

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116790.D
 Acq On : 4 Sep 2019 00:07
 Operator : HP/JU
 Sample : K4547-04DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 06:06:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

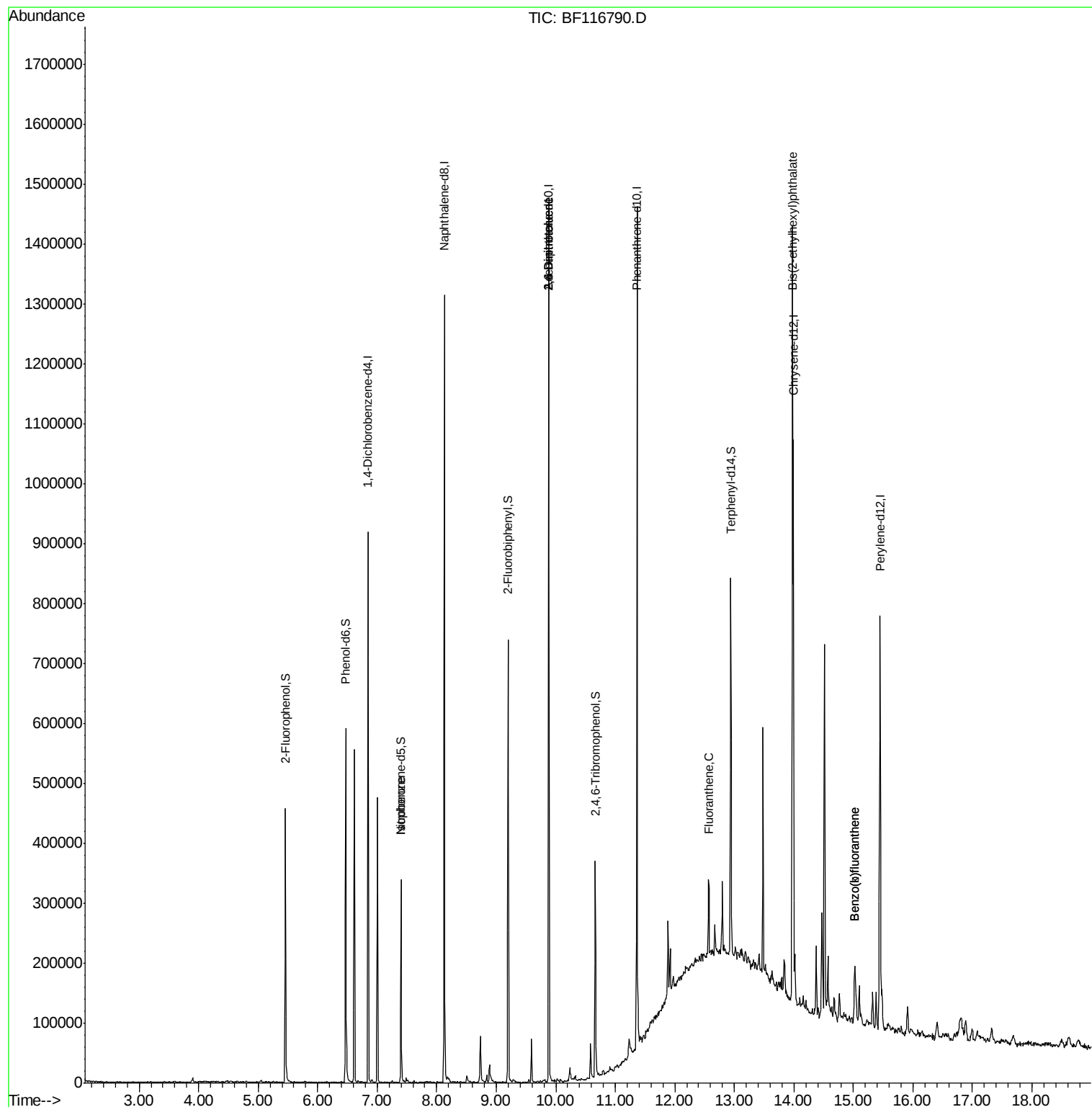
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	134903	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	555590	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	284065	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	448193	20.00	ng	0.00
76) Chrysene-d12	13.99	240	282577	20.00	ng	0.00
87) Perylene-d12	15.45	264	322212	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	136972	16.45	ng	0.00
7) Phenol-d6	6.47	99	190212	17.40	ng	-0.01
23) Nitrobenzene-d5	7.40	82	106200	10.91	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	36341	19.14	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	207902	12.35	ng	-0.01
79) Terphenyl-d14	12.94	244	181315	11.87	ng	-0.01
Target Compounds						
25) Isophorone	7.40	82	106199	5.385	ng	# 66
51) 2,6-Dinitrotoluene	9.88	165	35837	9.578	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	35837	7.833	ng	# 21
75) Fluoranthene	12.57	202	53088	2.165	ng	96
84) Bis(2-ethylhexyl)phthalate	13.97	149	340545	22.584	ng	98
88) Benzo(b)fluoranthene	15.02	252	56402	2.895	ng	# 92
89) Benzo(k)fluoranthene	15.02	252	56402	3.175	ng	# 93

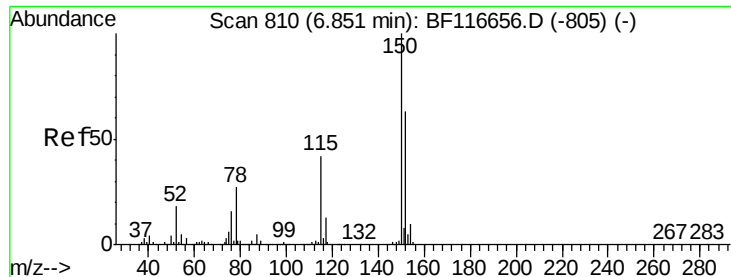
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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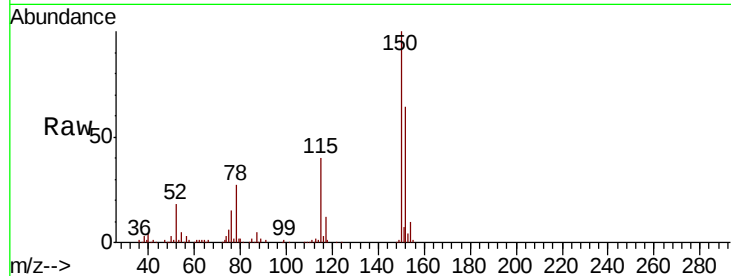


