

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081919\
 Data File : BF116403.D
 Acq On : 19 Aug 2019 22:22
 Operator : HP/JU
 Sample : K4223-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Quant Time: Aug 20 01:43:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

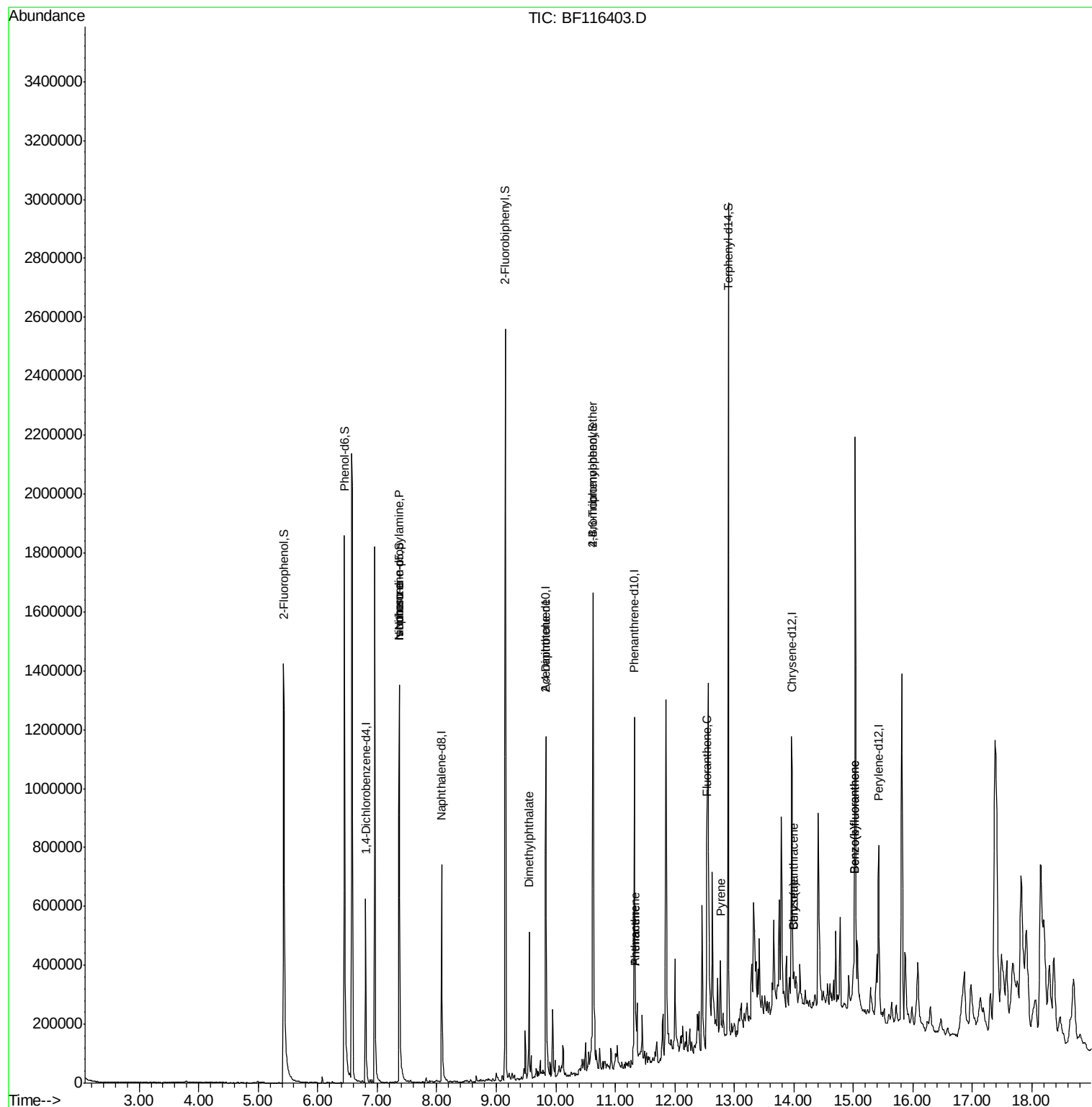
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	98101	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	388821	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	212955	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	403774	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	295209	20.00	ng	-0.02
87) Perylene-d12	15.42	264	293951	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	610100	104.11	ng	-0.01
7) Phenol-d6	6.45	99	815116	110.25	ng	-0.02
23) Nitrobenzene-d5	7.37	82	498518	74.01	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	224451	108.71	ng	-0.02
45) 2-Fluorobiphenyl	9.15	172	758586	66.72	ng	-0.02
79) Terphenyl-d14	12.90	244	900275	64.26	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	65817	14.366	ng	Qvalue # 79
25) Isophorone	7.37	82	498518	38.704	ng	# 65
50) Dimethylphthalate	9.55	163	208867	14.405	ng	99
57) 2,4-Dinitrotoluene	9.83	165	27380	6.526	ng	# 21
67) 4-Bromophenyl-phenylether	10.63	248	14131	3.269	ng	# 1
71) Phenanthrene	11.35	178	51191	2.480	ng	98
72) Anthracene	11.35	178	51191	2.450	ng	99
75) Fluoranthene	12.54	202	96193	4.451	ng	99
78) Pyrene	12.77	202	86375	3.881	ng	97
81) Benzo(a)anthracene	13.99	228	38123	2.020	ng	93
83) Chrysene	13.99	228	38123	2.081	ng	97
88) Benzo(b)fluoranthene	15.01	252	56887	3.347	ng	# 89
89) Benzo(k)fluoranthene	15.01	252	56887	3.436	ng	# 89

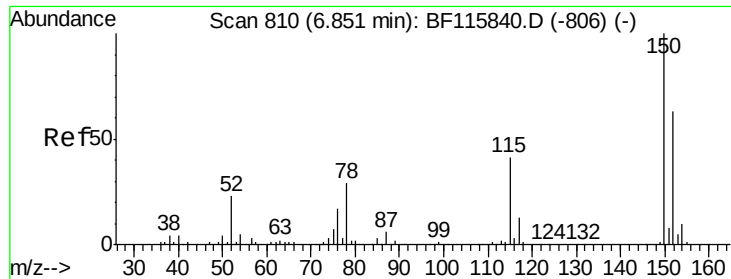
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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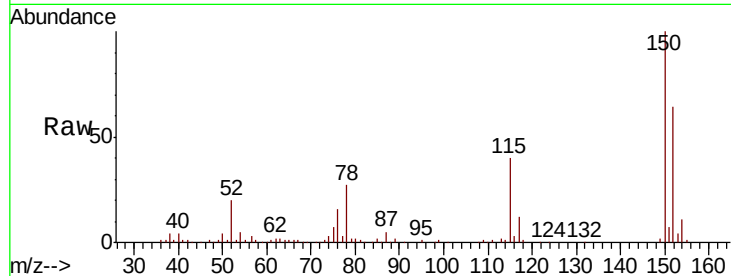


#1

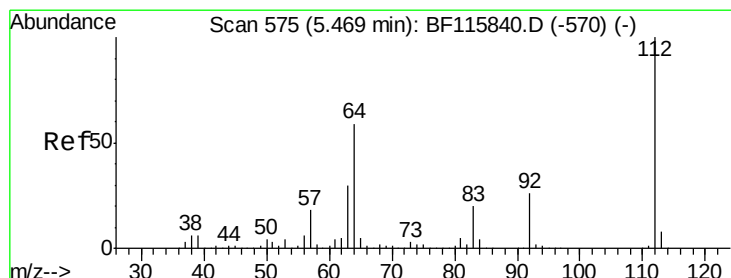
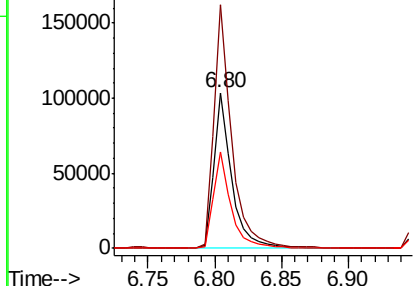
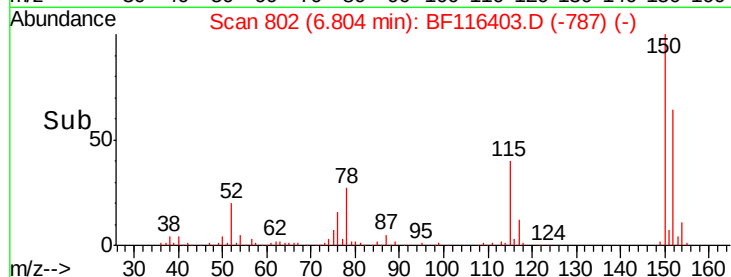
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116403.D
Acq: 19 Aug 2019 22:22

Instrument :
BNA_F
ClientSampleId :
SP-5

Tgt Ion:152 Resp: 98101
Ion Ratio Lower Upper
152 100
150 156.7 126.2 189.2
115 62.0 49.9 74.9



