

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121118\
 Data File : BF111299.D
 Acq On : 12 Dec 2018 2:00
 Operator : JU/SJ
 Sample : J6193-03 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-121018-B

Quant Time: Dec 12 04:32:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 01:15:27 2018
 Response via : Initial Calibration

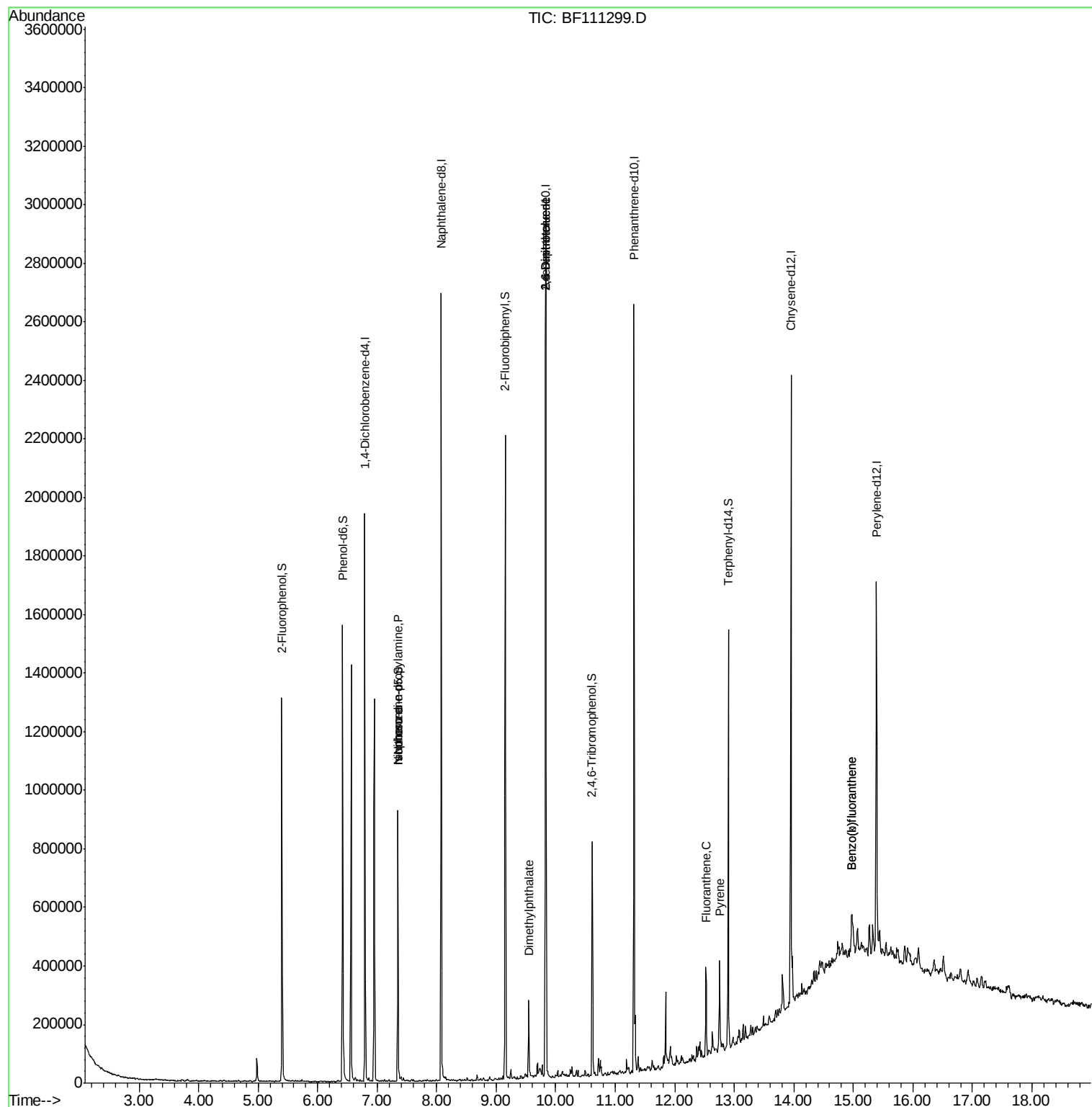
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	275849	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1123369	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	570914	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	906392	20.00	ng	0.00
76) Chrysene-d12	13.95	240	674626	20.00	ng	0.00
87) Perylene-d12	15.39	264	604939	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	362883	20.77	ng	-0.01
7) Phenol-d6	6.42	99	488364	22.50	ng	-0.02
23) Nitrobenzene-d5	7.35	82	281734	14.07	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	87560	17.31	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	569504	10.81	ng	-0.01
79) Terphenyl-d14	12.90	244	425717	15.14	ng	0.00
Target Compounds						
9) Benzaldehyde	6.42	77	988	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.35	70	37548	2.582 ng	#	1
25) Isophorone	7.35	82	279406	8.191 ng	#	77
46) 1,1'-Biphenyl	9.25	154	1610	Below Cal		64
50) Dimethylphthalate	9.55	163	87831	2.085 ng		84
51) 2,6-Dinitrotoluene	9.83	165	73792	7.932 ng	#	96
57) 2,4-Dinitrotoluene	9.83	165	73792	6.434 ng	#	30
75) Fluoranthene	12.52	202	112482	2.693 ng		25
78) Pyrene	12.75	202	110977	2.302 ng		97
88) Benzo(b)fluoranthene	14.97	252	98968	2.958 ng	#	92
89) Benzo(k)fluoranthene	14.97	252	98968	3.146 ng	#	91

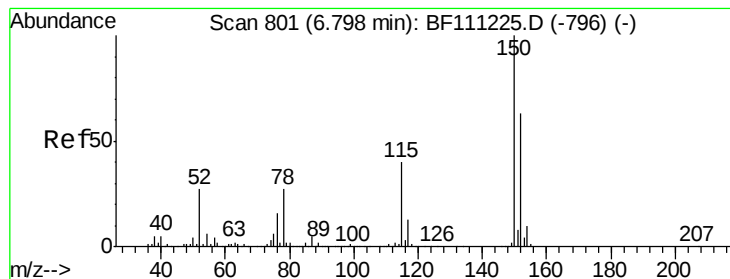
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF111299.D

Acq: 12 Dec 2018 2:00

Instrument :

BNA_F

ClientSampleId :

