

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116173.D
 Acq On : 11 Aug 2019 4:05
 Operator : HP/JU
 Sample : K4293-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 12 04:24:24 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

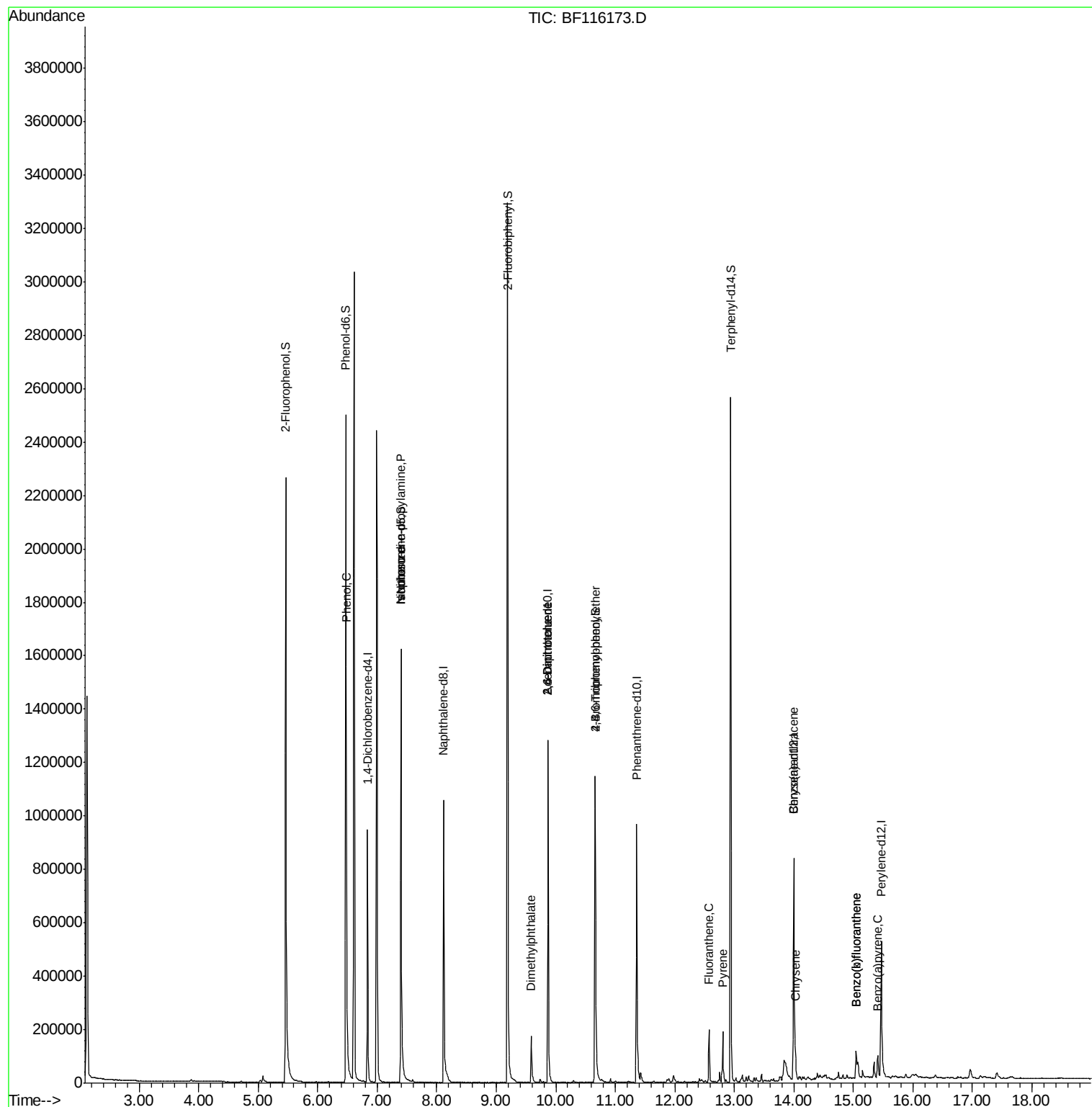
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	152676	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	585694	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	281471	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	414745	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	286140	20.00	ng	-0.01
87) Perylene-d12	15.47	264	276883	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	779193	85.44	ng	0.00
7) Phenol-d6	6.47	99	998329	86.76	ng	-0.01
23) Nitrobenzene-d5	7.40	82	652899	64.35	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	185663	68.03	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1135537	75.57	ng	-0.01
79) Terphenyl-d14	12.94	244	925938	68.19	ng	-0.01
Target Compounds						
10) Phenol	6.49	94	30399	2.243	ng	95
19) n-Nitroso-di-n-propylamine	7.40	70	85041	11.927	ng	# 80
25) Isophorone	7.40	82	652935	33.653	ng	# 65
50) Dimethylphthalate	9.59	163	106407	5.552	ng	99
51) 2,6-Dinitrotoluene	9.87	165	35805	8.597	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	35806	6.457	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	11183	2.519	ng	# 1
75) Fluoranthene	12.57	202	88624	3.993	ng	99
78) Pyrene	12.80	202	85922	3.983	ng	97
81) Benzo(a)anthracene	13.99	228	47352	2.589	ng	97
83) Chrysene	14.03	228	46260	2.605	ng	98
88) Benzo(b)fluoranthene	15.04	252	82277	5.139	ng	97
89) Benzo(k)fluoranthene	15.04	252	82277	5.276	ng	# 96
90) Benzo(a)pyrene	15.41	252	44628	3.118	ng	99

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

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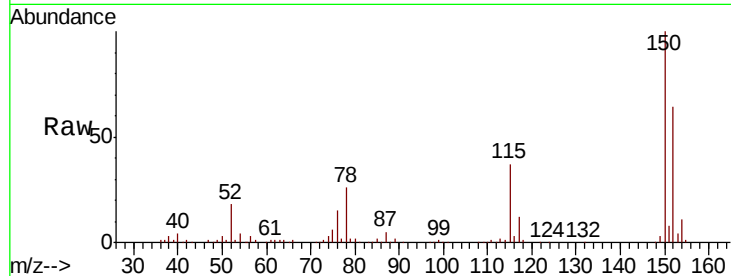


#1

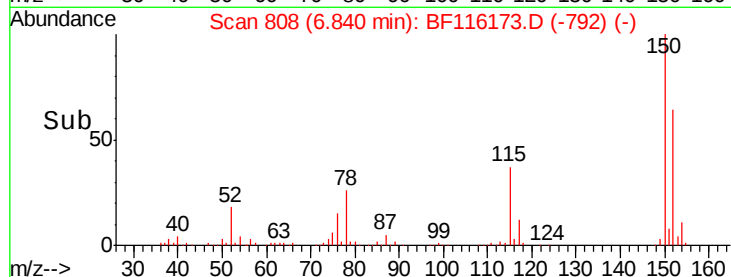
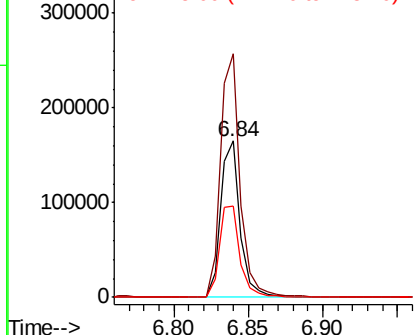
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF116173.D
 Acq: 11 Aug 2019 4:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	126.2	189.2
115	58.2	49.9	74.9



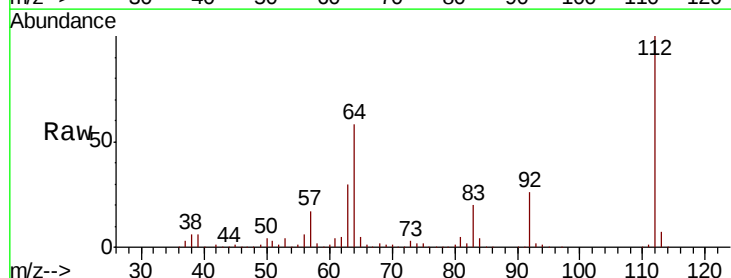
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



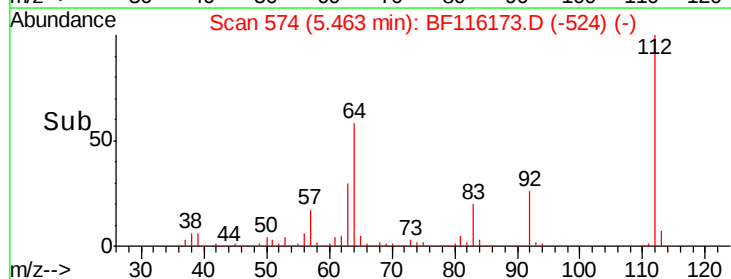
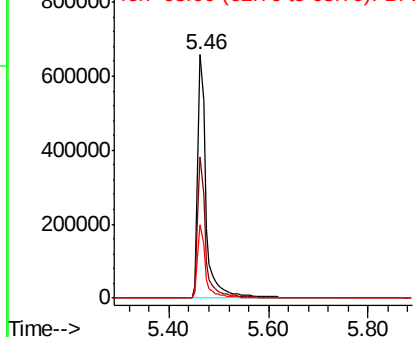
#5