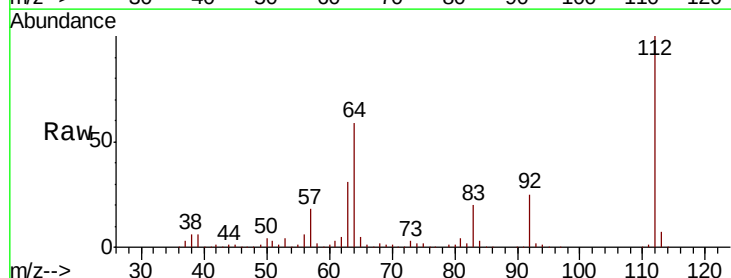
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



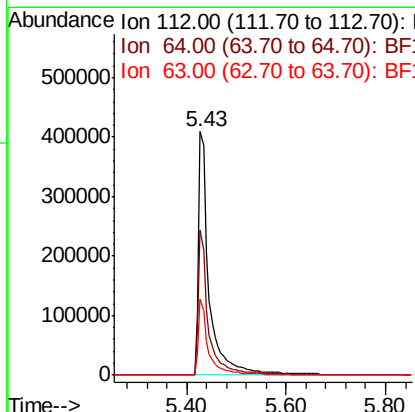
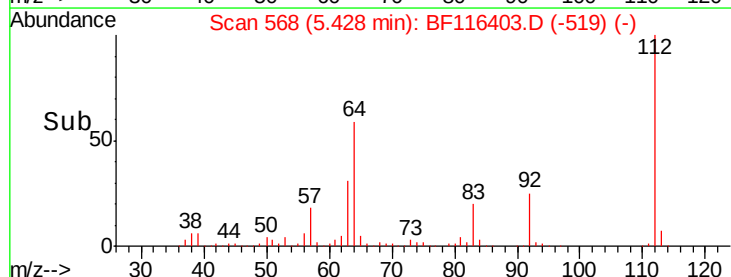
#5

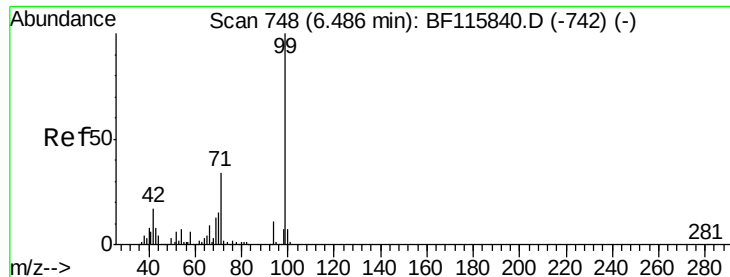
2-Fluorophenol
Concen: 104.112 ng
RT: 5.43 min Scan# 568
Delta R.T. -0.01 min
Lab File: BF116403.D
Acq: 19 Aug 2019 22:22

Tgt Ion:112 Resp: 610100
Ion Ratio Lower Upper
112 100
64 59.4 45.4 68.2
63 30.9 23.7 35.5



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: 110.248 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

Instrument :

BNA_F

ClientSampleId :

SP-5

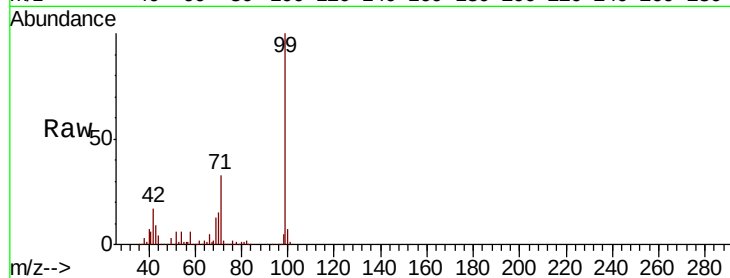
Tgt Ion: 99 Resp: 815116

Ion Ratio Lower Upper

99 100

42 17.0 13.8 20.8

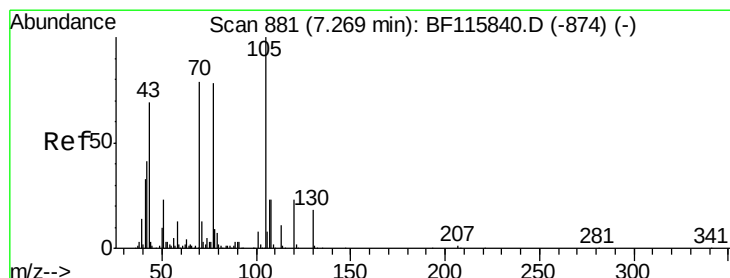
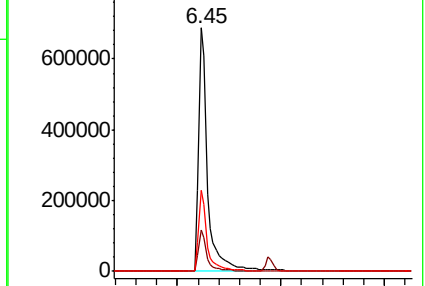
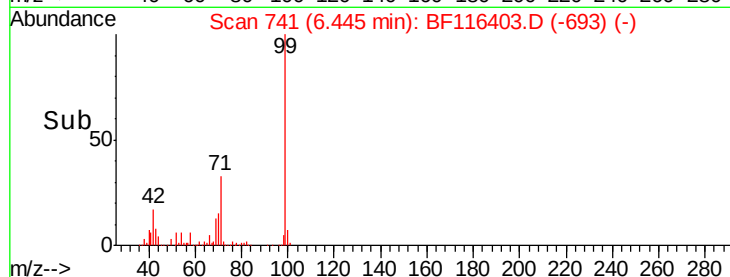
71 33.2 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.366 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

Tgt Ion: 70 Resp: 65817

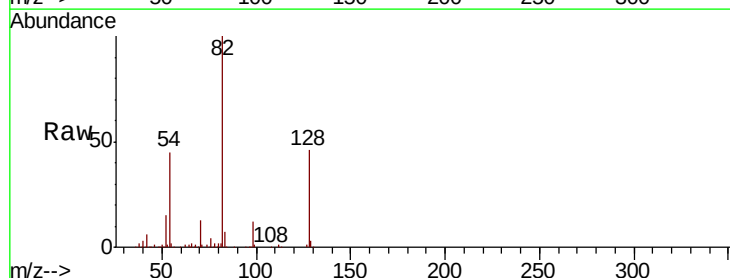
Ion Ratio Lower Upper

70 100

42 42.7 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#

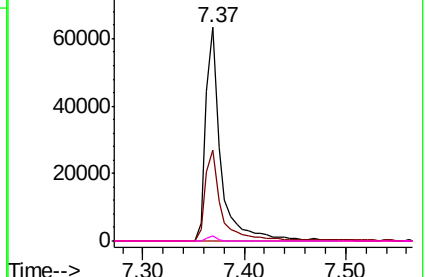
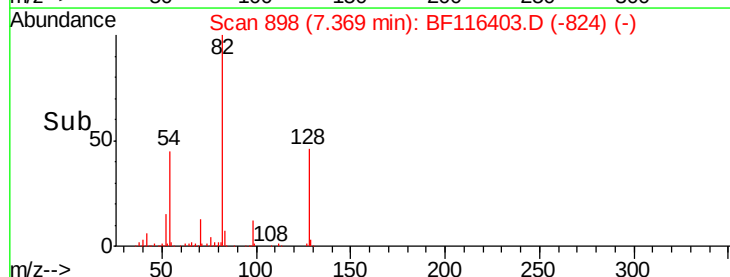


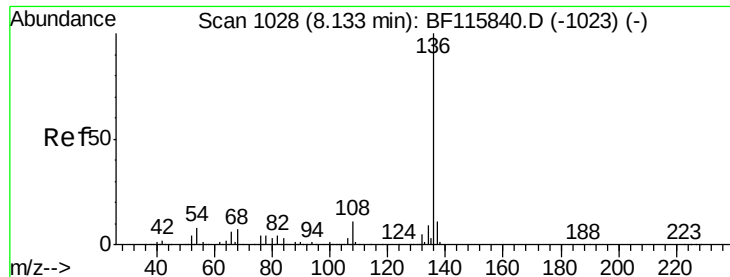
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

