

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071719\
 Data File : BF115631.D
 Acq On : 17 Jul 2019 19:25
 Operator : HP/JU
 Sample : K3835-23
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)

Quant Time: Jul 18 04:47:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	197043	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	640364	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	294473	20.00	ng	-0.02
64) Phenanthrene-d10	11.39	188	496575	20.00	ng	-0.02
76) Chrysene-d12	14.03	240	306015	20.00	ng	-0.02
87) Perylene-d12	15.49	264	332984	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	1111030	92.23	ng	0.00
7) Phenol-d6	6.52	99	1505550	98.50	ng	0.00
23) Nitrobenzene-d5	7.44	82	907248	82.38	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	314650	91.54	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	1361677	80.94	ng	-0.02
79) Terphenyl-d14	12.98	244	1113254	67.13	ng	-0.02

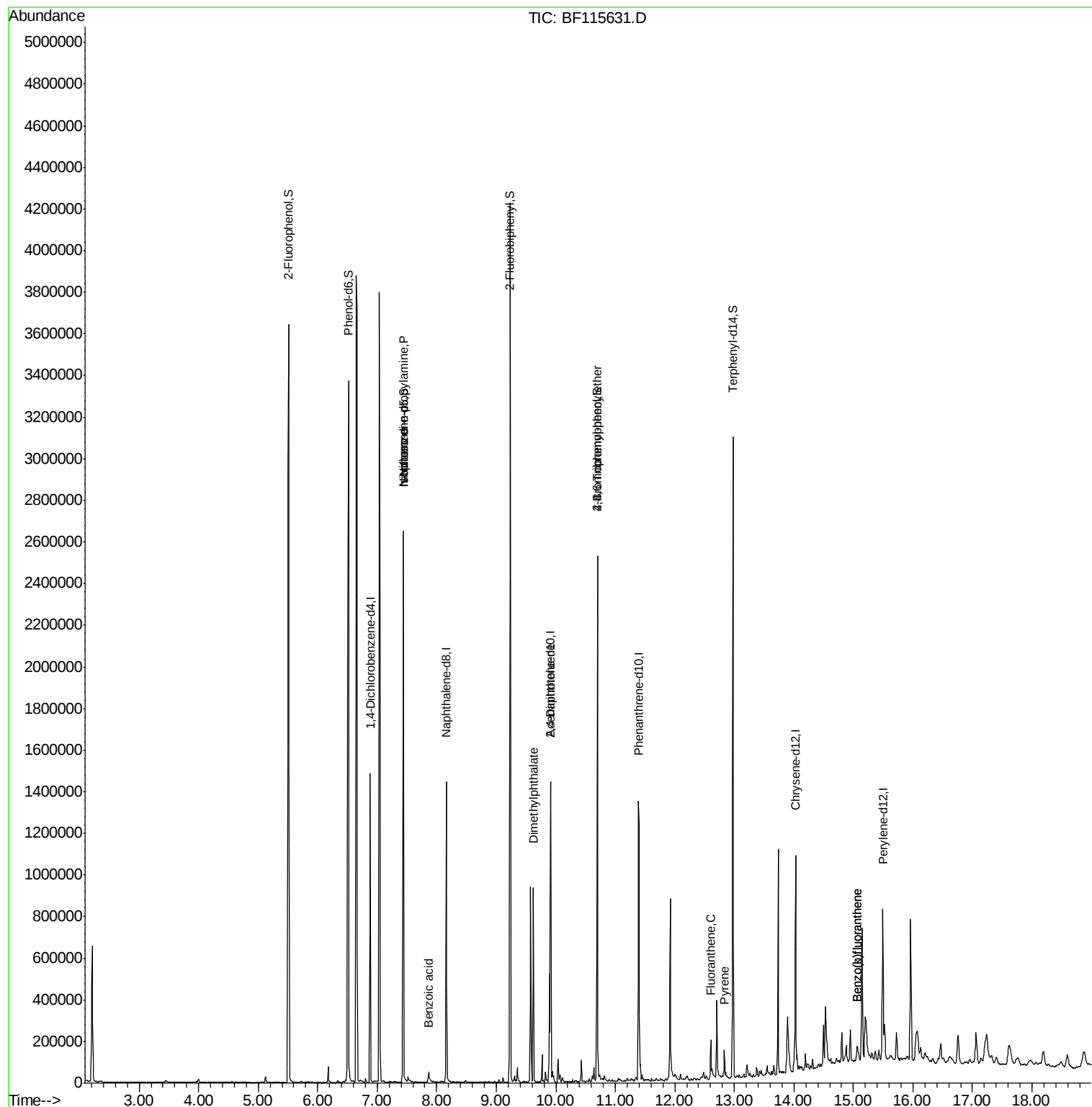
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	120735	12.111	ng	# 78
25) Isophorone	7.44	82	895913	40.655	ng	# 64
32) Benzoic acid	7.86	122	17281	2.302	ng	96
50) Dimethylphthalate	9.62	163	325642	14.698	ng	99
57) 2,4-Dinitrotoluene	9.91	165	38248	5.864	ng	# 24
67) 4-Bromophenyl-phenylether	10.70	248	19713	3.474	ng	# 1
75) Fluoranthene	12.60	202	57268	2.129	ng	98
78) Pyrene	12.83	202	52237	2.015	ng	96
88) Benzo(b)fluoranthene	15.06	252	47761	2.228	ng	# 97
89) Benzo(k)fluoranthene	15.06	252	47761	2.498	ng	# 98

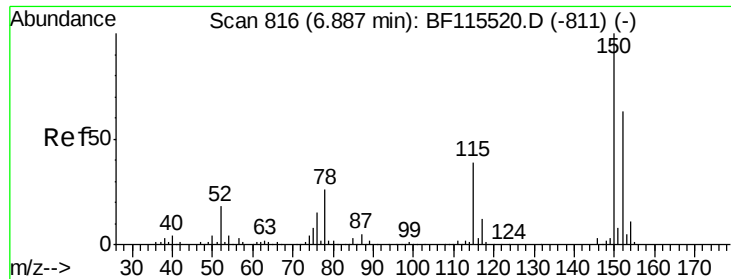
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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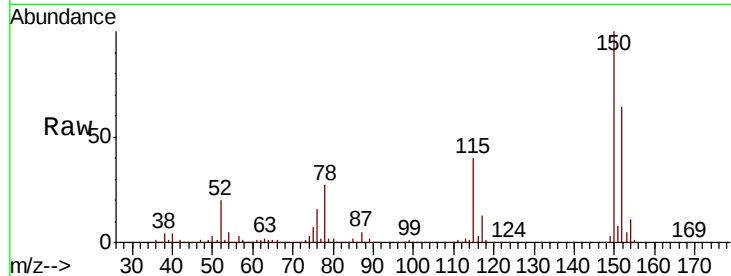


#1

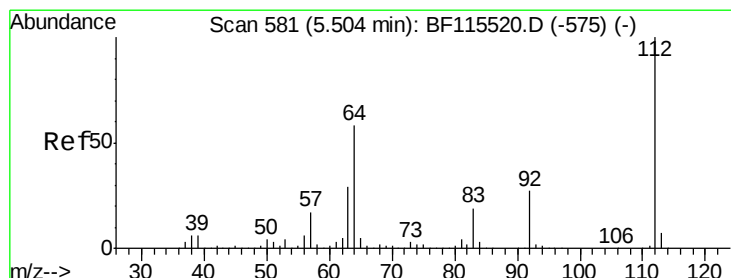
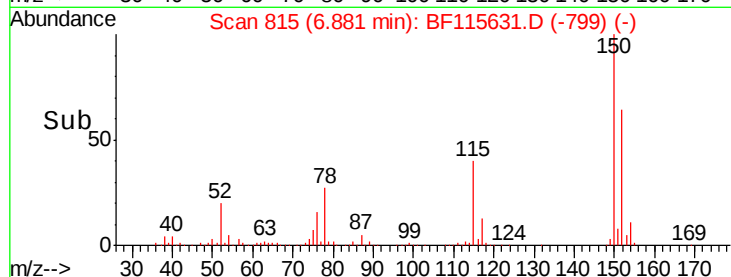
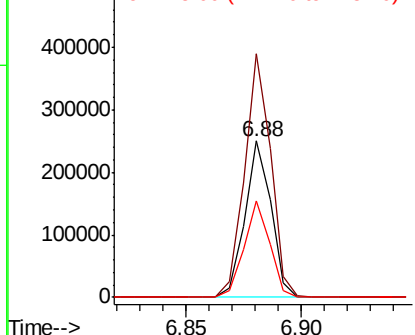
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115631.D
Acq: 17 Jul 2019 19:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)

