

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
 Data File : BF116213.D
 Acq On : 13 Aug 2019 2:23
 Operator : HP/JU
 Sample : K4292-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP-WS

Quant Time: Aug 13 03:39:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	123889	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	489141	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	248753	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	394105	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	276335	20.00	ng	-0.01
87) Perylene-d12	15.47	264	294353	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	728803	98.48	ng	-0.01
7) Phenol-d6	6.47	99	955245	102.31	ng	-0.01
23) Nitrobenzene-d5	7.40	82	601056	70.93	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	227089	94.16	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1079261	81.27	ng	-0.01
79) Terphenyl-d14	12.94	244	922826	70.37	ng	-0.01

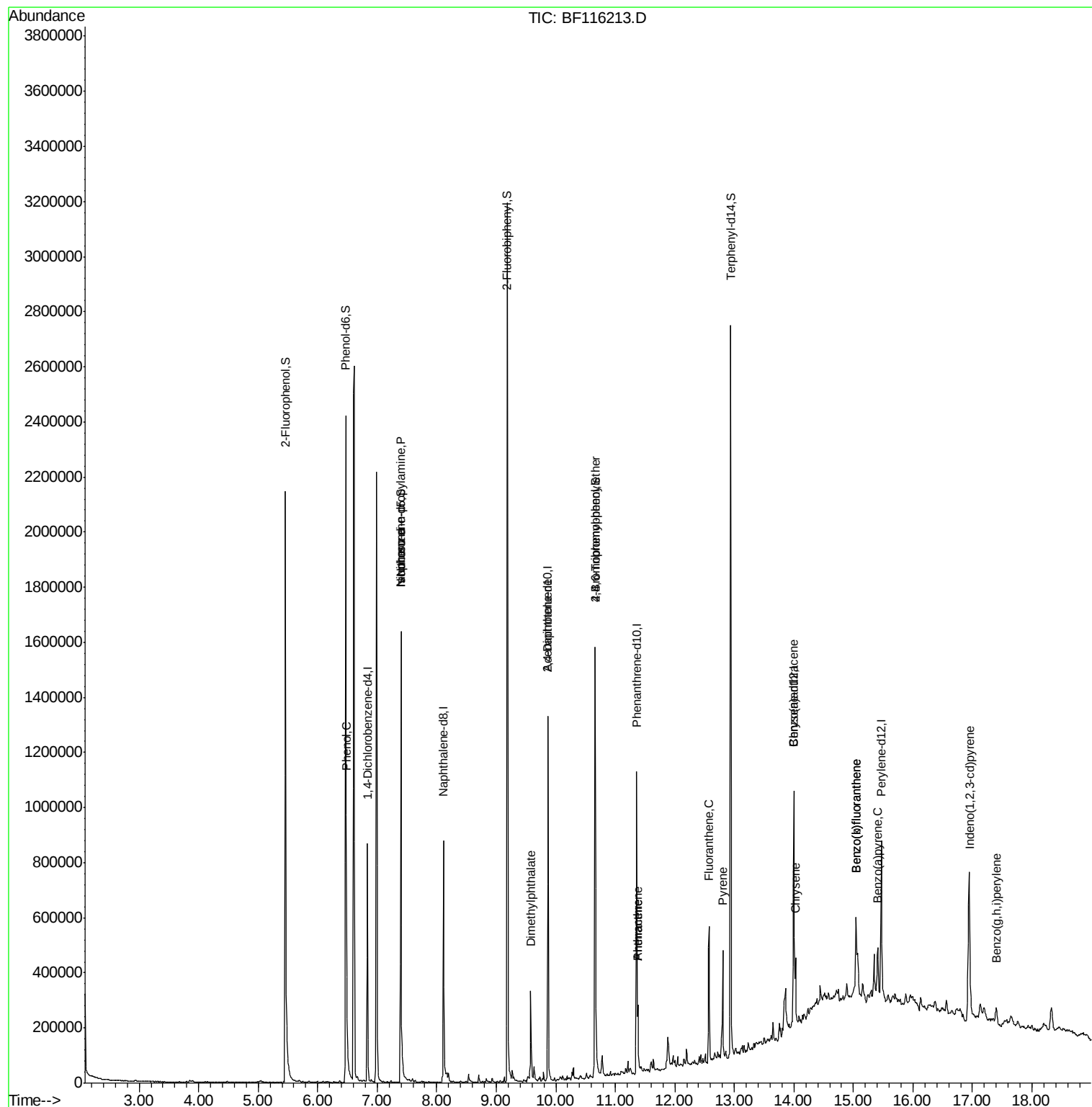
Target Compounds				Qvalue		
10) Phenol	6.49	94	31540	2.868	ng	96
19) n-Nitroso-di-n-propylamine	7.40	70	79708	13.776	ng	# 78
25) Isophorone	7.40	82	601050	37.094	ng	# 65
50) Dimethylphthalate	9.58	163	129146	7.625	ng	99
57) 2,4-Dinitrotoluene	9.87	165	32935	6.721	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	13808	3.273	ng	# 1
71) Phenanthrene	11.38	178	85655	4.251	ng	97
72) Anthracene	11.38	178	85655	4.201	ng	98
75) Fluoranthene	12.57	202	204525	9.697	ng	99
78) Pyrene	12.80	202	164650	7.904	ng	99
81) Benzo(a)anthracene	13.99	228	71521	4.049	ng	98
83) Chrysene	14.03	228	102249	5.963	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	53095	3.687	ng	96
88) Benzo(b)fluoranthene	15.04	252	197306	11.593	ng	# 97
89) Benzo(k)fluoranthene	15.04	252	197306	11.902	ng	# 96
90) Benzo(a)pyrene	15.41	252	77747	5.110	ng	# 94
92) Benzo(a,h,i)perylene	17.40	276	48367	3.740	ng	94

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

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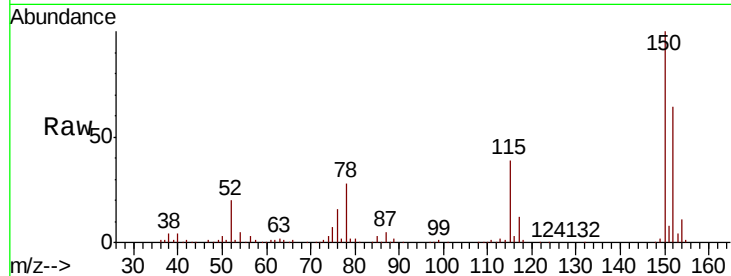


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF116213.D
 Acq: 13 Aug 2019 2:23

Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP-WS

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.2	189.2
115	60.9	49.9	74.9

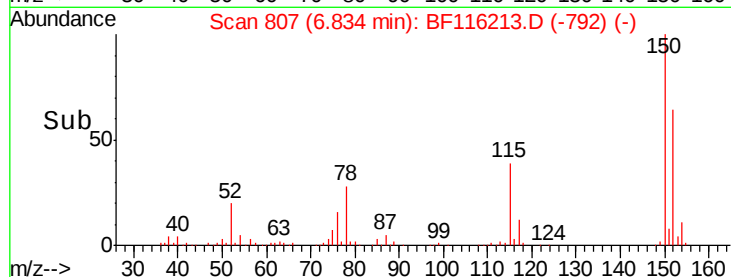
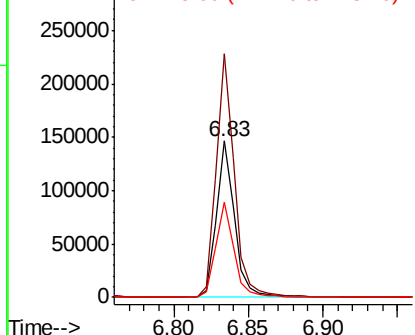


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

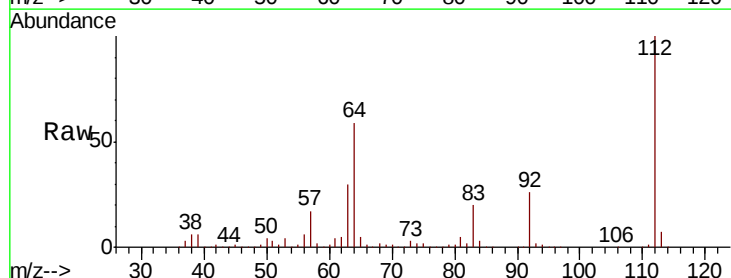
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 98.480 ng
 RT: 5.46 min Scan# 573
 Delta R.T. -0.01 min
 Lab File: BF116213.D
 Acq: 13 Aug 2019 2:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	45.4	68.2
63	30.4	23.7	35.5

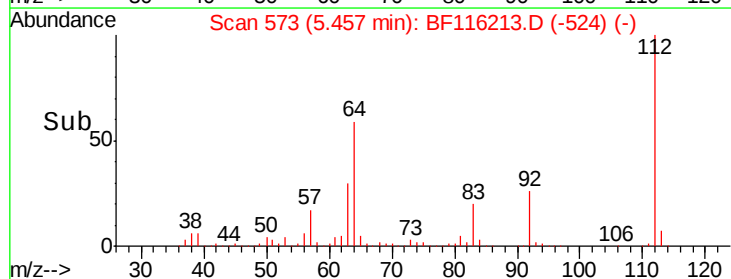
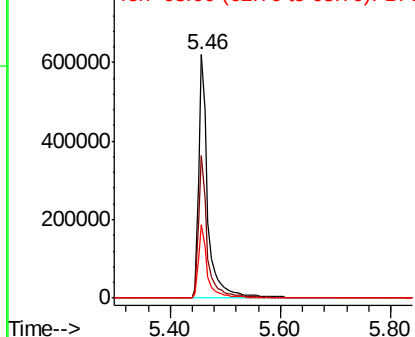


Abundance

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: 102.307 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116213.D

Acq: 13 Aug 2019 2:23

Instrument :

BNA_F

ClientSampleId :