#1

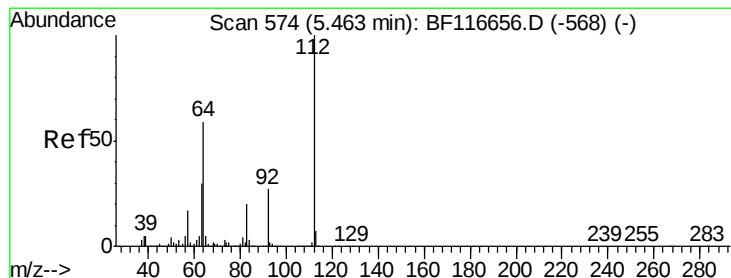
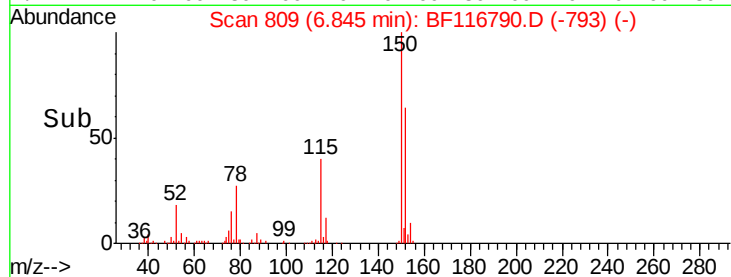
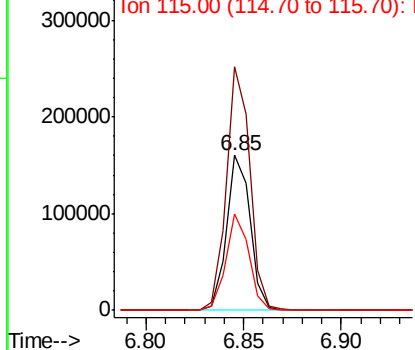
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116790.D
Acq: 4 Sep 2019 00:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.4	186.6
115	62.5	49.9	74.9



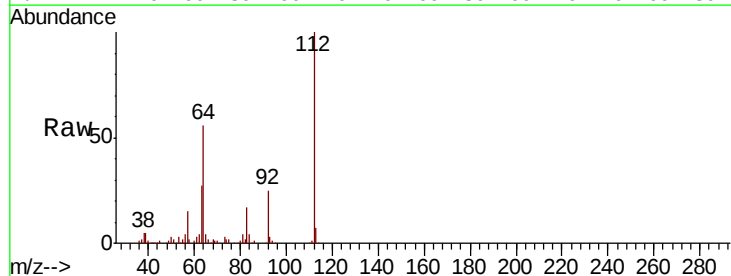
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



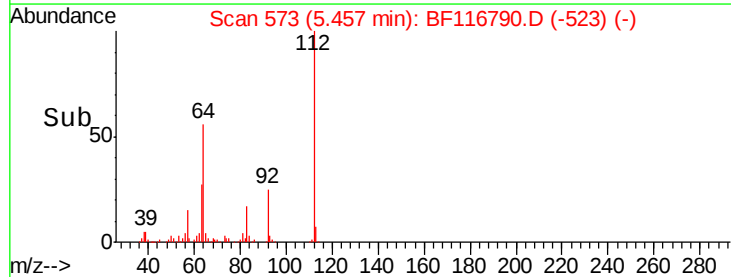
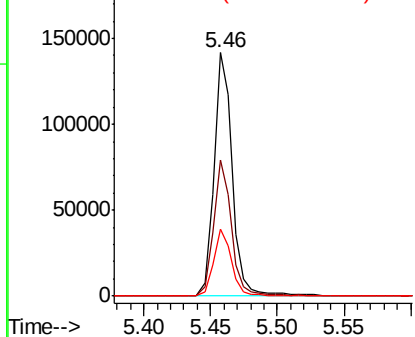
#5

2-Fluorophenol
Concen: 16.449 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116790.D
Acq: 4 Sep 2019 00:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.1	70.7
63	27.3	24.9	37.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 17.396 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116790.D

Acq: 4 Sep 2019 00:07

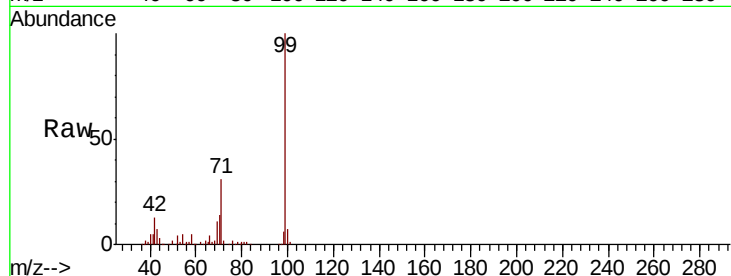
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 190212

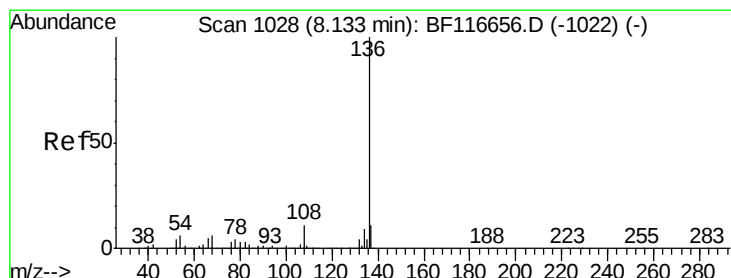
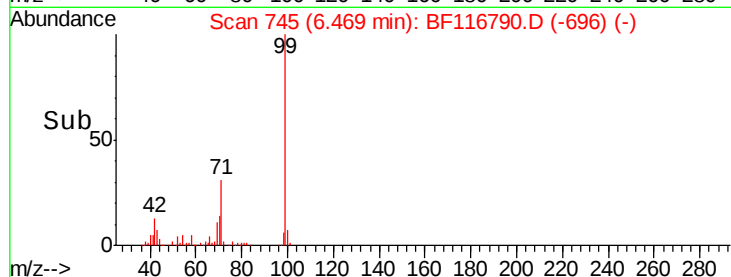
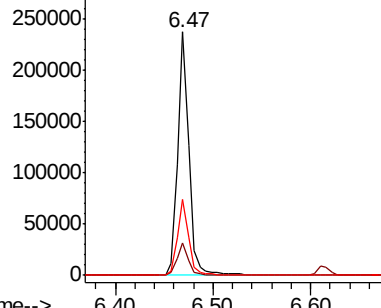
Ion	Ratio	Lower	Upper
99	100		
42	13.4	13.7	20.5#
71	31.4	30.8	46.2



