

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
 Data File : BF113143.D
 Acq On : 19 Mar 2019 23:32
 Operator : JU/SJ
 Sample : K1971-09 20X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15(1-2)-031519

Quant Time: Mar 20 01:50:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

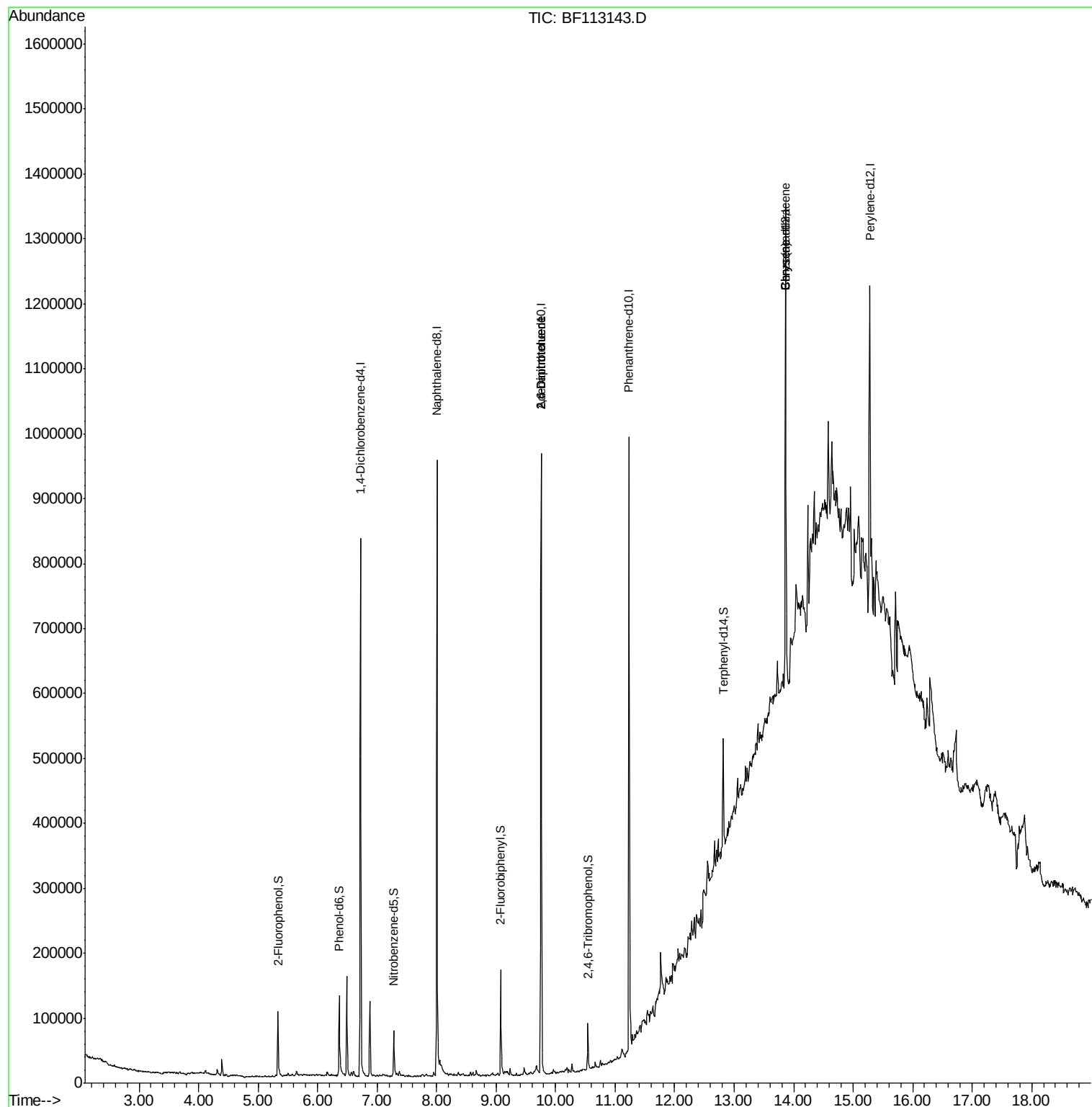
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	123246	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	442501	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	190346	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	369472	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	282097	20.00	ng	0.00
87) Perylene-d12	15.28	264	230357	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	34983	4.42	ng	-0.01
7) Phenol-d6	6.36	99	54163	5.44	ng	-0.01
23) Nitrobenzene-d5	7.28	82	26883	3.64	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	10512	5.20	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	61086	2.84	ng	-0.01
79) Terphenyl-d14	12.82	244	66121	4.54	ng	0.00
Target Compounds						
51) 2,6-Dinitrotoluene	9.76	165	24078	8.238	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	24078	6.628	ng	# 18
81) Benzo(a)anthracene	13.87	228	44820	2.292	ng	# 87
83) Chrysene	13.87	228	44820	2.340	ng	# 91

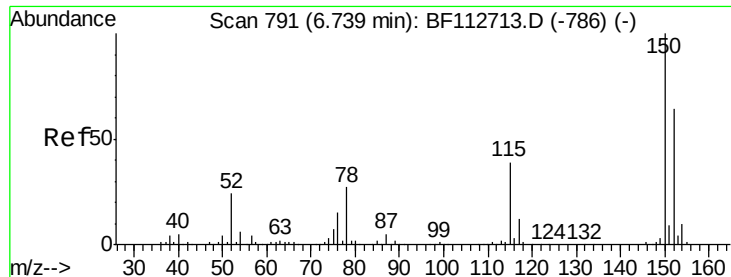
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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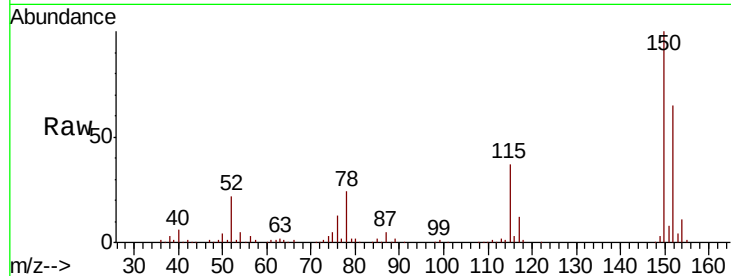