CL-01-121018-B

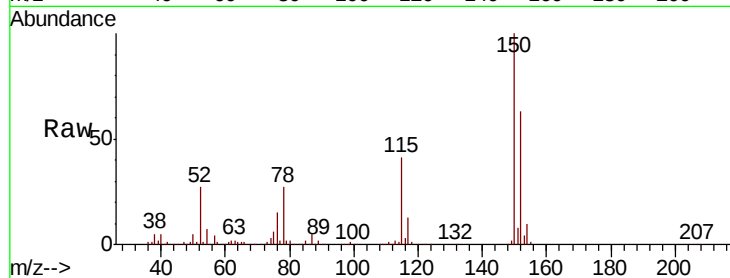
Tgt Ion:152 Resp: 275849

Ion Ratio Lower Upper

152 100

150 158.9 126.6 189.8

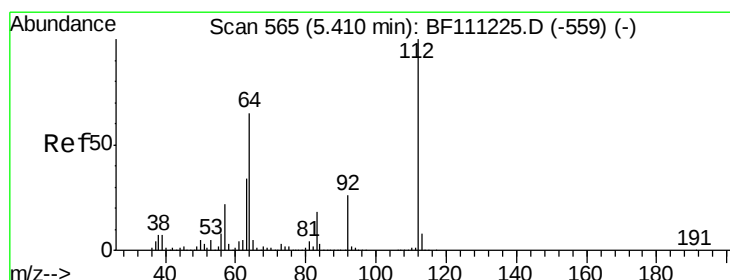
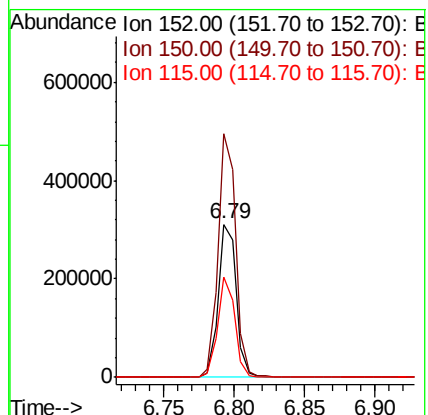
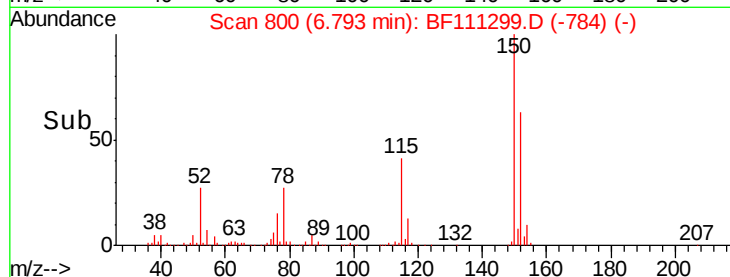
115 65.7 50.7 76.1



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: 20.773 ng

RT: 5.40 min Scan# 563

Delta R.T. -0.01 min

Lab File: BF111299.D

Acq: 12 Dec 2018 2:00

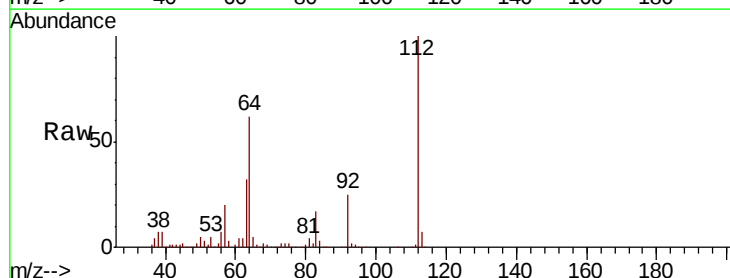
Tgt Ion:112 Resp: 362883

Ion Ratio Lower Upper

112 100

64 62.4 51.8 77.6

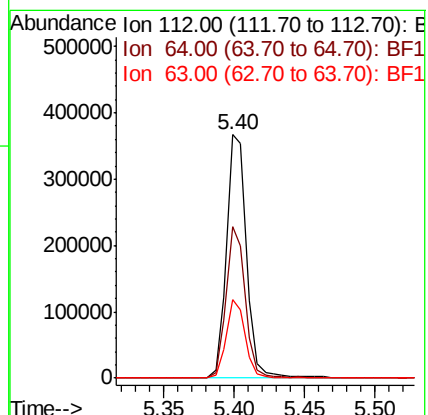
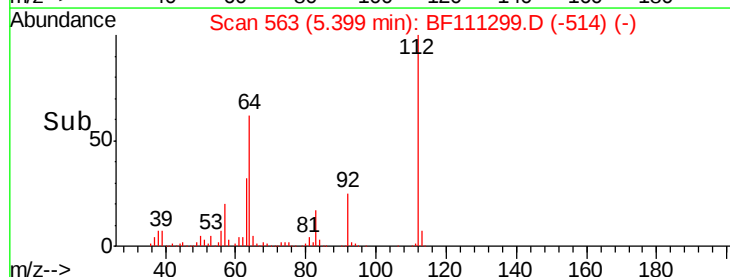
63 32.1 26.8 40.2

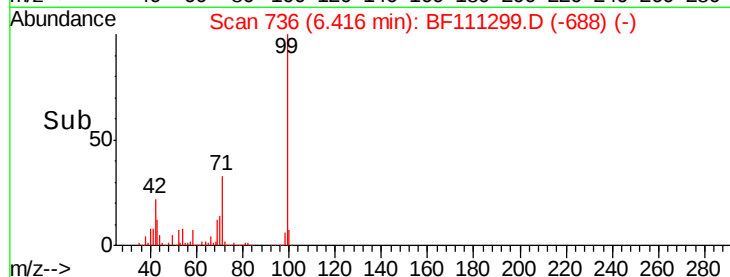
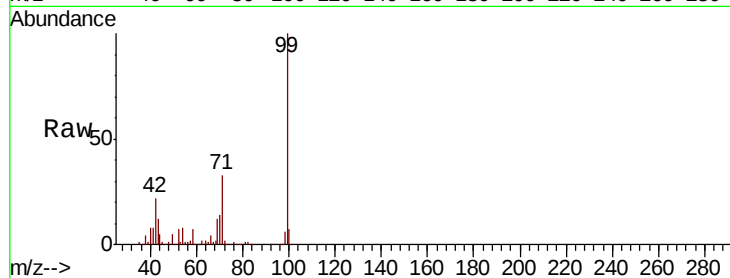
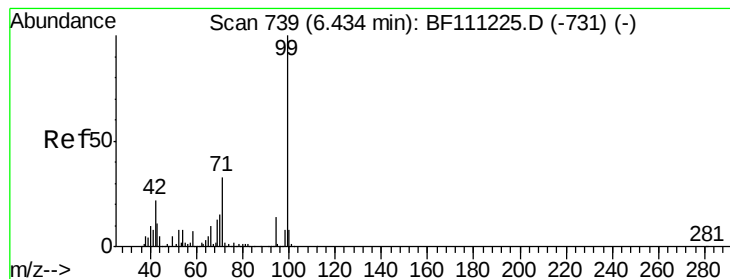


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 22.495 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.02 min

Lab File: BF111299.D

Acq: 12 Dec 2018 2:00

Instrument :

BNA_F

ClientSampleId :

CL-01-121018-B

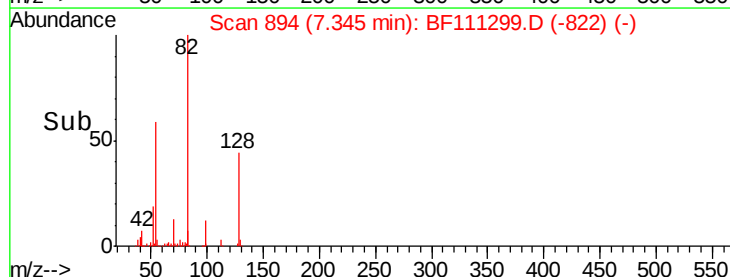
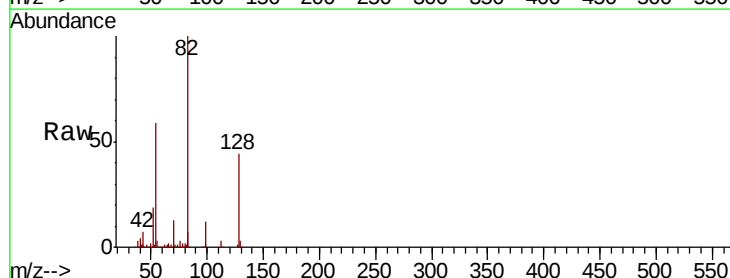
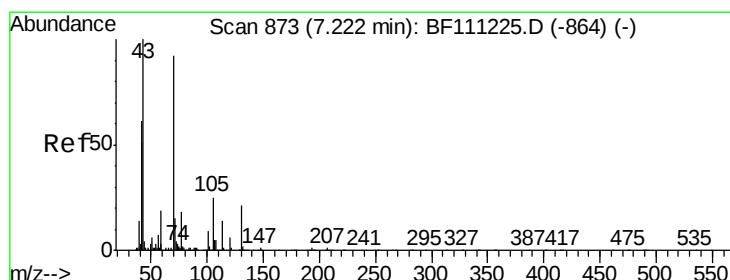
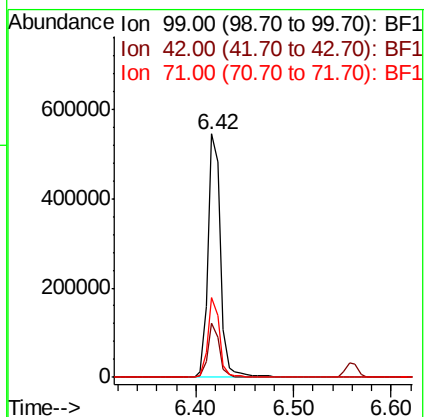
Tgt Ion: 99 Resp: 488364