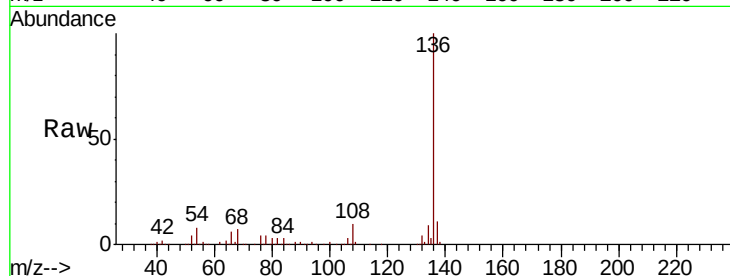




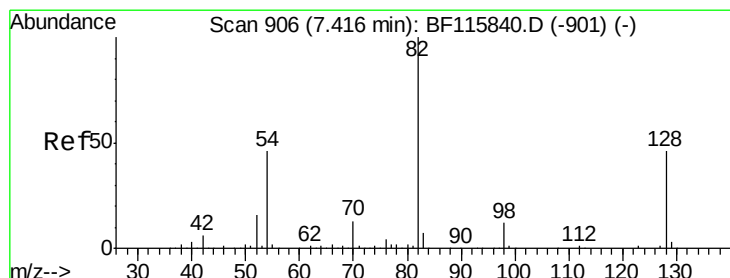
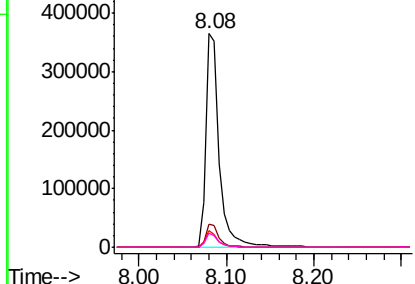
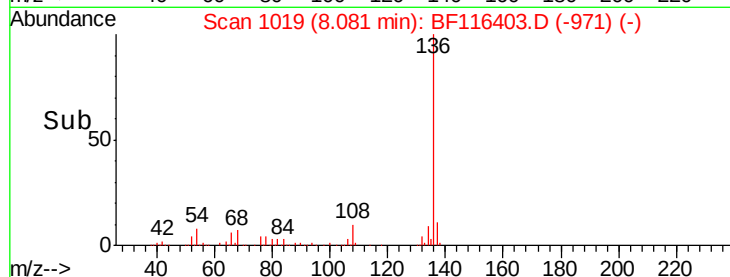
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BF116403.D
Acq: 19 Aug 2019 22:22

Instrument :
BNA_F
ClientSampleId :
SP-5

Tgt Ion:	136	Resp:	388821
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	7.6	5.8	8.6
68	6.6	5.2	7.8

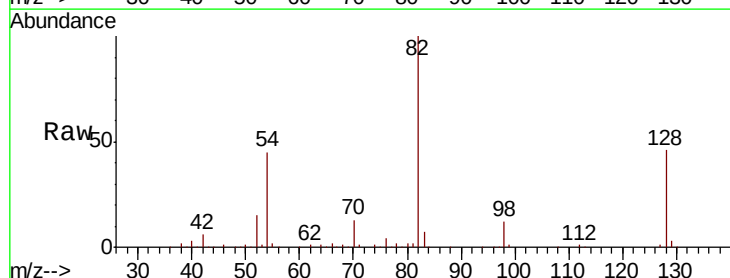


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

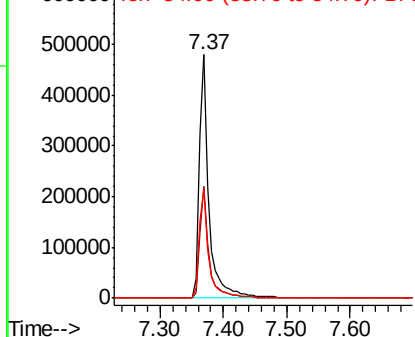
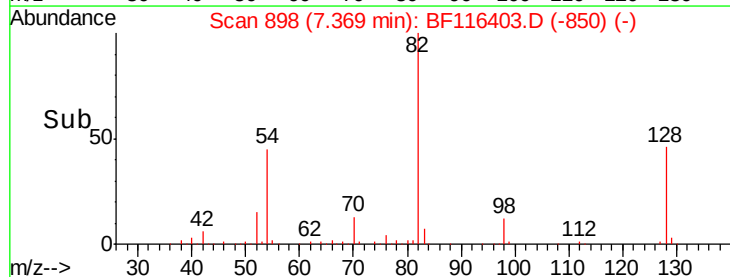


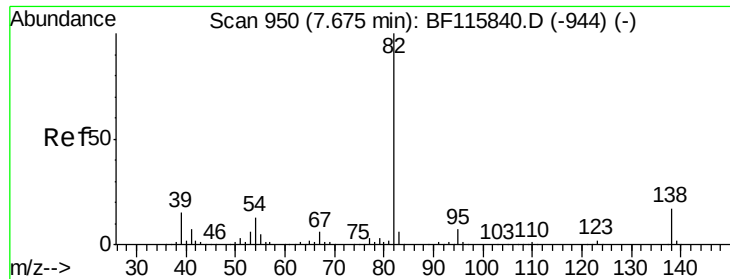
#23
Nitrobenzene-d5
Concen: 74.008 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF116403.D
Acq: 19 Aug 2019 22:22

Tgt Ion:	82	Resp:	498518
Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.5	54.7
54	44.9	36.0	54.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.704 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

Instrument :

BNA_F

ClientSampleId :

SP-5

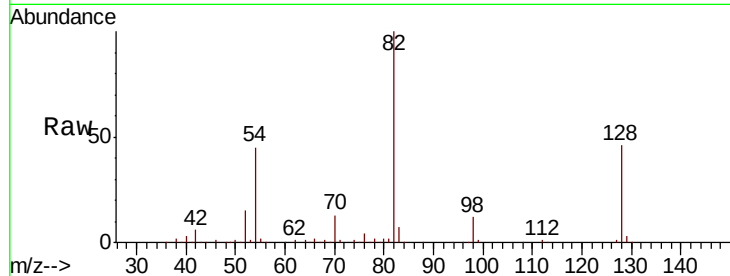
Tgt Ion: 82 Resp: 498518

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

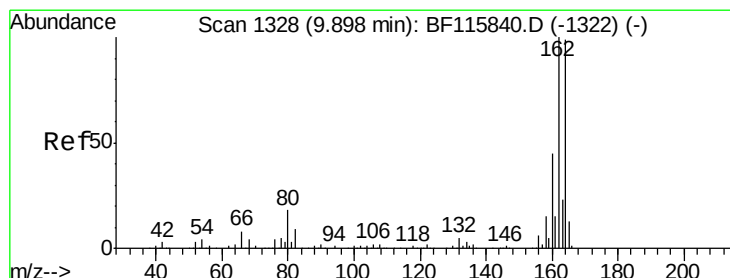
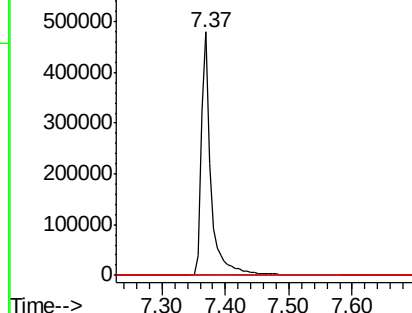
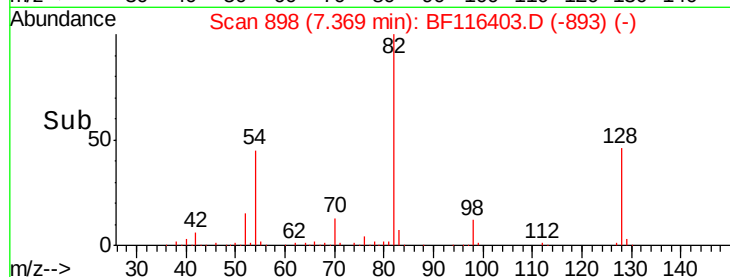
138 0.0 14.5 21.7#



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: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

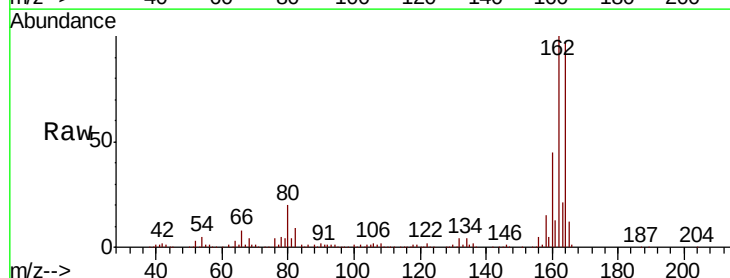
Tgt Ion: 164 Resp: 212955

Ion Ratio Lower Upper

164 100

162 103.2 82.6 124.0

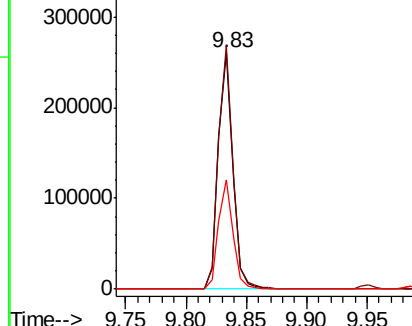
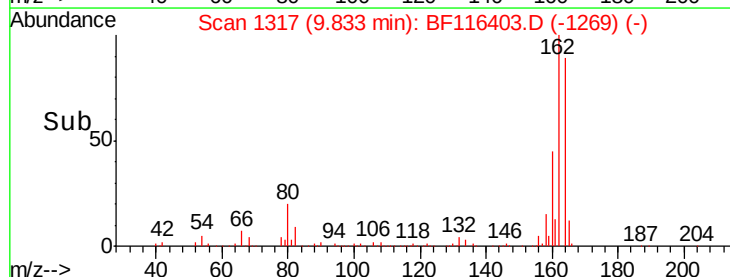
160 46.0 37.6 56.4

