

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032919\
 Data File : BF113409.D
 Acq On : 29 Mar 2019 12:18
 Operator : JU/SJ
 Sample : K2155-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSSI-0328-S-DH-5-T

Quant Time: Mar 29 13:09:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	191625	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	690249	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	312721	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	524297	20.00	ng	0.00
76) Chrysene-d12	13.84	240	442861	20.00	ng	0.00
87) Perylene-d12	15.24	264	440804	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1316785	112.36	ng	0.01
7) Phenol-d6	6.36	99	1704125	114.94	ng	0.00
23) Nitrobenzene-d5	7.27	82	1068516	91.88	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	395808	102.47	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1742230	87.93	ng	0.00
79) Terphenyl-d14	12.79	244	1377824	68.58	ng	0.00

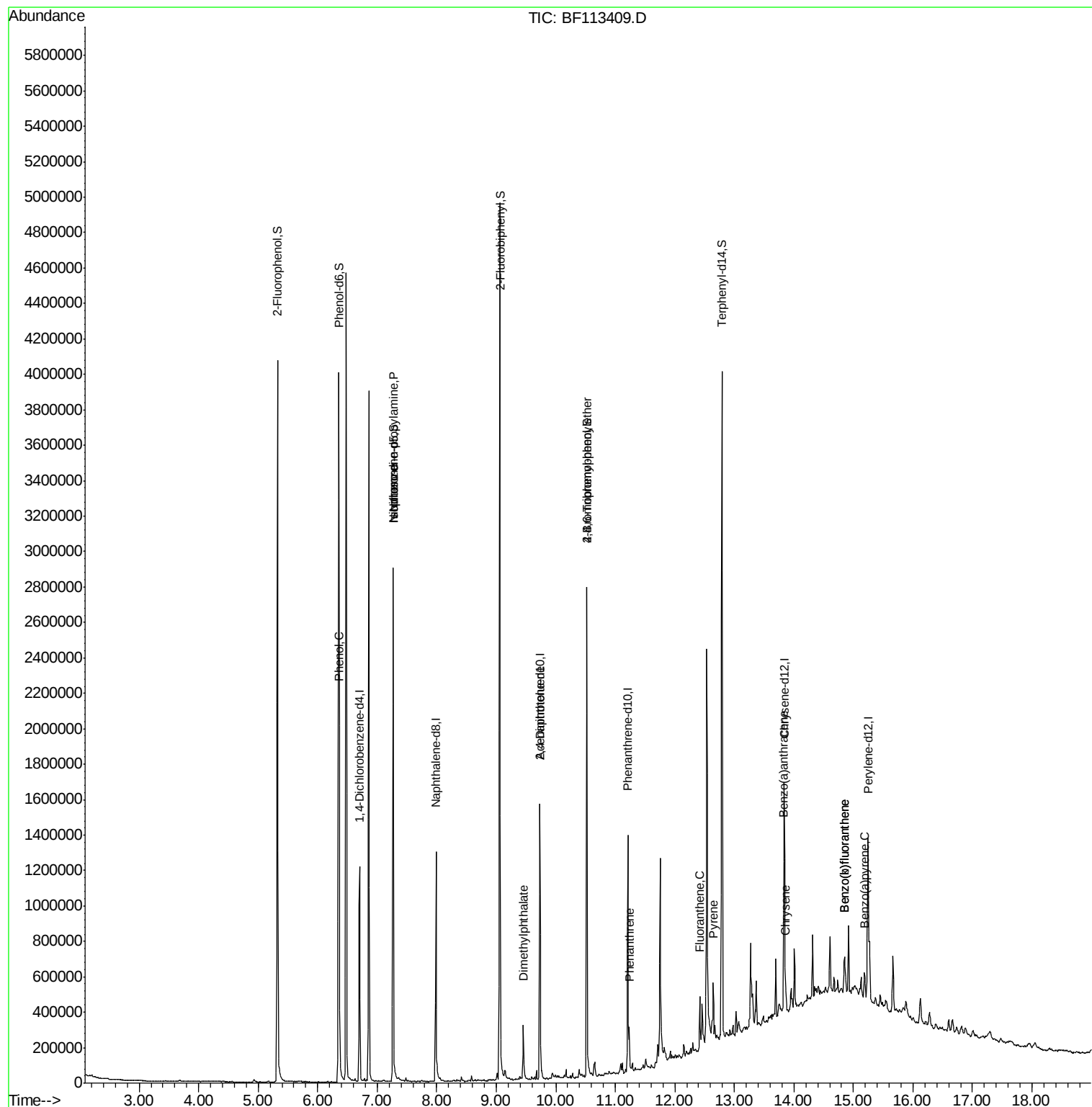
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	45733	2.702	ng	# 71
19) n-Nitroso-di-n-propylamine	7.27	70	138183	14.838	ng	# 76
20) 3+4-Methylphenols	7.15	107	582	Below Cal		# 55
25) Isophorone	7.27	82	1047113	46.461	ng	# 64
50) Dimethylphthalate	9.45	163	134388	5.799	ng	99
57) 2,4-Dinitrotoluene	9.73	165	40872	6.147	ng	# 23
67) 4-Bromophenyl-phenylether	10.52	248	22003	3.850	ng	# 1
71) Phenanthrene	11.23	178	82084	3.153	ng	97
75) Fluoranthene	12.42	202	138469	4.704	ng	97
78) Pyrene	12.64	202	129746	4.228	ng	98
81) Benzo(a)anthracene	13.83	228	75736	2.988	ng	98
83) Chrysene	13.86	228	69054	2.682	ng	97
88) Benzo(b)fluoranthene	14.85	252	130520	4.767	ng	# 91
89) Benzo(k)fluoranthene	14.85	252	130520	5.428	ng	# 90
90) Benzo(a)pyrene	15.19	252	67957	2.799	ng	# 90

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

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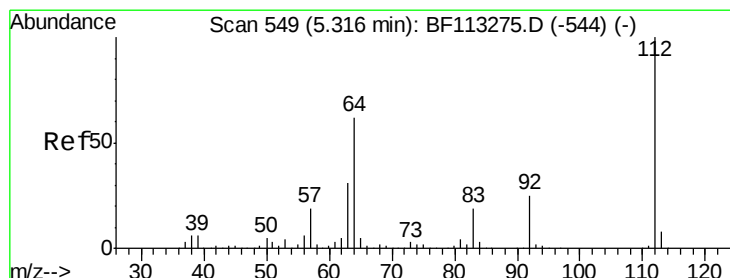
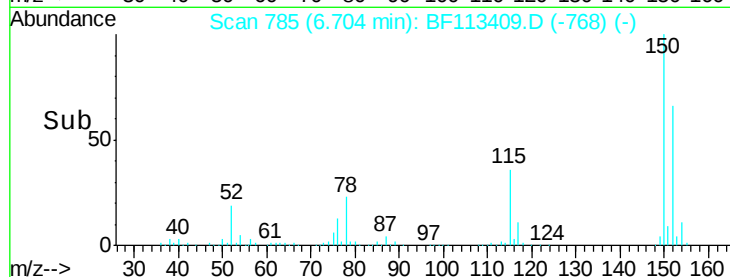
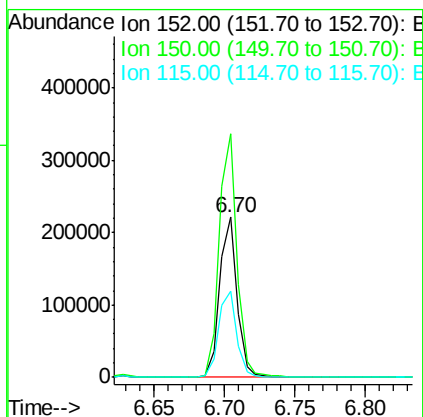
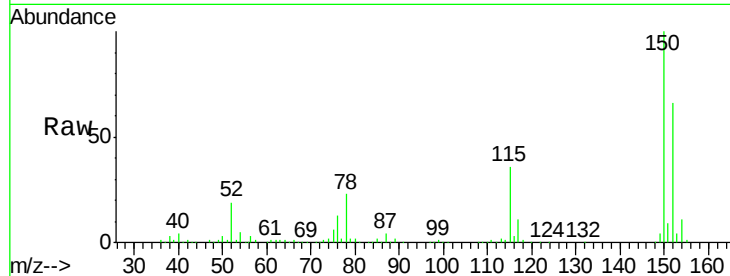


