

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081919\
 Data File : BF116387.D
 Acq On : 19 Aug 2019 14:03
 Operator : HP/JU
 Sample : K4223-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Quant Time: Aug 19 16:17:35 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

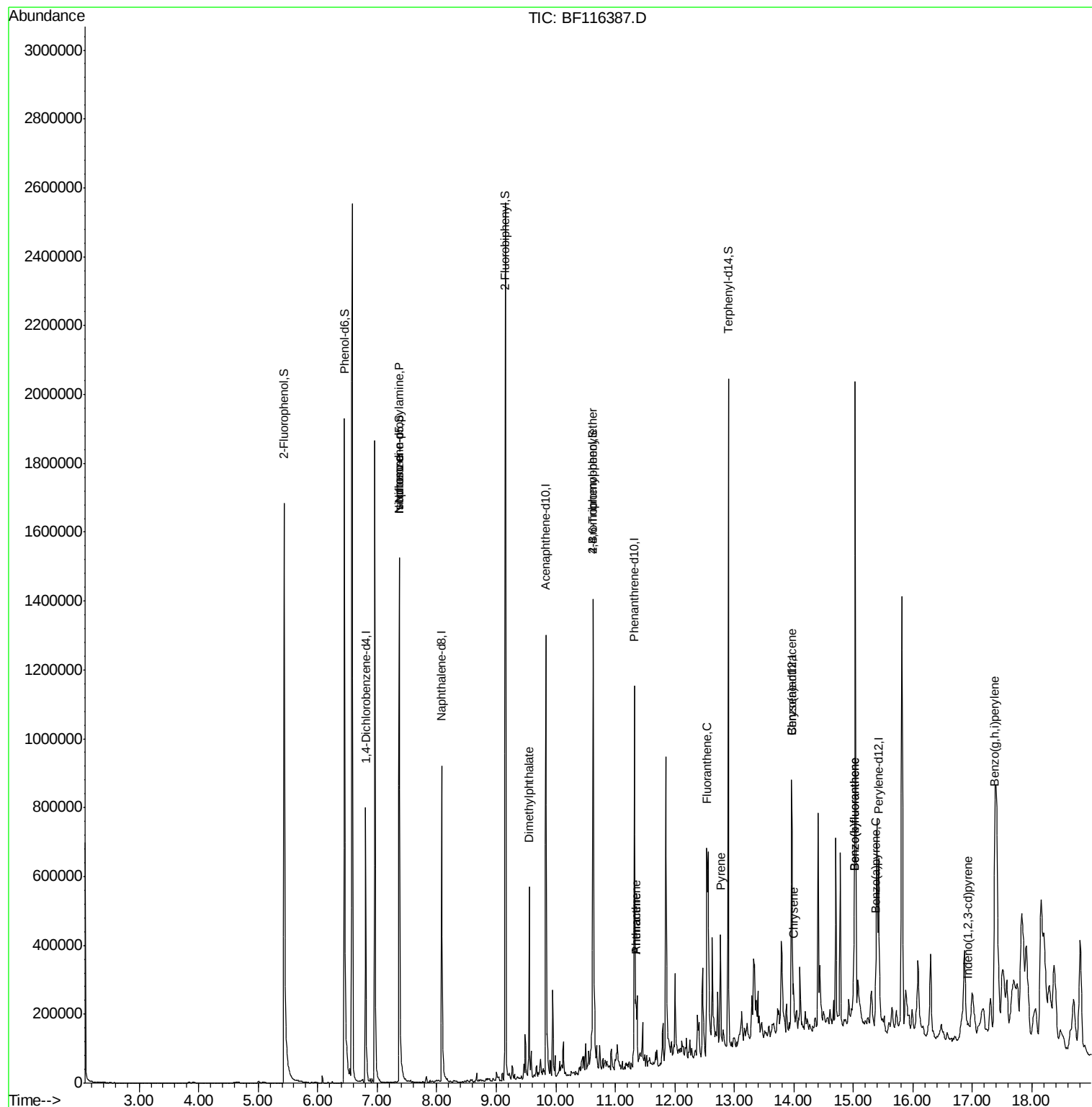
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	126184	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	485620	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	245405	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	365149	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	223934	20.00	ng	-0.02
87) Perylene-d12	15.42	264	244697	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	671829	89.13	ng	0.00
7) Phenol-d6	6.45	99	868741	91.35	ng	-0.01
23) Nitrobenzene-d5	7.37	82	549326	65.30	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	182002	76.49	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	821448	62.70	ng	-0.01
79) Terphenyl-d14	12.90	244	604228	56.86	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	72080	12.231	ng	Qvalue # 79
25) Isophorone	7.37	82	549326	34.148	ng	# 65
50) Dimethylphthalate	9.55	163	213258	12.763	ng	99
67) 4-Bromophenyl-phenylether	10.63	248	11089	2.837	ng	# 1
71) Phenanthrene	11.35	178	62786	3.363	ng	99
72) Anthracene	11.35	178	62786	3.323	ng	99
75) Fluoranthene	12.54	202	142288	7.281	ng	98
78) Pyrene	12.77	202	116261	6.887	ng	98
81) Benzo(a)anthracene	13.96	228	62450	4.363	ng	98
83) Chrysene	13.99	228	60505	4.354	ng	99
86) Indeno(1,2,3-cd)pyrene	16.92	276	34244	2.934	ng	# 90
88) Benzo(b)fluoranthene	15.01	252	106247	7.509	ng	# 94
89) Benzo(k)fluoranthene	15.01	252	106247	7.710	ng	# 93
90) Benzo(a)pyrene	15.37	252	53329	4.216	ng	# 96
92) Benzo(g,h,i)perylene	17.37	276	30625	2.848	ng	# 81

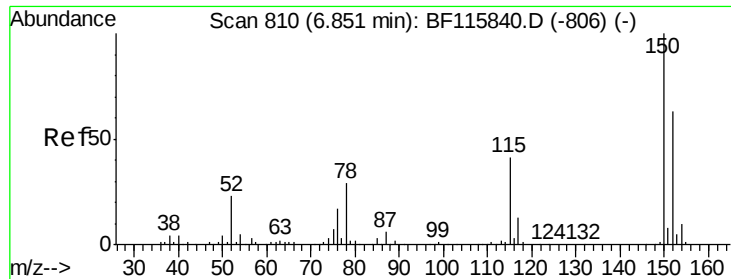
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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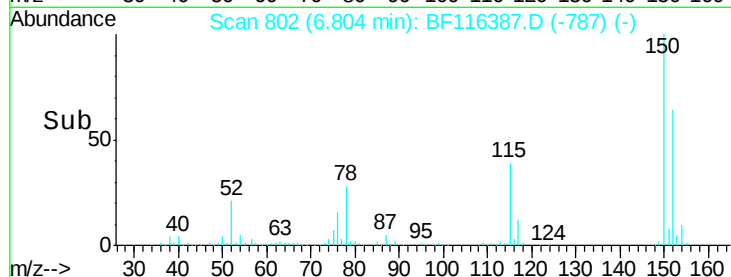
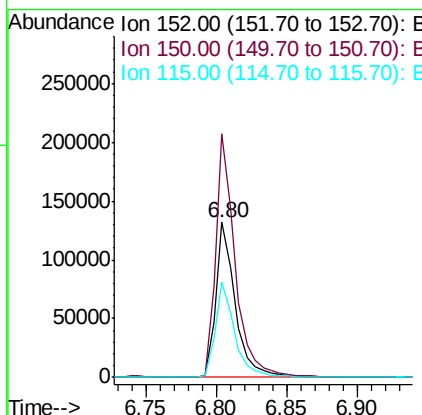
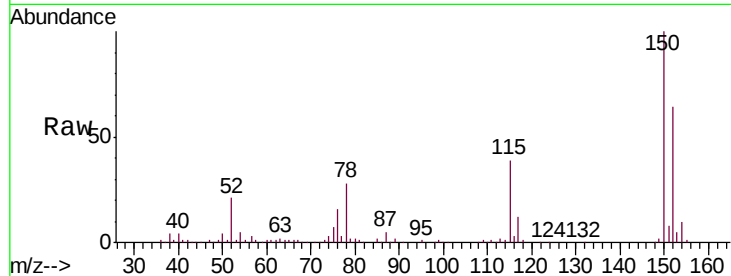


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116387.D
Acq: 19 Aug 2019 14:03

Instrument :
BNA_F
ClientSampled :
SP-4

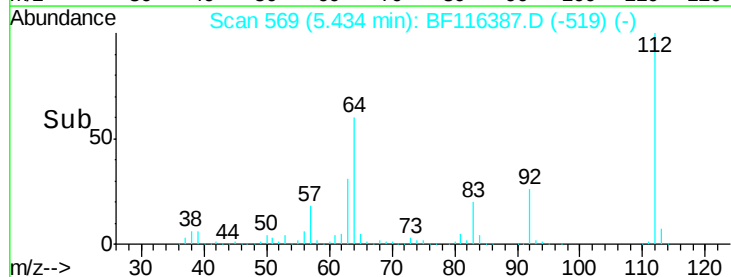
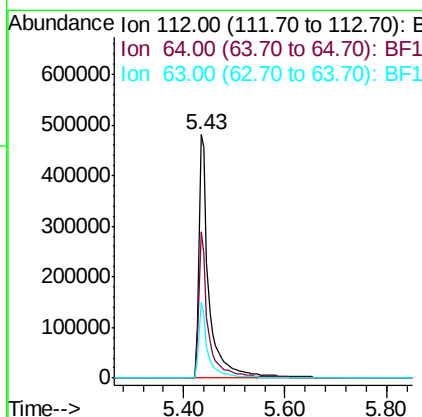
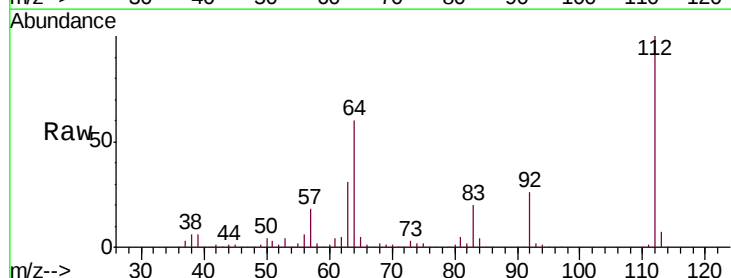
Tgt Ion:152 Resp: 126184
Ion Ratio Lower Upper
152 100
150 157.4 126.2 189.2
115 61.4 49.9 74.9

