

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
 Data File : BF114543.D
 Acq On : 24 May 2019 00:14
 Operator : JU/SJ
 Sample : K2753-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 24 07:21:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 23 03:49:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	139707	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	548993	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	269570	20.00	ng	-0.03
64) Phenanthrene-d10	11.33	188	584477	20.00	ng	-0.02
76) Chrysene-d12	13.98	240	421492	20.00	ng	-0.02
87) Perylene-d12	15.44	264	394448	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	922290	106.24	ng	-0.02
7) Phenol-d6	6.46	99	1222847	119.10	ng	-0.03
23) Nitrobenzene-d5	7.37	82	728055	74.42	ng	-0.03
42) 2,4,6-Tribromophenol	10.64	330	319323	114.58	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	1372546	77.02	ng	-0.02
79) Terphenyl-d14	12.92	244	1621540	79.31	ng	-0.02

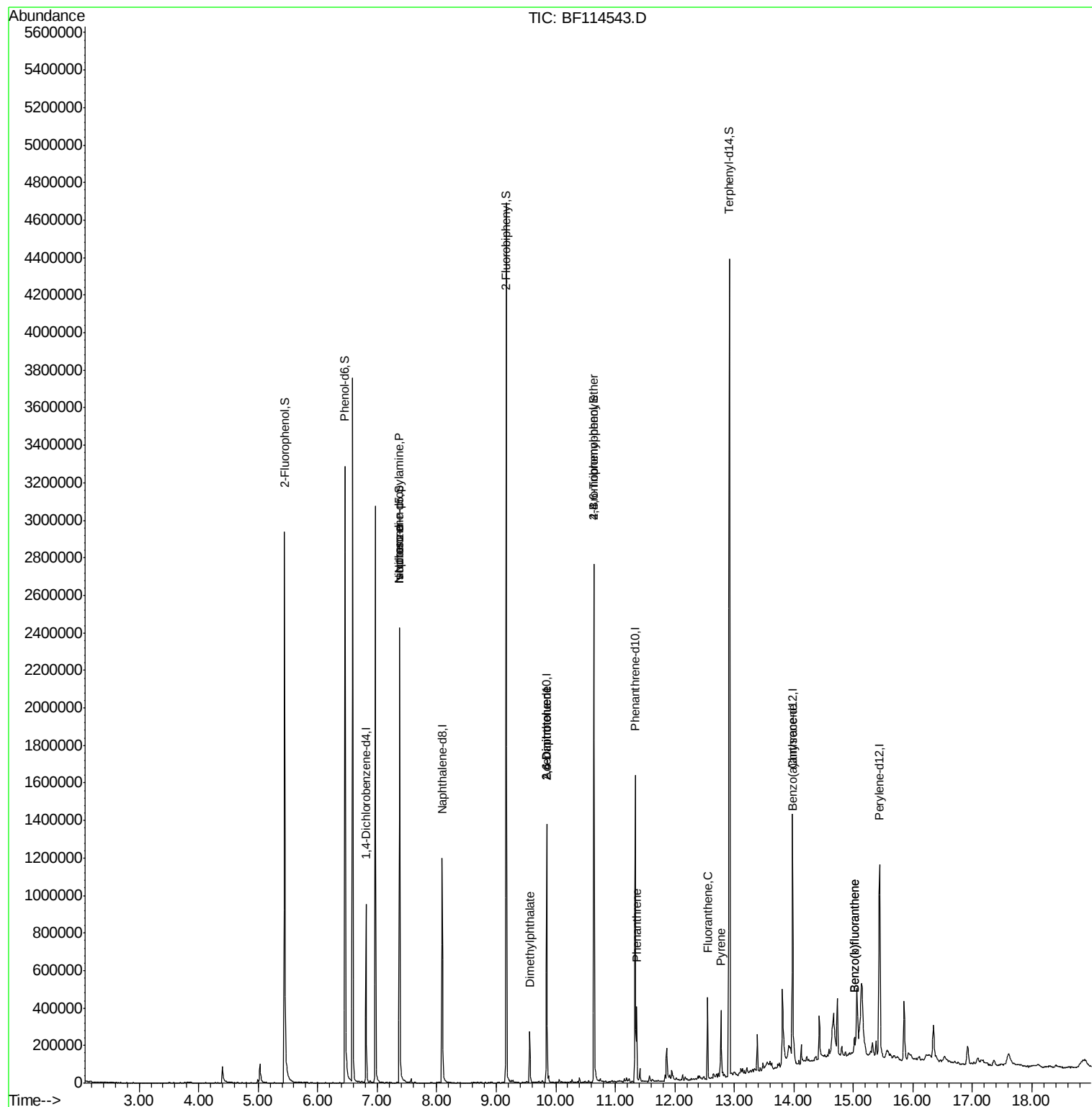
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	95513	14.676	ng	# 77
25) Isophorone	7.37	82	728048	40.129	ng	# 64
50) Dimethylphthalate	9.56	163	109015	5.509	ng	98
51) 2,6-Dinitrotoluene	9.85	165	34662	7.897	ng	# 22
57) 2,4-Dinitrotoluene	9.85	165	34662	5.818	ng	# 25
67) 4-Bromophenyl-phenylether	10.64	248	20701	3.217	ng	# 1
71) Phenanthrene	11.36	178	140726	4.949	ng	96
75) Fluoranthene	12.55	202	171258	5.593	ng	98
78) Pyrene	12.78	202	145826	4.301	ng	98
81) Benzo(a)anthracene	13.97	228	59406	2.179	ng	97
88) Benzo(b)fluoranthene	15.02	252	69546	2.752	ng	# 95
89) Benzo(k)fluoranthene	15.02	252	69546	2.996	ng	# 96

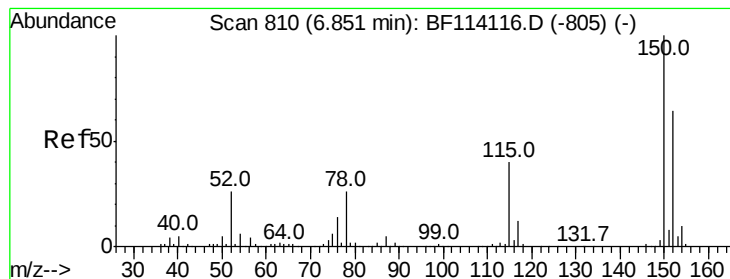
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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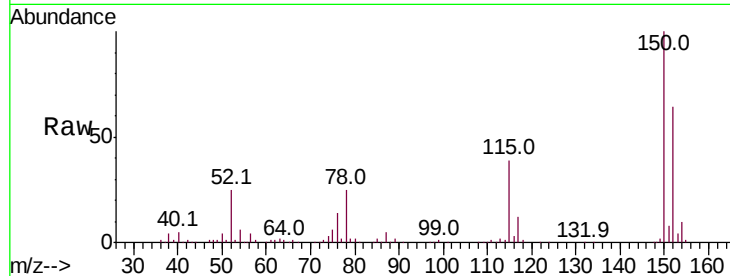


#1

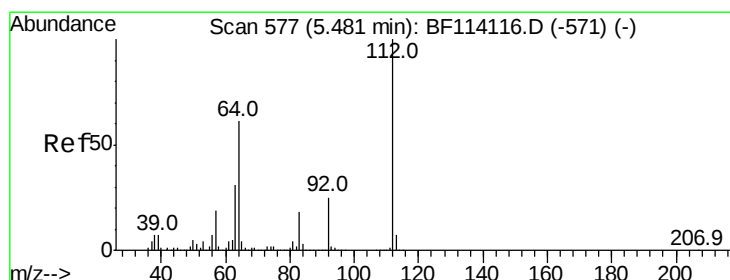
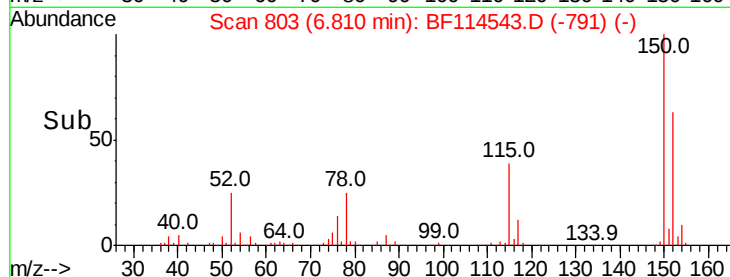
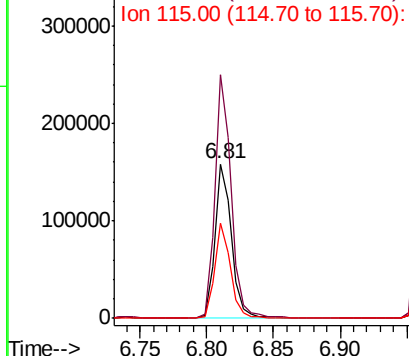
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF114543.D
Acq: 24 May 2019 00:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 139707
Ion Ratio Lower Upper
152 100
150 157.5 124.3 186.5
115 61.5 49.1 73.7