2-Fluorophenol
 Concen: 85.437 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF116173.D
 Acq: 11 Aug 2019 4:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	45.4	68.2
63	30.3	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: 86.761 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116173.D

Acq: 11 Aug 2019 4:05

Instrument :

BNA_F

ClientSampleId :

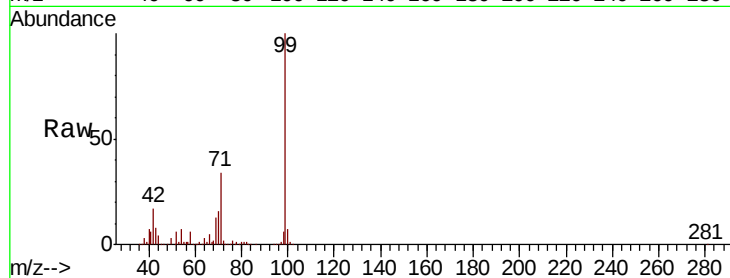
Tot Ion: 99 Resp: 998329

Ion Ratio Lower Upper

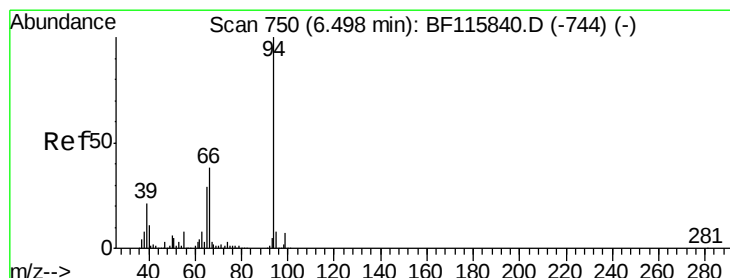
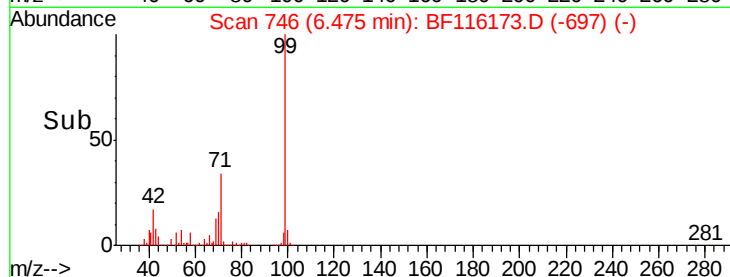
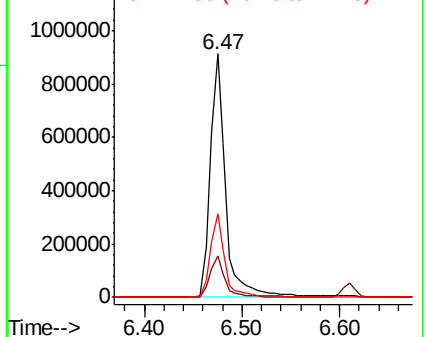
99 100

42 17.0 13.8 20.8

71 34.4 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: 2.243 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF116173.D

Acq: 11 Aug 2019 4:05

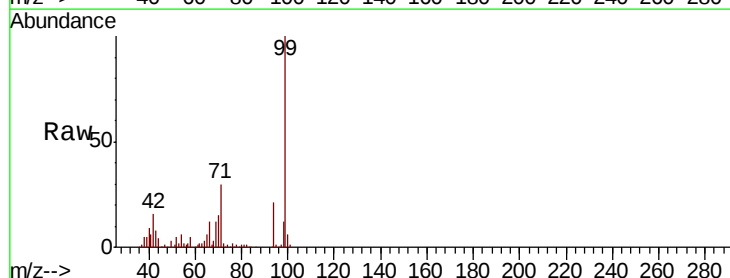
Tgt Ion: 94 Resp: 30399

Ion Ratio Lower Upper

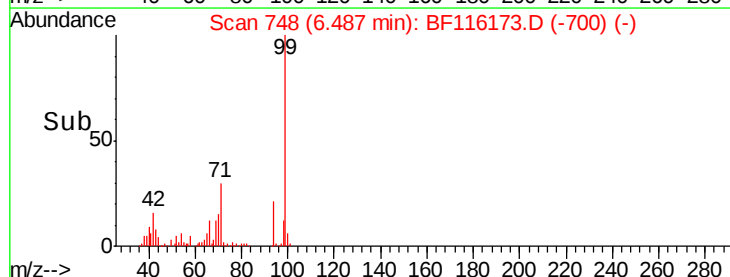
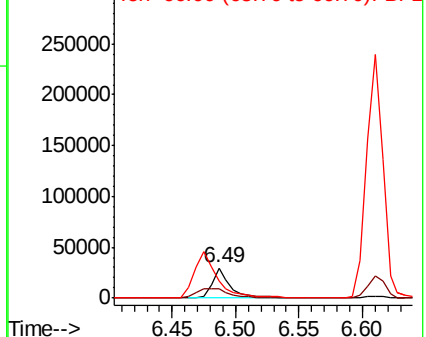
94 100

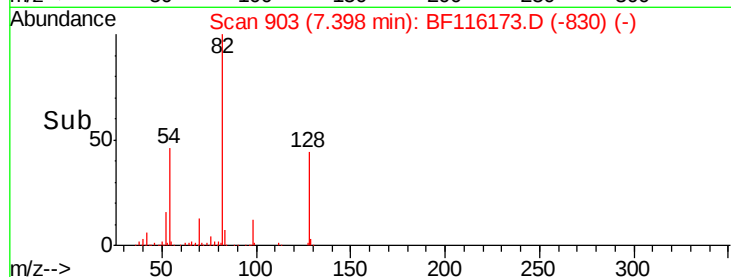
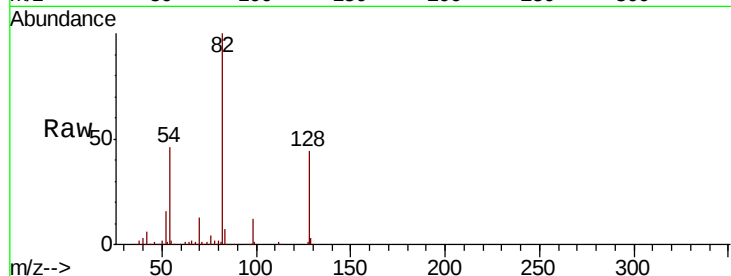
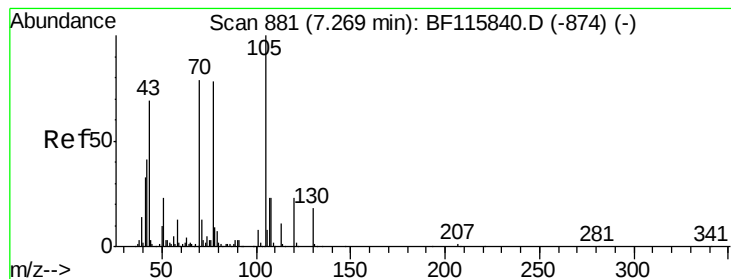
65 30.9 16.8 56.8

66 55.8 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: 11.927 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116173.D

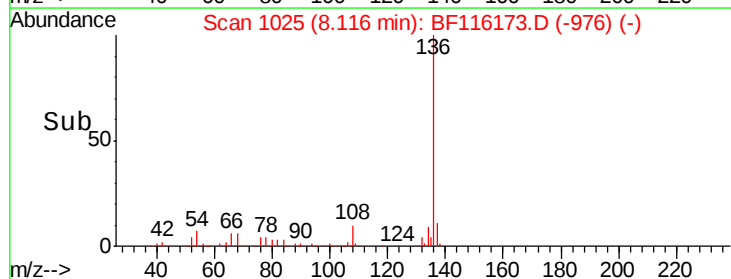
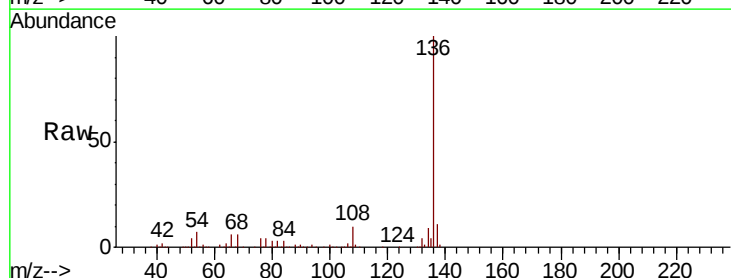
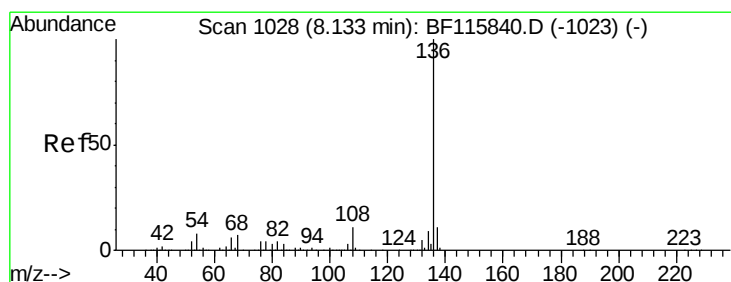
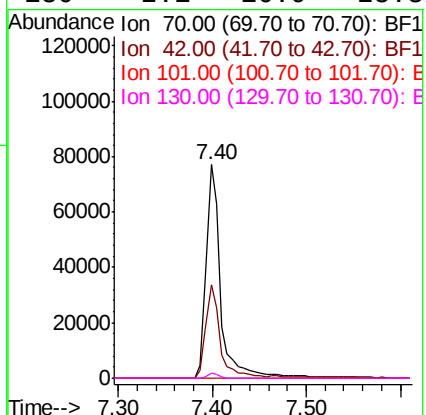
Acq: 11 Aug 2019 4:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	85041
Ion	Ratio	Lower	Upper
70	100		
42	43.8	40.9	61.3
101	0.0	7.9	11.9#
130	2.1	16.9	25.3#