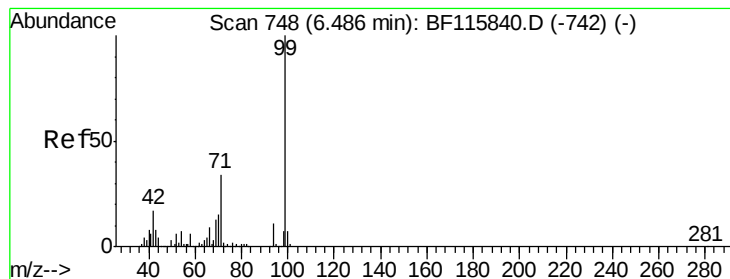


#5

2-Fluorophenol
Concen: 89.130 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF116387.D
Acq: 19 Aug 2019 14:03

Tgt Ion:112 Resp: 671829
Ion Ratio Lower Upper
112 100
64 60.0 45.4 68.2
63 31.3 23.7 35.5





#7

Phenol-d6

Concen: 91.350 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF116387.D

Acq: 19 Aug 2019 14:03

Instrument :

BNA_F

ClientSampleId :

SP-4

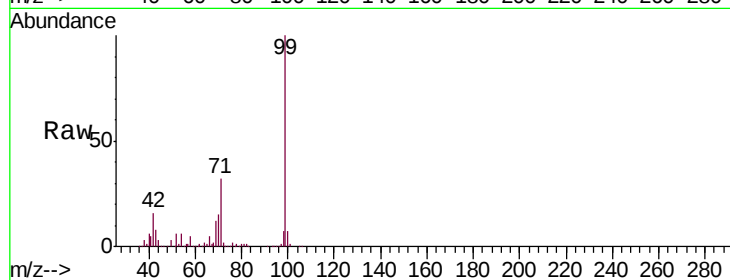
Tgt Ion: 99 Resp: 868741

Ion Ratio Lower Upper

99 100

42 15.6 13.8 20.8

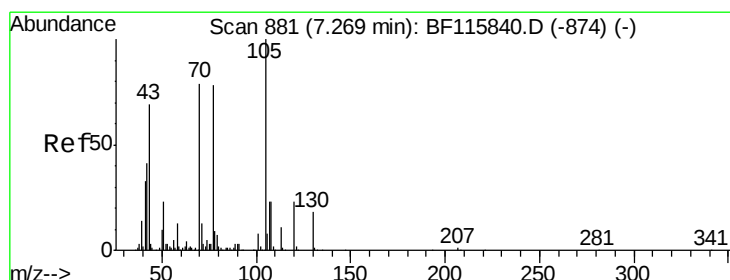
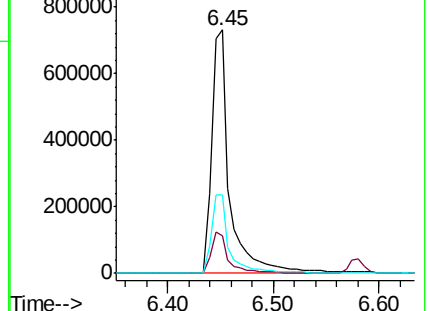
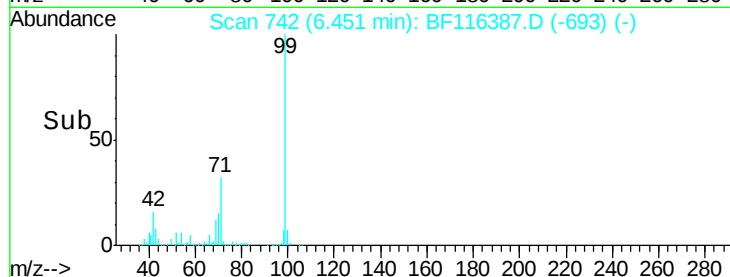
71 32.0 27.3 40.9



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: 12.231 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF116387.D

Acq: 19 Aug 2019 14:03

Tgt Ion: 70 Resp: 72080

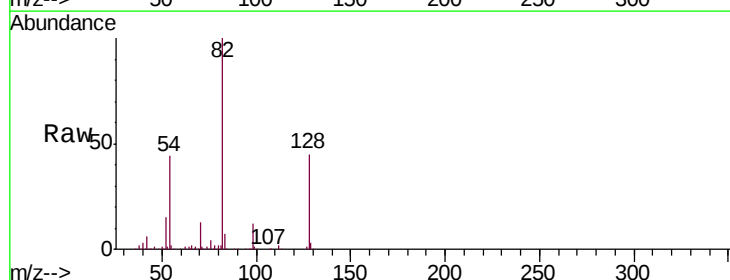
Ion Ratio Lower Upper

70 100

42 43.2 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#

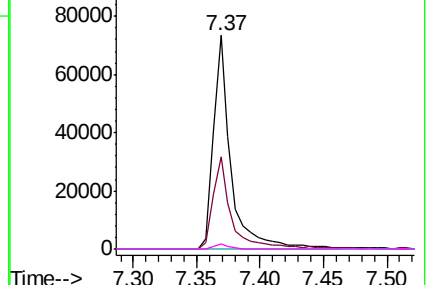
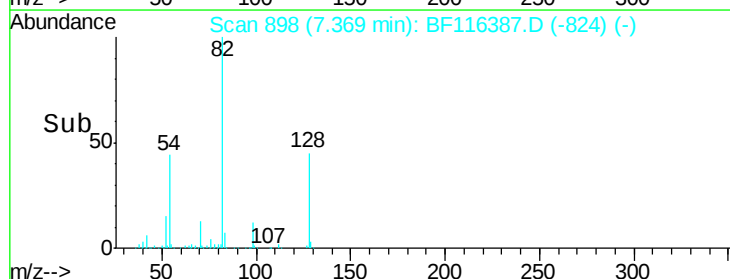


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

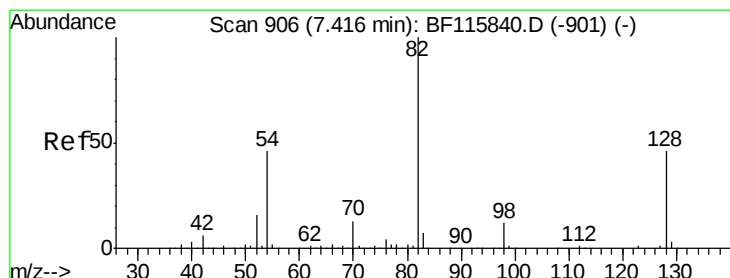
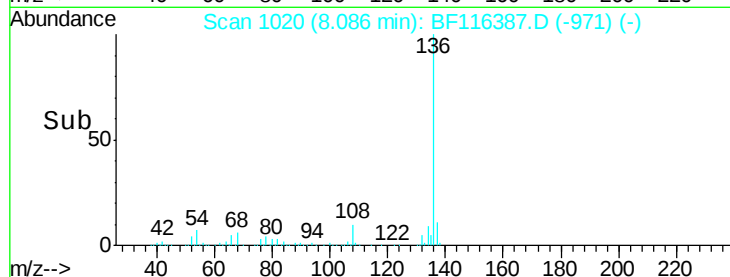
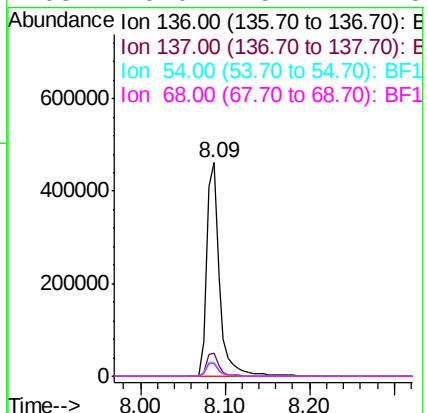
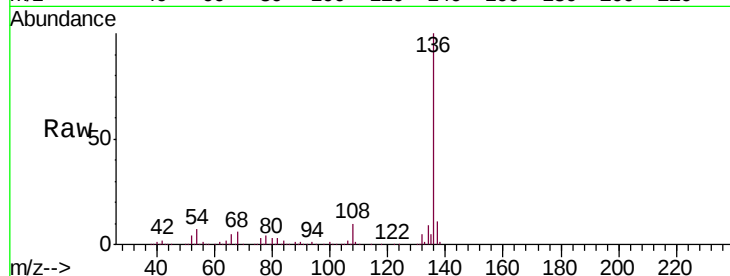




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF116387.D
Acq: 19 Aug 2019 14:03

