

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
 Data File : BF116366.D
 Acq On : 17 Aug 2019 19:13
 Operator : HP/JU
 Sample : K4223-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 19 05:55:44 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

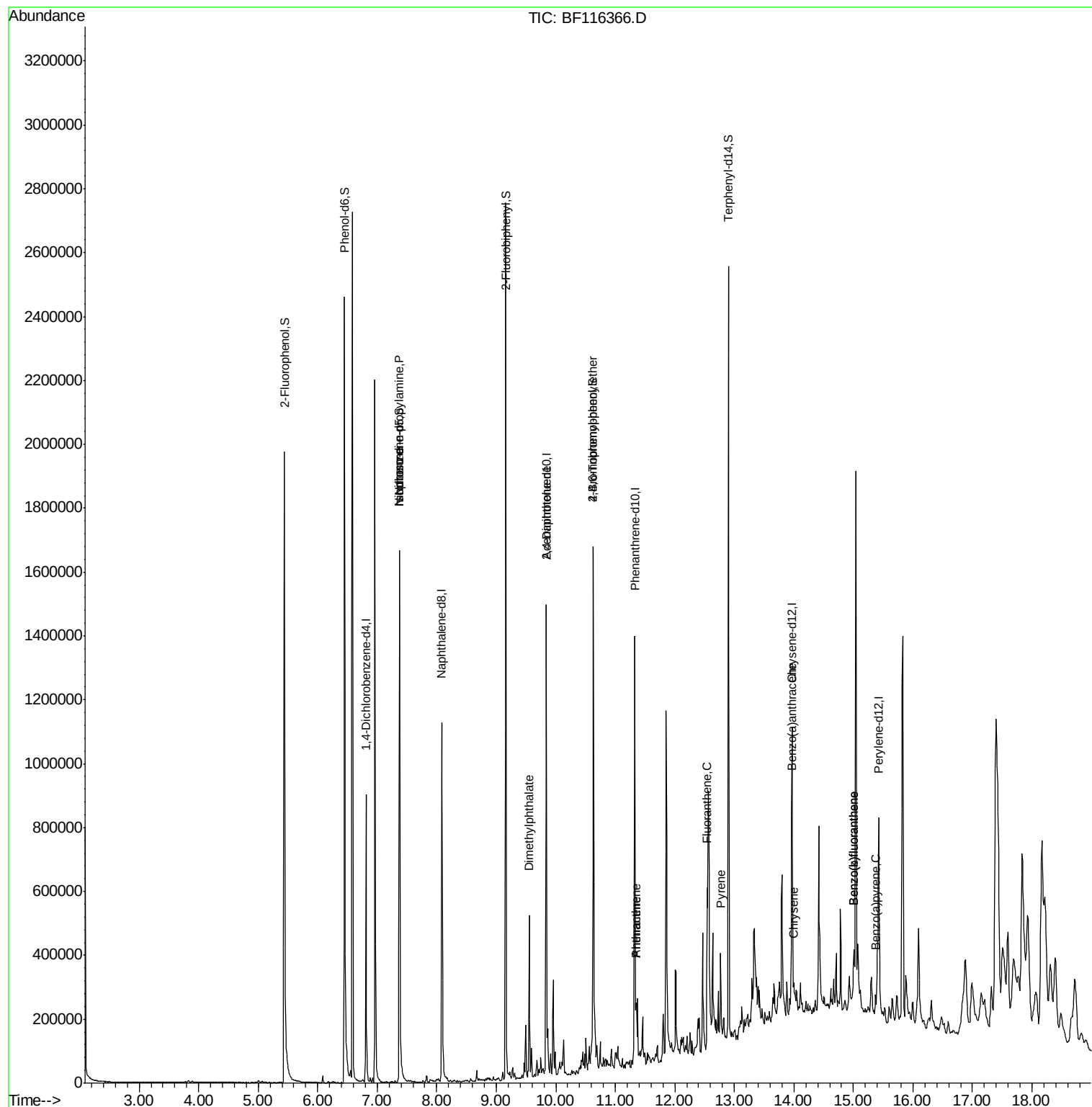
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	138732	20.00	ng	-0.04
21) Naphthalene-d8	8.09	136	537736	20.00	ng	-0.04
39) Acenaphthene-d10	9.84	164	275247	20.00	ng	-0.05
64) Phenanthrene-d10	11.33	188	444086	20.00	ng	-0.04
76) Chrysene-d12	13.97	240	274036	20.00	ng	-0.04
87) Perylene-d12	15.43	264	304631	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	737474	88.99	ng	-0.03
7) Phenol-d6	6.45	99	943796	90.27	ng	-0.04
23) Nitrobenzene-d5	7.37	82	605245	64.97	ng	-0.04
42) 2,4,6-Tribromophenol	10.63	330	229146	85.87	ng	-0.04
45) 2-Fluorobiphenyl	9.16	172	889582	60.54	ng	-0.04
79) Terphenyl-d14	12.90	244	744773	57.27	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	79951	12.340	ng	# 78
25) Isophorone	7.37	82	605242	33.977	ng	# 65
50) Dimethylphthalate	9.56	163	208648	11.133	ng	99
57) 2,4-Dinitrotoluene	9.84	165	34756	6.409	ng	# 21
67) 4-Bromophenyl-phenylether	10.63	248	13814	2.906	ng	# 1
71) Phenanthrene	11.35	178	51368	2.263	ng	98
72) Anthracene	11.35	178	51368	2.236	ng	100
75) Fluoranthene	12.54	202	100855	4.243	ng	99
78) Pyrene	12.77	202	85080	4.119	ng	98
81) Benzo(a)anthracene	13.96	228	37042	2.115	ng	97
83) Chrysene	14.00	228	38892	2.287	ng	98
88) Benzo(b)fluoranthene	15.01	252	70319	3.992	ng	# 88
89) Benzo(k)fluoranthene	15.01	252	70319	4.099	ng	# 88
90) Benzo(a)pyrene	15.37	252	32280	2.050	ng	# 92

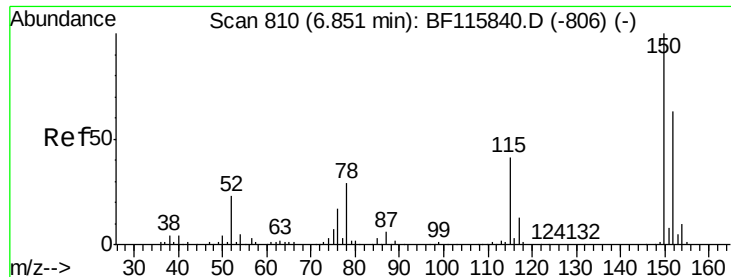
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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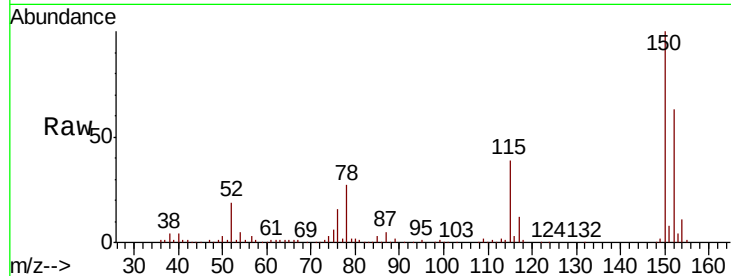


#1

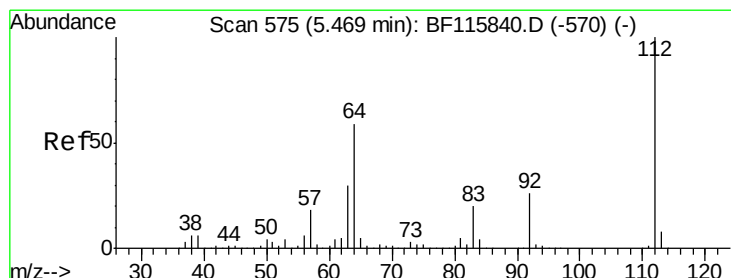
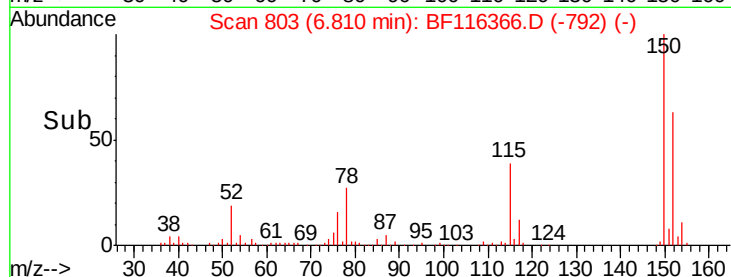
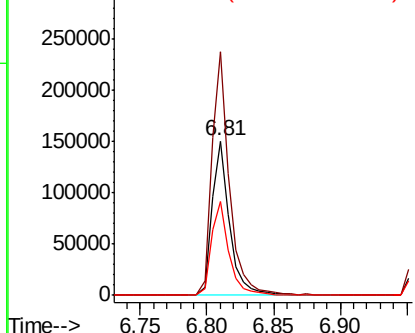
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.04 min
Lab File: BF116366.D
Acq: 17 Aug 2019 19:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138732
Ion Ratio Lower Upper
152 100
150 157.7 126.2 189.2
115 61.0 49.9 74.9