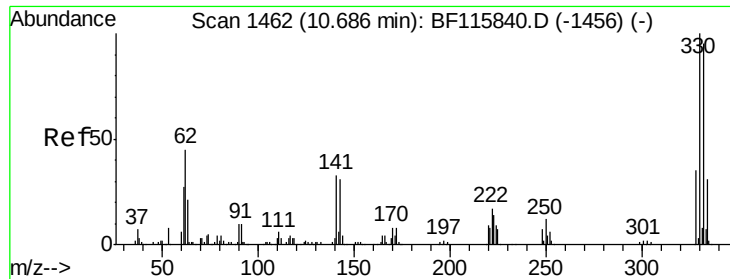


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

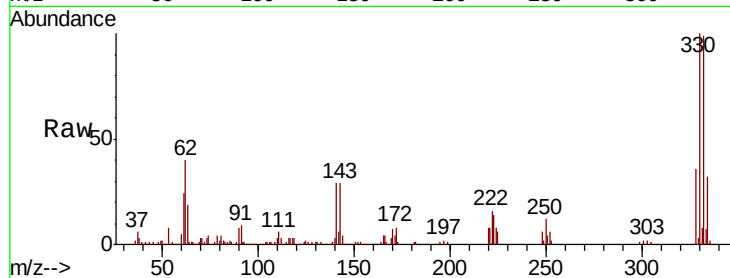




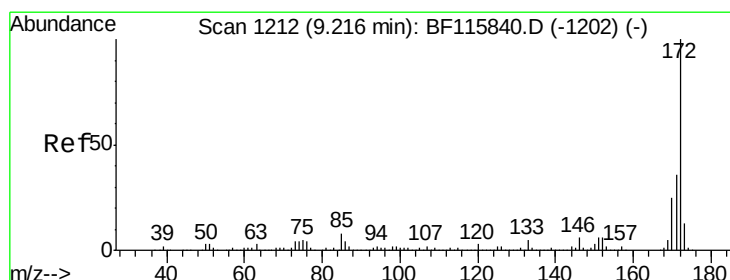
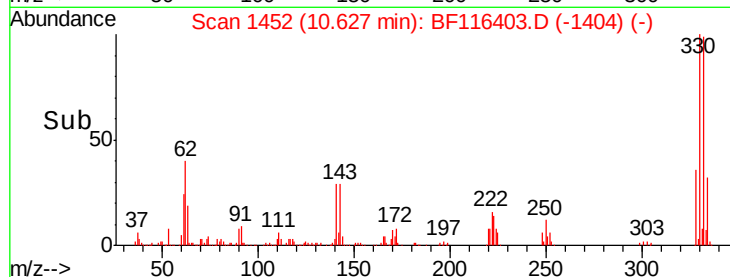
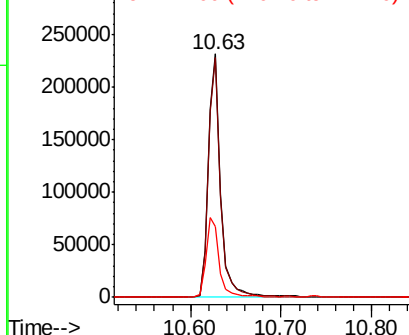
#42
 2,4,6-Tribromophenol
 Concen: 108.711 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BF116403.D
 Acq: 19 Aug 2019 22:22

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Tgt Ion:330 Resp: 224451
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.8 115.2
 141 35.0 26.3 39.5

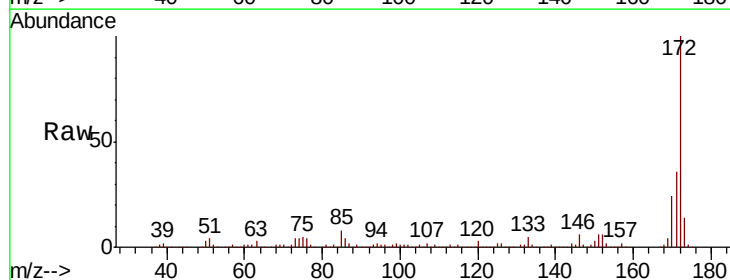


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

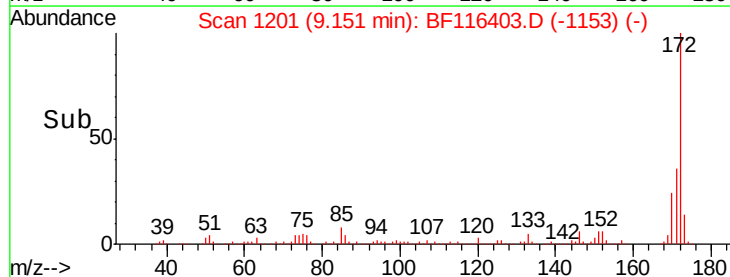
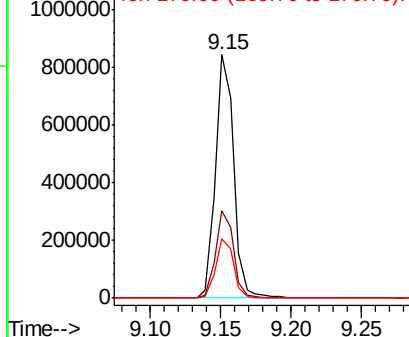


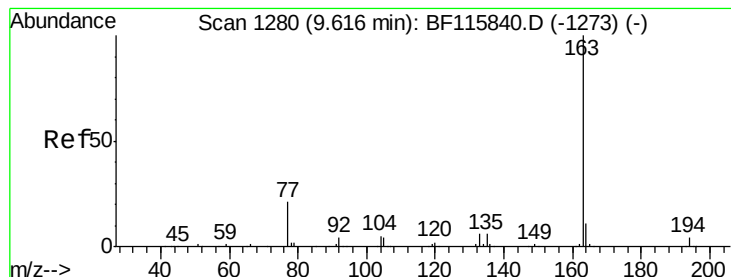
#45
 2-Fluorobiphenyl
 Concen: 66.722 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.02 min
 Lab File: BF116403.D
 Acq: 19 Aug 2019 22:22

Tgt Ion:172 Resp: 758586
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 24.3 20.1 30.1



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: 14.405 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

Instrument :

BNA_F

ClientSampleId :

SP-5

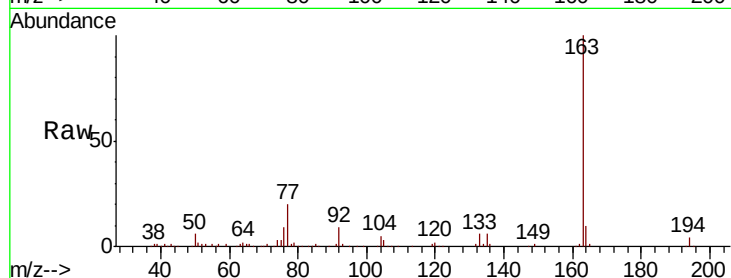
Tgt Ion:163 Resp: 208867

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

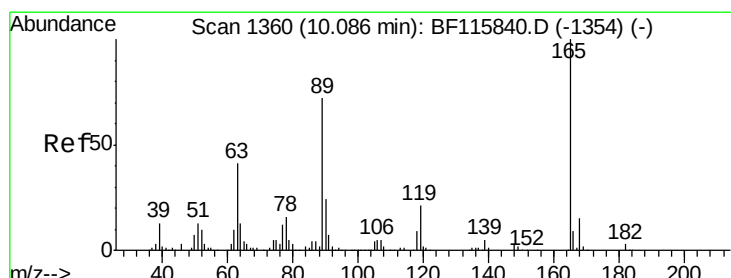
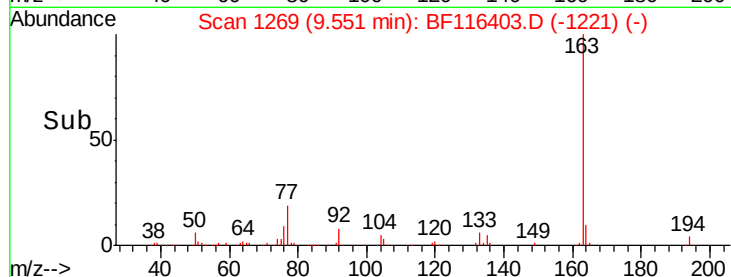
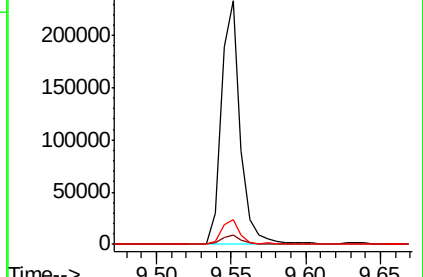
164 9.9 8.4 12.6



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



#57

2,4-Dinitrotoluene

Concen: 6.526 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.22 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