#21

Naphthalene-d8

Concen: 20.000 ng

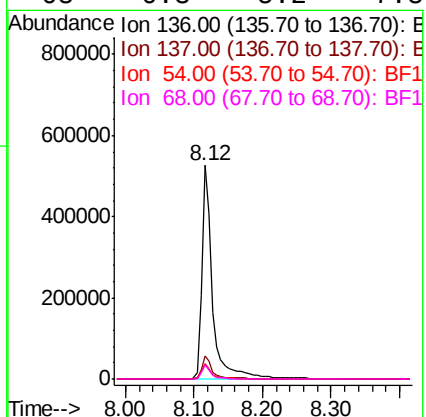
RT: 8.12 min Scan# 1025

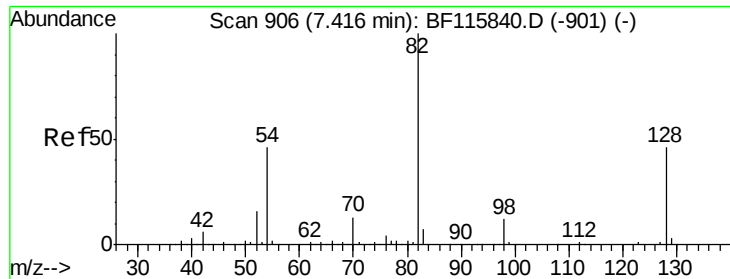
Delta R.T. -0.01 min

Lab File: BF116173.D

Acq: 11 Aug 2019 4:05

Tgt Ion:	136	Resp:	585694
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	7.2	5.8	8.6
68	6.3	5.2	7.8

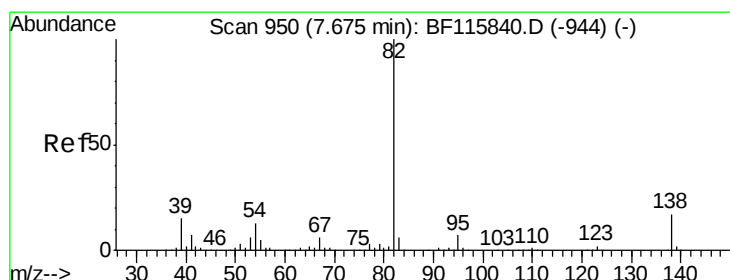
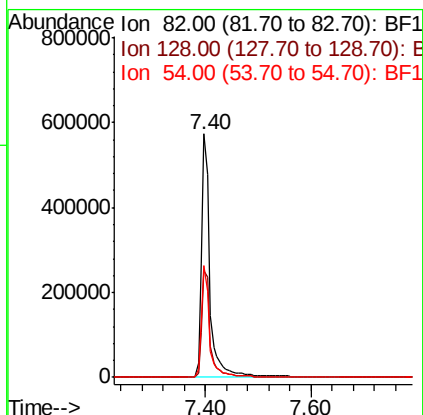
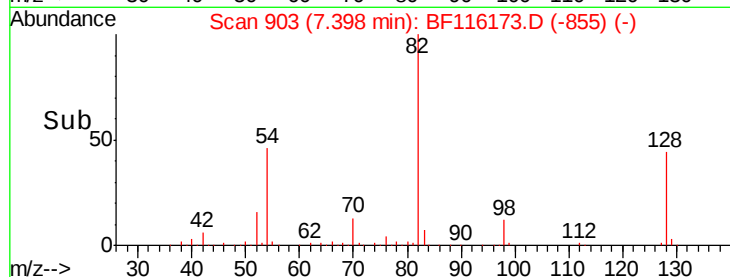
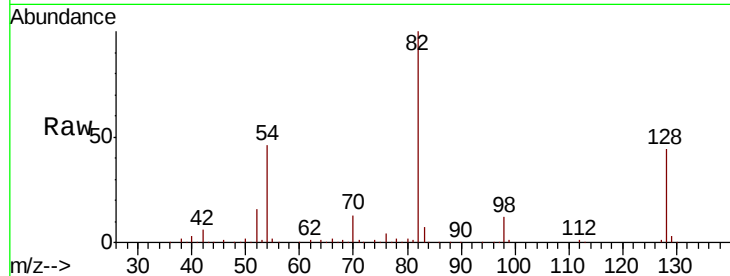




#23
Nitrobenzene-d5
Concen: 64.346 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116173.D
Acq: 11 Aug 2019 4:05

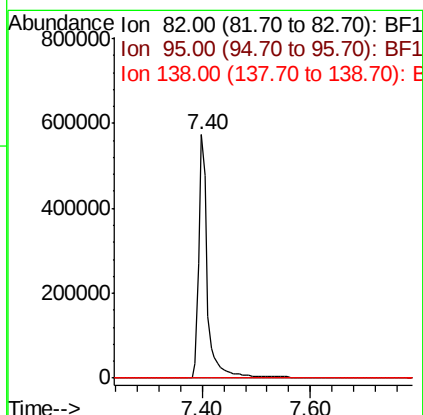
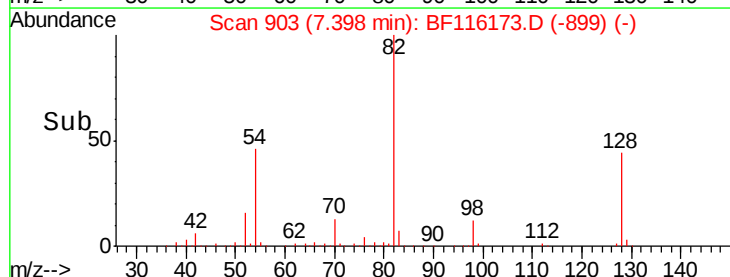
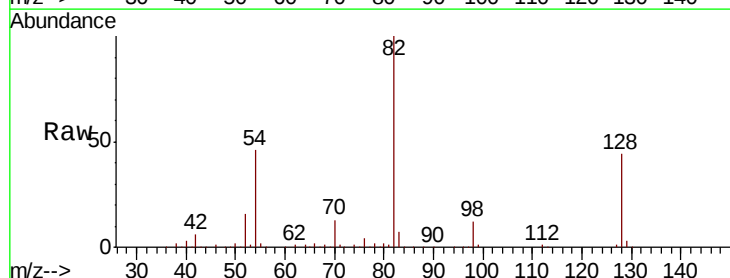
Instrument :
BNA_F
ClientSampleId :

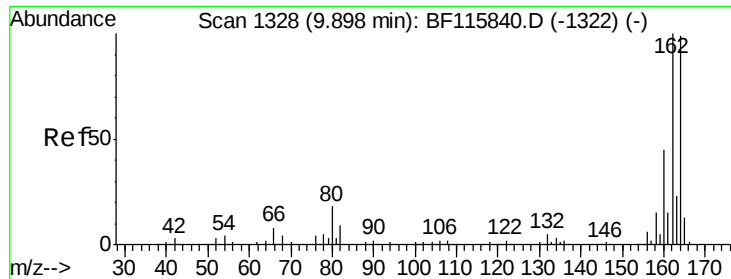
Tot Ion: 82 Resp: 652899
Ion Ratio Lower Upper
82 100
128 44.0 36.5 54.7
54 46.1 36.0 54.0



#25
Isophorone
Concen: 33.653 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.28 min
Lab File: BF116173.D
Acq: 11 Aug 2019 4:05

Tgt Ion: 82 Resp: 652935
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.5 21.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116173.D

Acq: 11 Aug 2019 4:05

Instrument :

BNA_F

ClientSampleId :

