83
Chrysene
Concen: 3.222 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.8	37.2
229	29.5	15.8	23.8

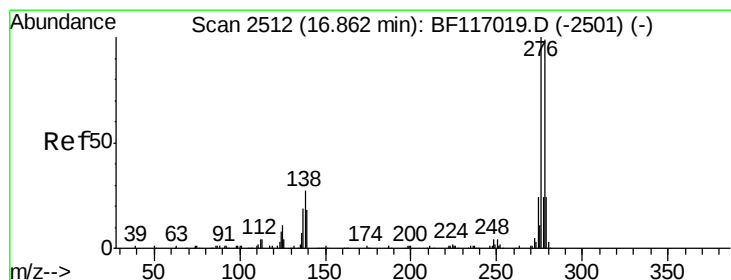
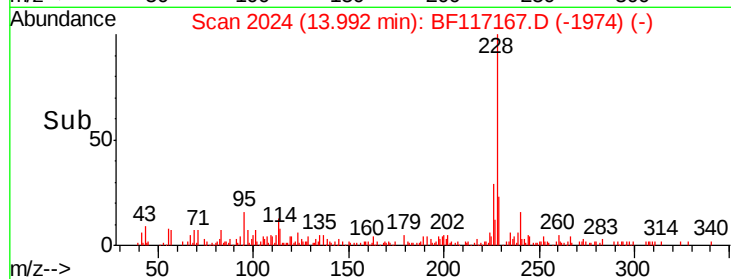
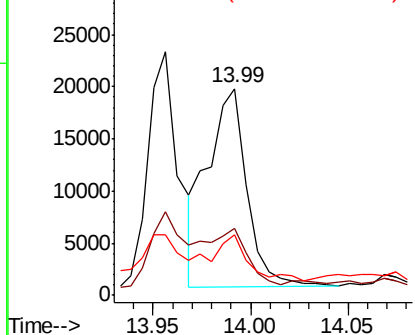


Abundance

Ion 228.00 (227.70 to 228.70): E

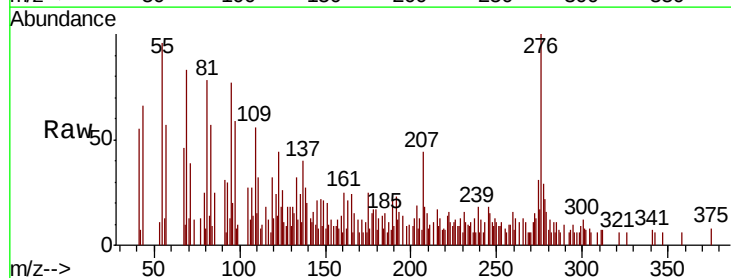
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.054 ng
RT: 16.86 min Scan# 2512
Delta R.T. -0.00 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	20.7	31.1
277	23.0	19.8	29.8

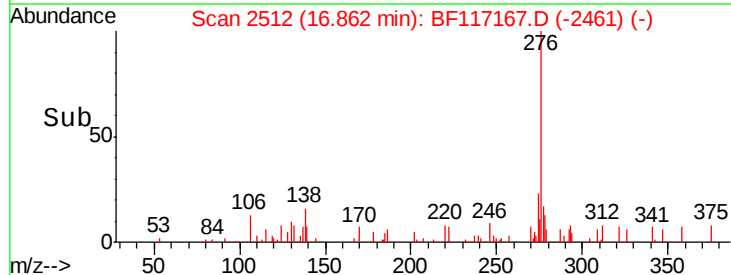
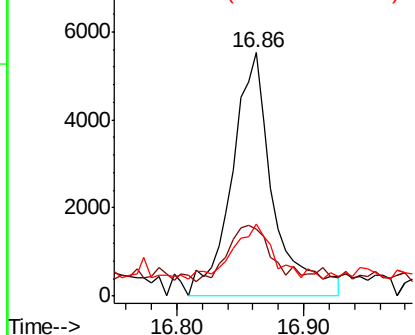