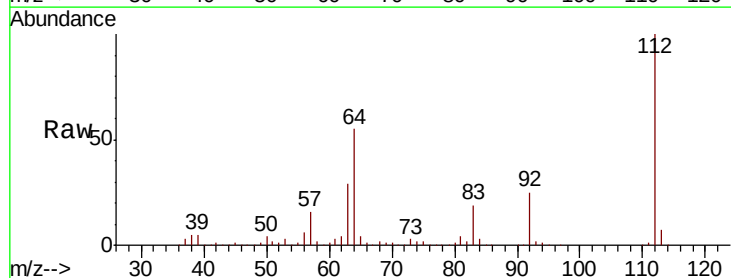
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



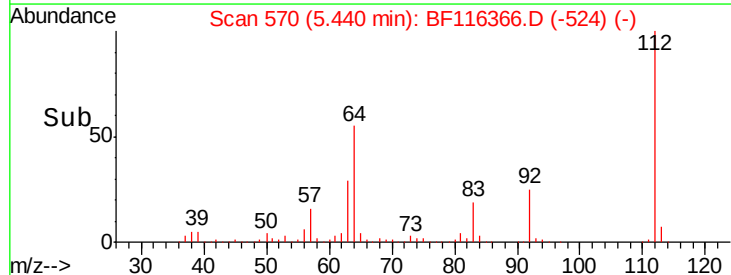
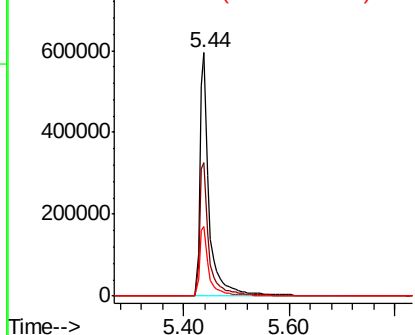
#5

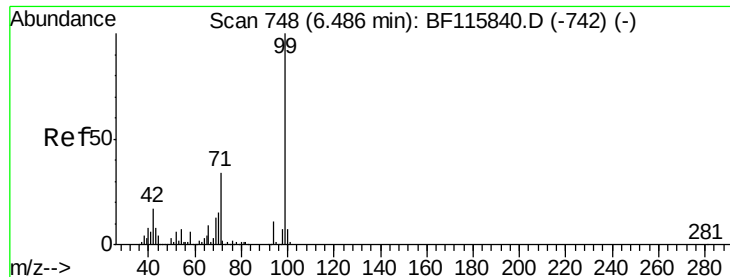
2-Fluorophenol
Concen: 88.990 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.03 min
Lab File: BF116366.D
Acq: 17 Aug 2019 19:13

Tgt Ion:112 Resp: 737474
Ion Ratio Lower Upper
112 100
64 54.9 45.4 68.2
63 28.8 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: 90.266 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.04 min

Lab File: BF116366.D

Acq: 17 Aug 2019 19:13

Instrument :

BNA_F

ClientSampleId :

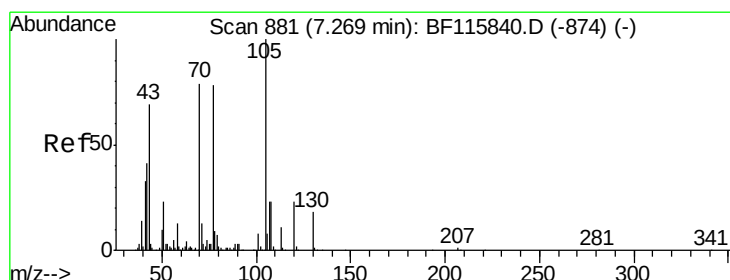
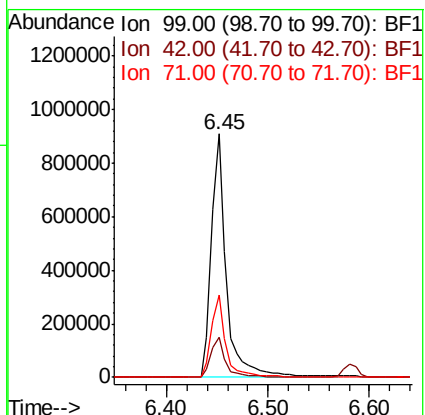
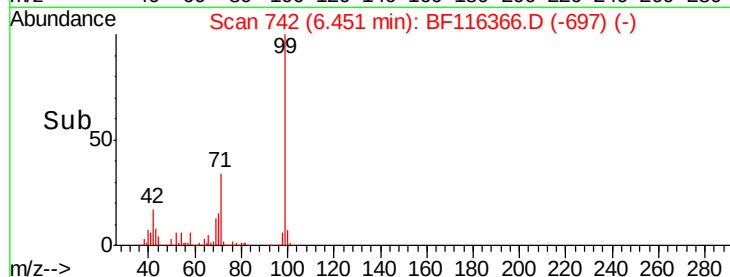
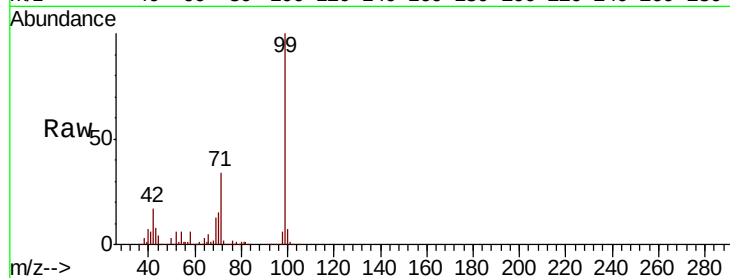
Tot Ion: 99 Resp: 943796

Ion Ratio Lower Upper

99 100

42 16.5 13.8 20.8

71 33.9 27.3 40.9



#19

n-Nitroso-di-n-propylamine

Concen: 12.340 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.11 min

Lab File: BF116366.D

Acq: 17 Aug 2019 19:13

Tgt Ion: 70 Resp: 79951

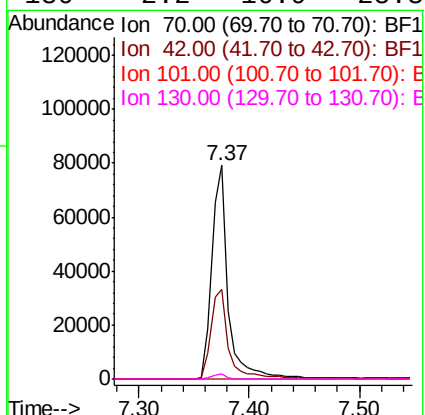
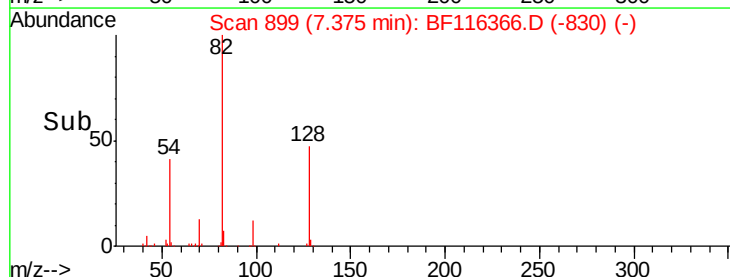
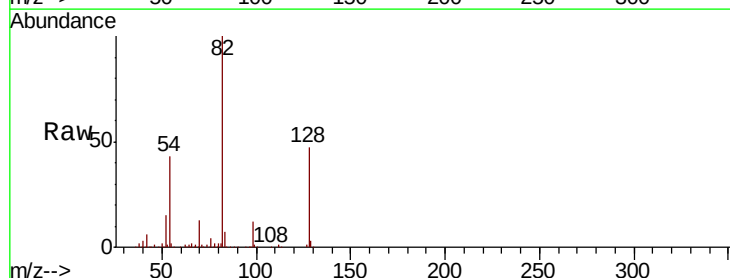
Ion Ratio Lower Upper

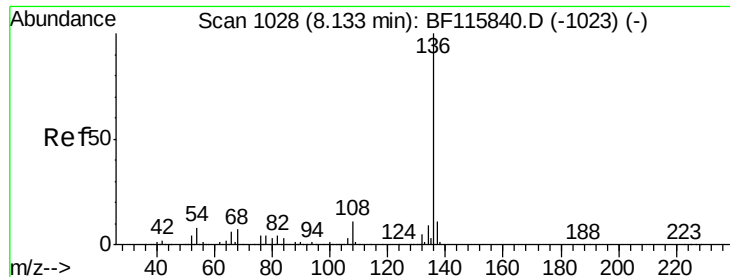
70 100

42 41.7 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#

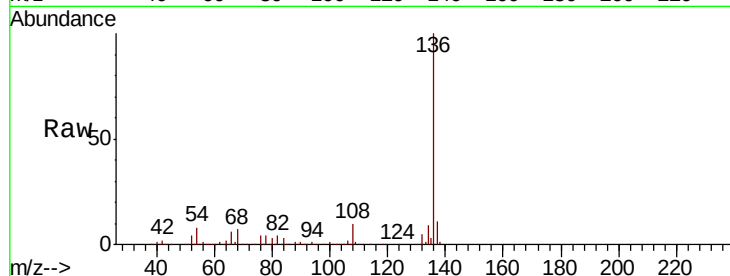




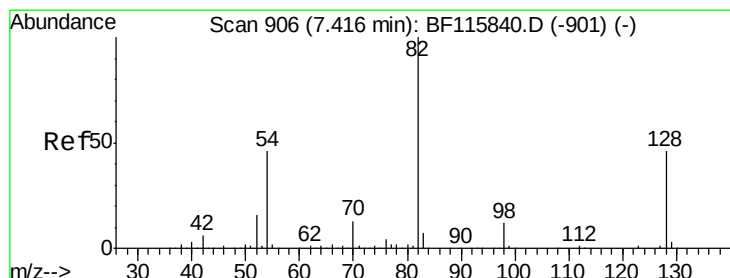
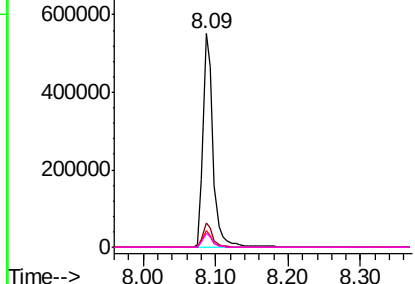
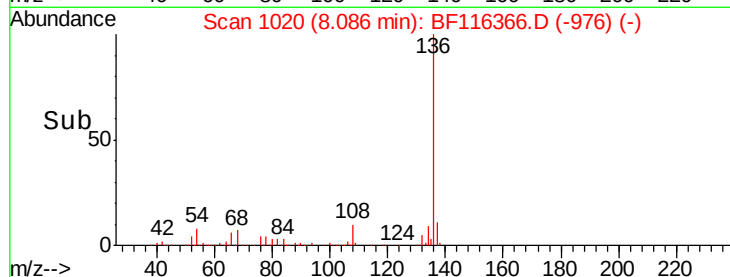
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.04 min
Lab File: BF116366.D
Acq: 17 Aug 2019 19:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	537736
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.0 13.4
54	7.7	5.8 8.6
68	6.6	5.2 7.8