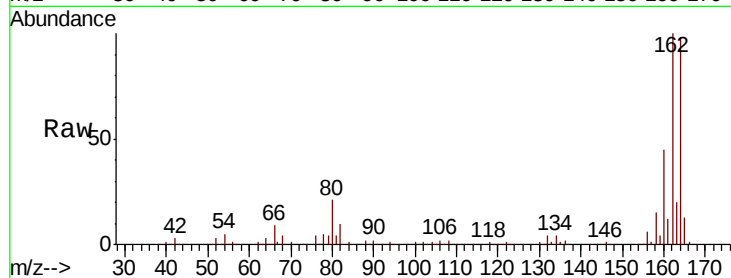
Tot Ion:164 Resp: 281471

Ion Ratio Lower Upper

164 100

162 101.9 82.6 124.0

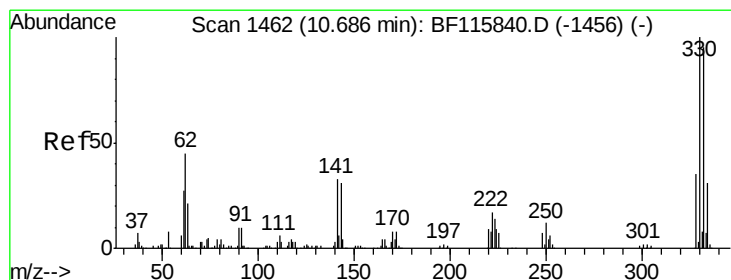
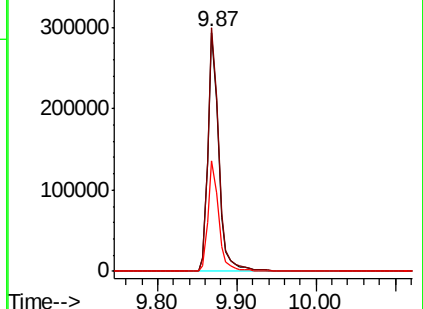
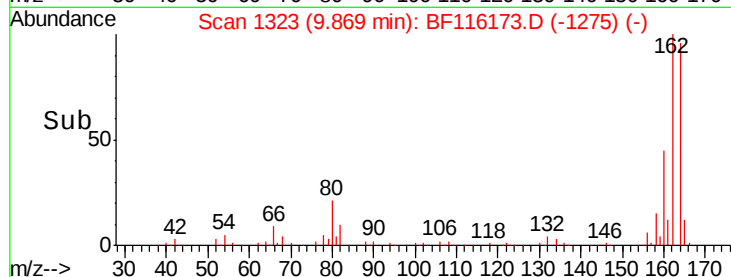
160 46.1 37.6 56.4



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: 68.035 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116173.D

Acq: 11 Aug 2019 4:05

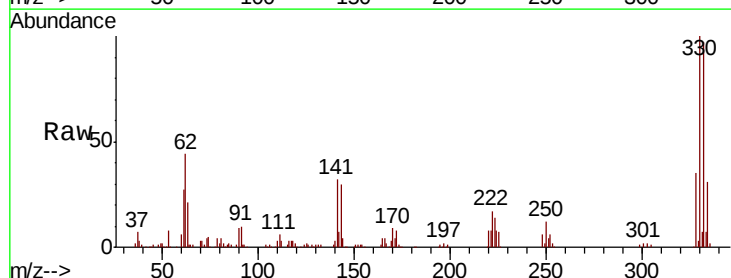
Tgt Ion:330 Resp: 185663

Ion Ratio Lower Upper

330 100

332 95.5 76.8 115.2

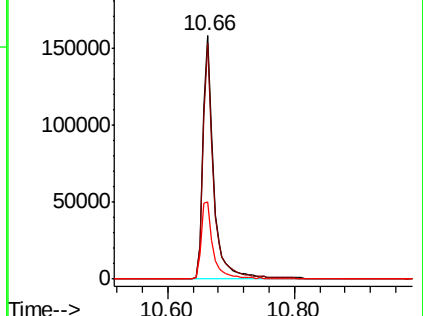
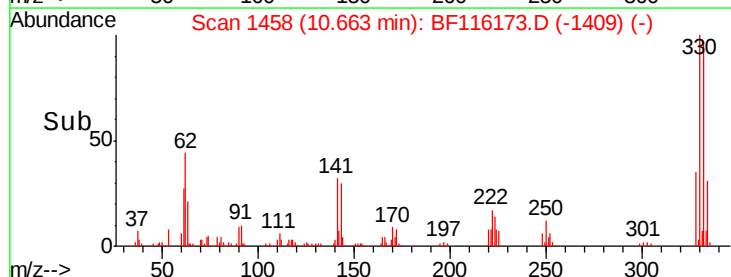
141 35.0 26.3 39.5



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

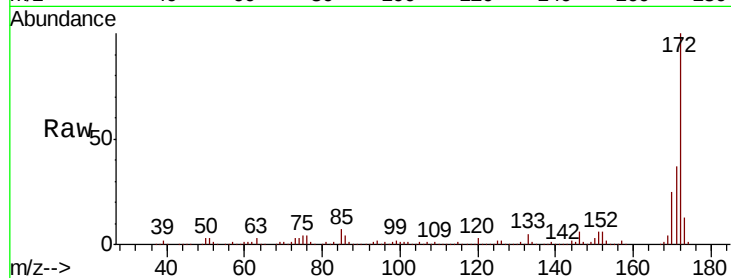




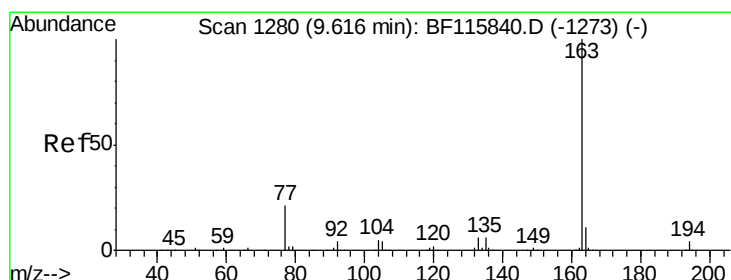
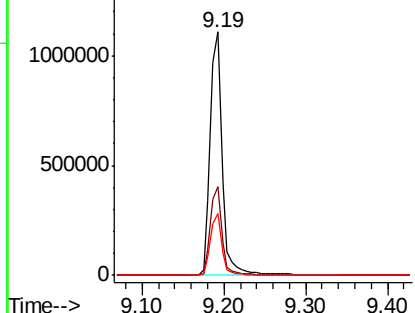
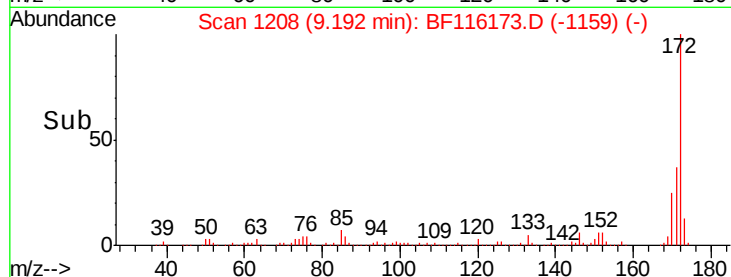
#45
2-Fluorobiphenyl
Concen: 75.565 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF116173.D
Acq: 11 Aug 2019 4:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 113537
Ion Ratio Lower Upper
172 100
171 36.7 29.6 44.4
170 25.2 20.1 30.1

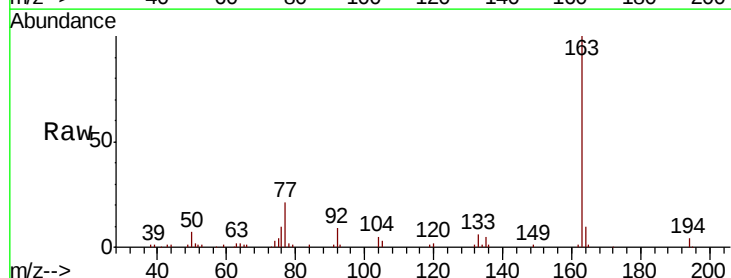


Abundance Ion 172.00 (171.70 to 172.70): E
1500000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

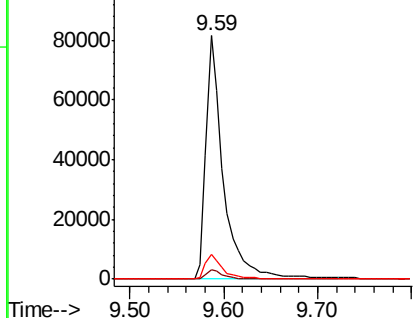
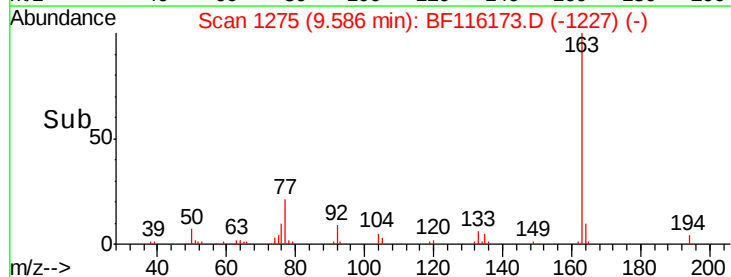


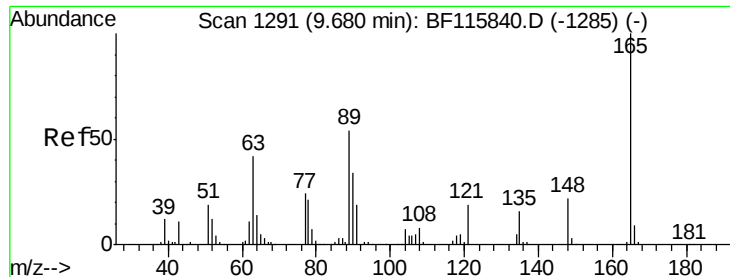
#50
Dimethylphthalate
Concen: 5.552 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116173.D
Acq: 11 Aug 2019 4:05