Tgt Ion:152 Resp: 197043
Ion Ratio Lower Upper
152 100
150 155.7 129.7 194.5
115 61.7 48.2 72.4



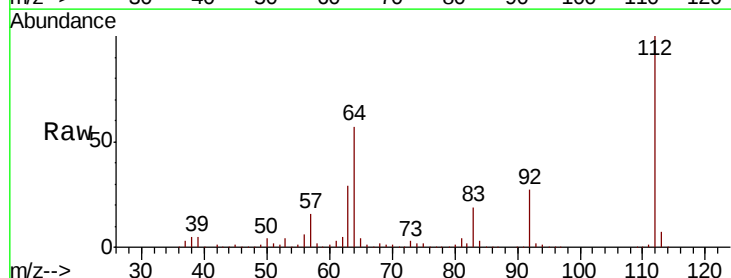
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



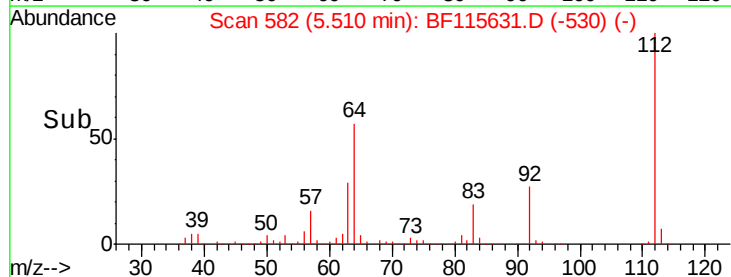
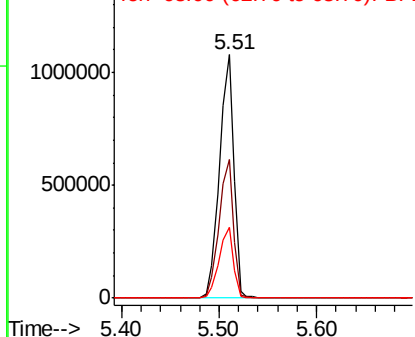
#5

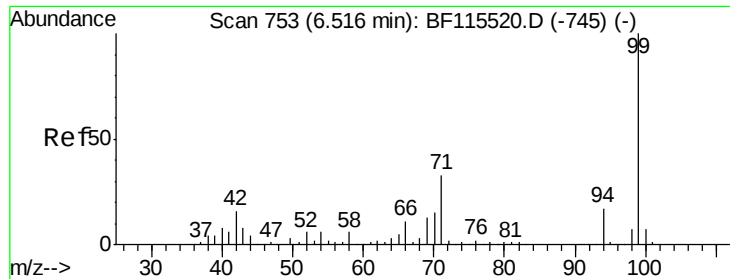
2-Fluorophenol
Concen: 92.230 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF115631.D
Acq: 17 Jul 2019 19:25

Tgt Ion:112 Resp: 1111030
Ion Ratio Lower Upper
112 100
64 57.2 46.8 70.2
63 29.1 24.1 36.1



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: 98.496 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF115631.D

Acq: 17 Jul 2019 19:25

Instrument :

BNA_F

ClientSampleId :

SB-12(0-2)

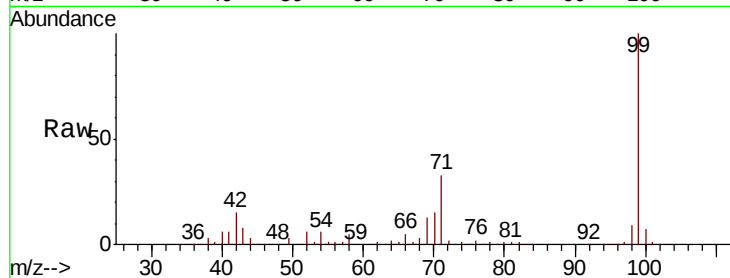
Tgt Ion: 99 Resp: 1505550

Ion Ratio Lower Upper

99 100

42 15.4 13.6 20.4

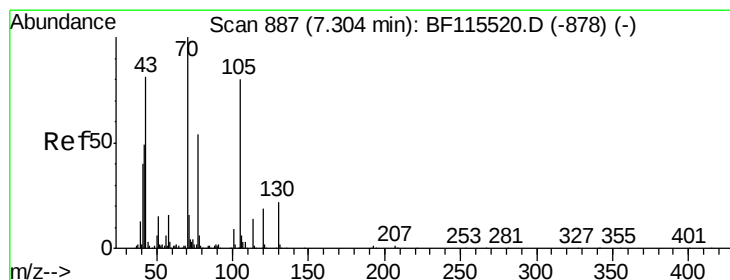
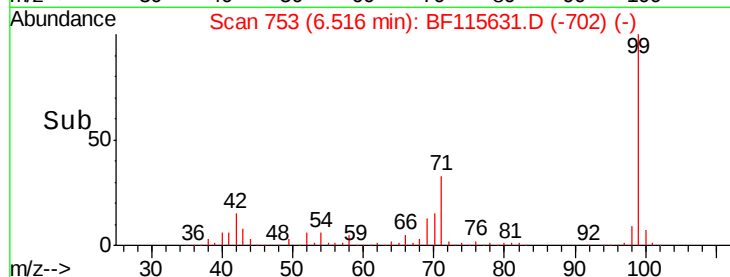
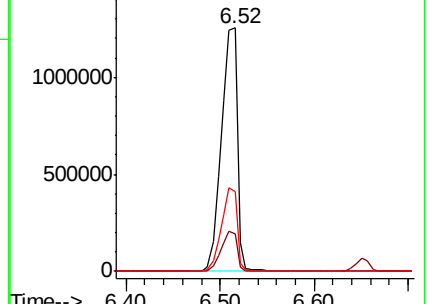
71 32.6 28.5 42.7



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: 12.111 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF115631.D

Acq: 17 Jul 2019 19:25

Tgt Ion: 70 Resp: 120735

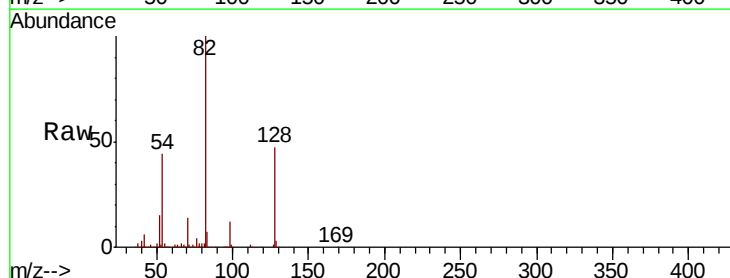
Ion Ratio Lower Upper

70 100

42 41.1 39.6 59.4

101 0.0 8.1 12.1#

130 2.4 18.2 27.2#

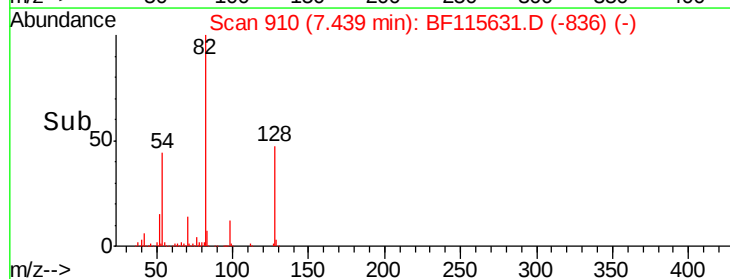
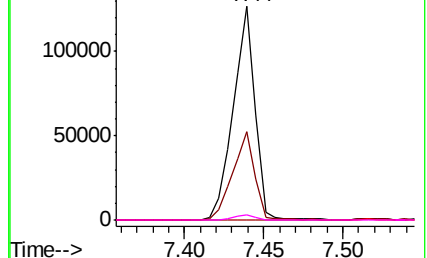