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

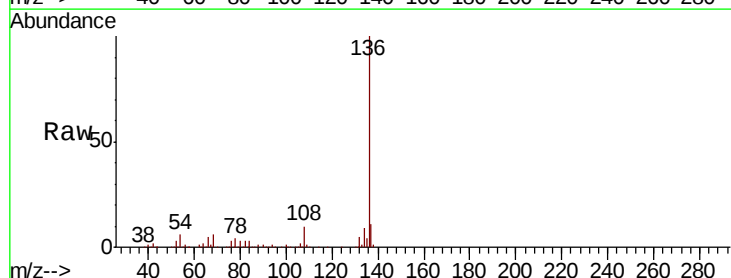
Delta R.T. -0.01 min

Lab File: BF116790.D

Acq: 4 Sep 2019 00:07

Tgt Ion: 136 Resp: 555590

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.0	4.8	7.2
68	6.1	4.0	6.0#

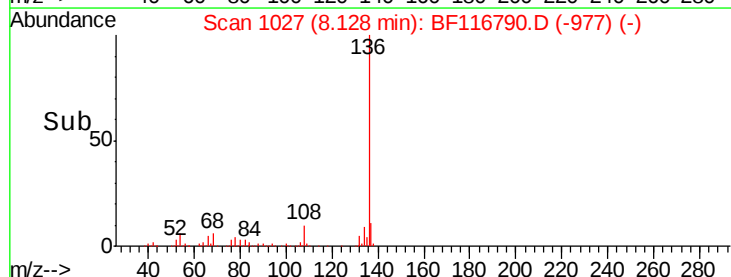
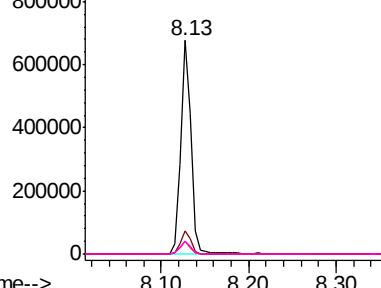


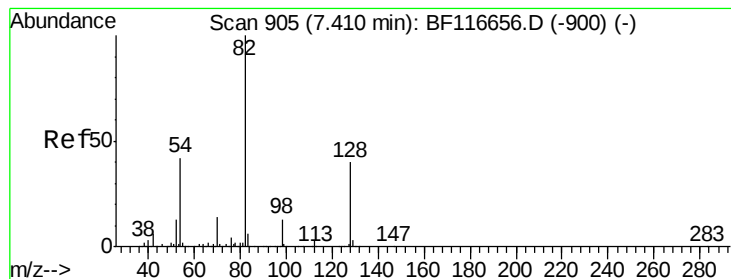
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 10.912 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF116790.D

Acq: 4 Sep 2019 00:07

Instrument :

BNA_F

ClientSampleId :

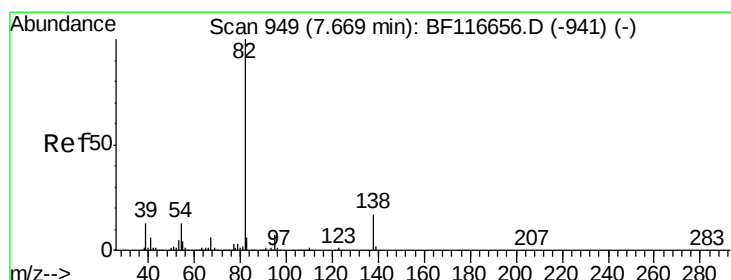
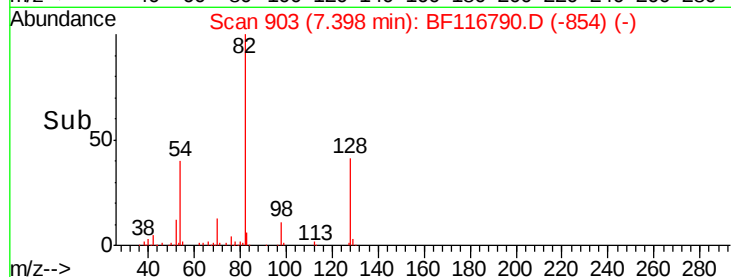
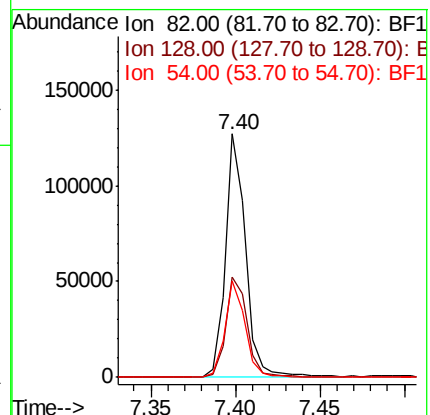
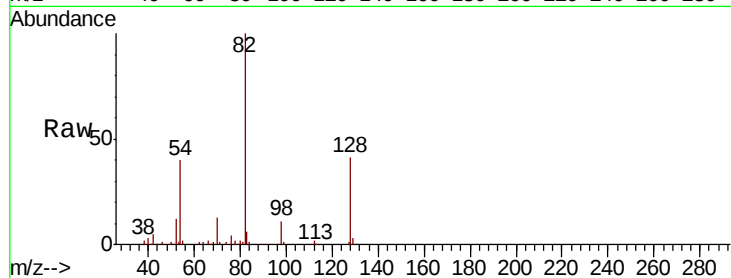
Tot Ion: 82 Resp: 106200

Ion Ratio Lower Upper

82 100

128 41.4 32.8 49.2

54 39.8 36.9 55.3



#25

Isophorone

Concen: 5.385 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF116790.D

Acq: 4 Sep 2019 00:07

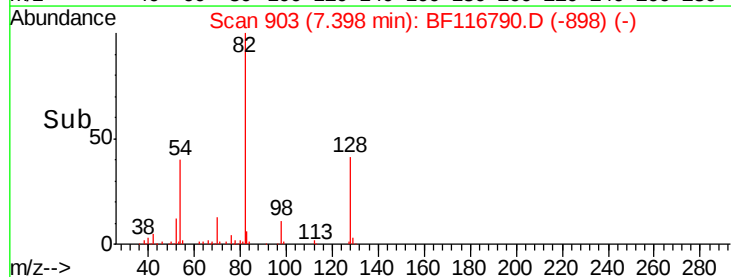
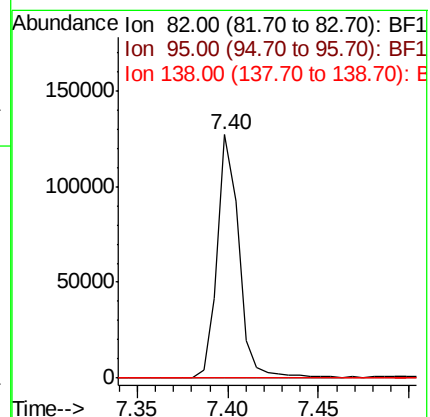
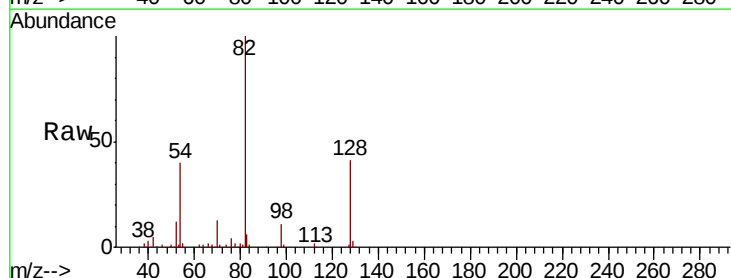
Tgt Ion: 82 Resp: 106199

