

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070819\
 Data File : BF115409.D
 Acq On : 8 Jul 2019 16:54
 Operator : HP/JU
 Sample : K3605-01DL2 200X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 08 17:31:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 05 14:57:35 2019
 Response via : Initial Calibration

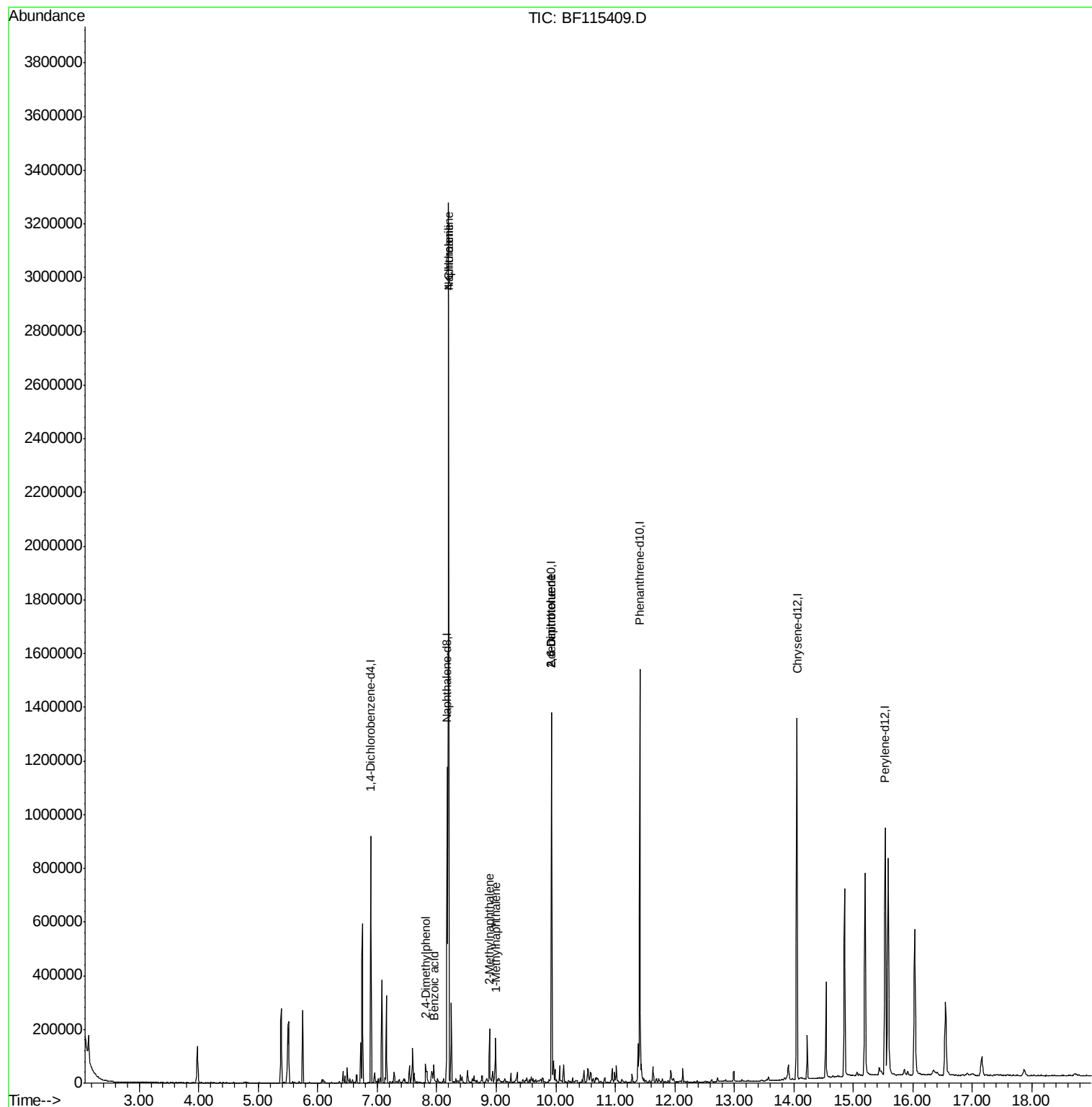
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	118859	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	498442	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	259582	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	531392	20.00	ng	0.00
76) Chrysene-d12	14.05	240	450556	20.00	ng	-0.02
87) Perylene-d12	15.53	264	445485	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	3048	0.40	ng	-0.02
7) Phenol-d6	6.50	99	2472	0.25	ng	-0.02
23) Nitrobenzene-d5	7.45	82	4698	0.56	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	1661	0.58	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	10357	0.70	ng	-0.01
79) Terphenyl-d14	12.99	244	14772	0.67	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.43	77	2072	Below Cal		Qvalue # 1
27) 2,4-Dimethylphenol	7.82	122	18987	2.542	ng	97
31) Naphthalene	8.20	128	1350170	54.535	ng	100
32) Benzoic acid	7.95	122	13621	8.230	ng	# 13
33) 4-Chloroaniline	8.20	127	183158	16.581	ng	# 33
37) 2-Methylnaphthalene	8.89	142	45710	2.762	ng	99
38) 1-Methylnaphthalene	8.99	142	36678	2.323	ng	97
51) 2,6-Dinitrotoluene	9.93	165	33362	7.895	ng	# 23
57) 2,4-Dinitrotoluene	9.93	165	33362	6.213	ng	# 25
86) Indeno(1,2,3-cd)pyrene	17.00	276	1522	Below Cal		# 100

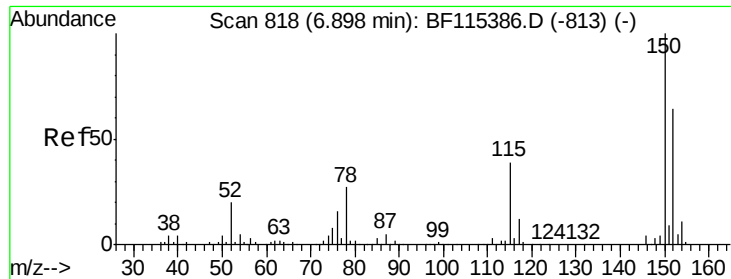
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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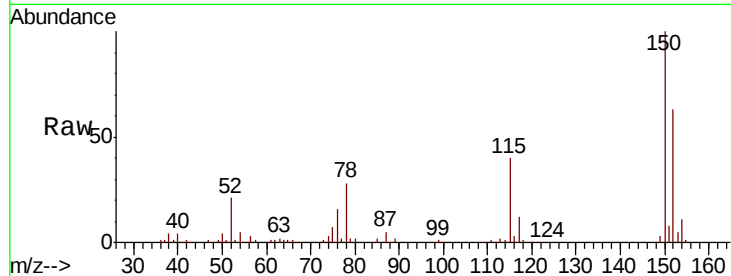


#1

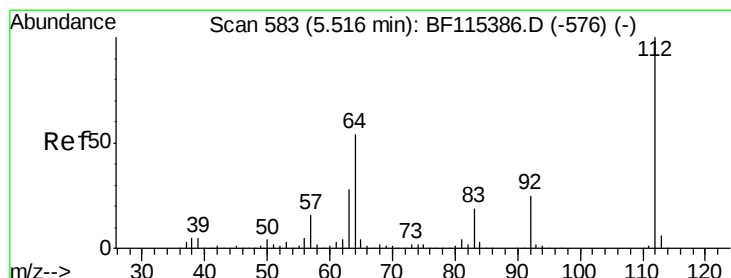
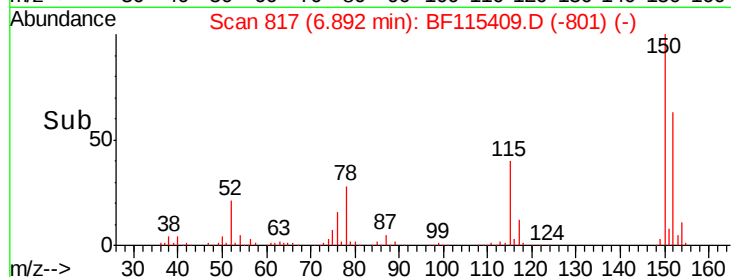
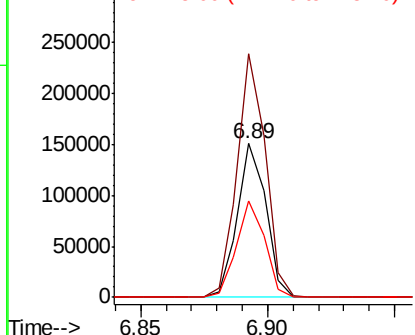
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF115409.D
 Acq: 8 Jul 2019 16:54