Ion Ratio Lower Upper

99 100

42 22.0 17.4 26.0

71 32.5 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 2.582 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.12 min

Lab File: BF111299.D

Acq: 12 Dec 2018 2:00

Tgt Ion: 70 Resp: 37548

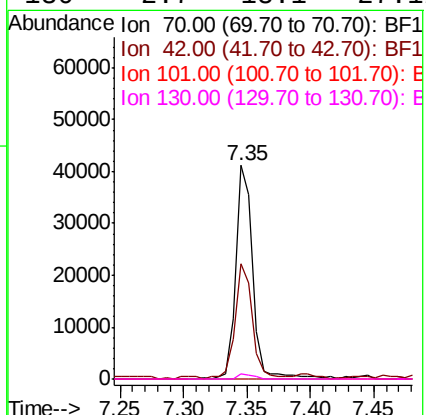
Ion Ratio Lower Upper

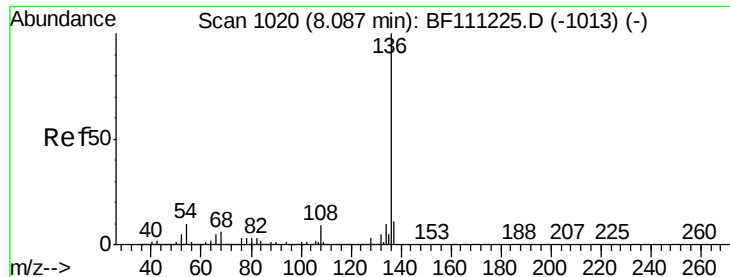
70 100

42 53.9 53.2 79.8

101 0.0 8.2 12.4#

130 2.7 18.1 27.1#

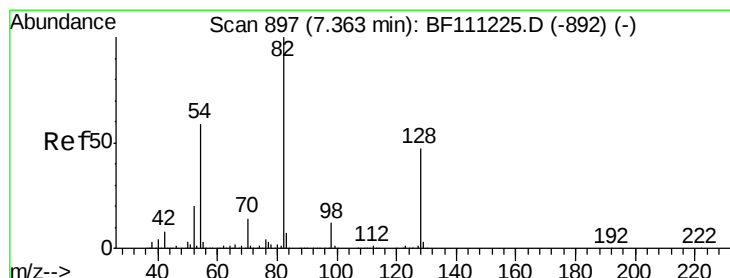
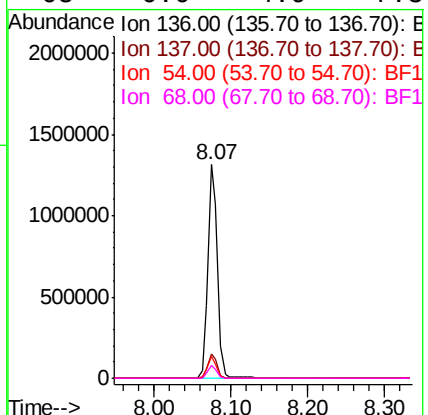
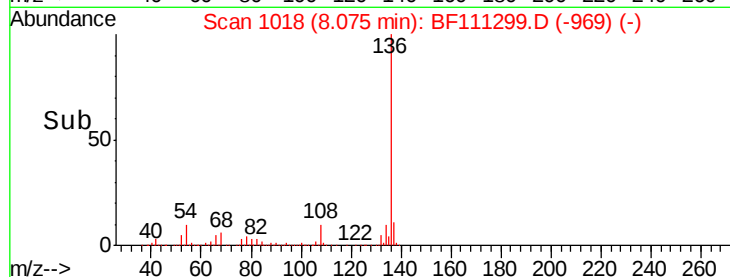
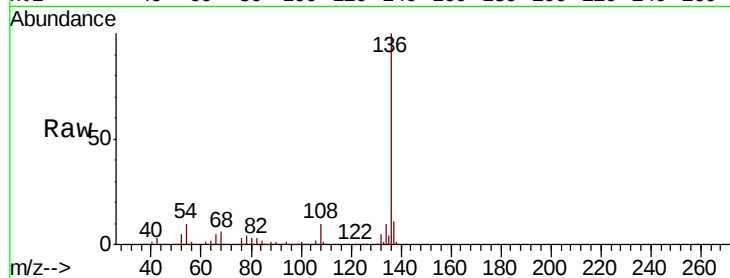




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111299.D
Acq: 12 Dec 2018 2:00

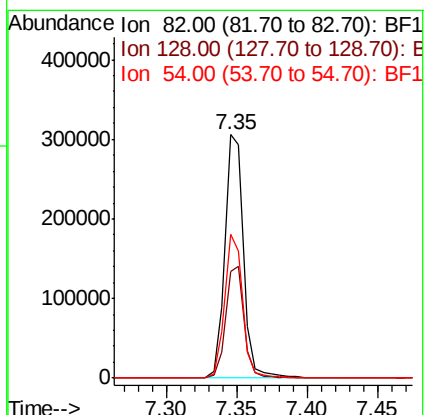
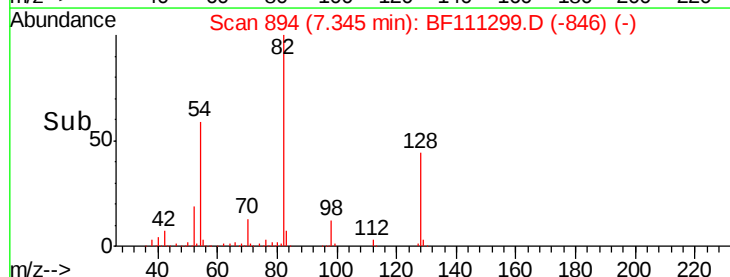
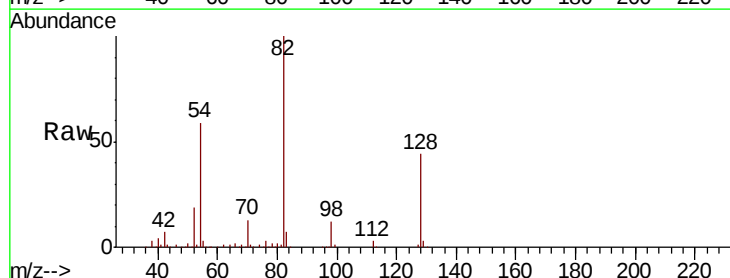
Instrument :
BNA_F
ClientSampleId :
CL-01-121018-B

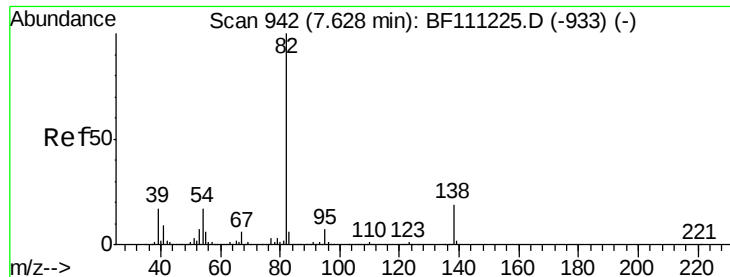
Tgt Ion:	136	Resp:	1123369
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	10.3	7.7	11.5
68	6.0	4.9	7.3



#23
Nitrobenzene-d5
Concen: 14.067 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.02 min
Lab File: BF111299.D
Acq: 12 Dec 2018 2:00