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF113409.D
Acq: 29 Mar 2019 12:18

Instrument :
BNA_F
ClientSampleId :
SSSI-0328-S-DH-5-T

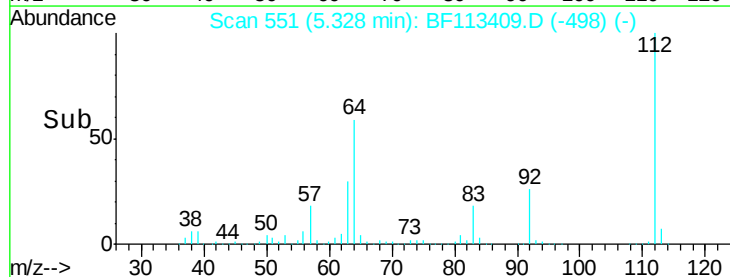
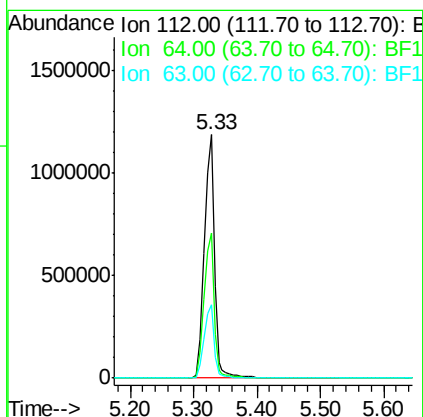
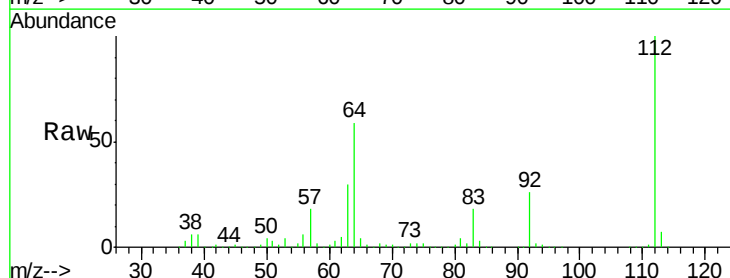
Tgt Ion:152 Resp: 191625
Ion Ratio Lower Upper
152 100
150 152.2 124.7 187.1
115 54.2 46.0 69.0

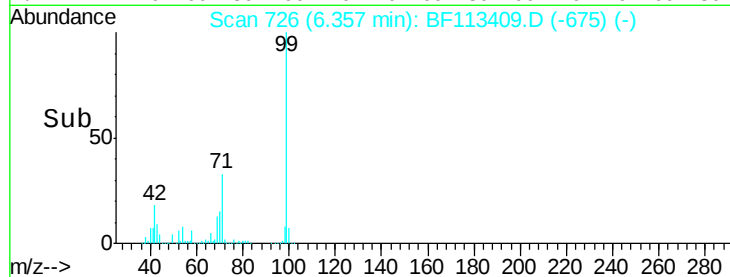
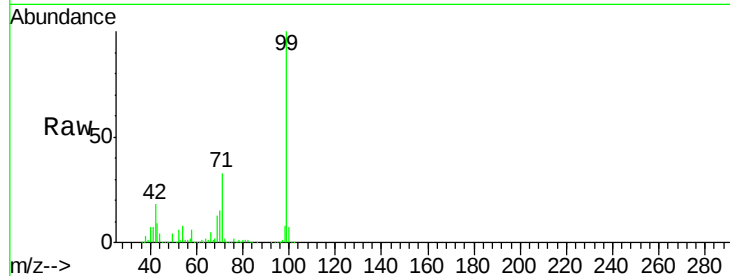
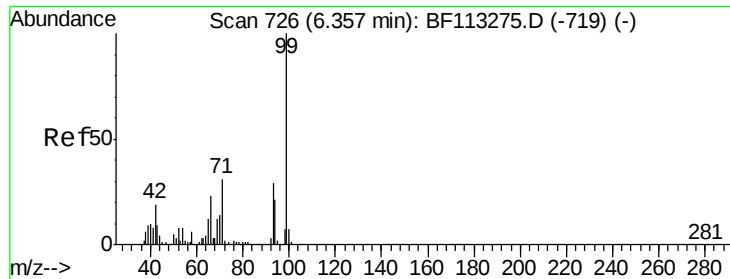


#5

2-Fluorophenol
Concen: 112.360 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF113409.D
Acq: 29 Mar 2019 12:18

Tgt Ion:112 Resp: 1316785
Ion Ratio Lower Upper
112 100
64 59.3 49.2 73.8
63 30.3 24.9 37.3





#7

Phenol-d6

Concen: 114.945 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF113409.D

Acq: 29 Mar 2019 12:18

Instrument :

BNA_F

ClientSampleId :

SSSI-0328-S-DH-5-T

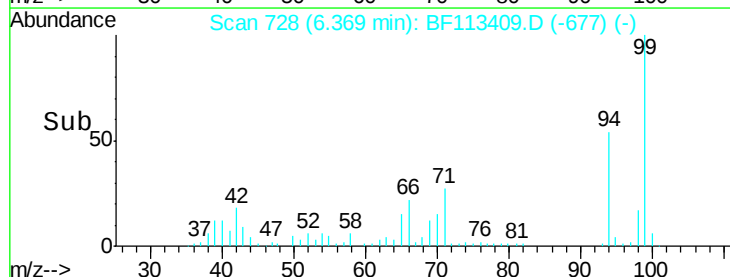
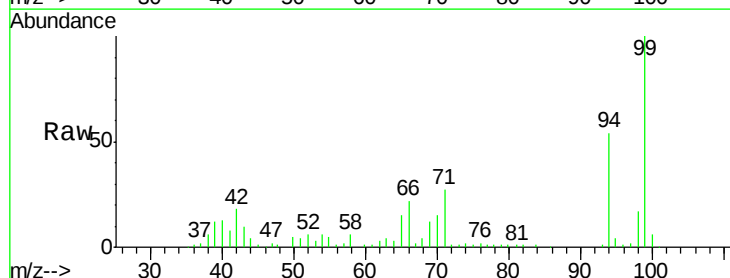
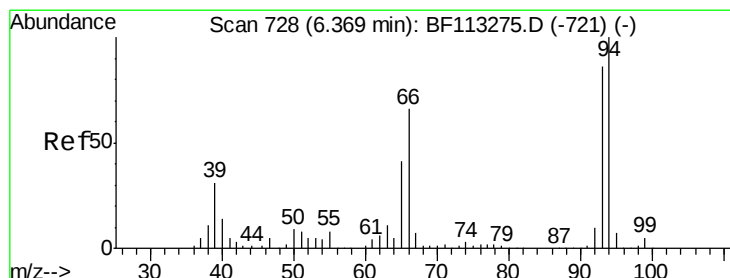
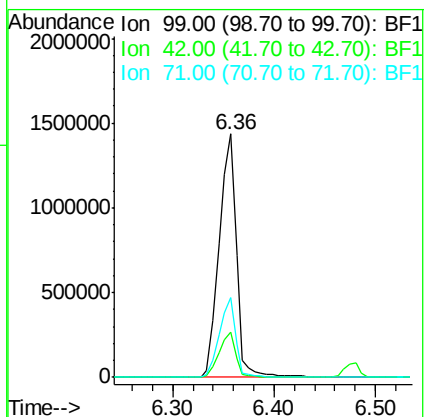
Tgt Ion: 99 Resp: 1704125