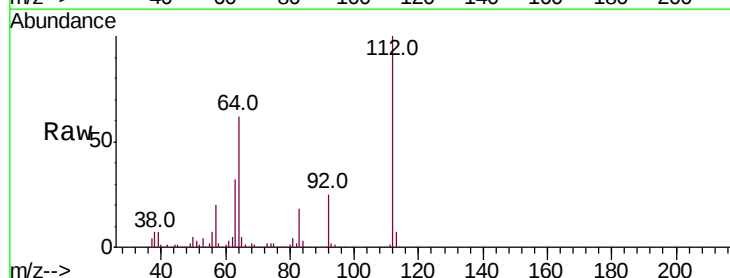
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



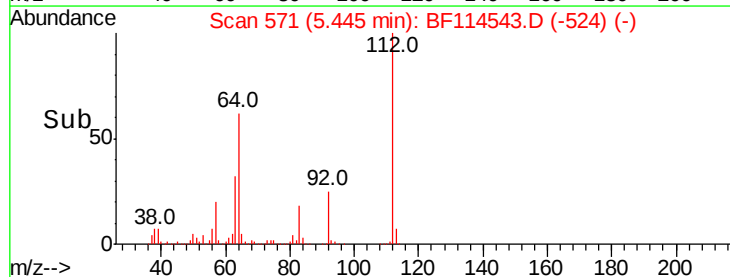
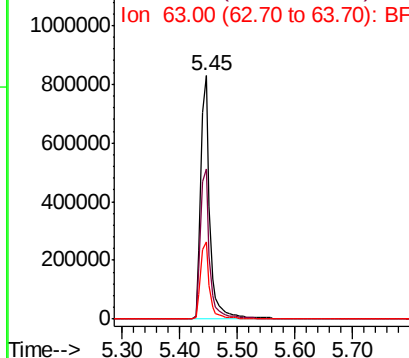
#5

2-Fluorophenol
Concen: 106.237 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.02 min
Lab File: BF114543.D
Acq: 24 May 2019 00:14

Tgt Ion:112 Resp: 922290
Ion Ratio Lower Upper
112 100
64 61.7 49.0 73.6
63 31.9 24.6 37.0



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: 119.095 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

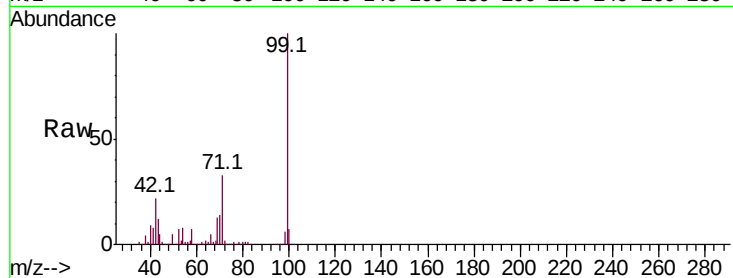
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1222847

Ion	Ratio	Lower	Upper
99	100		
42	22.3	17.9	26.9
71	33.5	26.2	39.2

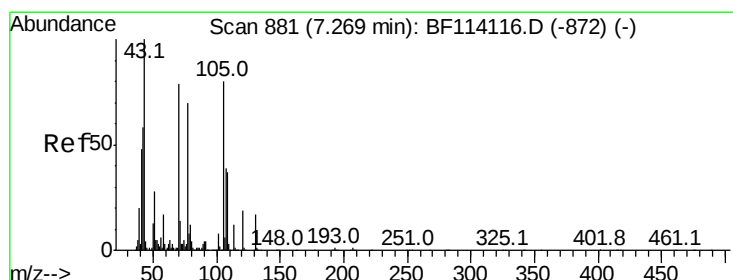
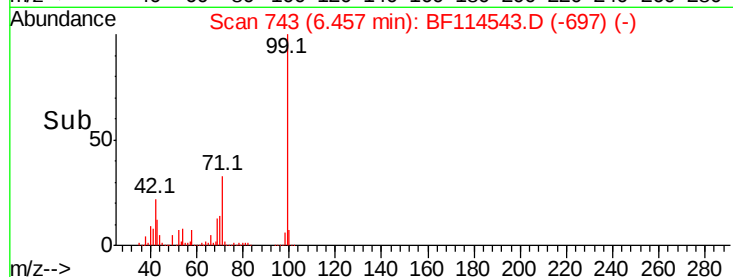
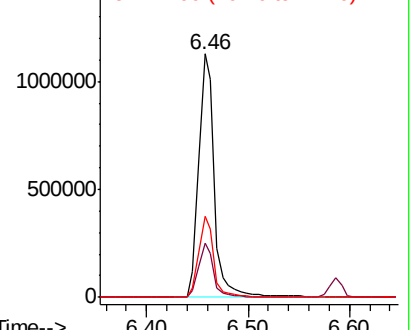


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 14.676 ng

RT: 7.37 min Scan# 899

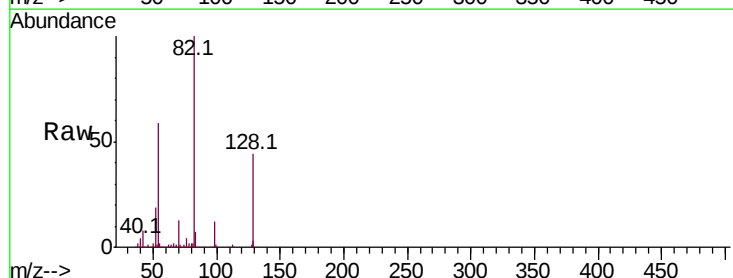
Delta R.T. 0.12 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

Tgt Ion: 70 Resp: 95513

Ion	Ratio	Lower	Upper
70	100		
42	58.6	58.6	87.8
101	0.0	7.8	11.8#
130	2.1	17.1	25.7#



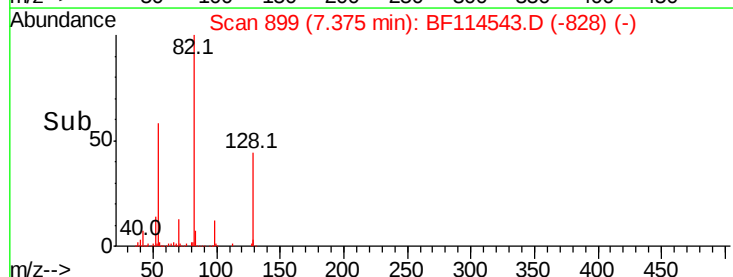
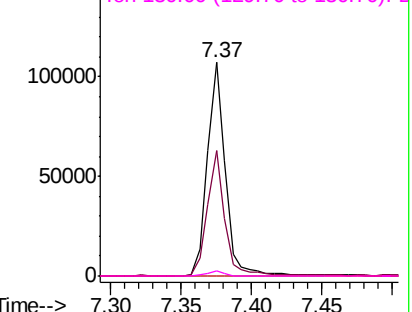
Abundance