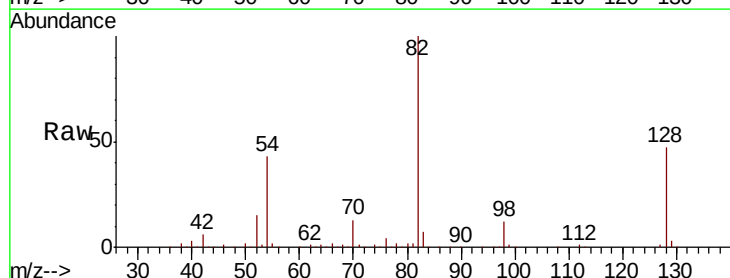


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

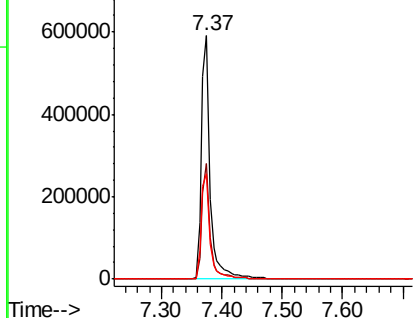
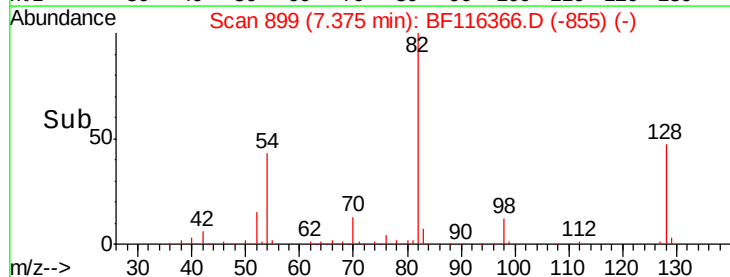


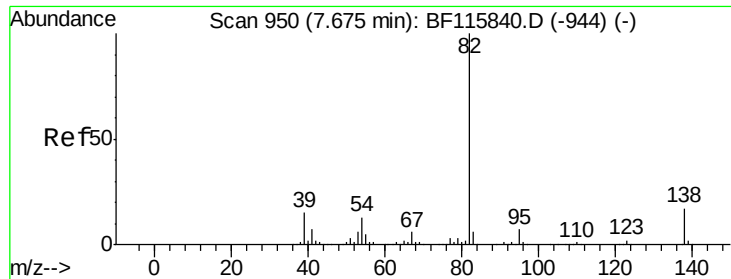
#23
Nitrobenzene-d5
Concen: 64.970 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.04 min
Lab File: BF116366.D
Acq: 17 Aug 2019 19:13

Tgt Ion: 82	Resp:	605245
Ion Ratio	Lower	Upper
82	100	
128	47.2	36.5 54.7
54	43.3	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: 33.977 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.30 min

Lab File: BF116366.D

Acq: 17 Aug 2019 19:13

Instrument :

BNA_F

ClientSampleId :

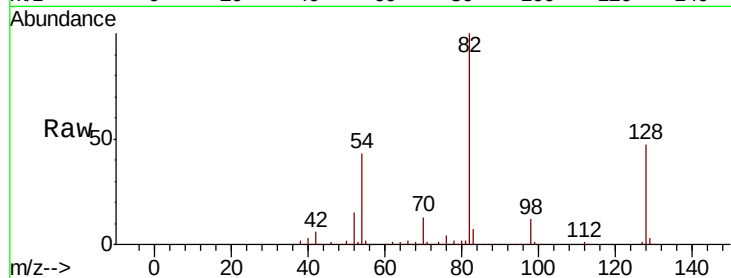
Tot Ion: 82 Resp: 605242

Ion Ratio Lower Upper

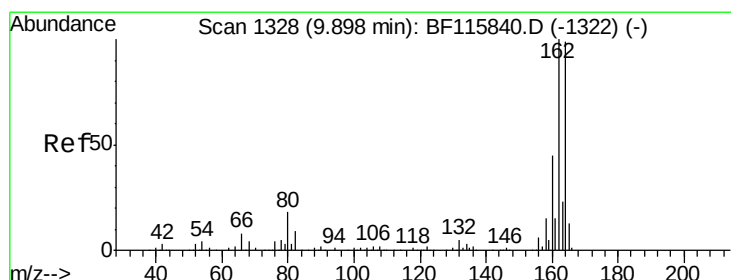
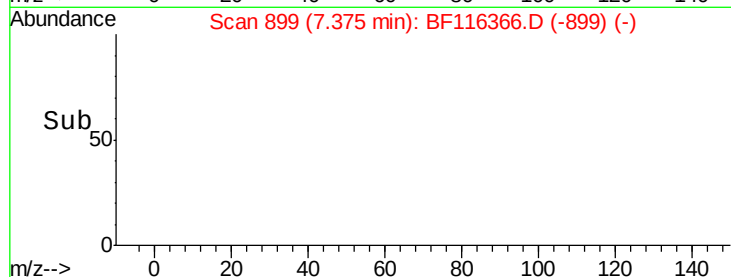
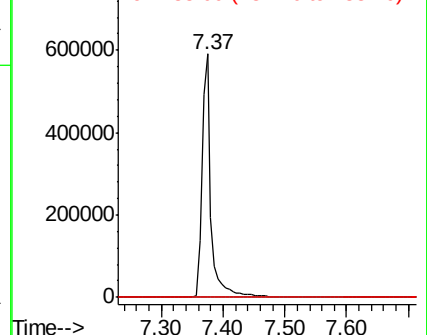
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.05 min

Lab File: BF116366.D

Acq: 17 Aug 2019 19:13

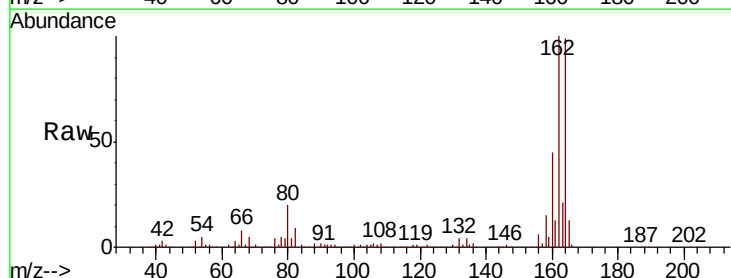
Tgt Ion:164 Resp: 275247

Ion Ratio Lower Upper

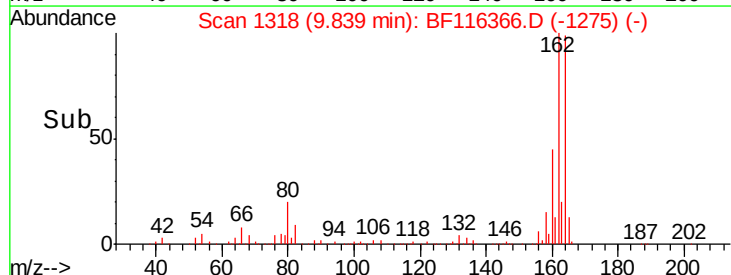
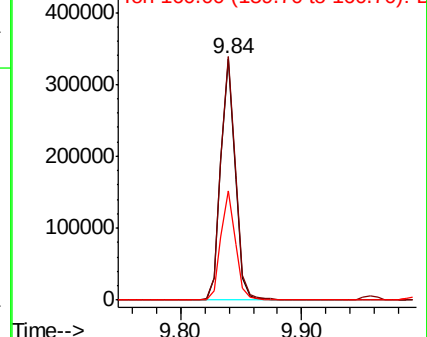
164 100

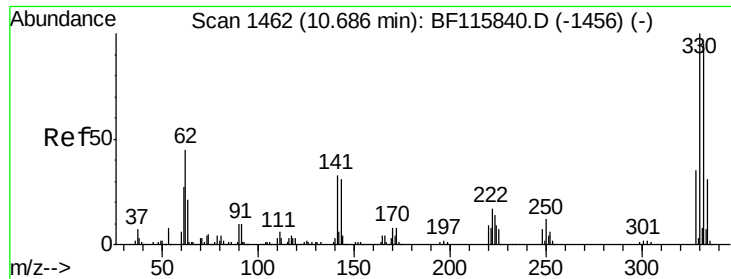
162 100.8 82.6 124.0

160 45.5 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: 85.868 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.04 min