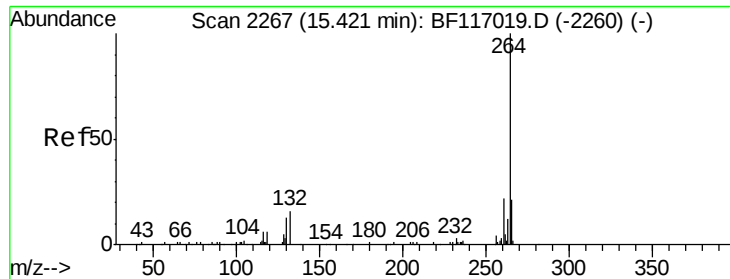
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

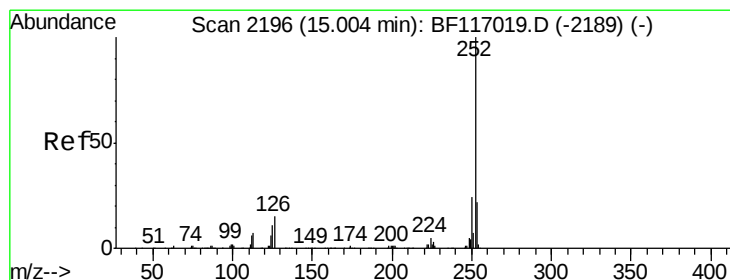
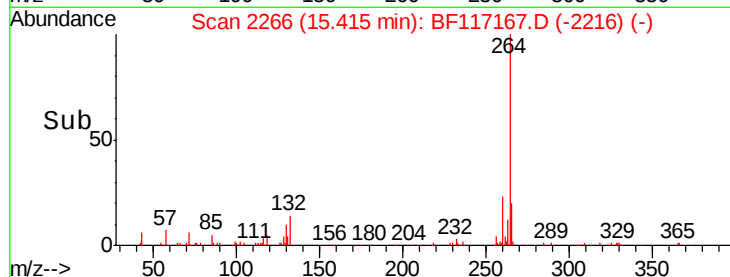
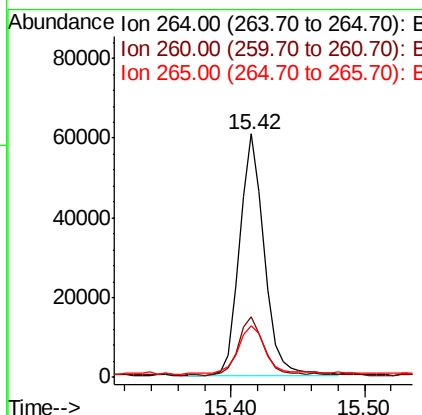
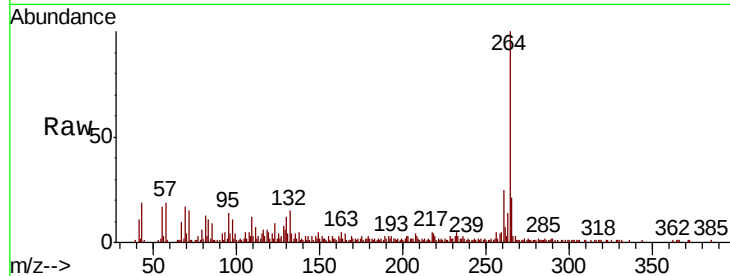




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

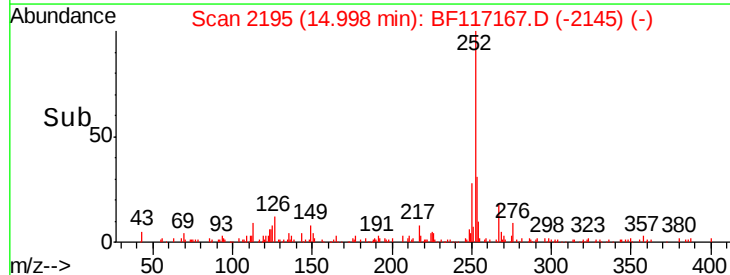
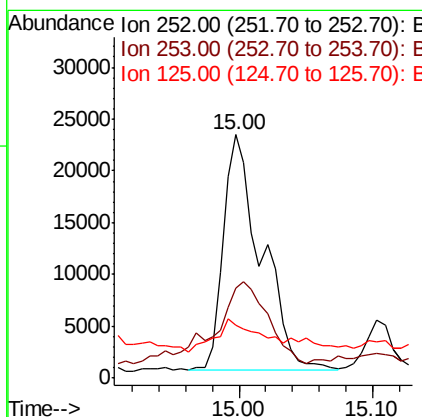
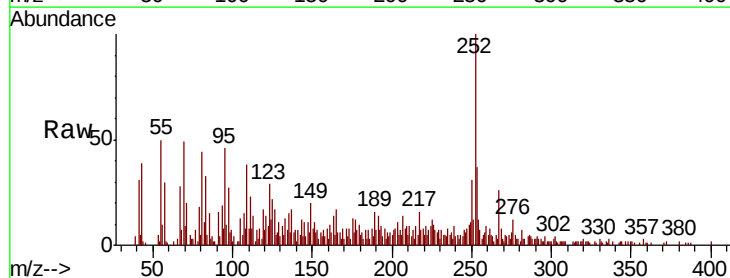
Instrument :
BNA_F
ClientSampleId :