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

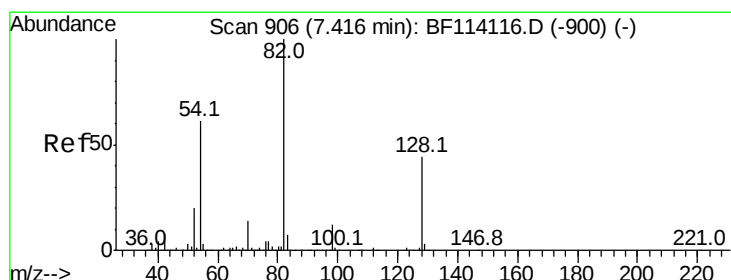
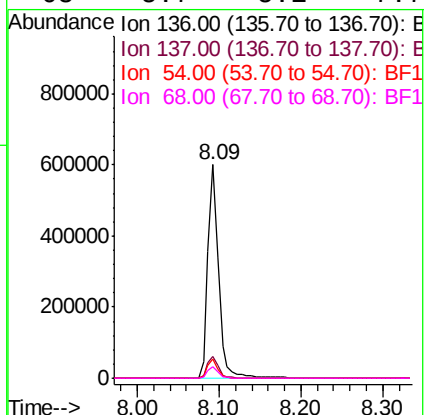
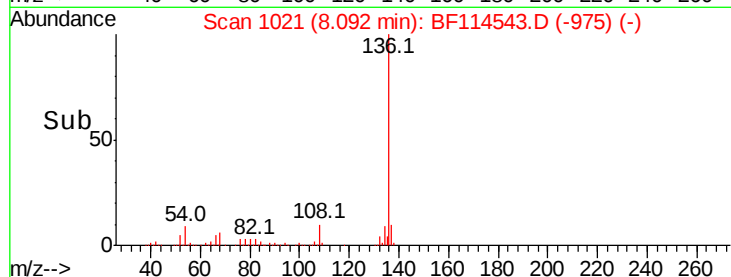
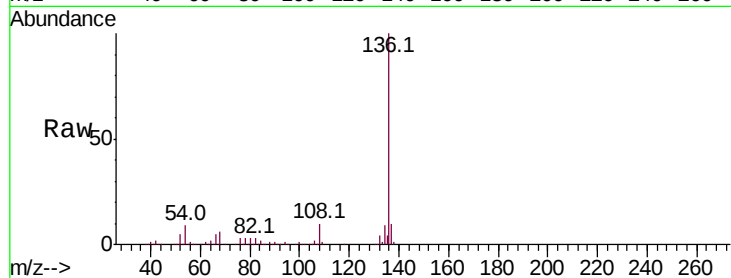




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.03 min
Lab File: BF114543.D
Acq: 24 May 2019 00:14

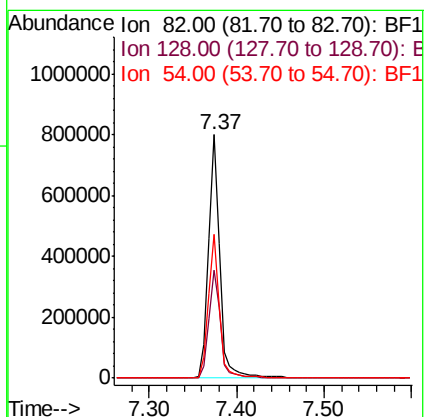
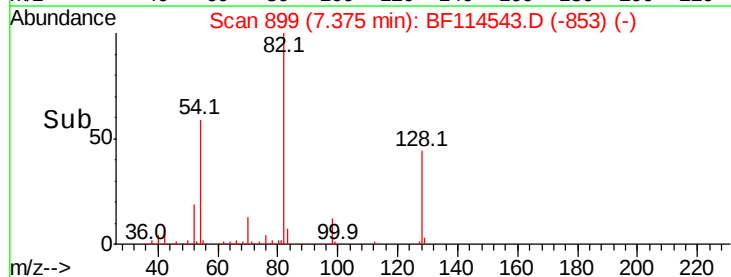
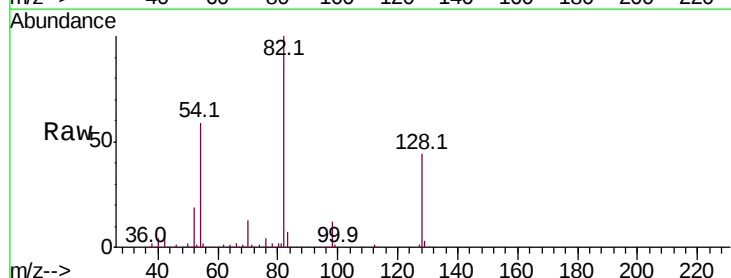
Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	548993
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	9.1	7.8	11.8
68	5.7	5.1	7.7



#23
Nitrobenzene-d5
Concen: 74.424 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.03 min
Lab File: BF114543.D
Acq: 24 May 2019 00:14

Tgt Ion:	82	Resp:	728055
Ion	Ratio	Lower	Upper
82	100		
128	44.1	35.5	53.3
54	59.1	48.5	72.7





#25

Isophorone

Concen: 40.129 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.29 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

Instrument :

BNA_F

ClientSampled :

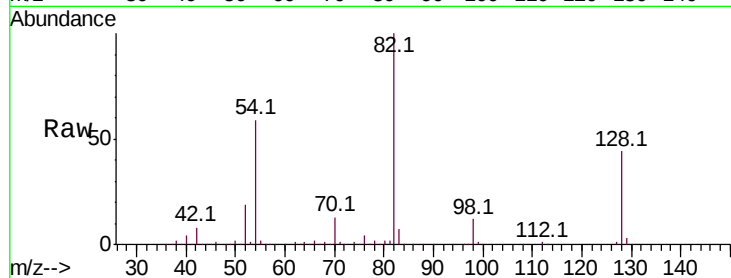
Tot Ion: 82 Resp: 728048

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

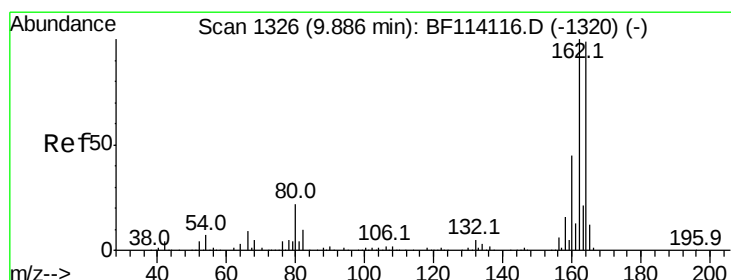
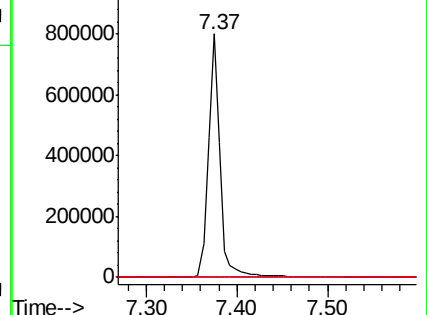
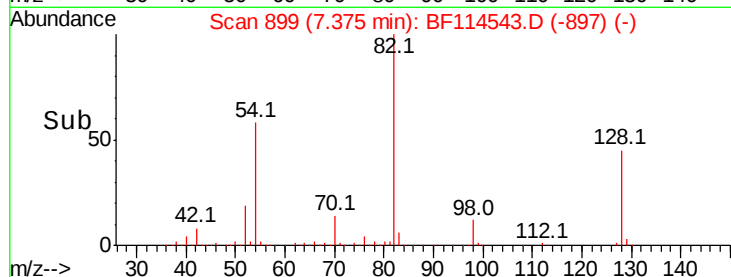
138 0.0 14.8 22.2#



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# 1319

Delta R.T. -0.03 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

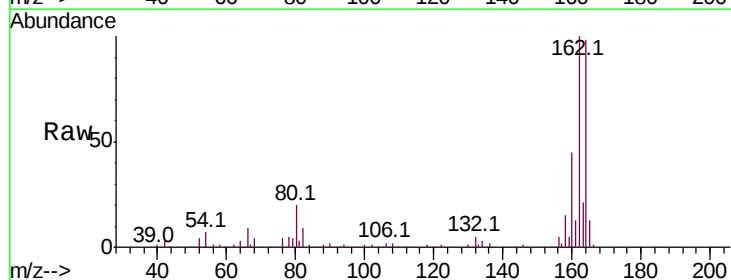
Tgt Ion:164 Resp: 269570

Ion Ratio Lower Upper

164 100

162 102.4 80.6 120.8

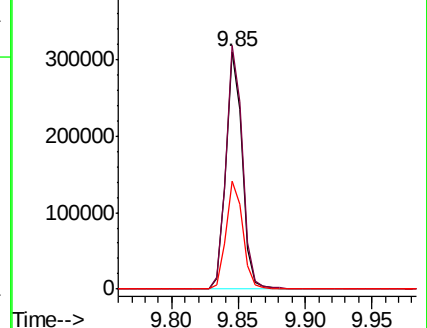
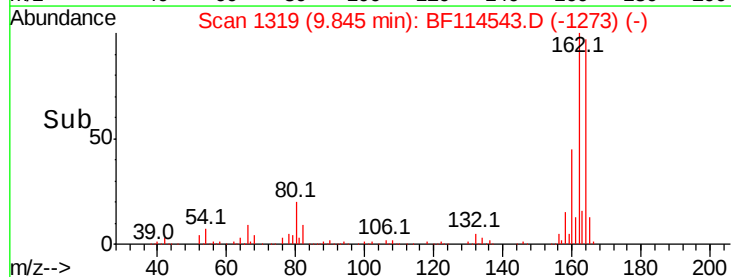
160 45.6 36.5 54.7