Ion Ratio Lower Upper

99 100

42 18.3 14.8 22.2

71 32.6 24.9 37.3



#10

Phenol

Concen: 2.702 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF113409.D

Acq: 29 Mar 2019 12:18

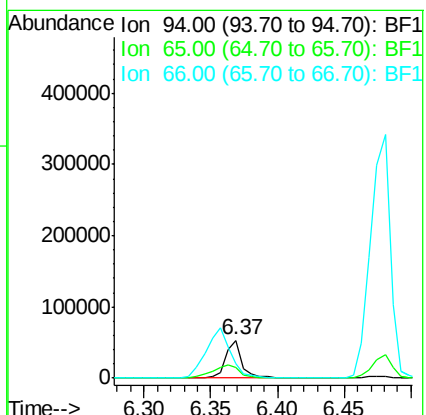
Tgt Ion: 94 Resp: 45733

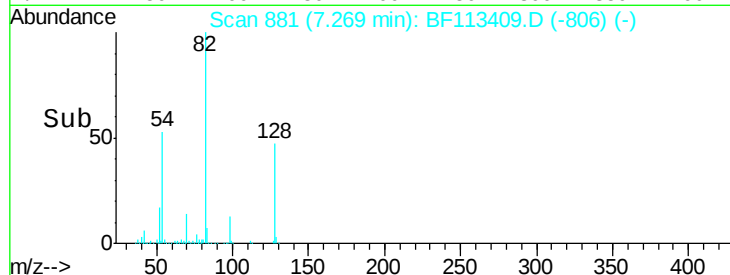
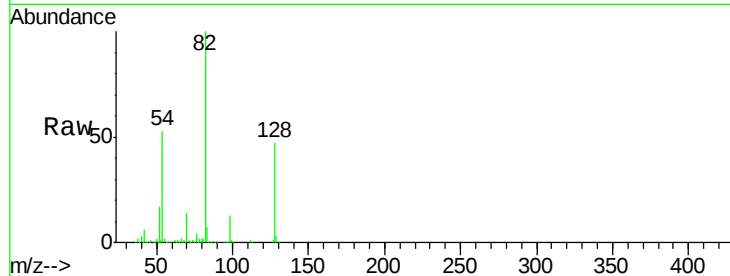
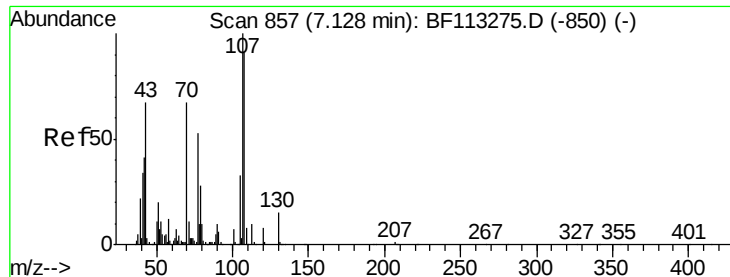
Ion Ratio Lower Upper

94 100

65 27.2 21.4 61.4

66 40.2 46.4 86.4#

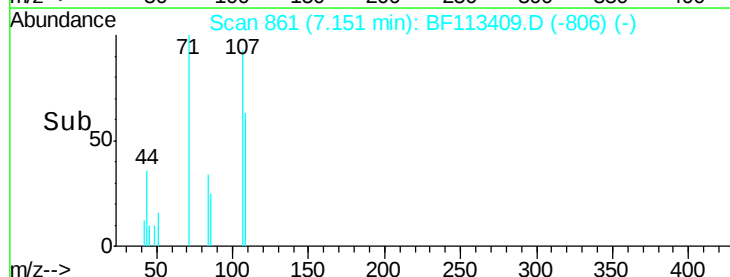
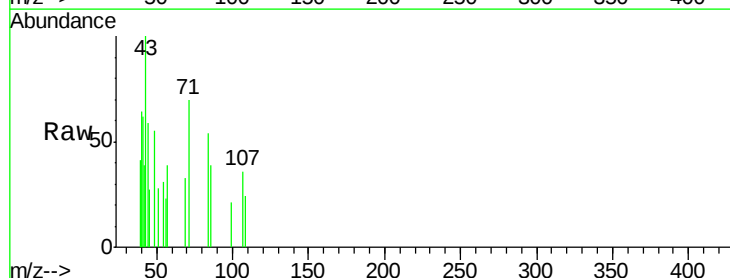
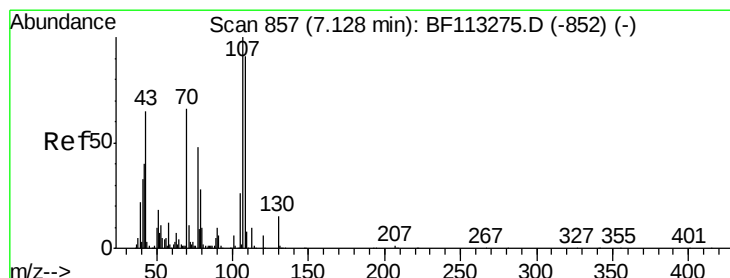
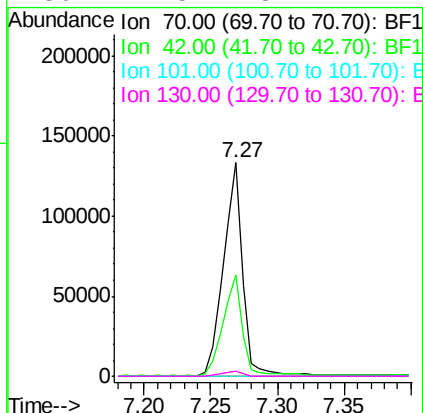




#19
n-Nitroso-di-n-propylamine
Concen: 14.838 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.14 min
Lab File: BF113409.D
Acq: 29 Mar 2019 12:18

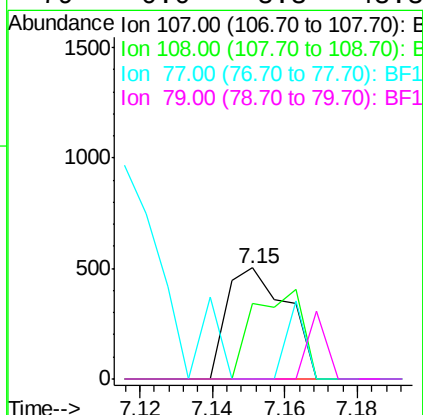
Instrument :
BNA_F
ClientSampleId :
SSSI-0328-S-DH-5-T

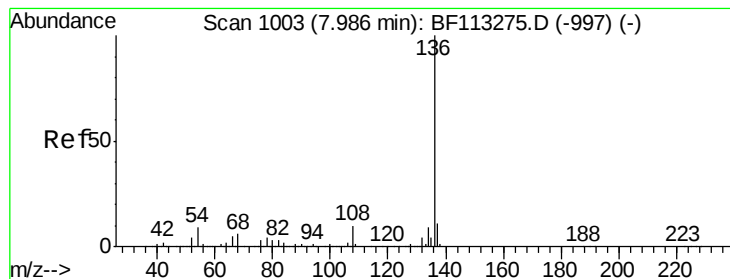
Tgt Ion: 70 Resp: 138183
Ion Ratio Lower Upper
70 100
42 47.4 48.4 72.6#
101 0.0 7.8 11.8#
130 2.5 18.2 27.4#



#20
3+4-Methylphenols
Concen: Below Cal
RT: 7.15 min Scan# 861
Delta R.T. 0.02 min
Lab File: BF113409.D
Acq: 29 Mar 2019 12:18

Tgt Ion: 107 Resp: 582
Ion Ratio Lower Upper
107 100
108 67.4 71.4 111.4#
77 0.0 33.5 73.5#
79 0.0 8.3 48.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF113409.D

Acq: 29 Mar 2019 12:18

Instrument :

BNA_F

ClientSampleId :

SSSI-0328-S-DH-5-T

Tgt Ion:136 Resp: 690249

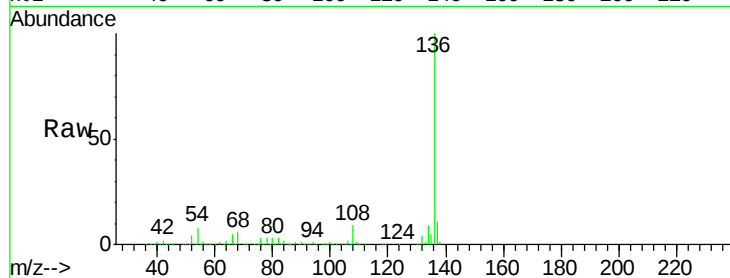
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.5 7.0 10.6