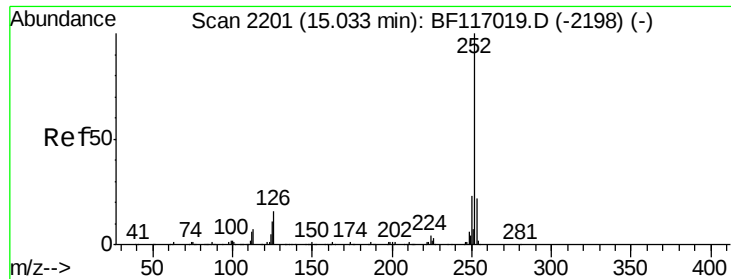
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	17.6	26.4
265	21.4	16.6	24.8



#88
Benzo(b)fluoranthene
Concen: 9.604 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.1	17.6	26.4#
125	21.7	8.6	12.8#

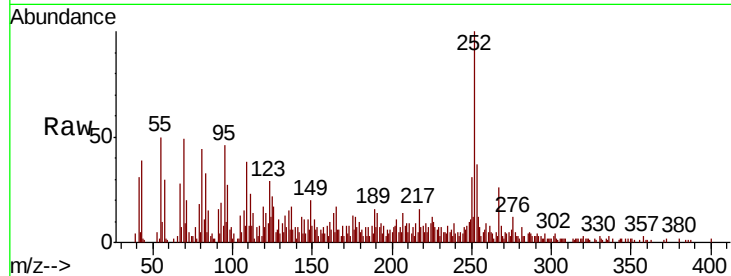




#89
Benzo(k)fluoranthene
Concen: 10.138 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.04 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.1	17.4	26.2#
125	21.7	8.8	13.2#

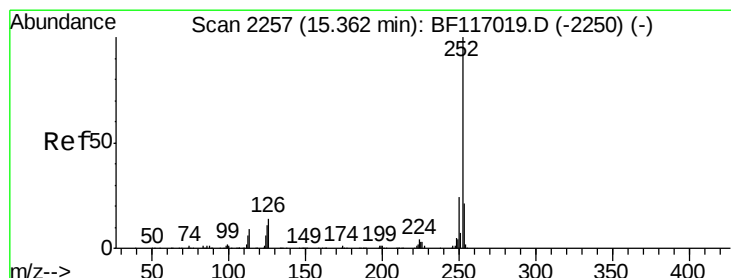
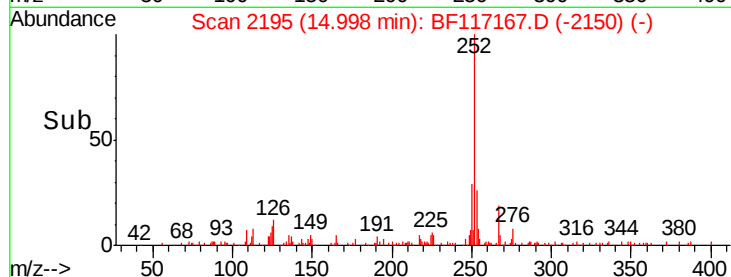
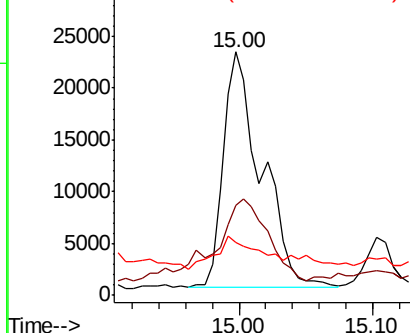