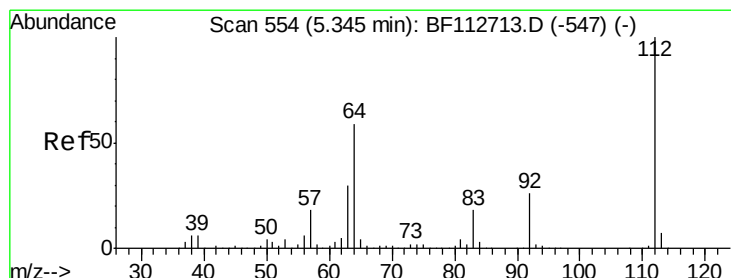
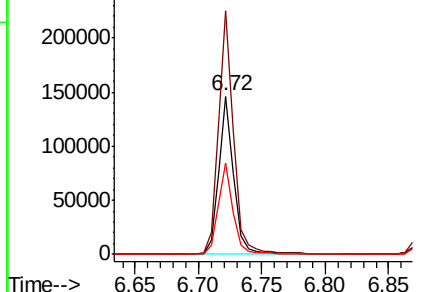
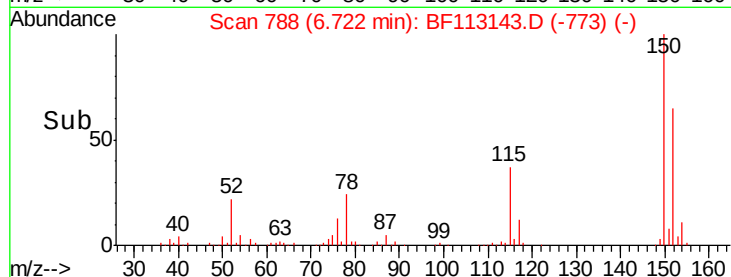
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF113143.D
 Acq: 19 Mar 2019 23:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-15(1-2)-031519

Tgt Ion:152 Resp: 123246
 Ion Ratio Lower Upper
 152 100
 150 154.0 124.2 186.2
 115 57.4 48.2 72.4

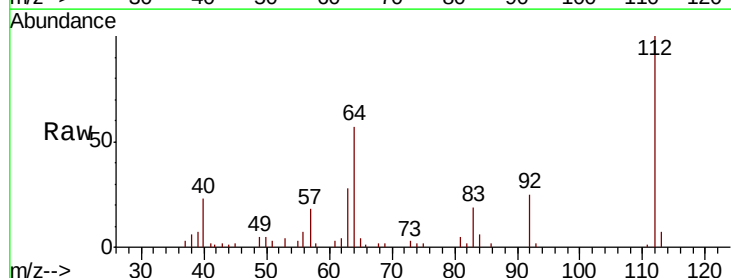


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

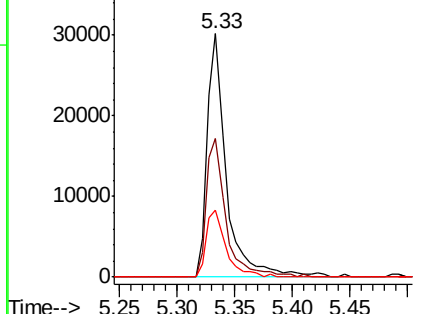
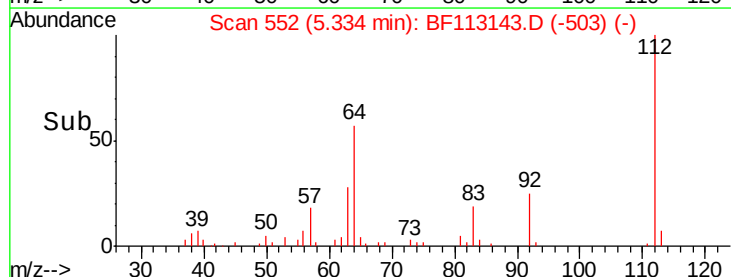


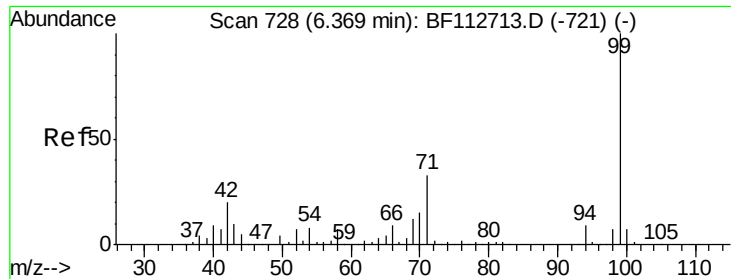
#5
 2-Fluorophenol
 Concen: 4.415 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF113143.D
 Acq: 19 Mar 2019 23:32

Tgt Ion:112 Resp: 34983
 Ion Ratio Lower Upper
 112 100
 64 56.8 47.6 71.4
 63 27.7 24.4 36.6



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: 5.442 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113143.D

Acq: 19 Mar 2019 23:32

Instrument :

BNA_F

ClientSampleId :