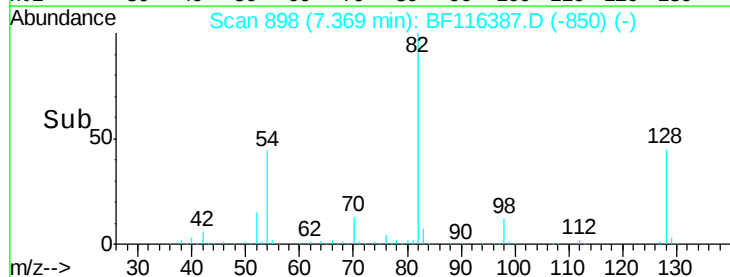
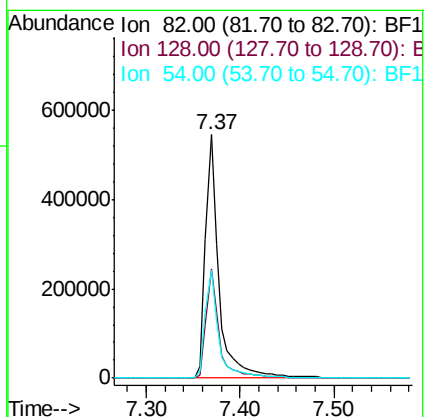
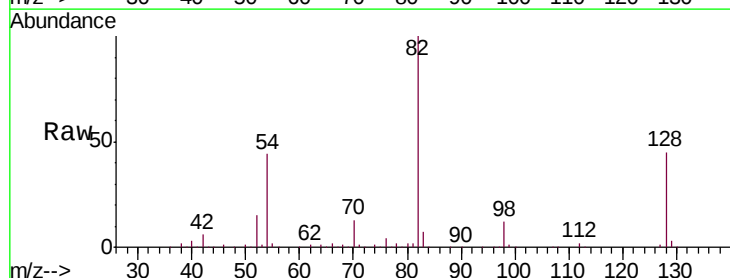
Instrument :
BNA_F
ClientSampleId :
SP-4

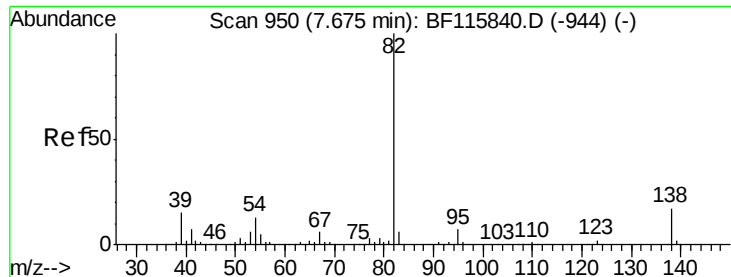
Tgt Ion:	136	Resp:	485620
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.6	5.8	8.6
68	6.0	5.2	7.8



#23
Nitrobenzene-d5
Concen: 65.295 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF116387.D
Acq: 19 Aug 2019 14:03

Tgt Ion:	82	Resp:	549326
Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.5	54.7
54	44.2	36.0	54.0





#25

Isophorone

Concen: 34.148 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF116387.D

Acq: 19 Aug 2019 14:03

Instrument :

BNA_F

ClientSampleId :

SP-4

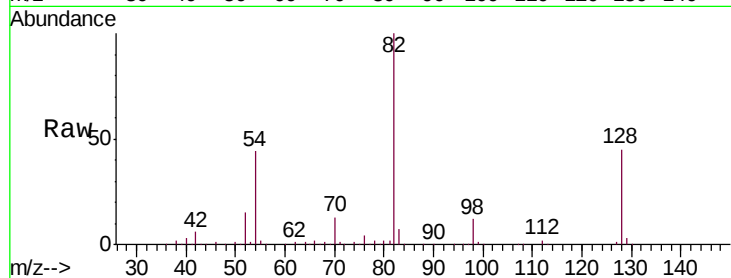
Tgt Ion: 82 Resp: 549326

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

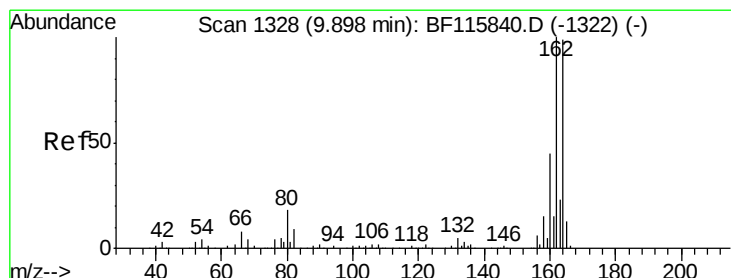
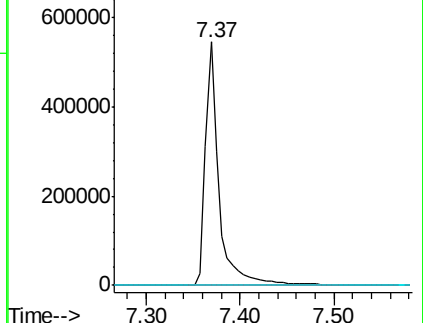
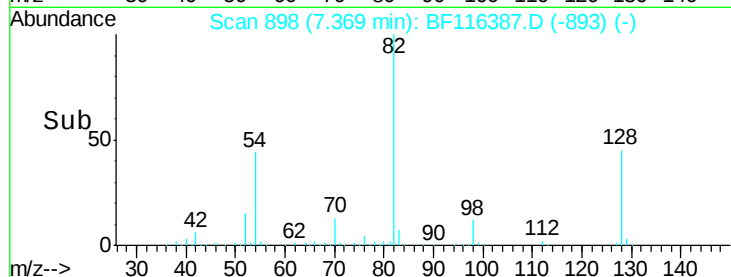
138 0.0 14.5 21.7#



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: BF116387.D

Acq: 19 Aug 2019 14:03

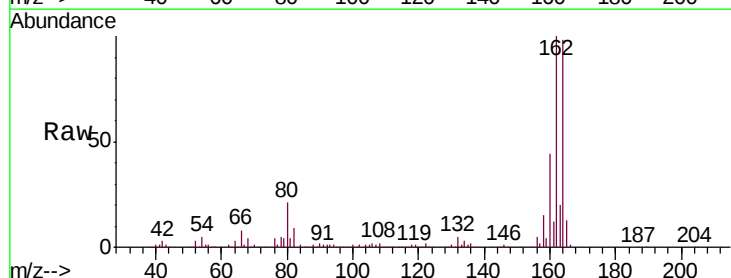
Tgt Ion: 164 Resp: 245405

Ion Ratio Lower Upper

164 100

162 101.8 82.6 124.0

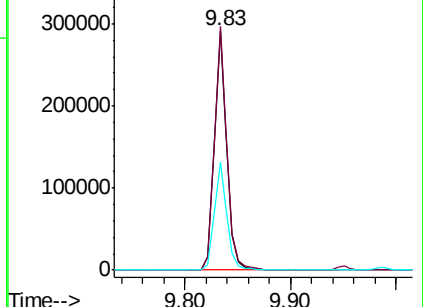
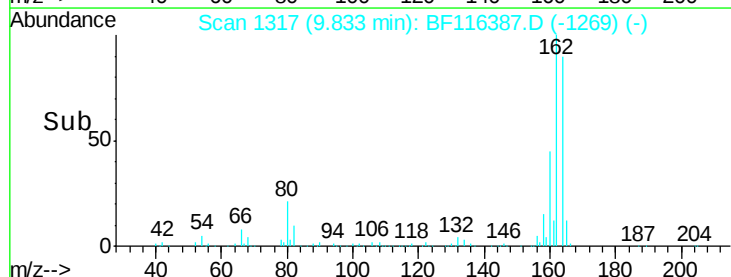
160 45.2 37.6 56.4



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

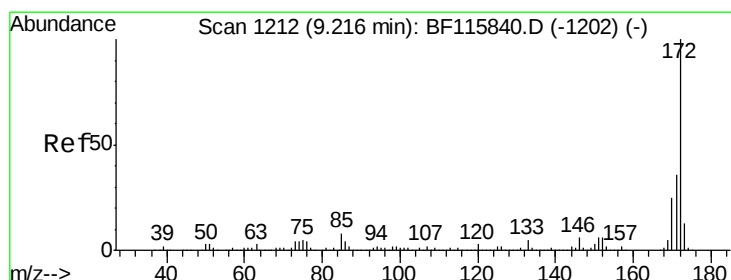
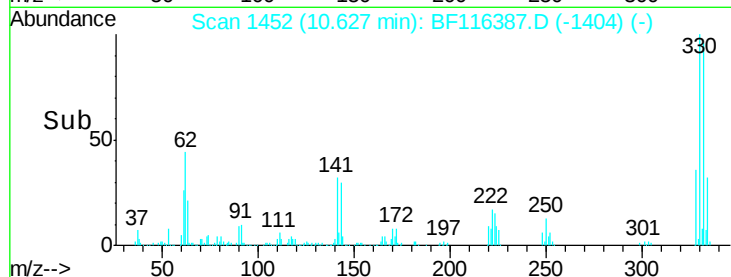
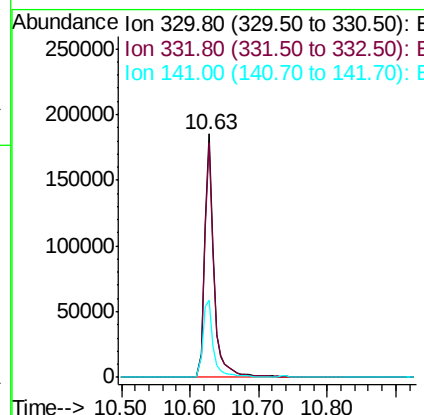
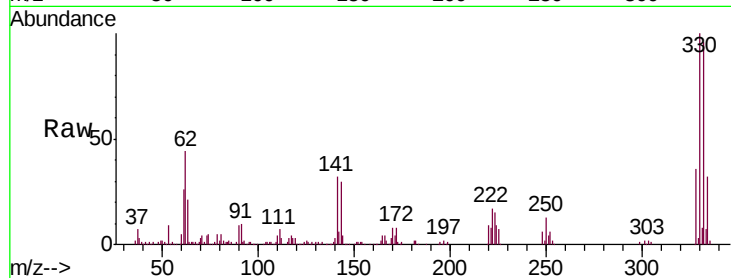




