

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
 Data File : BF115576.D
 Acq On : 16 Jul 2019 00:06
 Operator : HP/JU
 Sample : K3620-05 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 16 01:46:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	184162	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	672949	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	304669	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	500683	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	354505	20.00	ng	-0.02
87) Perylene-d12	15.51	264	360384	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	484217	43.01	ng	0.00
7) Phenol-d6	6.50	99	648680	45.41	ng	-0.01
23) Nitrobenzene-d5	7.43	82	386645	33.41	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	140227	39.43	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	656706	37.73	ng	-0.01
79) Terphenyl-d14	12.98	244	510959	26.59	ng	-0.02

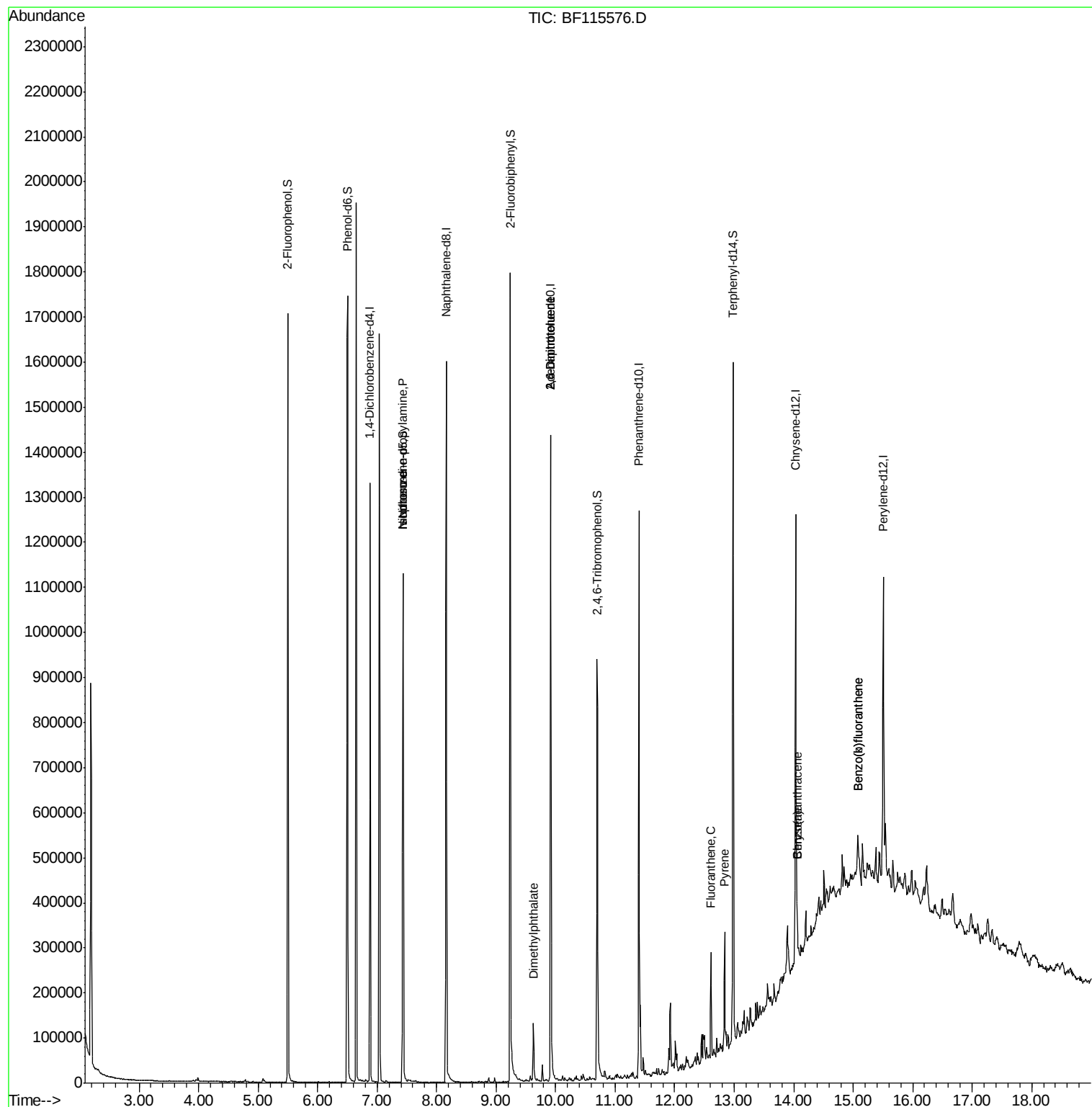
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	50407	5.410	ng	# 80
25) Isophorone	7.43	82	378438	16.341	ng	# 64
50) Dimethylphthalate	9.63	163	59578	2.599	ng	98
51) 2,6-Dinitrotoluene	9.92	165	38283	7.349	ng	# 27
57) 2,4-Dinitrotoluene	9.92	165	38798	5.749	ng	# 24
75) Fluoranthene	12.61	202	90156	3.324	ng	100
78) Pyrene	12.84	202	102752	3.421	ng	96
81) Benzo(a)anthracene	14.06	228	53091	2.273	ng	96
83) Chrysene	14.06	228	53091	2.264	ng	96
88) Benzo(b)fluoranthene	15.07	252	72431	3.121	ng	# 85
89) Benzo(k)fluoranthene	15.07	252	72431	3.501	ng	# 87

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
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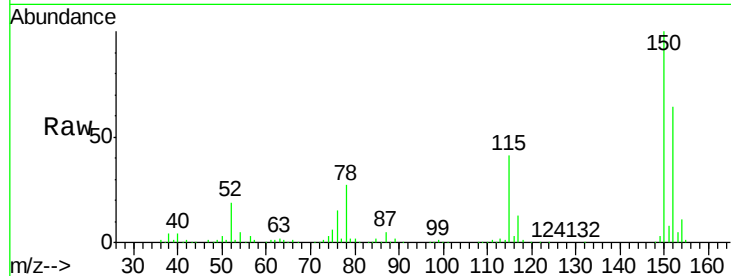


#1

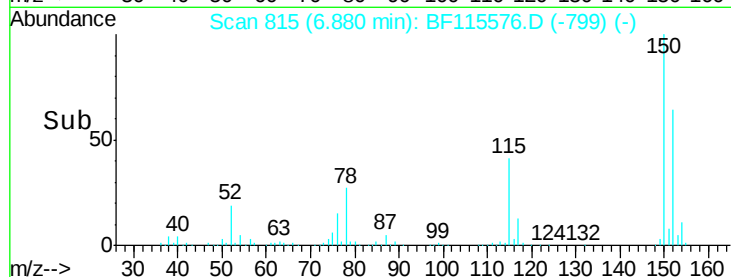
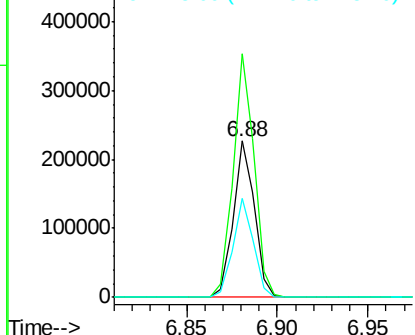
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115576.D
Acq: 16 Jul 2019 00:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 184162
Ion Ratio Lower Upper
152 100
150 155.7 129.7 194.5
115 63.2 48.2 72.4



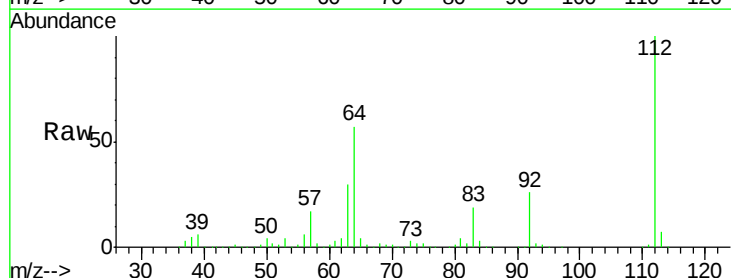
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