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: 114.580 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.02 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

Instrument :

BNA_F

ClientSampled :

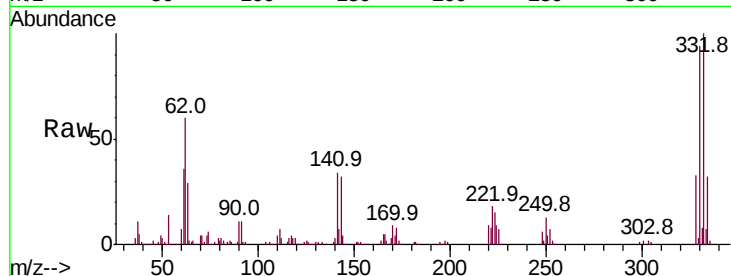
Tot Ion:330 Resp: 319323

Ion Ratio Lower Upper

330 100

332 105.1 81.4 122.2

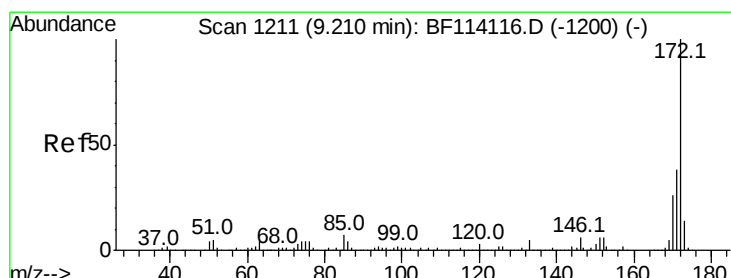
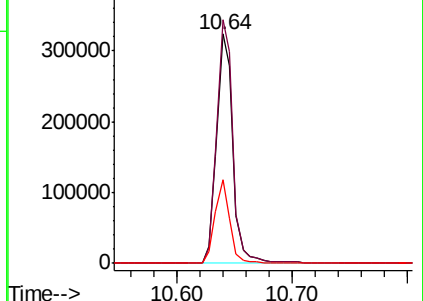
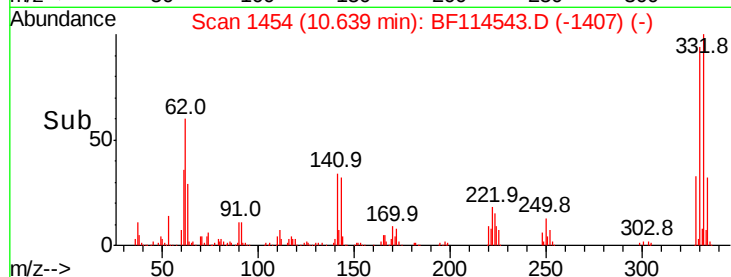
141 33.8 26.6 40.0



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: 77.019 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.02 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

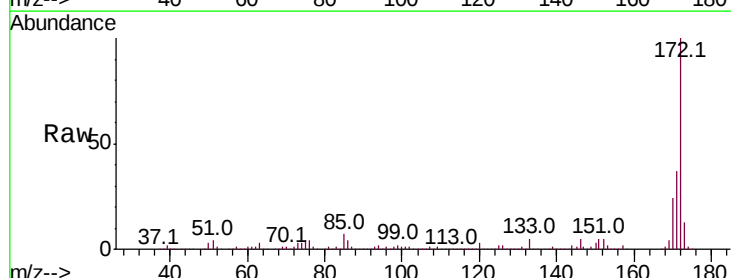
Tgt Ion:172 Resp: 1372546

Ion Ratio Lower Upper

172 100

171 36.6 30.7 46.1

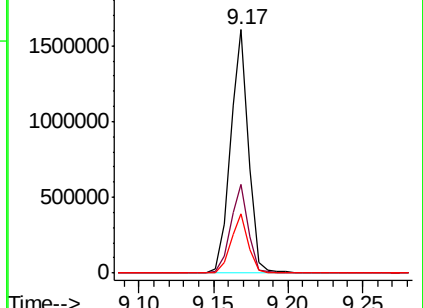
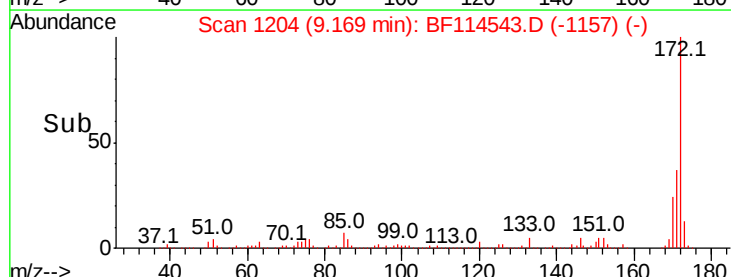
170 24.4 20.5 30.7

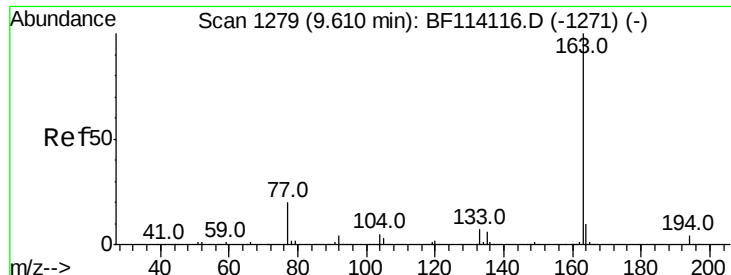


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.509 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.03 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

Instrument :

BNA_F

ClientSampleId :

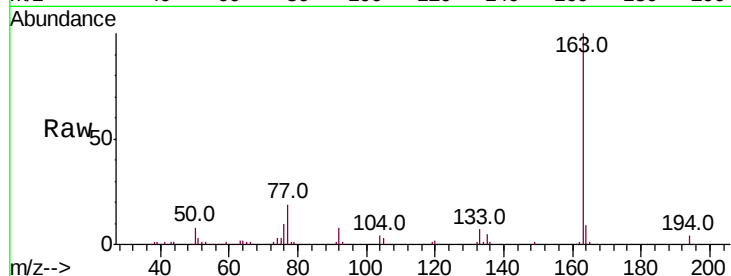
Tot Ion:163 Resp: 109015

Ion Ratio Lower Upper

163 100

194 3.7 3.4 5.0

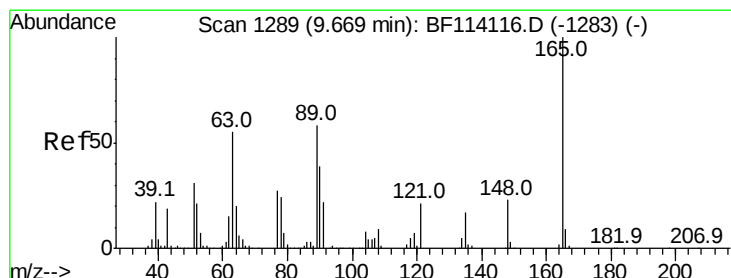
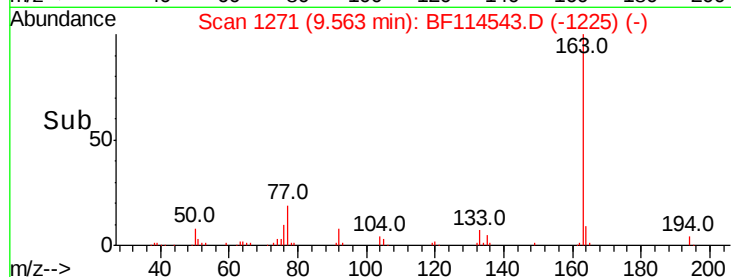
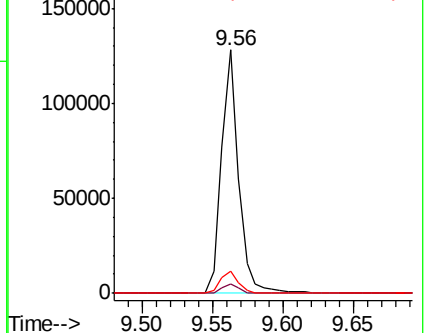
164 9.3 8.2 12.2