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

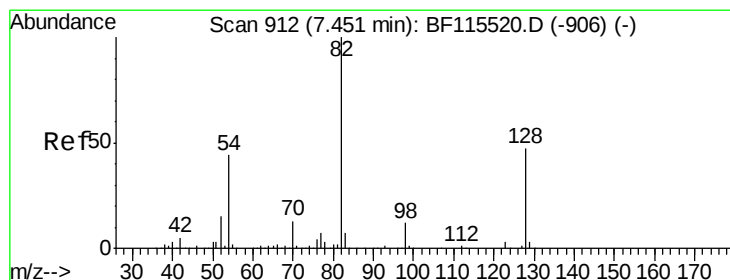
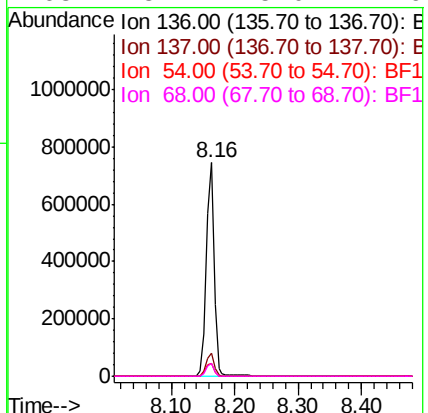
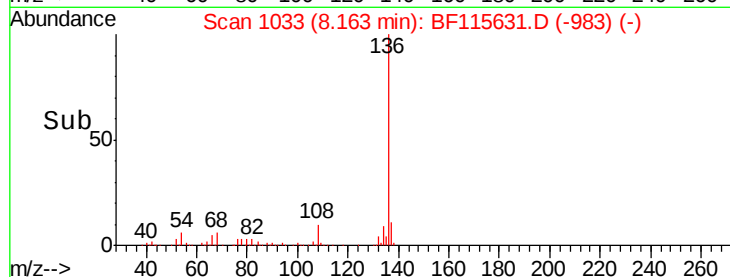
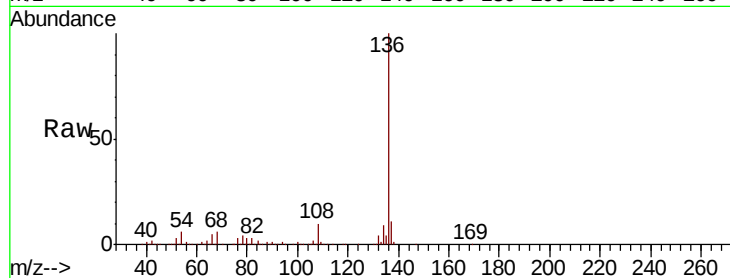




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115631.D
Acq: 17 Jul 2019 19:25

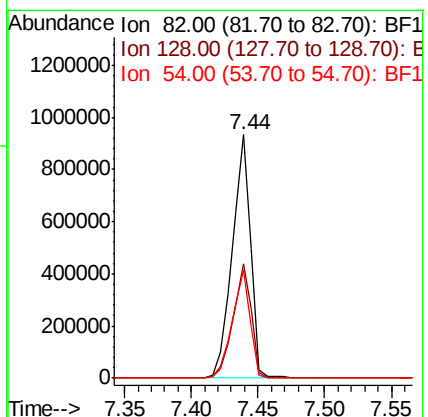
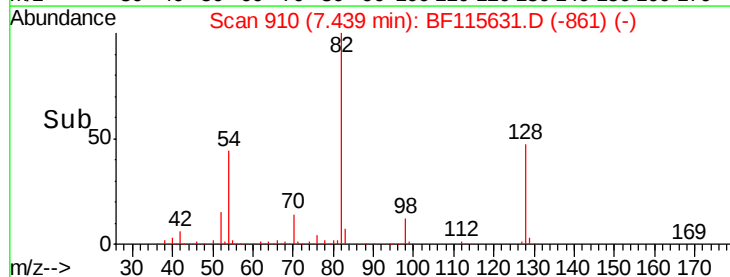
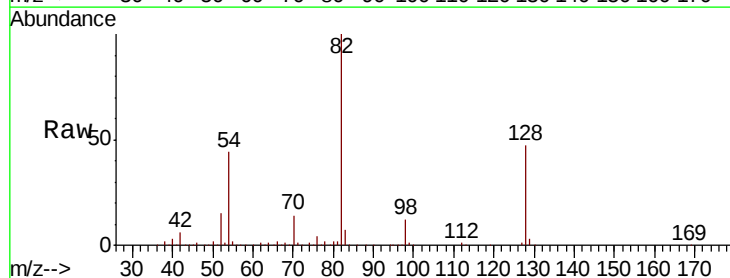
Instrument :
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ClientSampleId :
SB-12(0-2)

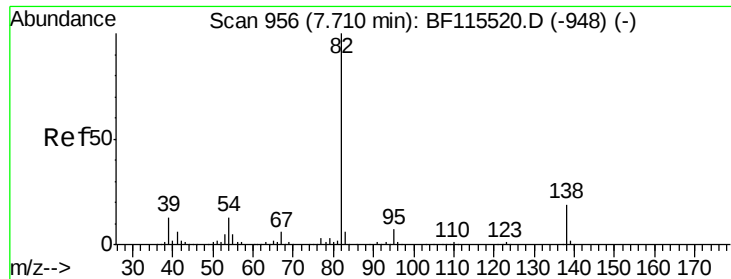
Tgt Ion:	136	Resp:	640364
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.3	5.6	8.4
68	5.7	5.0	7.6



#23
Nitrobenzene-d5
Concen: 82.380 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115631.D
Acq: 17 Jul 2019 19:25

Tgt Ion:	82	Resp:	907248
Ion	Ratio	Lower	Upper
82	100		
128	47.1	38.6	57.8
54	44.2	35.6	53.4





#25

Isophorone

Concen: 40.655 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF115631.D

Acq: 17 Jul 2019 19:25

Instrument :

BNA_F

ClientSampleId :

SB-12(0-2)

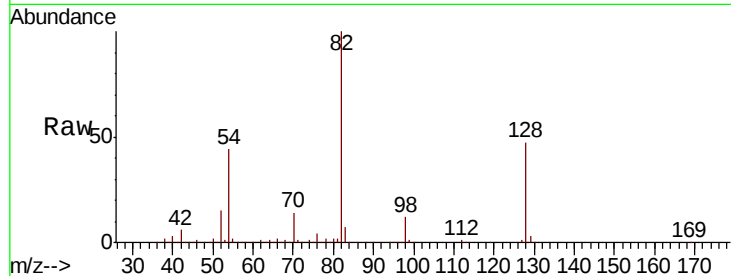
Tgt Ion: 82 Resp: 895913

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

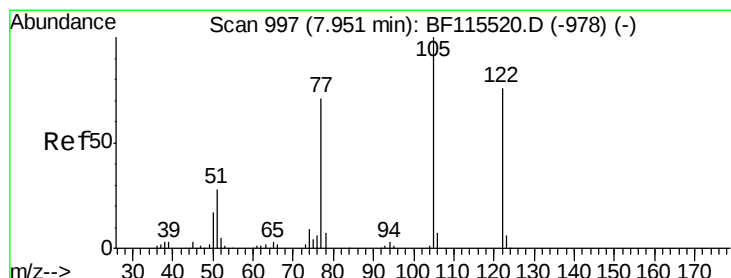
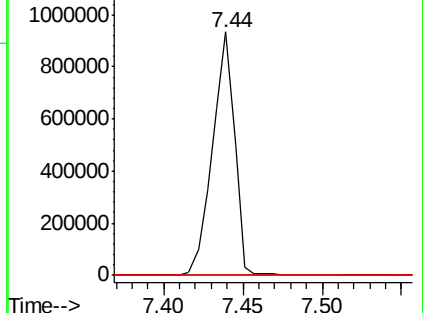
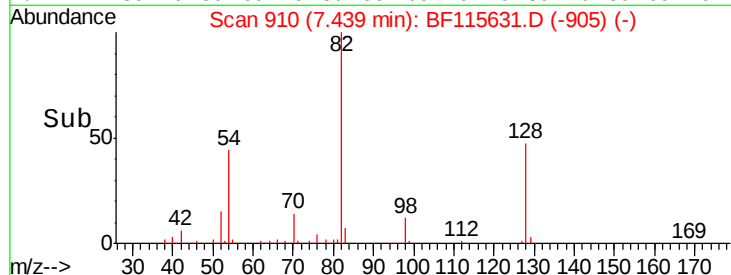
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 2.302 ng