68 5.6 4.8 7.2

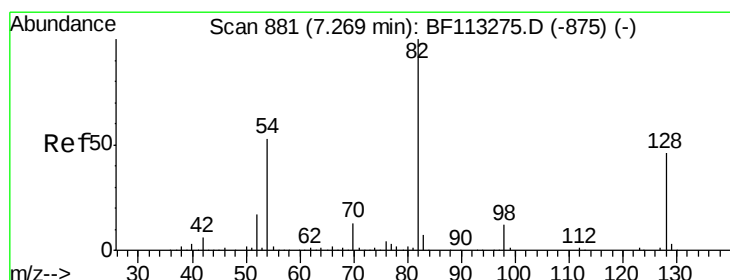
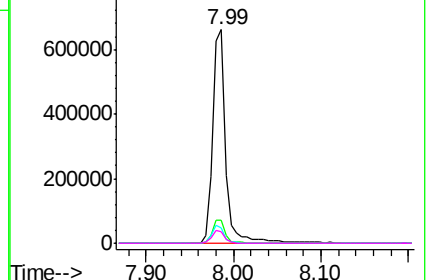
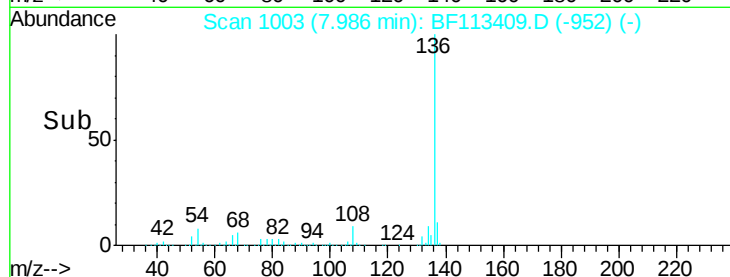


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.881 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.00 min

Lab File: BF113409.D

Acq: 29 Mar 2019 12:18

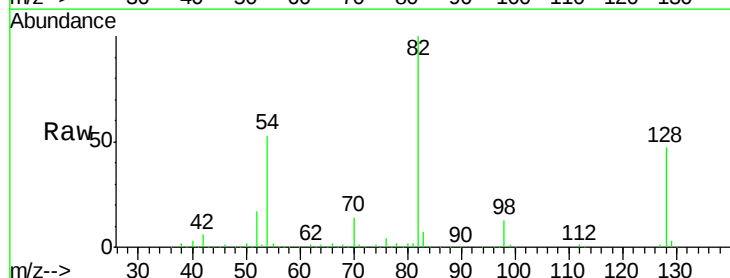
Tgt Ion: 82 Resp: 1068516

Ion Ratio Lower Upper

82 100

128 47.2 36.5 54.7

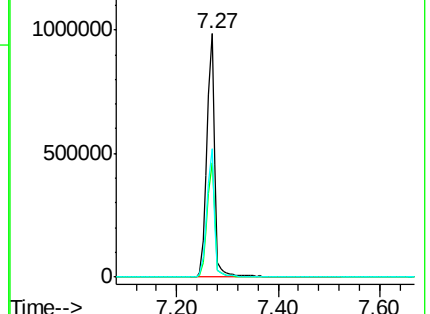
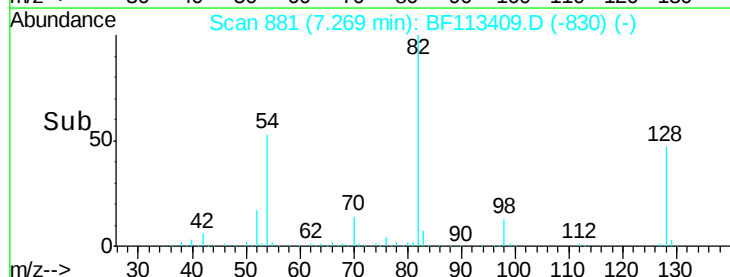
54 52.7 42.2 63.2

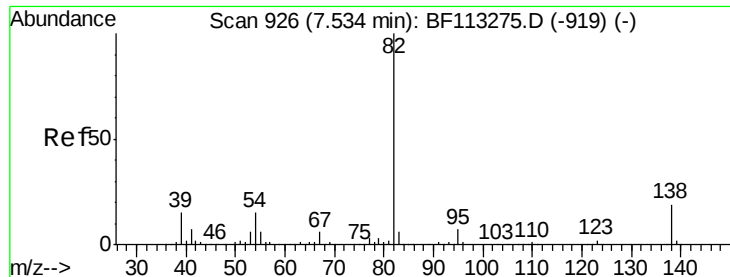


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 46.461 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF113409.D

Acq: 29 Mar 2019 12:18

Instrument :

BNA_F

ClientSampleId :

SSSI-0328-S-DH-5-T

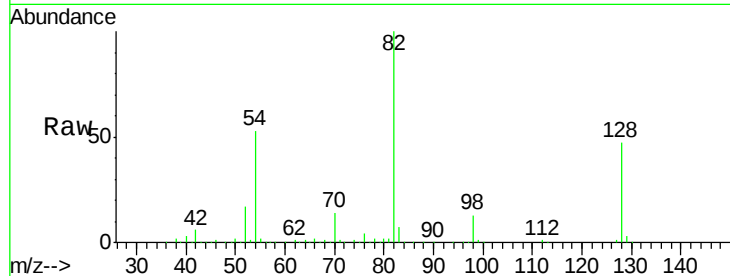
Tgt Ion: 82 Resp: 1047113

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

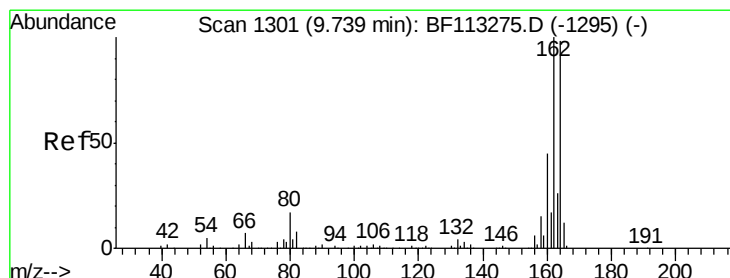
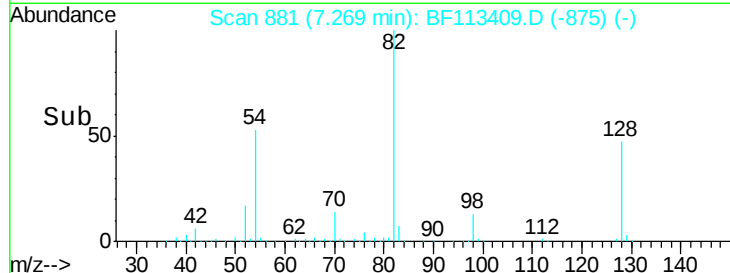
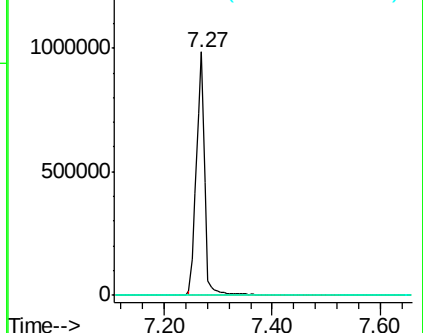
138 0.0 15.2 22.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113409.D

Acq: 29 Mar 2019 12:18

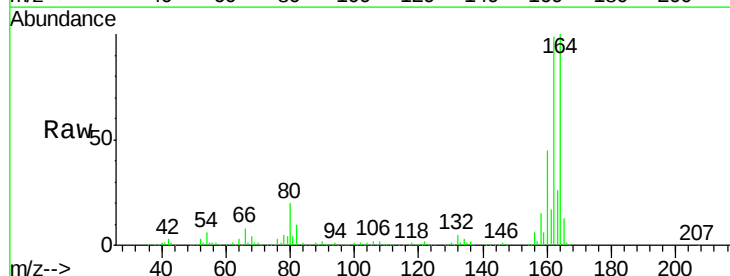
Tgt Ion: 164 Resp: 312721

Ion Ratio Lower Upper

164 100

162 99.3 81.8 122.6

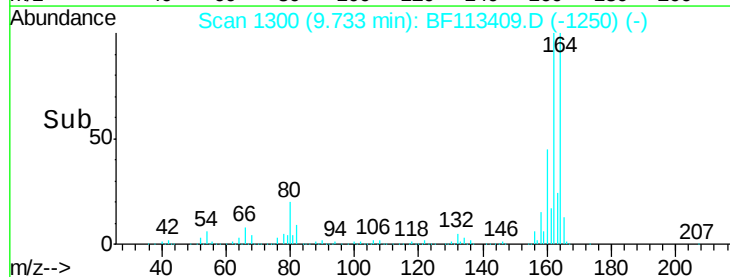
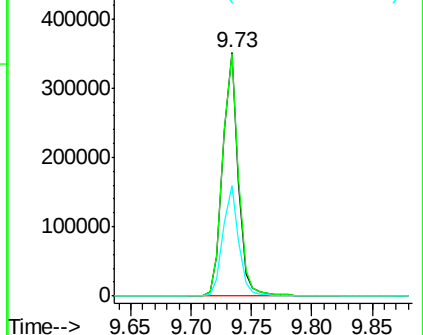
160 45.1 36.4 54.6