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: 7.897 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.18 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

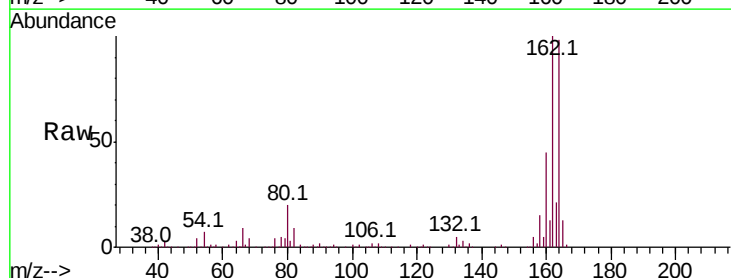
Tgt Ion:165 Resp: 34662

Ion Ratio Lower Upper

165 100

63 1.0 50.2 75.4#

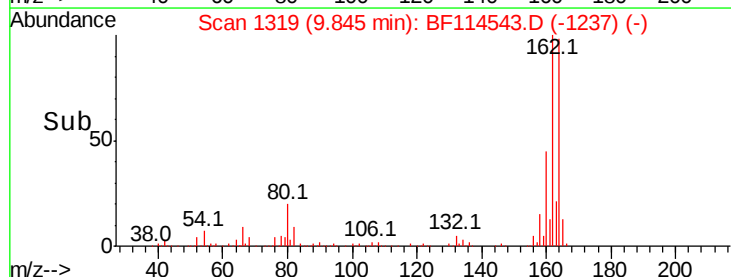
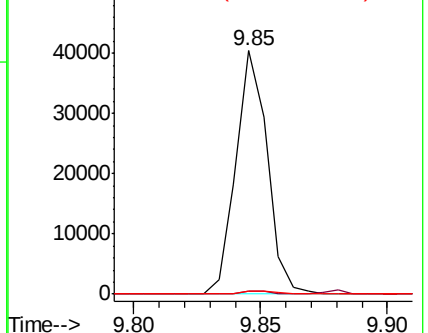
89 1.3 46.6 69.8#

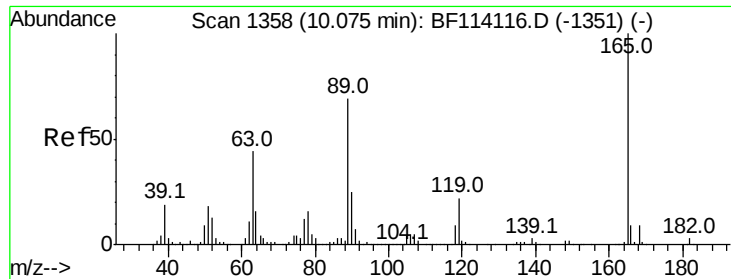


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

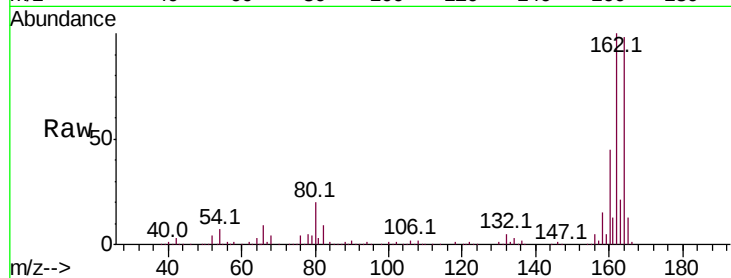




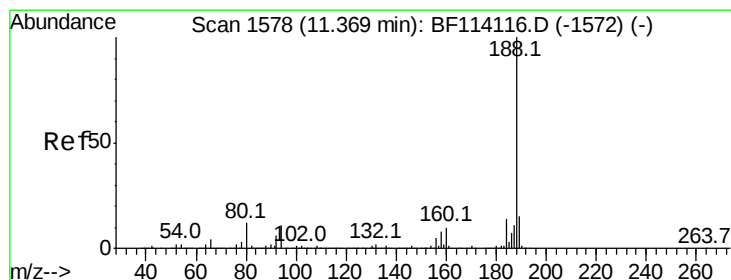
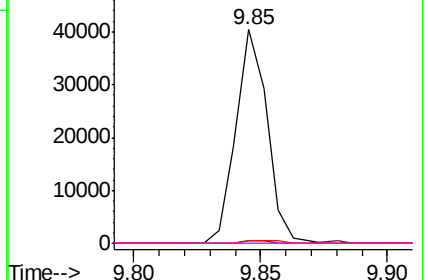
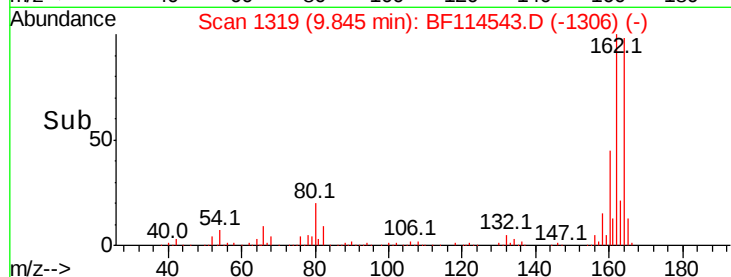
#57
 2,4-Dinitrotoluene
 Concen: 5.818 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.22 min
 Lab File: BF114543.D
 Acq: 24 May 2019 00:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 34662
 Ion Ratio Lower Upper
 165 100
 63 1.0 35.5 53.3#
 89 1.3 55.2 82.8#
 182 0.0 2.2 3.2#

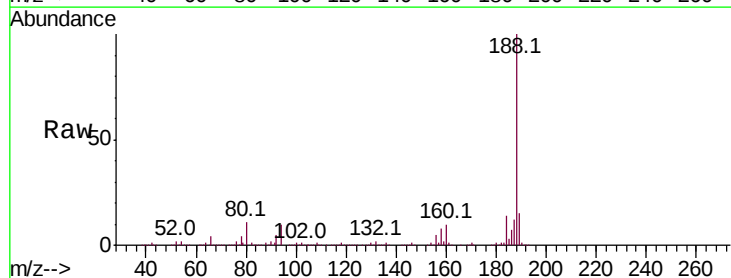


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

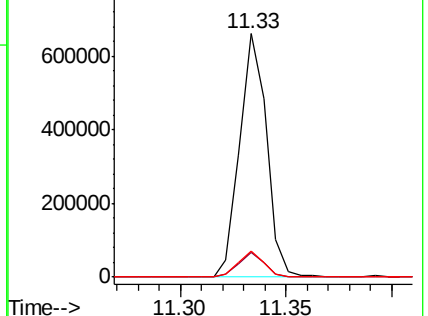
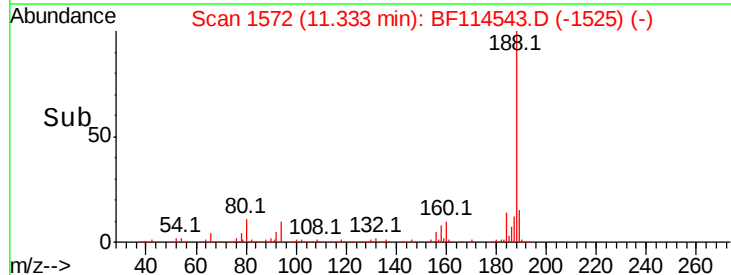


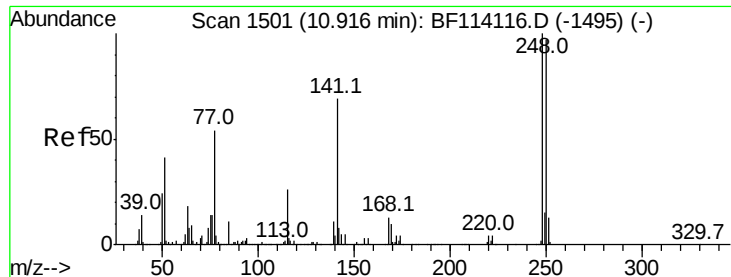
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: BF114543.D
 Acq: 24 May 2019 00:14

Tgt Ion:188 Resp: 584477
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.4 12.6
 80 10.6 9.2 13.8