RO-COMP-WS

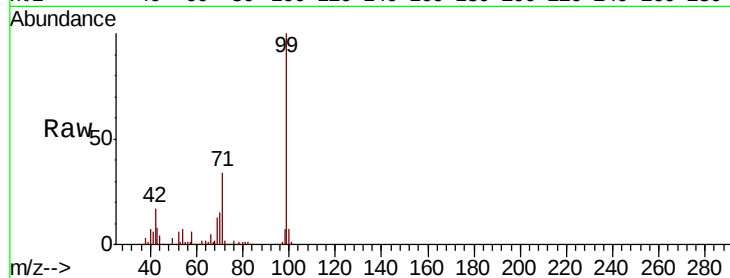
Tot Ion: 99 Resp: 955245

Ion Ratio Lower Upper

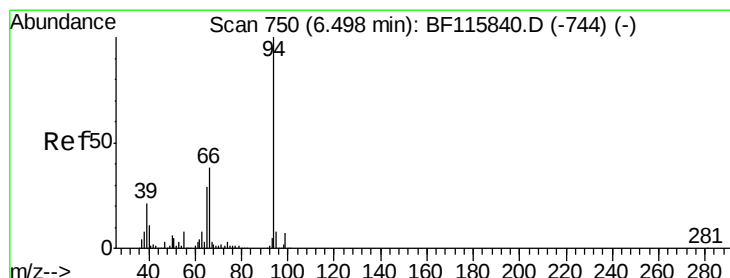
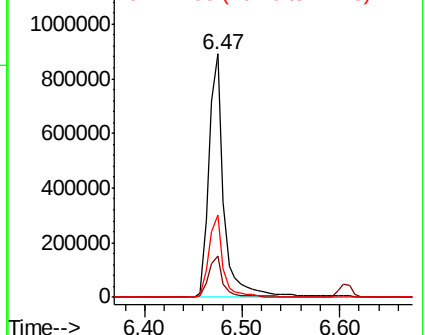
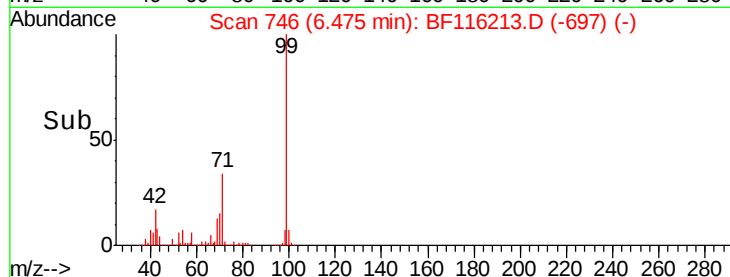
99 100

42 16.7 13.8 20.8

71 33.7 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



#10

Phenol

Concen: 2.868 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF116213.D

Acq: 13 Aug 2019 2:23

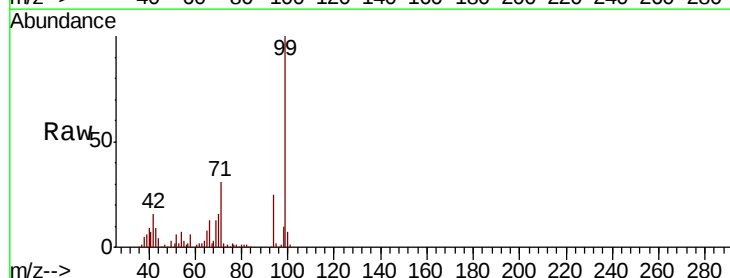
Tgt Ion: 94 Resp: 31540

Ion Ratio Lower Upper

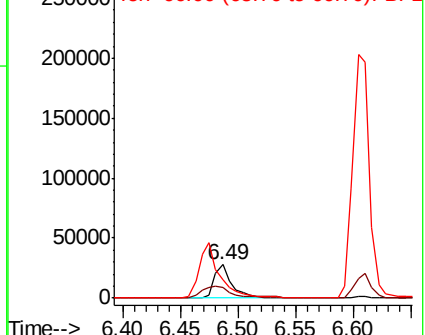
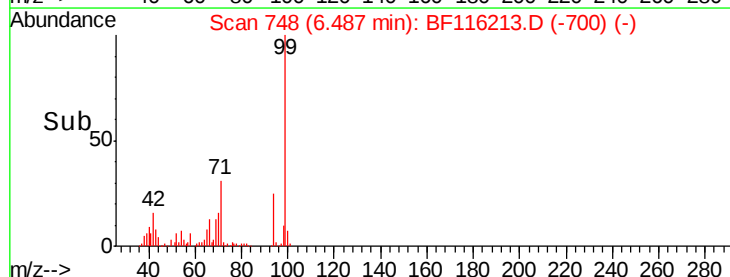
94 100

65 31.6 16.8 56.8

66 53.4 34.2 74.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

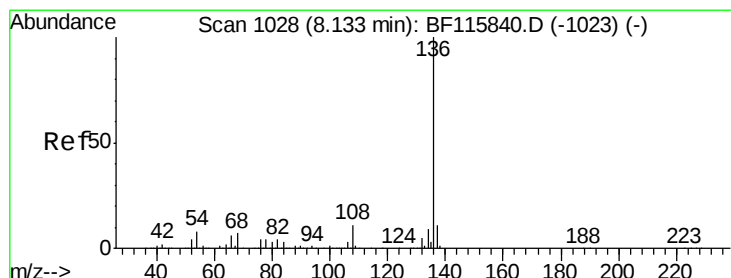
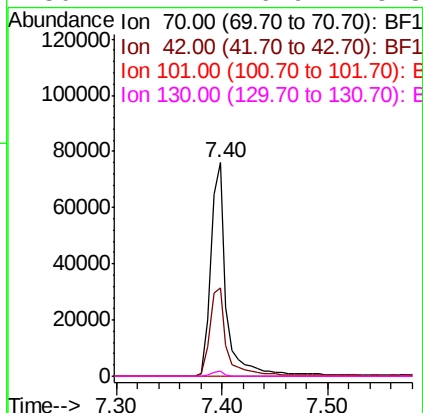
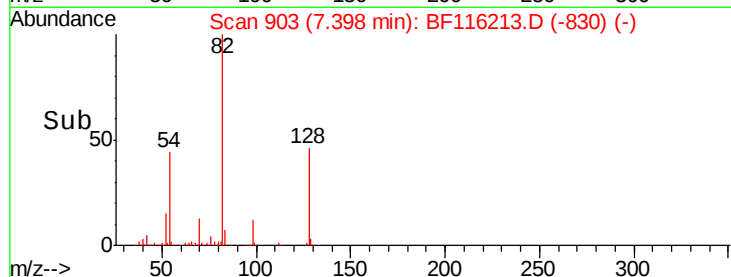
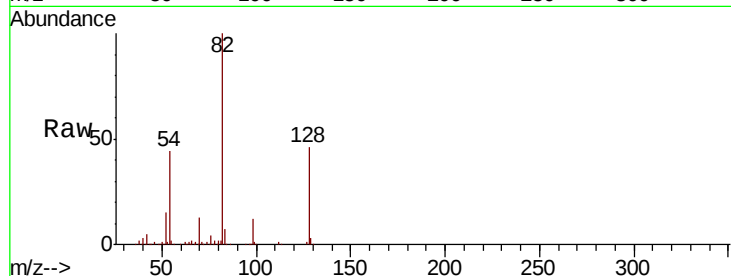




#19
n-Nitroso-di-n-propylamine
Concen: 13.776 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.13 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

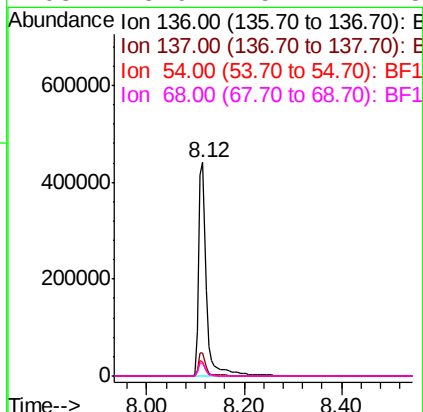
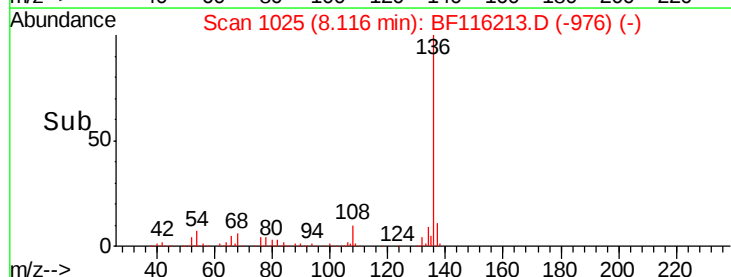
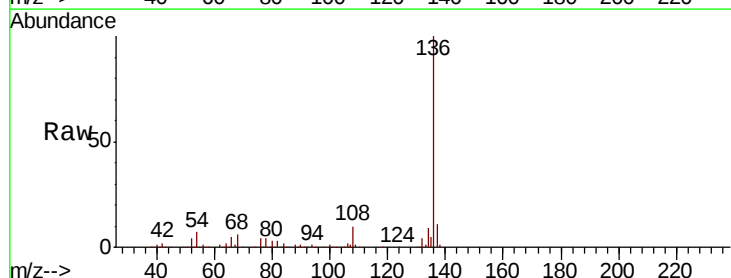
Instrument :
BNA_F
ClientSampleId :
RO-COMP-WS

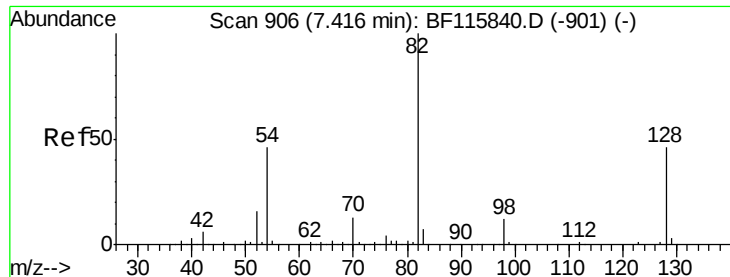
Tot Ion: 70 Resp: 79708
Ion Ratio Lower Upper
70 100
42 41.5 40.9 61.3
101 0.0 7.9 11.9#
130 2.2 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Tgt Ion: 136 Resp: 489141
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 6.6 5.8 8.6
68 5.9 5.2 7.8