RT: 7.86 min Scan# 982

Delta R.T. -0.09 min

Lab File: BF115631.D

Acq: 17 Jul 2019 19:25

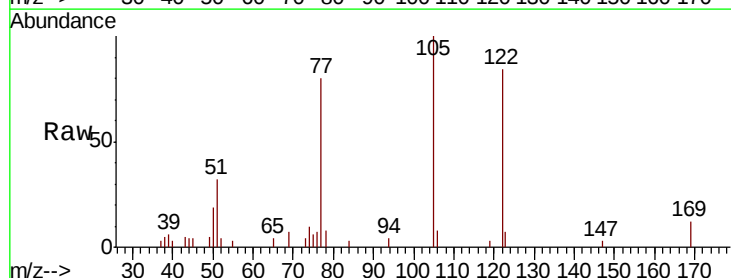
Tgt Ion: 122 Resp: 17281

Ion Ratio Lower Upper

122 100

105 119.5 102.5 142.5

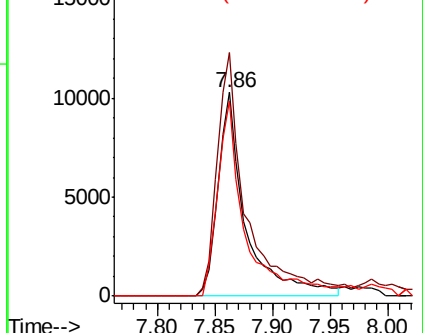
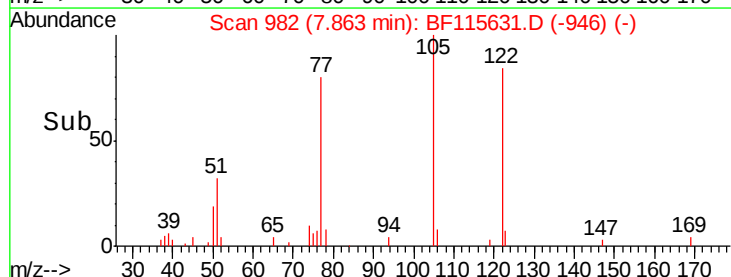
77 96.0 70.2 110.2

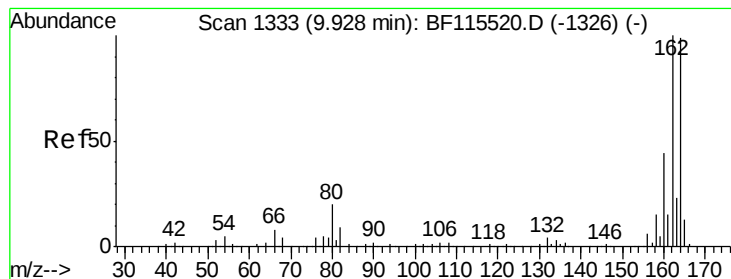


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF115631.D

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ClientSampleId :

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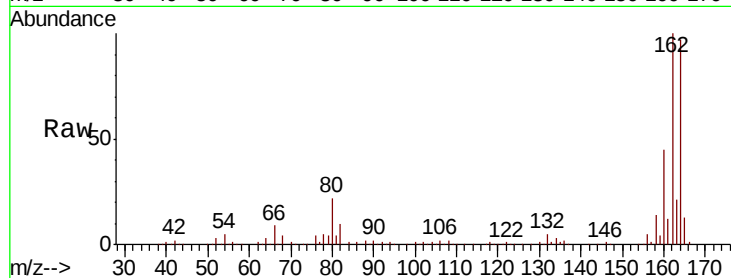
Tgt Ion:164 Resp: 294473

Ion Ratio Lower Upper

164 100

162 102.9 82.9 124.3

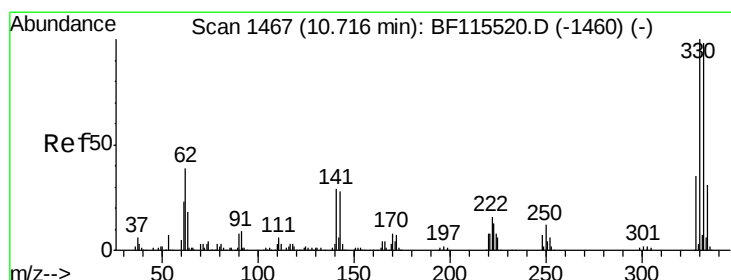
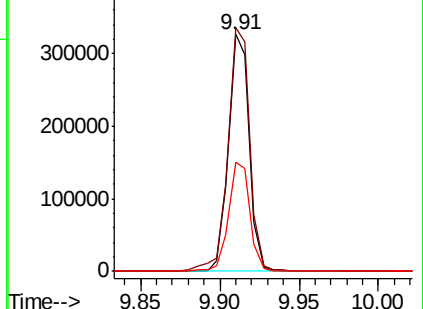
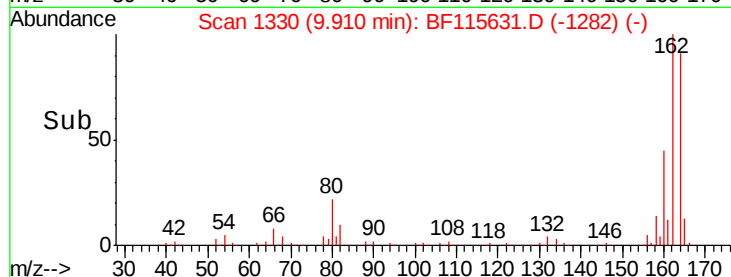
160 46.0 36.8 55.2



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: 91.542 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.02 min

Lab File: BF115631.D

Acq: 17 Jul 2019 19:25

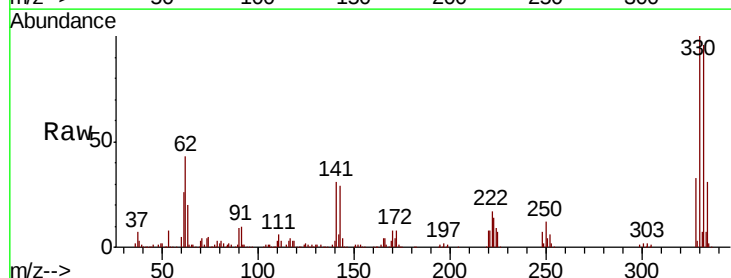
Tgt Ion:330 Resp: 314650

Ion Ratio Lower Upper

330 100

332 95.0 77.4 116.2

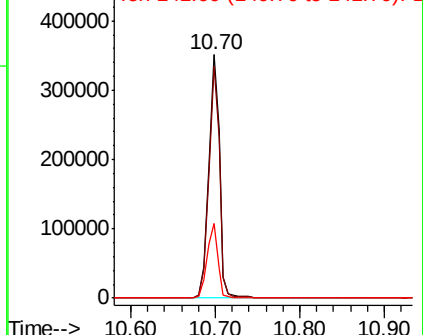
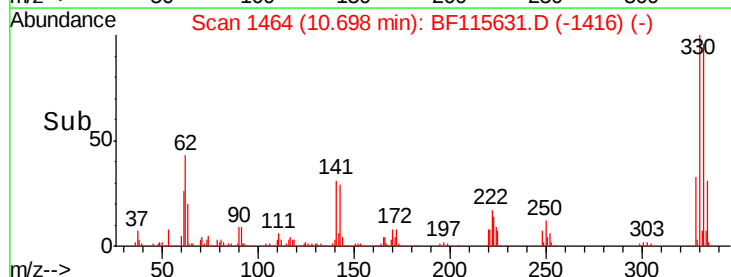
141 30.5 22.4 33.6