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 118859
 Ion Ratio Lower Upper
 152 100
 150 158.2 124.7 187.1
 115 63.0 48.1 72.1



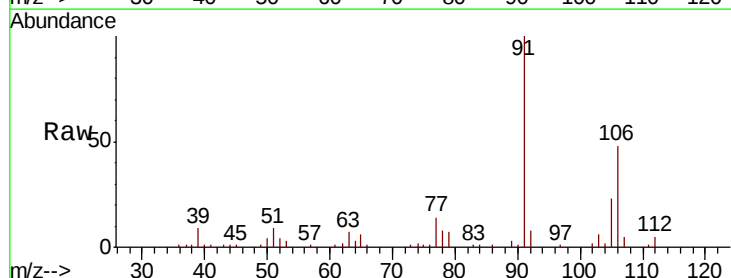
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



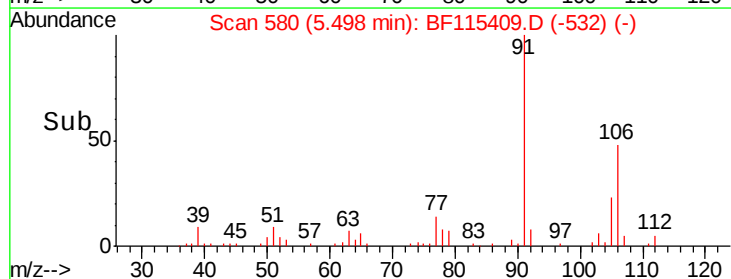
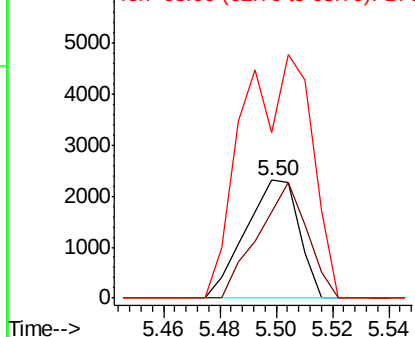
#5

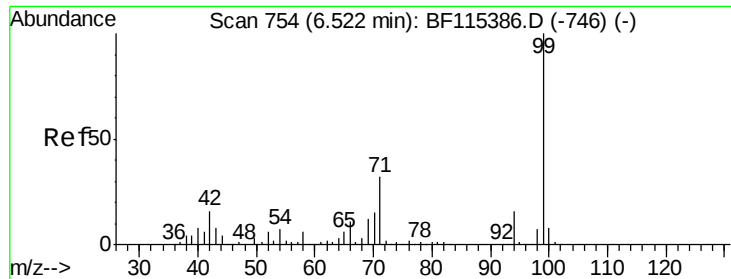
2-Fluorophenol
 Concen: 0.396 ng
 RT: 5.50 min Scan# 580
 Delta R.T. -0.02 min
 Lab File: BF115409.D
 Acq: 8 Jul 2019 16:54

Tgt Ion:112 Resp: 3048
 Ion Ratio Lower Upper
 112 100
 64 73.1 43.0 64.6#
 63 140.2 22.2 33.2#



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: 0.253 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.02 min

Lab File: BF115409.D

Acq: 8 Jul 2019 16:54

Instrument :

BNA_E

ClientSampleId :

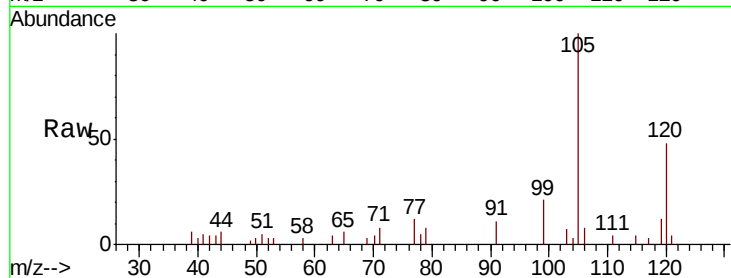
Tot Ion: 99 Resp: 2472

Ion Ratio Lower Upper

99 100

42 20.5 13.1 19.7#

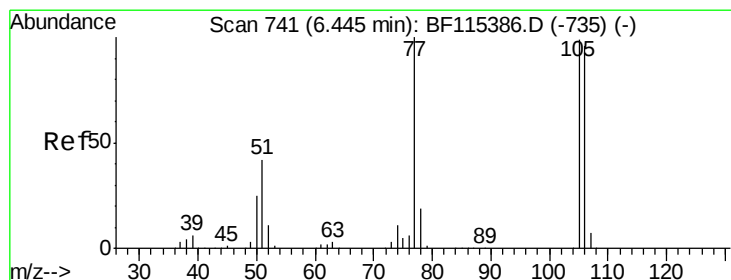
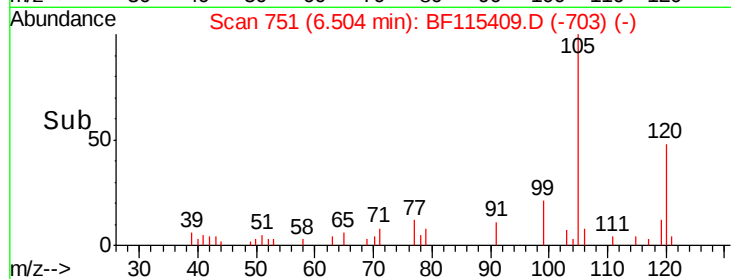
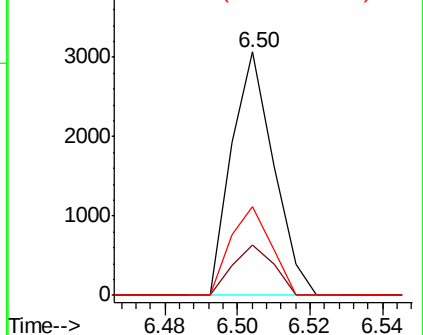
71 36.7 25.9 38.9



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: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF115409.D

Acq: 8 Jul 2019 16:54

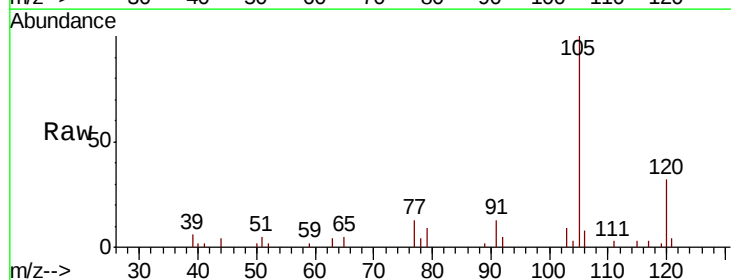
Tgt Ion: 77 Resp: 2072

Ion Ratio Lower Upper

77 100

105 776.1 79.0 119.0#

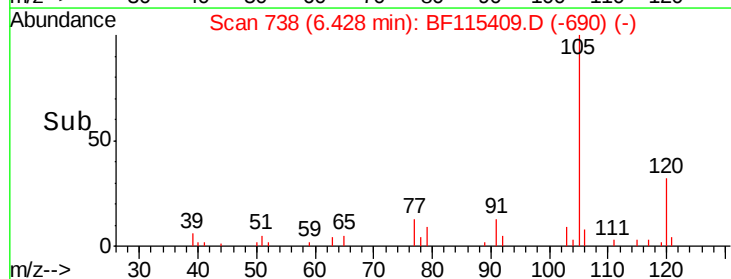
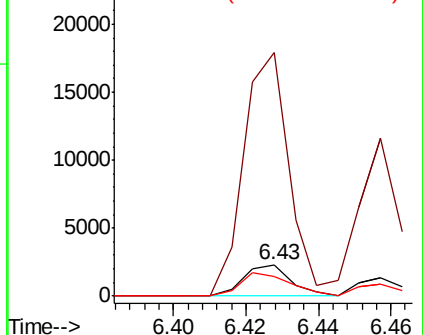
106 63.1 75.7 115.7#