Abundance

Ion 252.00 (251.70 to 252.70): E

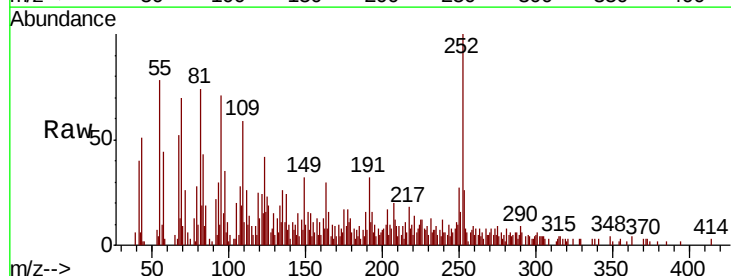
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 4.079 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	16.6	25.0#
125	22.6	8.9	13.3#

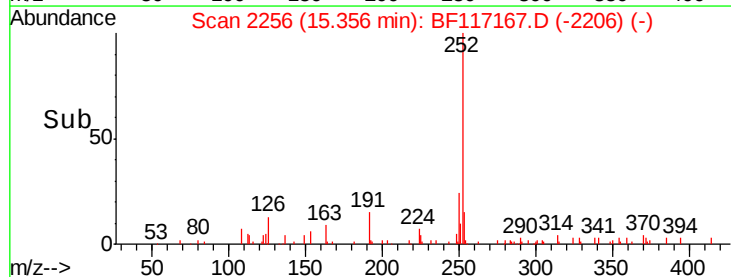
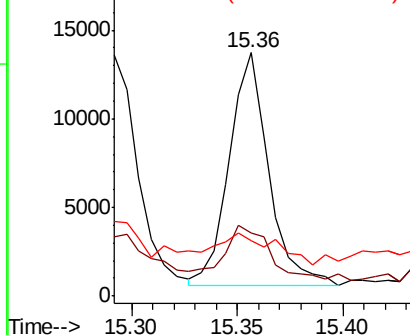


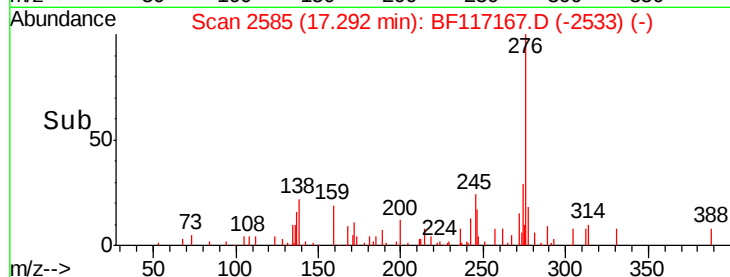
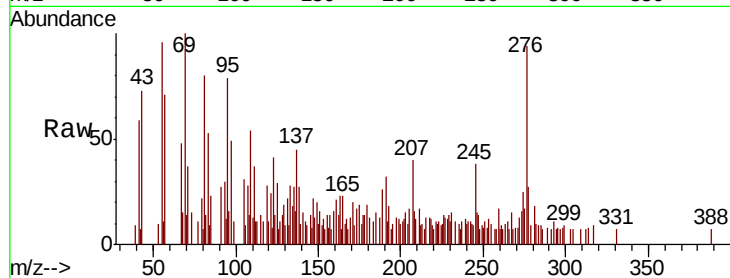
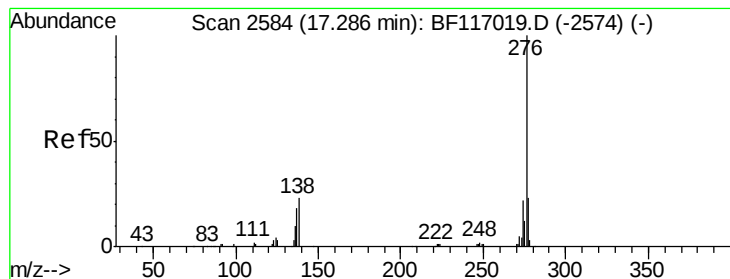
Abundance

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(a,h,i)perylene
 Concen: 3.582 ng
 RT: 17.29 min Scan# 2585
 Delta R.T. 0.01 min
 Lab File: BF117167.D
 Acq: 19 Sep 2019 1:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.6	18.6	27.8#
138	28.4	18.0	27.0#