Tgt Ion:165 Resp: 27380

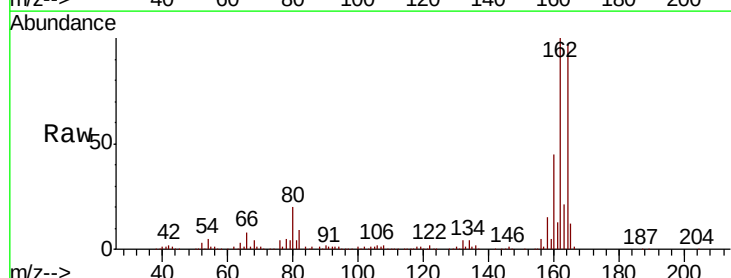
Ion Ratio Lower Upper

165 100

63 1.6 39.6 59.4#

89 1.6 62.2 93.2#

182 0.0 2.1 3.1#

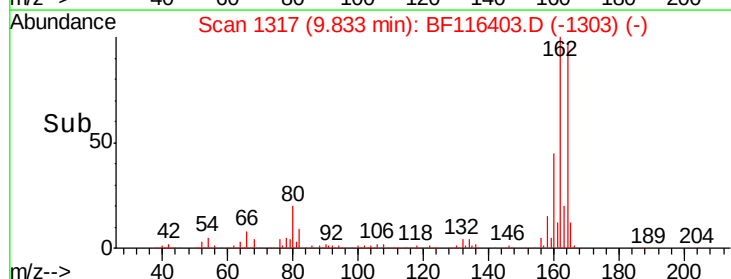
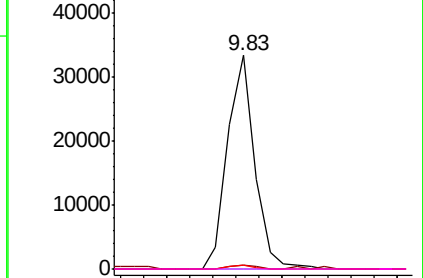


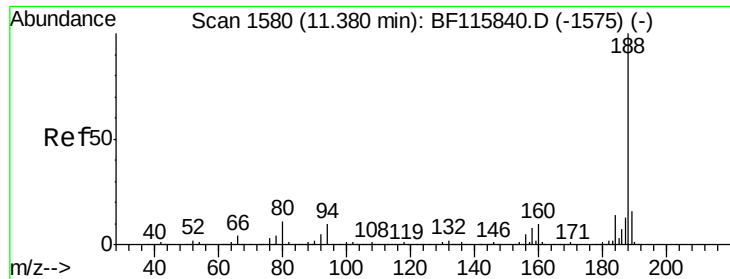
Abundance Ion 165.00 (164.70 to 165.70): E

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

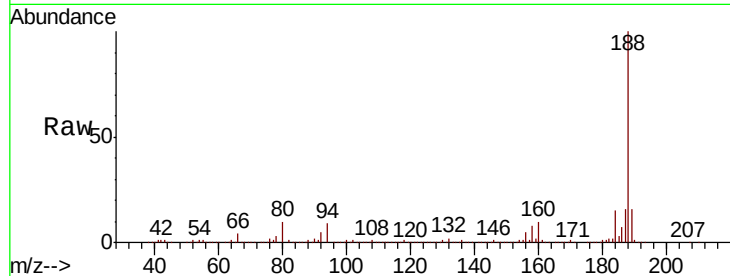




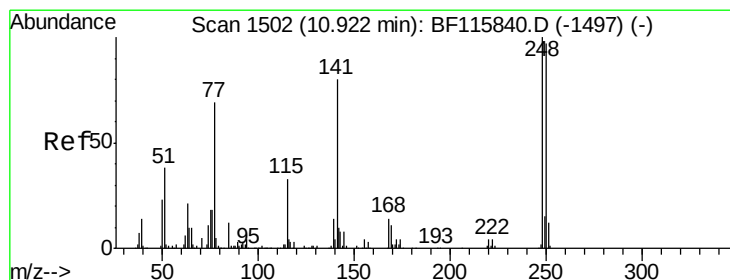
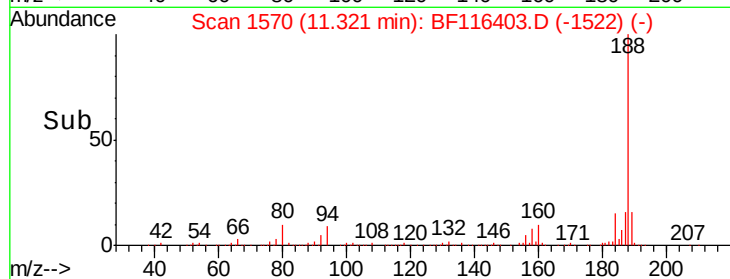
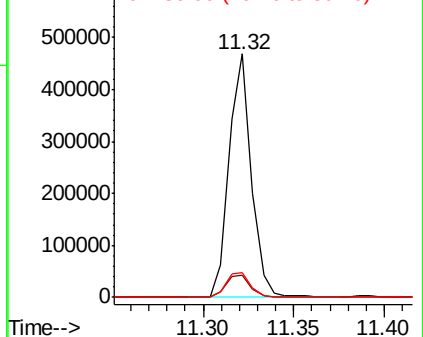
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF116403.D
 Acq: 19 Aug 2019 22:22

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Tgt Ion:	188	Resp:	403774
Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.1	12.1
80	9.9	8.7	13.1

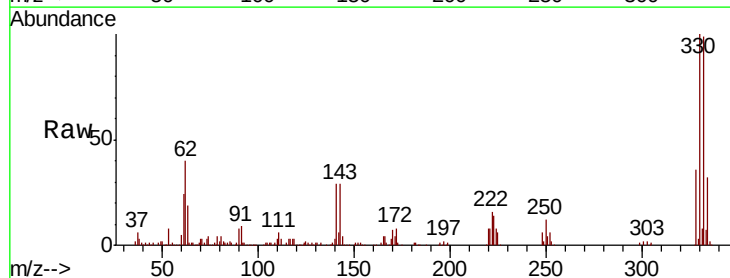


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

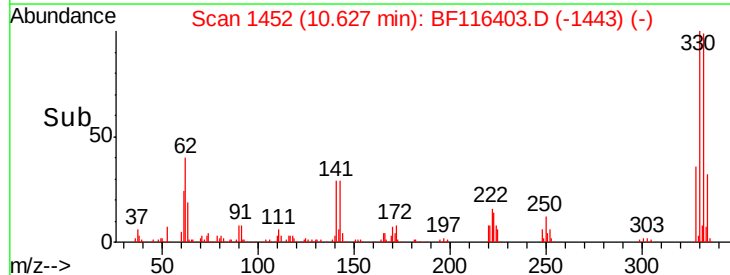
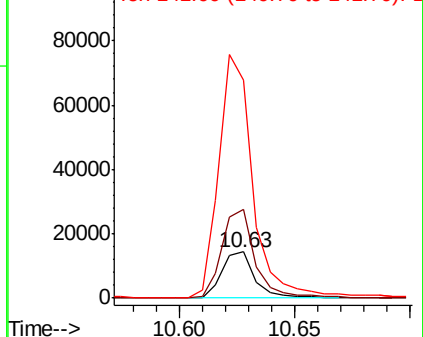


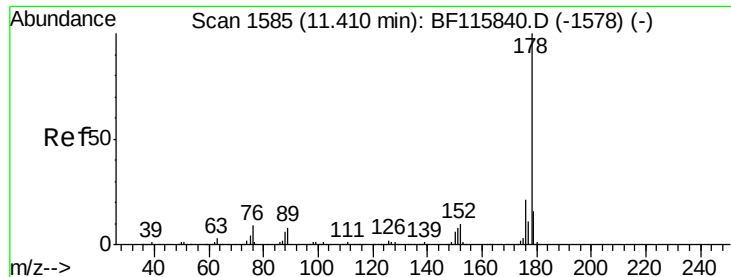
#67
 4-Bromophenyl-phenylether
 Concen: 3.269 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF116403.D
 Acq: 19 Aug 2019 22:22

Tgt Ion:	248	Resp:	14131
Ion	Ratio	Lower	Upper
248	100		
250	192.2	77.4	116.2#
141	469.8	56.8	85.2#



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

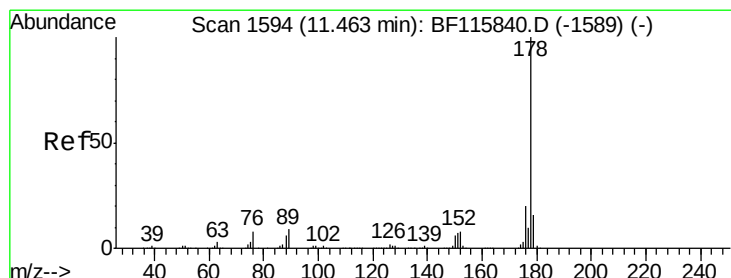
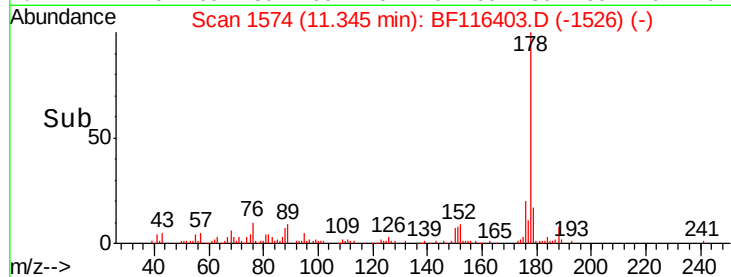
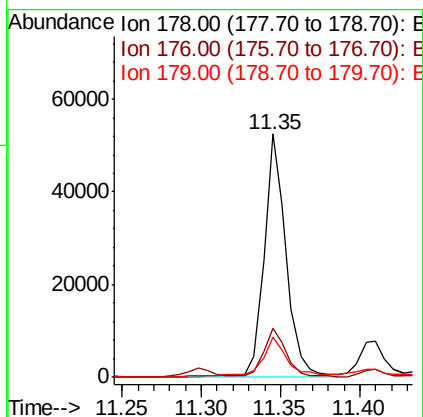
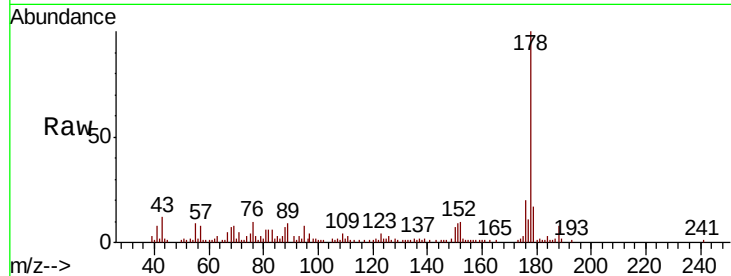