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#

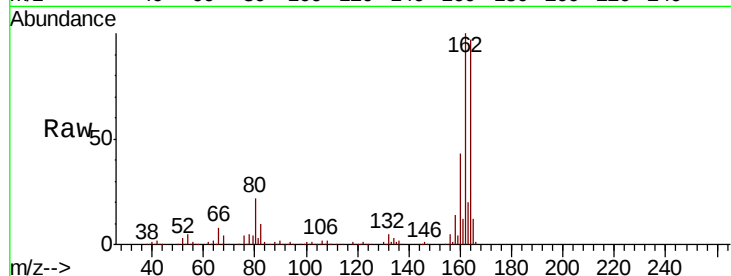




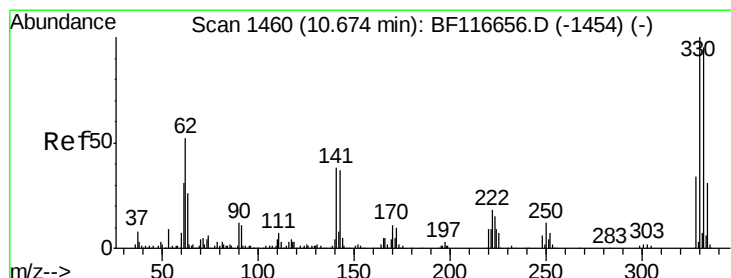
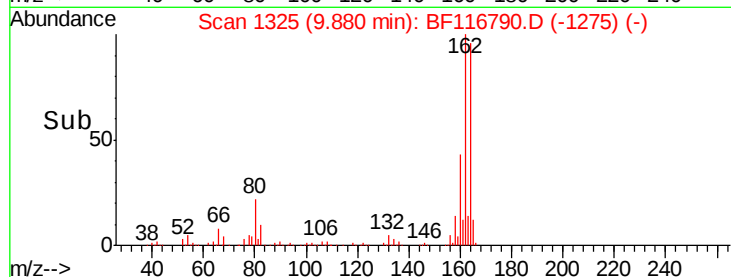
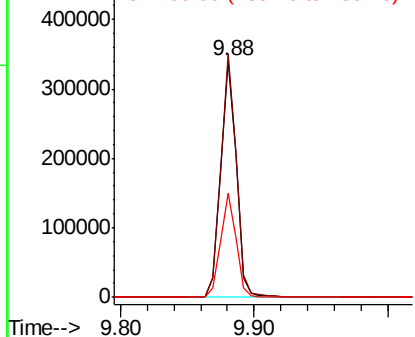
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116790.D
Acq: 4 Sep 2019 00:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.4	122.0
160	44.3	35.4	53.2

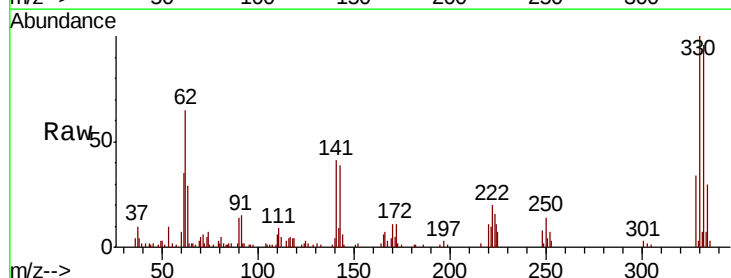


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

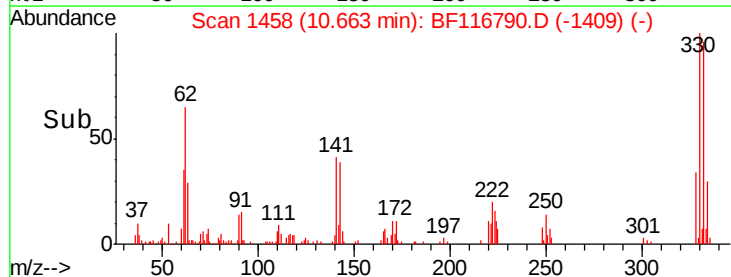
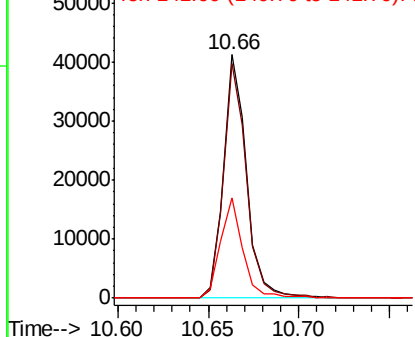


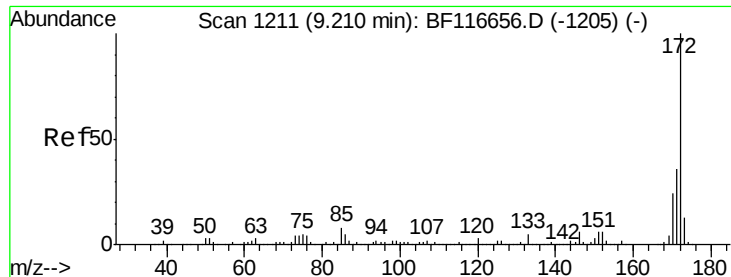
#42
2,4,6-Tribromophenol
Concen: 19.137 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116790.D
Acq: 4 Sep 2019 00:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.9	115.3
141	40.4	31.4	47.2



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

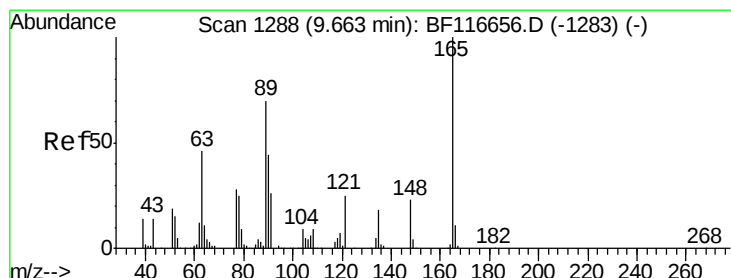
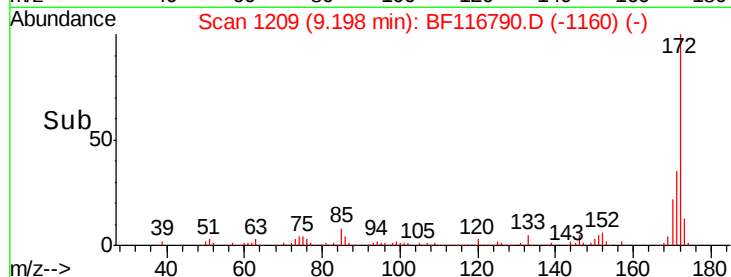
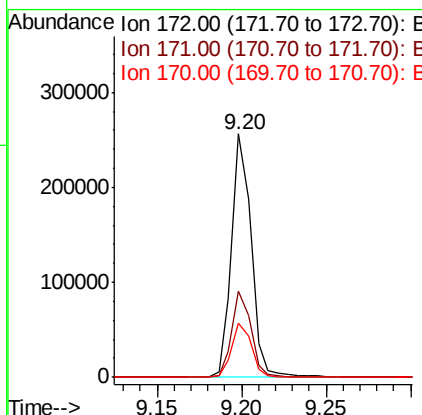
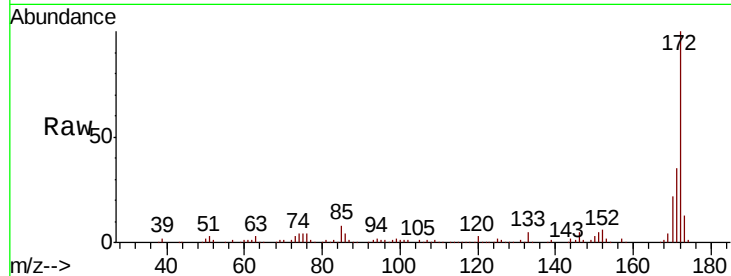