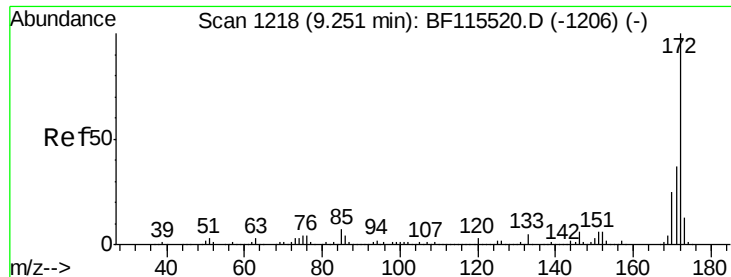


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

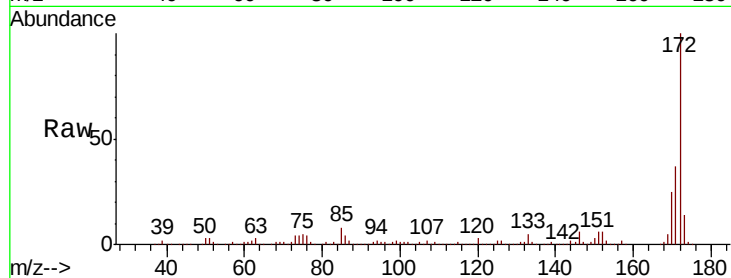




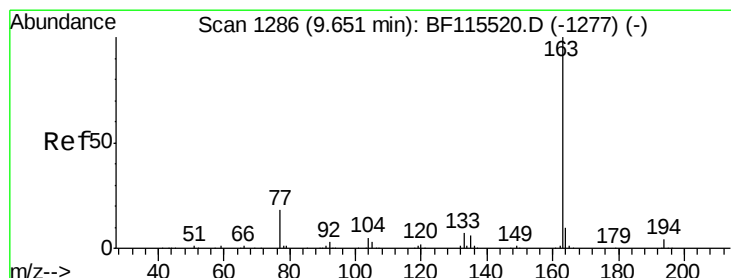
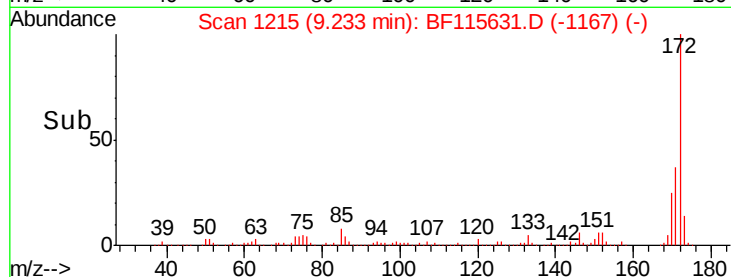
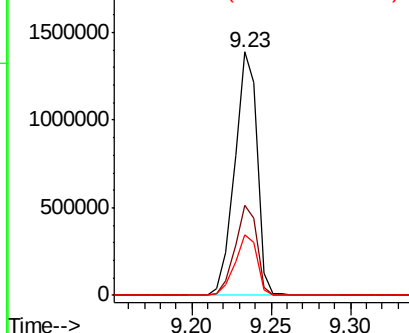
#45
2-Fluorobiphenyl
Concen: 80.935 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.02 min
Lab File: BF115631.D
Acq: 17 Jul 2019 19:25

Instrument :
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SB-12(0-2)

Tgt Ion:172 Resp: 1361677
Ion Ratio Lower Upper
172 100
171 36.9 30.6 46.0
170 24.8 20.5 30.7

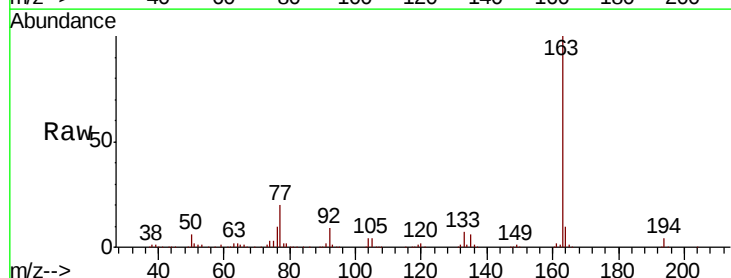


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

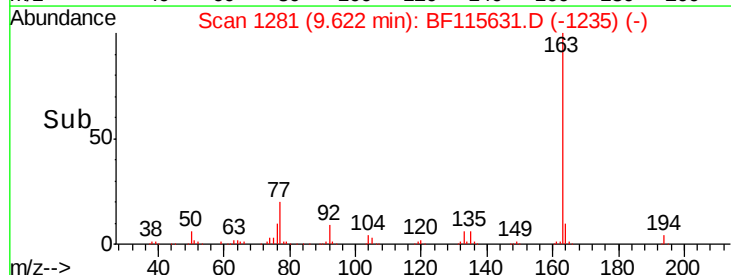
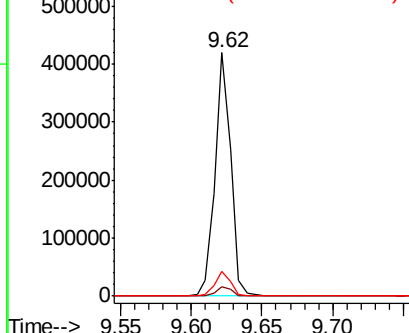


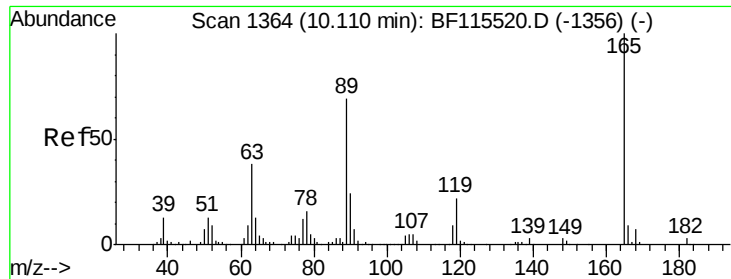
#50
Dimethylphthalate
Concen: 14.698 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF115631.D
Acq: 17 Jul 2019 19:25

Tgt Ion:163 Resp: 325642
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.4 8.7 13.1



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

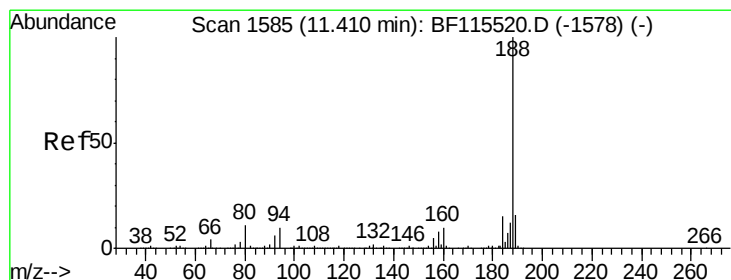
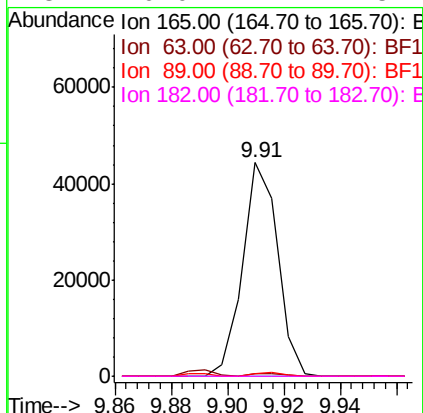
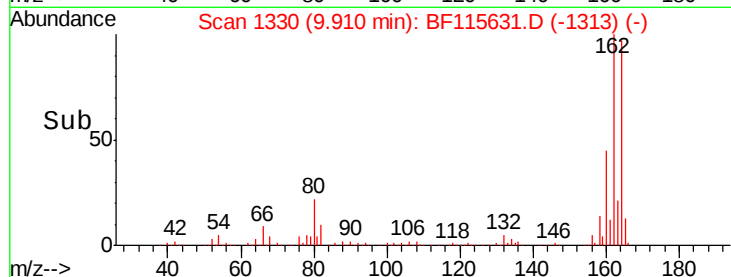
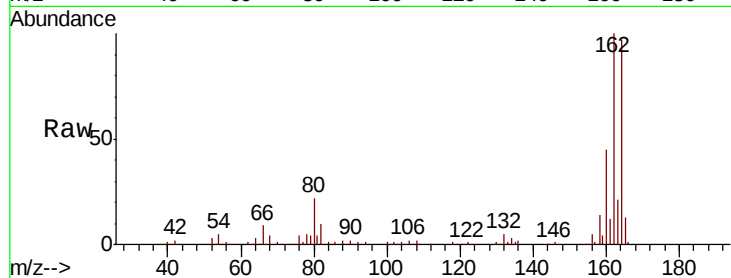