SB-15(1-2)-031519

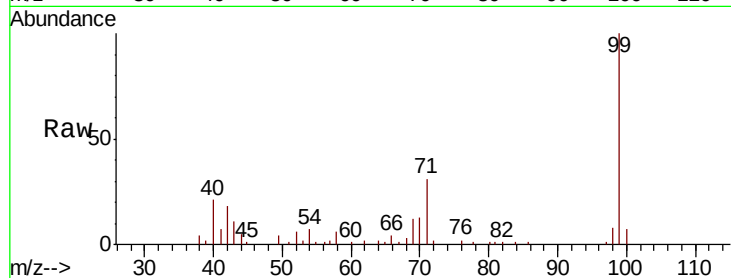
Tgt Ion: 99 Resp: 54163

Ion Ratio Lower Upper

99 100

42 18.4 16.3 24.5

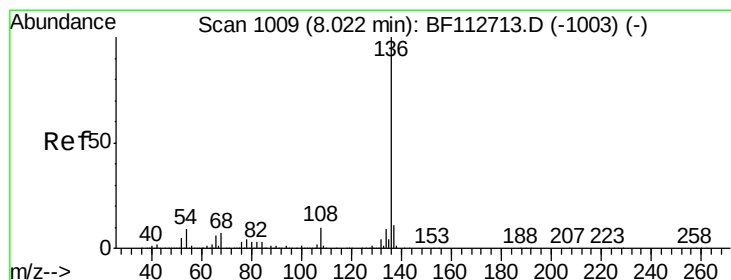
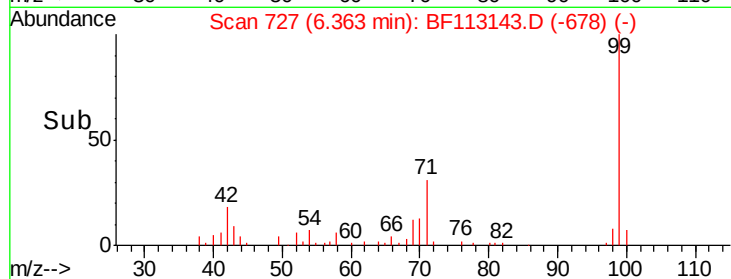
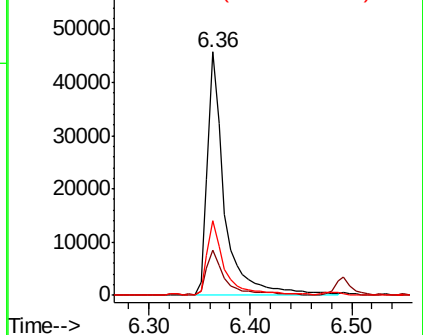
71 30.8 26.2 39.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113143.D

Acq: 19 Mar 2019 23:32

Tgt Ion: 136 Resp: 442501

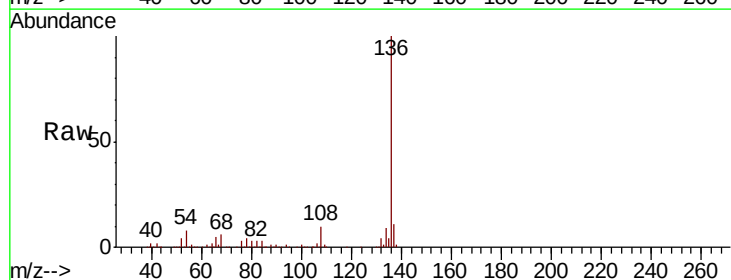
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.2 7.3 10.9

68 5.5 5.4 8.2

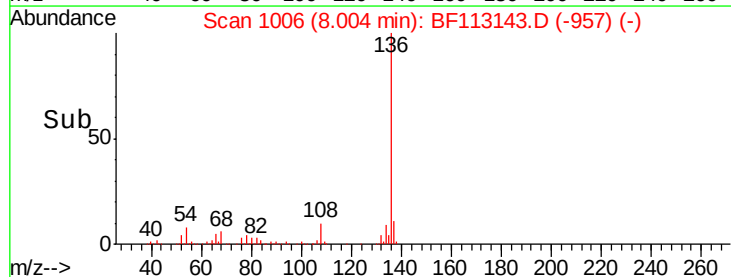
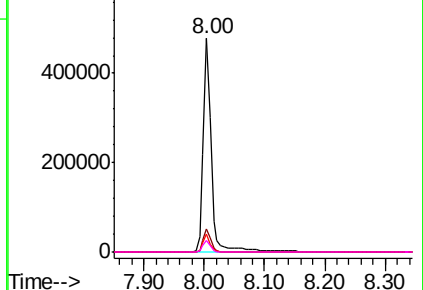


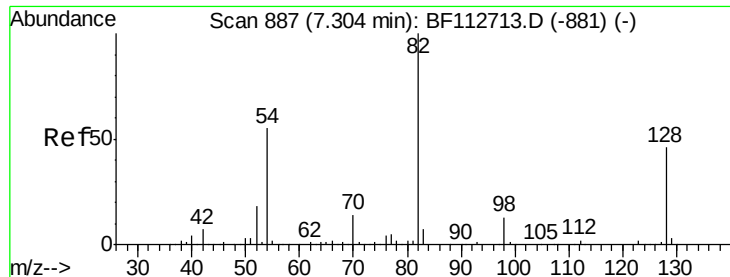
Abundance Ion 136.00 (135.70 to 136.70): E

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

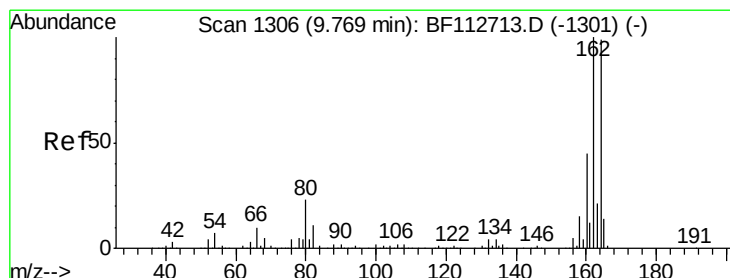
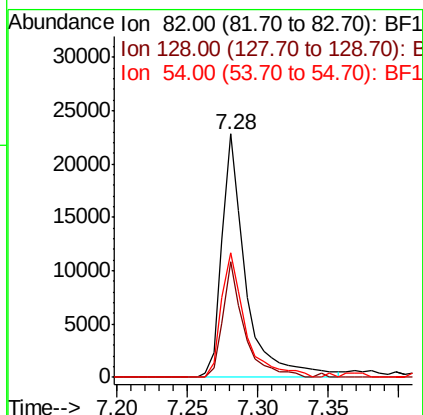
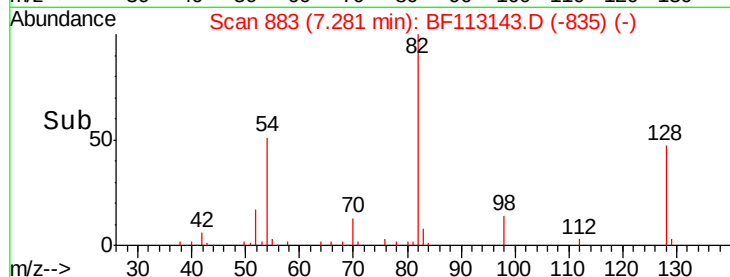
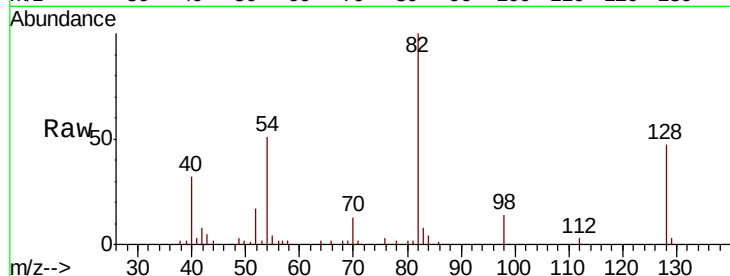