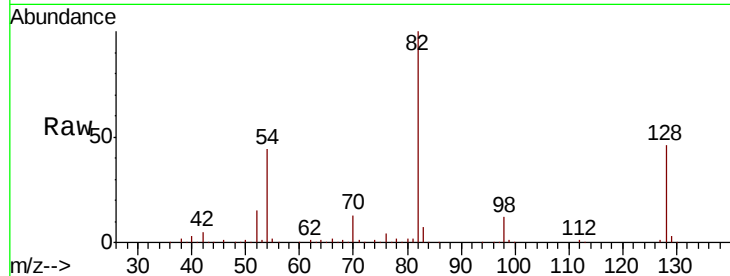




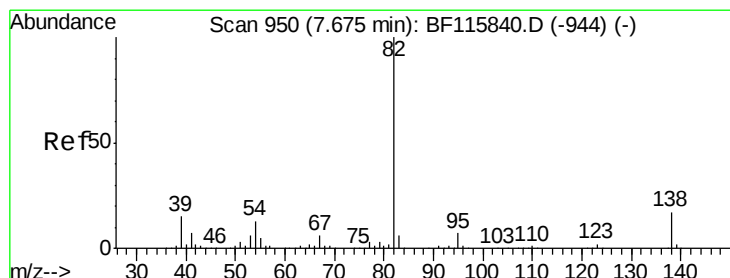
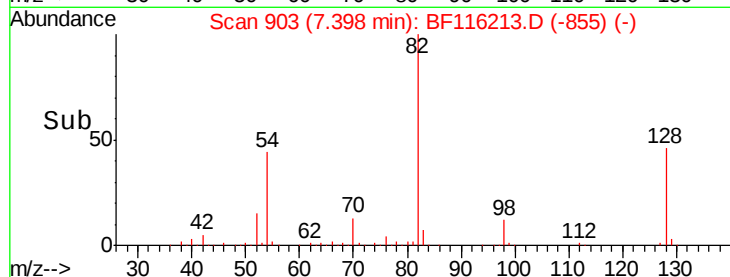
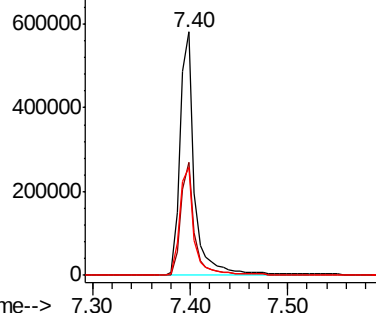
#23
 Nitrobenzene-d5
 Concen: 70.930 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF116213.D
 Acq: 13 Aug 2019 2:23

Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP-WS

Tot Ion: 82 Resp: 601056
 Ion Ratio Lower Upper
 82 100
 128 46.4 36.5 54.7
 54 44.1 36.0 54.0

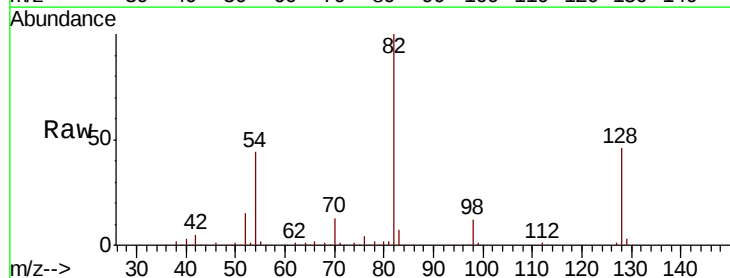


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

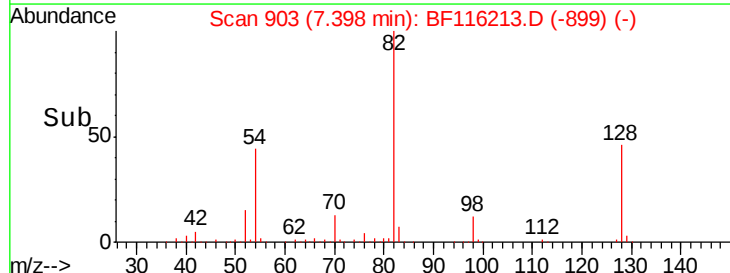
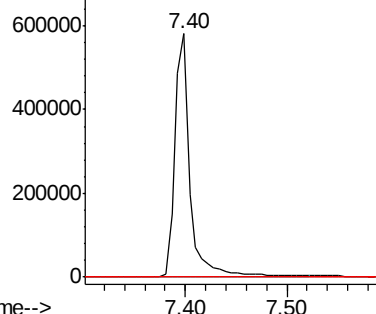


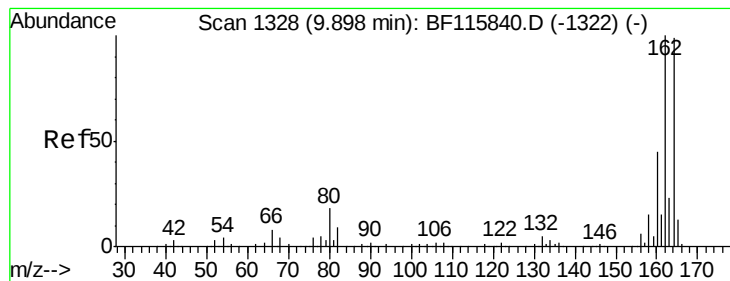
#25
 Isophorone
 Concen: 37.094 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.28 min
 Lab File: BF116213.D
 Acq: 13 Aug 2019 2:23

Tgt Ion: 82 Resp: 601050
 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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116213.D

Acq: 13 Aug 2019 2:23

Instrument :

BNA_F

ClientSampleId :

RO-COMP-WS

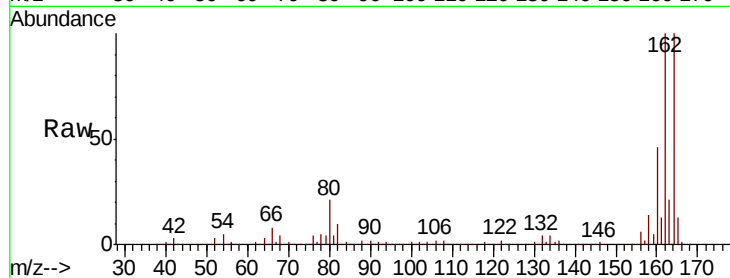
Tot Ion:164 Resp: 248753

Ion Ratio Lower Upper

164 100

162 100.1 82.6 124.0

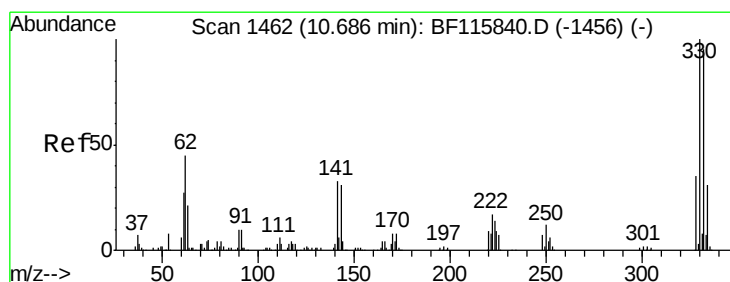
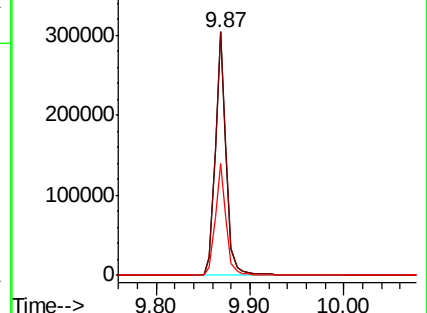
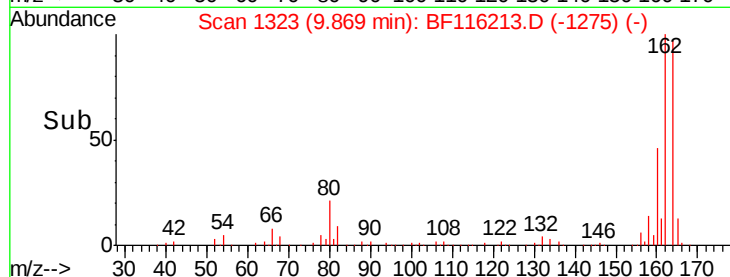
160 45.9 37.6 56.4



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: 94.160 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116213.D

Acq: 13 Aug 2019 2:23

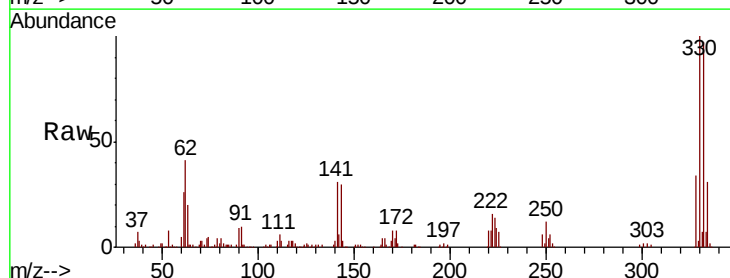
Tgt Ion:330 Resp: 227089

Ion Ratio Lower Upper

330 100

332 96.1 76.8 115.2

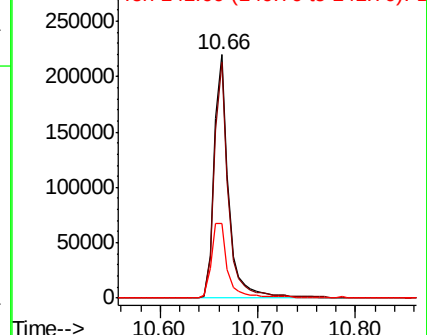
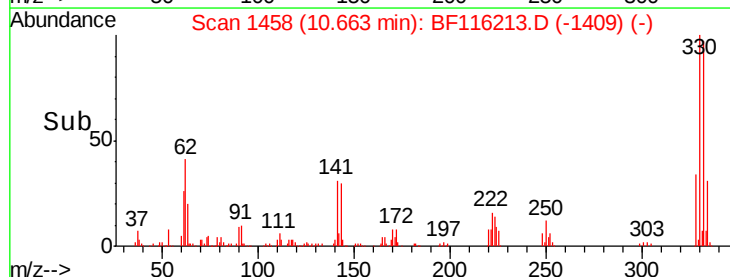
141 35.7 26.3 39.5