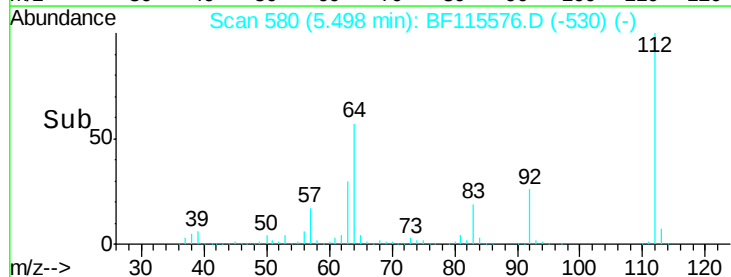
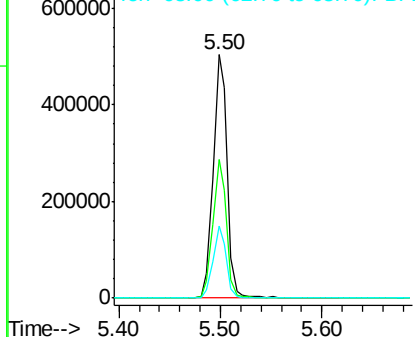
#5

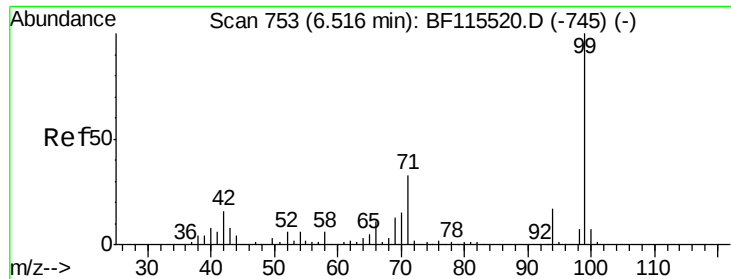
2-Fluorophenol
Concen: 43.008 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115576.D
Acq: 16 Jul 2019 00:06

Tgt Ion:112 Resp: 484217
Ion Ratio Lower Upper
112 100
64 57.2 46.8 70.2
63 29.7 24.1 36.1



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: 45.406 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115576.D

Acq: 16 Jul 2019 00:06

Instrument :

BNA_F

ClientSampleId :

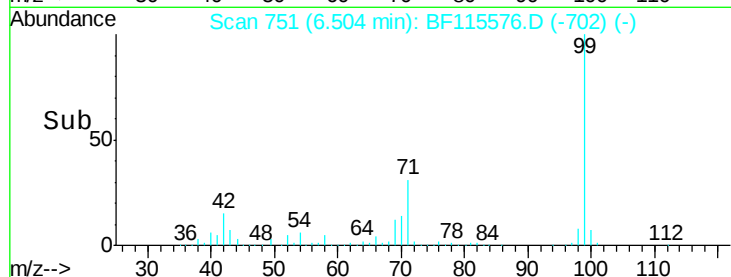
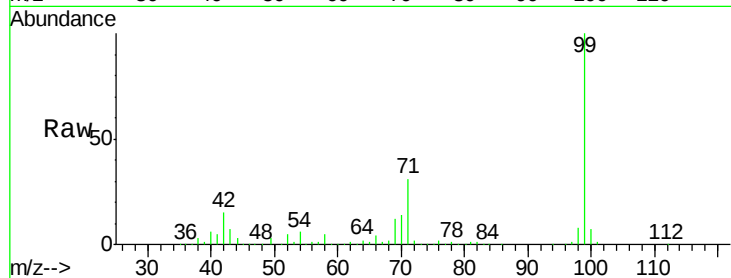
Tot Ion: 99 Resp: 648680

Ion Ratio Lower Upper

99 100

42 14.6 13.6 20.4

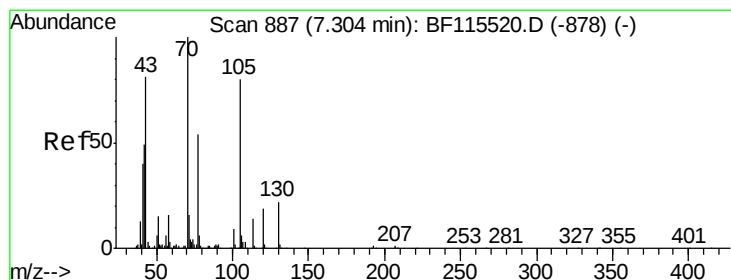
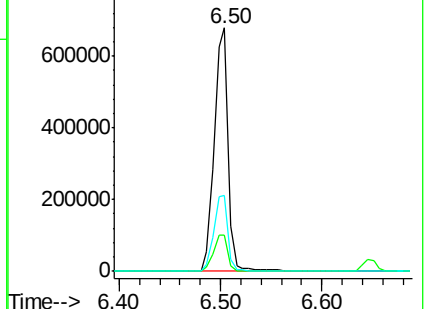
71 31.0 28.5 42.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.410 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.13 min

Lab File: BF115576.D

Acq: 16 Jul 2019 00:06

Tgt Ion: 70 Resp: 50407

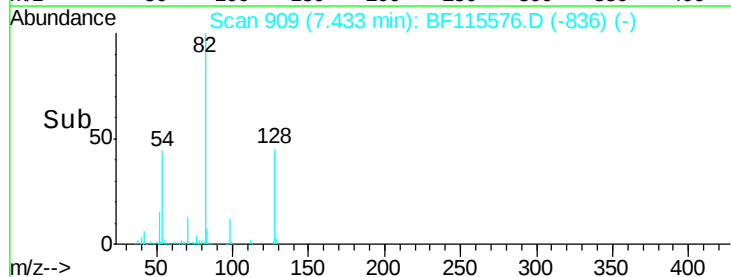
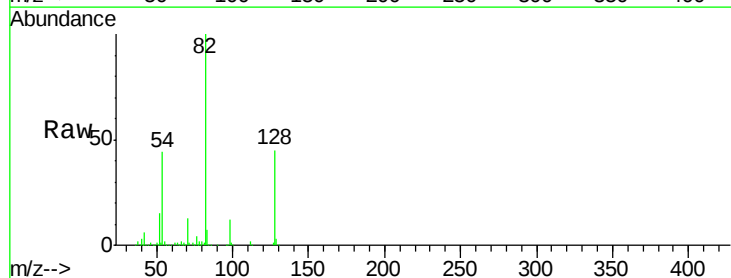
Ion Ratio Lower Upper

70 100

42 43.9 39.6 59.4

101 0.0 8.1 12.1#

130 2.5 18.2 27.2#

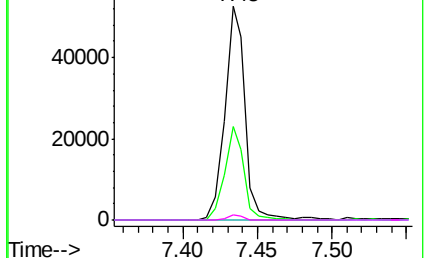


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

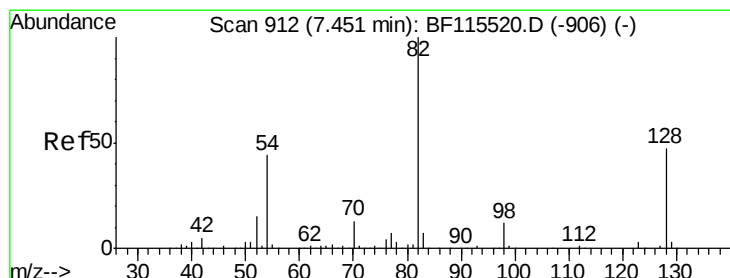
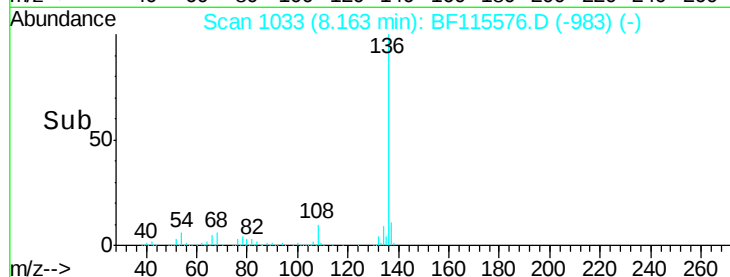
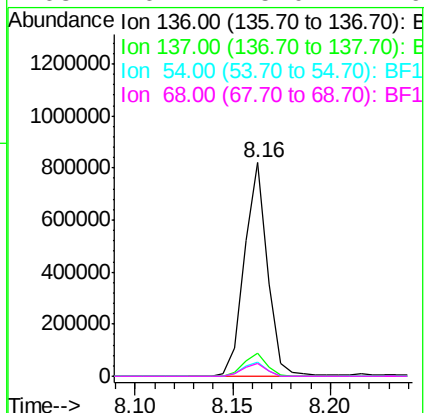
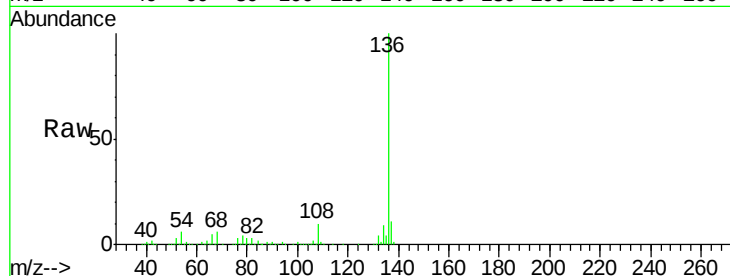