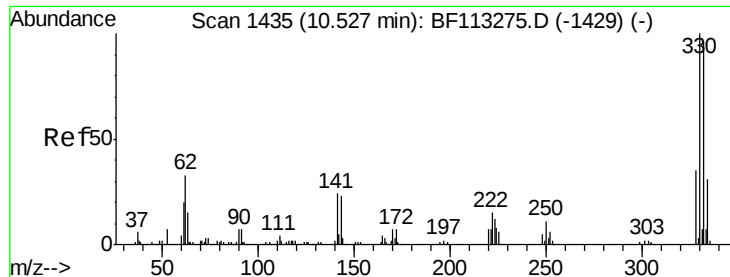


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 102.466 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF113409.D

Acq: 29 Mar 2019 12:18

Instrument :

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ClientSampleId :

SSSI-0328-S-DH-5-T

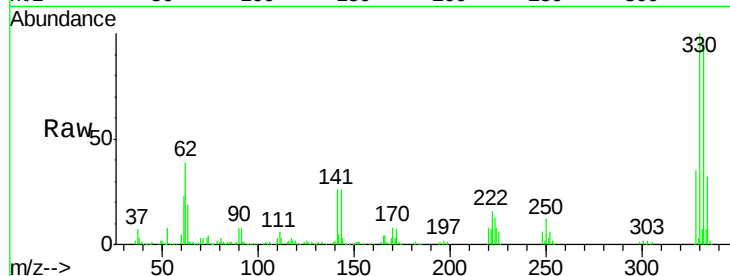
Tgt Ion:330 Resp: 395808

Ion Ratio Lower Upper

330 100

332 96.6 77.8 116.6

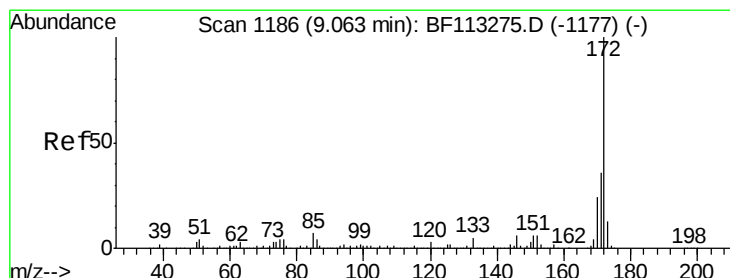
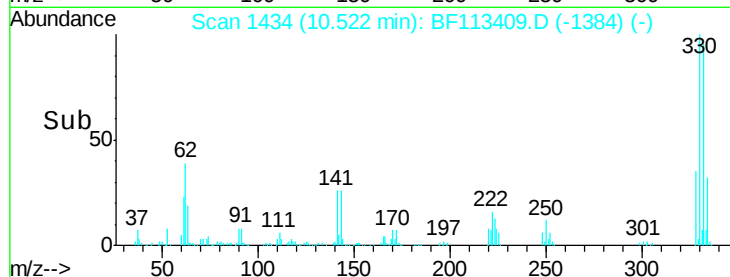
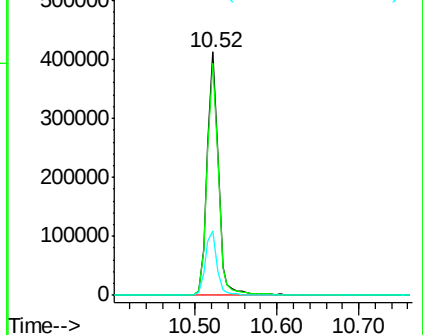
141 27.6 22.7 34.1



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: 87.928 ng

RT: 9.06 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BF113409.D

Acq: 29 Mar 2019 12:18

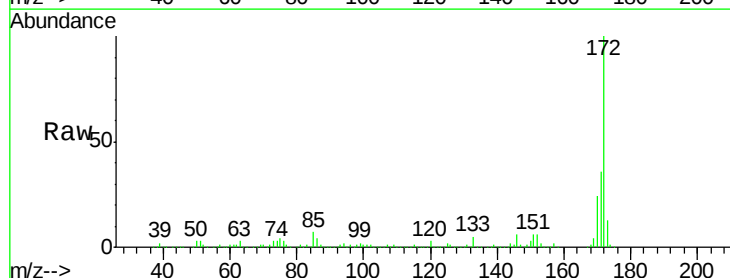
Tgt Ion:172 Resp: 1742230

Ion Ratio Lower Upper

172 100

171 36.2 29.0 43.6

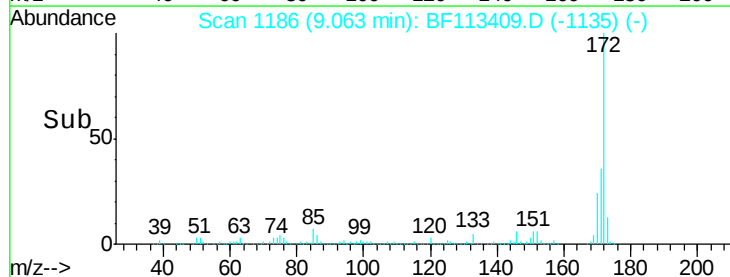
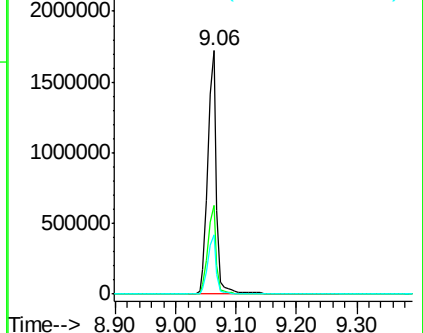
170 24.3 19.5 29.3

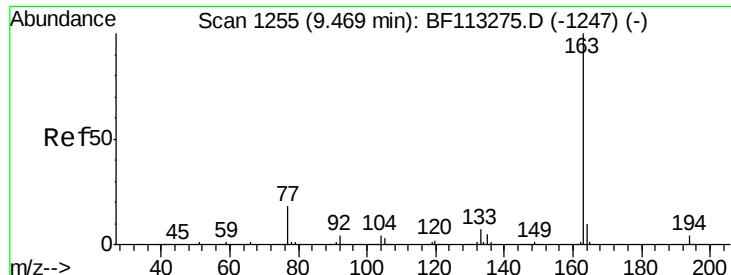


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

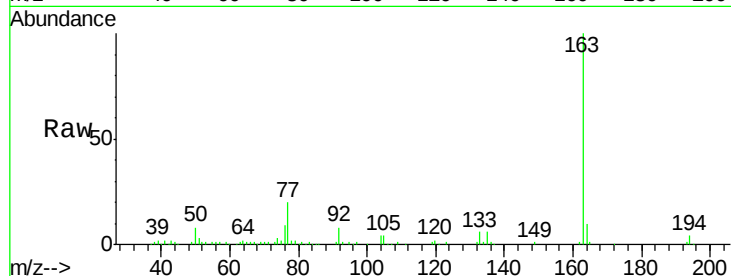




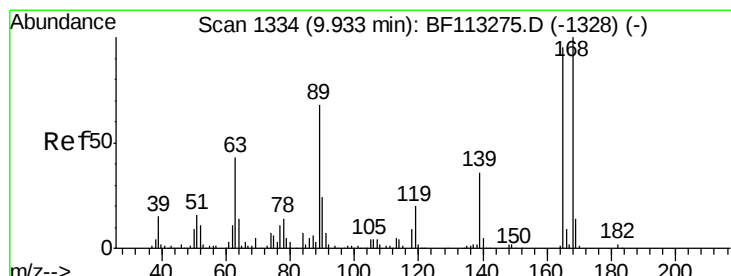
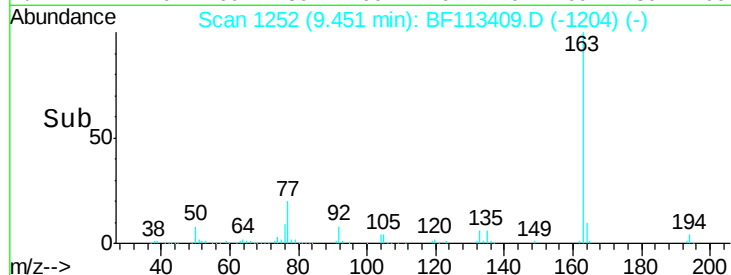
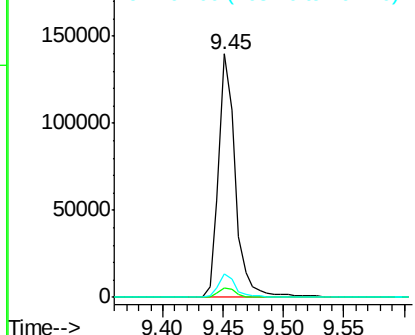
#50
Dimethylphthalate
Concen: 5.799 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF113409.D
Acq: 29 Mar 2019 12:18