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

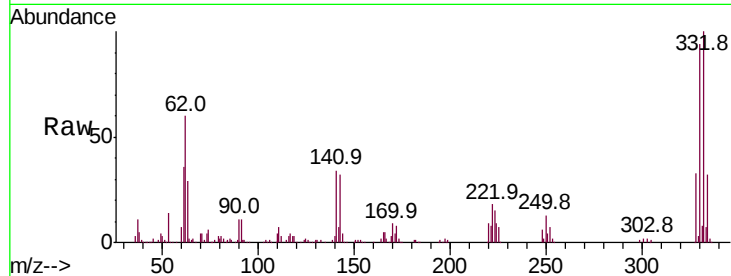




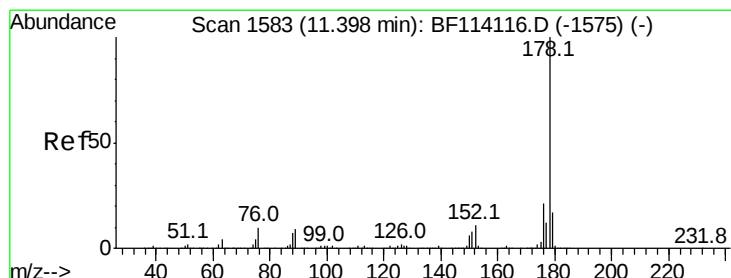
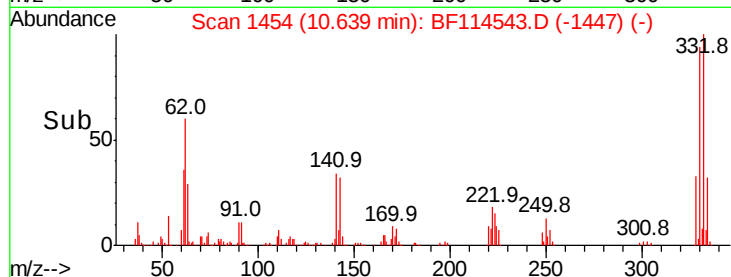
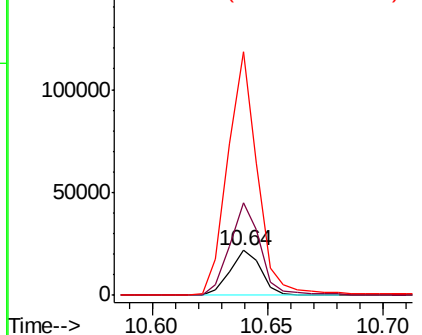
#67
4-Bromophenyl-phenylether
Concen: 3.217 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.26 min
Lab File: BF114543.D
Acq: 24 May 2019 00:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 20701
Ion Ratio Lower Upper
248 100
250 206.6 77.4 116.2#
141 540.6 55.6 83.4#

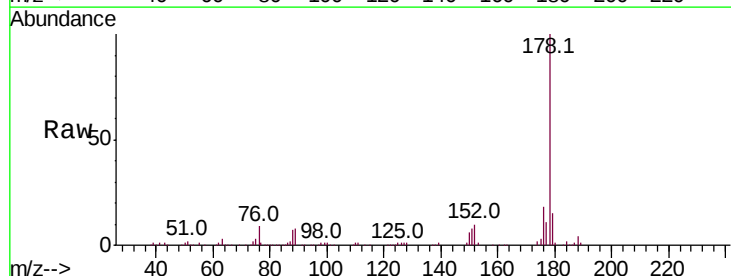


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

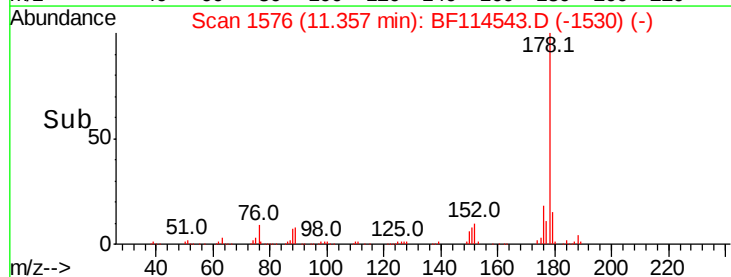
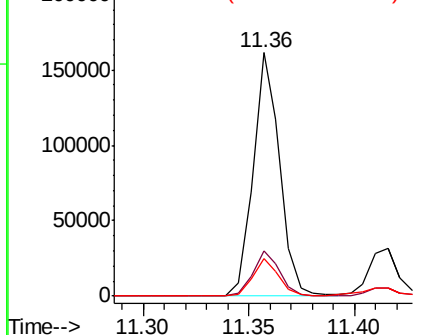


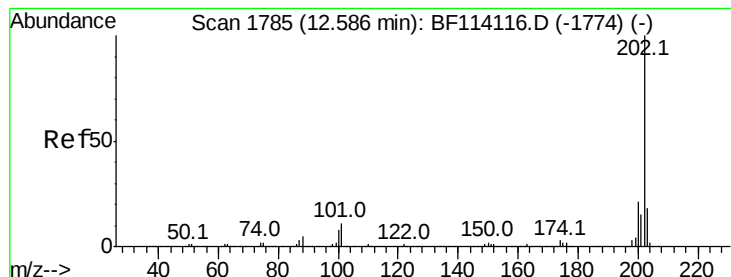
#71
Phenanthrene
Concen: 4.949 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.03 min
Lab File: BF114543.D
Acq: 24 May 2019 00:14

Tgt Ion:178 Resp: 140726
Ion Ratio Lower Upper
178 100
176 18.4 16.4 24.6
179 15.2 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.593 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.02 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

Instrument :

BNA_F

ClientSampled :

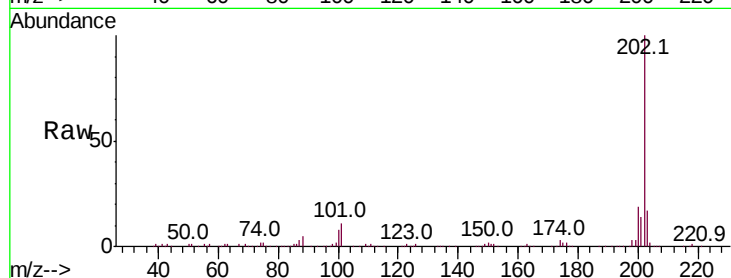
Tot Ion:202 Resp: 171258

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.0

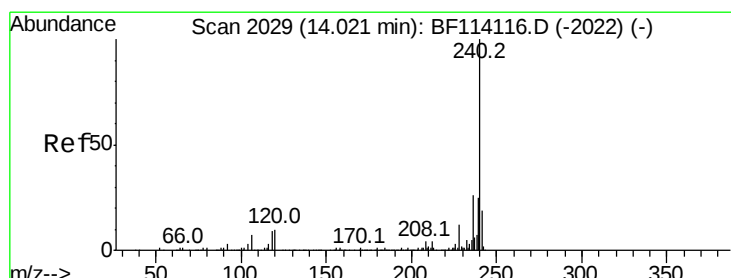
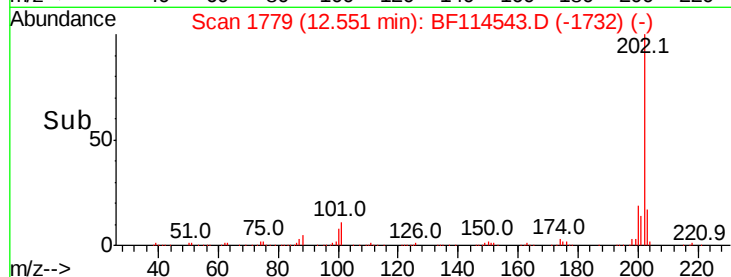
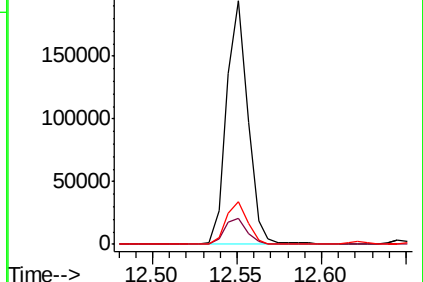
203 17.3 0.0 38.4