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

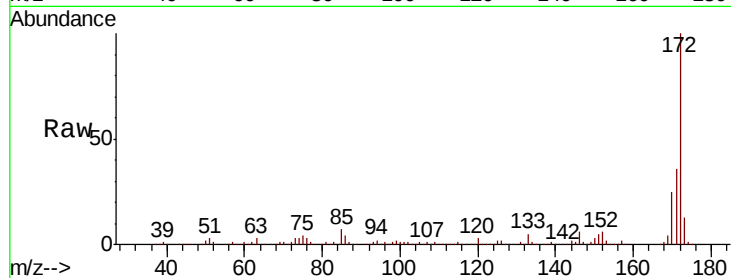




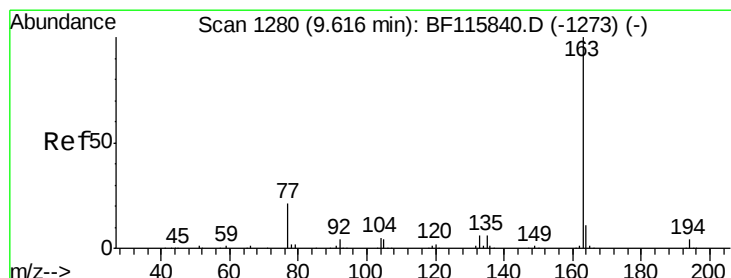
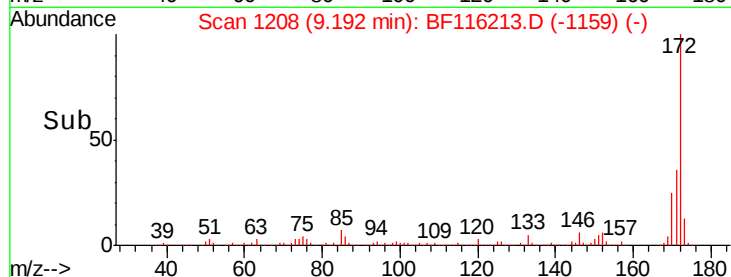
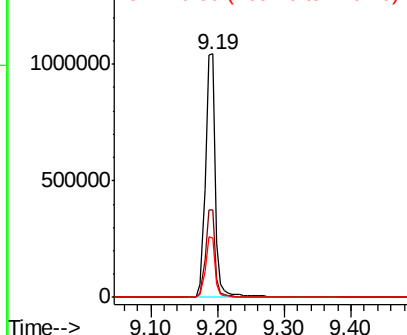
#45
2-Fluorobiphenyl
Concen: 81.267 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Instrument :
BNA_F
ClientSampleId :
RO-COMP-WS

Tot Ion:172 Resp: 1079261
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 24.6 20.1 30.1

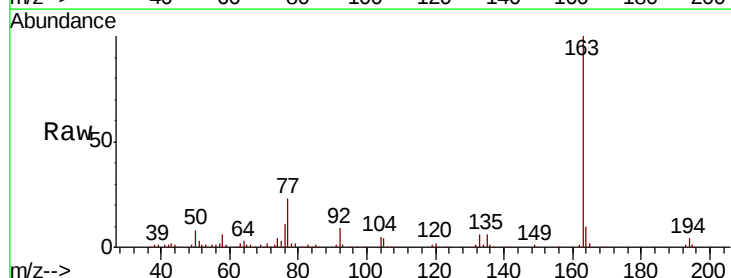


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

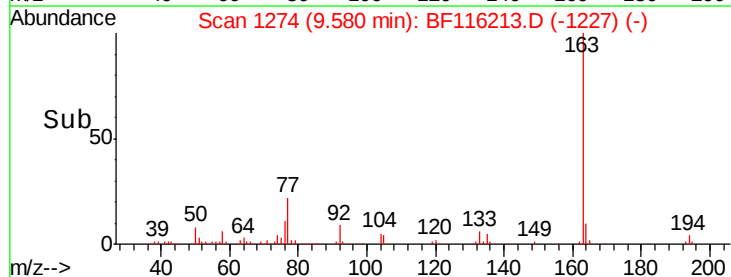
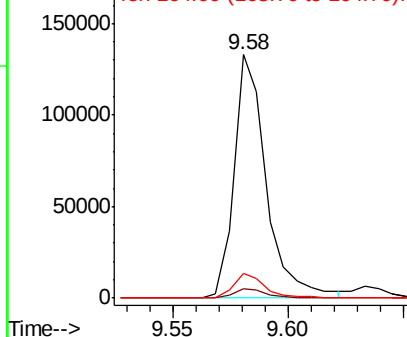


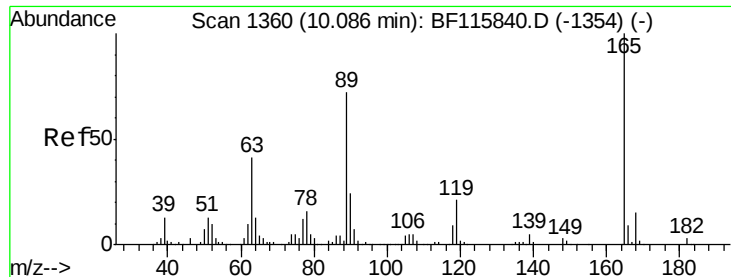
#50
Dimethylphthalate
Concen: 7.625 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Tgt Ion:163 Resp: 129146
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.2 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

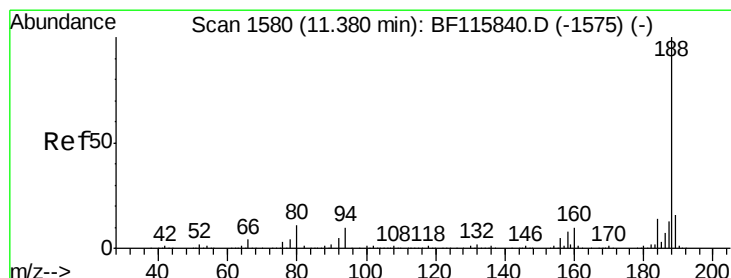
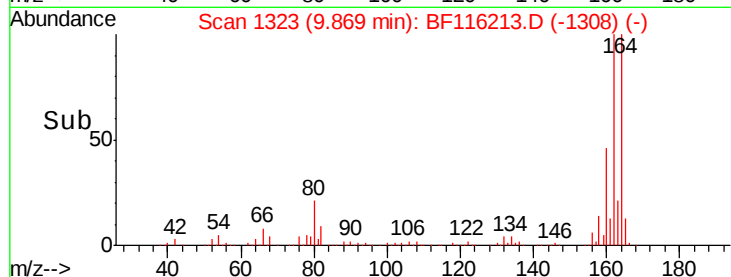
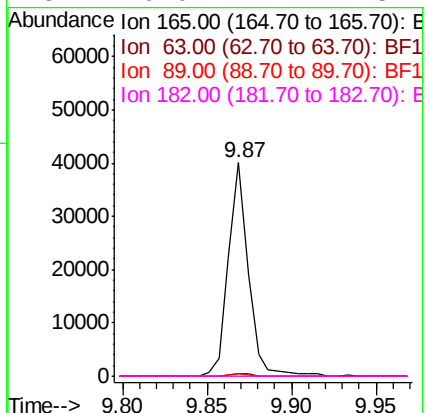
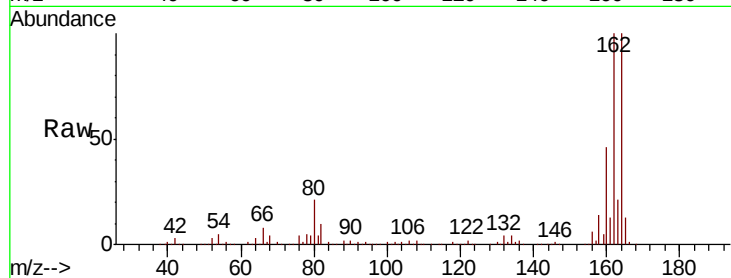




#57
 2,4-Dinitrotoluene
 Concen: 6.721 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116213.D
 Acq: 13 Aug 2019 2:23

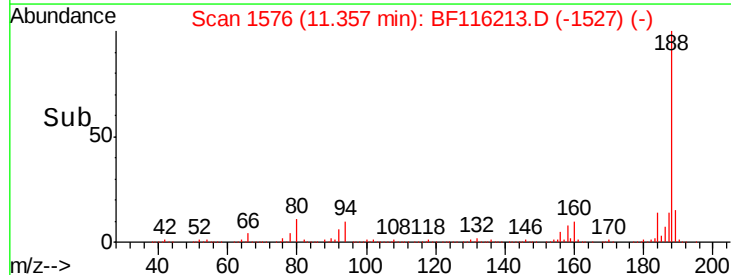
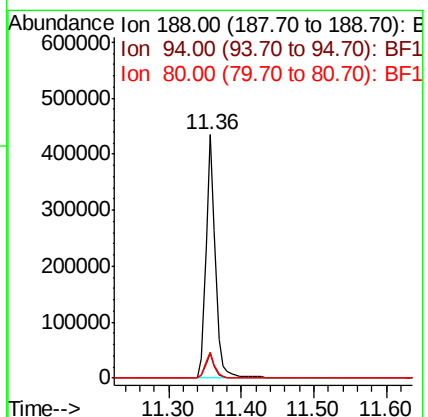
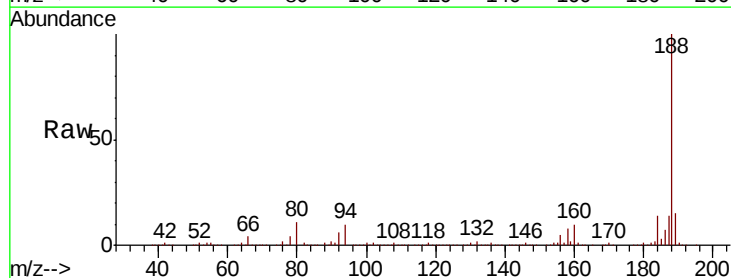
Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP-WS