Instrument :
BNA_F
ClientSampleId :
SSSI-0328-S-DH-5-T

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	9.6	8.1	12.1



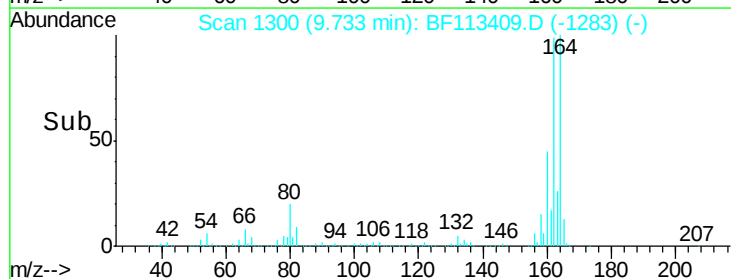
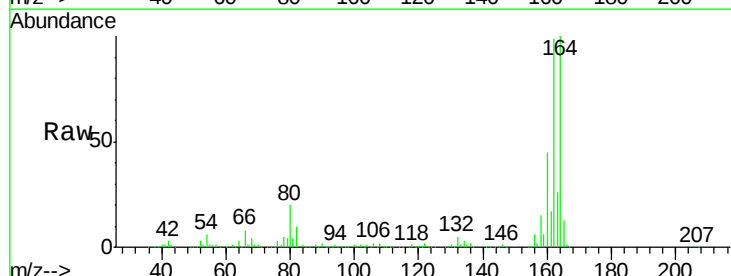
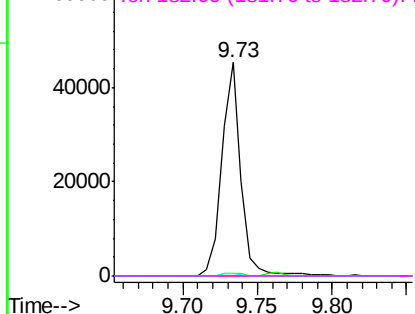
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

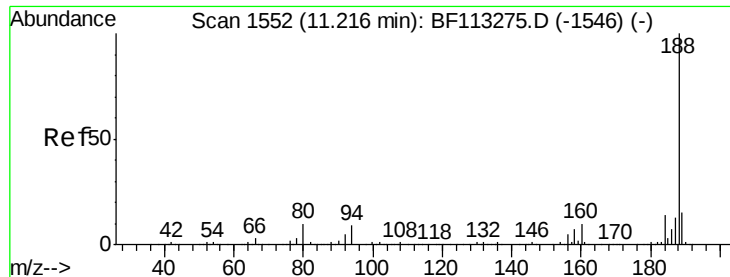


#57
2,4-Dinitrotoluene
Concen: 6.147 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.20 min
Lab File: BF113409.D
Acq: 29 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	37.5	56.3#
89	1.2	57.4	86.2#
182	0.0	2.0	3.0#

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

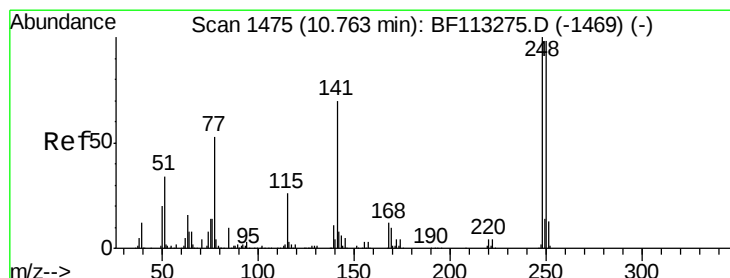
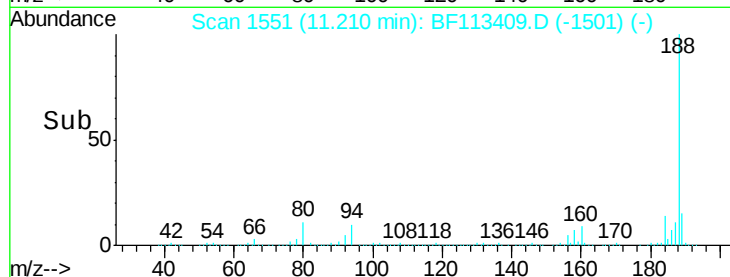
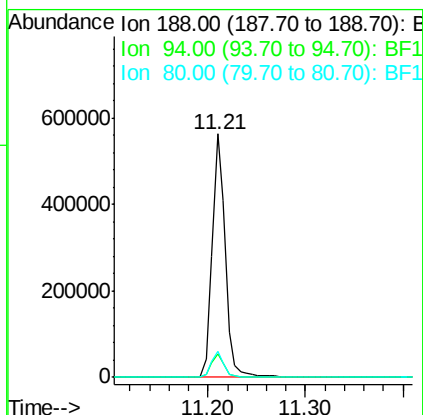
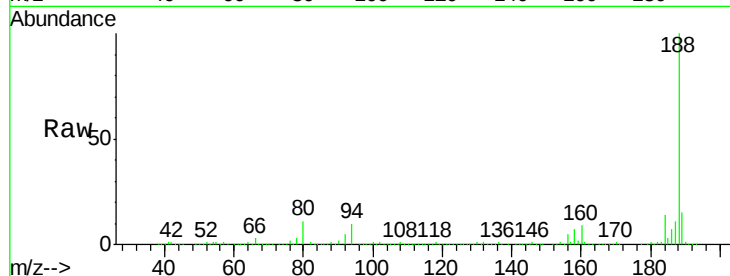




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF113409.D
 Acq: 29 Mar 2019 12:18

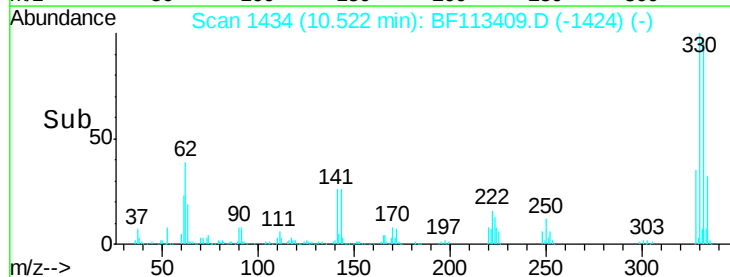
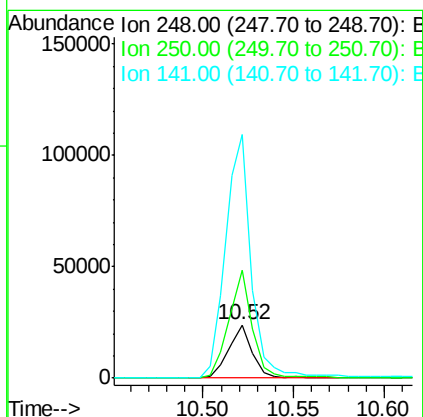
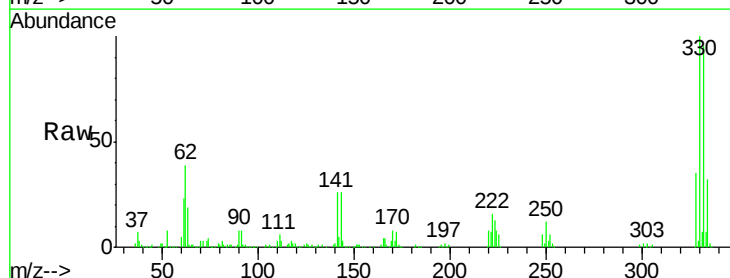
Instrument :
 BNA_F
 ClientSampleId :
 SSSI-0328-S-DH-5-T