Lab File: BF116366.D

Acq: 17 Aug 2019 19:13

Instrument :

BNA_F

ClientSampleId :

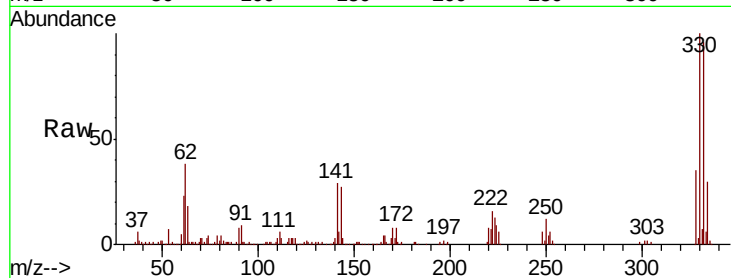
Tot Ion:330 Resp: 229146

Ion Ratio Lower Upper

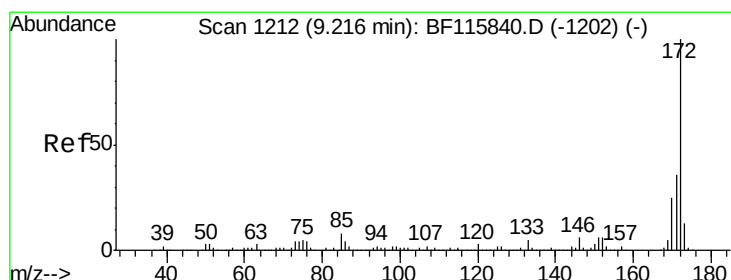
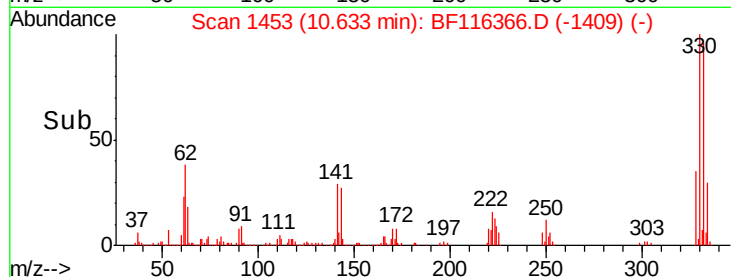
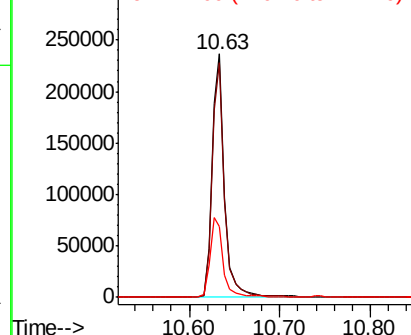
330 100

332 95.9 76.8 115.2

141 35.2 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: 60.537 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.04 min

Lab File: BF116366.D

Acq: 17 Aug 2019 19:13

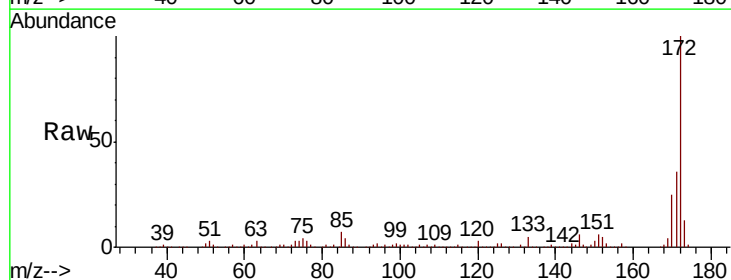
Tgt Ion:172 Resp: 889582

Ion Ratio Lower Upper

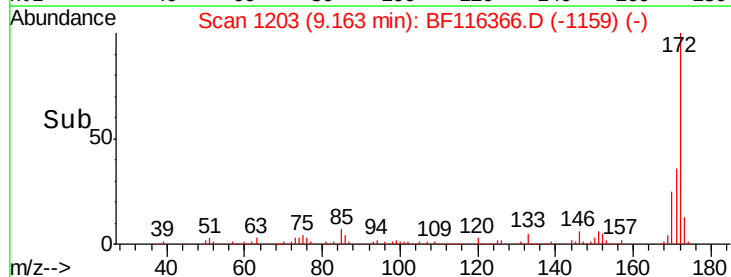
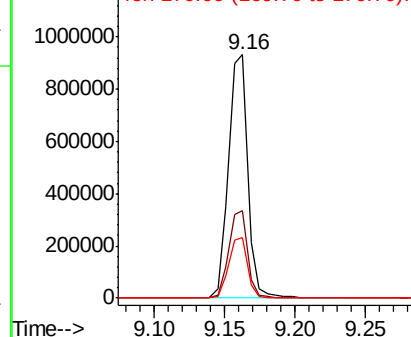
172 100

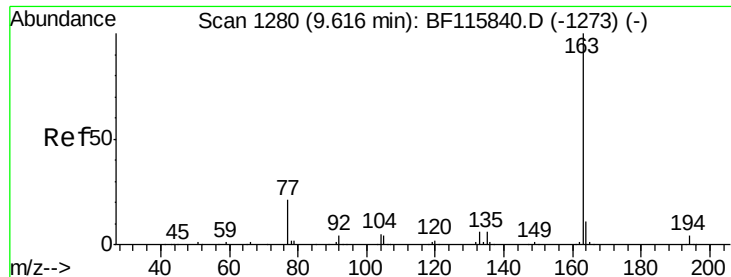
171 36.2 29.6 44.4

170 24.7 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: 11.133 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.05 min

Lab File: BF116366.D

Acq: 17 Aug 2019 19:13

Instrument :

BNA_F

ClientSampleId :

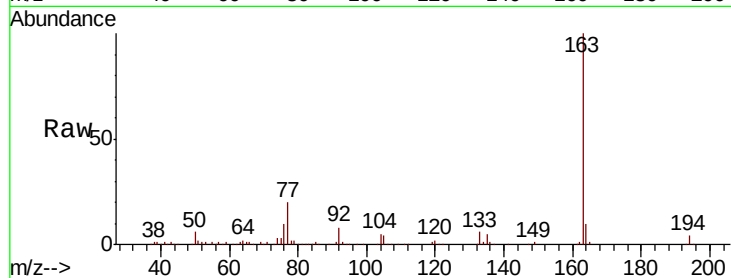
Tot Ion:163 Resp: 208648

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

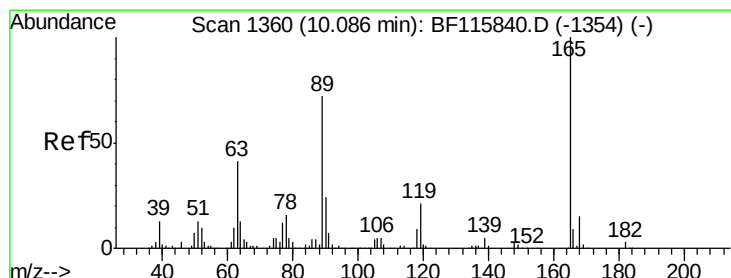
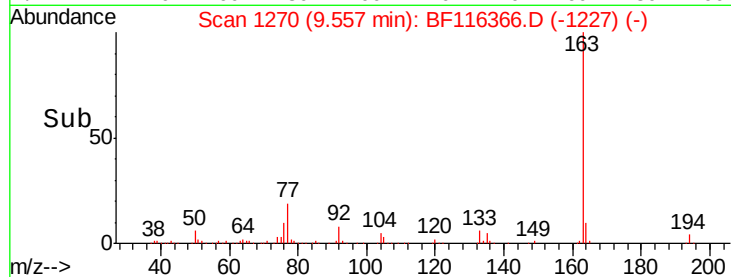
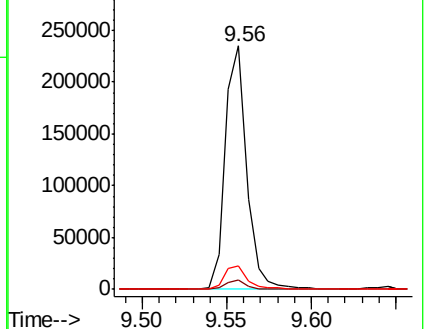
164 9.8 8.4 12.6



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: 6.409 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.24 min

Lab File: BF116366.D

Acq: 17 Aug 2019 19:13

Tgt Ion:165 Resp: 34756

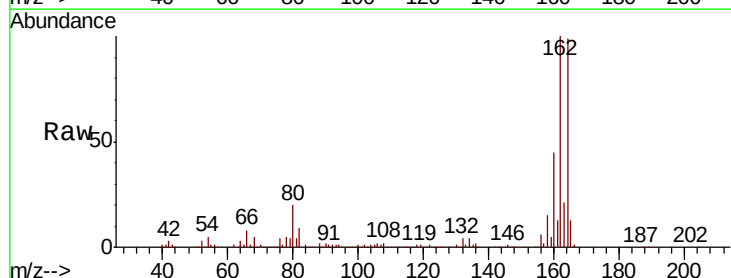
Ion Ratio Lower Upper

165 100

63 1.5 39.6 59.4#

89 1.4 62.2 93.2#

182 0.0 2.1 3.1#

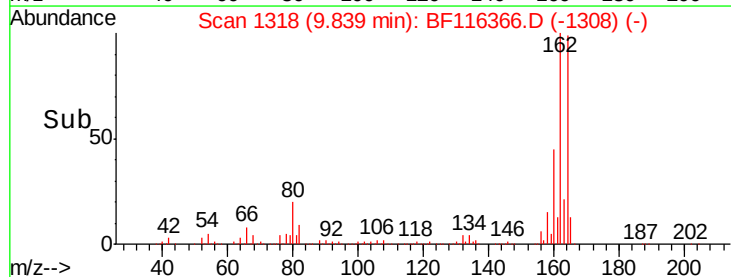
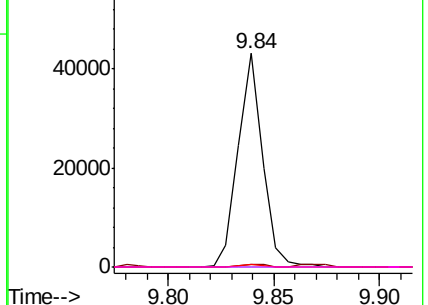