#42
 2,4,6-Tribromophenol
 Concen: 76.495 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BF116387.D
 Acq: 19 Aug 2019 14:03

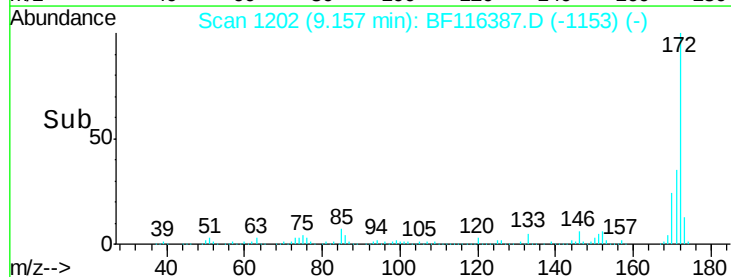
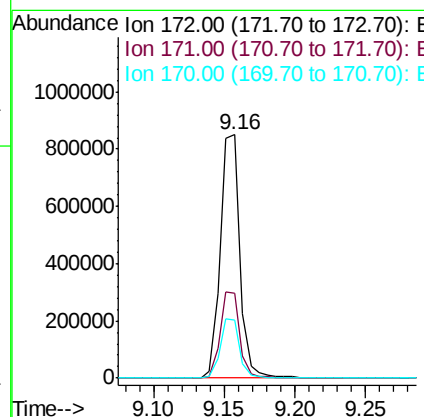
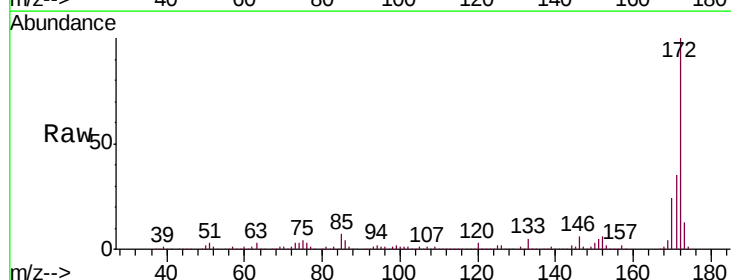
Instrument :
 BNA_F
 ClientSampled :
 SP-4

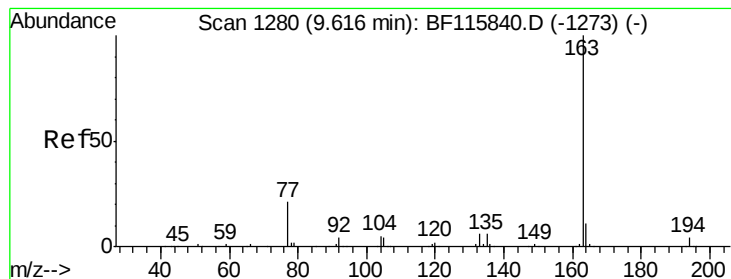
Tgt Ion: 330 Resp: 182002
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.8 115.2
 141 35.4 26.3 39.5



#45
 2-Fluorobiphenyl
 Concen: 62.698 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF116387.D
 Acq: 19 Aug 2019 14:03

Tgt Ion: 172 Resp: 821448
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.6 44.4
 170 23.7 20.1 30.1





#50

Dimethylphthalate

Concen: 12.763 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF116387.D

Acq: 19 Aug 2019 14:03

Instrument :

BNA_F

ClientSampleId :

SP-4

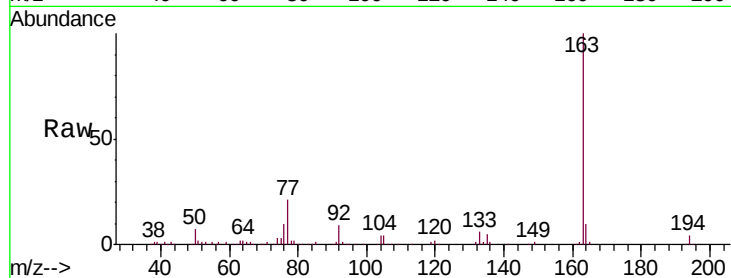
Tgt Ion:163 Resp: 213258

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 9.9 8.4 12.6



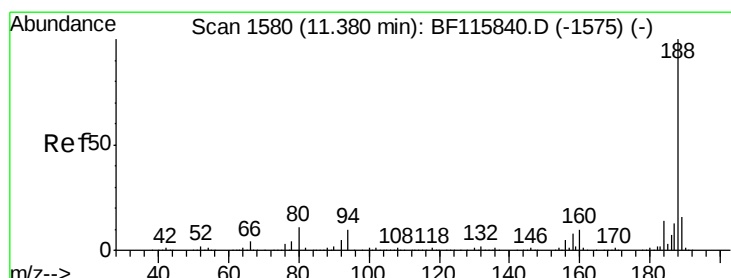
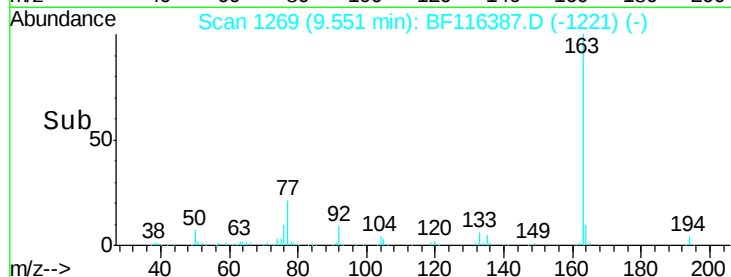
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

9.55

Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF116387.D

Acq: 19 Aug 2019 14:03

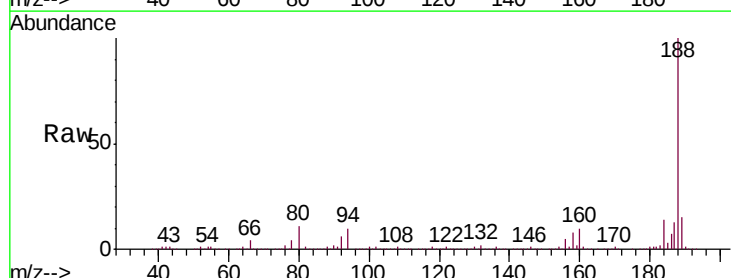
Tgt Ion:188 Resp: 365149

Ion Ratio Lower Upper

188 100

94 10.3 8.1 12.1

80 10.7 8.7 13.1



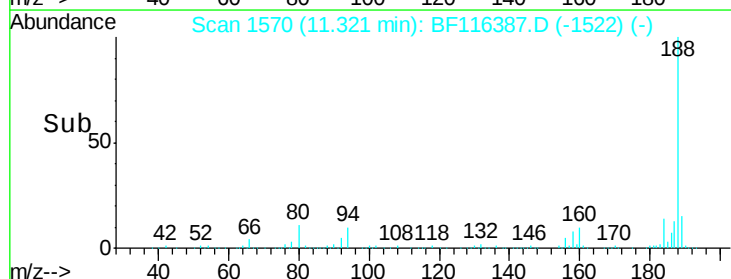
Abundance Ion 188.00 (187.70 to 188.70): E

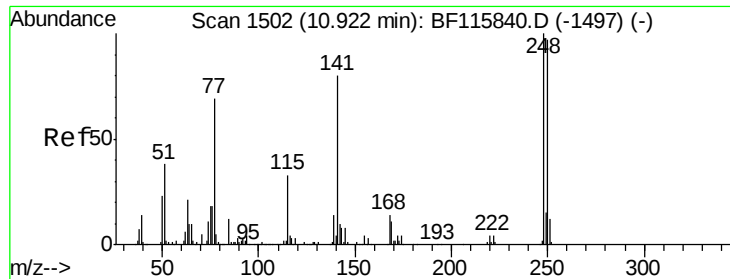
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

11.32

Time-->

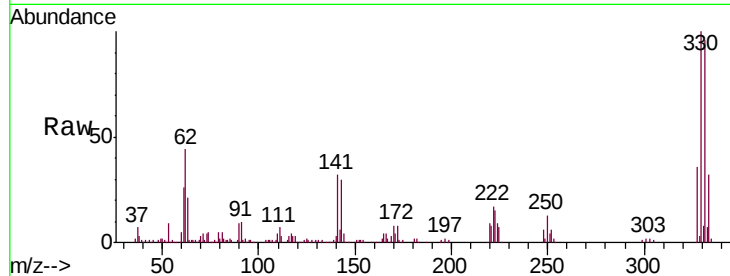




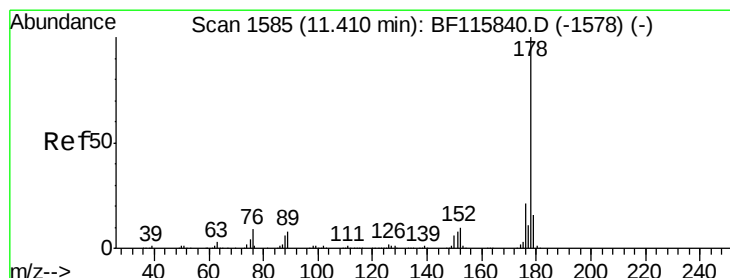
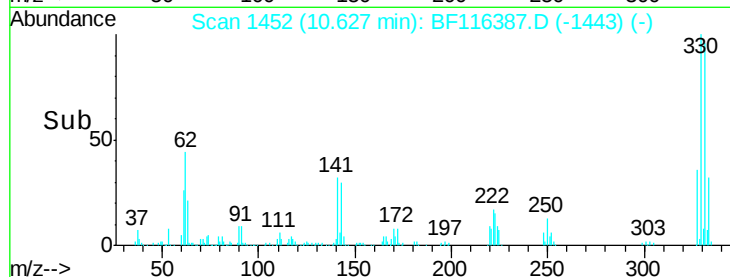
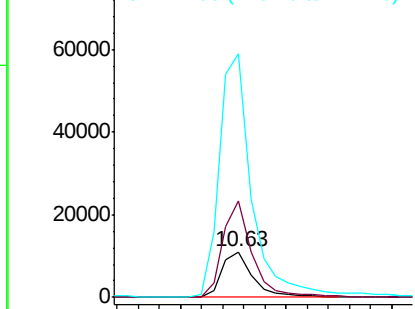
#67
 4-Bromophenyl-phenylether
 Concen: 2.837 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF116387.D
 Acq: 19 Aug 2019 14:03