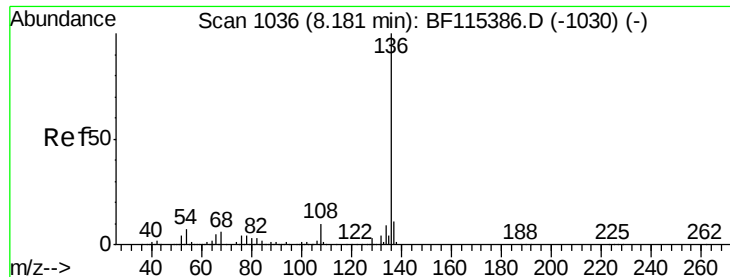


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

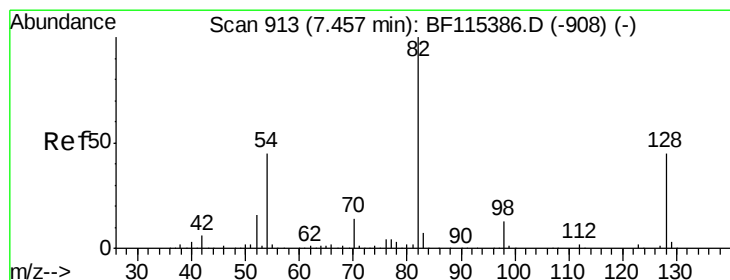
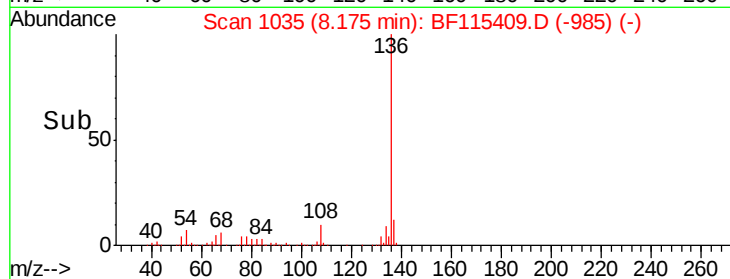
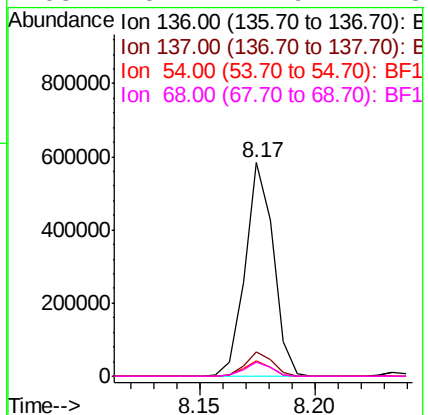
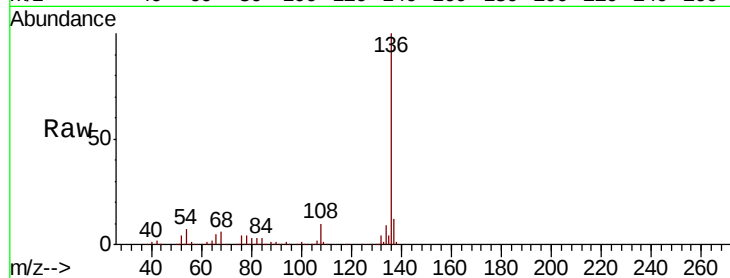




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF115409.D
Acq: 8 Jul 2019 16:54

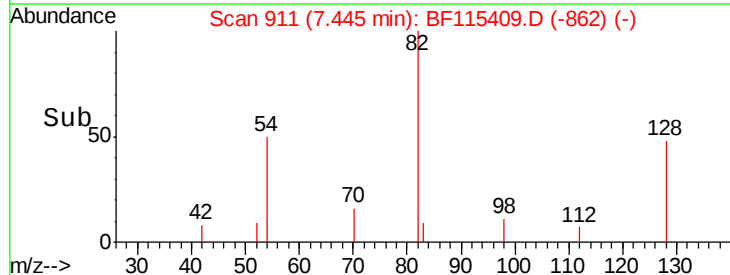
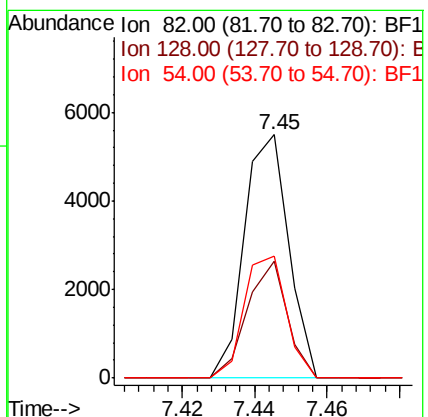
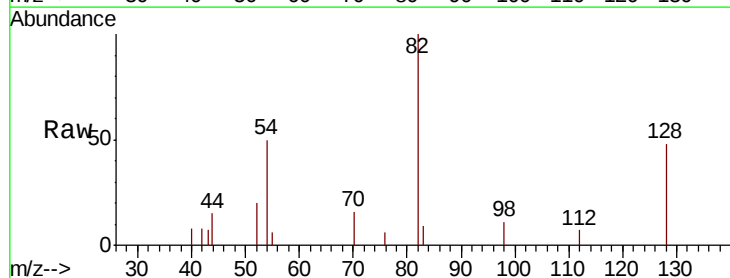
Instrument :
BNA_E
ClientSampleId :

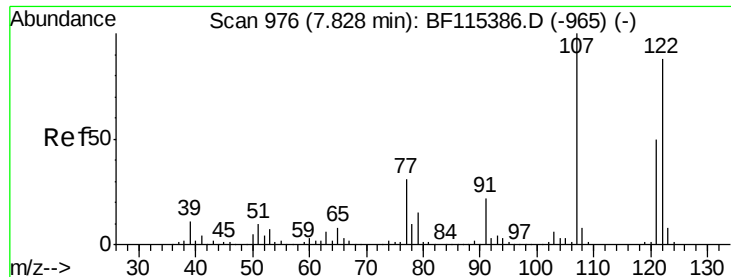
Tot Ion:136	Resp:	498442
Ion	Ratio	Lower Upper
136	100	
137	11.7	8.9 13.3
54	7.4	5.6 8.4
68	6.4	4.9 7.3



#23
Nitrobenzene-d5
Concen: 0.557 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF115409.D
Acq: 8 Jul 2019 16:54

Tgt Ion: 82	Resp:	4698
Ion	Ratio	Lower Upper
82	100	
128	47.8	35.7 53.5
54	49.9	36.3 54.5

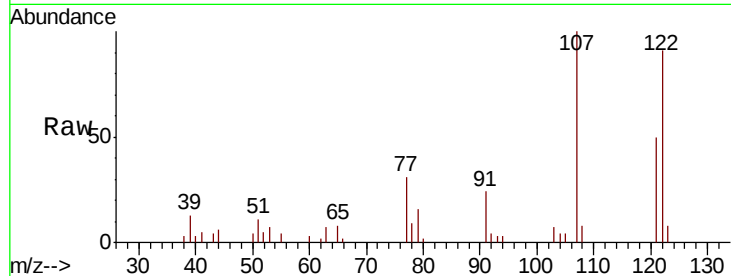




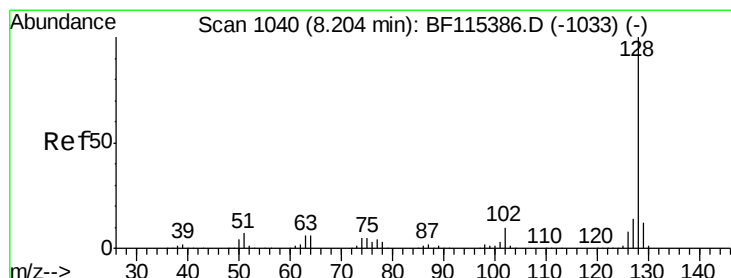
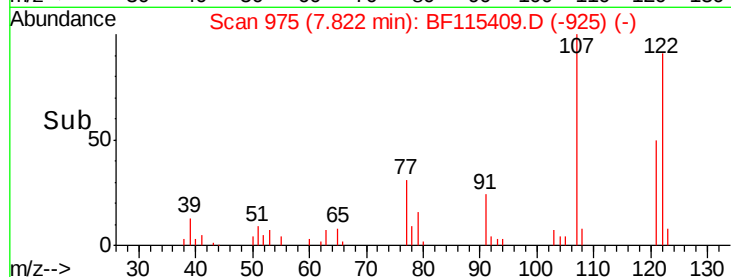
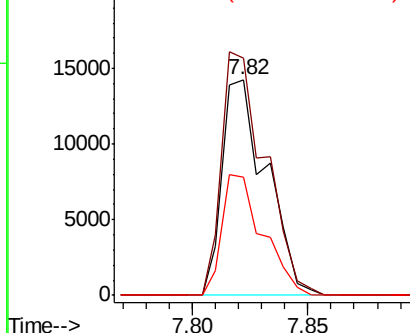
#27
2,4-Dimethylphenol
Concen: 2.542 ng
RT: 7.82 min Scan# 975
Delta R.T. -0.01 min
Lab File: BF115409.D
Acq: 8 Jul 2019 16:54