Tgt Ion:	82	Resp:	281734
Ion	Ratio	Lower	Upper
82	100		
128	44.0	37.4	56.2
54	59.3	47.6	71.4

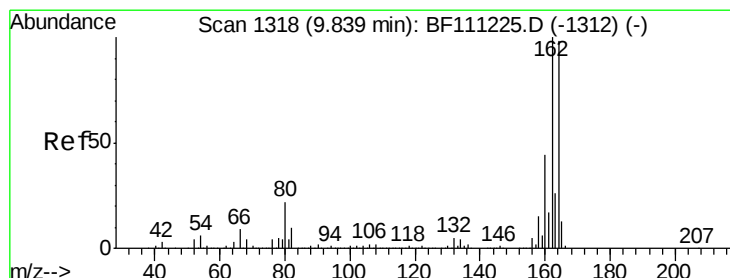
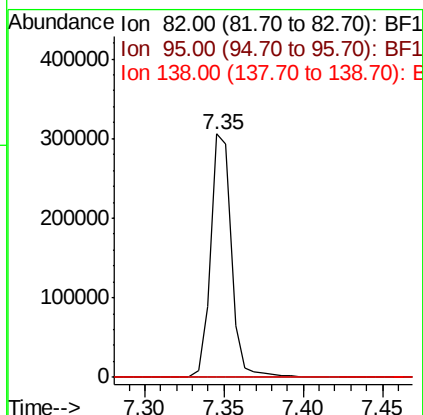
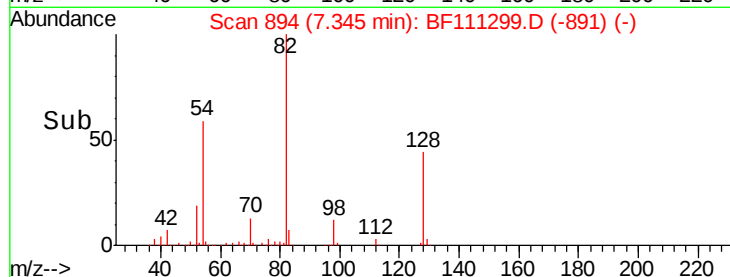
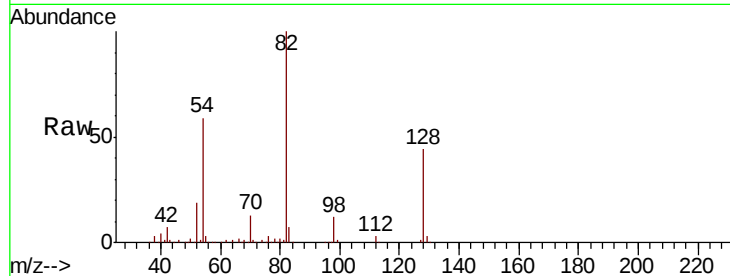




#25
Isophorone
Concen: 8.191 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.28 min
Lab File: BF111299.D
Acq: 12 Dec 2018 2:00

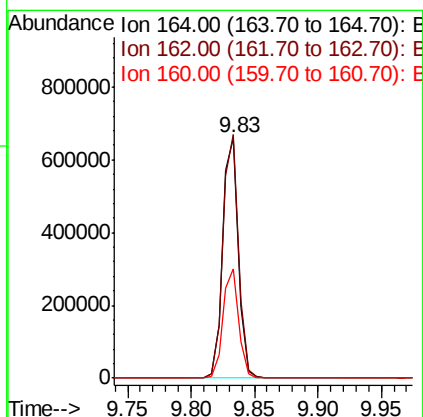
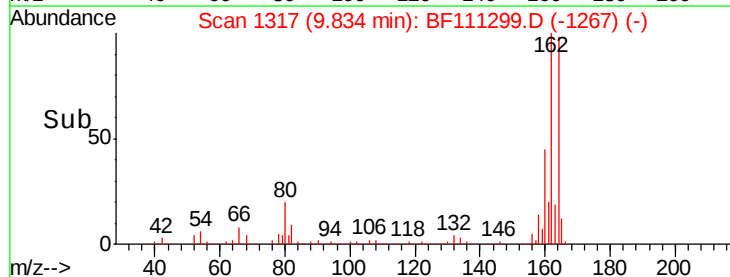
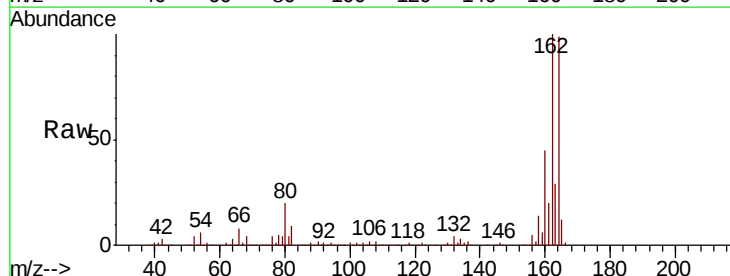
Instrument :
BNA_F
ClientSampleId :
CL-01-121018-B

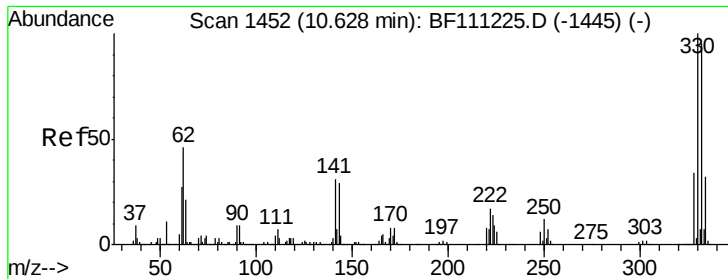
Tgt Ion: 82 Resp: 279406
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.2#
138 0.0 15.1 22.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF111299.D
Acq: 12 Dec 2018 2:00

Tgt Ion: 164 Resp: 570914
Ion Ratio Lower Upper
164 100
162 101.4 81.4 122.0
160 45.4 35.7 53.5

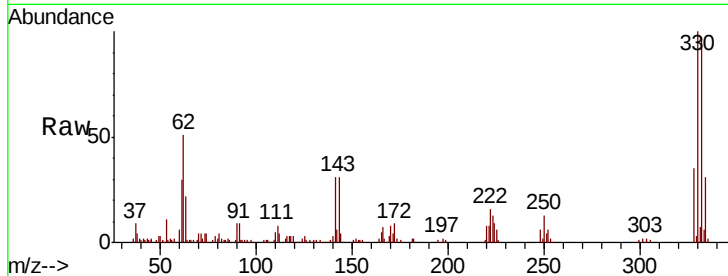




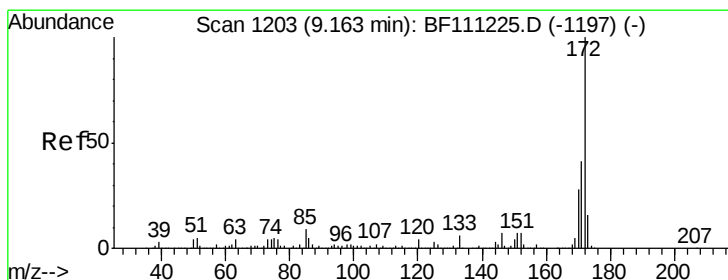
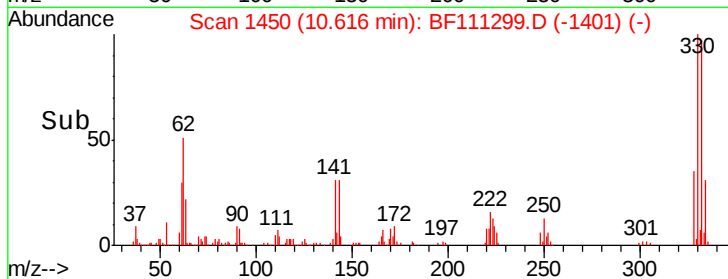
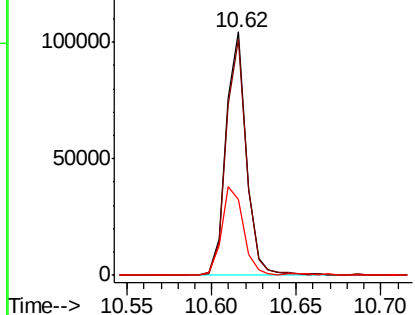
#42
 2,4,6-Tribromophenol
 Concen: 17.314 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111299.D
 Acq: 12 Dec 2018 2:00