#45
 2-Fluorobiphenyl
 Concen: 12.346 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116790.D
 Acq: 4 Sep 2019 00:07

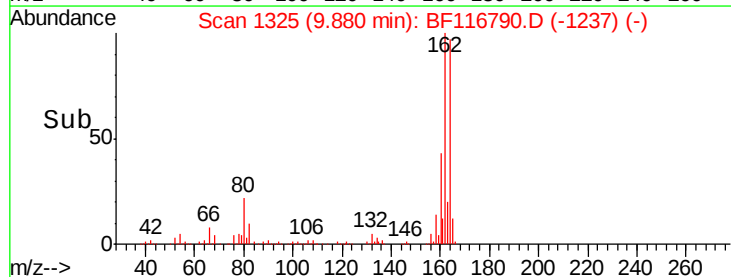
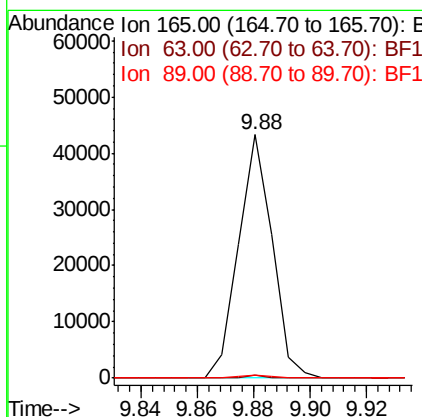
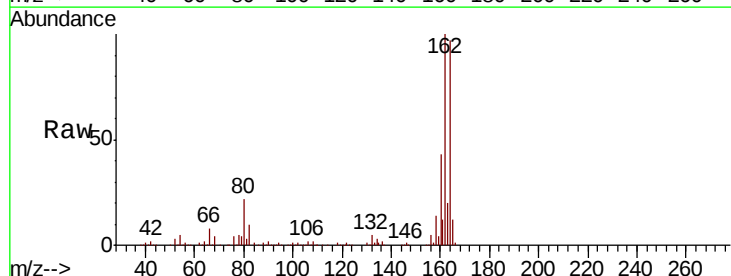
Instrument :
 BNA_F
 ClientSampleId :

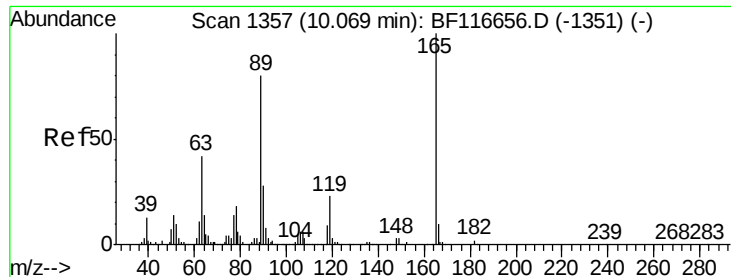
Tot Ion:172 Resp: 207902
 Ion Ratio Lower Upper
 172 100
 171 35.2 27.8 41.6
 170 22.2 18.9 28.3



#51
 2,6-Dinitrotoluene
 Concen: 9.578 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.22 min
 Lab File: BF116790.D
 Acq: 4 Sep 2019 00:07

Tgt Ion:165 Resp: 35837
 Ion Ratio Lower Upper
 165 100
 63 1.1 47.3 70.9#
 89 1.5 52.5 78.7#

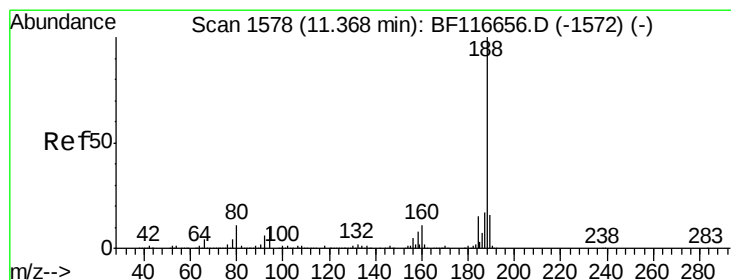
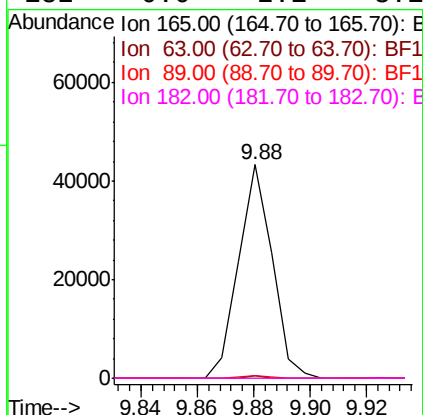
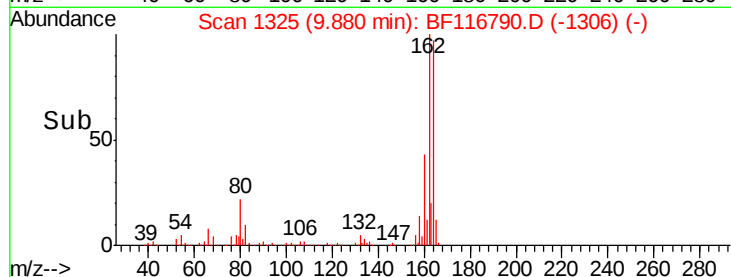
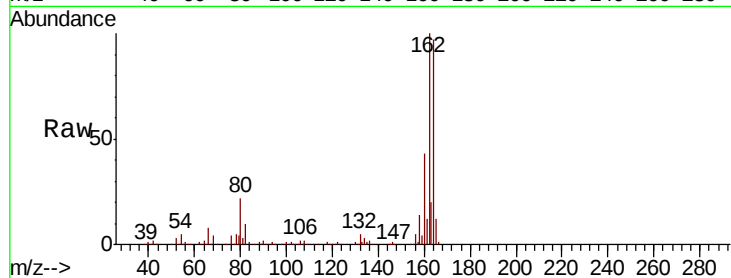