Instrument :
BNA_E
ClientSampleId :

Tot Ion:122 Resp: 18987
Ion Ratio Lower Upper
122 100
107 110.2 91.0 136.6
121 54.7 45.9 68.9

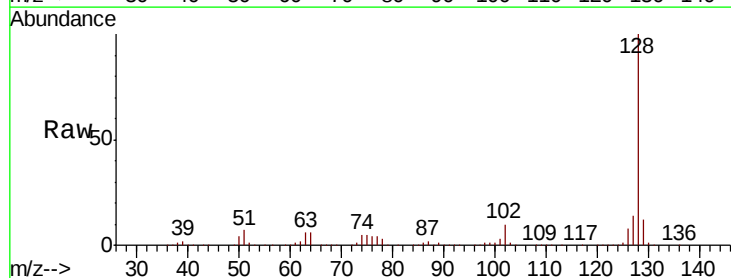


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

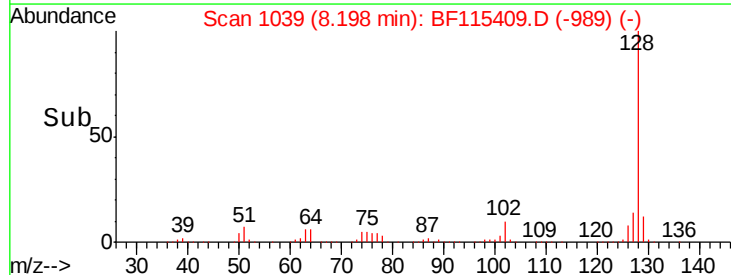
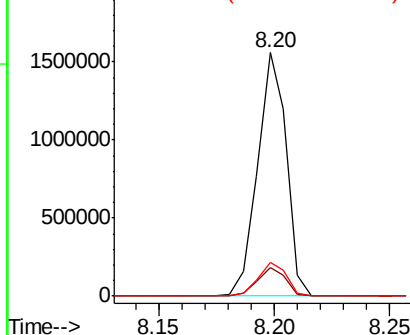


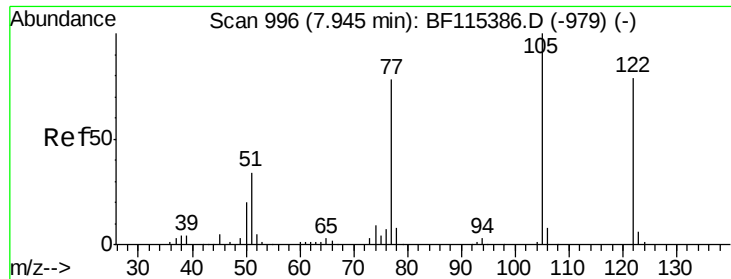
#31
Naphthalene
Concen: 54.535 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF115409.D
Acq: 8 Jul 2019 16:54

Tgt Ion:128 Resp: 1350170
Ion Ratio Lower Upper
128 100
129 11.8 9.4 14.2
127 13.9 11.2 16.8



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

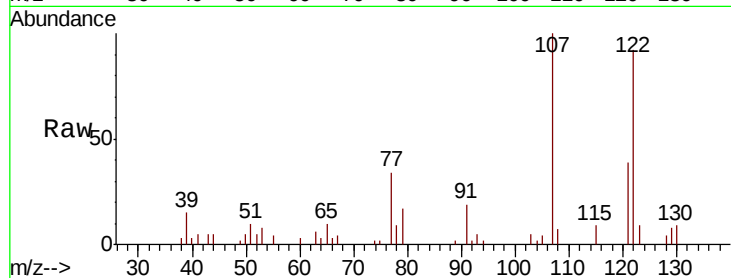




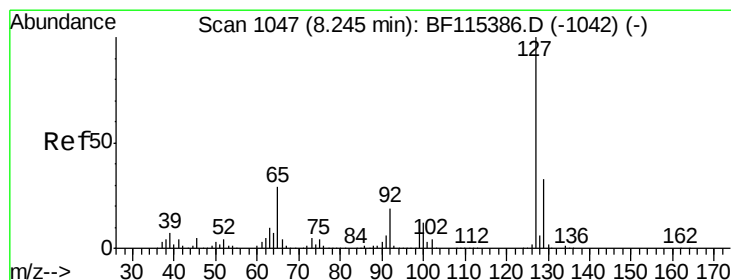
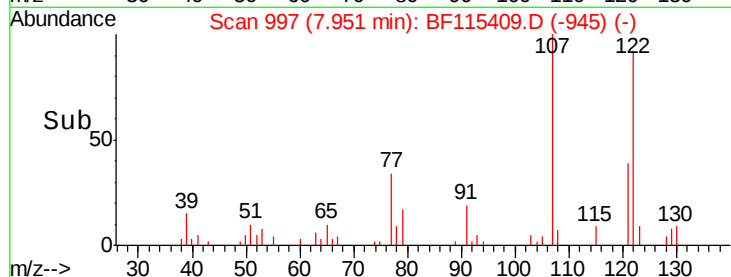
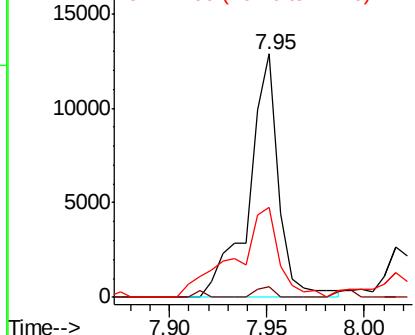
#32
Benzoic acid
Concen: 8.230 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.01 min
Lab File: BF115409.D
Acq: 8 Jul 2019 16:54

Instrument :
BNA_E
ClientSampleId :

Tot Ion:122 Resp: 13621
Ion Ratio Lower Upper
122 100
105 4.2 105.1 145.1#
77 36.8 77.8 117.8#

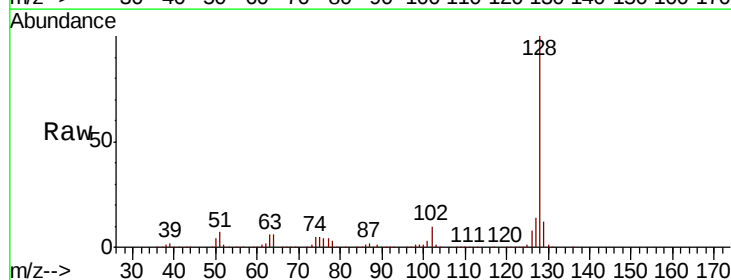


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

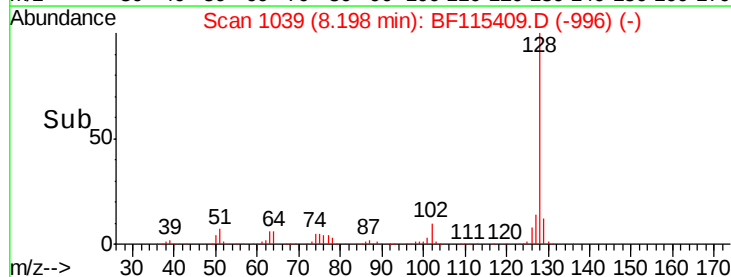
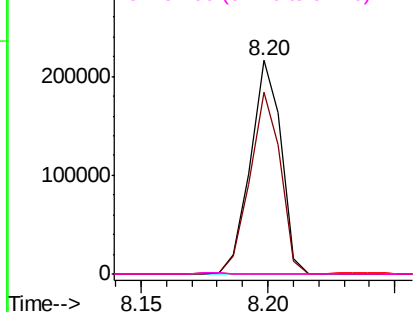