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-121018-B

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.0	114.0
141	40.0	31.0	46.6

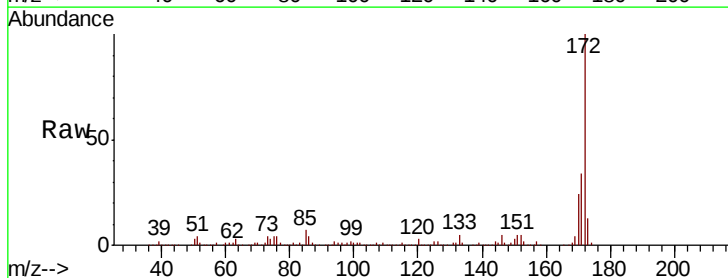


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

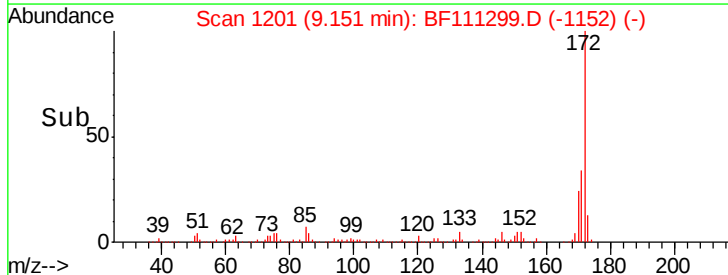
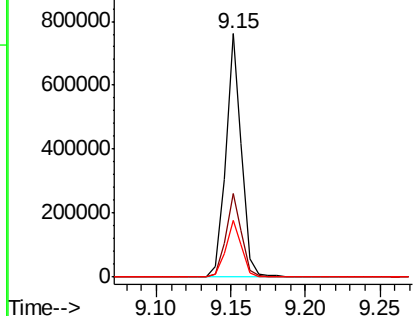


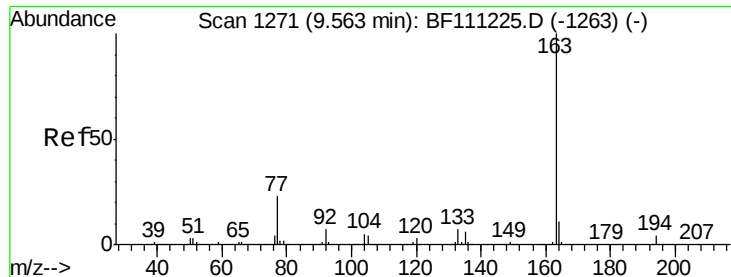
#45
 2-Fluorobiphenyl
 Concen: 10.815 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111299.D
 Acq: 12 Dec 2018 2:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	33.0	49.4
170	23.5	22.3	33.5



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

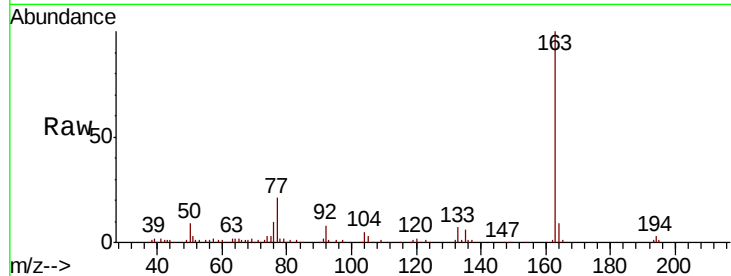




#50
Dimethylphthalate
Concen: 2.085 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111299.D
Acq: 12 Dec 2018 2:00

Instrument :
BNA_F
ClientSampleId :
CL-01-121018-B

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.6
164	9.1	8.9	13.3

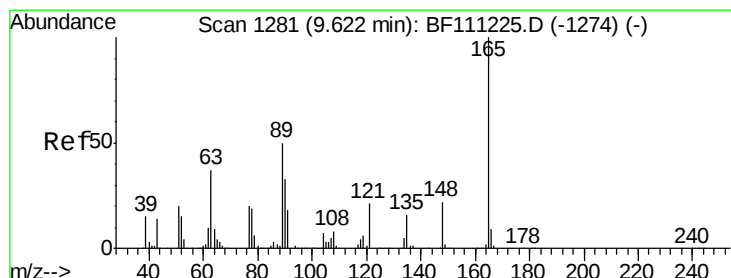
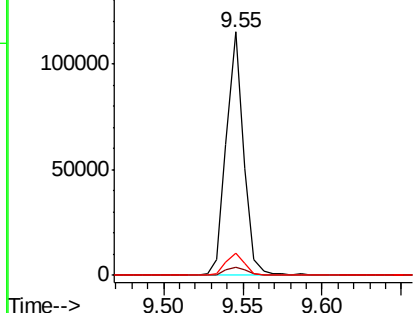
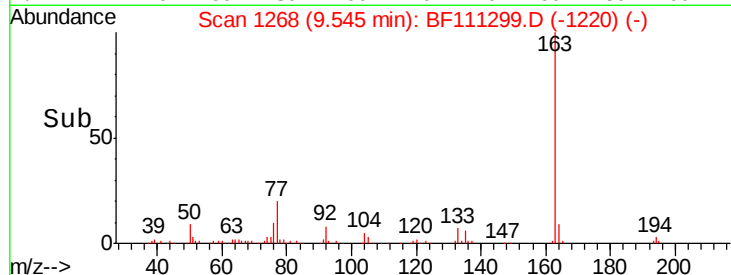


Abundance

Ion 163.00 (162.70 to 163.70): E

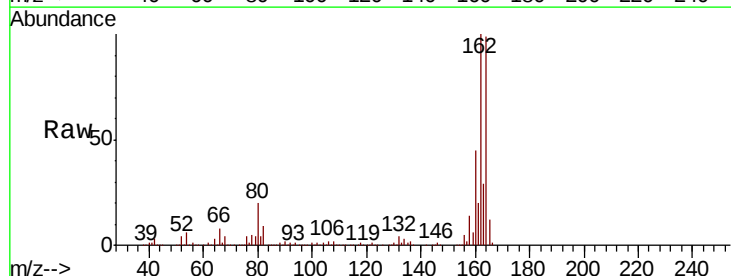
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 7.932 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.21 min
Lab File: BF111299.D
Acq: 12 Dec 2018 2:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	40.5	60.7#
89	1.9	40.0	60.0#

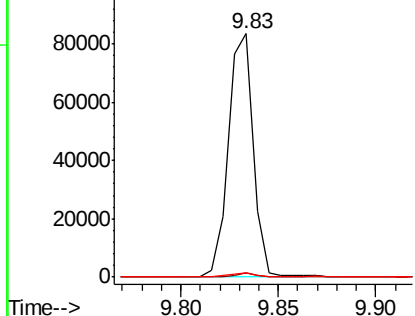
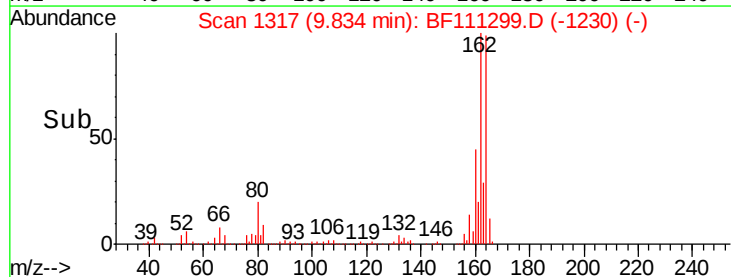