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Tgt Ion:248 Resp: 11089
 Ion Ratio Lower Upper
 248 100
 250 210.2 77.4 116.2#
 141 532.0 56.8 85.2#

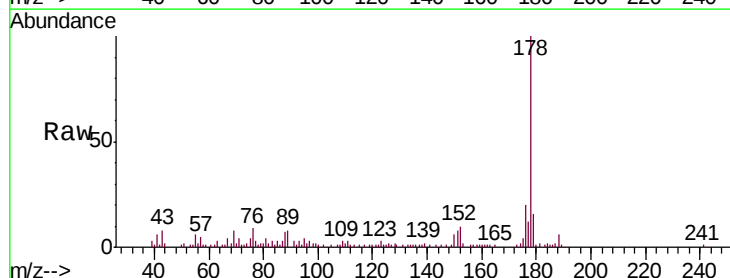


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

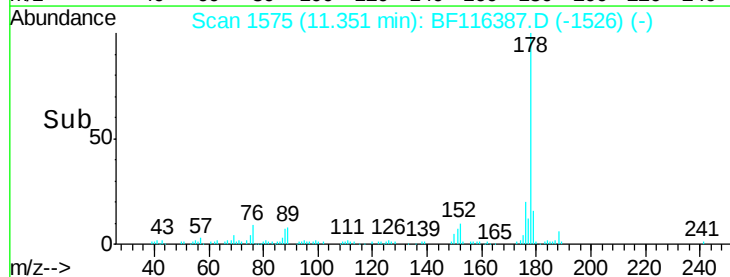
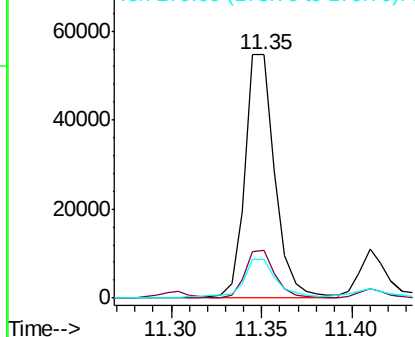


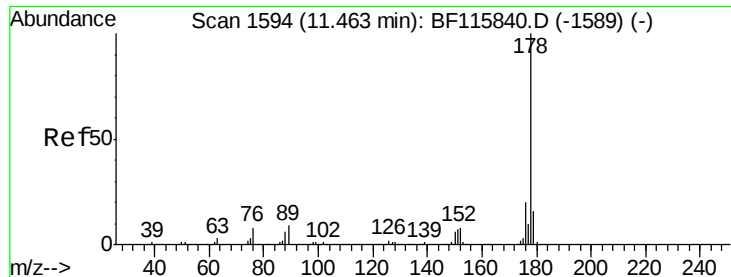
#71
 Phenanthrene
 Concen: 3.363 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF116387.D
 Acq: 19 Aug 2019 14:03

Tgt Ion:178 Resp: 62786
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.6 24.8
 179 15.8 12.5 18.7



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





#72

Anthracene

Concen: 3.323 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.06 min

Lab File: BF116387.D

Acq: 19 Aug 2019 14:03

Instrument :

BNA_F

ClientSampleId :

SP-4

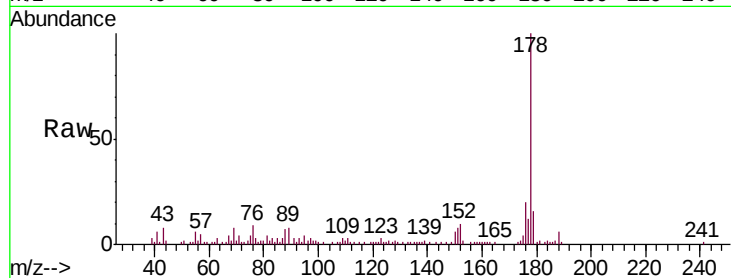
Tgt Ion:178 Resp: 62786

Ion Ratio Lower Upper

178 100

176 19.9 15.7 23.5

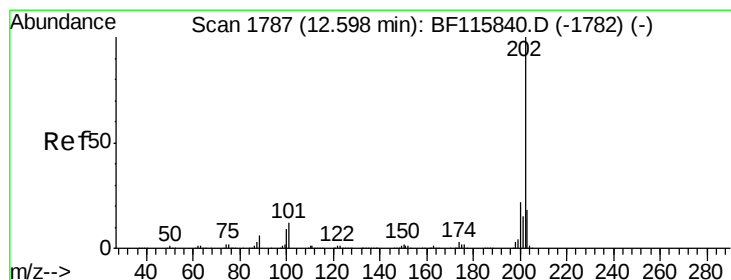
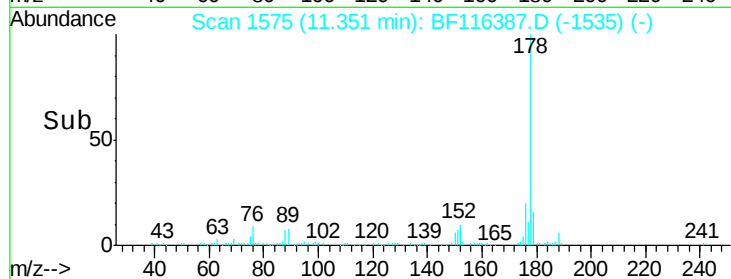
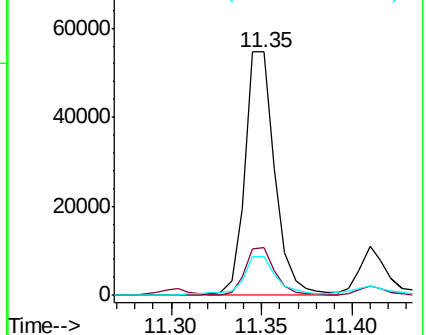
179 15.8 13.0 19.6



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: 7.281 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF116387.D

Acq: 19 Aug 2019 14:03

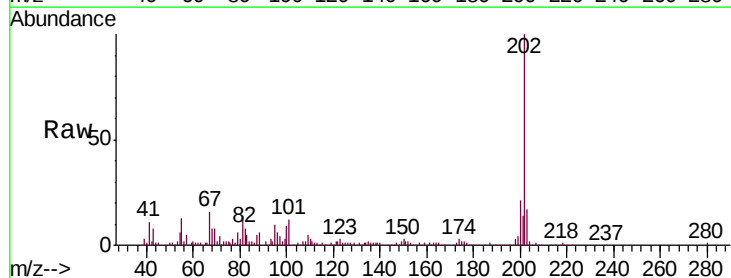
Tgt Ion:202 Resp: 142288

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.2

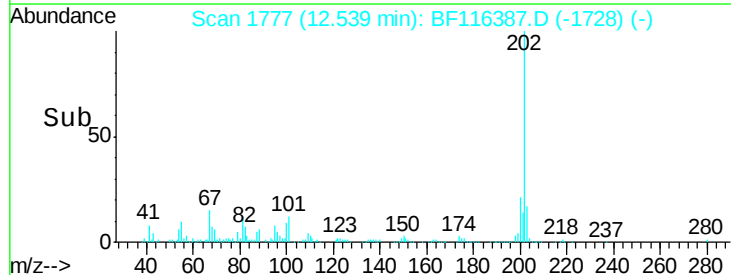
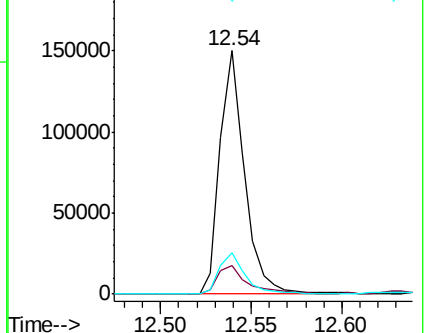
203 16.8 0.0 37.8

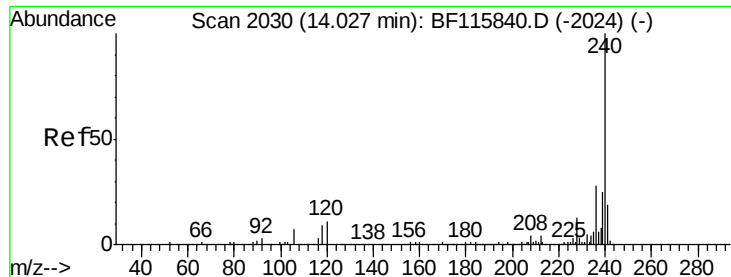


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF116387.D

Acq: 19 Aug 2019 14:03

Instrument :

BNA_F

ClientSampleId :