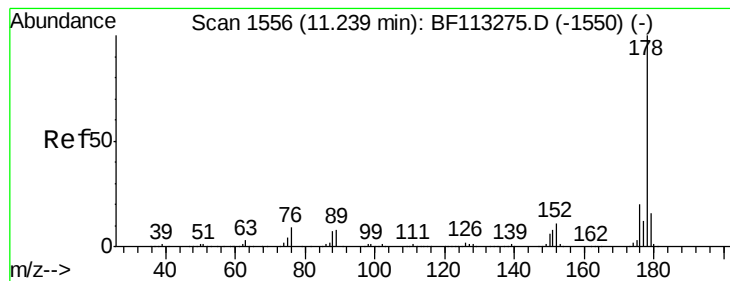
Tgt Ion:188 Resp: 524297
 Ion Ratio Lower Upper
 188 100
 94 9.7 7.0 10.6
 80 10.6 7.7 11.5



#67
 4-Bromophenyl-phenylether
 Concen: 3.850 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.24 min
 Lab File: BF113409.D
 Acq: 29 Mar 2019 12:18

Tgt Ion:248 Resp: 22003
 Ion Ratio Lower Upper
 248 100
 250 203.2 78.3 117.5#
 141 457.0 56.2 84.4#





#71

Phenanthrene

Concen: 3.153 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113409.D

Acq: 29 Mar 2019 12:18

Instrument :

BNA_F

ClientSampleId :

SSSI-0328-S-DH-5-T

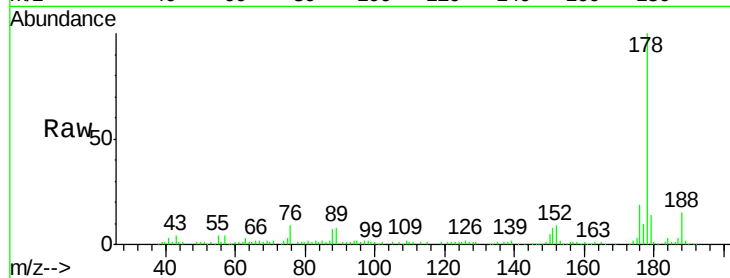
Tgt Ion:178 Resp: 82084

Ion Ratio Lower Upper

178 100

176 18.6 16.2 24.2

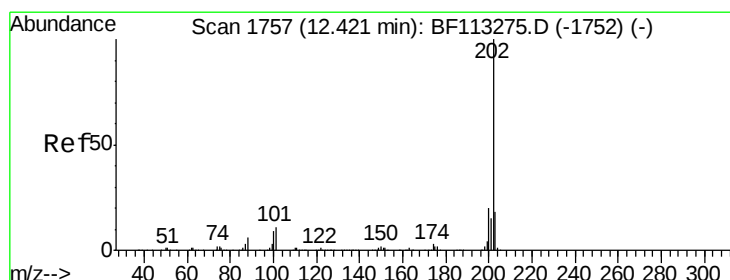
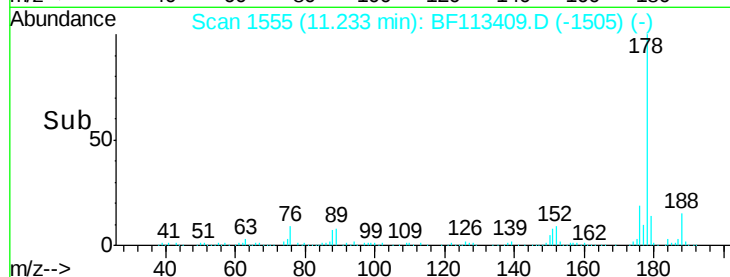
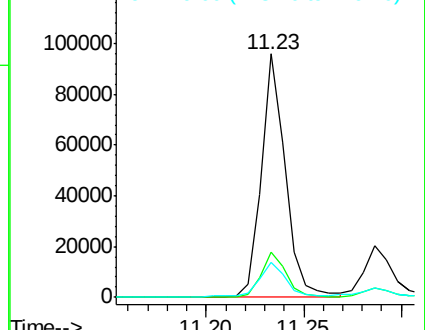
179 14.4 12.7 19.1



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: 4.704 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.00 min

Lab File: BF113409.D

Acq: 29 Mar 2019 12:18

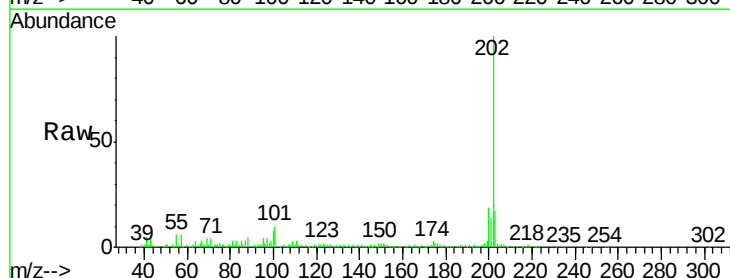
Tgt Ion:202 Resp: 138469

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.4

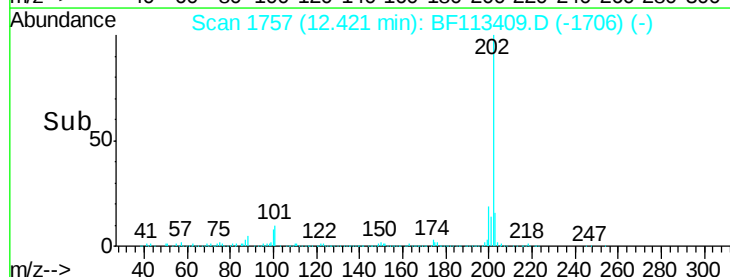
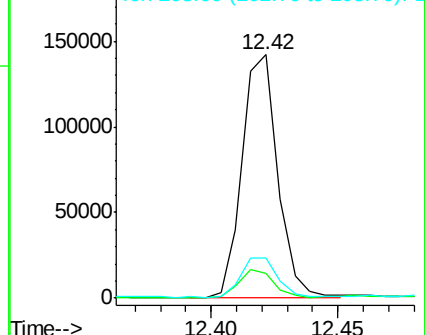
203 16.7 0.0 38.0