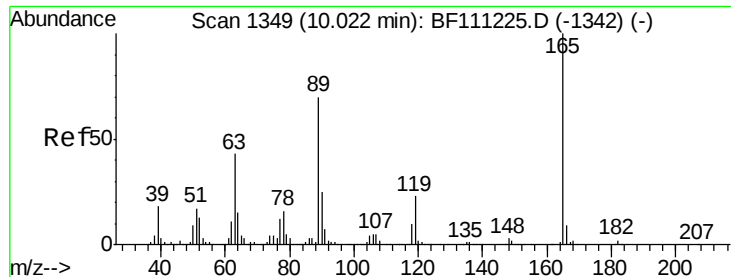
Abundance

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

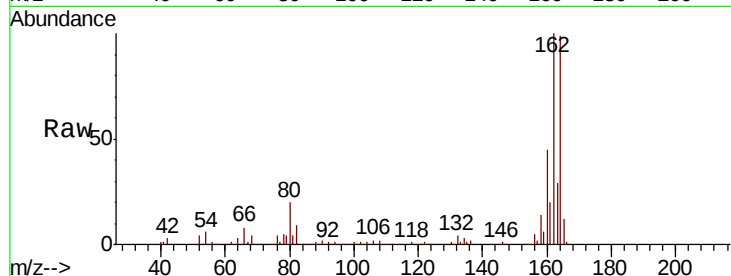




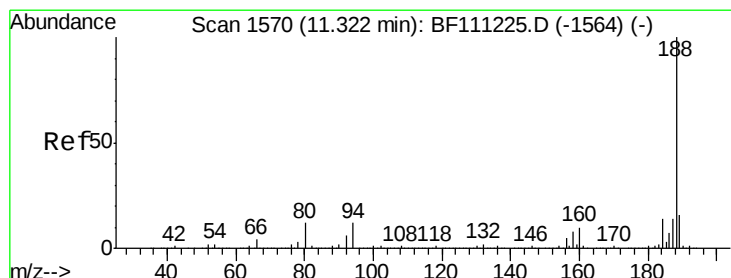
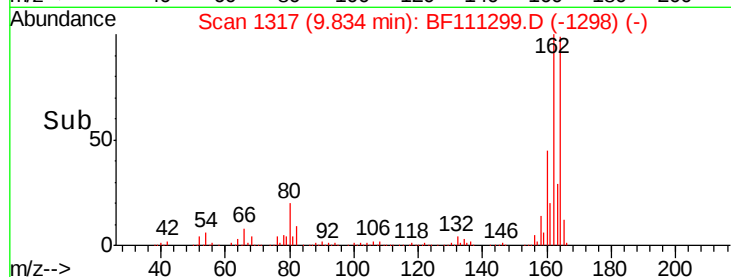
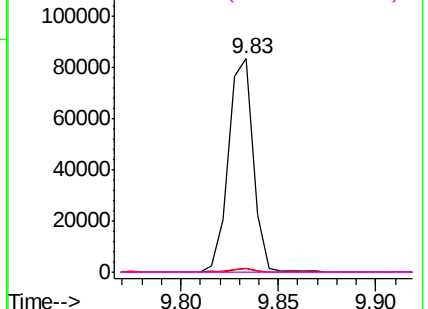
#57
 2,4-Dinitrotoluene
 Concen: 6.434 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.19 min
 Lab File: BF111299.D
 Acq: 12 Dec 2018 2:00

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-121018-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	34.6	52.0#
89	1.9	56.2	84.4#
182	0.0	1.8	2.6#

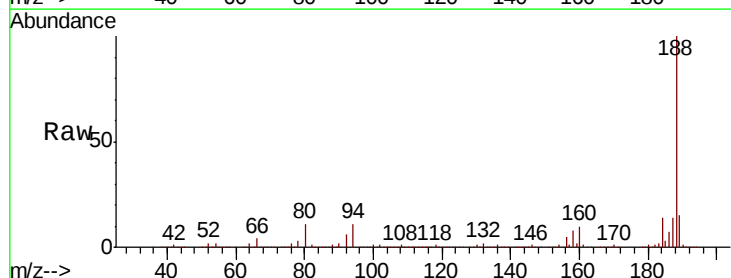


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

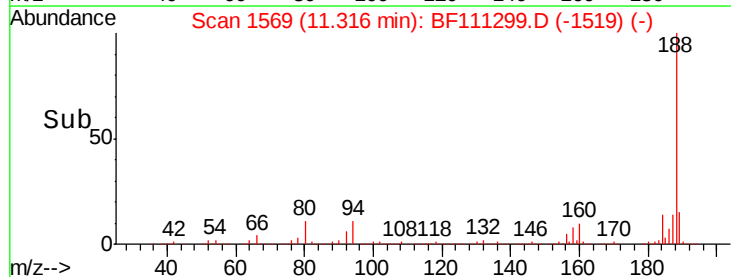
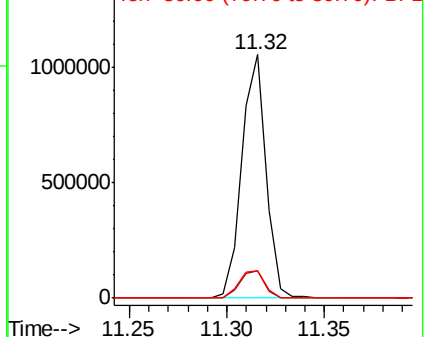


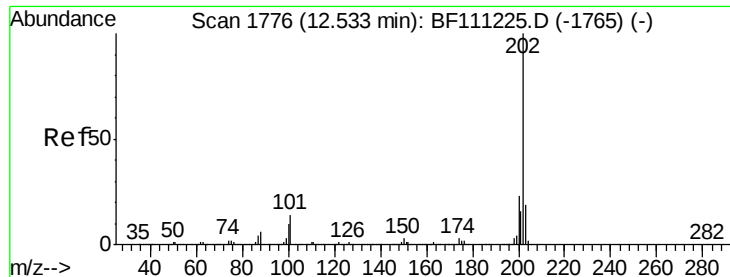
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF111299.D
 Acq: 12 Dec 2018 2:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.4	9.6	14.4
80	11.2	9.8	14.6



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: 2.693 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111299.D

Acq: 12 Dec 2018 2:00

Instrument :

BNA_F

ClientSampleId :

CL-01-121018-B

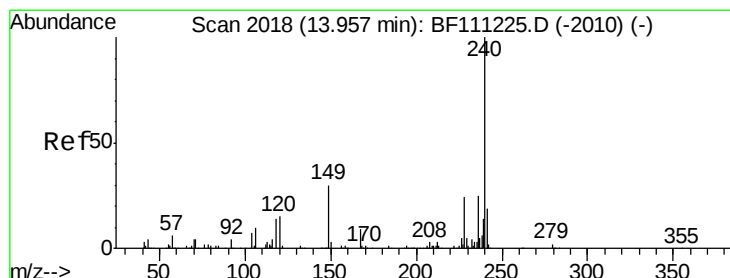
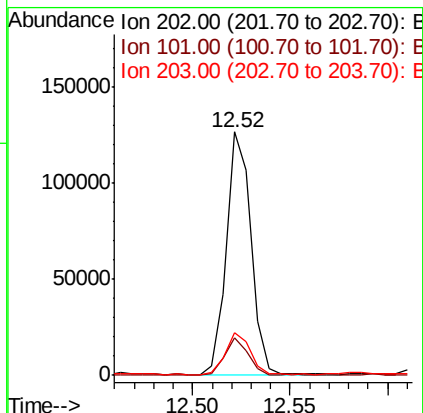
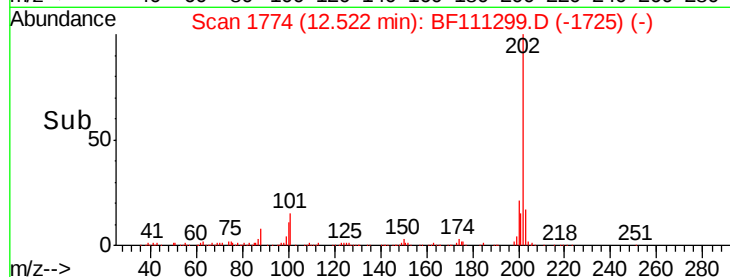
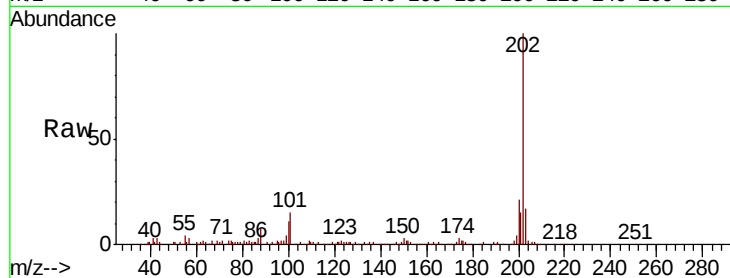
Tgt Ion:202 Resp: 112482