#23
 Nitrobenzene-d5
 Concen: 3.635 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF113143.D
 Acq: 19 Mar 2019 23:32

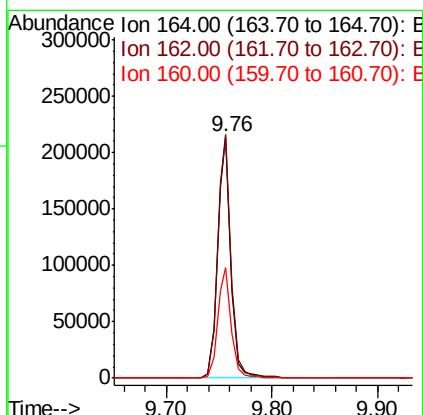
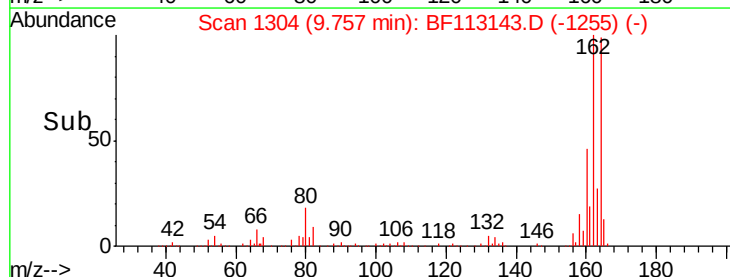
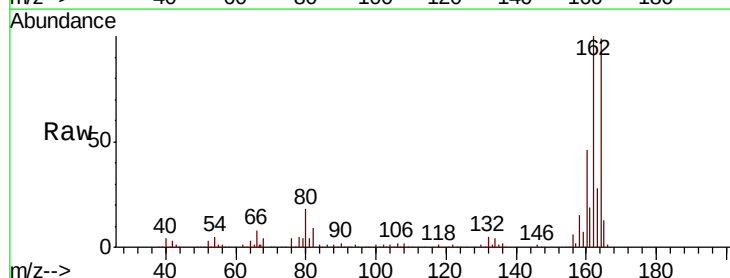
Instrument :
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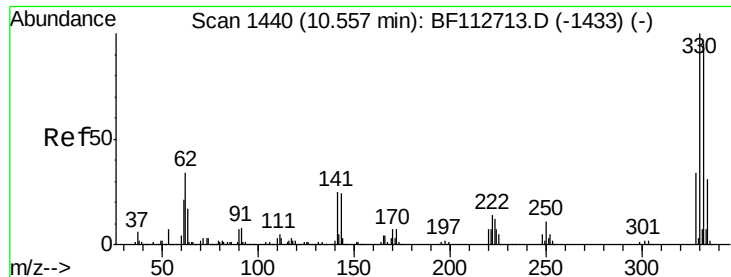
Tgt Ion: 82 Resp: 26883
 Ion Ratio Lower Upper
 82 100
 128 47.4 36.3 54.5
 54 51.4 43.7 65.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF113143.D
 Acq: 19 Mar 2019 23:32

Tgt Ion: 164 Resp: 190346
 Ion Ratio Lower Upper
 164 100
 162 100.8 80.6 120.8
 160 45.9 36.0 54.0

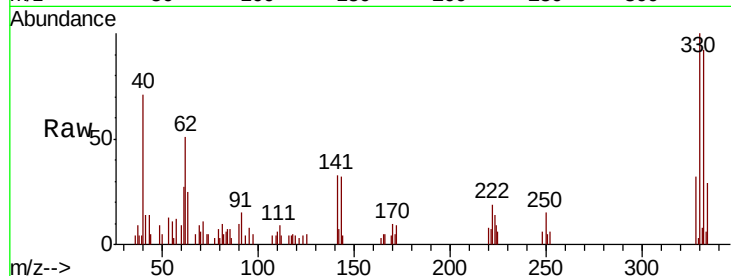




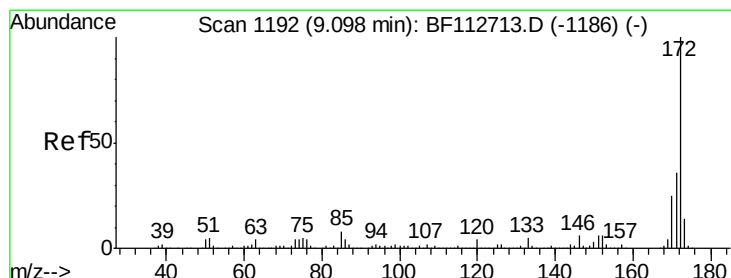
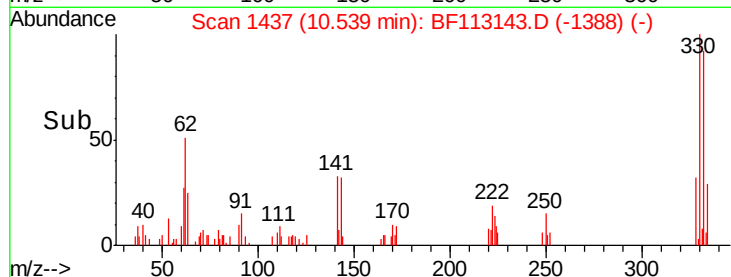
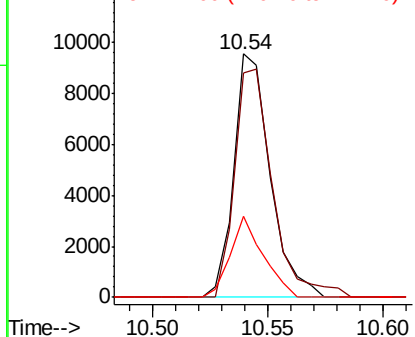
#42
 2,4,6-Tribromophenol
 Concen: 5.202 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF113143.D
 Acq: 19 Mar 2019 23:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-15(1-2)-031519