#57
 2,4-Dinitrotoluene
 Concen: 7.833 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116790.D
 Acq: 4 Sep 2019 00:07

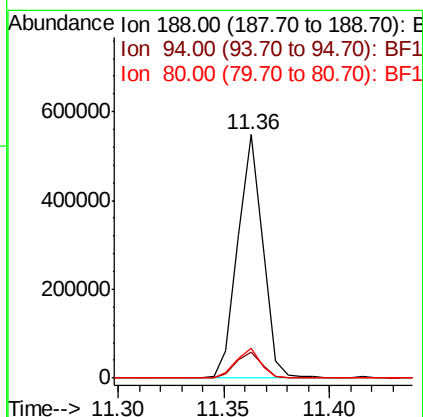
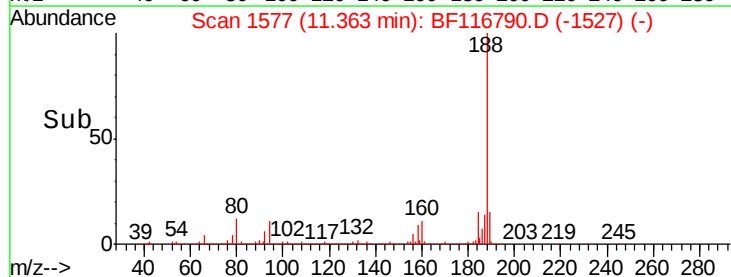
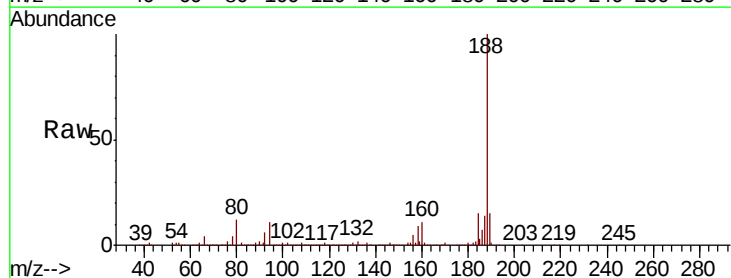
Instrument :
 BNA_F
 ClientSampleId :

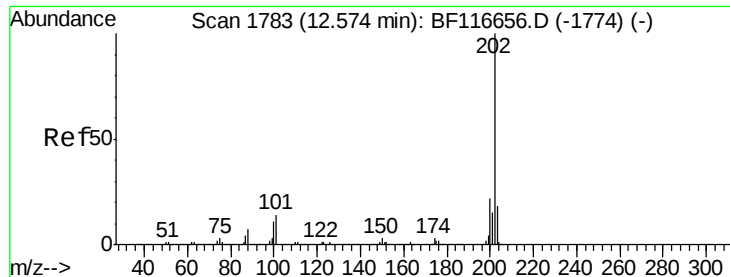
Tot Ion:165	Resp:	35837
Ion Ratio	Lower	Upper
165	100	
63	1.1	36.4 54.6#
89	1.5	62.6 94.0#
182	0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116790.D
 Acq: 4 Sep 2019 00:07

Tgt Ion:188	Resp:	448193
Ion Ratio	Lower	Upper
188	100	
94	10.9	7.3 10.9
80	12.1	8.4 12.6





#75

Fluoranthene

Concen: 2.165 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116790.D

Acq: 4 Sep 2019 00:07

Instrument :

BNA_F

ClientSampleId :

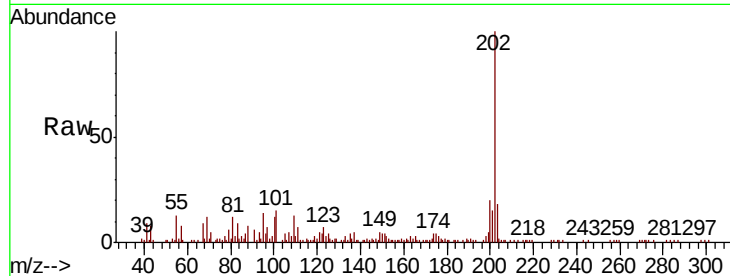
Tot Ion:202 Resp: 53088

Ion Ratio Lower Upper

202 100

101 15.0 0.0 31.3

203 18.1 0.0 37.6

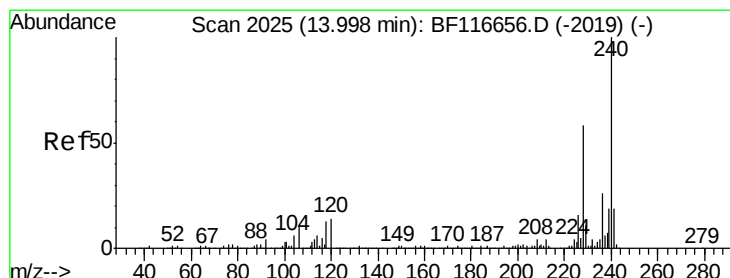
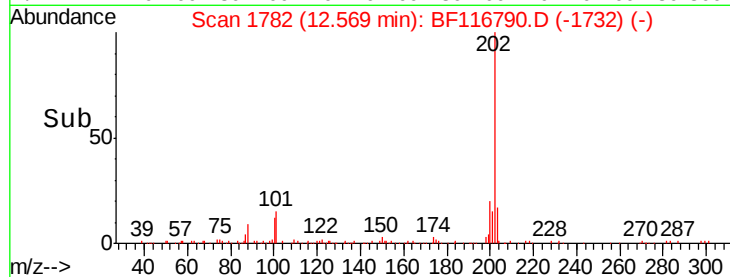
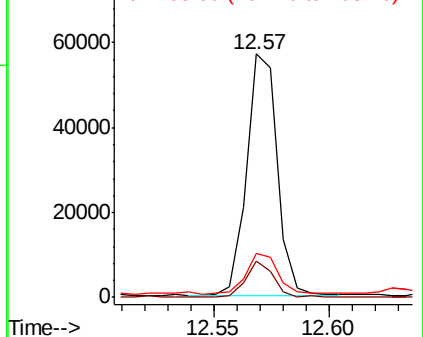


Abundance

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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116790.D