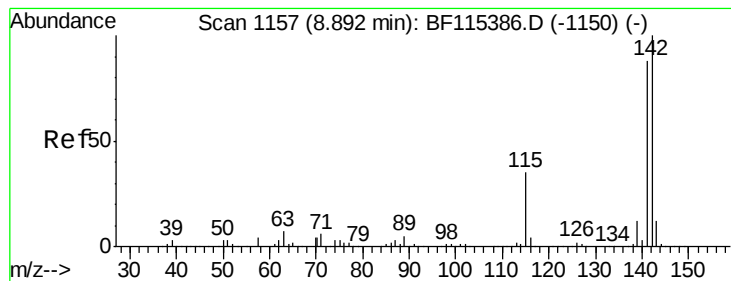
#33
4-Chloroaniline
Concen: 16.581 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF115409.D
Acq: 8 Jul 2019 16:54

Tgt Ion:127 Resp: 183158
Ion Ratio Lower Upper
127 100
129 84.9 26.5 39.7#
65 0.0 23.3 34.9#
92 0.2 15.0 22.4#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

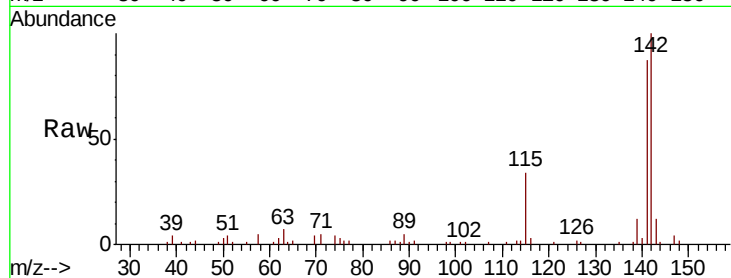




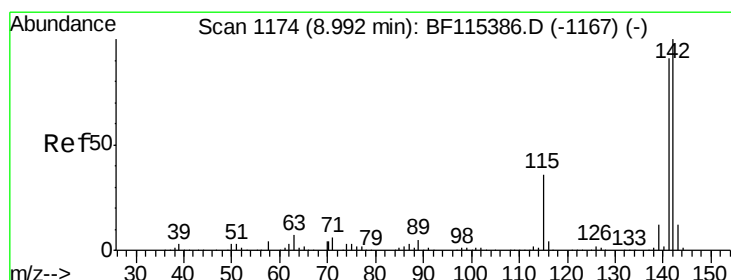
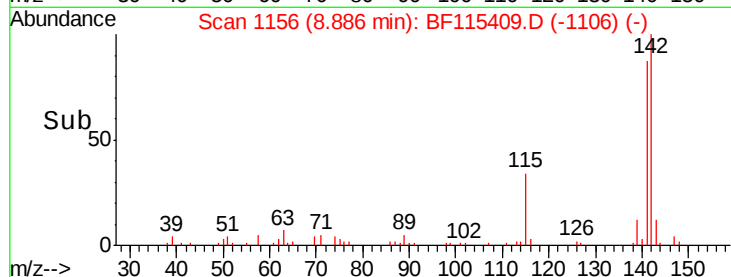
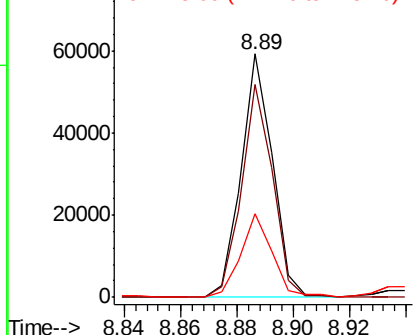
#37
 2-Methylnaphthalene
 Concen: 2.762 ng
 RT: 8.89 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: BF115409.D
 Acq: 8 Jul 2019 16:54

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:142 Resp: 45710
 Ion Ratio Lower Upper
 142 100
 141 87.2 70.6 106.0
 115 34.2 27.8 41.8

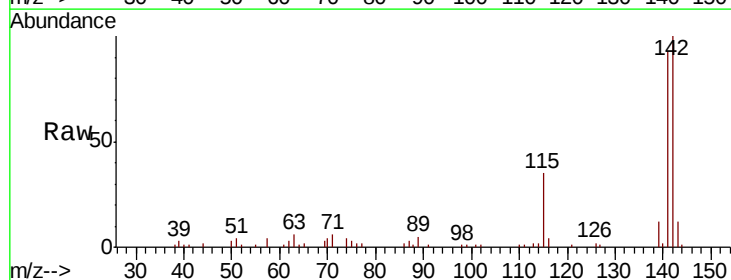


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

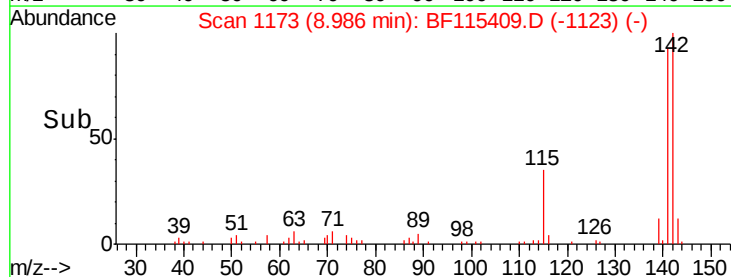
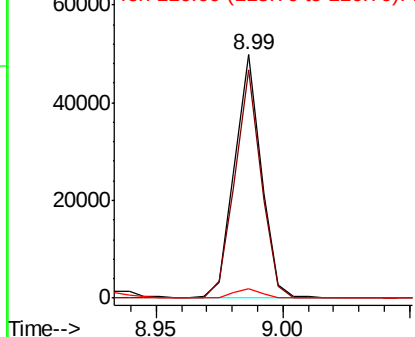


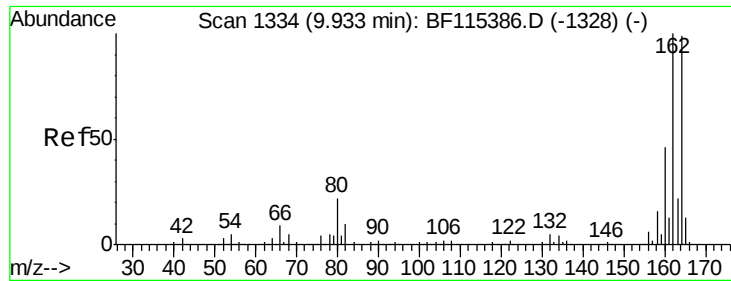
#38
 1-Methylnaphthalene
 Concen: 2.323 ng
 RT: 8.99 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF115409.D
 Acq: 8 Jul 2019 16:54

Tgt Ion:142 Resp: 36678
 Ion Ratio Lower Upper
 142 100
 141 93.5 72.7 109.1
 116 4.1 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