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115576.D
Acq: 16 Jul 2019 00:06

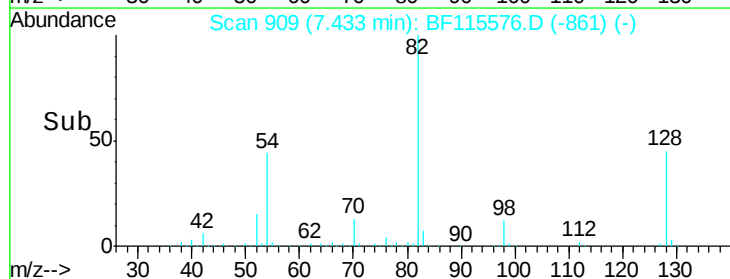
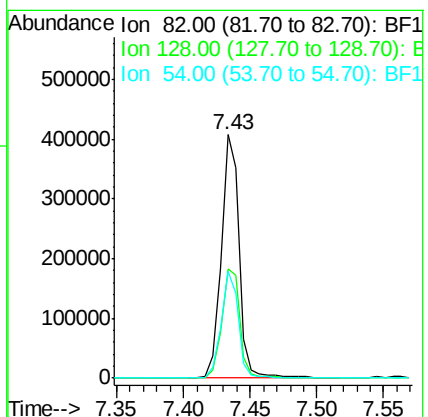
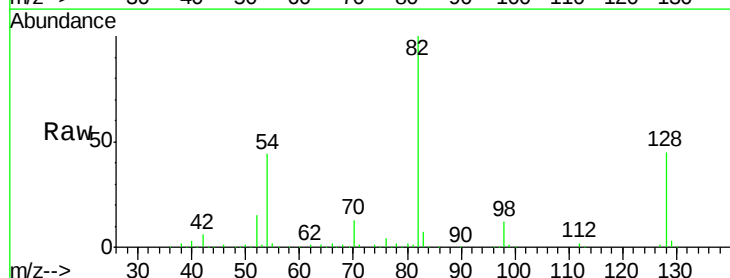
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	672949	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	9.0	13.4	
54 6.4	5.6	8.4	
68 6.1	5.0	7.6	



#23
Nitrobenzene-d5
Concen: 33.408 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF115576.D
Acq: 16 Jul 2019 00:06

Tgt Ion: 82	Resp: 386645
Ion Ratio	Lower Upper
82 100	
128 44.8	38.6 57.8
54 43.7	35.6 53.4





#25

Isophorone

Concen: 16.341 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.28 min

Lab File: BF115576.D

Acq: 16 Jul 2019 00:06

Instrument :

BNA_F

ClientSampleId :

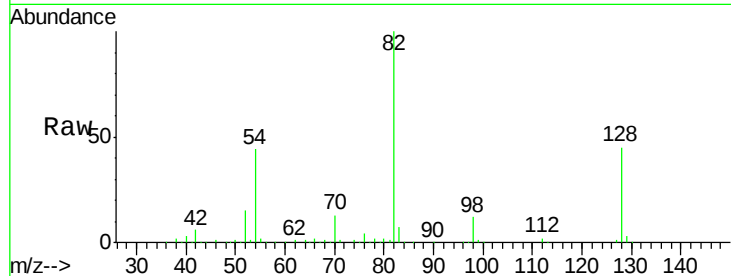
Tot Ion: 82 Resp: 378438

Ion Ratio Lower Upper

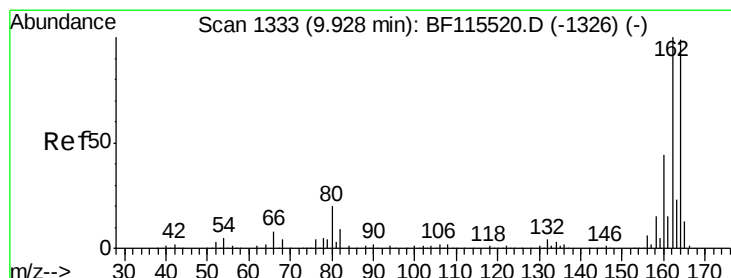
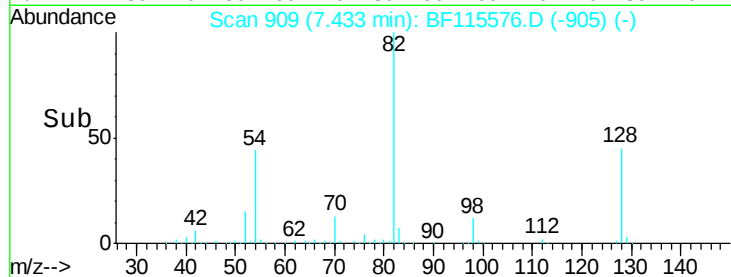
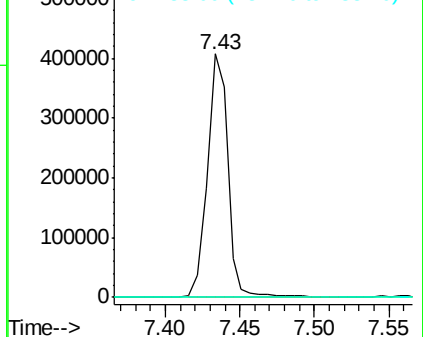
82 100

95 0.0 5.5 8.3#

138 0.0 14.9 22.3#



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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF115576.D

Acq: 16 Jul 2019 00:06

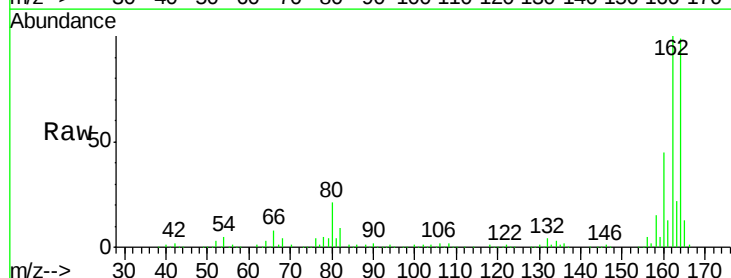
Tgt Ion: 164 Resp: 304669

Ion Ratio Lower Upper

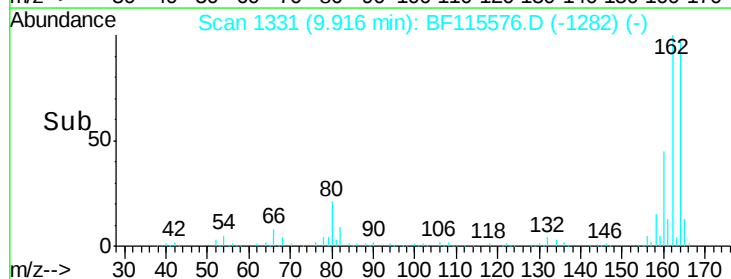
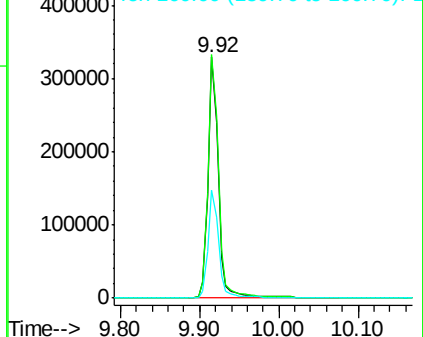
164 100