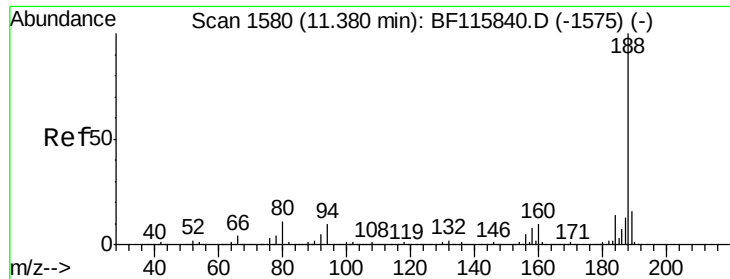
Abundance Ion 165.00 (164.70 to 165.70): E

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

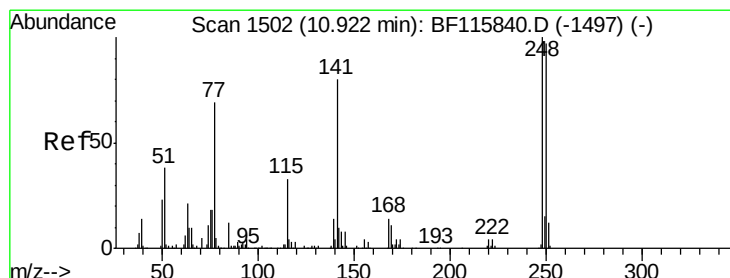
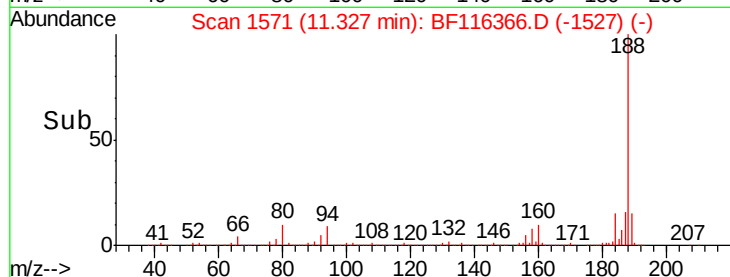
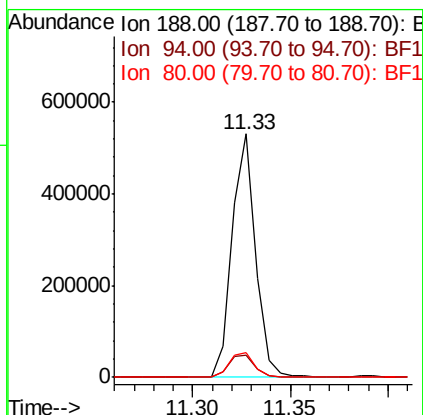
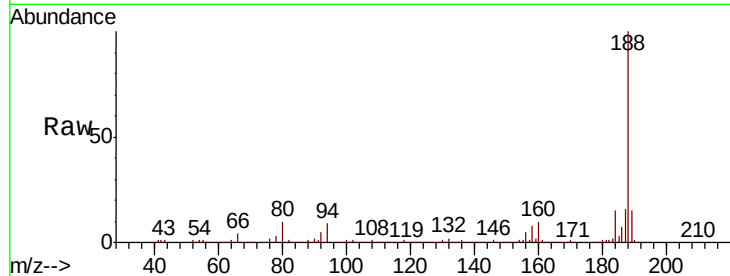




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.04 min
 Lab File: BF116366.D
 Acq: 17 Aug 2019 19:13

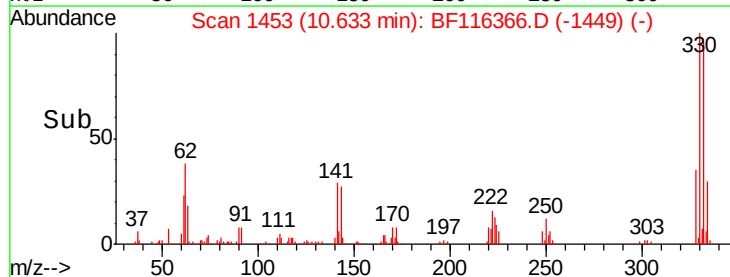
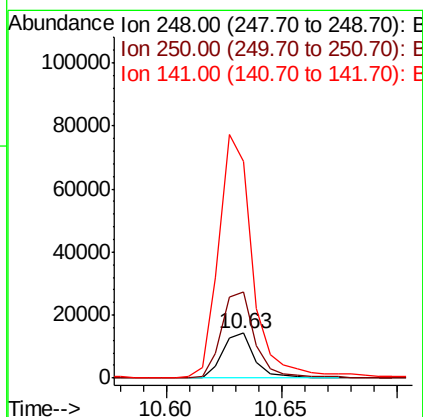
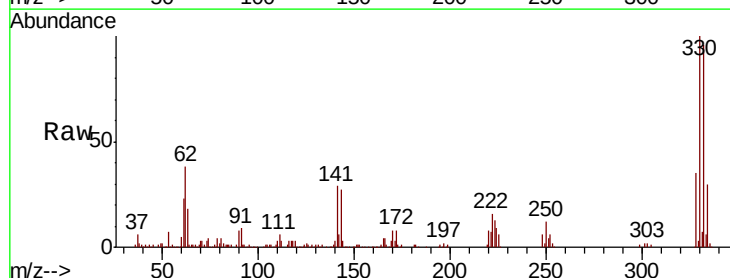
Instrument :
 BNA_F
 ClientSampleId :

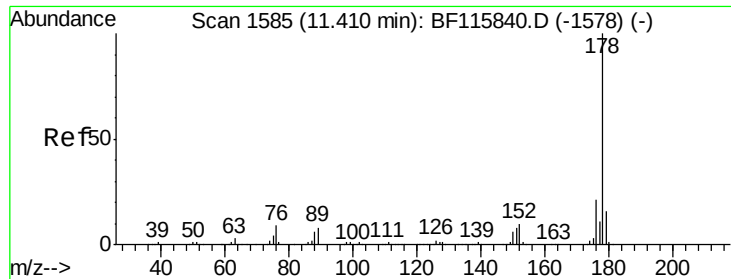
Tot Ion:188 Resp: 444086
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.1 12.1
 80 10.0 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 2.906 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.28 min
 Lab File: BF116366.D
 Acq: 17 Aug 2019 19:13

Tgt Ion:248 Resp: 13814
 Ion Ratio Lower Upper
 248 100
 250 194.0 77.4 116.2#
 141 484.6 56.8 85.2#

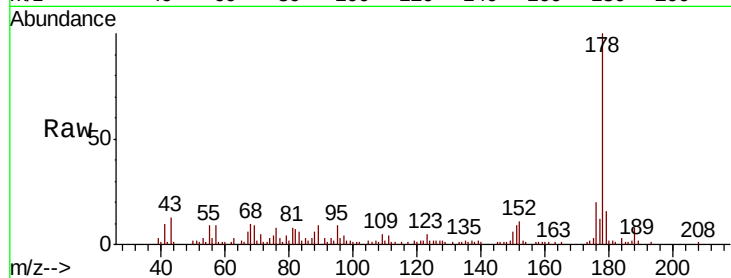




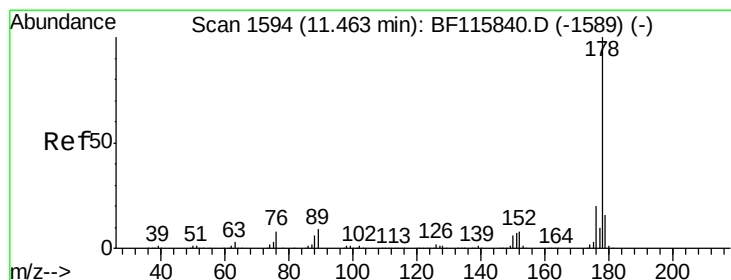
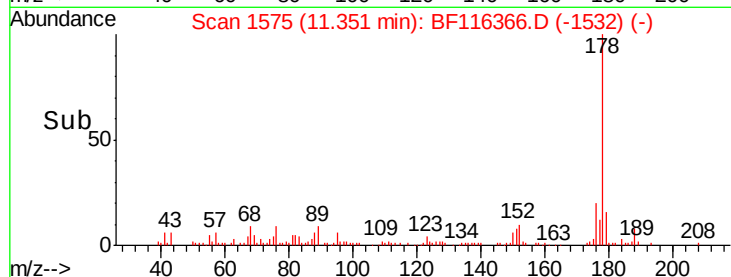
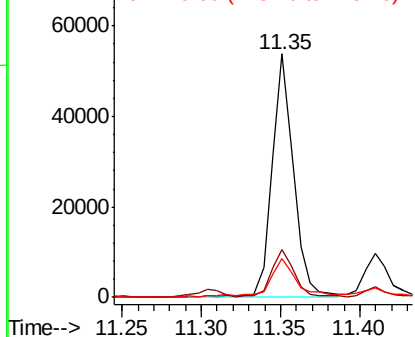
#71
 Phenanthrene
 Concen: 2.263 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.05 min
 Lab File: BF116366.D
 Acq: 17 Aug 2019 19:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 51368
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.6 24.8
 179 16.2 12.5 18.7