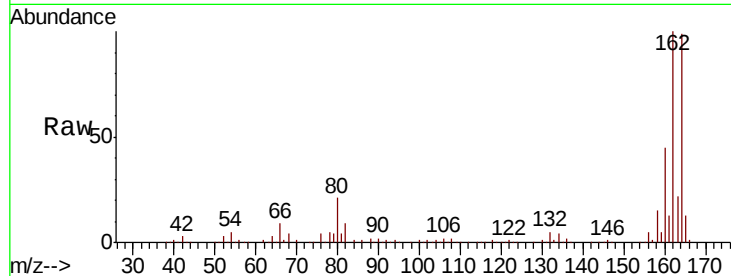




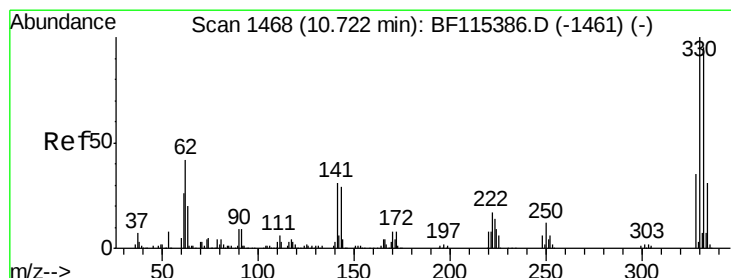
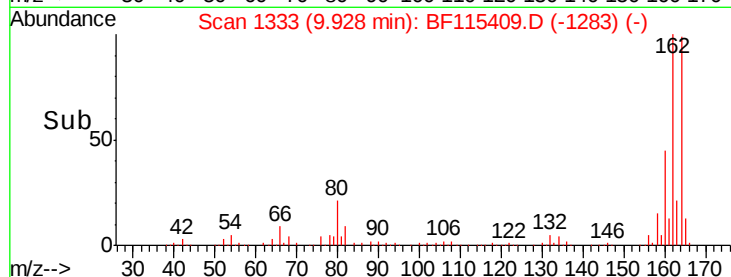
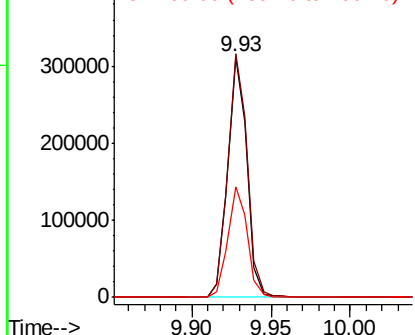
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF115409.D
Acq: 8 Jul 2019 16:54

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 259582
Ion Ratio Lower Upper
164 100
162 101.3 80.6 121.0
160 46.1 37.0 55.6

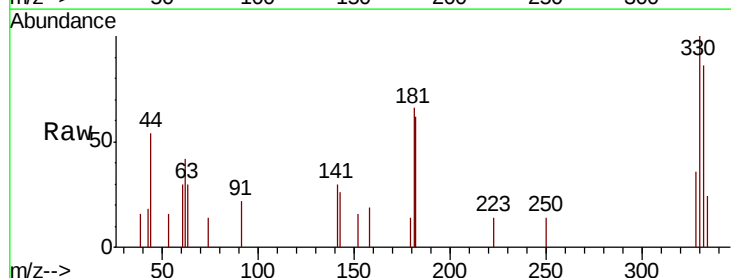


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

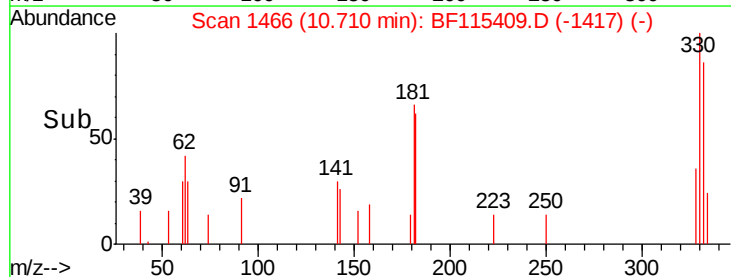
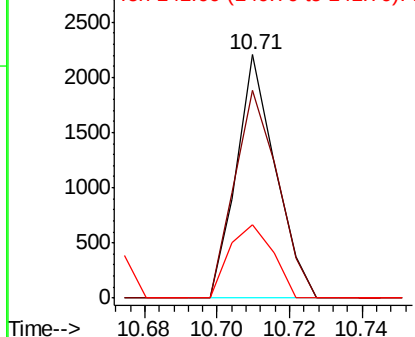


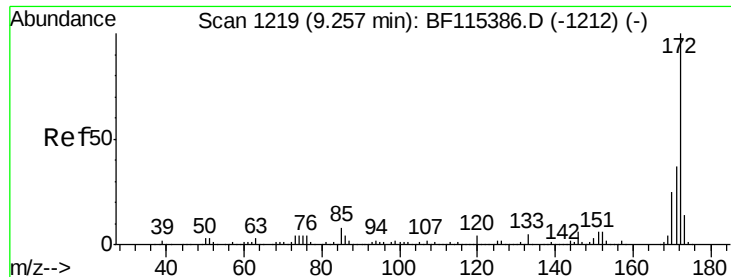
#42
2,4,6-Tribromophenol
Concen: 0.579 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF115409.D
Acq: 8 Jul 2019 16:54

Tgt Ion:330 Resp: 1661
Ion Ratio Lower Upper
330 100
332 94.3 76.3 114.5
141 33.5 27.0 40.4



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

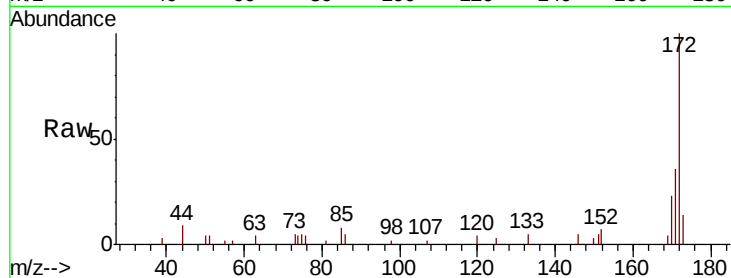




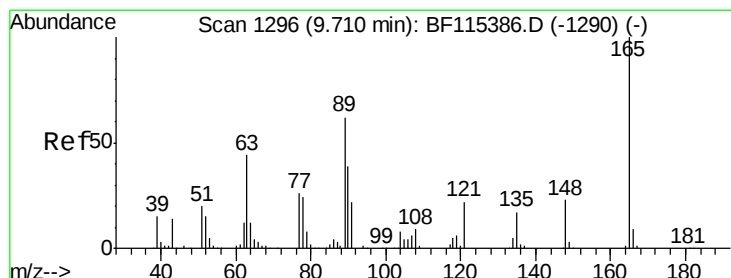
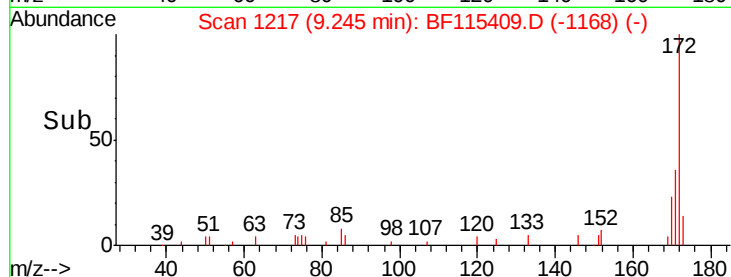
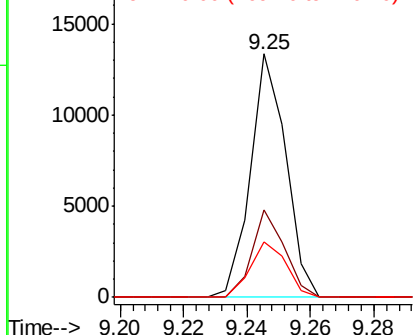
#45
 2-Fluorobiphenyl
 Concen: 0.700 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF115409.D
 Acq: 8 Jul 2019 16:54

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:172 Resp: 10357
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.8 44.8
 170 22.6 20.2 30.4

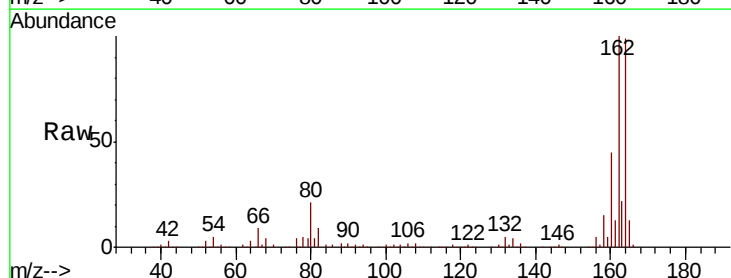


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

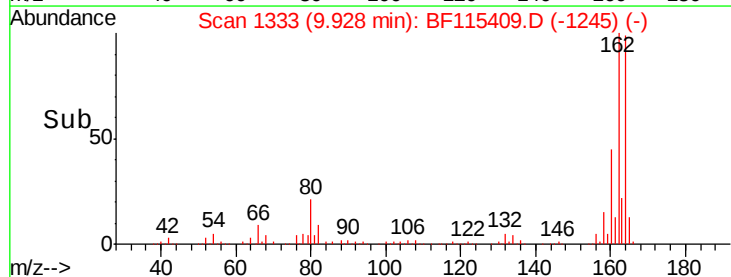
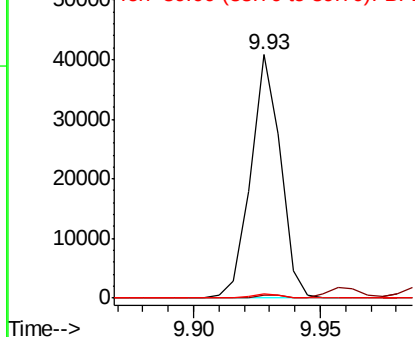