162 101.3 82.9 124.3

160 45.1 36.8 55.2



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

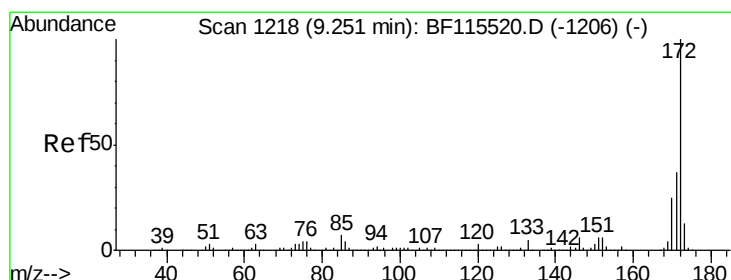
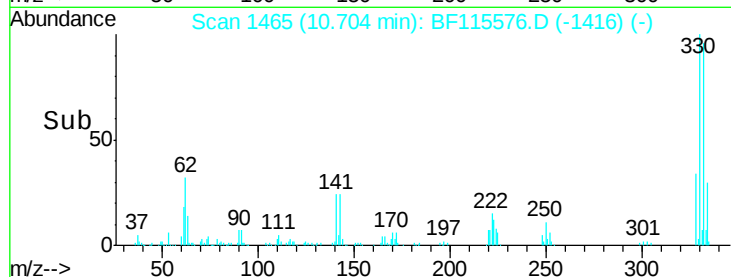
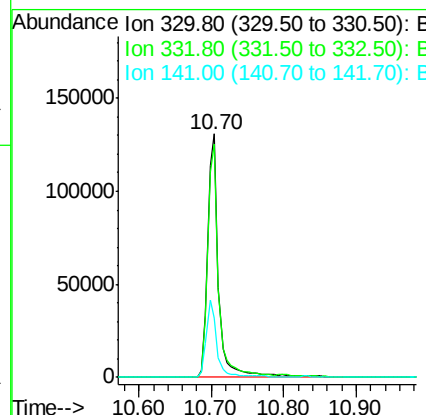
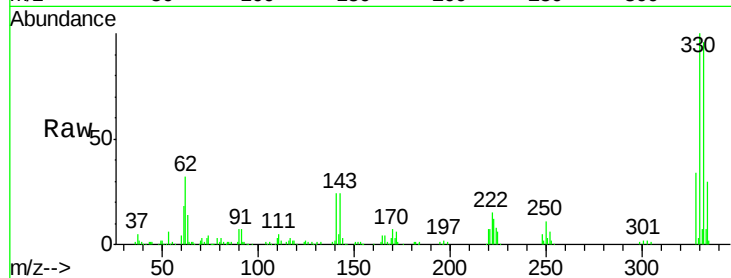




#42
 2,4,6-Tribromophenol
 Concen: 39.431 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF115576.D
 Acq: 16 Jul 2019 00:06

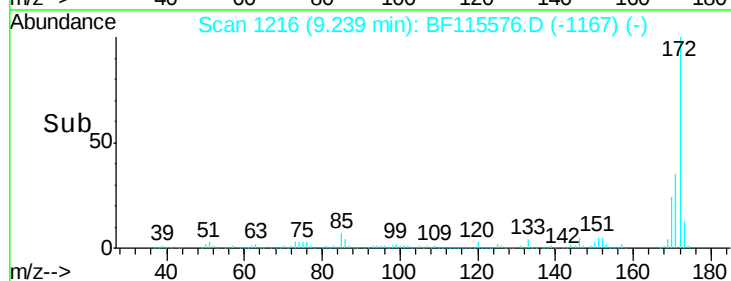
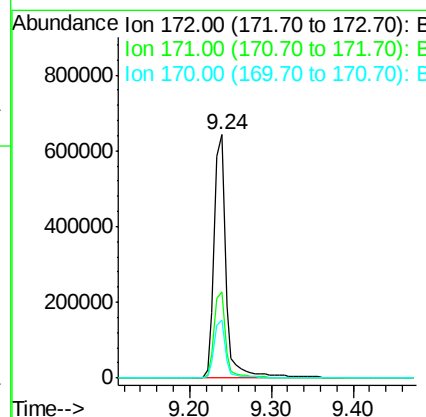
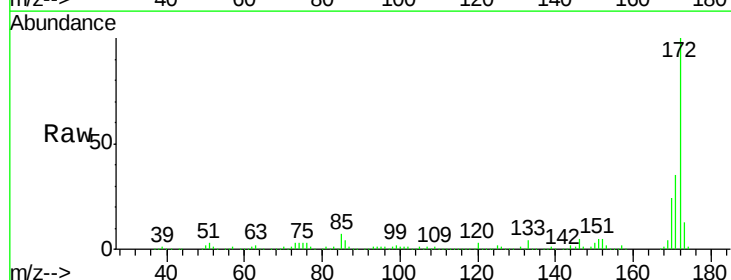
Instrument :
 BNA_F
 ClientSampleId :

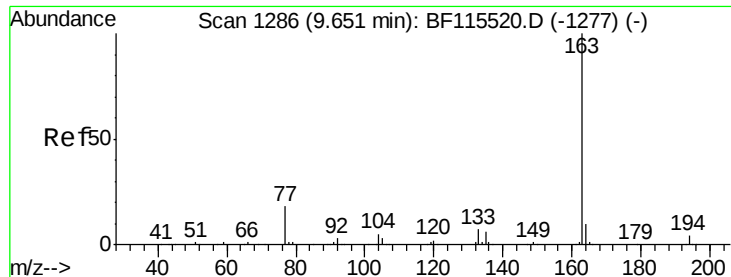
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.4	116.2
141	31.1	22.4	33.6



#45
 2-Fluorobiphenyl
 Concen: 37.727 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF115576.D
 Acq: 16 Jul 2019 00:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.6	46.0
170	23.7	20.5	30.7

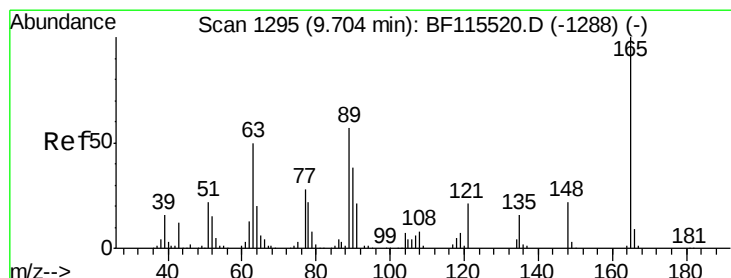
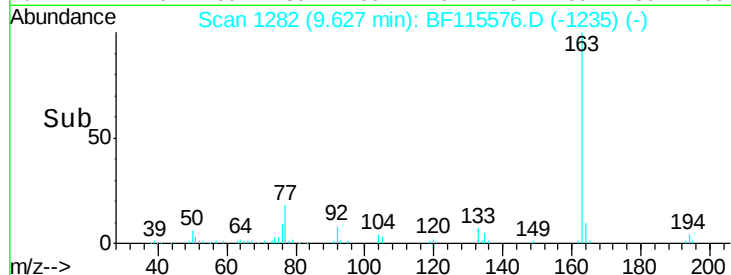
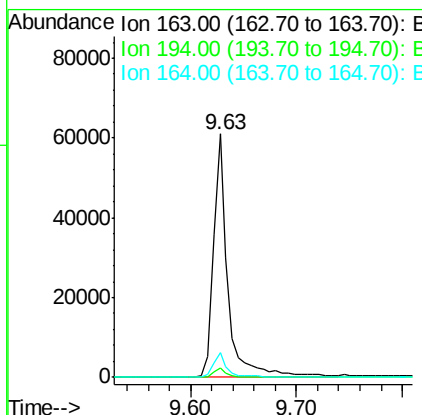
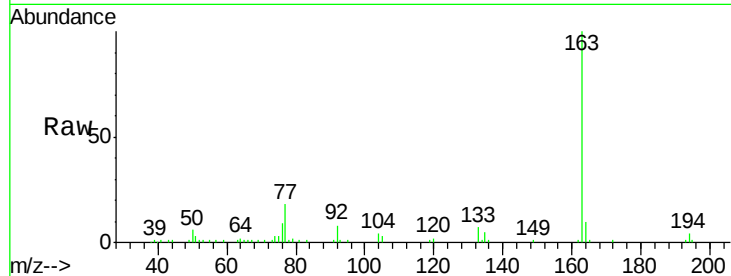