Tgt Ion:163 Resp: 106407
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
100000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

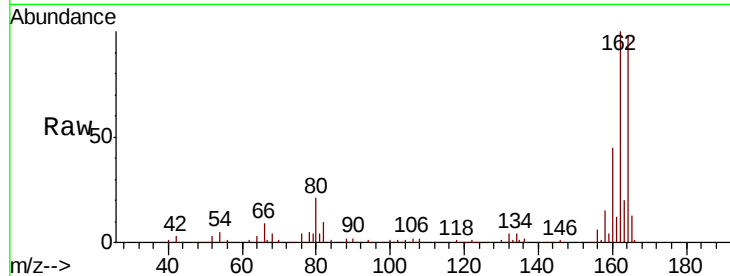




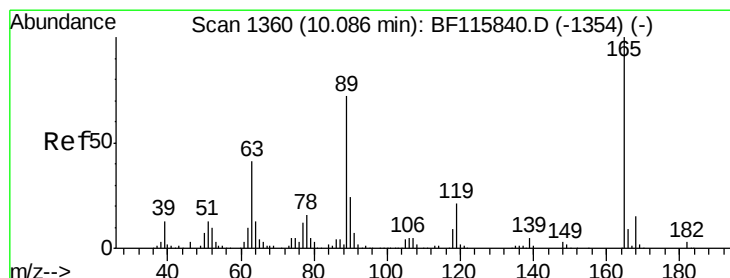
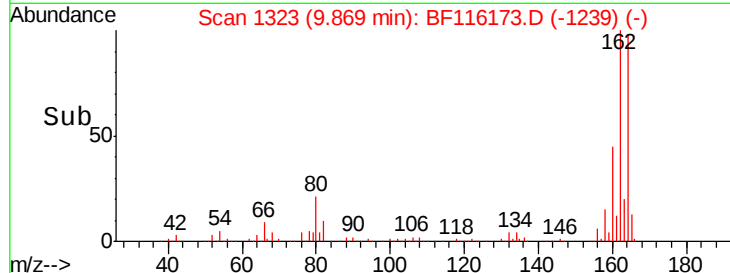
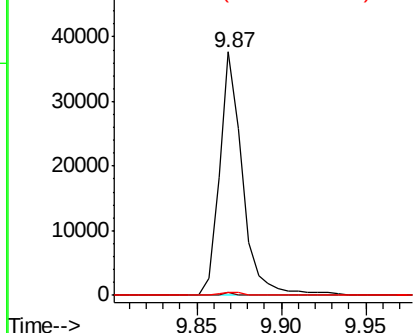
#51
 2,6-Dinitrotoluene
 Concen: 8.597 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116173.D
 Acq: 11 Aug 2019 4:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	38.2	57.2#
89	1.2	42.9	64.3#

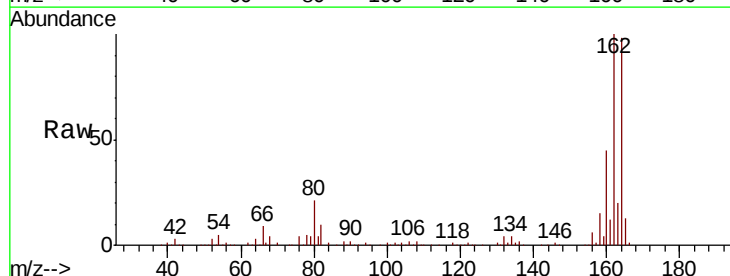


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

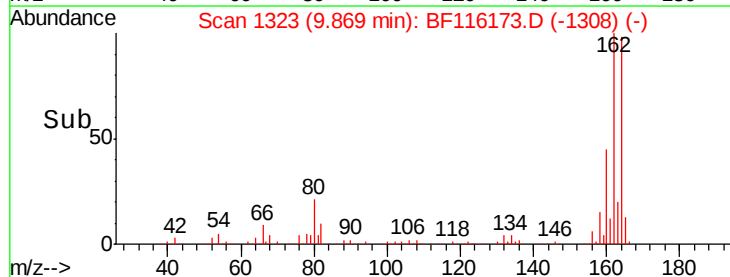
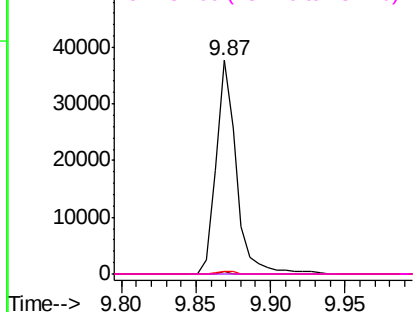


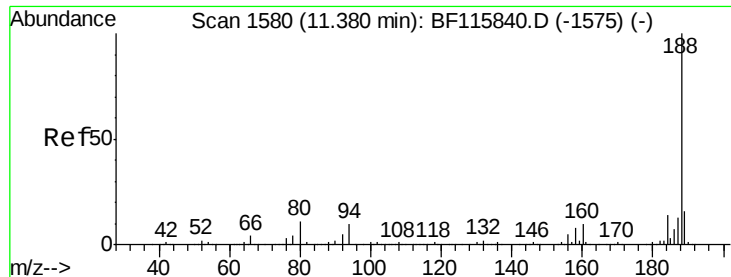
#57
 2,4-Dinitrotoluene
 Concen: 6.457 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116173.D
 Acq: 11 Aug 2019 4:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	39.6	59.4#
89	1.2	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: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116173.D

Acq: 11 Aug 2019 4:05

Instrument :

BNA_F

ClientSampled :

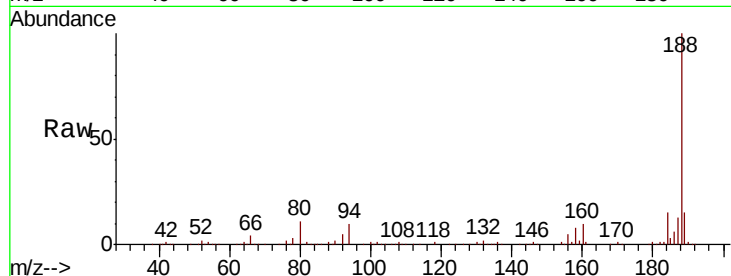
Tot Ion:188 Resp: 414745

Ion Ratio Lower Upper

188 100

94 10.1 8.1 12.1

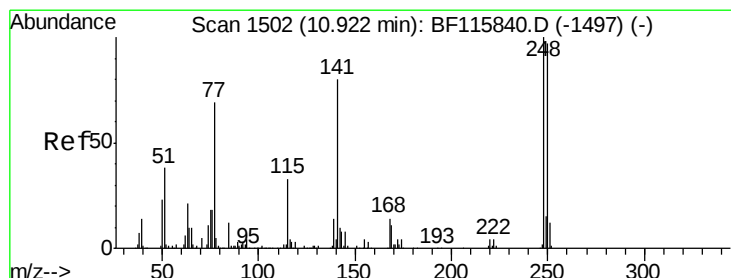
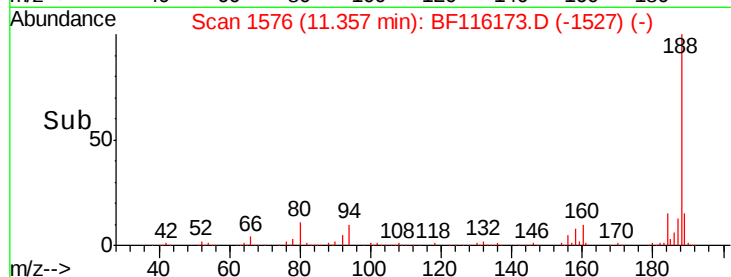
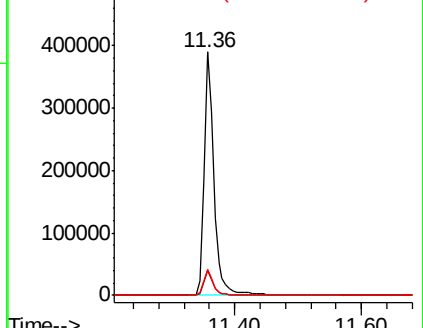
80 10.9 8.7 13.1



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: 2.519 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116173.D