#57
 2,4-Dinitrotoluene
 Concen: 5.864 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF115631.D
 Acq: 17 Jul 2019 19:25

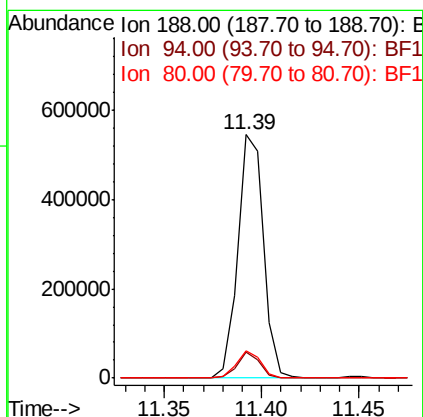
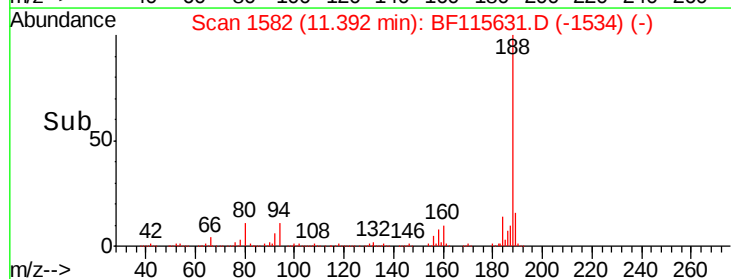
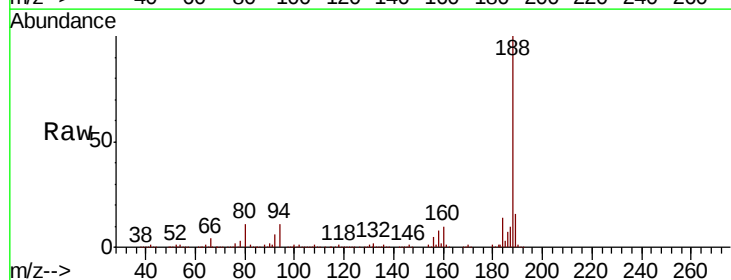
Instrument :
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 ClientSampleId :
 SB-12(0-2)

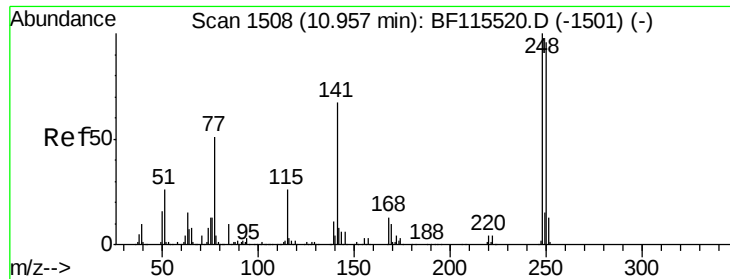
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	34.9	52.3#
89	1.2	57.5	86.3#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.02 min
 Lab File: BF115631.D
 Acq: 17 Jul 2019 19:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	7.8	11.6
80	11.2	8.6	13.0

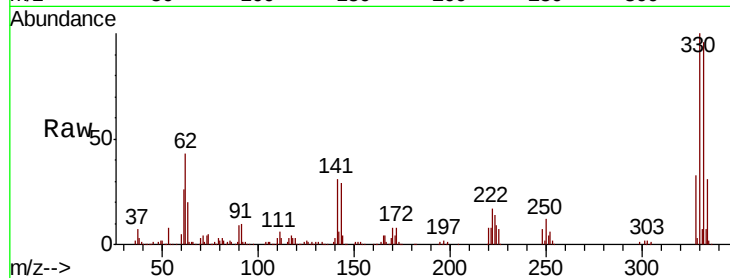




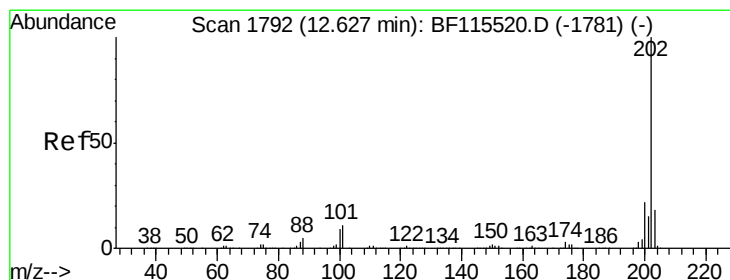
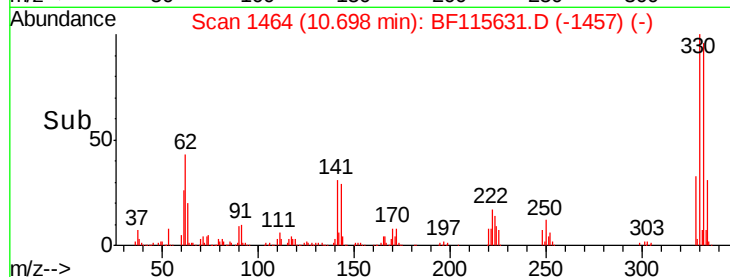
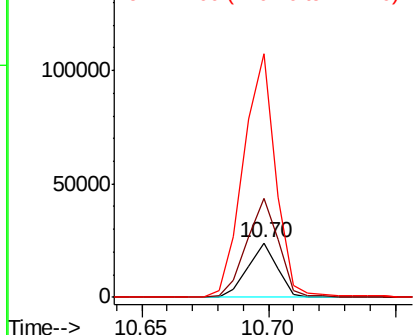
#67
 4-Bromophenyl-phenylether
 Concen: 3.474 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.26 min
 Lab File: BF115631.D
 Acq: 17 Jul 2019 19:25

Instrument :
 BNA_F
 ClientSampled :
 SB-12(0-2)

Tgt Ion:248 Resp: 19713
 Ion Ratio Lower Upper
 248 100
 250 183.4 78.0 117.0#
 141 449.3 57.7 86.5#

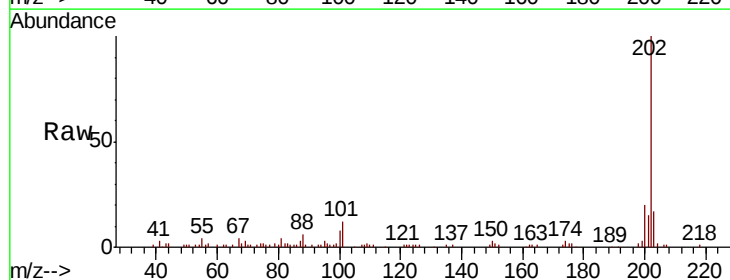


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

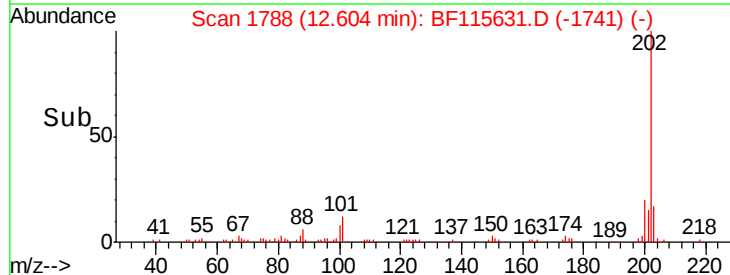
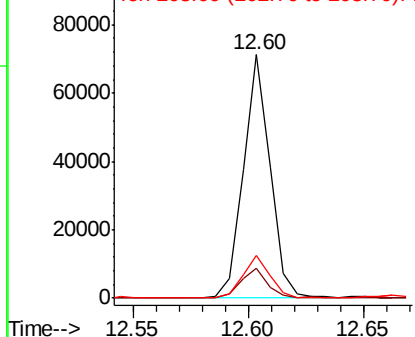