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: 13.98 min Scan# 2022

Delta R.T. -0.02 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

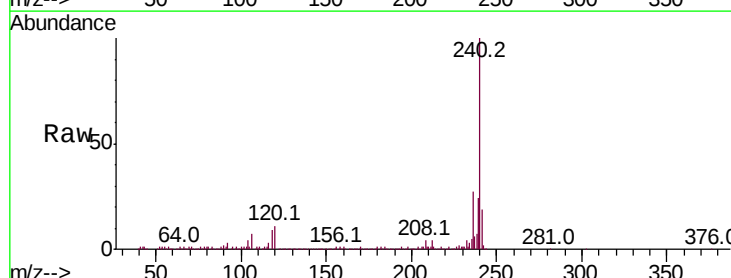
Tgt Ion:240 Resp: 421492

Ion Ratio Lower Upper

240 100

120 10.8 8.3 12.5

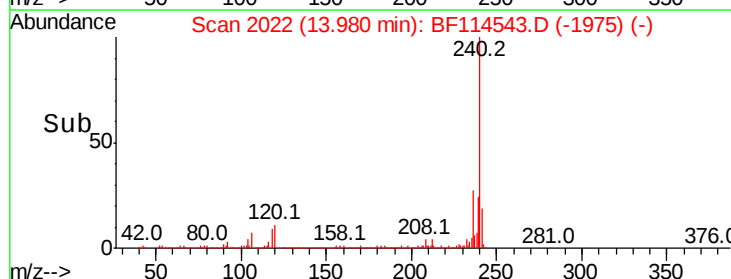
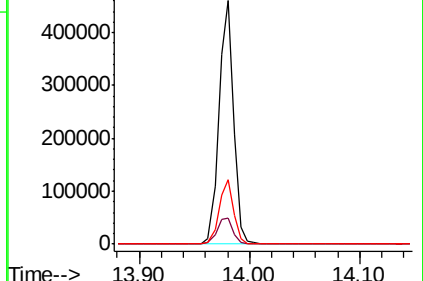
236 26.5 20.8 31.2

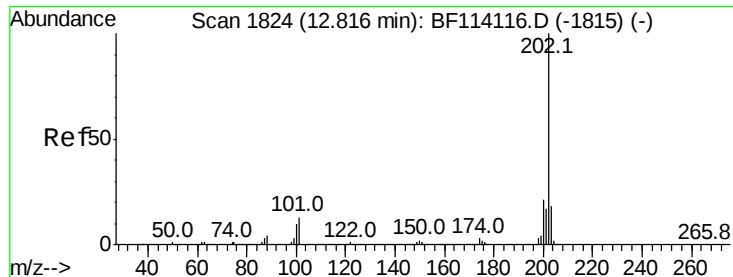


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

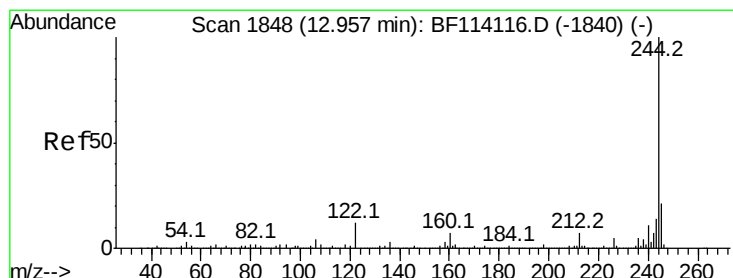
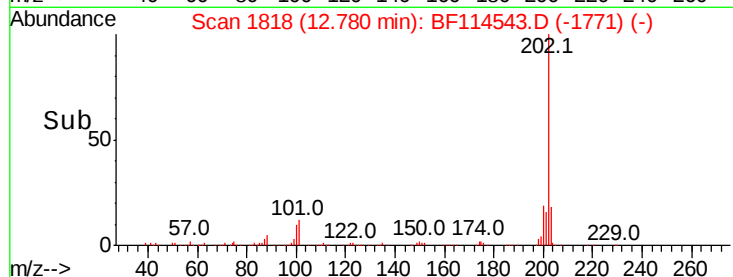
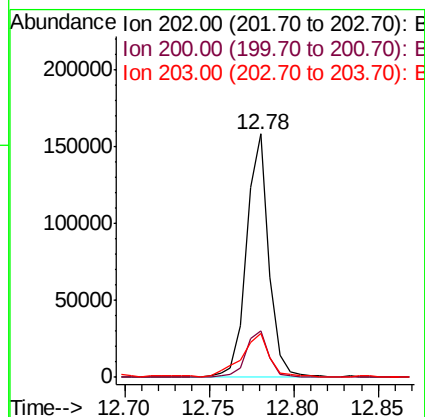
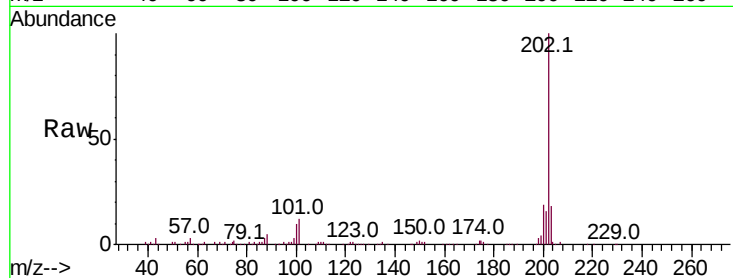




#78
Pvrene
Concen: 4.301 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BF114543.D
Acq: 24 May 2019 00:14

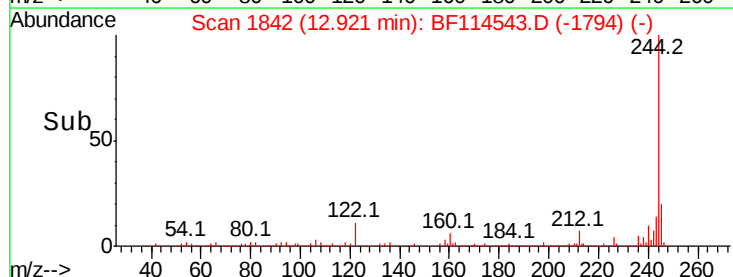
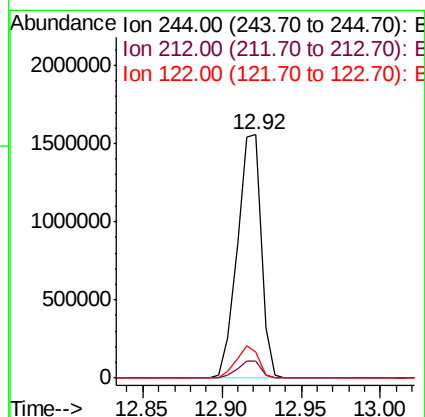
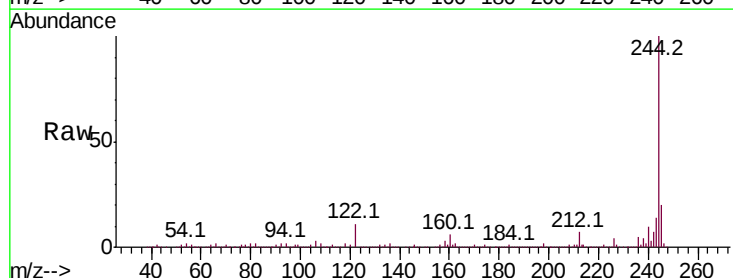
Instrument :
BNA_F
ClientSampleId :

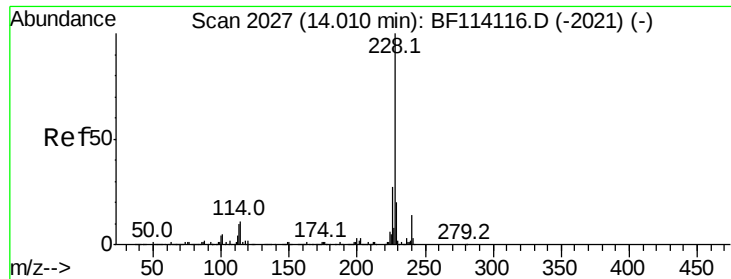
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.0	16.9	25.3
203	18.1	14.5	21.7



#79
Terphenyl-d14
Concen: 79.306 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.02 min
Lab File: BF114543.D
Acq: 24 May 2019 00:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	10.9	9.4	14.2





#81

Benzo(a)anthracene

Concen: 2.179 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.02 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

Instrument :

BNA_F

ClientSampleId :