Tgt Ion:330 Resp: 10512
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.2 114.4
 141 29.8 27.0 40.6

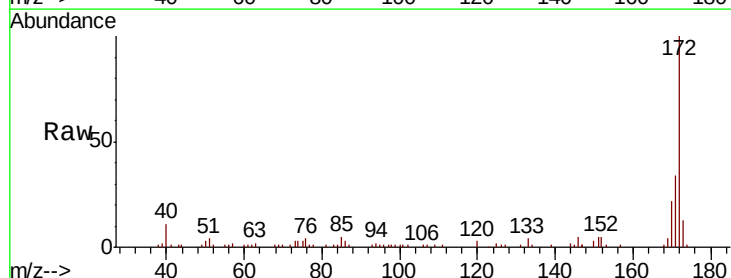


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

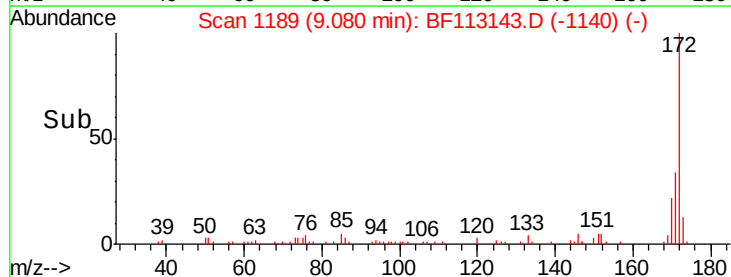
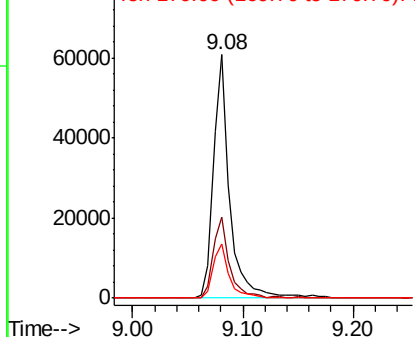


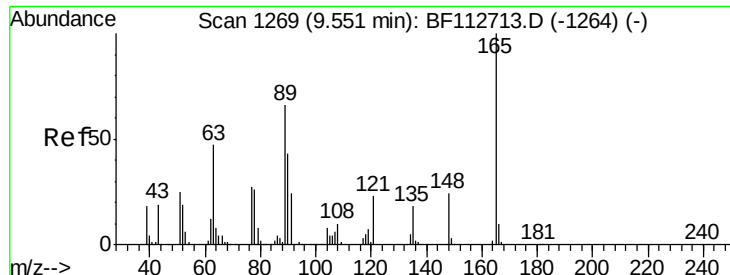
#45
 2-Fluorobiphenyl
 Concen: 2.841 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113143.D
 Acq: 19 Mar 2019 23:32

Tgt Ion:172 Resp: 61086
 Ion Ratio Lower Upper
 172 100
 171 33.5 29.0 43.4
 170 22.2 20.0 30.0



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





#51

2,6-Dinitrotoluene

Concen: 8.238 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.21 min

Lab File: BF113143.D

Acq: 19 Mar 2019 23:32

Instrument :

BNA_F

ClientSampleId :

SB-15(1-2)-031519

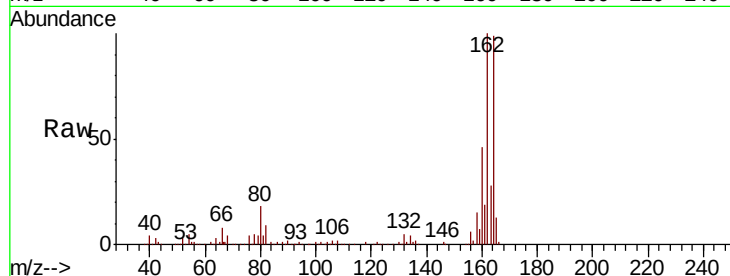
Tgt Ion:165 Resp: 24078

Ion Ratio Lower Upper

165 100

63 1.2 54.1 81.1#

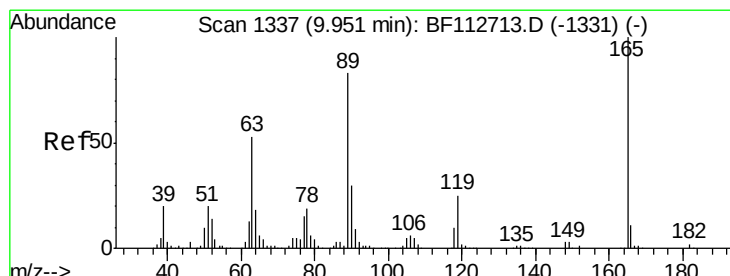
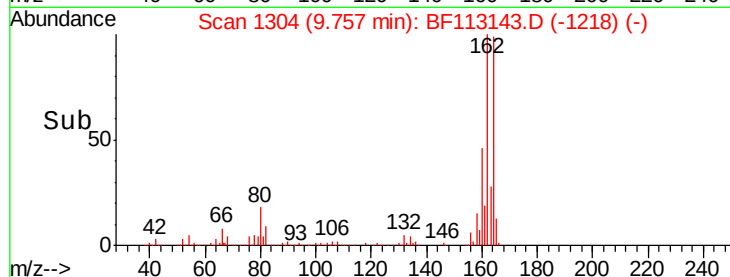
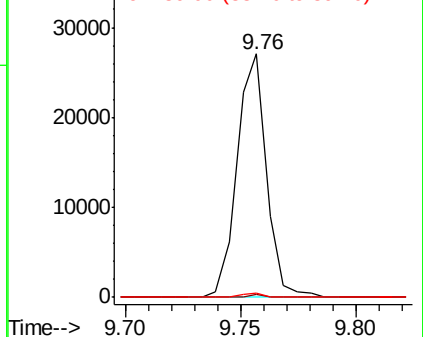
89 1.6 52.8 79.2#