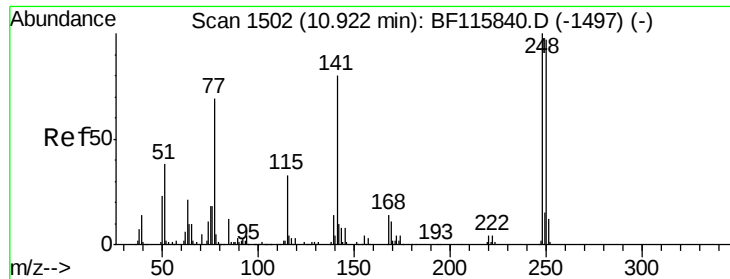
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	39.6	59.4#
89	1.4	62.2	93.2#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116213.D
 Acq: 13 Aug 2019 2:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.1	12.1
80	10.8	8.7	13.1

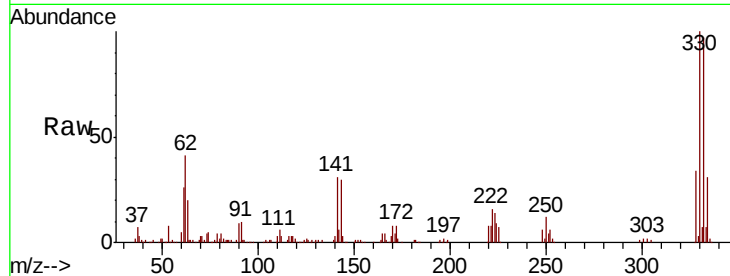




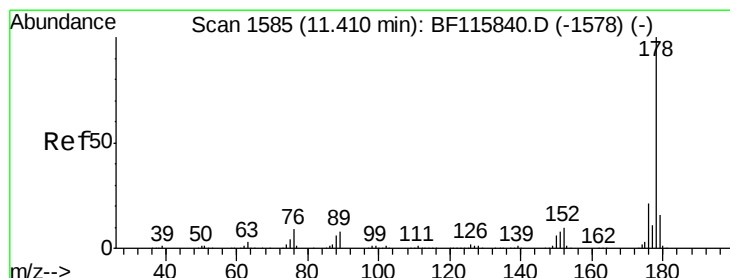
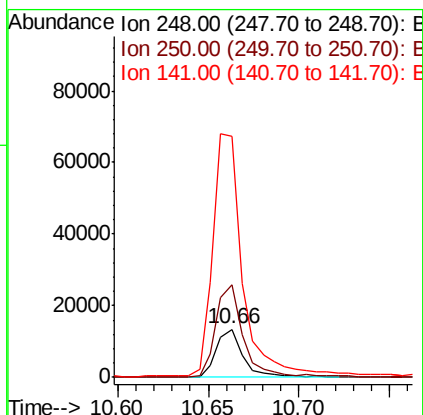
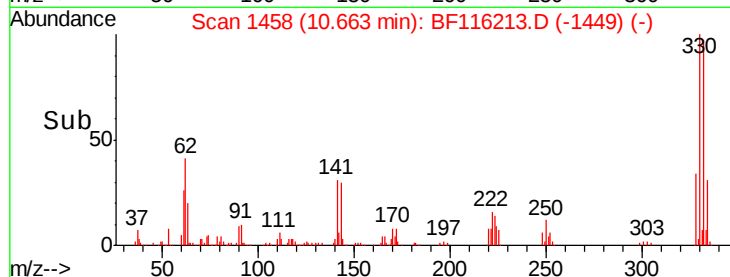
#67
 4-Bromophenyl-phenylether
 Concen: 3.273 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116213.D
 Acq: 13 Aug 2019 2:23

Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP-WS

Tot Ion	Ratio	Lower	Upper
248	100		
250	191.0	77.4	116.2#
141	500.7	56.8	85.2#

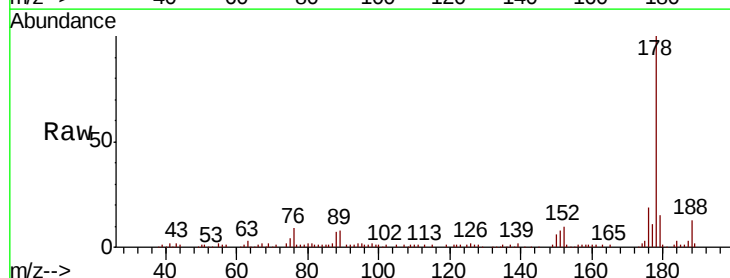


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

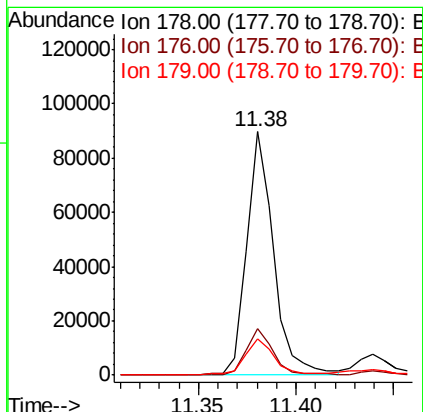
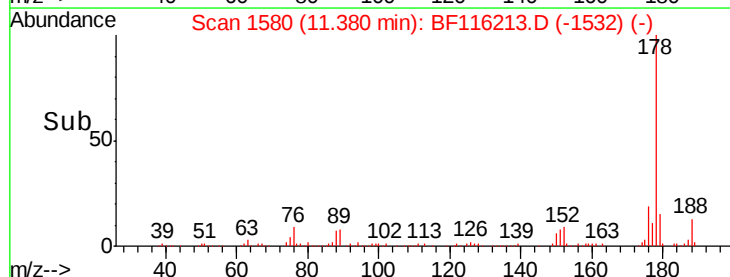


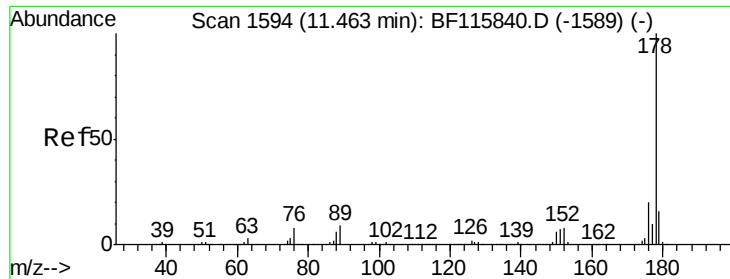
#71
 Phenanthrene
 Concen: 4.251 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF116213.D
 Acq: 13 Aug 2019 2:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.6	24.8
179	14.8	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

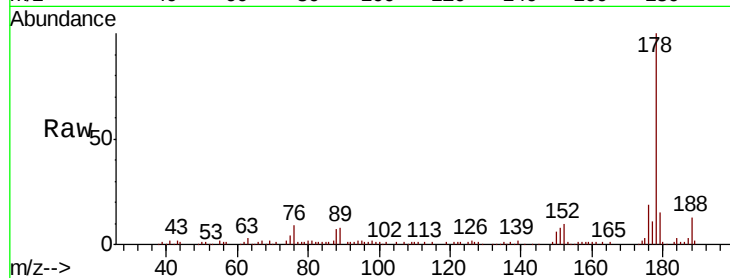




#72
 Anthracene
 Concen: 4.201 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.06 min
 Lab File: BF116213.D
 Acq: 13 Aug 2019 2:23

Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP-WS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	14.8	13.0	19.6

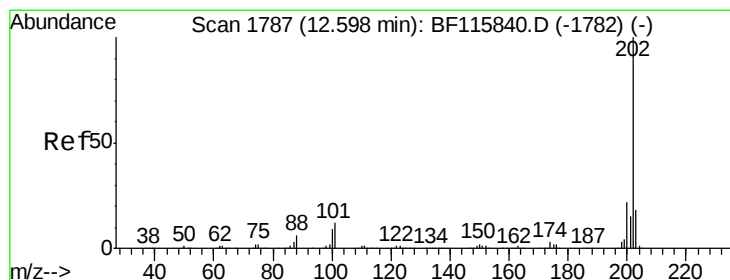
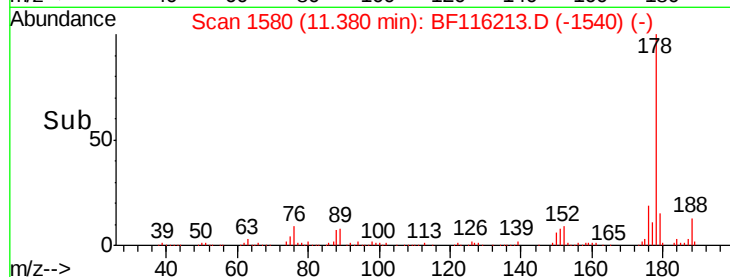
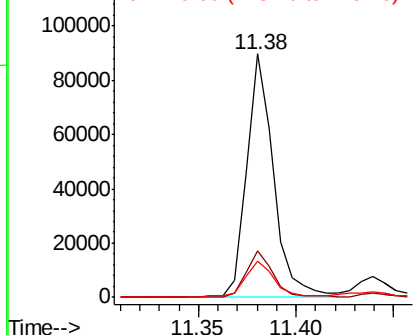