Ion Ratio Lower Upper

202 100

101 15.2 0.0 33.8

203 17.5 0.0 38.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF111299.D

Acq: 12 Dec 2018 2:00

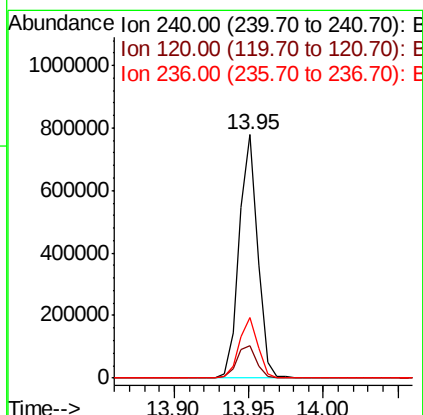
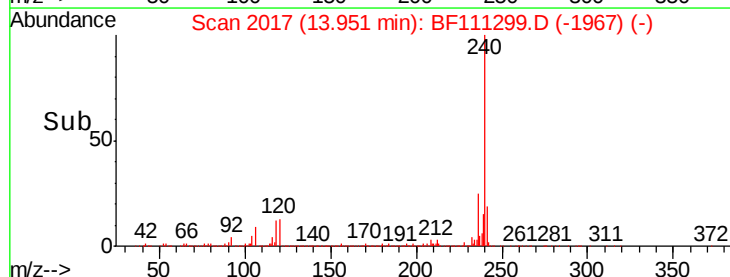
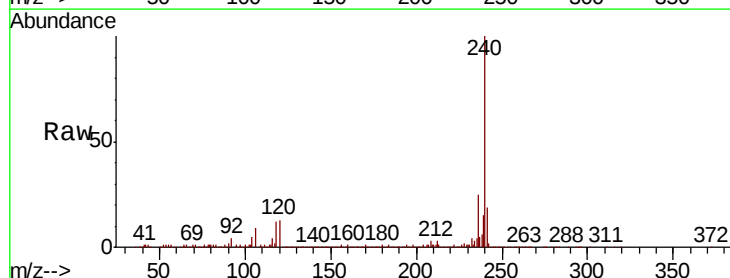
Tgt Ion:240 Resp: 674626

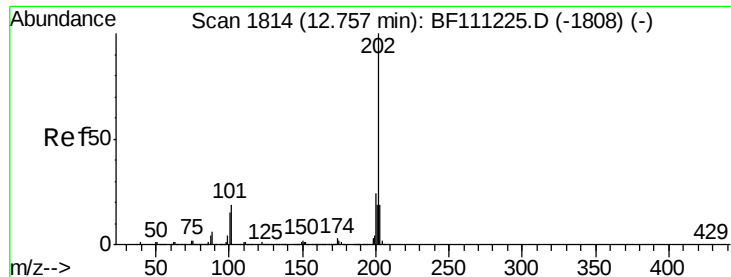
Ion Ratio Lower Upper

240 100

120 13.3 12.2 18.2

236 24.9 20.2 30.2

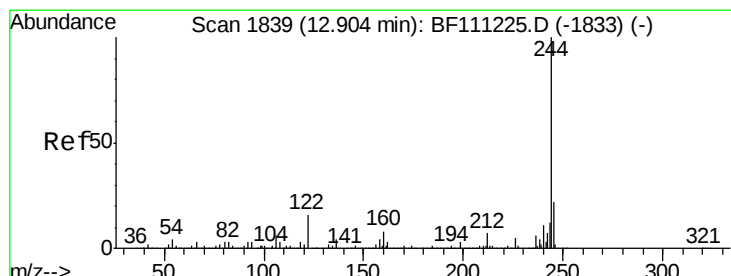
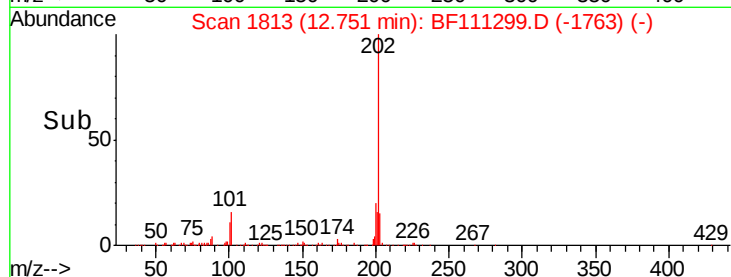
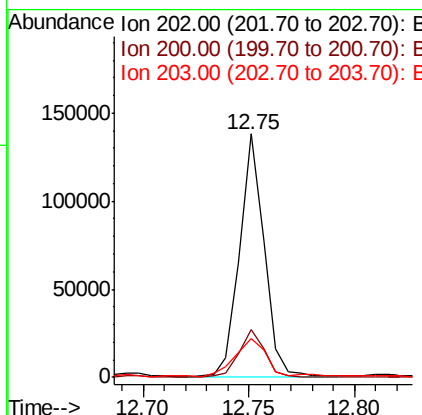
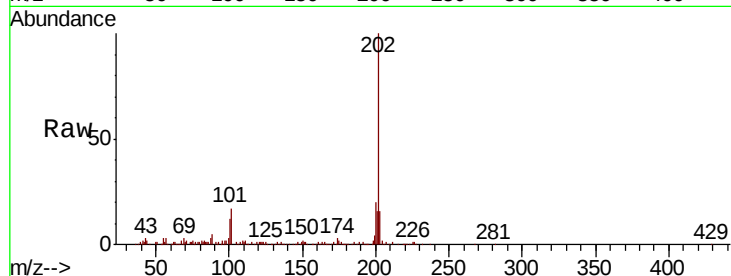




#78
 Pyrene
 Concen: 2.302 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. -0.01 min
 Lab File: BF111299.D
 Acq: 12 Dec 2018 2:00