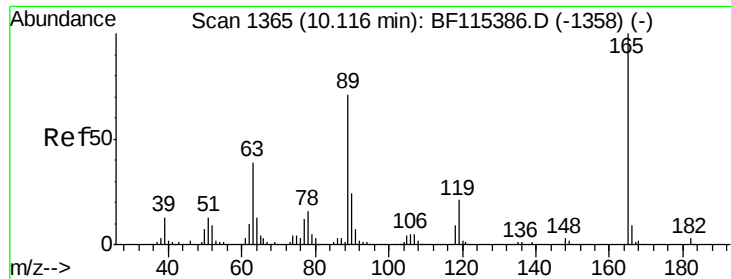
#51
 2,6-Dinitrotoluene
 Concen: 7.895 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.22 min
 Lab File: BF115409.D
 Acq: 8 Jul 2019 16:54

Tgt Ion:165 Resp: 33362
 Ion Ratio Lower Upper
 165 100
 63 1.3 45.8 68.6#
 89 1.8 49.9 74.9#



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

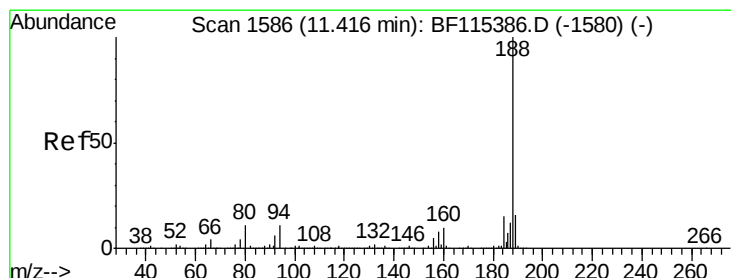
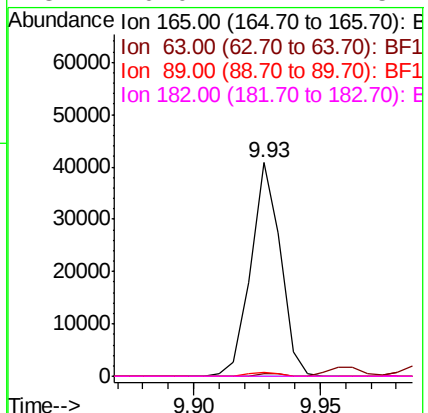
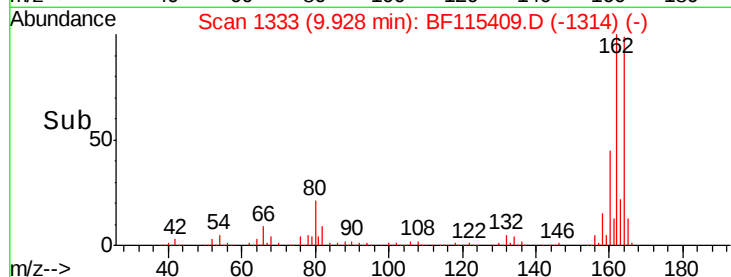
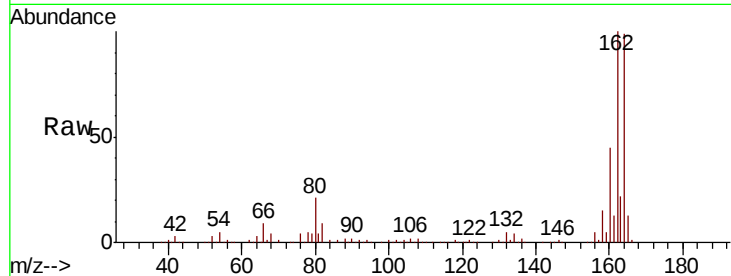




#57
2,4-Dinitrotoluene
Concen: 6.213 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.19 min
Lab File: BF115409.D
Acq: 8 Jul 2019 16:54

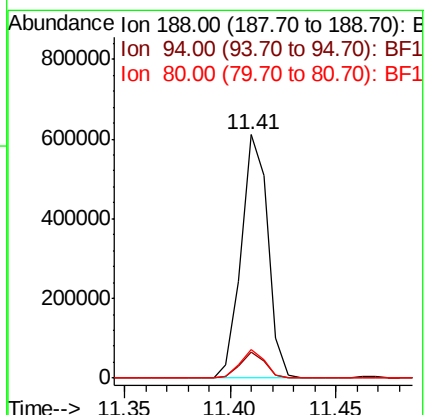
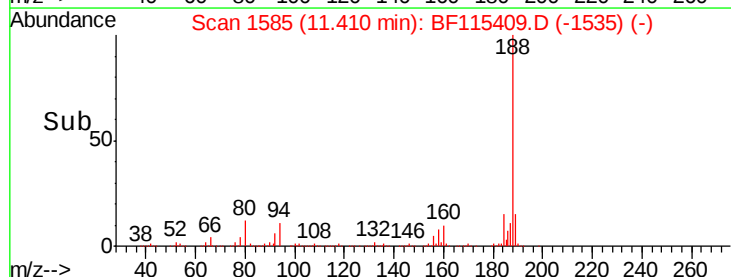
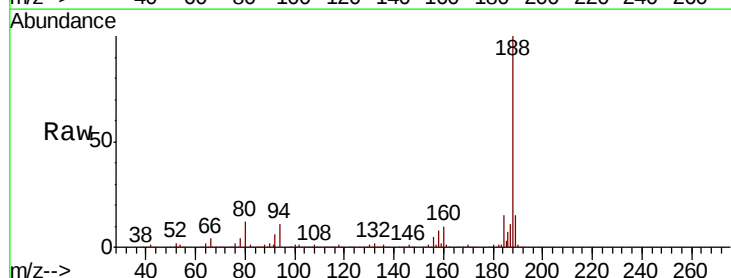
Instrument :
BNA_E
ClientSampleId :

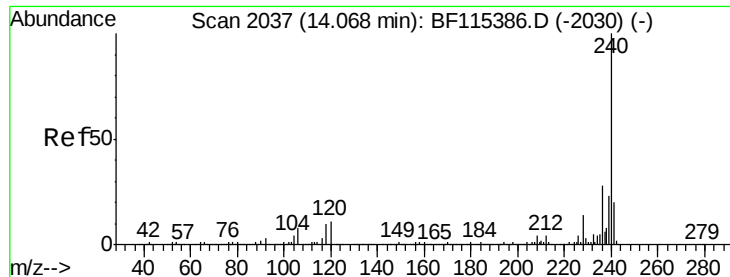
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	31.4	47.0#
89	1.8	57.1	85.7#
182	0.0	2.2	3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF115409.D
Acq: 8 Jul 2019 16:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	11.6	9.1	13.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF115409.D

Acq: 8 Jul 2019 16:54

Instrument :

BNA_E

ClientSampleId :