Abundance

Ion 178.00 (177.70 to 178.70): E

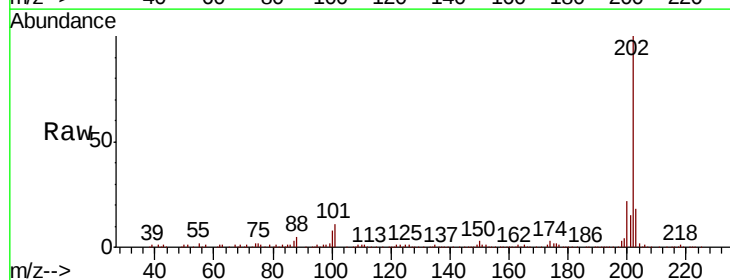
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
 Fluoranthene
 Concen: 9.697 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: BF116213.D
 Acq: 13 Aug 2019 2:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.2
203	18.2	0.0	37.8

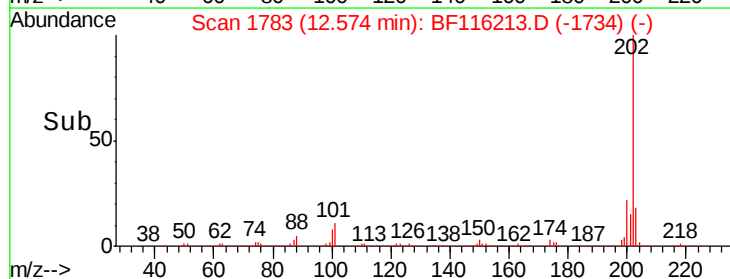
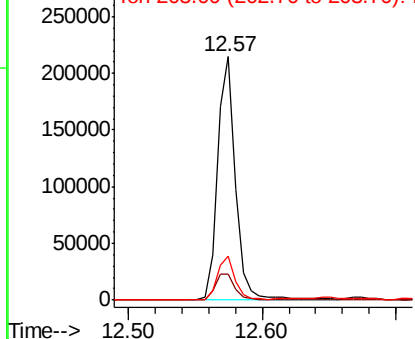


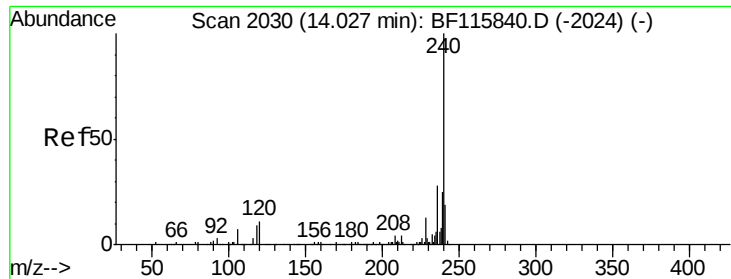
Abundance

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

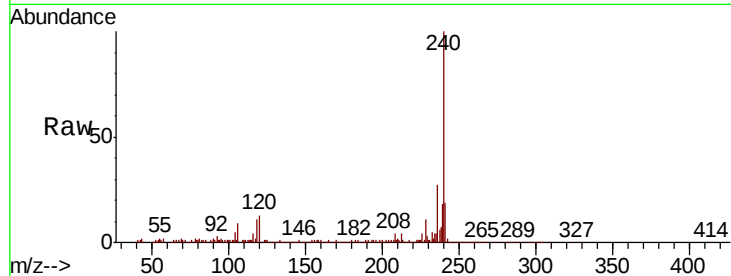




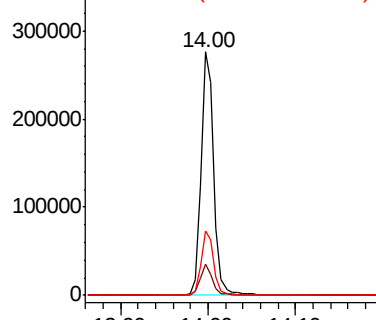
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Instrument :
BNA_F
ClientSampleId :
RO-COMP-WS

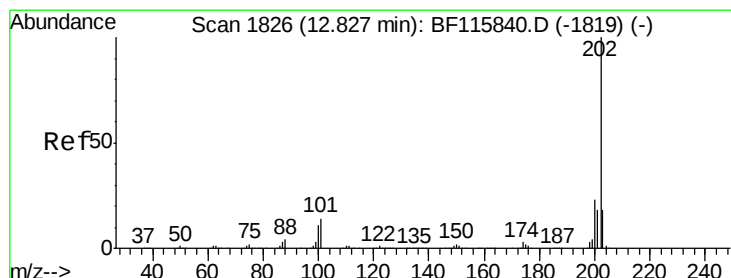
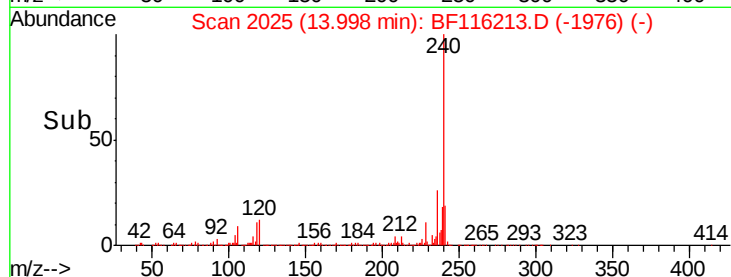
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.7	16.1
236	26.5	22.2	33.2



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

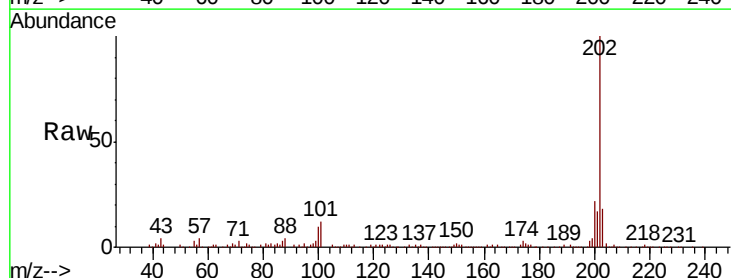


Time-->

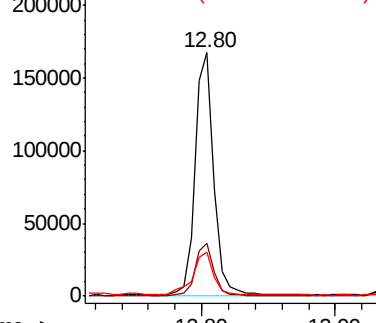


#78
Pyrene
Concen: 7.904 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

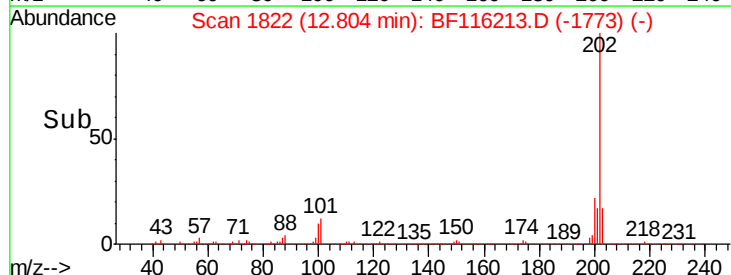
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	18.0	27.0
203	17.8	14.1	21.1

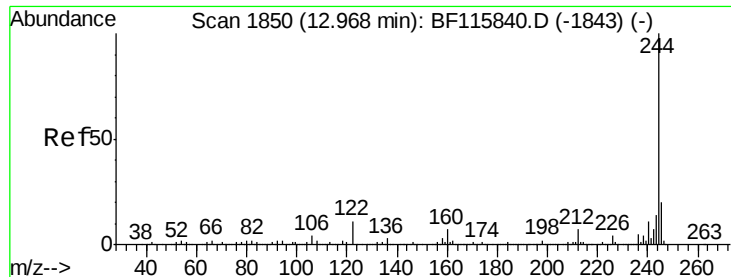


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





#79

Terphenyl-d14

Concen: 70.369 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116213.D

Acq: 13 Aug 2019 2:23

Instrument :

BNA_F

ClientSampleId :

RO-COMP-WS

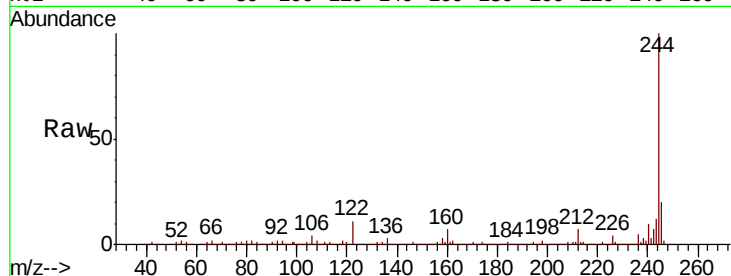
Tot Ion:244 Resp: 922826

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

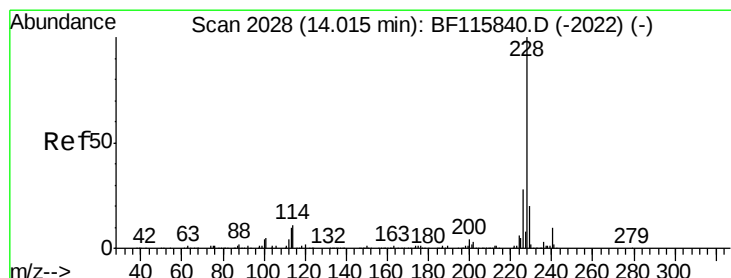
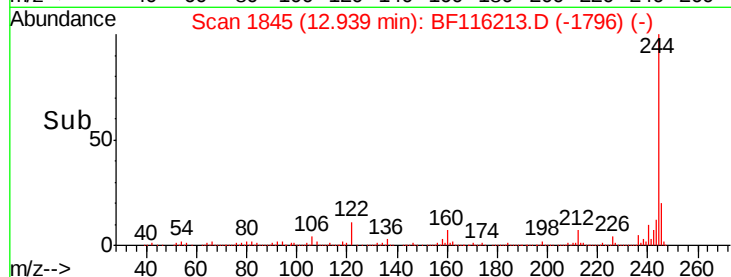
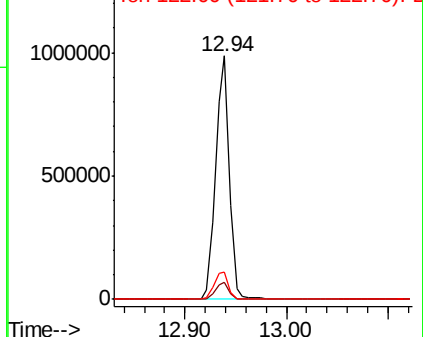
122 11.1 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.049 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116213.D