#50
Dimethylphthalate
Concen: 2.599 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF115576.D
Acq: 16 Jul 2019 00:06

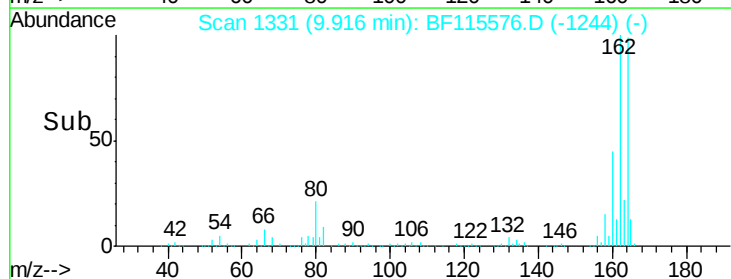
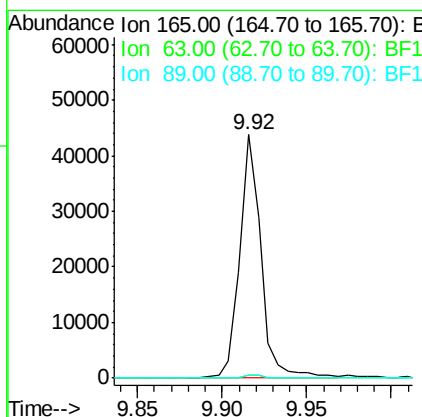
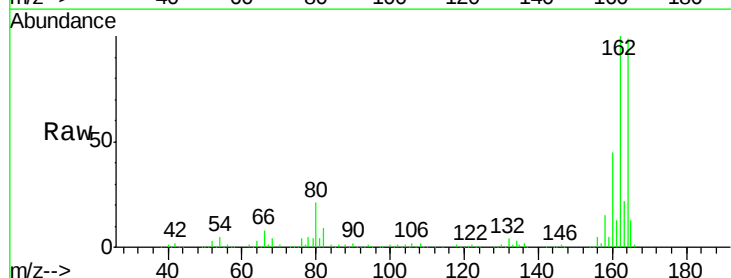
Instrument :
BNA_F
ClientSampleId :

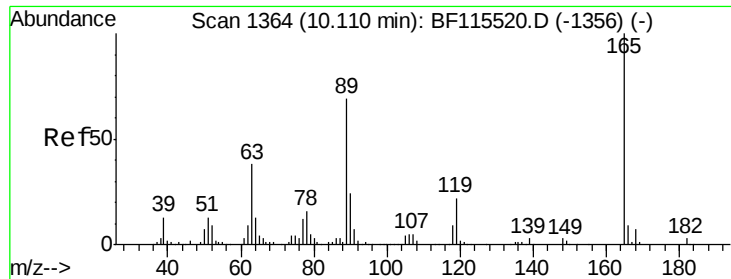
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.0	8.7	13.1



#51
2,6-Dinitrotoluene
Concen: 7.349 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF115576.D
Acq: 16 Jul 2019 00:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	40.6	61.0#
89	1.1	43.9	65.9#

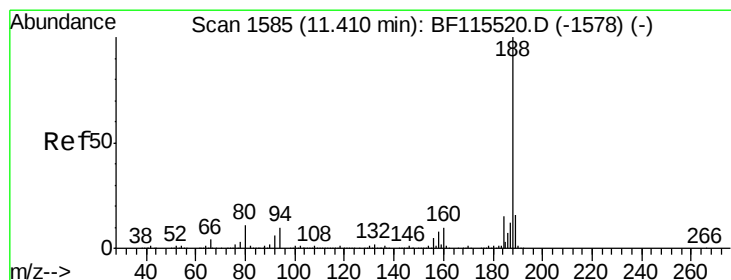
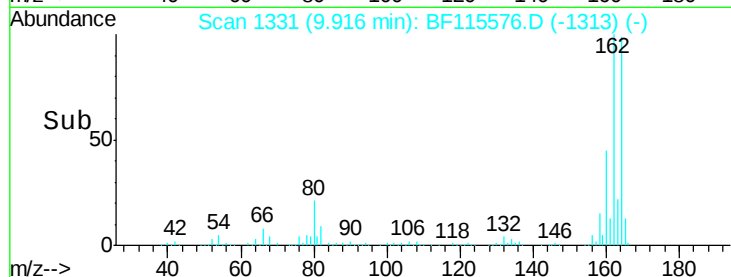
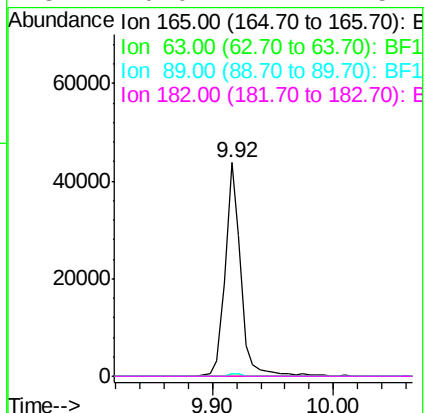
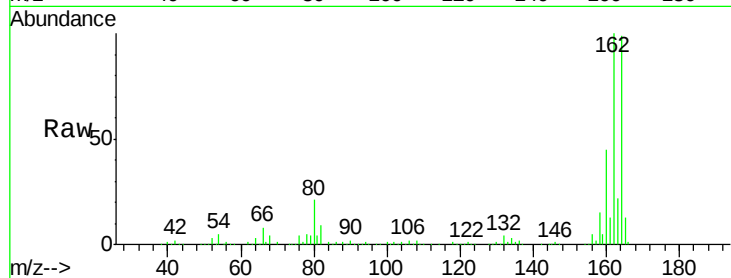




#57
 2,4-Dinitrotoluene
 Concen: 5.749 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF115576.D
 Acq: 16 Jul 2019 00:06

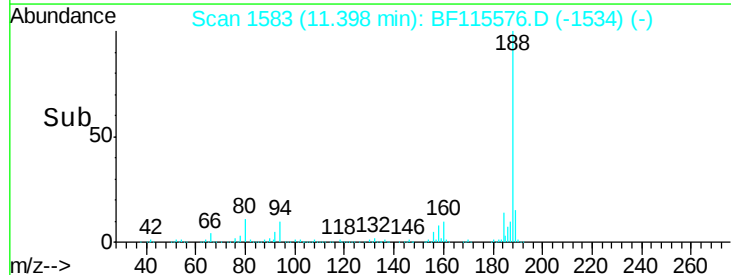
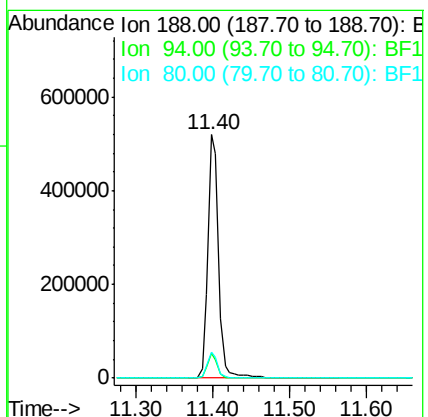
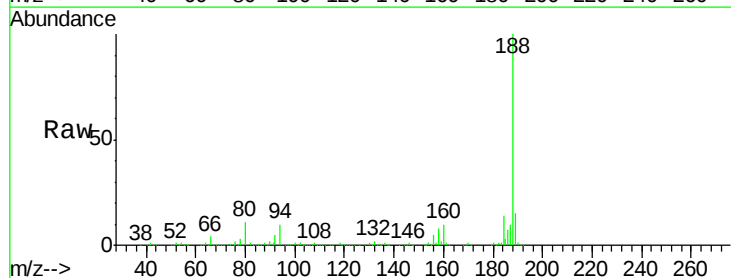
Instrument :
 BNA_F
 ClientSampleId :