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: 6.628 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.20 min

Lab File: BF113143.D

Acq: 19 Mar 2019 23:32

Tgt Ion:165 Resp: 24078

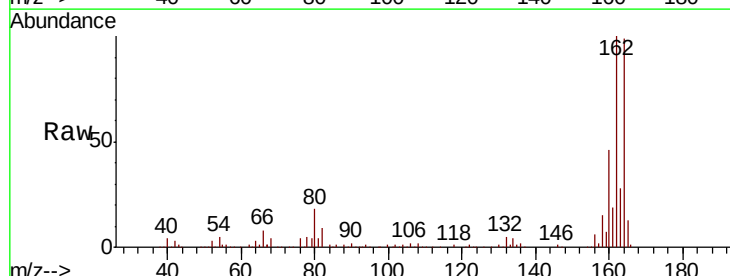
Ion Ratio Lower Upper

165 100

63 1.2 42.2 63.2#

89 1.6 66.2 99.4#

182 0.0 1.8 2.6#

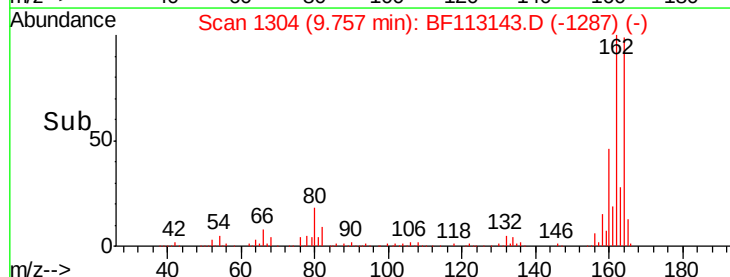
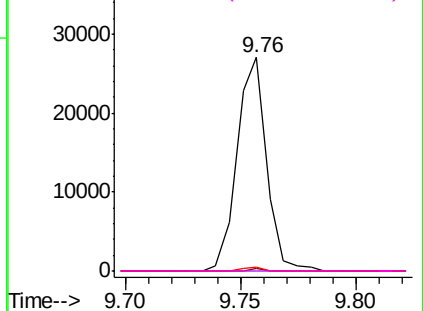


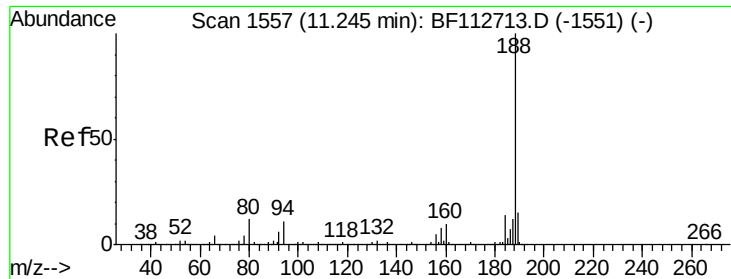
Abundance Ion 165.00 (164.70 to 165.70): E

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

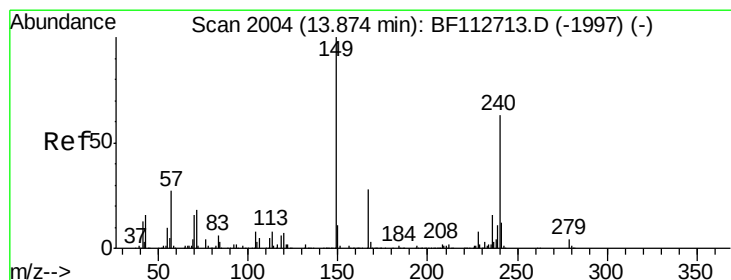
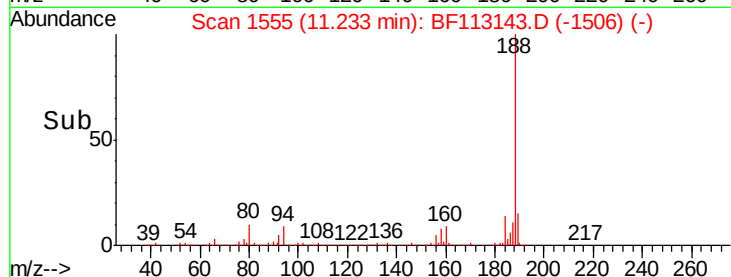
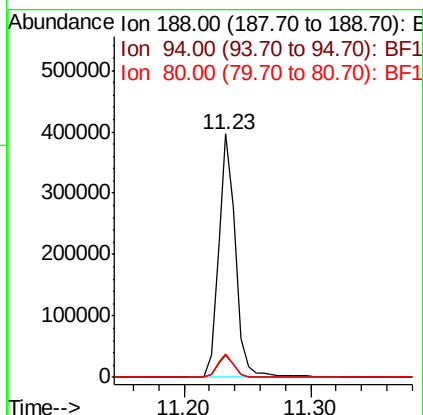
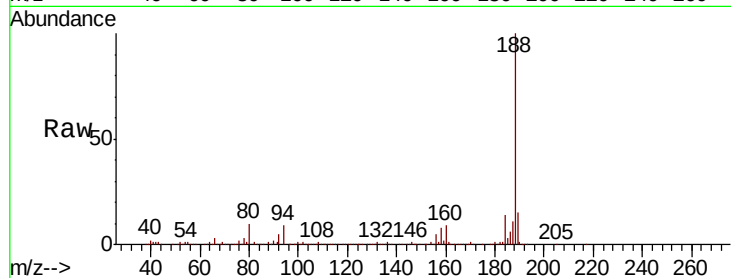




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113143.D
Acq: 19 Mar 2019 23:32