#71
Phenanthrene
Concen: 2.480 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BF116403.D
Acq: 19 Aug 2019 22:22

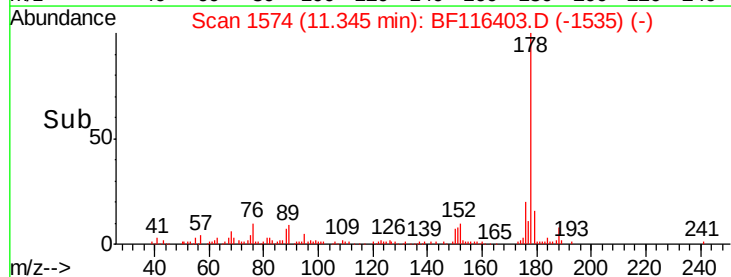
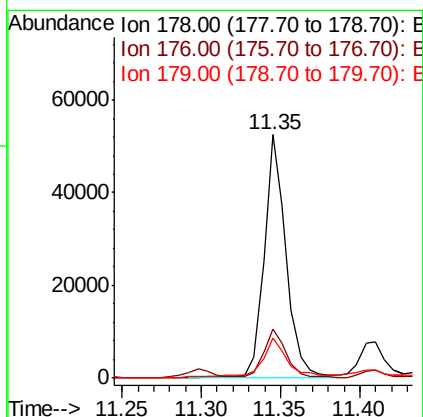
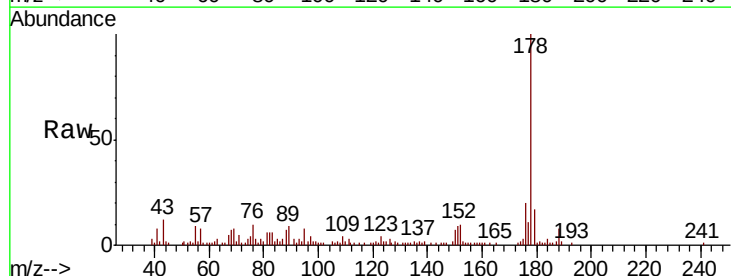
Instrument :
BNA_F
ClientSampleId :
SP-5

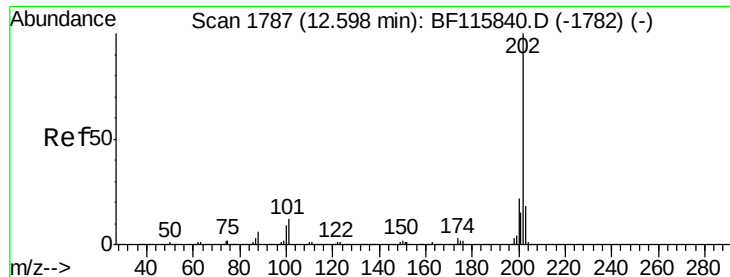
Tgt Ion:178 Resp: 51191
Ion Ratio Lower Upper
178 100
176 20.1 16.6 24.8
179 16.5 12.5 18.7



#72
Anthracene
Concen: 2.450 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.07 min
Lab File: BF116403.D
Acq: 19 Aug 2019 22:22

Tgt Ion:178 Resp: 51191
Ion Ratio Lower Upper
178 100
176 20.1 15.7 23.5
179 16.5 13.0 19.6





#75

Fluoranthene

Concen: 4.451 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

Instrument :

BNA_F

ClientSampleId :

SP-5

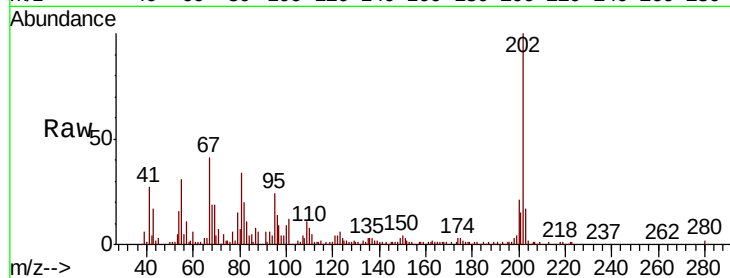
Tgt Ion:202 Resp: 96193

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.2

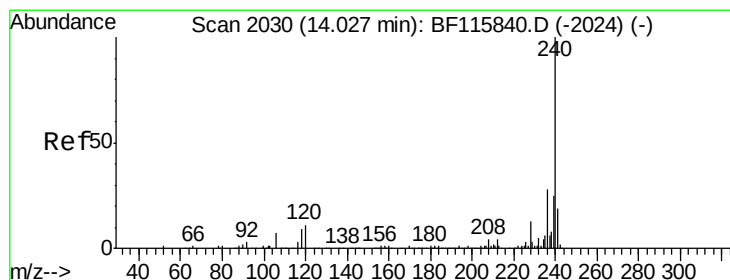
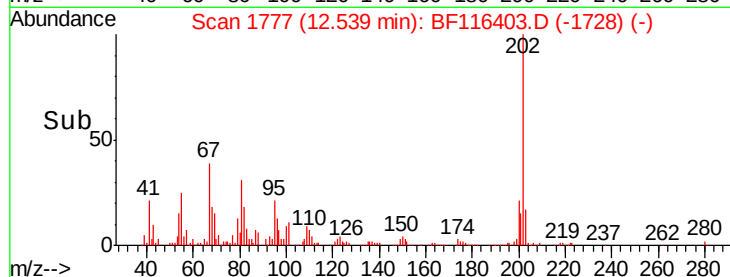
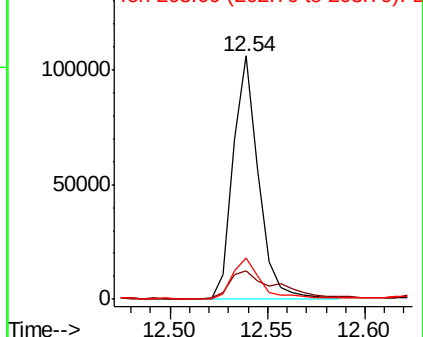
203 17.2 0.0 37.8



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: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

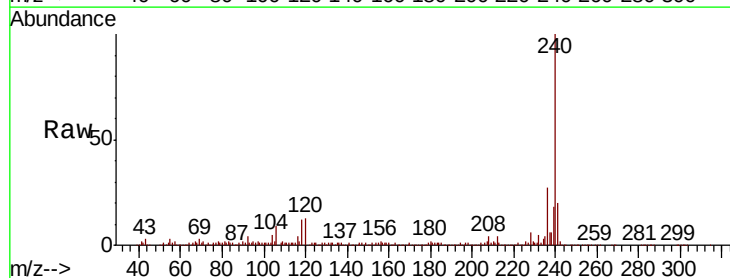
Tgt Ion:240 Resp: 295209

Ion Ratio Lower Upper

240 100

120 13.1 10.7 16.1

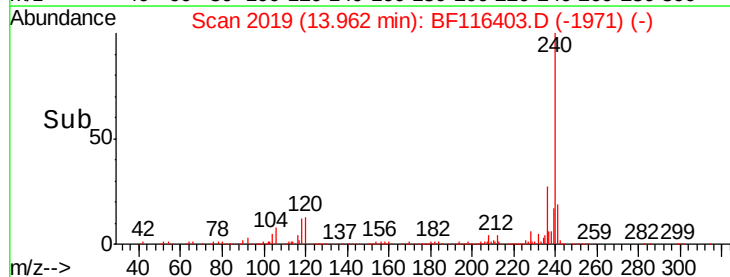
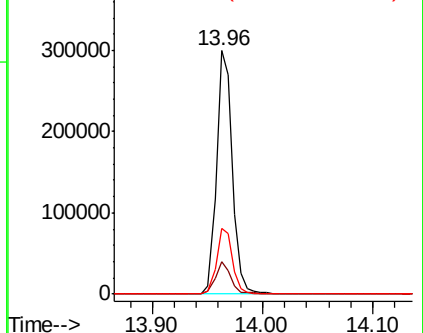
236 26.8 22.2 33.2