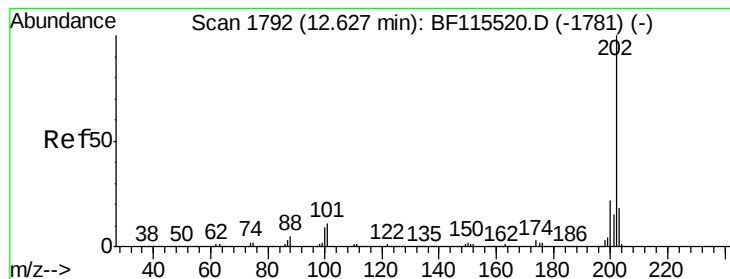
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	34.9	52.3#
89	1.1	57.5	86.3#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF115576.D
 Acq: 16 Jul 2019 00:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.8	11.6
80	10.9	8.6	13.0





#75

Fluoranthene

Concen: 3.324 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.02 min

Lab File: BF115576.D

Acq: 16 Jul 2019 00:06

Instrument :

BNA_F

ClientSampleId :

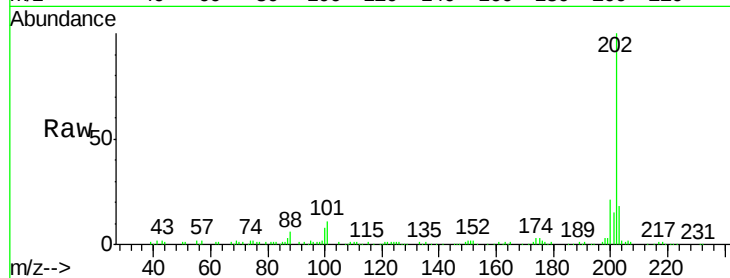
Tot Ion:202 Resp: 90156

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.4

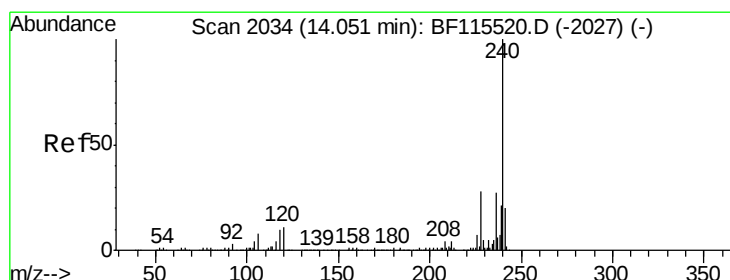
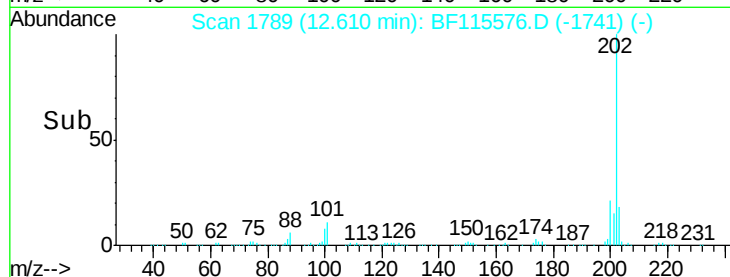
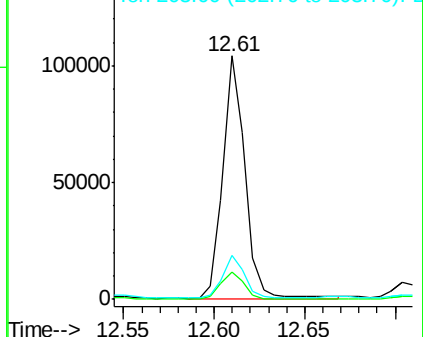
203 18.2 0.0 38.1



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: 14.03 min Scan# 2031

Delta R.T. -0.02 min

Lab File: BF115576.D

Acq: 16 Jul 2019 00:06

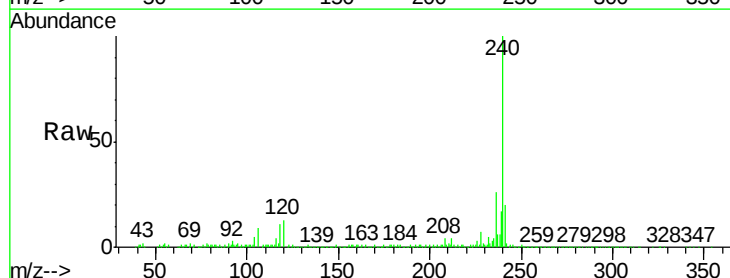
Tgt Ion:240 Resp: 354505

Ion Ratio Lower Upper

240 100

120 12.6 8.6 13.0

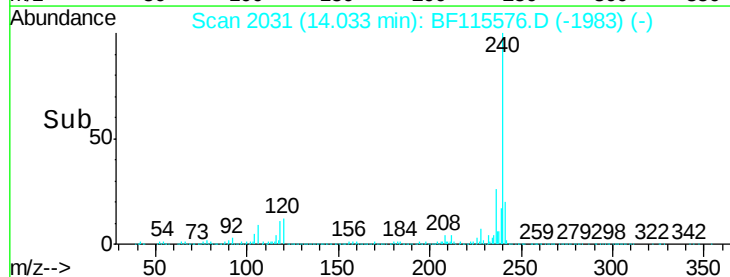
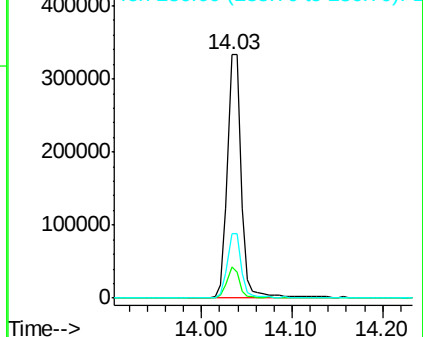
236 26.5 21.3 31.9

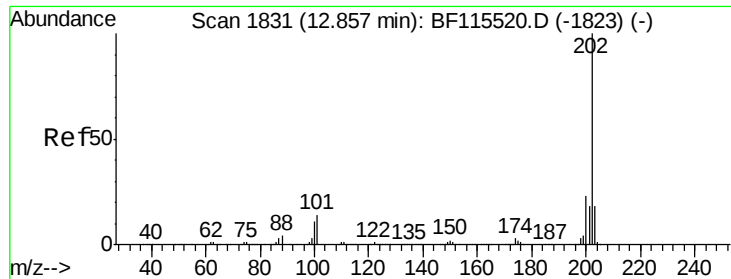


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

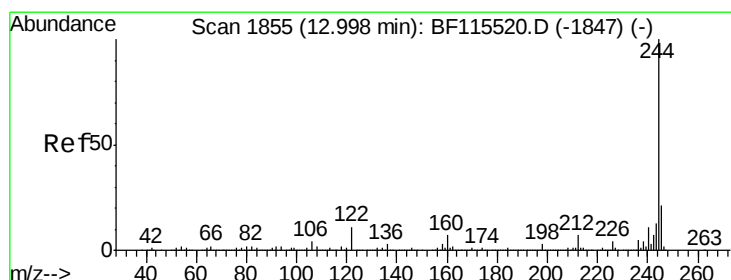
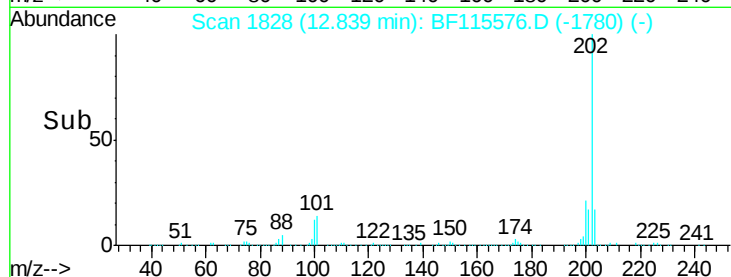
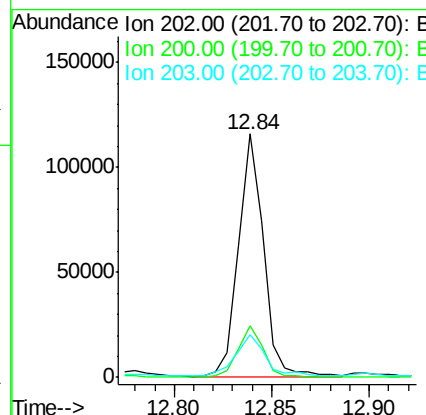
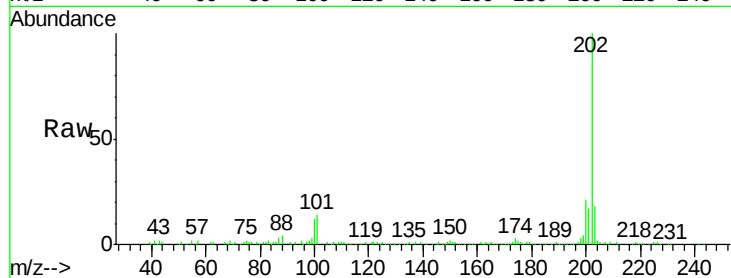