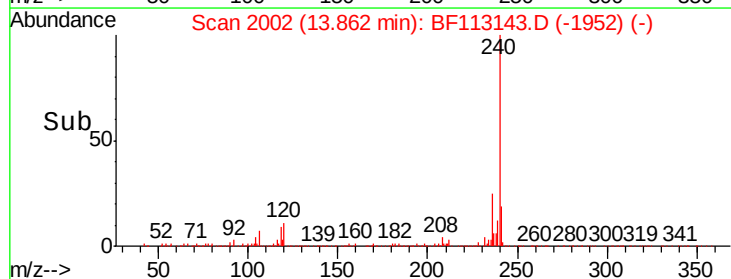
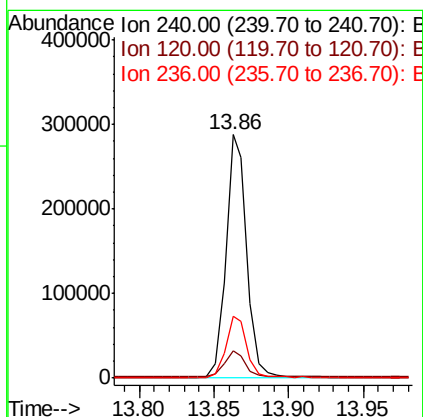
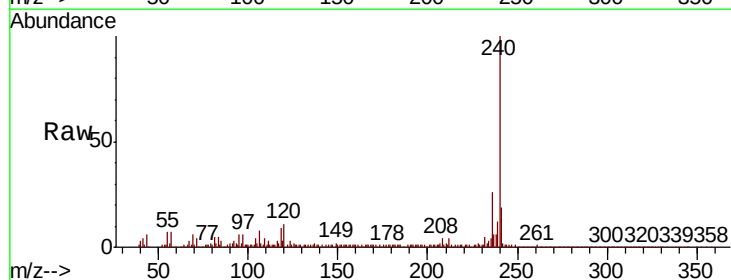
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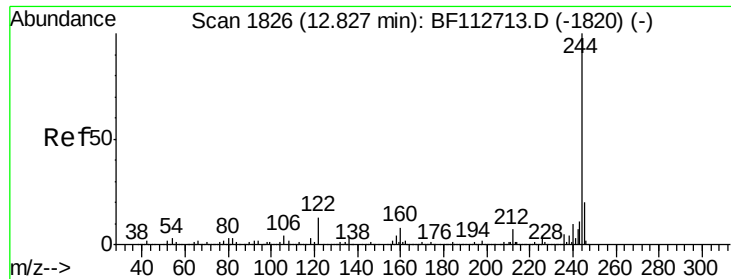
Tgt Ion:188 Resp: 369472
Ion Ratio Lower Upper
188 100
94 9.0 9.0 13.4
80 9.6 9.2 13.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113143.D
Acq: 19 Mar 2019 23:32

Tgt Ion:240 Resp: 282097
Ion Ratio Lower Upper
240 100
120 11.4 8.9 13.3
236 25.6 20.7 31.1





#79

Terphenyl-d14

Concen: 4.544 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113143.D

Acq: 19 Mar 2019 23:32

Instrument :

BNA_F

ClientSampleId :

SB-15(1-2)-031519

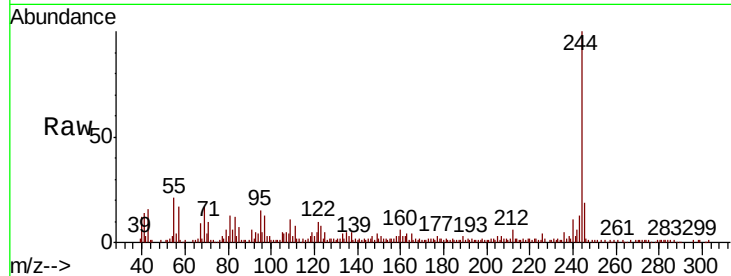
Tgt Ion:244 Resp: 66121

Ion Ratio Lower Upper

244 100

212 5.9 5.6 8.4

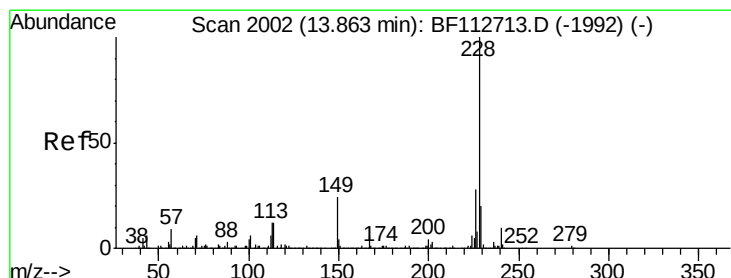
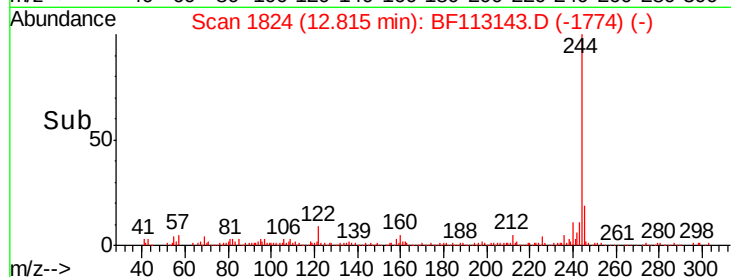
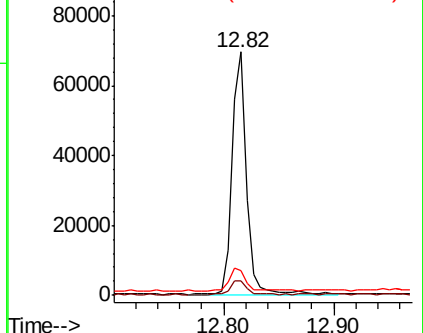
122 10.4 10.5 15.7#



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: 2.292 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.02 min