Acq: 11 Aug 2019 4:05

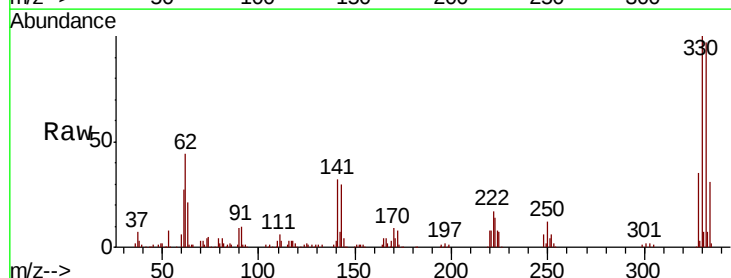
Tgt Ion:248 Resp: 11183

Ion Ratio Lower Upper

248 100

250 189.5 77.4 116.2#

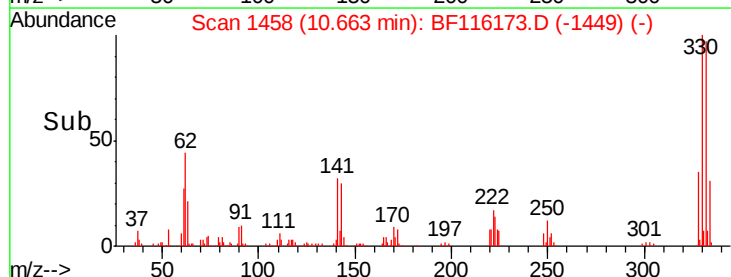
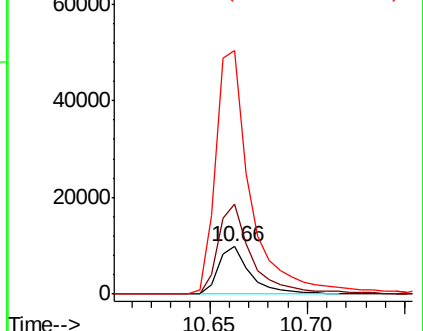
141 510.6 56.8 85.2#

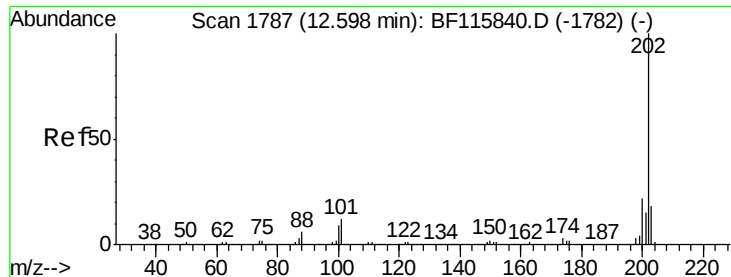


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 3.993 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116173.D

Acq: 11 Aug 2019 4:05

Instrument :

BNA_F

ClientSampled :

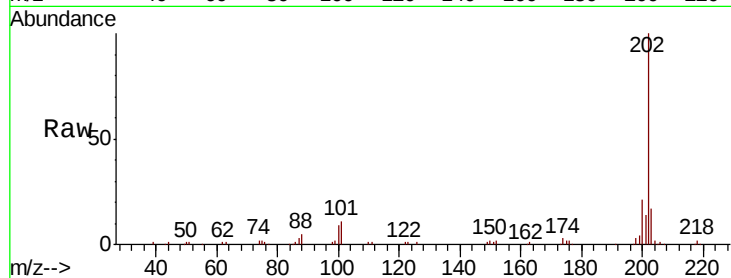
Tot Ion:202 Resp: 88624

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.2

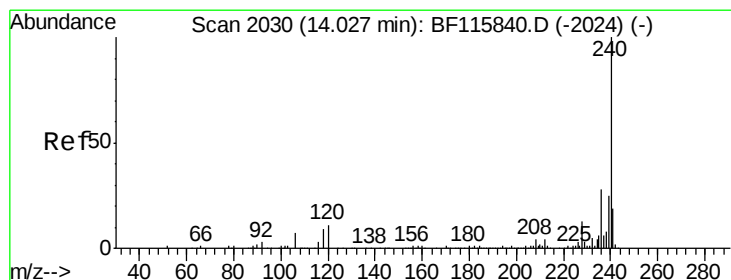
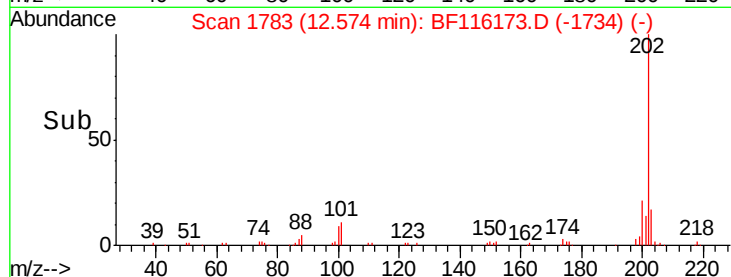
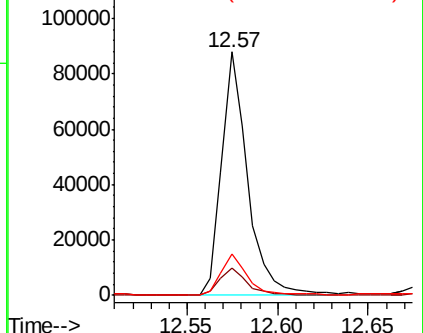
203 17.1 0.0 37.8



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: BF116173.D

Acq: 11 Aug 2019 4:05

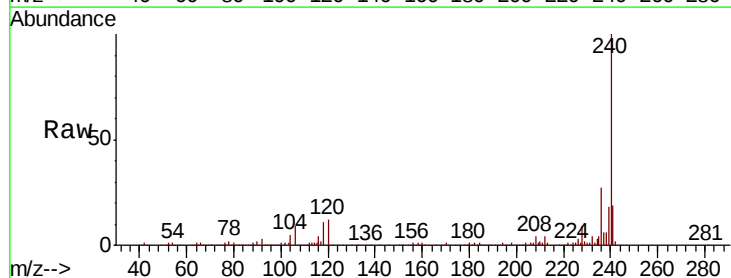
Tgt Ion:240 Resp: 286140

Ion Ratio Lower Upper

240 100

120 12.3 10.7 16.1

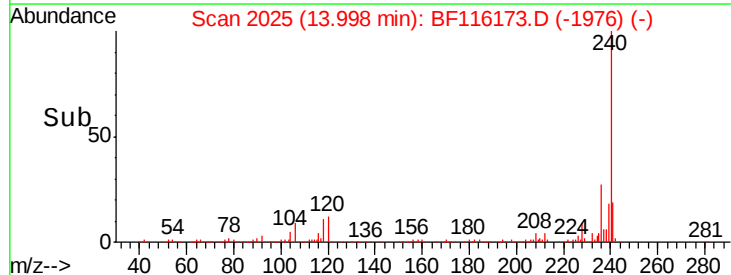
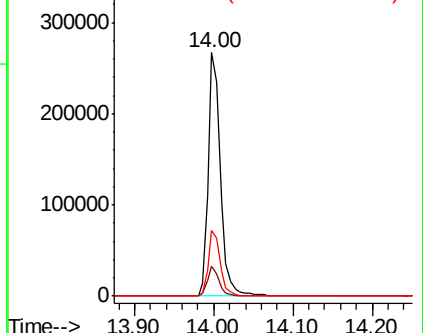
236 27.2 22.2 33.2

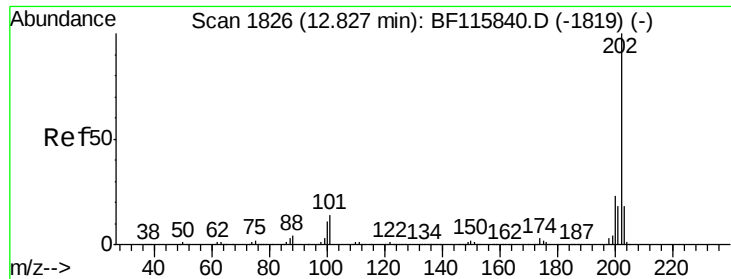


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

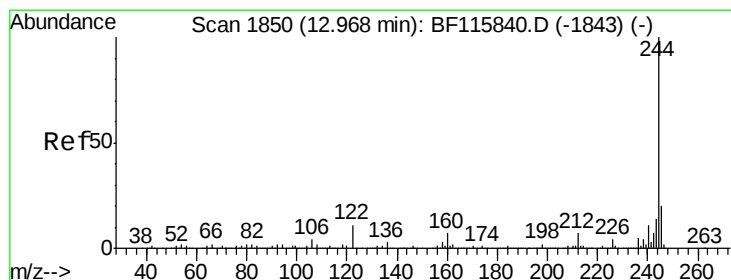
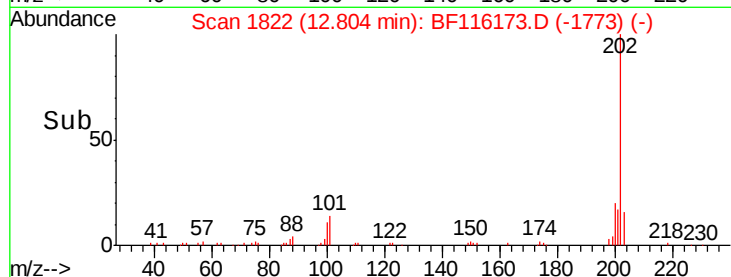
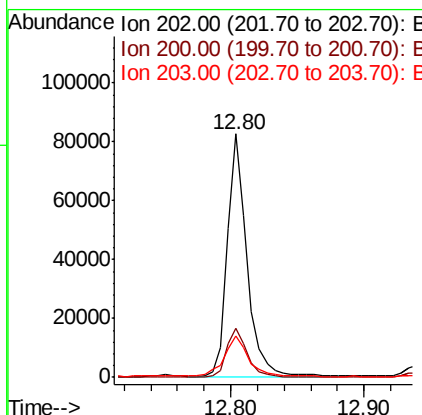
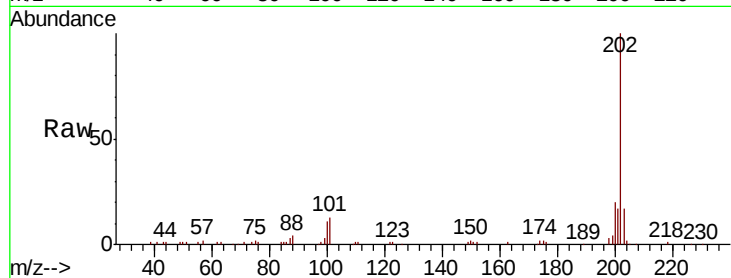