SP-4

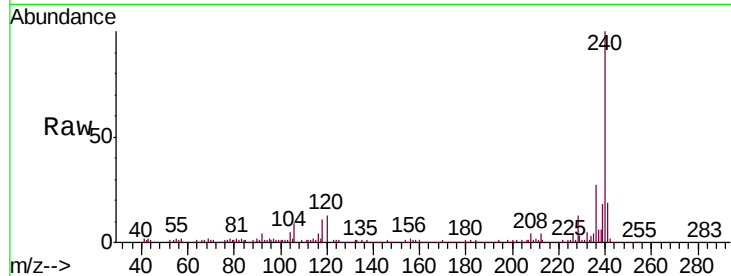
Tgt Ion:240 Resp: 223934

Ion Ratio Lower Upper

240 100

120 13.0 10.7 16.1

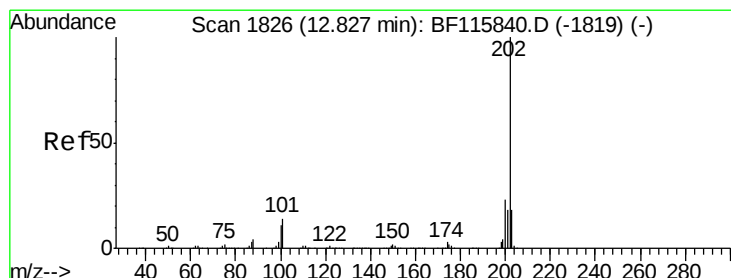
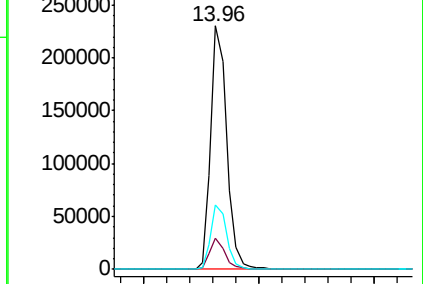
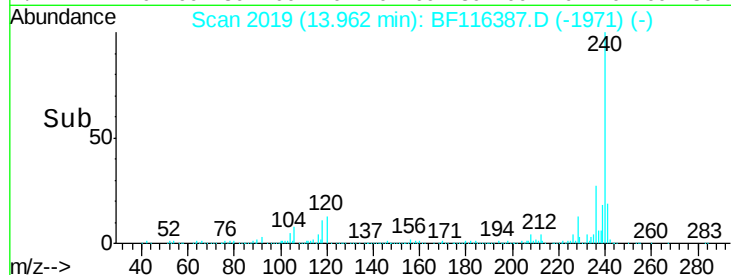
236 26.6 22.2 33.2



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: 6.887 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF116387.D

Acq: 19 Aug 2019 14:03

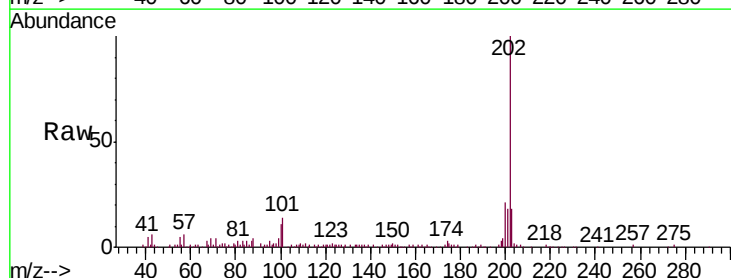
Tgt Ion:202 Resp: 116261

Ion Ratio Lower Upper

202 100

200 20.8 18.0 27.0

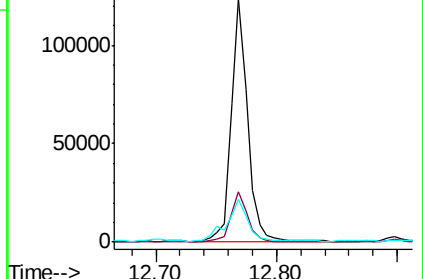
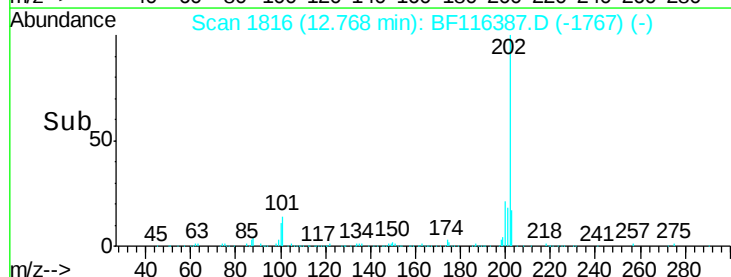
203 17.7 14.1 21.1

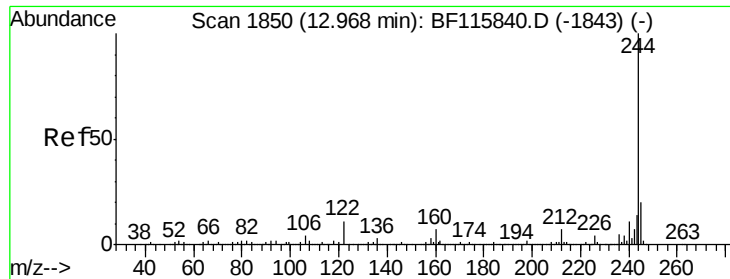


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

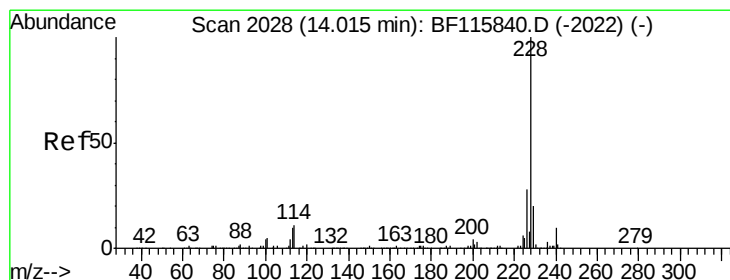
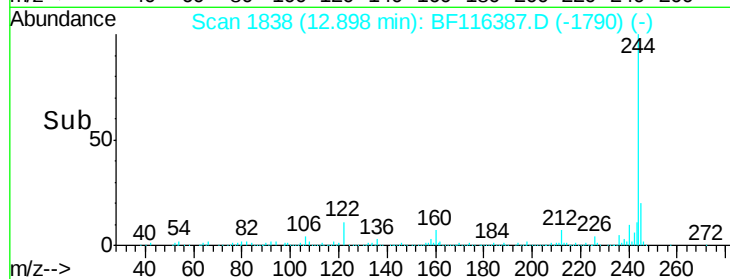
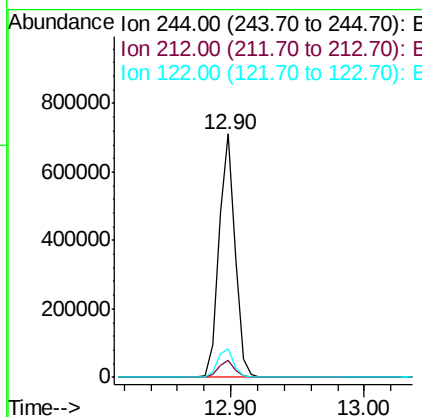
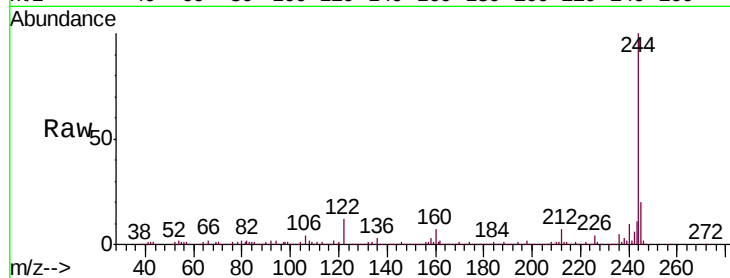




#79
 Terphenyl-d14
 Concen: 56.856 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.02 min
 Lab File: BF116387.D
 Acq: 19 Aug 2019 14:03

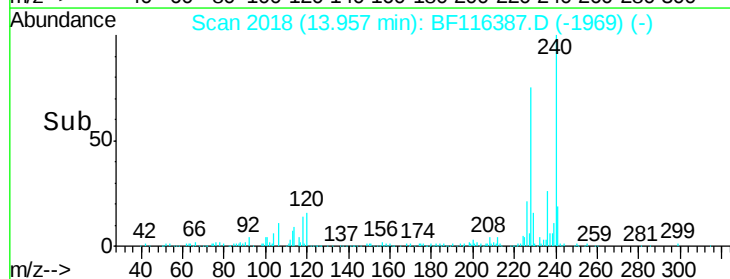
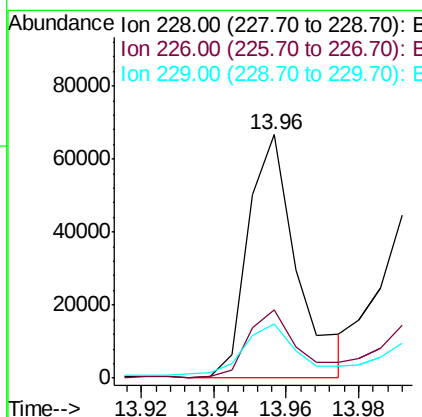
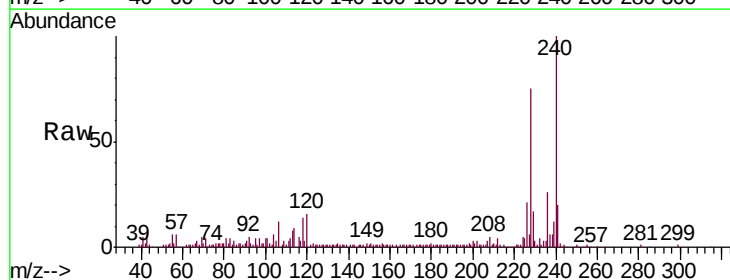
Instrument :
 BNA_F
 ClientSampleId :
 SP-4