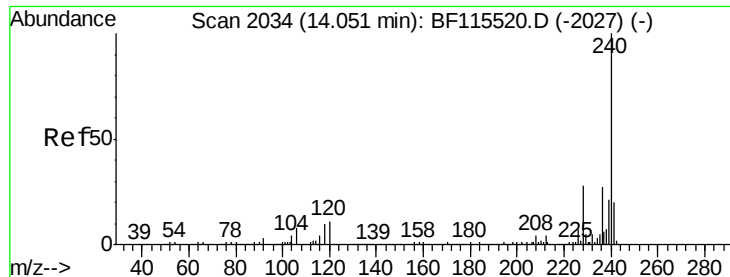
#75
 Fluoranthene
 Concen: 2.129 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. -0.02 min
 Lab File: BF115631.D
 Acq: 17 Jul 2019 19:25

Tgt Ion:202 Resp: 57268
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 31.4
 203 17.4 0.0 38.1



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

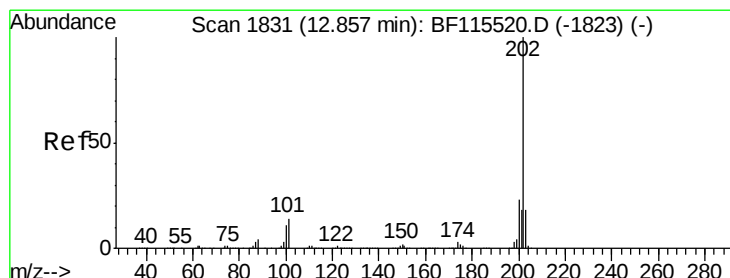
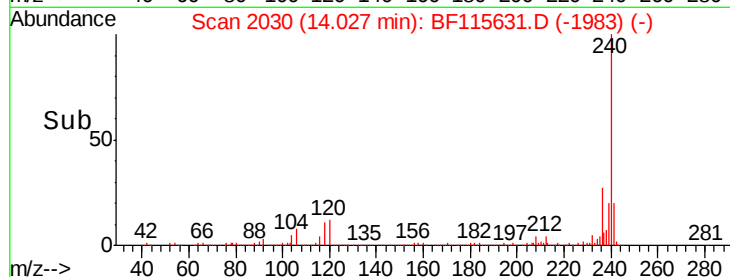
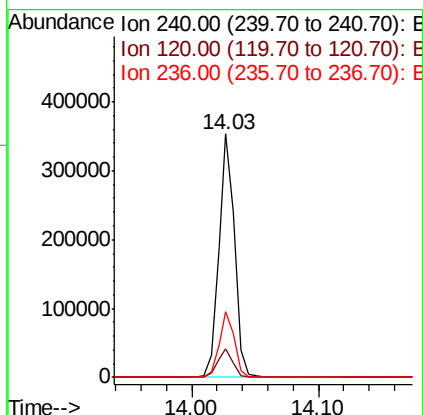
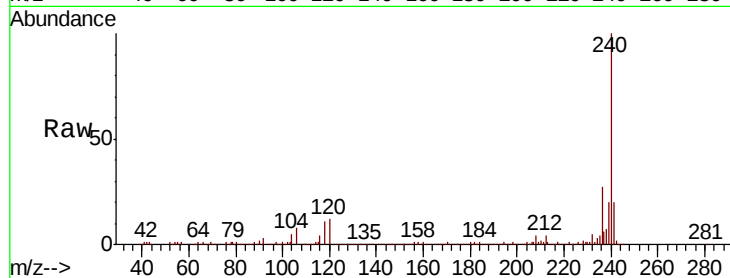




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF115631.D
Acq: 17 Jul 2019 19:25

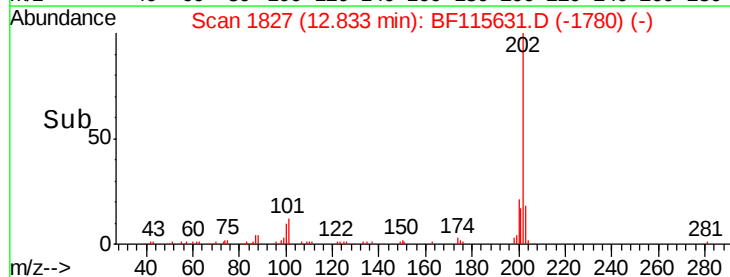
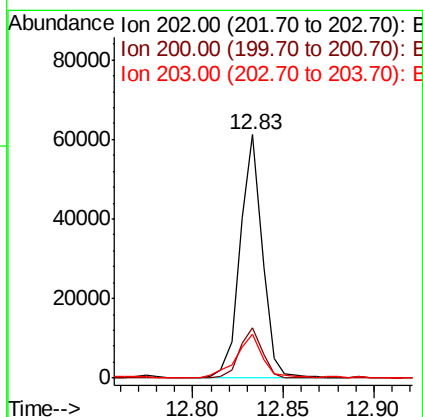
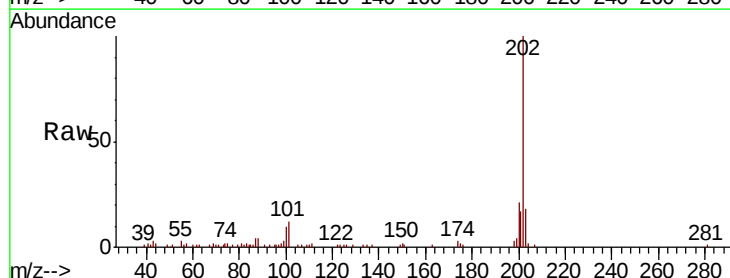
Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)

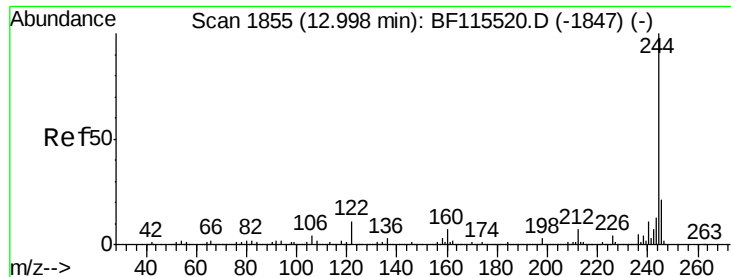
Tgt Ion:240 Resp: 306015
Ion Ratio Lower Upper
240 100
120 11.7 8.6 13.0
236 27.1 21.3 31.9



#78
Pyrene
Concen: 2.015 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.02 min
Lab File: BF115631.D
Acq: 17 Jul 2019 19:25

Tgt Ion:202 Resp: 52237
Ion Ratio Lower Upper
202 100
200 20.5 18.7 28.1
203 18.2 15.2 22.8





#79

Terphenyl-d14

Concen: 67.125 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.02 min

Lab File: BF115631.D

Acq: 17 Jul 2019 19:25

Instrument :

BNA_F

ClientSampleId :

SB-12(0-2)