#78
Pvrene
Concen: 3.983 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116173.D
Acq: 11 Aug 2019 4:05

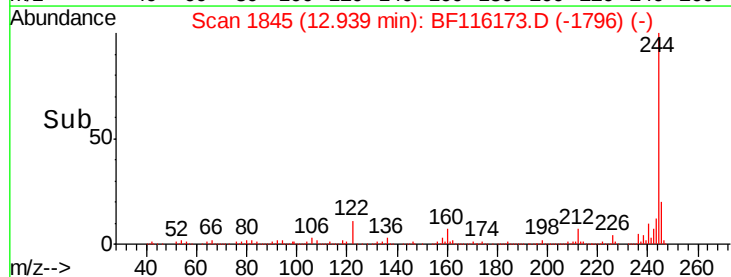
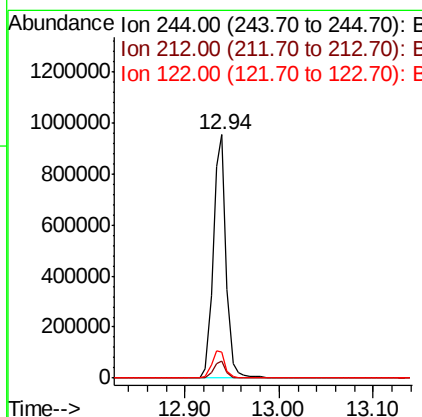
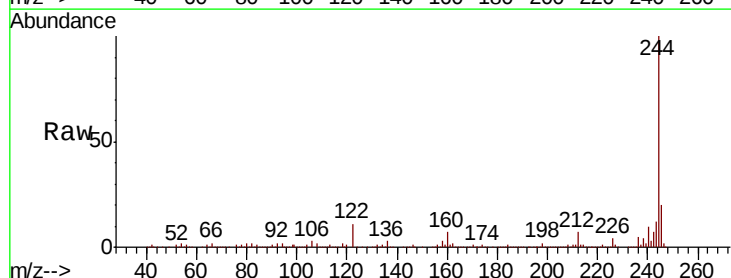
Instrument :
BNA_F
ClientSampleId :

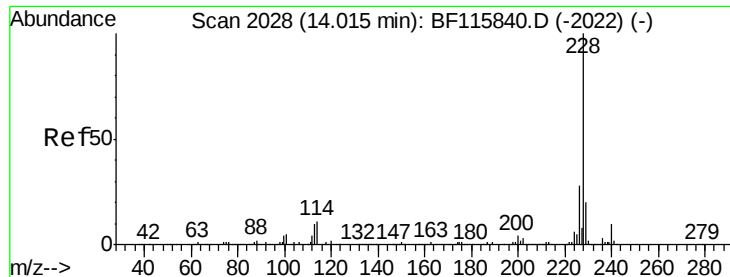
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	18.0	27.0
203	16.8	14.1	21.1



#79
Terphenyl-d14
Concen: 68.187 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116173.D
Acq: 11 Aug 2019 4:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	10.8	9.0	13.4

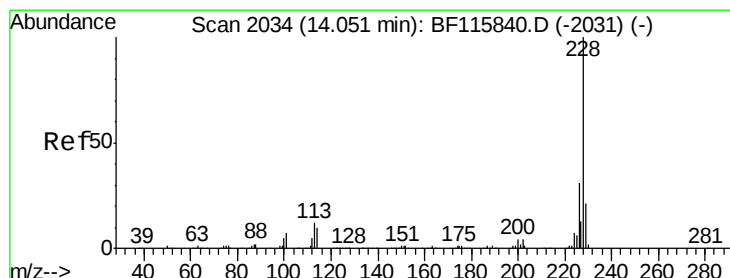
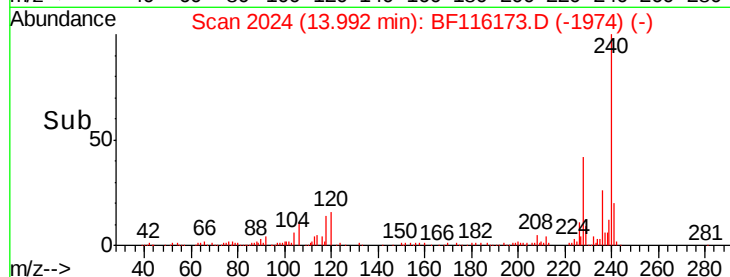
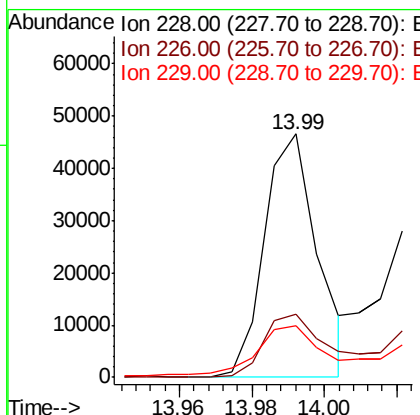
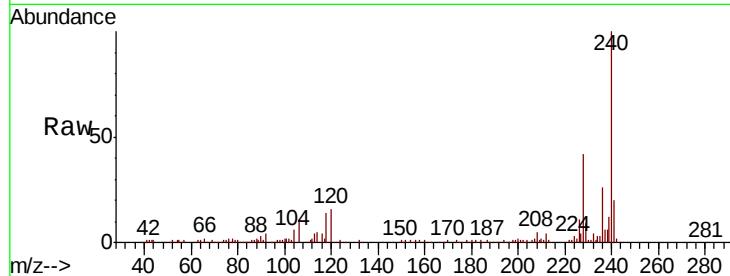




#81
Benzo(a)anthracene
Concen: 2.589 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116173.D
Acq: 11 Aug 2019 4:05

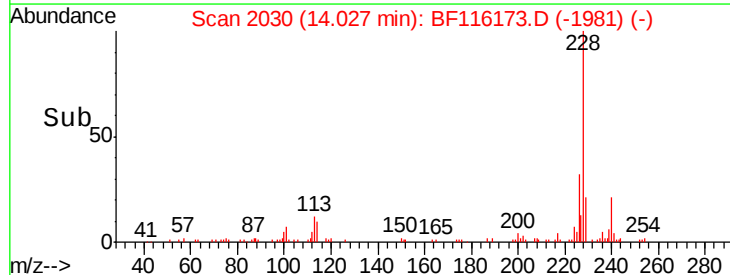
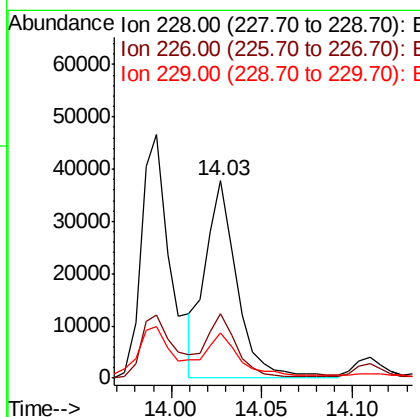
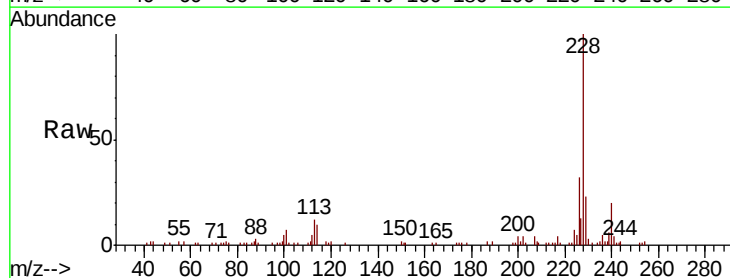
Instrument :
BNA_F
ClientSampleId :

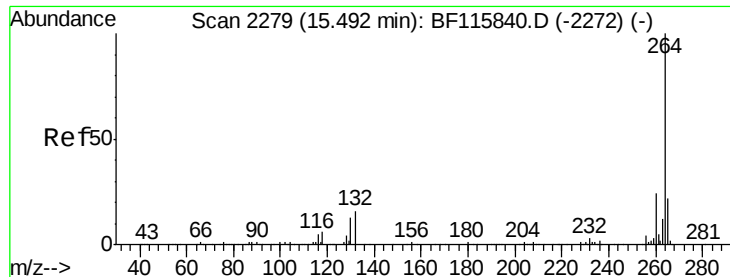
Tot Ion	Ratio	Lower	Upper
228	100		
226	25.9	22.7	34.1
229	21.1	16.2	24.4