Acq: 4 Sep 2019 00:07

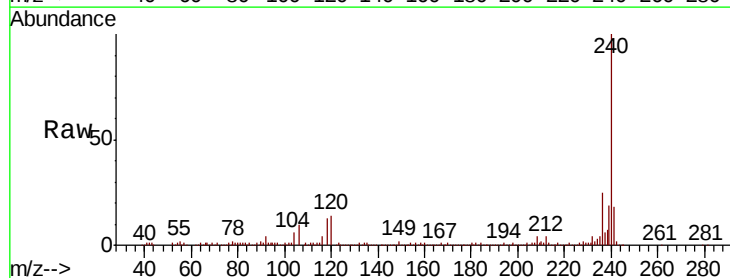
Tgt Ion:240 Resp: 282577

Ion Ratio Lower Upper

240 100

120 14.2 9.1 13.7#

236 25.3 21.1 31.7

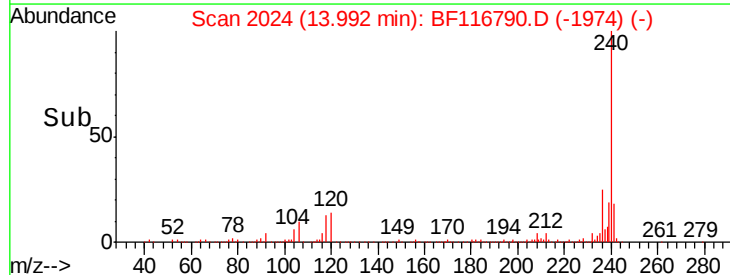
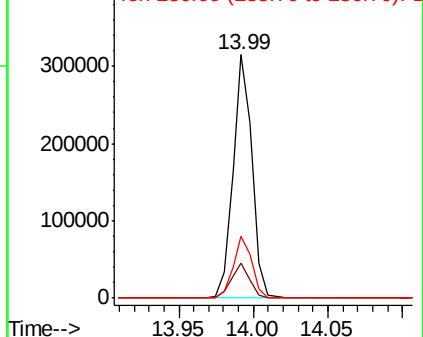


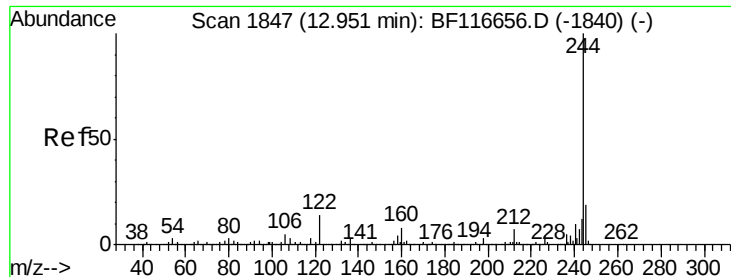
Abundance

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

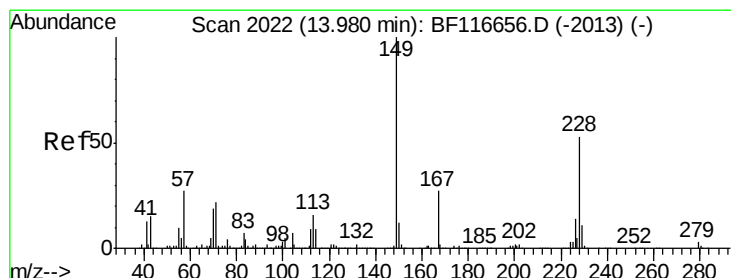
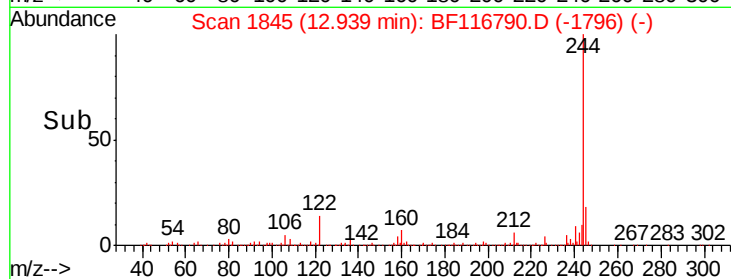
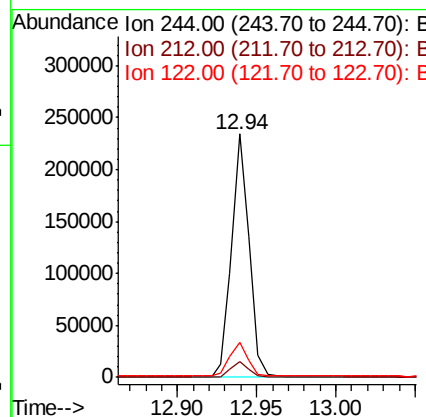
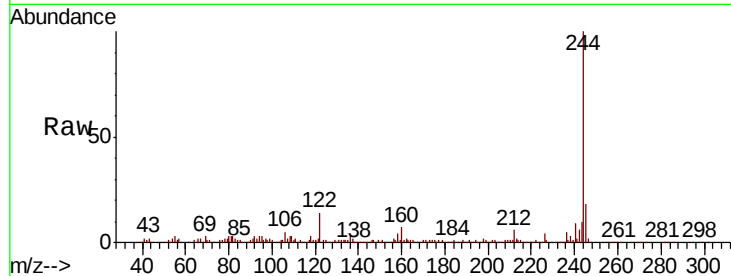




#79
 Terphenyl-d14
 Concen: 11.870 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116790.D
 Acq: 4 Sep 2019 00:07

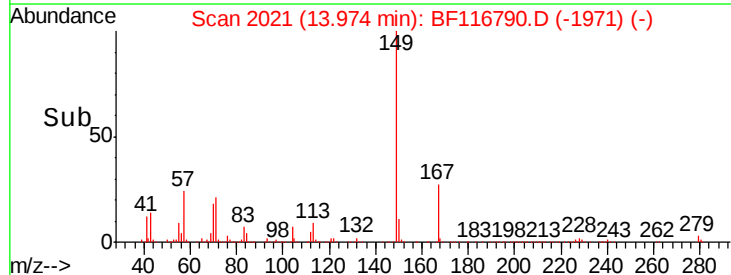
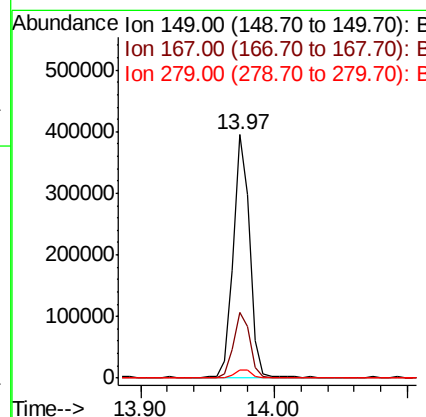
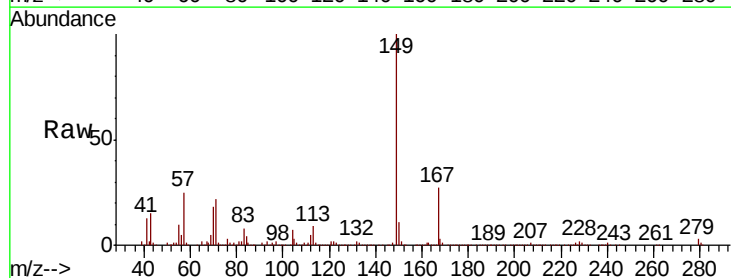
Instrument :
 BNA_F
 ClientSampleId :