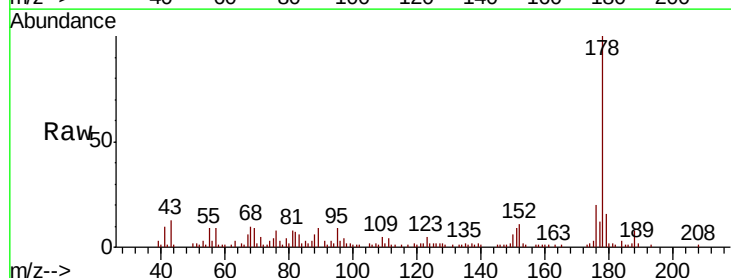


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

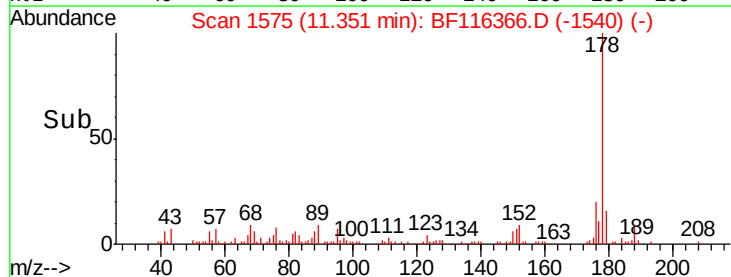
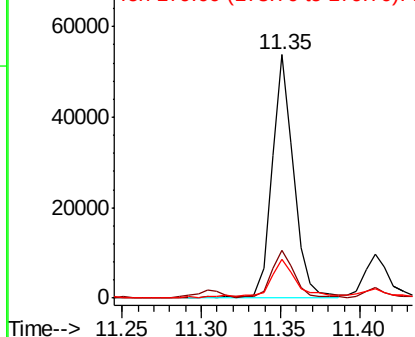


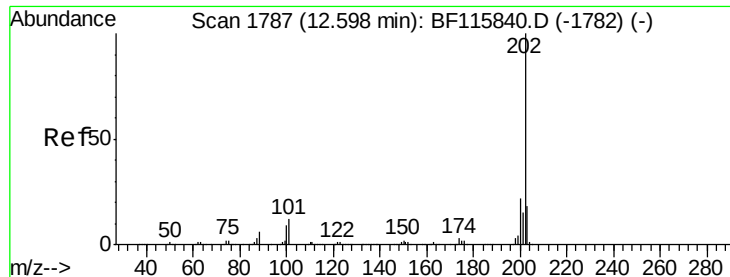
#72
 Anthracene
 Concen: 2.236 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.09 min
 Lab File: BF116366.D
 Acq: 17 Aug 2019 19:13

Tgt Ion:178 Resp: 51368
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.7 23.5
 179 16.2 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

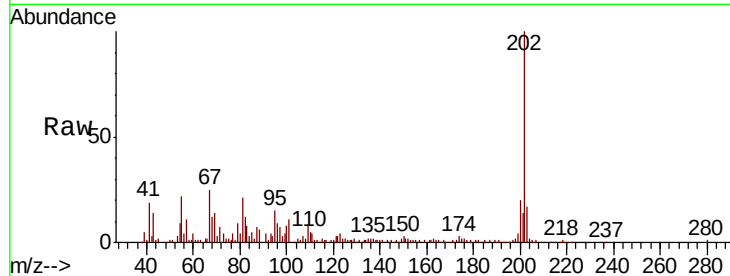




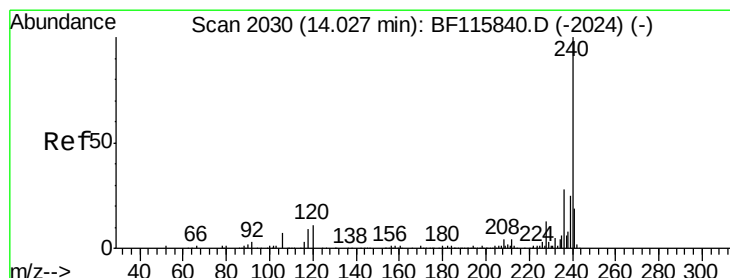
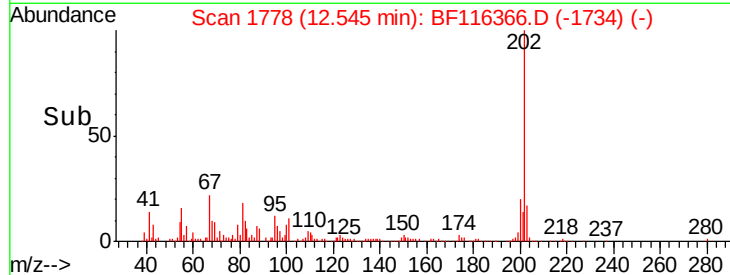
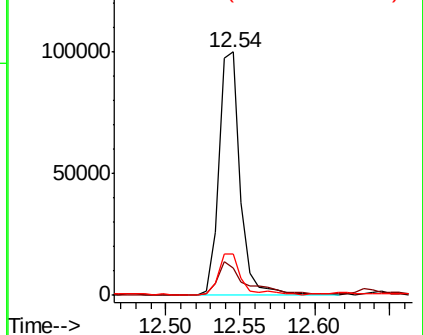
#75
Fluoranthene
Concen: 4.243 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.04 min
Lab File: BF116366.D
Acq: 17 Aug 2019 19:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.2
203	17.2	0.0	37.8

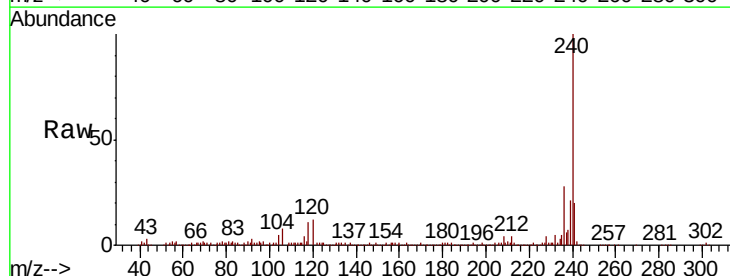


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

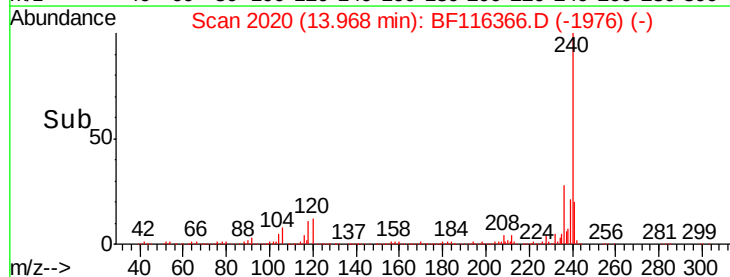
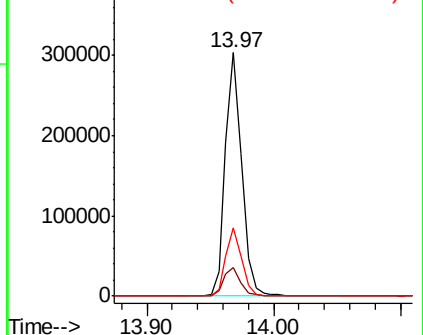


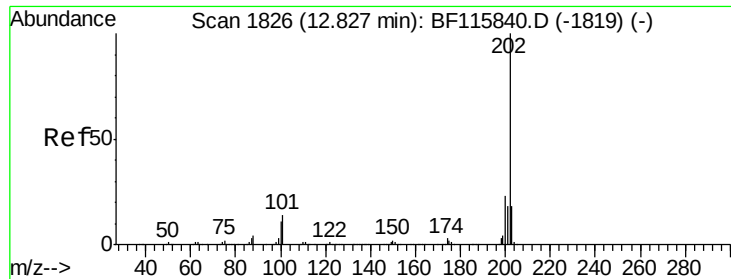
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.04 min
Lab File: BF116366.D
Acq: 17 Aug 2019 19:13

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.9	10.7	16.1
236	27.9	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