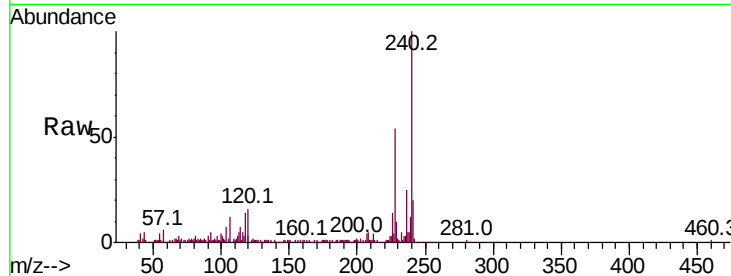
Tot Ion:228 Resp: 59406

Ion	Ratio	Lower	Upper
228	100		
226	26.3	22.2	33.2
229	19.1	16.4	24.6

228 100

226 26.3 22.2 33.2

229 19.1 16.4 24.6

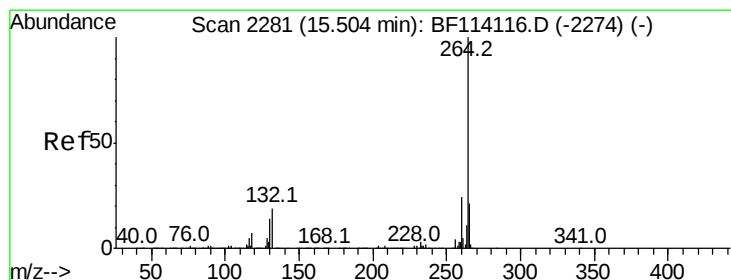
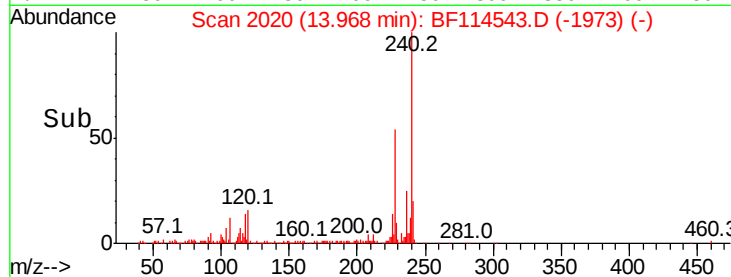
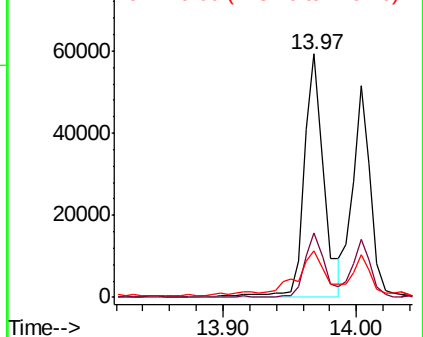


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.02 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

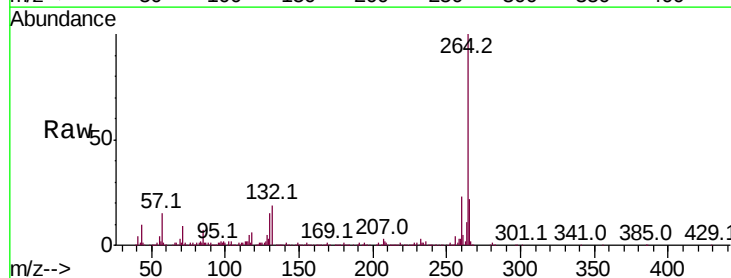
Tgt Ion:264 Resp: 394448

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.0
265	22.0	16.9	25.3

264 100

260 23.2 19.4 29.0

265 22.0 16.9 25.3

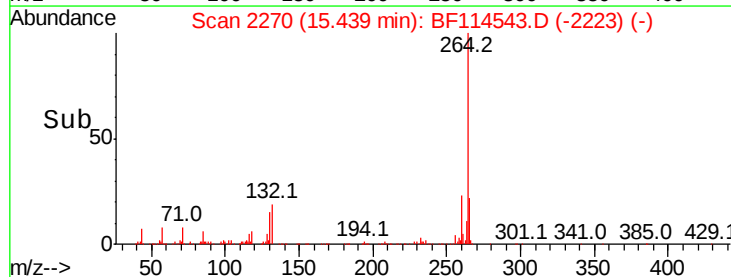
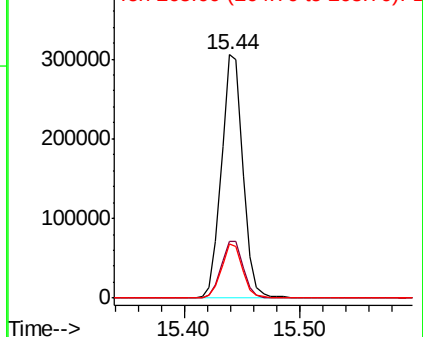


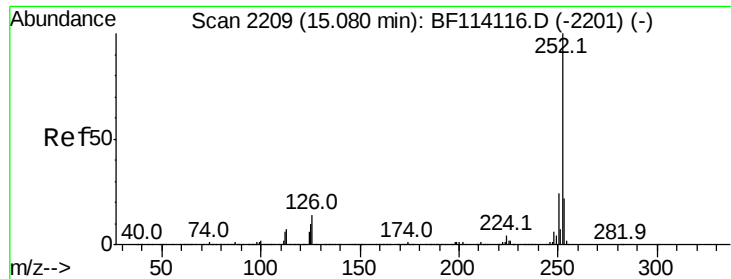
Abundance

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

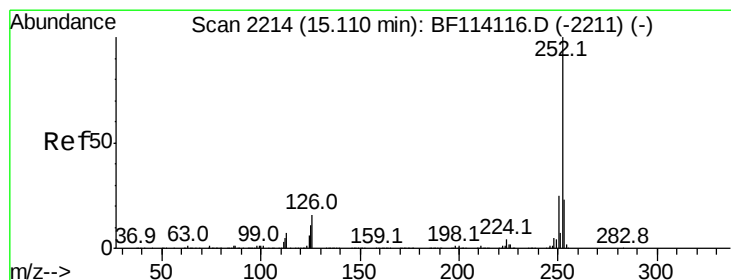
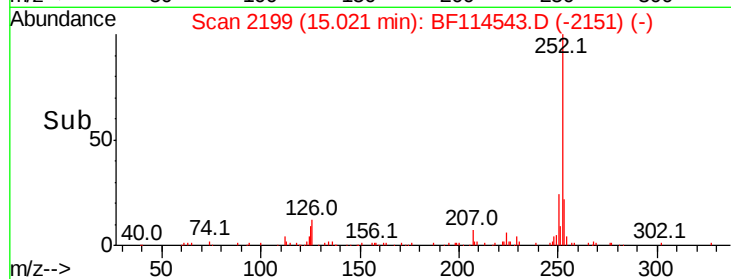
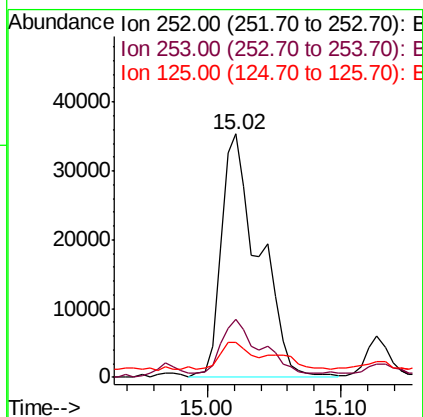
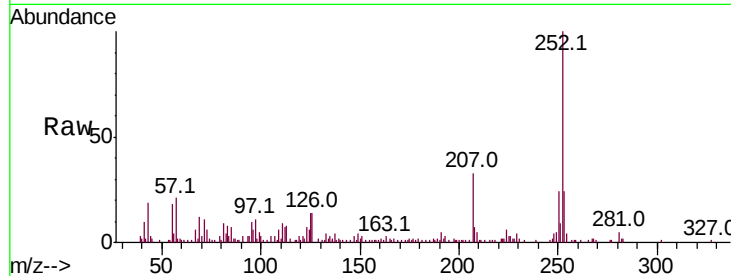




#88
Benzo(b)fluoranthene
Concen: 2.752 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF114543.D
Acq: 24 May 2019 00:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 69546
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 14.4 8.3 12.5#



#89
Benzo(k)fluoranthene
Concen: 2.996 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.05 min
Lab File: BF114543.D
Acq: 24 May 2019 00:14

Tgt Ion:252 Resp: 69546
Ion Ratio Lower Upper
252 100
253 23.7 18.2 27.2
125 14.4 8.6 13.0#