#78
Pvrene
Concen: 3.421 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BF115576.D
Acq: 16 Jul 2019 00:06

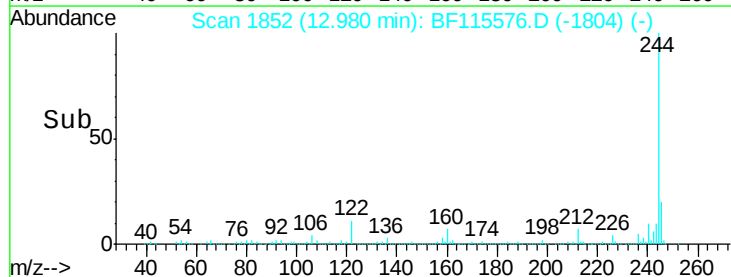
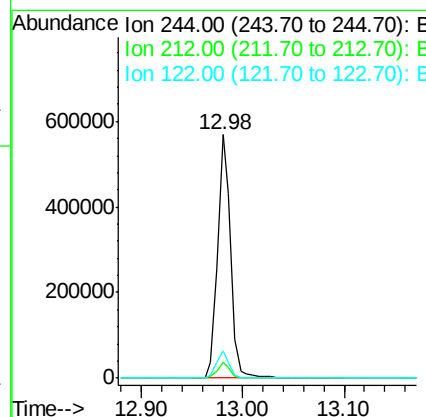
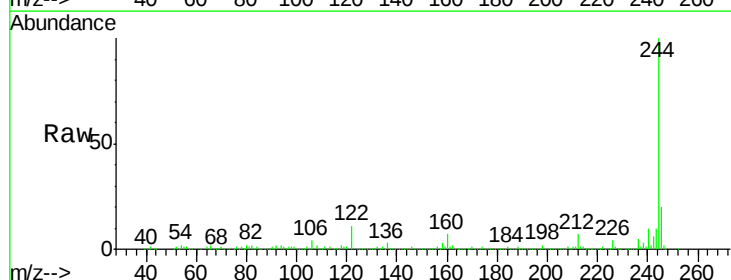
Instrument :
BNA_F
ClientSampleId :

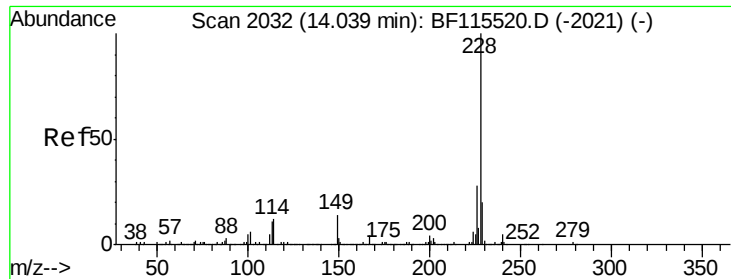
Tot Ion:202 Resp: 102752
Ion Ratio Lower Upper
202 100
200 21.2 18.7 28.1
203 17.6 15.2 22.8



#79
Terphenyl-d14
Concen: 26.595 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.02 min
Lab File: BF115576.D
Acq: 16 Jul 2019 00:06

Tgt Ion:244 Resp: 510959
Ion Ratio Lower Upper
244 100
212 6.6 6.0 9.0
122 11.4 8.6 12.8





#81

Benzo(a)anthracene

Concen: 2.273 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.02 min

Lab File: BF115576.D

Acq: 16 Jul 2019 00:06

Instrument :

BNA_F

ClientSampleId :

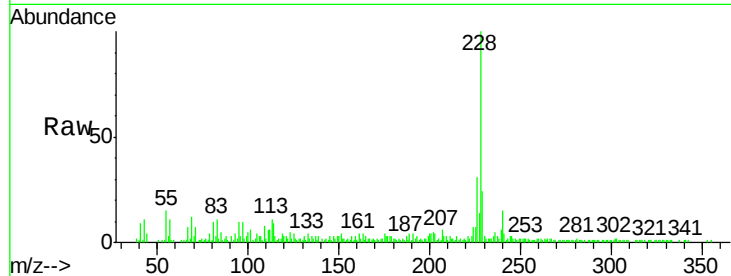
Tot Ion:228 Resp: 53091

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

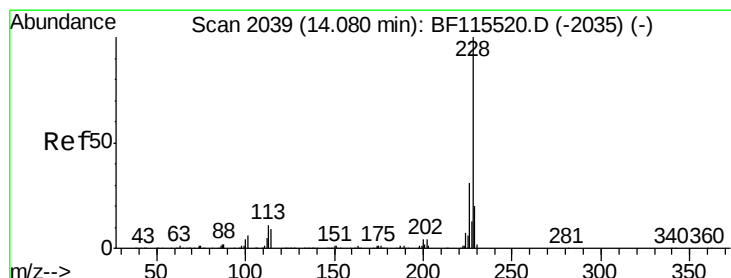
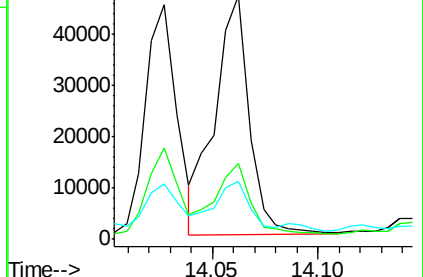
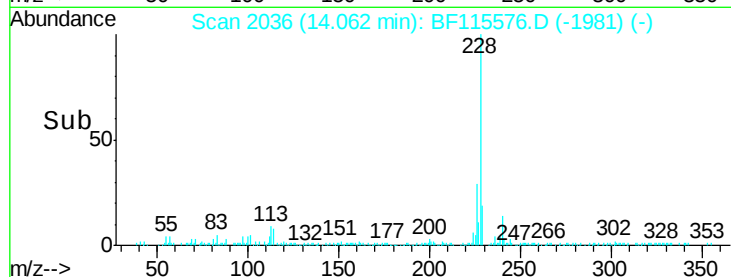
229 23.8 17.2 25.8



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



#83

Chrysene

Concen: 2.264 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.02 min

Lab File: BF115576.D

Acq: 16 Jul 2019 00:06

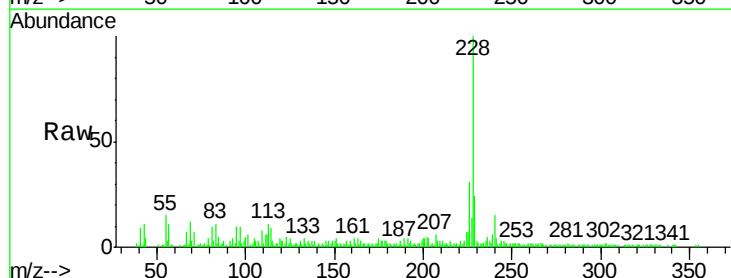
Tgt Ion:228 Resp: 53091

Ion Ratio Lower Upper

228 100

226 30.9 25.7 38.5

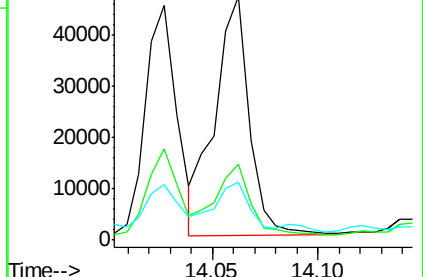
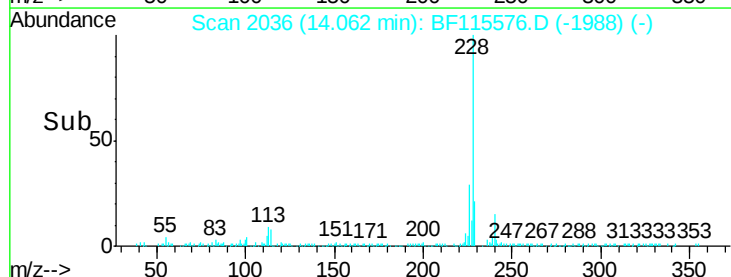
229 23.8 16.6 25.0