Acq: 13 Aug 2019 2:23

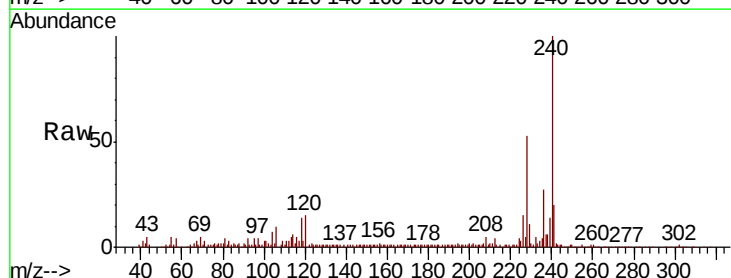
Tgt Ion:228 Resp: 71521

Ion Ratio Lower Upper

228 100

226 27.5 22.7 34.1

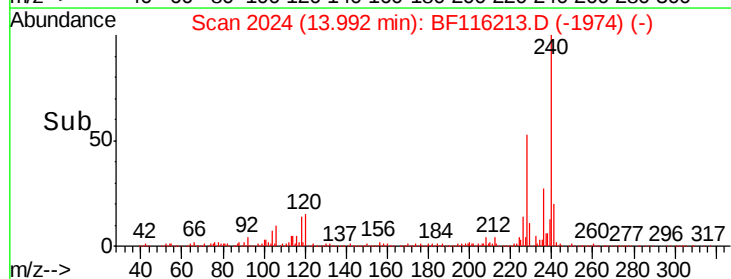
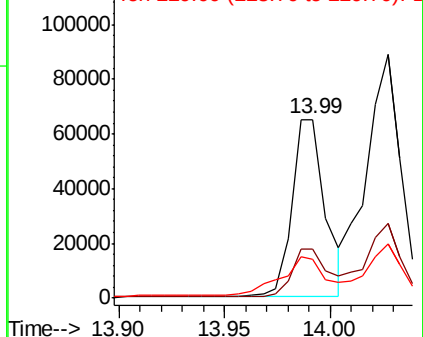
229 21.4 16.2 24.4

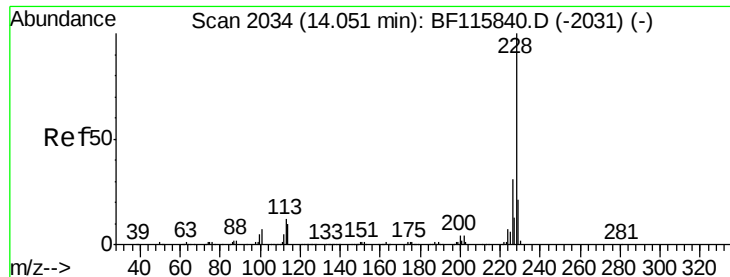


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

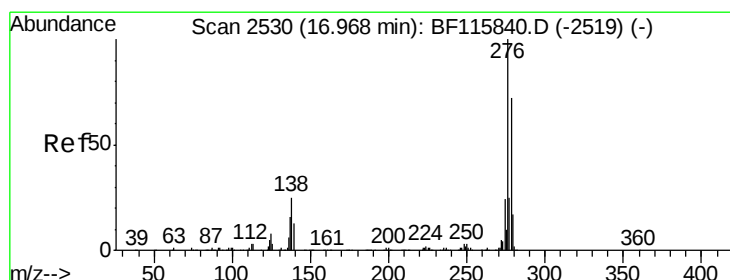
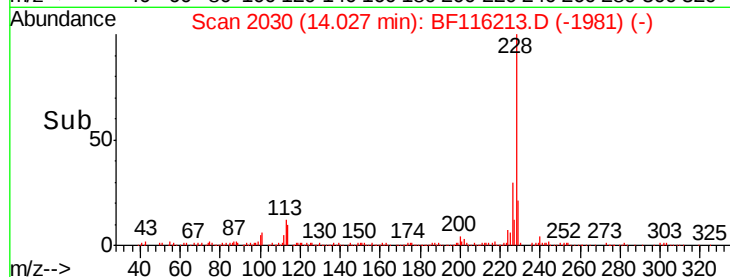
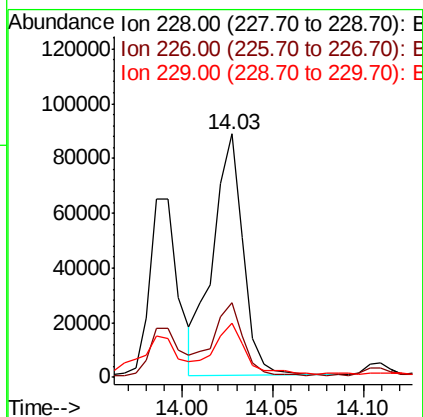
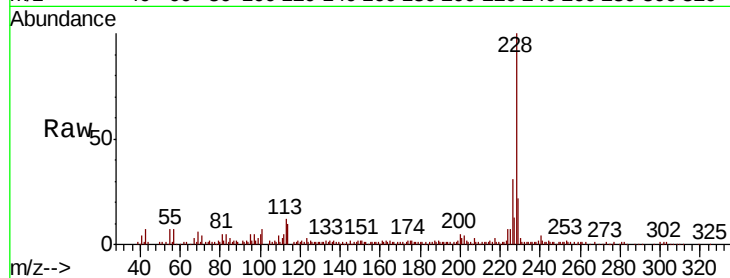




#83
Chrysene
Concen: 5.963 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

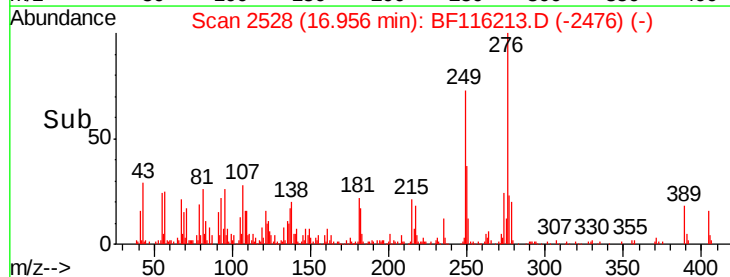
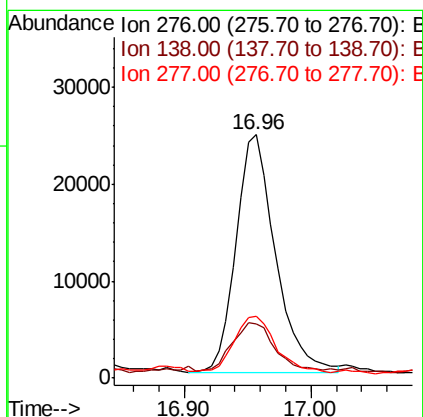
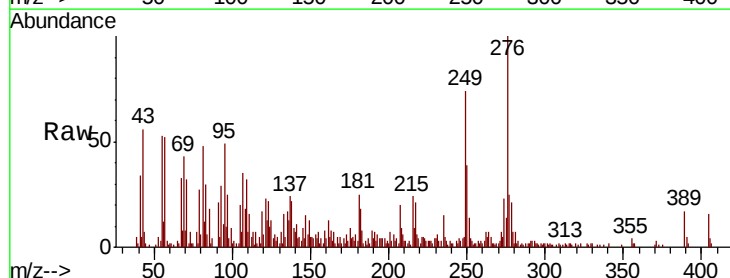
Instrument :
BNA_F
ClientSampleId :
RO-COMP-WS

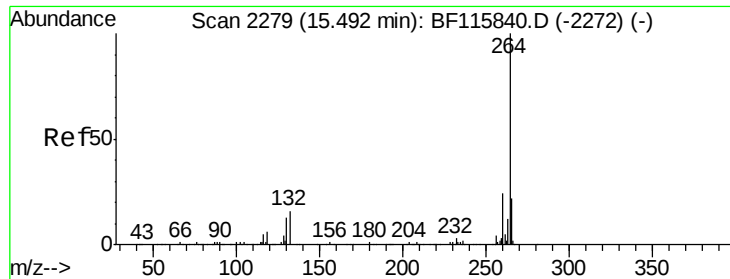
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.5	38.3
229	22.2	16.6	24.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.687 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.01 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	20.4	30.6
277	24.4	20.0	30.0