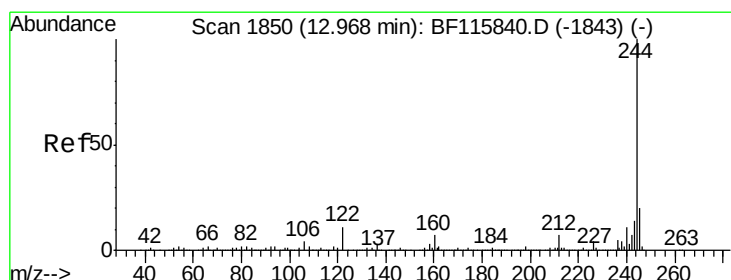
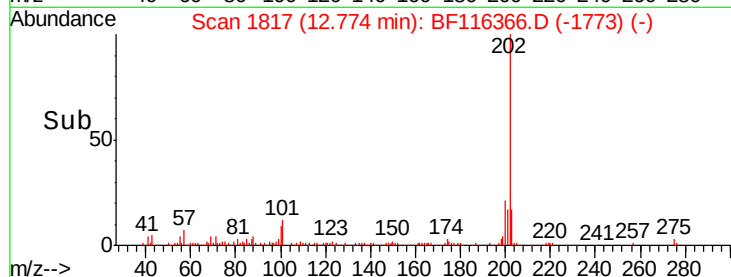
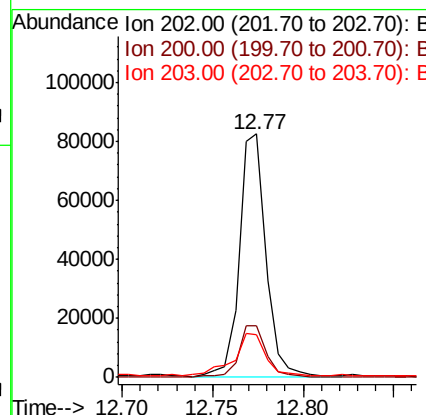
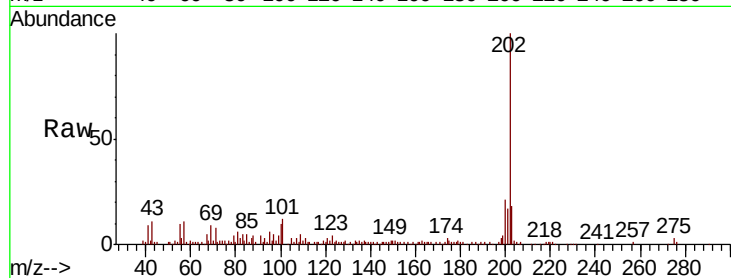




#78
Pvrene
Concen: 4.119 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.04 min
Lab File: BF116366.D
Acq: 17 Aug 2019 19:13

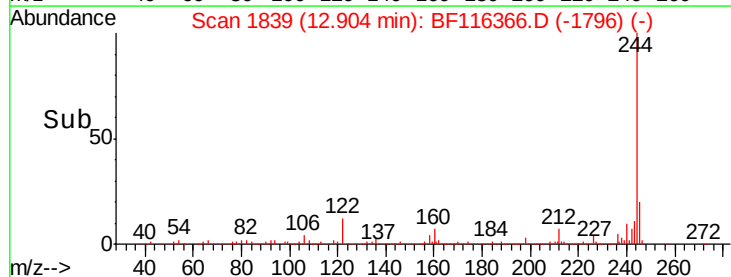
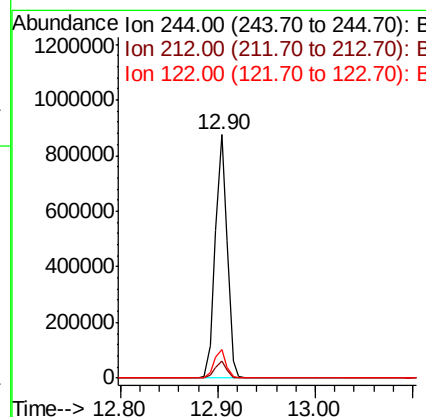
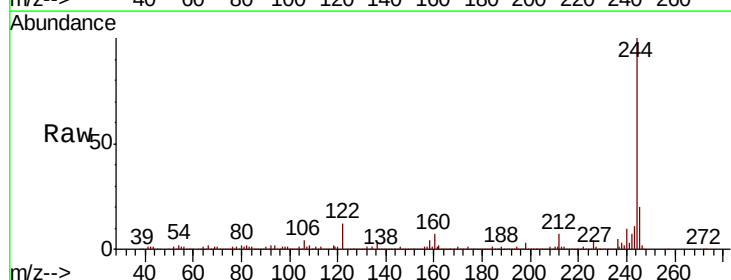
Instrument :
BNA_F
ClientSampleId :

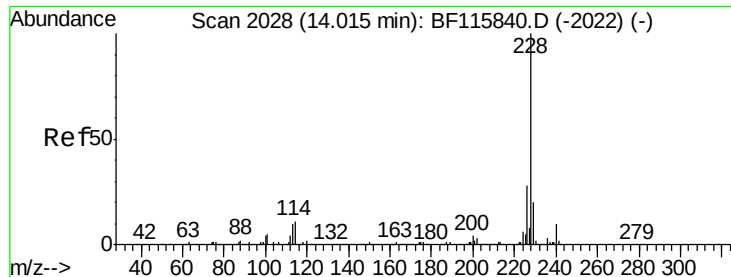
Tot Ion:202 Resp: 85080
Ion Ratio Lower Upper
202 100
200 21.0 18.0 27.0
203 17.6 14.1 21.1



#79
Terphenyl-d14
Concen: 57.268 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.05 min
Lab File: BF116366.D
Acq: 17 Aug 2019 19:13

Tgt Ion:244 Resp: 744773
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 11.8 9.0 13.4

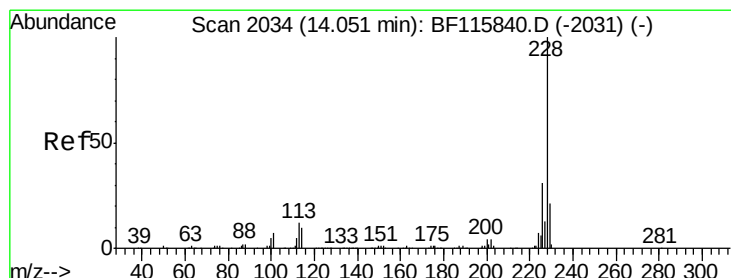
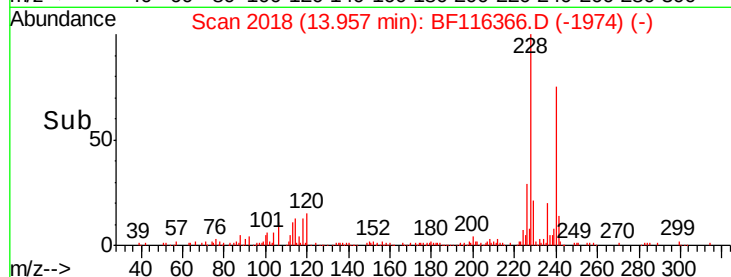
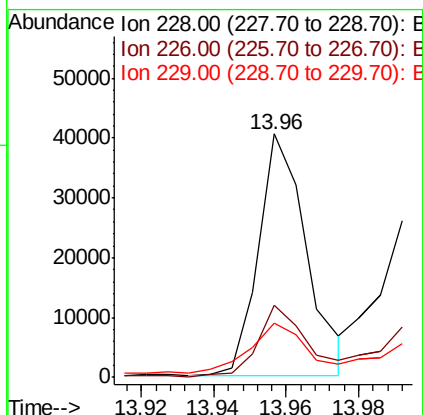
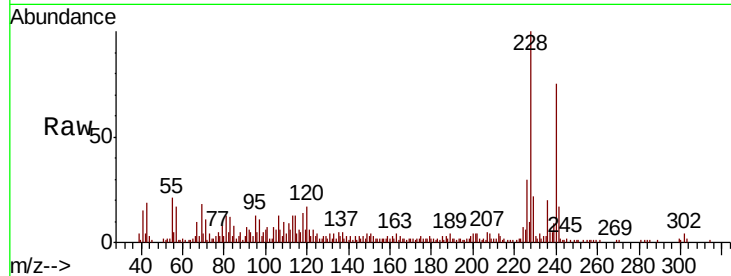




#81
Benzo(a)anthracene
Concen: 2.115 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.04 min
Lab File: BF116366.D
Acq: 17 Aug 2019 19:13

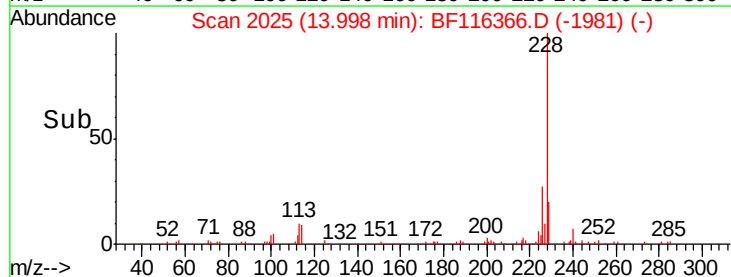
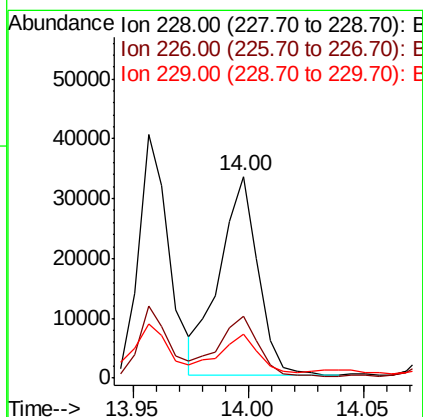
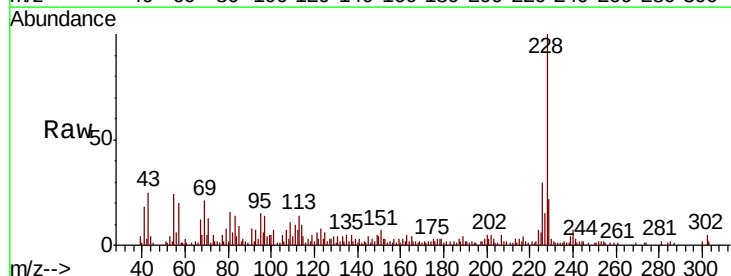
Instrument :
BNA_F
ClientSampled :