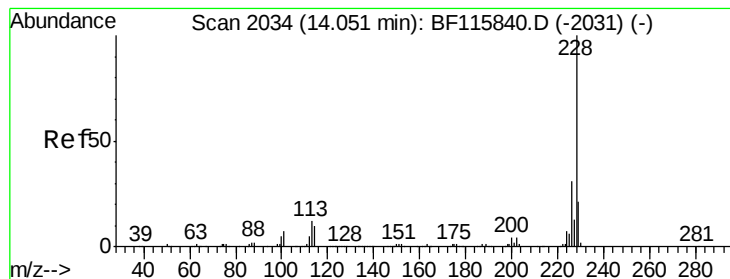
Tgt Ion:244 Resp: 604228
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 11.5 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 4.363 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF116387.D
 Acq: 19 Aug 2019 14:03

Tgt Ion:228 Resp: 62450
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.7 34.1
 229 22.3 16.2 24.4





#83

Chrysene

Concen: 4.354 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116387.D

Acq: 19 Aug 2019 14:03

Instrument :

BNA_F

ClientSampleId :

SP-4

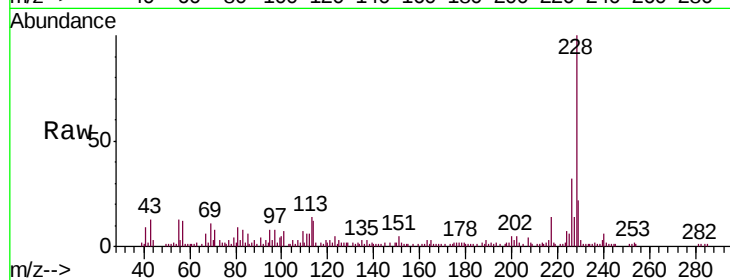
Tgt Ion:228 Resp: 60505

Ion Ratio Lower Upper

228 100

226 32.5 25.5 38.3

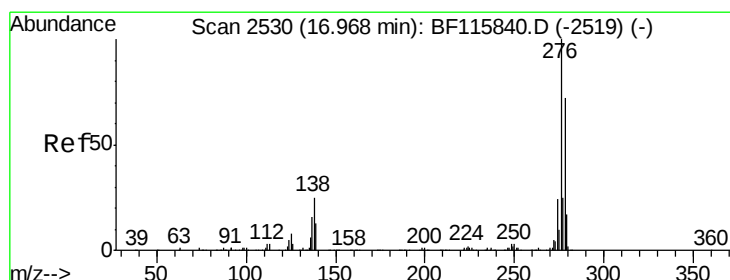
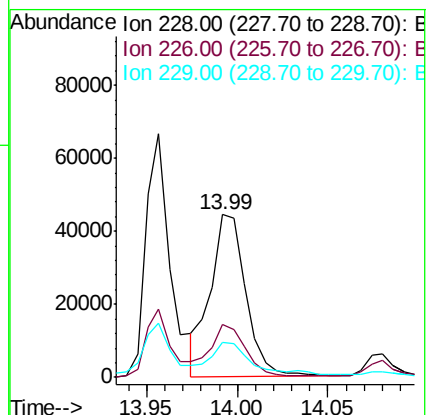
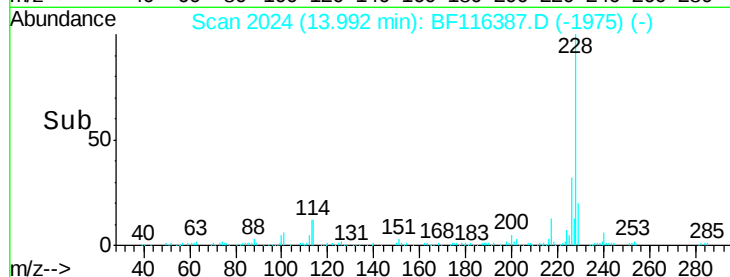
229 21.6 16.6 24.8



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.934 ng

RT: 16.92 min Scan# 2522

Delta R.T. 0.02 min

Lab File: BF116387.D

Acq: 19 Aug 2019 14:03

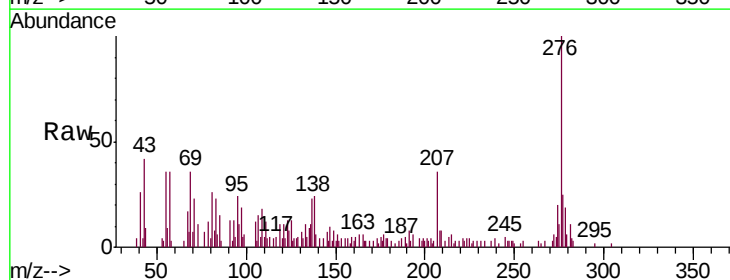
Tgt Ion:276 Resp: 34244

Ion Ratio Lower Upper

276 100

138 18.1 20.4 30.6#

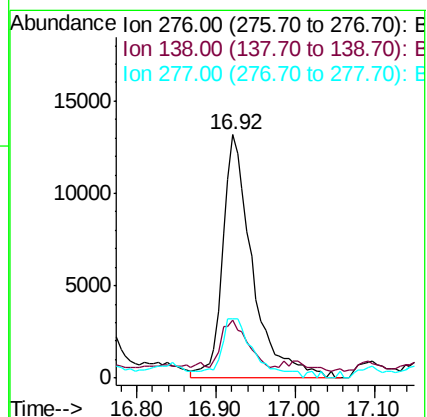
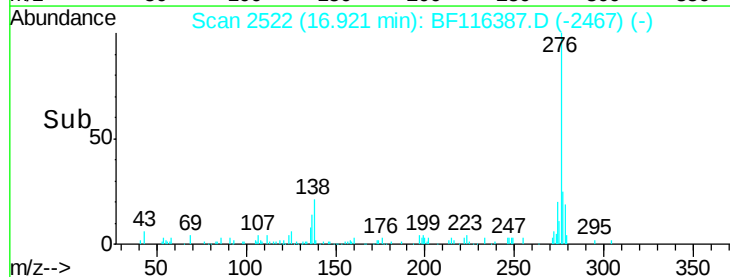
277 27.4 20.0 30.0

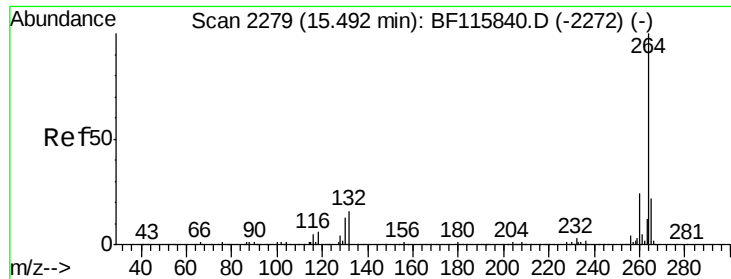


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



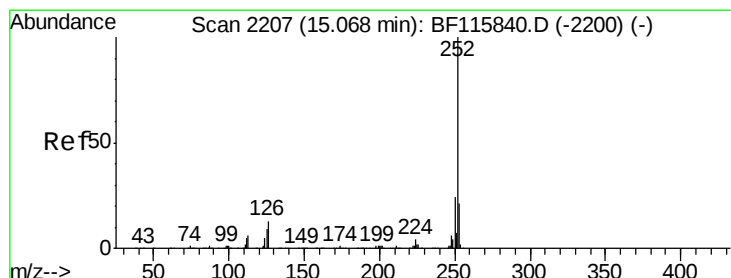
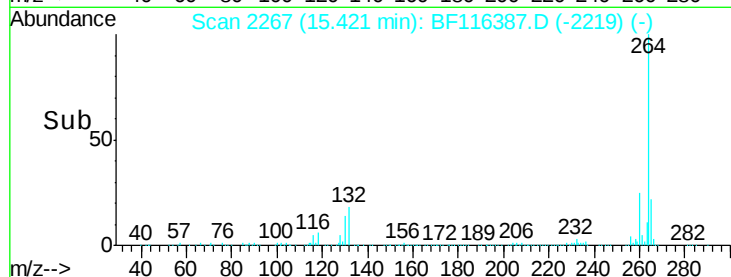
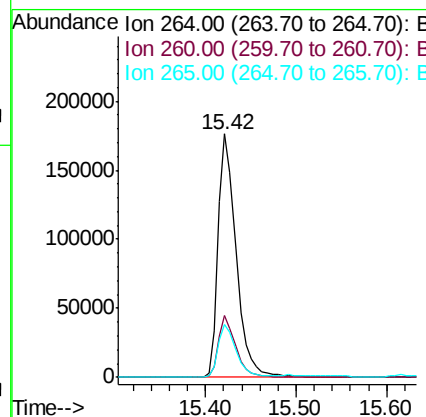
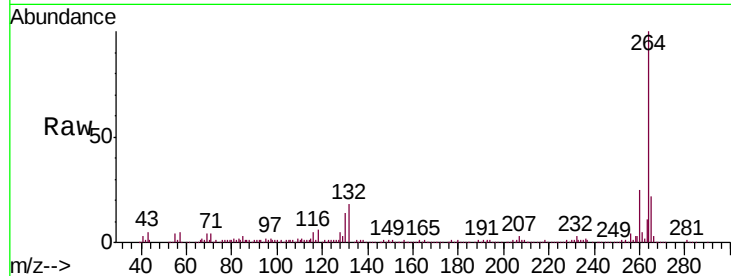


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF116387.D
Acq: 19 Aug 2019 14:03