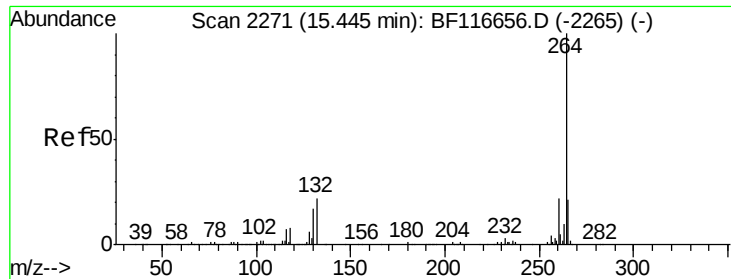
Tot Ion:244 Resp: 181315
 Ion Ratio Lower Upper
 244 100
 212 6.2 6.1 9.1
 122 14.4 10.2 15.4



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 22.584 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF116790.D
 Acq: 4 Sep 2019 00:07

Tgt Ion:149 Resp: 340545
 Ion Ratio Lower Upper
 149 100
 167 27.2 21.0 31.4
 279 3.1 2.8 4.2

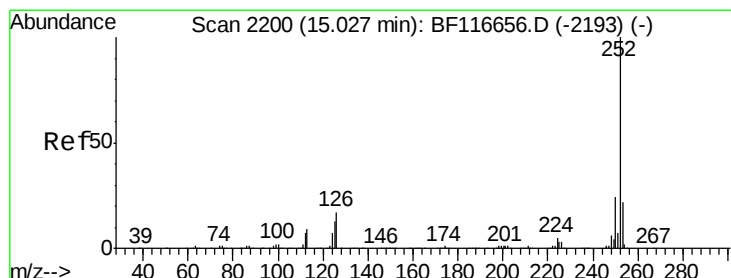
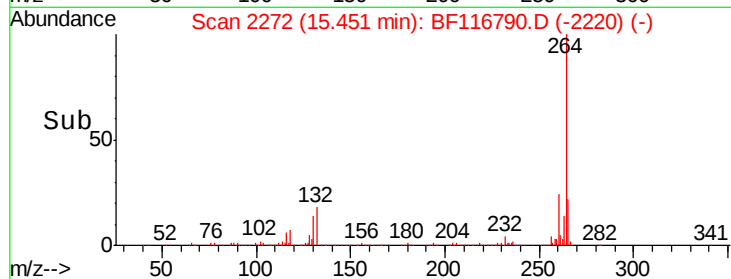
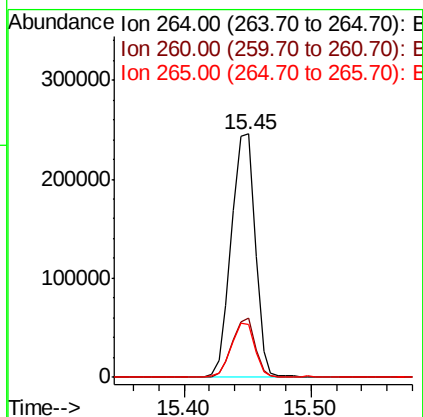
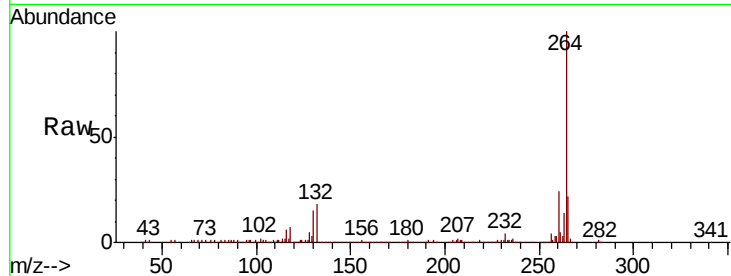




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116790.D
Acq: 4 Sep 2019 00:07

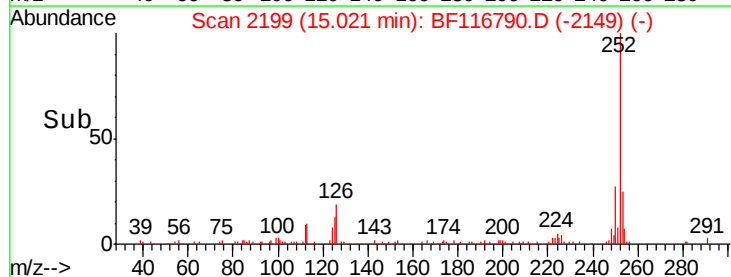
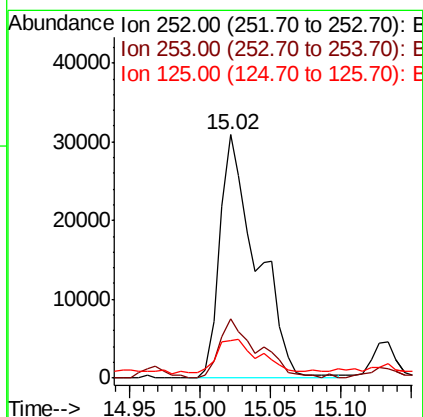
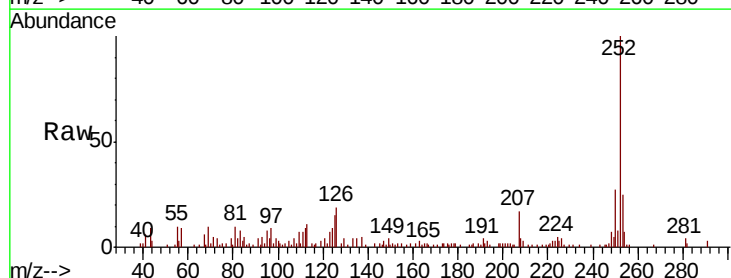
Instrument :
BNA_F
ClientSampleId :

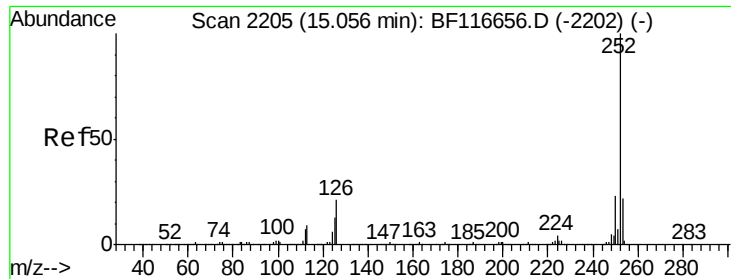
Tot Ion:264 Resp: 322212
Ion Ratio Lower Upper
264 100
260 24.3 18.3 27.5
265 21.9 16.5 24.7



#88
Benzo(b)fluoranthene
Concen: 2.895 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116790.D
Acq: 4 Sep 2019 00:07

Tgt Ion:252 Resp: 56402
Ion Ratio Lower Upper
252 100
253 24.5 17.7 26.5
125 15.2 8.2 12.2#





#89

Benzo(k)fluoranthene

Concen: 3.175 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.04 min

Lab File: BF116790.D

Acq: 4 Sep 2019 00:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 56402

Ion Ratio Lower Upper

252 100

253 24.5 17.7 26.5

125 15.2 8.6 13.0#