#83
Chrysene
Concen: 2.605 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116173.D
Acq: 11 Aug 2019 4:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.5	38.3
229	22.7	16.6	24.8

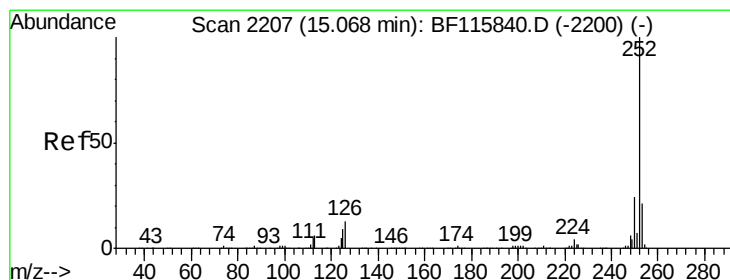
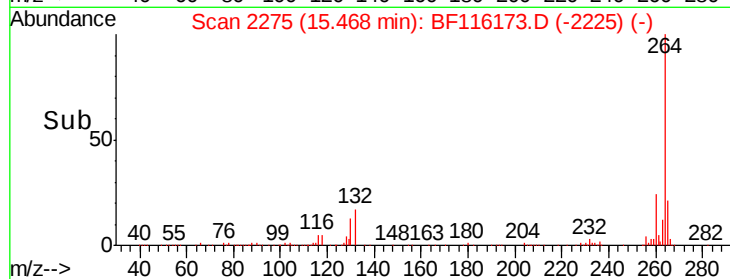
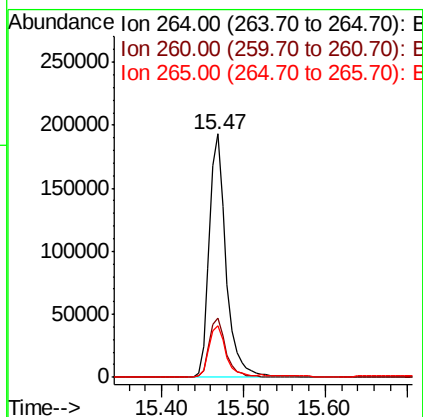
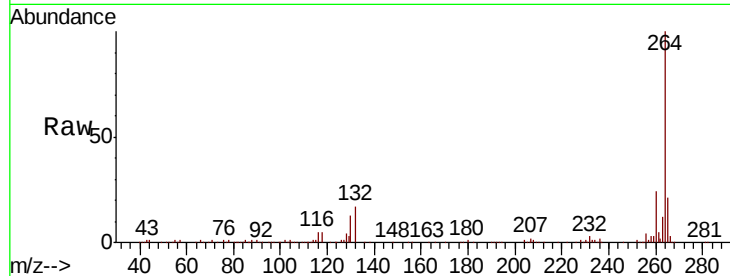




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116173.D
Acq: 11 Aug 2019 4:05

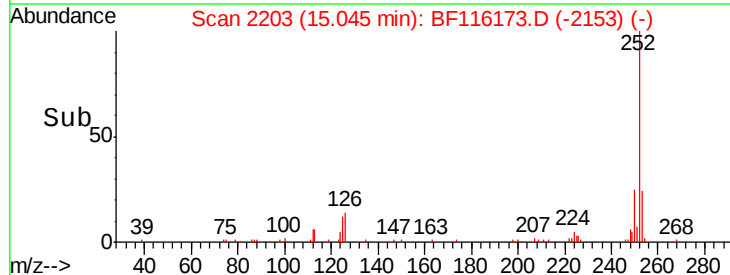
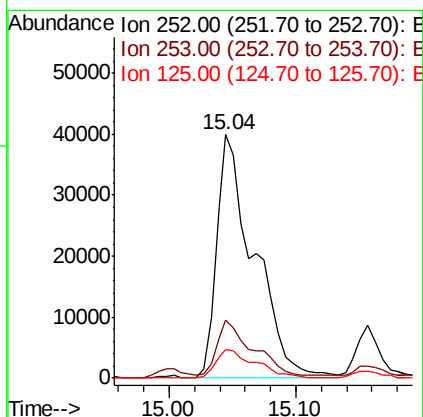
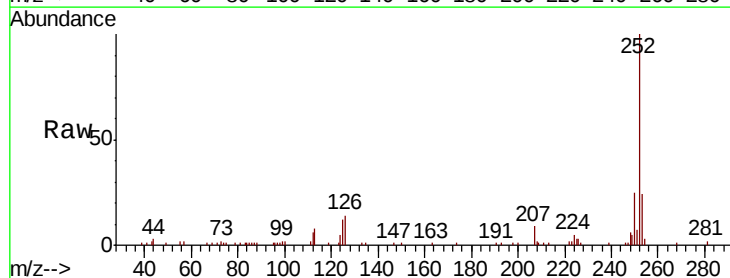
Instrument :
BNA_F
ClientSampleId :

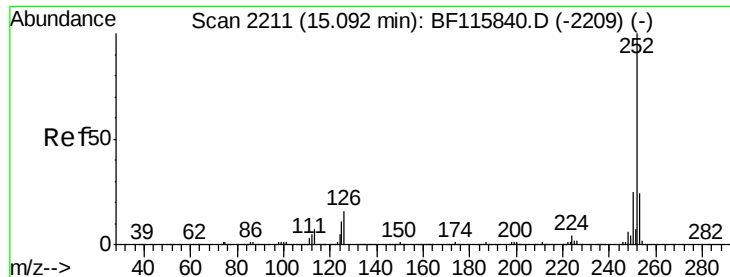
Tot Ion:264 Resp: 276883
Ion Ratio Lower Upper
264 100
260 24.3 19.7 29.5
265 21.4 17.4 26.0



#88
Benzo(b)fluoranthene
Concen: 5.139 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116173.D
Acq: 11 Aug 2019 4:05

Tgt Ion:252 Resp: 82277
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 11.6 8.4 12.6

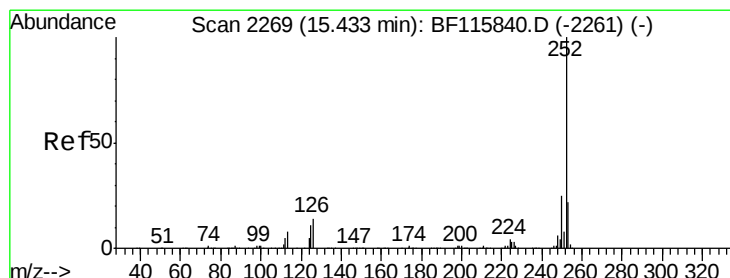
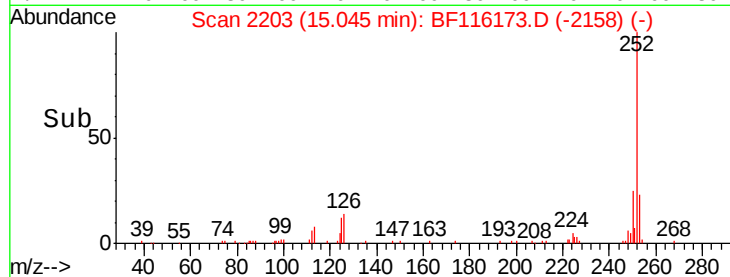
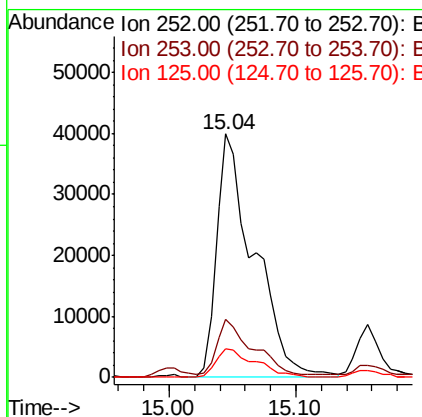
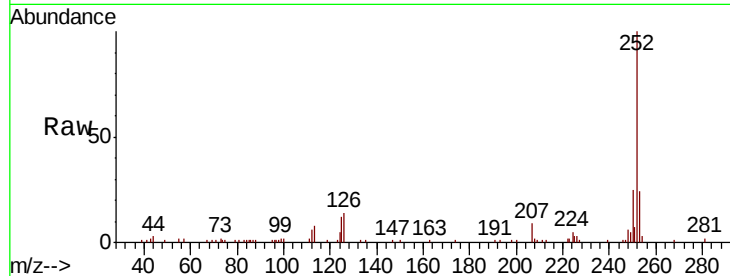




#89
Benzo(k)fluoranthene
Concen: 5.276 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF116173.D
Acq: 11 Aug 2019 4:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 82277
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 11.6 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 3.118 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116173.D
Acq: 11 Aug 2019 4:05

Tgt Ion:252 Resp: 44628
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 11.6 8.9 13.3