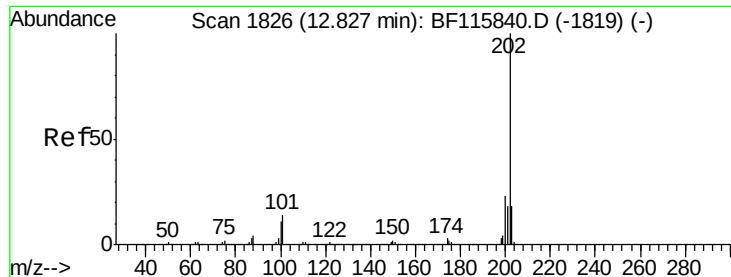


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

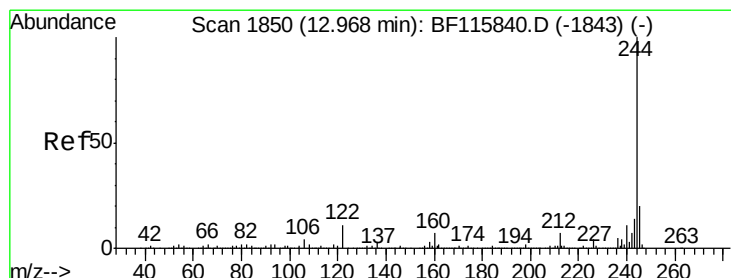
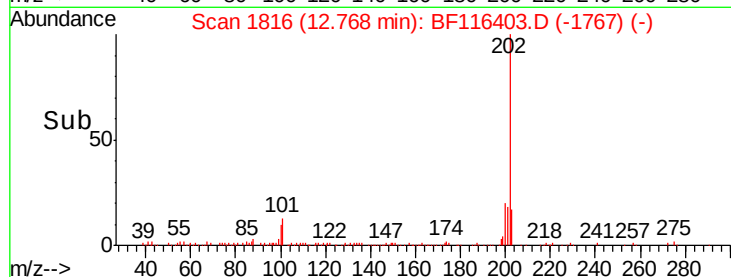
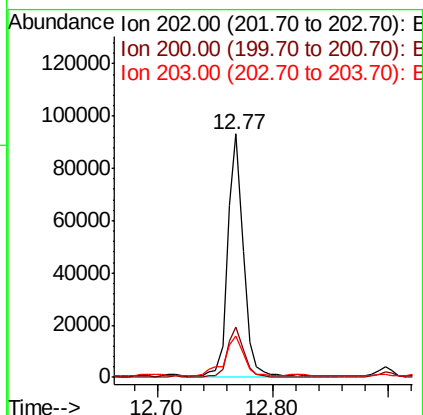
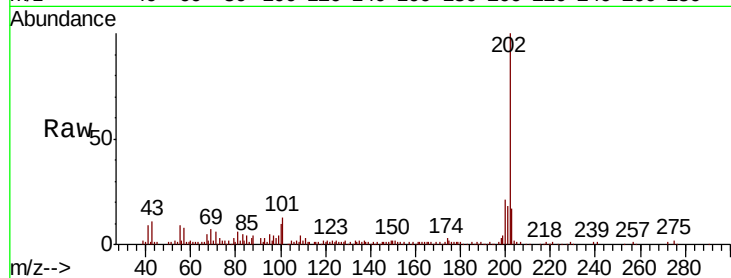




#78
 Pyrene
 Concen: 3.881 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BF116403.D
 Acq: 19 Aug 2019 22:22

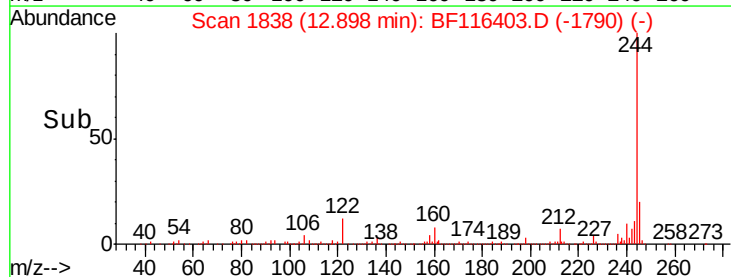
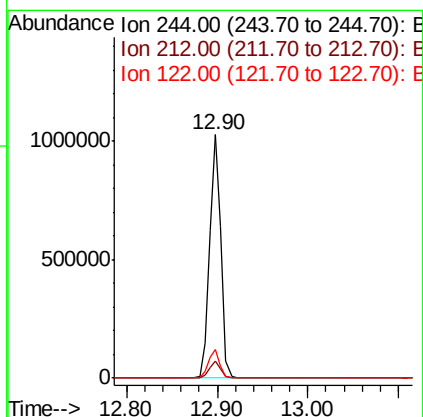
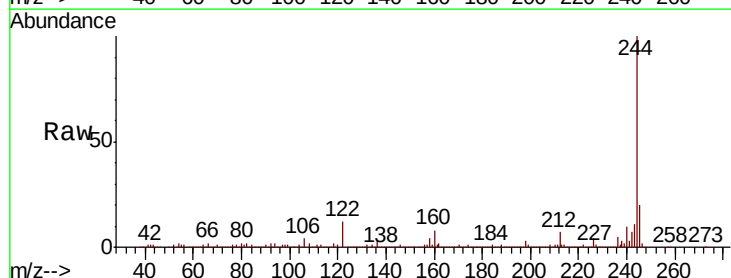
Instrument :
 BNA_F
 ClientSampleId :
 SP-5

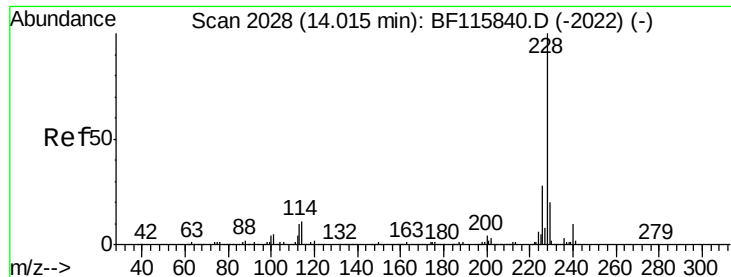
Tgt Ion:	202	Resp:	86375
Ion	Ratio	Lower	Upper
202	100		
200	20.7	18.0	27.0
203	17.2	14.1	21.1



#79
 Terphenyl-d14
 Concen: 64.261 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.02 min
 Lab File: BF116403.D
 Acq: 19 Aug 2019 22:22

Tgt Ion:	244	Resp:	900275
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	11.7	9.0	13.4





#81

Benzo(a)anthracene

Concen: 2.020 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.02 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

Instrument :

BNA_F

ClientSampled :

SP-5

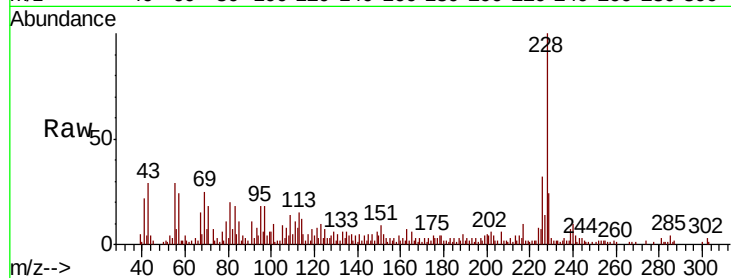
Tgt Ion:228 Resp: 38123

Ion Ratio Lower Upper

228 100

226 32.0 22.7 34.1

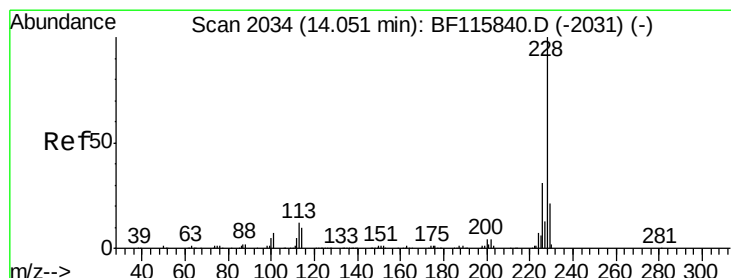
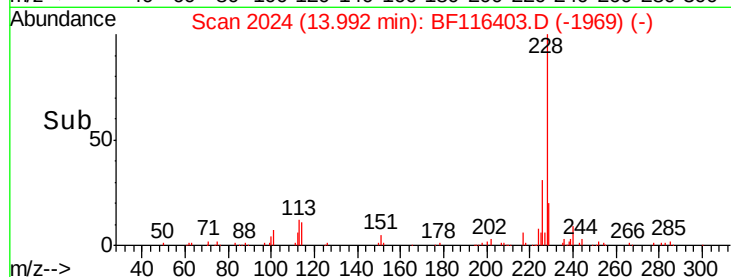
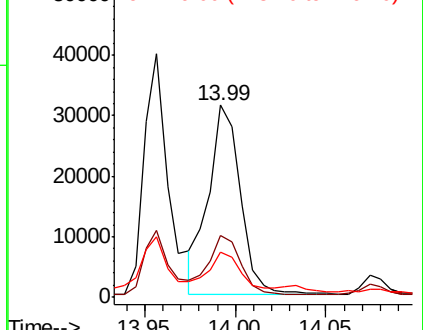
229 23.6 16.2 24.4