Lab File: BF113143.D

Acq: 19 Mar 2019 23:32

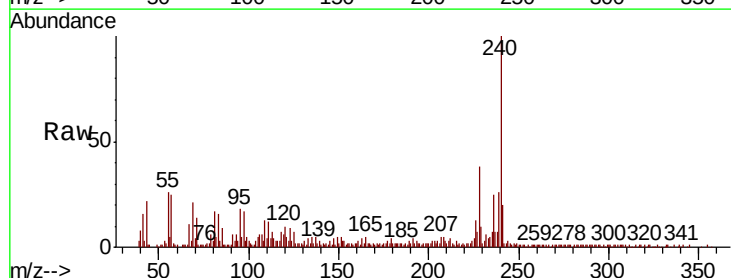
Tgt Ion:228 Resp: 44820

Ion Ratio Lower Upper

228 100

226 34.4 22.2 33.4#

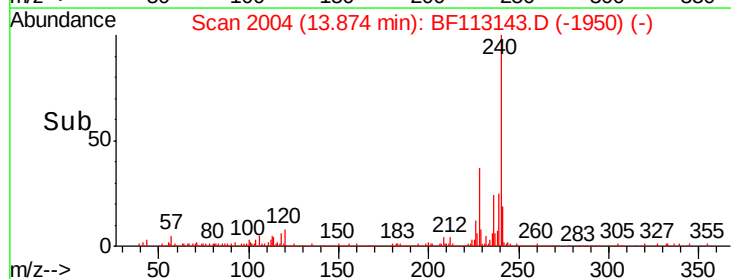
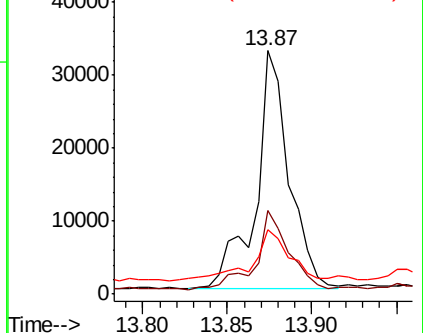
229 26.2 16.0 24.0#

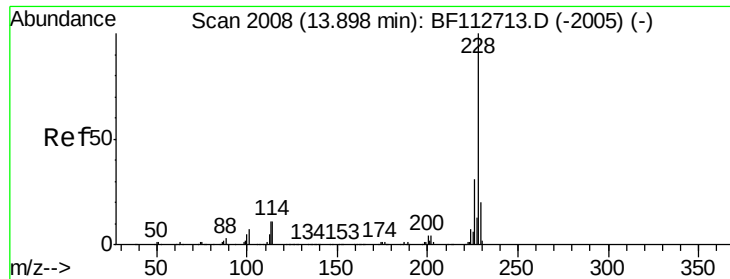


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.340 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF113143.D

Acq: 19 Mar 2019 23:32

Instrument :

BNA_F

ClientSampleId :

SB-15(1-2)-031519

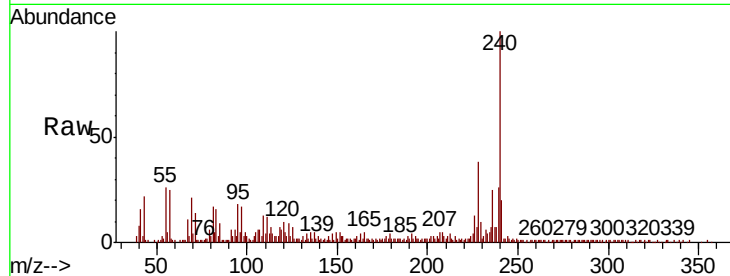
Tgt Ion:228 Resp: 44820

Ion Ratio Lower Upper

228 100

226 34.4 24.9 37.3

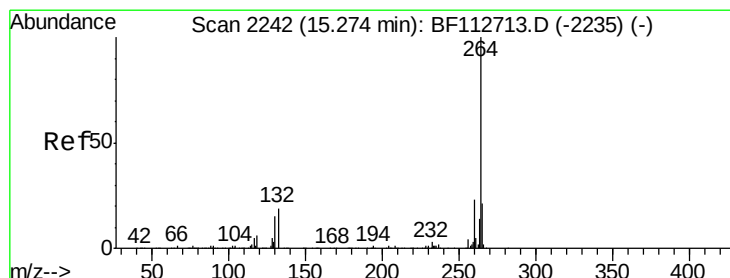
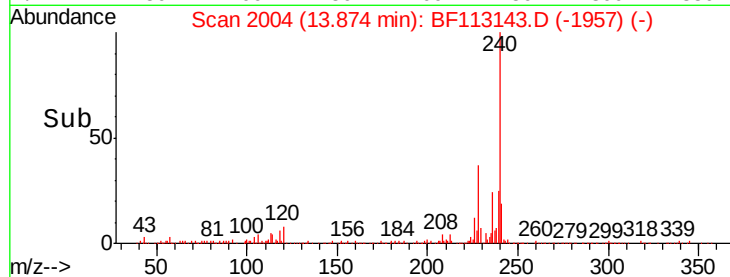
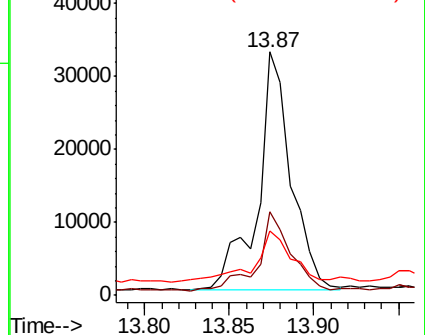
229 26.2 16.3 24.5#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF113143.D

Acq: 19 Mar 2019 23:32

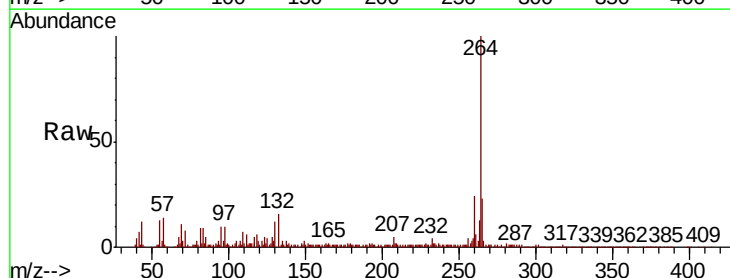
Tgt Ion:264 Resp: 230357

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 22.5 17.2 25.8



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