Instrument :
BNA_F
ClientSampleId :
SP-4

Tgt Ion: 264 Resp: 244697

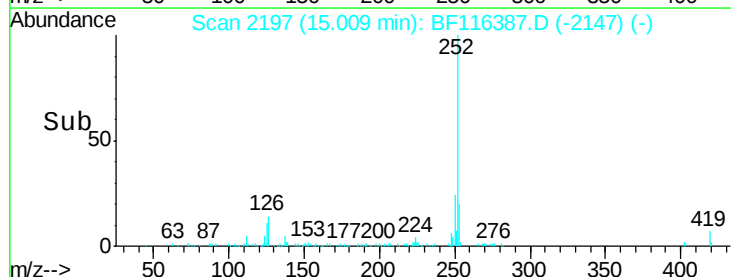
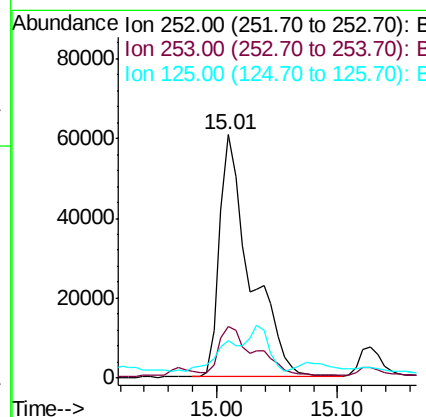
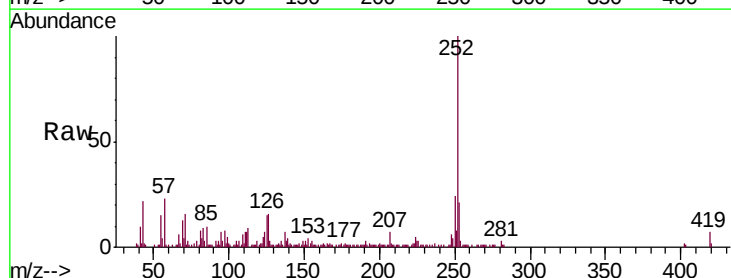
Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.7	29.5
265	21.9	17.4	26.0

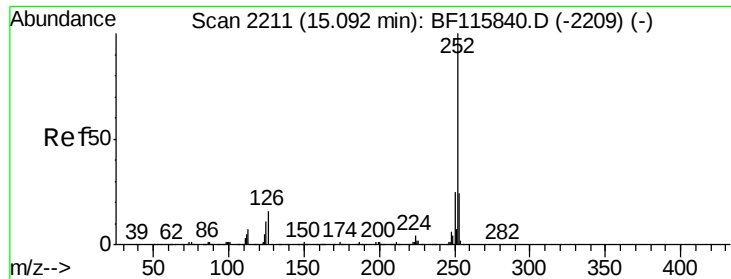


#88
Benzo(b)fluoranthene
Concen: 7.509 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF116387.D
Acq: 19 Aug 2019 14:03

Tgt Ion: 252 Resp: 106247

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.8	26.8
125	15.3	8.4	12.6

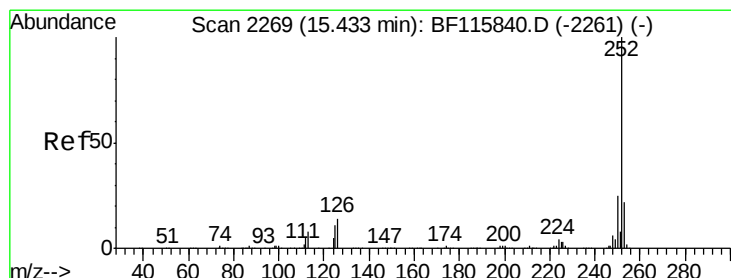
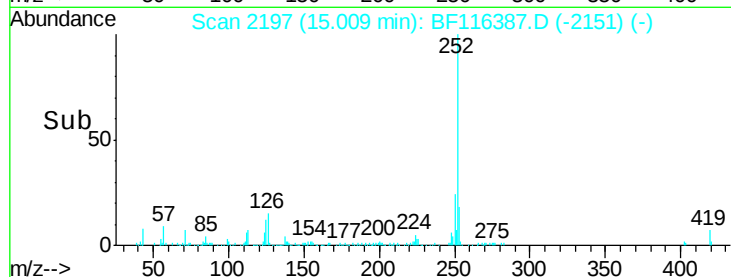
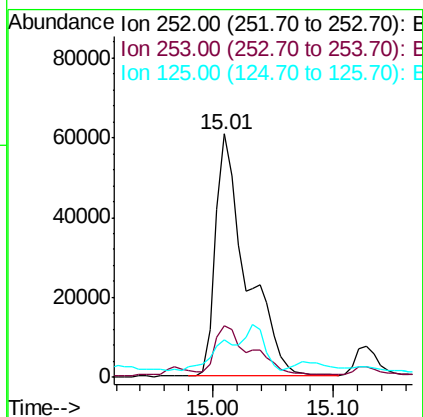
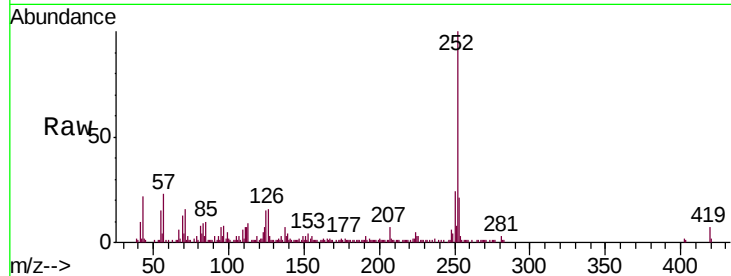




#89
Benzo(k)fluoranthene
Concen: 7.710 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.03 min
Lab File: BF116387.D
Acq: 19 Aug 2019 14:03

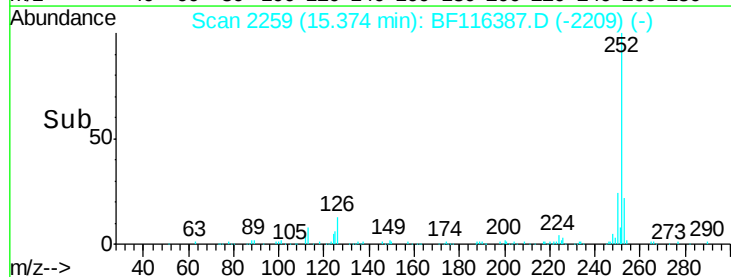
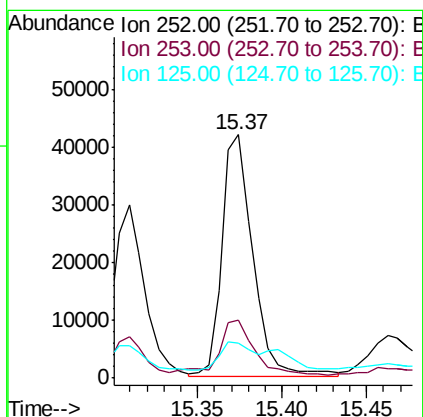
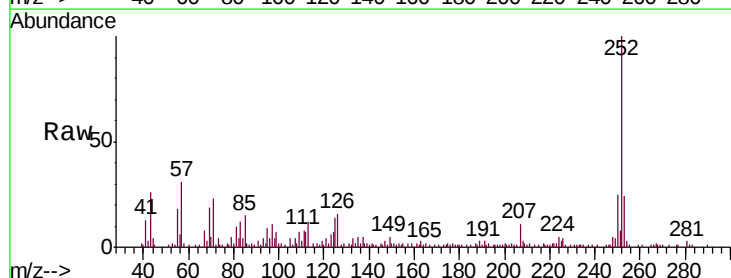
Instrument :
BNA_F
ClientSampleId :
SP-4

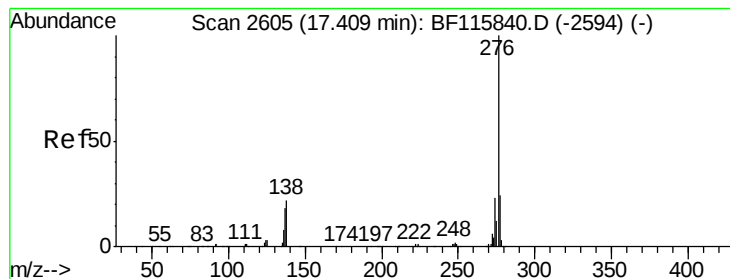
Tgt Ion:252 Resp: 106247
Ion Ratio Lower Upper
252 100
253 20.9 17.8 26.8
125 15.3 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 4.216 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF116387.D
Acq: 19 Aug 2019 14:03

Tgt Ion:252 Resp: 53329
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 14.3 8.9 13.3#





#92

Benzo(g,h,i)perylene

Concen: 2.848 ng

RT: 17.37 min Scan# 2598

Delta R.T. 0.03 min

Lab File: BF116387.D

Acq: 19 Aug 2019 14:03

Instrument :

BNA_F

ClientSampleId :

SP-4

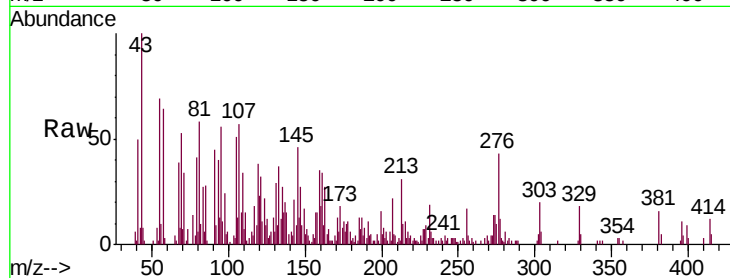
Tgt Ion: 276 Resp: 30625

Ion Ratio Lower Upper

276 100

277 27.3 18.4 27.6

138 35.9 17.0 25.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