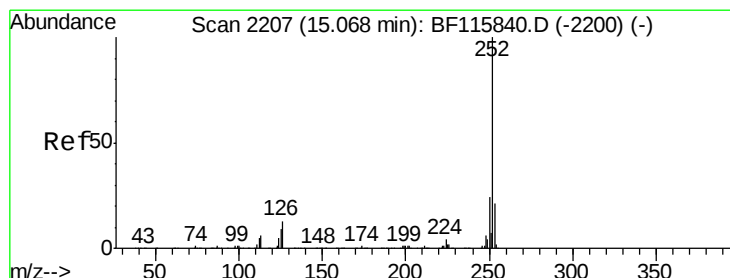
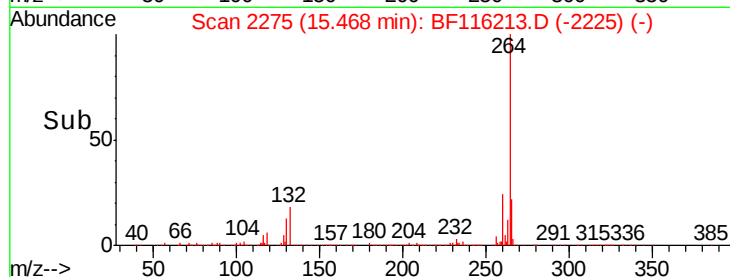
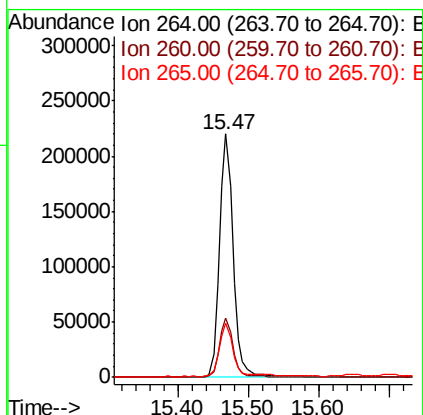
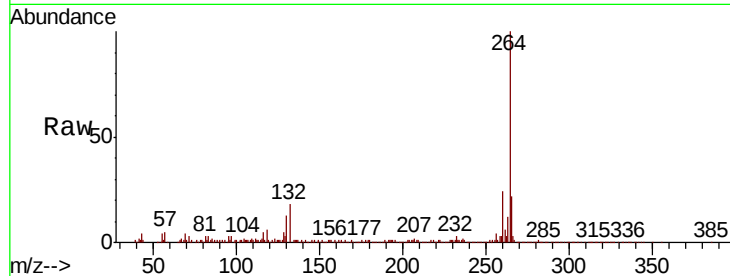




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

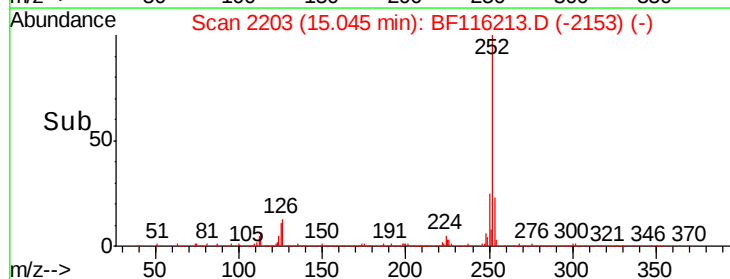
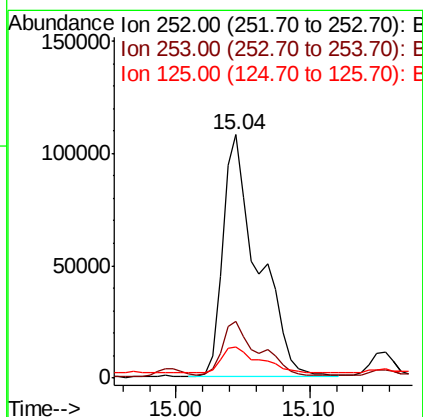
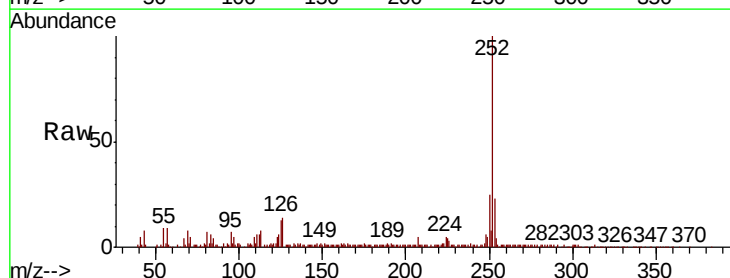
Instrument :
BNA_F
ClientSampleId :
RO-COMP-WS

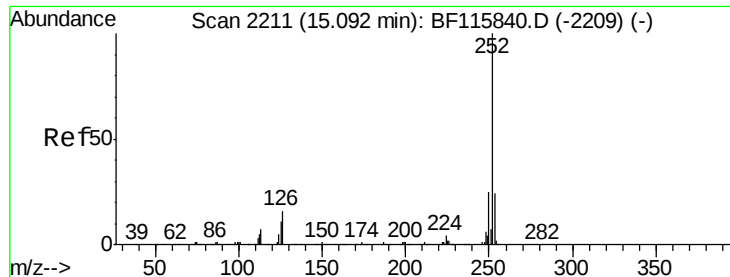
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.7	29.5
265	22.1	17.4	26.0



#88
Benzo(b)fluoranthene
Concen: 11.593 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	12.9	8.4	12.6#

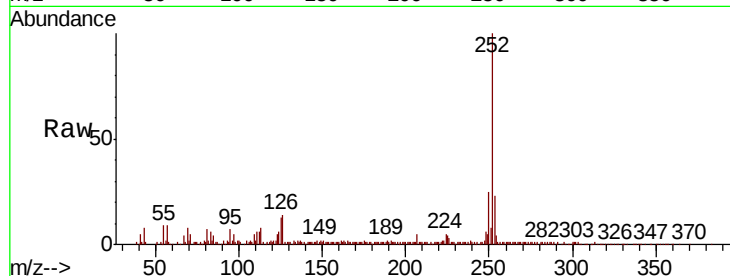




#89
Benzo(k)fluoranthene
Concen: 11.902 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Instrument :
BNA_F
ClientSampleId :
RO-COMP-WS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	12.9	7.7	11.5

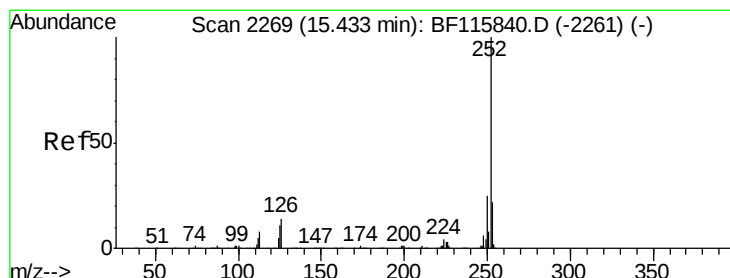
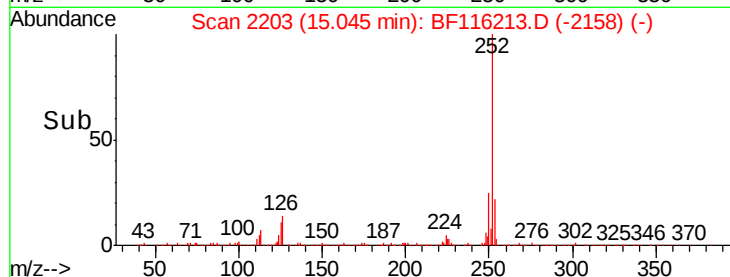
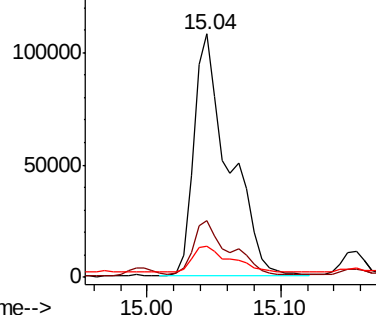


Abundance

Ion 252.00 (251.70 to 252.70): E

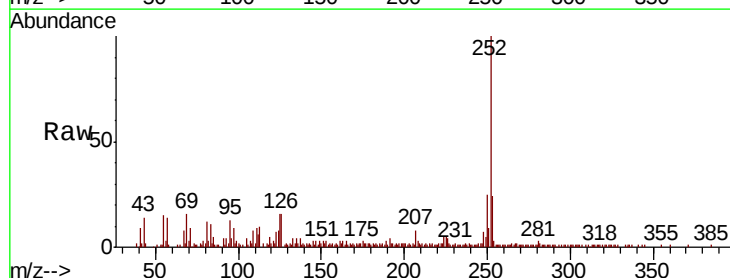
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 5.110 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	15.6	8.9	13.3

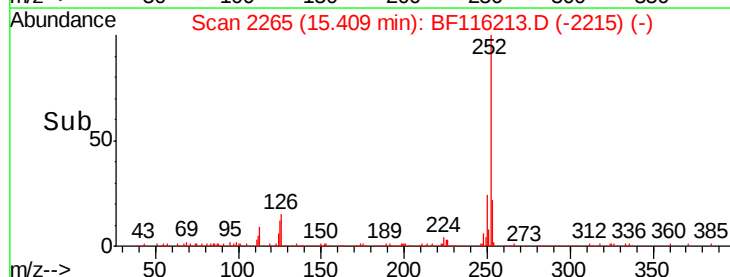
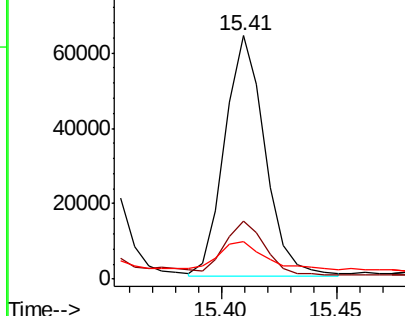


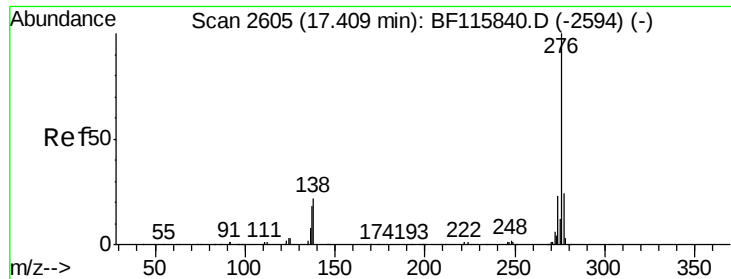
Abundance

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





#92
 Benzo(a,h,i)perylene
 Concen: 3.740 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. 0.02 min
 Lab File: BF116213.D
 Acq: 13 Aug 2019 2:23

Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP-WS

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.4	27.6
138	23.7	17.0	25.6