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: 2.081 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

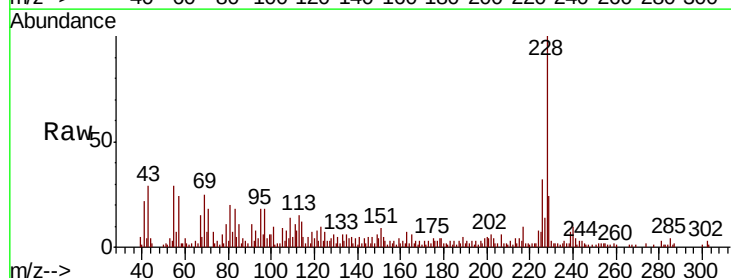
Tgt Ion:228 Resp: 38123

Ion Ratio Lower Upper

228 100

226 32.0 25.5 38.3

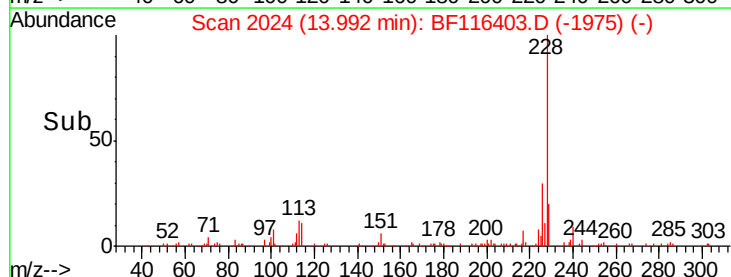
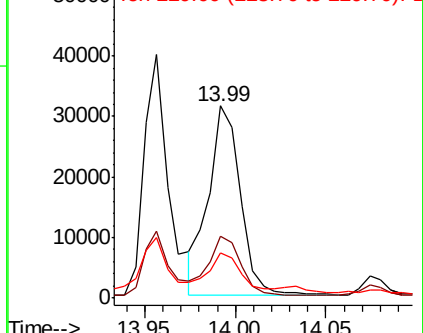
229 23.6 16.6 24.8

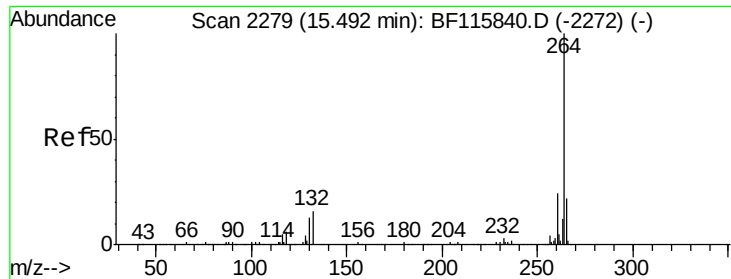


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

Instrument :

BNA_F

ClientSampleId :

SP-5

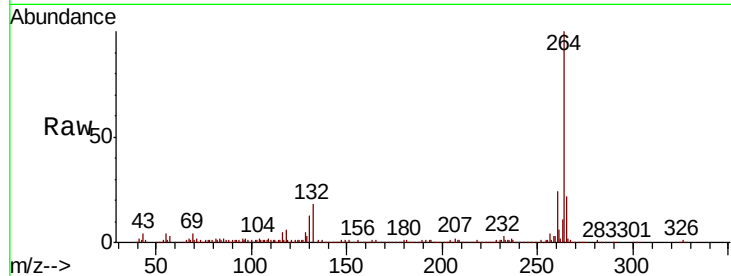
Tgt Ion:264 Resp: 293951

Ion Ratio Lower Upper

264 100

260 23.7 19.7 29.5

265 21.5 17.4 26.0

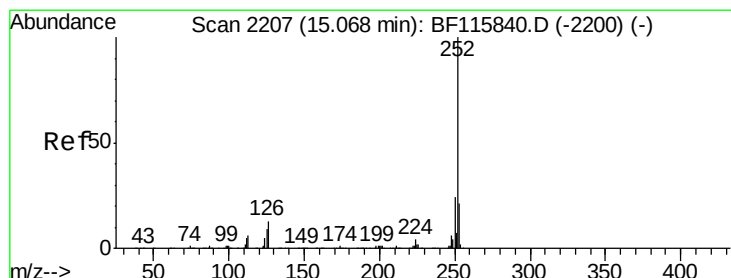
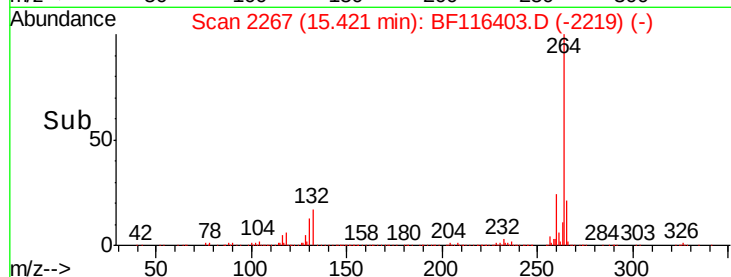
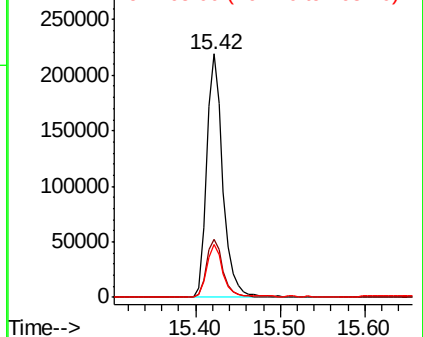


Abundance

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: 3.347 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

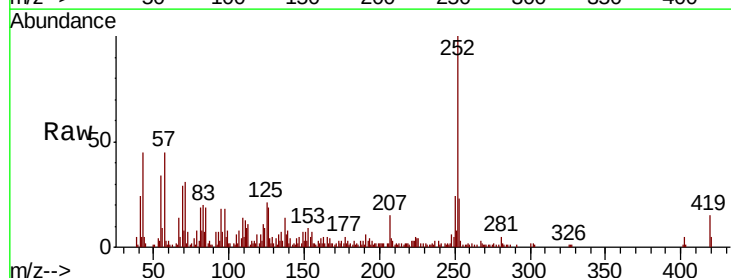
Tgt Ion:252 Resp: 56887

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 21.2 8.4 12.6#

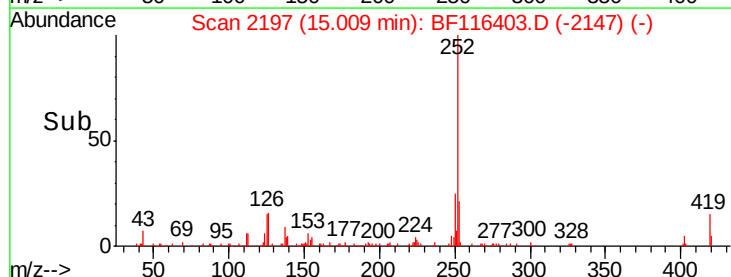
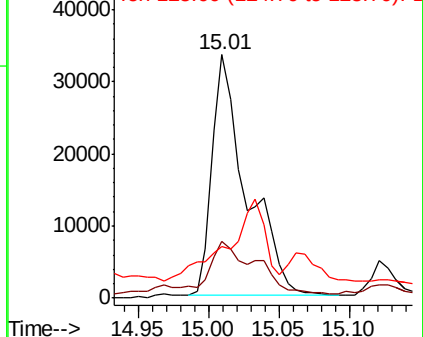


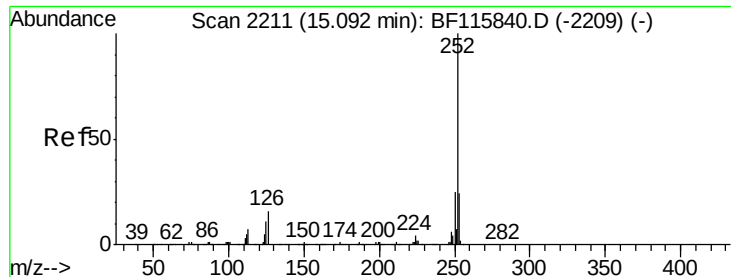
Abundance

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: 3.436 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.03 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

Instrument :

BNA_F

ClientSampleId :

SP-5

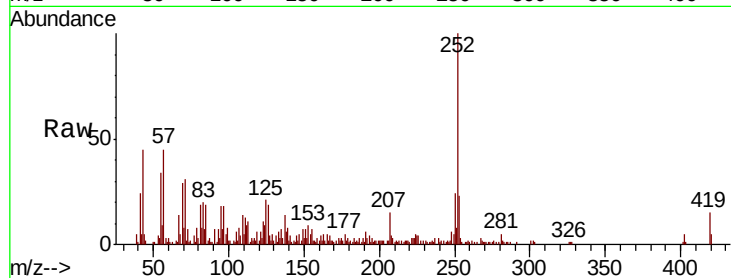
Tgt Ion:252 Resp: 56887

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 21.2 7.7 11.5#



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