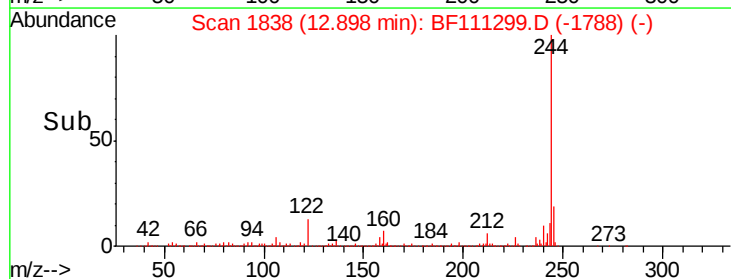
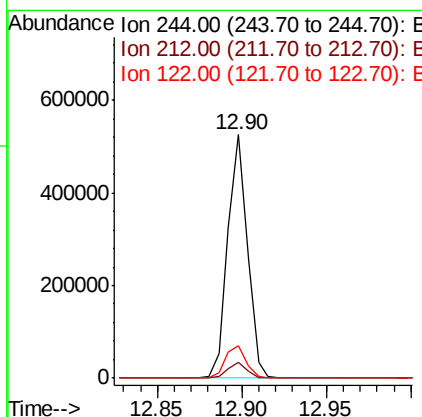
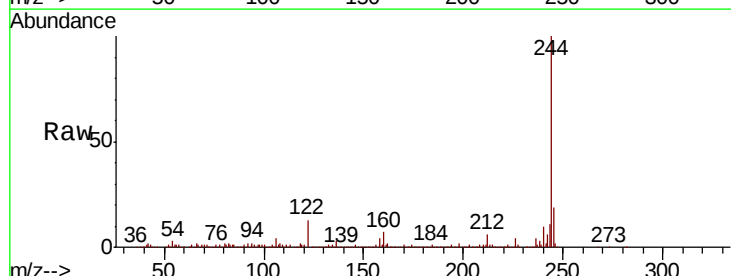
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-121018-B

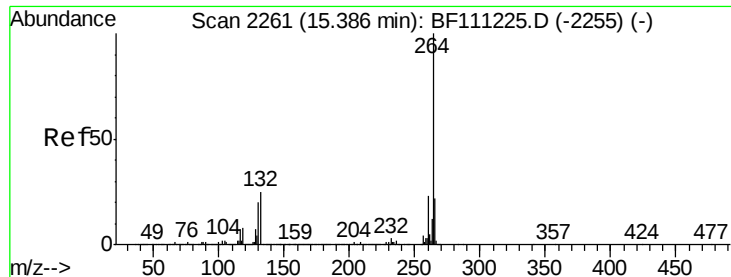
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	19.0	28.4
203	16.0	15.2	22.8



#79
 Terphenyl-d14
 Concen: 15.136 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF111299.D
 Acq: 12 Dec 2018 2:00

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.7	8.5
122	13.1	13.1	19.7#





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111299.D

Acq: 12 Dec 2018 2:00

Instrument :

BNA_F

ClientSampleId :

CL-01-121018-B

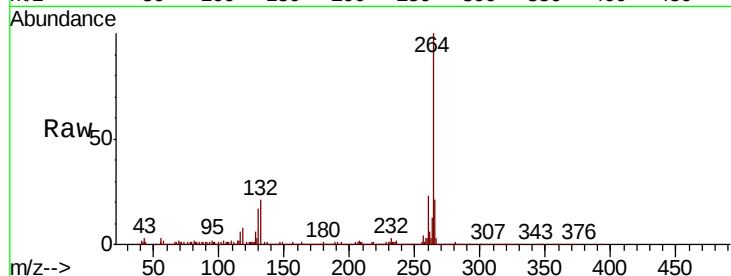
Tgt Ion:264 Resp: 604939

Ion Ratio Lower Upper

264 100

260 23.3 18.3 27.5

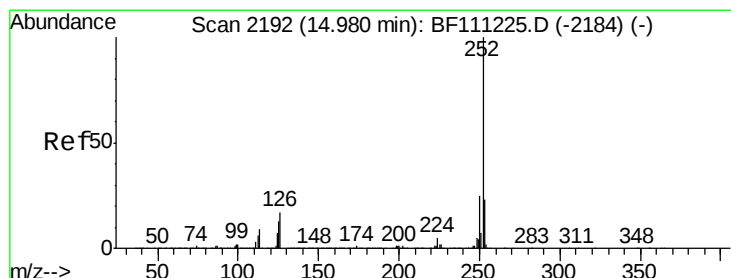
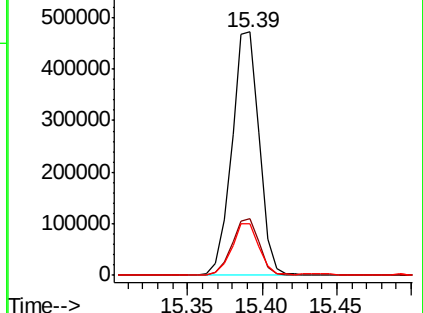
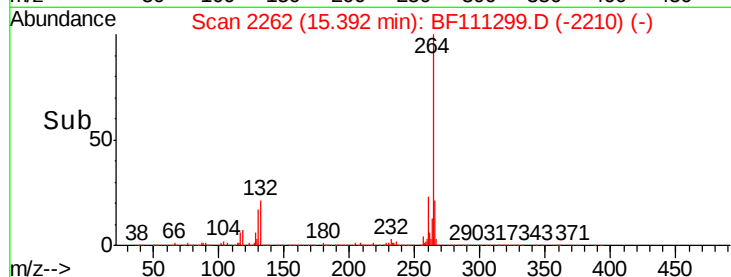
265 21.4 17.7 26.5



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



#88

Benzo(b)fluoranthene

Concen: 2.958 ng

RT: 14.97 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BF111299.D

Acq: 12 Dec 2018 2:00

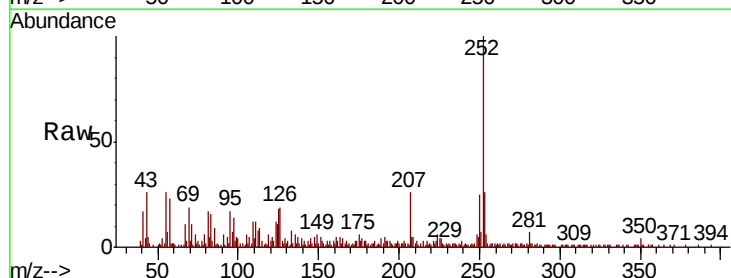
Tgt Ion:252 Resp: 98968

Ion Ratio Lower Upper

252 100

253 25.6 18.2 27.2

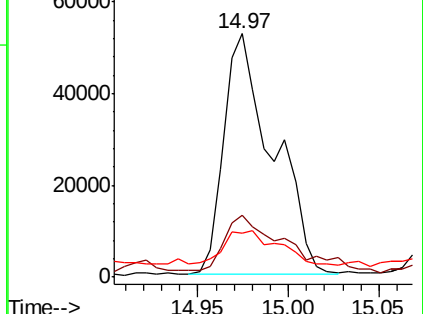
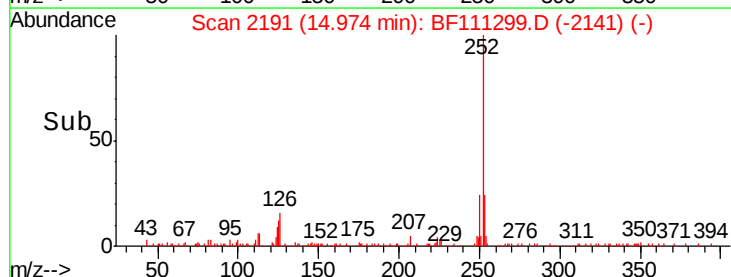
125 18.2 10.4 15.6#

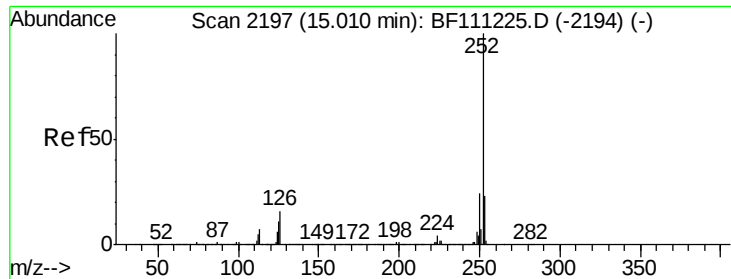


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89
 Benzo(k)fluoranthene
 Concen: 3.146 ng
 RT: 14.97 min Scan# 2191
 Delta R.T. -0.04 min
 Lab File: BF111299.D
 Acq: 12 Dec 2018 2:00

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-121018-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.1	27.1
125	18.2	9.8	14.8