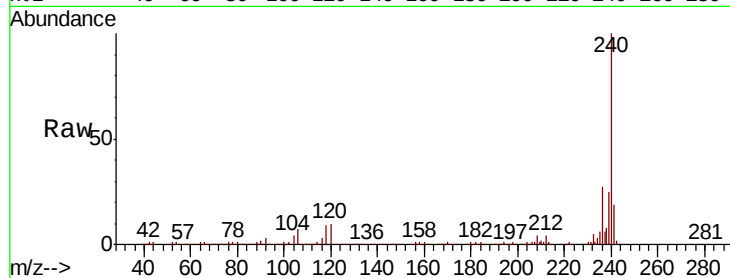
Tot Ion:240 Resp: 450556

Ion Ratio Lower Upper

240 100

120 10.0 9.1 13.7

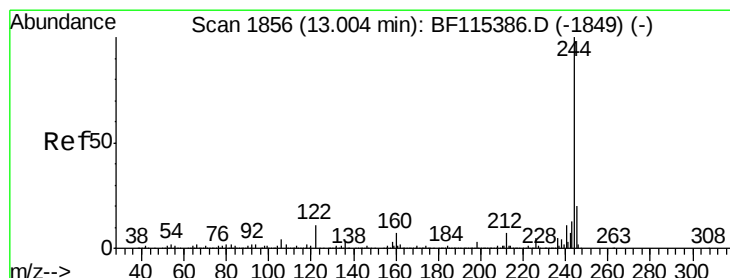
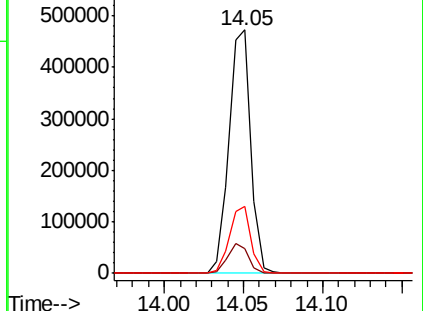
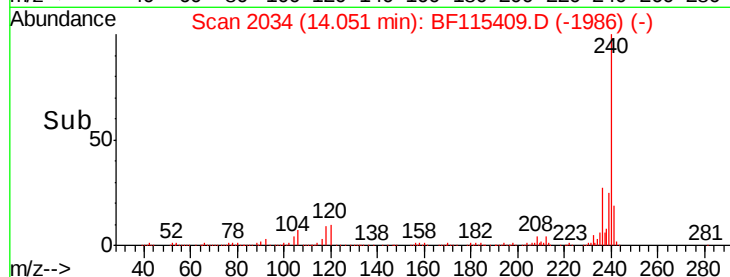
236 27.3 22.5 33.7



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: 0.671 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF115409.D

Acq: 8 Jul 2019 16:54

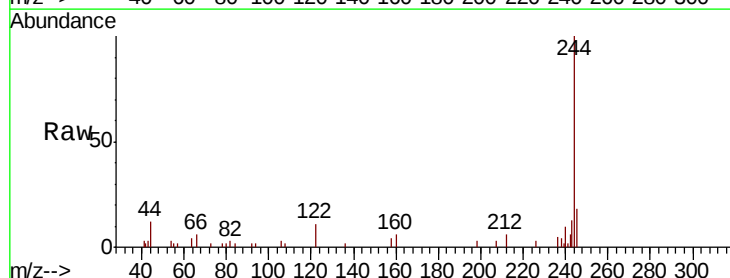
Tgt Ion:244 Resp: 14772

Ion Ratio Lower Upper

244 100

212 6.2 5.7 8.5

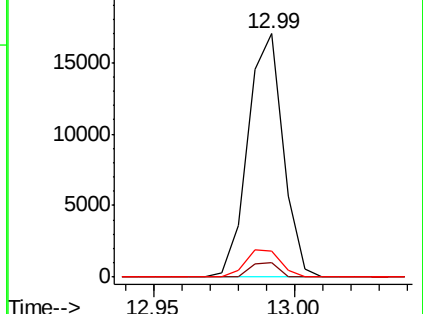
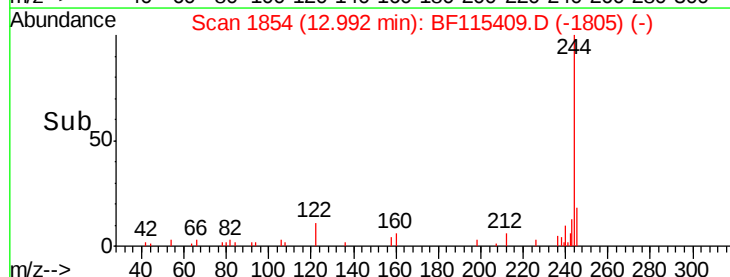
122 10.6 9.1 13.7

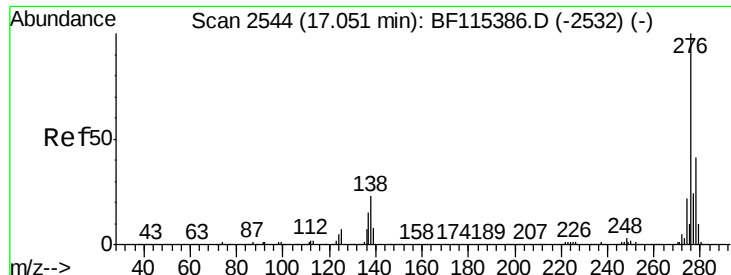


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

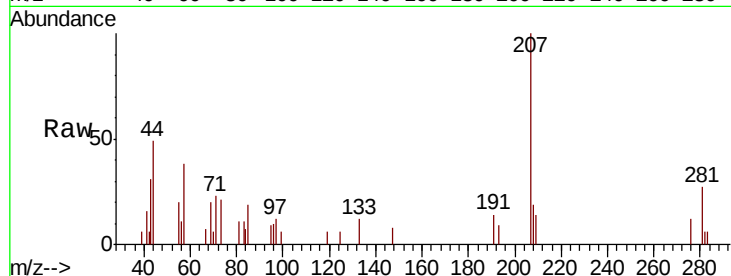




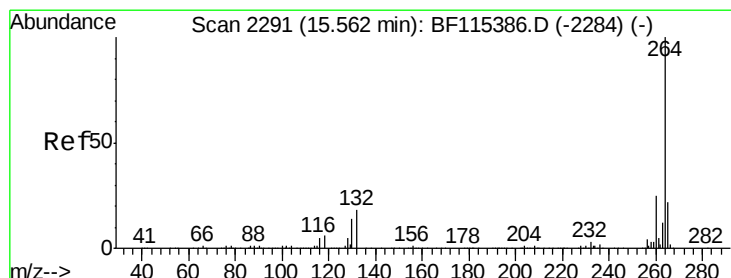
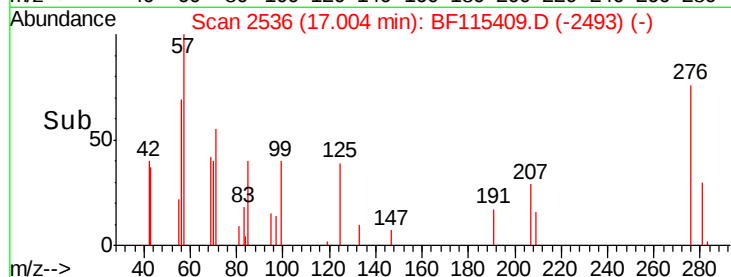
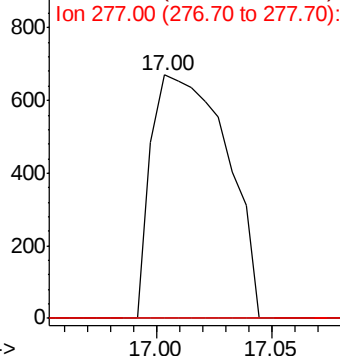
#86
 Indeno(1,2,3-cd)pyrene
 Concen: Below Cal
 RT: 17.00 min Scan# 2536
 Delta R.T. -0.05 min
 Lab File: BF115409.D
 Acq: 8 Jul 2019 16:54

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:276 Resp: 1522
 Ion Ratio Lower Upper
 276 100
 138 0.0 0.0 0.0
 277 0.0 0.0 0.0

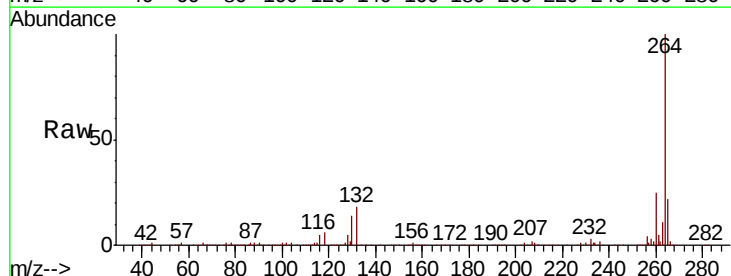


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2286
 Delta R.T. -0.03 min
 Lab File: BF115409.D
 Acq: 8 Jul 2019 16:54

Tgt Ion:264 Resp: 445485
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.9 29.9
 265 21.9 17.4 26.2



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