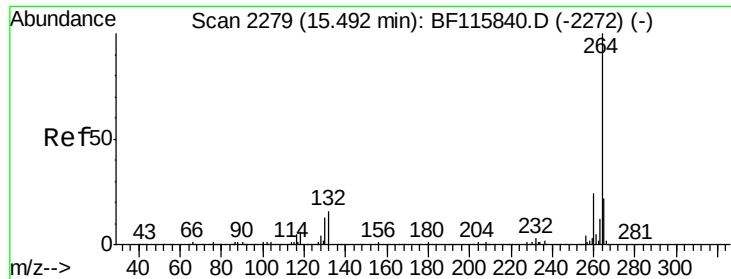
Tot Ion:228 Resp: 37042
Ion Ratio Lower Upper
228 100
226 29.7 22.7 34.1
229 22.2 16.2 24.4



#83
Chrysene
Concen: 2.287 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.04 min
Lab File: BF116366.D
Acq: 17 Aug 2019 19:13

Tgt Ion:228 Resp: 38892
Ion Ratio Lower Upper
228 100
226 30.5 25.5 38.3
229 21.7 16.6 24.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.05 min

Lab File: BF116366.D

Acq: 17 Aug 2019 19:13

Instrument :

BNA_F

ClientSampleId :

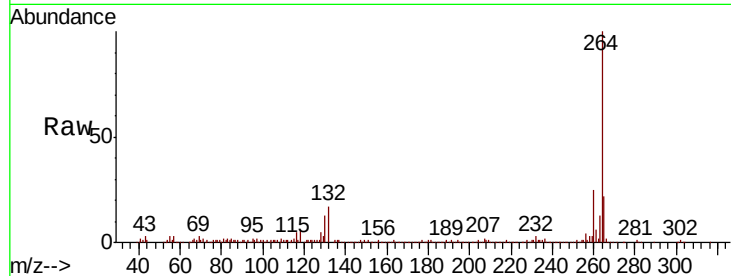
Tot Ion:264 Resp: 304631

Ion Ratio Lower Upper

264 100

260 25.1 19.7 29.5

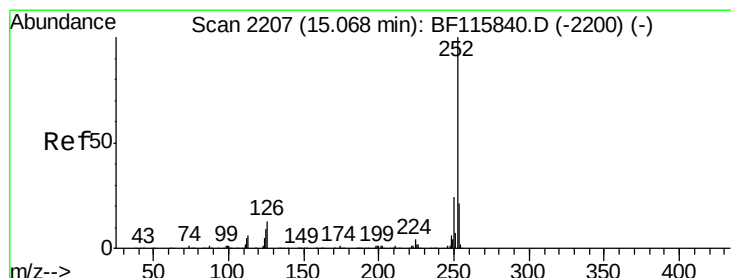
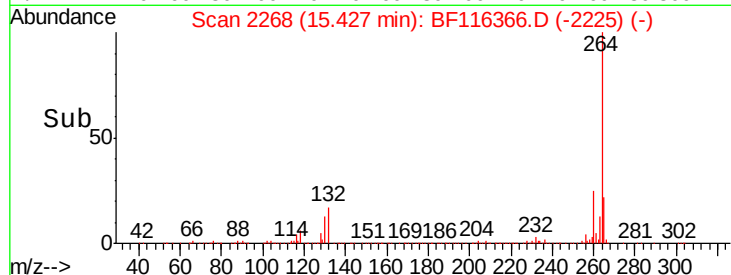
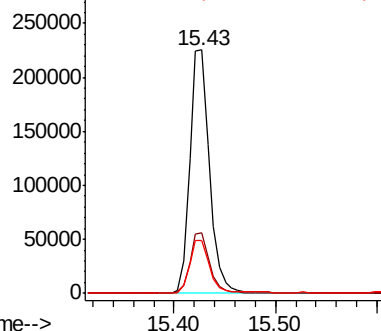
265 21.9 17.4 26.0



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: 3.992 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.04 min

Lab File: BF116366.D

Acq: 17 Aug 2019 19:13

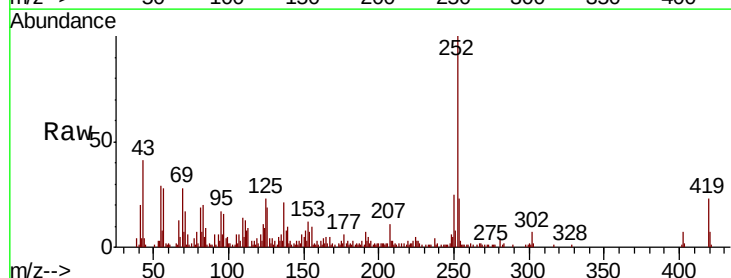
Tgt Ion:252 Resp: 70319

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

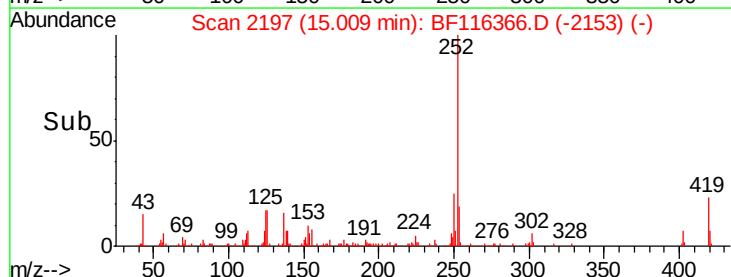
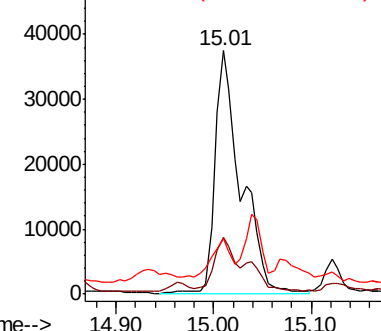
125 22.6 8.4 12.6#

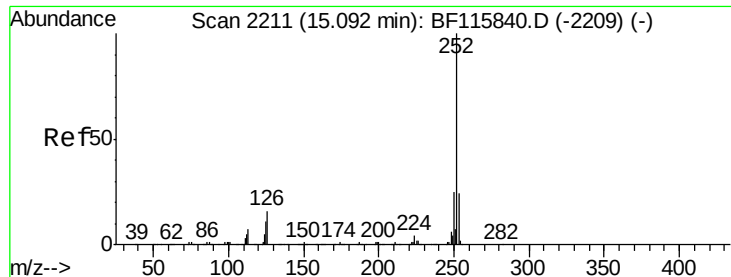


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 4.099 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.07 min

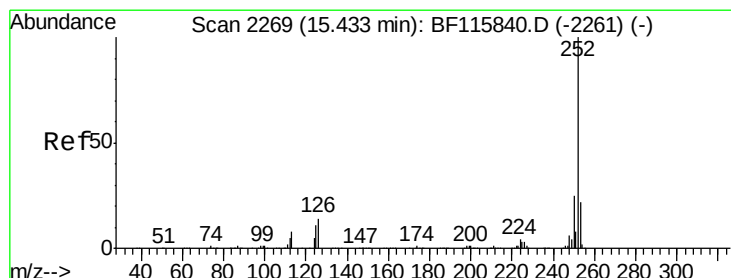
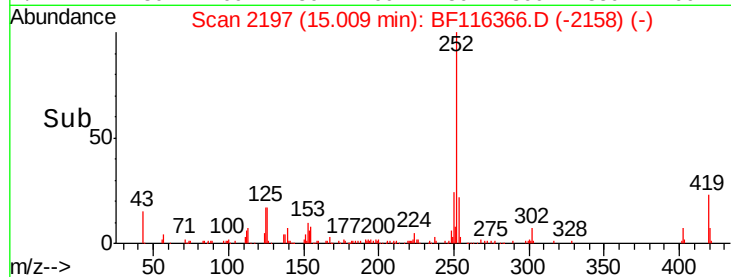
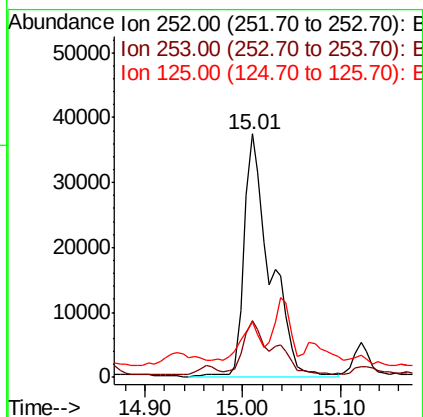
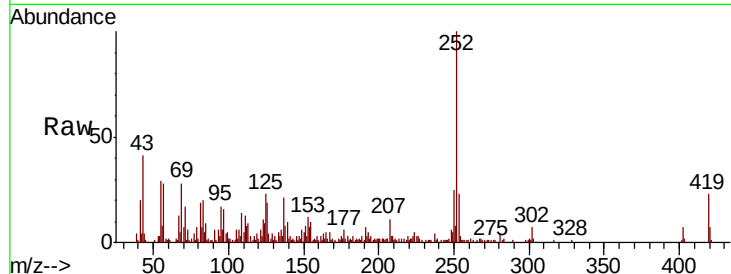
Lab File: BF116366.D

Acq: 17 Aug 2019 19:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 70319

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	22.6	7.7	11.5



#90

Benzo(a)pyrene

Concen: 2.050 ng

RT: 15.37 min Scan# 2259

Delta R.T. -0.04 min

Lab File: BF116366.D

Acq: 17 Aug 2019 19:13

Tgt Ion:252 Resp: 32280

Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	16.5	8.9	13.3