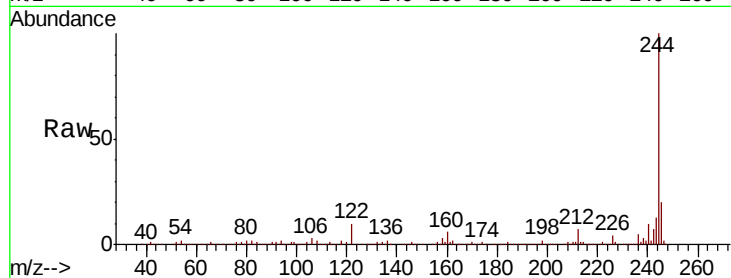
Tgt Ion:244 Resp: 1113254

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

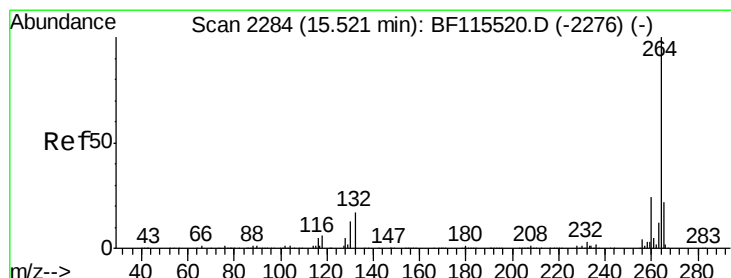
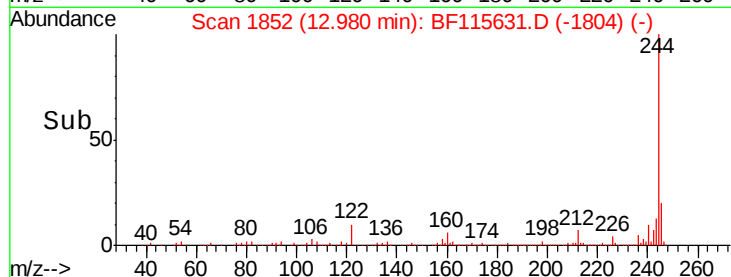
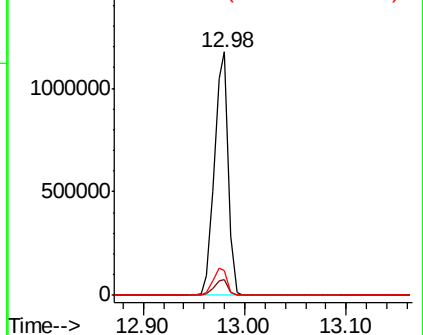
122 10.1 8.6 12.8



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.03 min

Lab File: BF115631.D

Acq: 17 Jul 2019 19:25

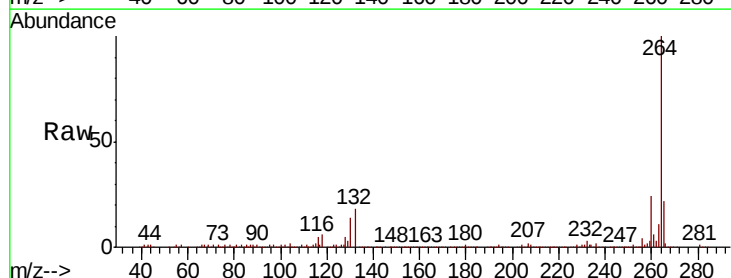
Tgt Ion:264 Resp: 332984

Ion Ratio Lower Upper

264 100

260 24.5 19.8 29.8

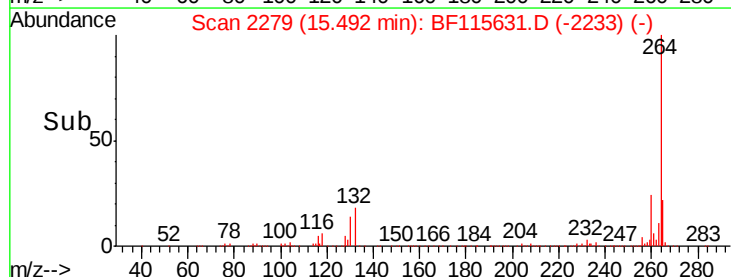
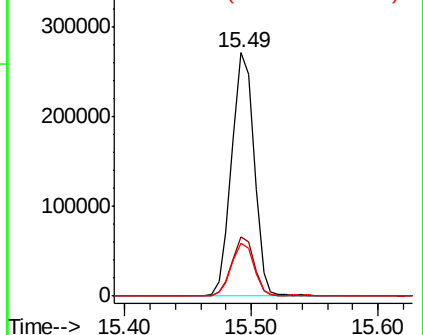
265 21.9 17.7 26.5

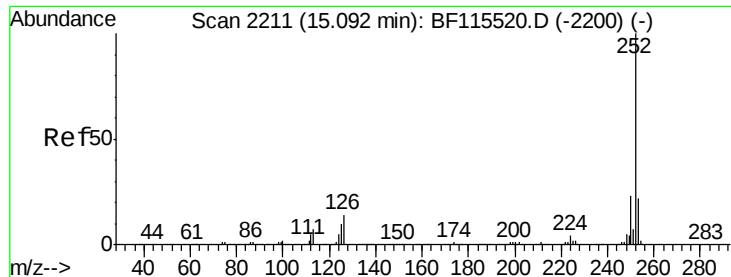


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

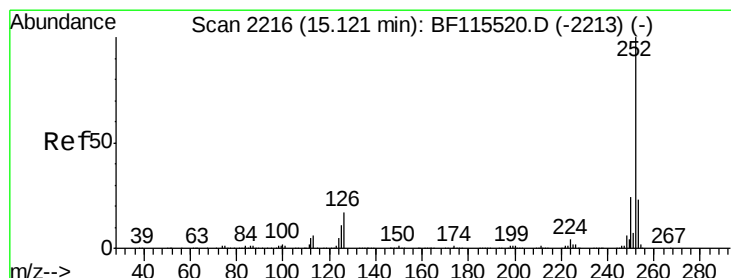
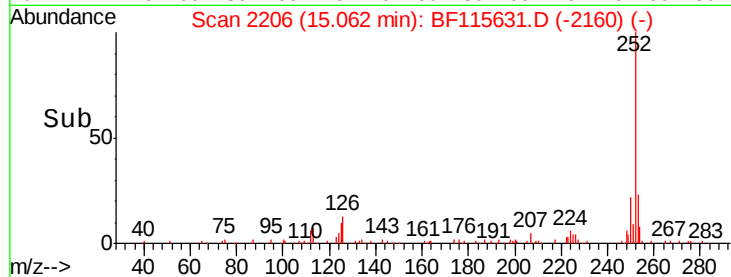
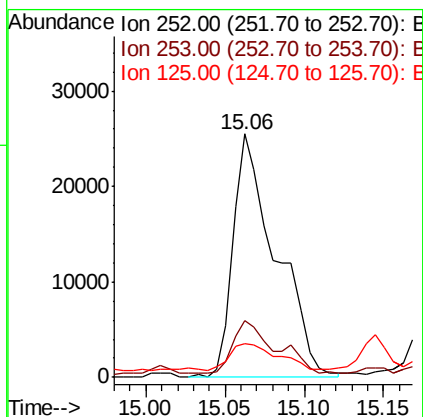
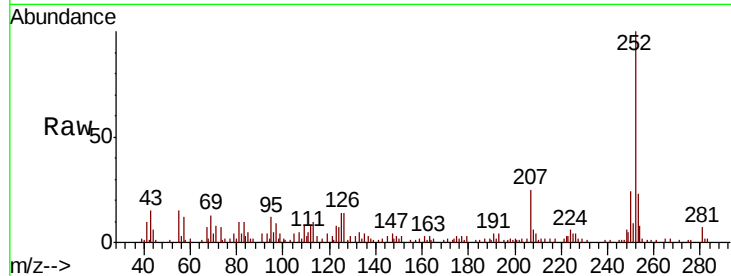




#88
Benzo(b)fluoranthene
Concen: 2.228 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF115631.D
Acq: 17 Jul 2019 19:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	13.8	9.0	13.4



#89
Benzo(k)fluoranthene
Concen: 2.498 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.06 min
Lab File: BF115631.D
Acq: 17 Jul 2019 19:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.6	28.0
125	13.8	9.0	13.6