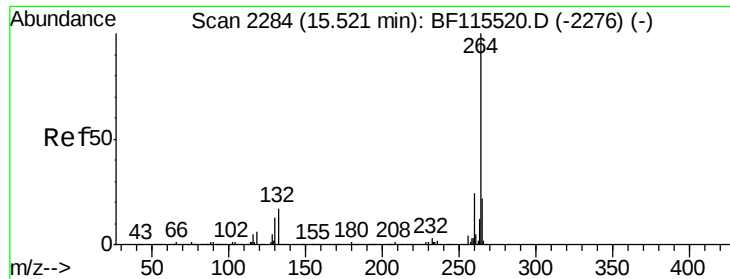


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BF115576.D

Acq: 16 Jul 2019 00:06

Instrument :

BNA_F

ClientSampleId :

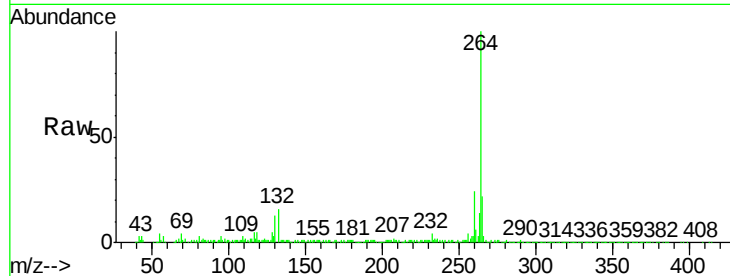
Tot Ion:264 Resp: 360384

Ion Ratio Lower Upper

264 100

260 24.5 19.8 29.8

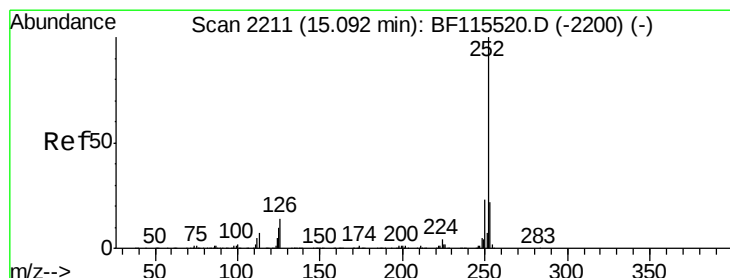
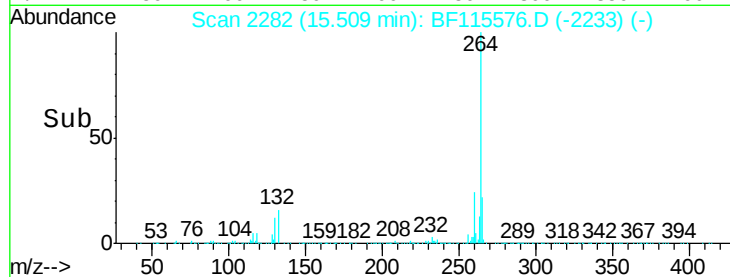
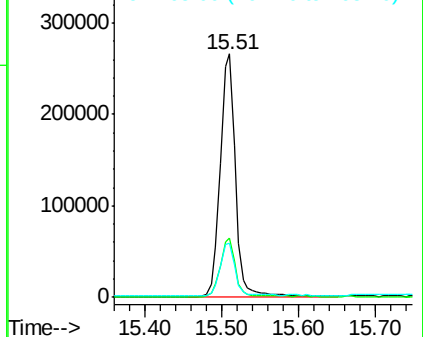
265 22.5 17.7 26.5



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: 3.121 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BF115576.D

Acq: 16 Jul 2019 00:06

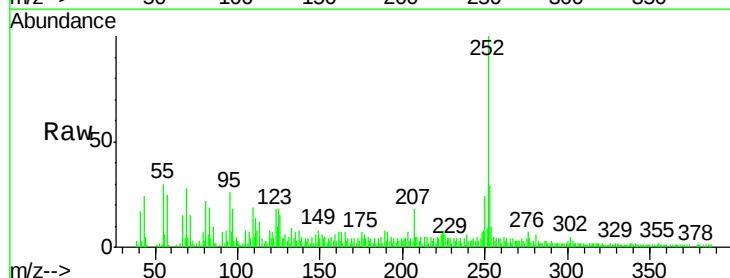
Tgt Ion:252 Resp: 72431

Ion Ratio Lower Upper

252 100

253 28.7 18.1 27.1#

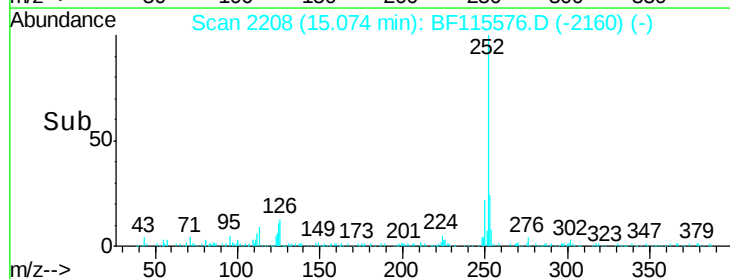
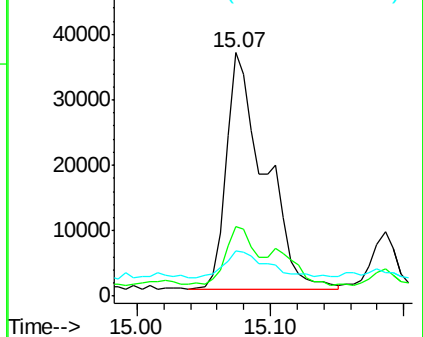
125 18.4 9.0 13.4#

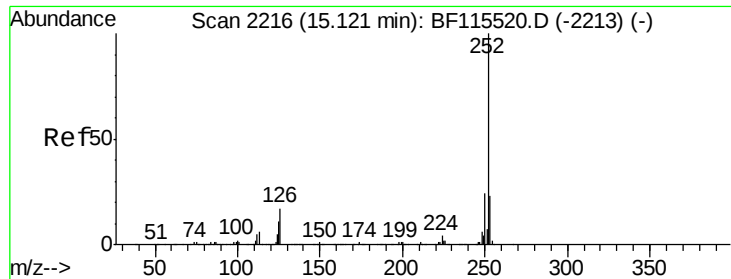


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.501 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.05 min

Lab File: BF115576.D

Acq: 16 Jul 2019 00:06

Instrument :

BNA_F

ClientSampleId :

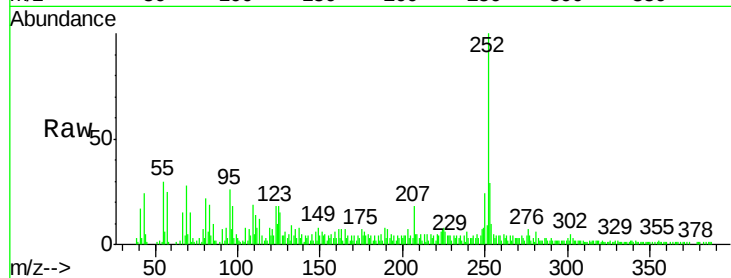
Tot Ion:252 Resp: 72431

Ion Ratio Lower Upper

252 100

253 28.7 18.6 28.0#

125 18.4 9.0 13.6#



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