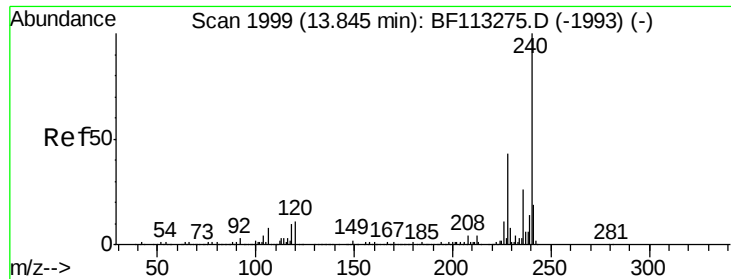


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

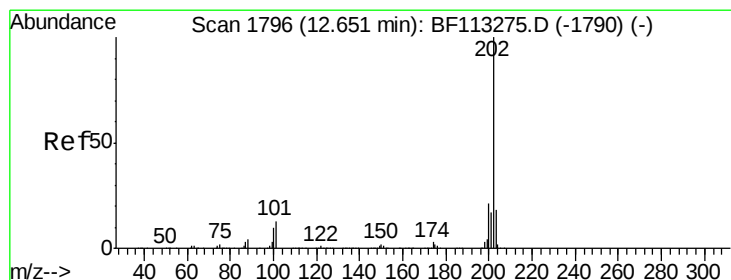
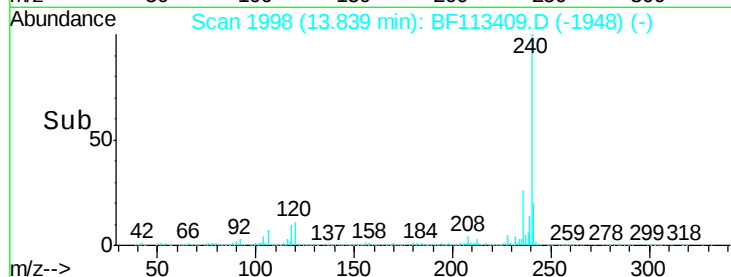
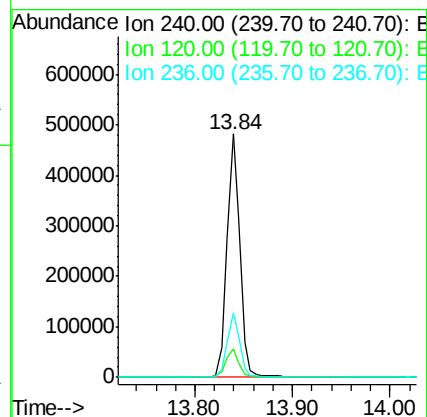
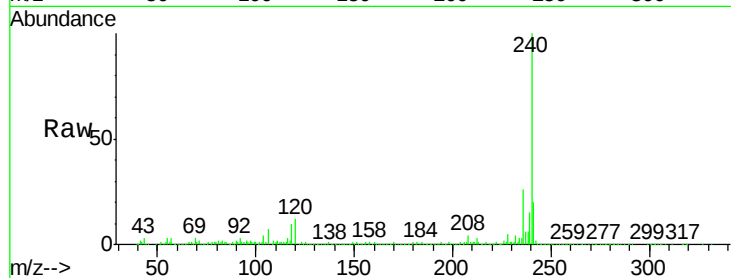




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113409.D
Acq: 29 Mar 2019 12:18

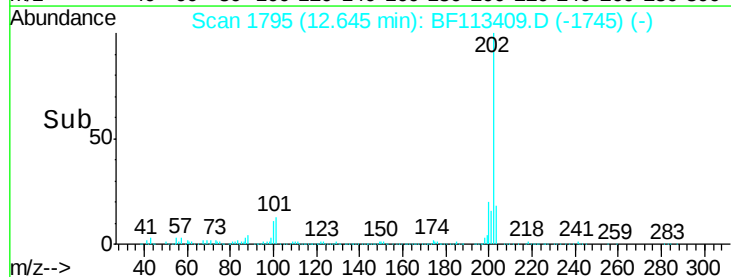
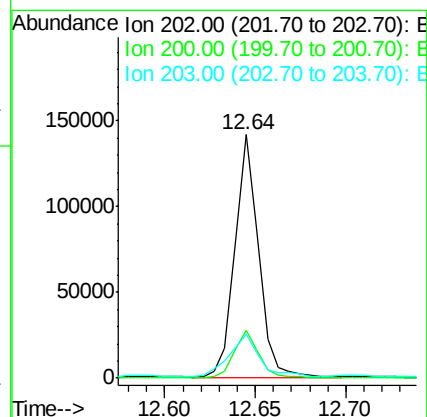
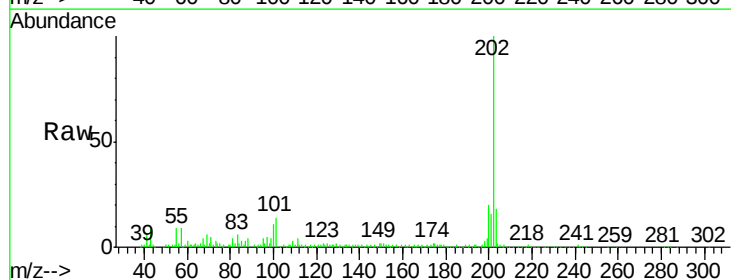
Instrument :
BNA_F
ClientSampleId :
SSSI-0328-S-DH-5-T

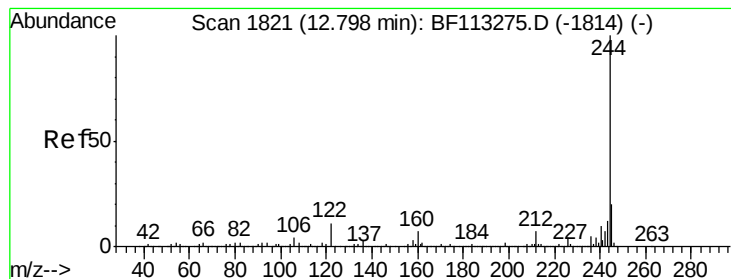
Tgt Ion:240 Resp: 442861
Ion Ratio Lower Upper
240 100
120 11.6 8.8 13.2
236 26.3 20.9 31.3



#78
Pyrene
Concen: 4.228 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF113409.D
Acq: 29 Mar 2019 12:18

Tgt Ion:202 Resp: 129746
Ion Ratio Lower Upper
202 100
200 19.8 16.8 25.2
203 18.3 14.4 21.6





#79

Terphenyl-d14

Concen: 68.576 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF113409.D

Acq: 29 Mar 2019 12:18

Instrument :

BNA_F

ClientSampleId :

SSSI-0328-S-DH-5-T

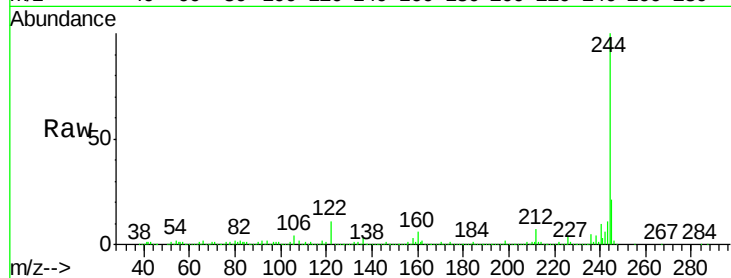
Tgt Ion:244 Resp: 1377824

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

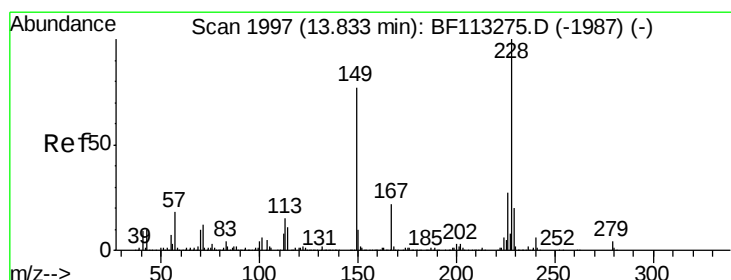
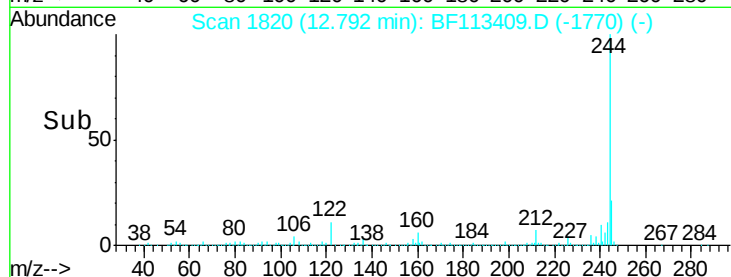
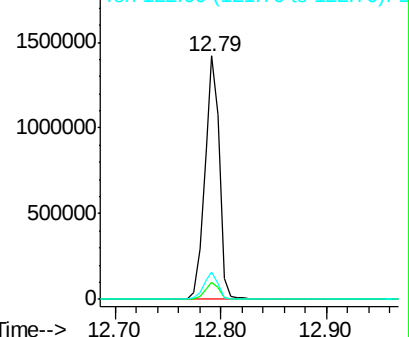
122 11.5 8.6 13.0



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: 2.988 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF113409.D

Acq: 29 Mar 2019 12:18

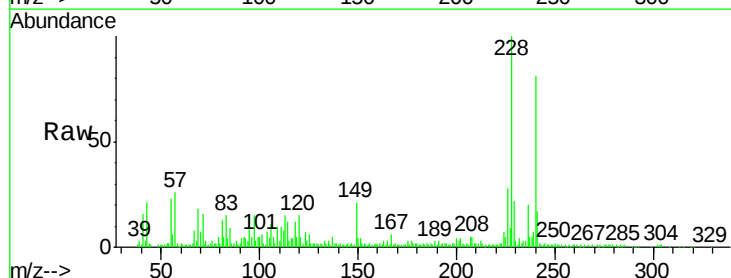
Tgt Ion:228 Resp: 75736

Ion Ratio Lower Upper

228 100

226 27.6 21.8 32.8

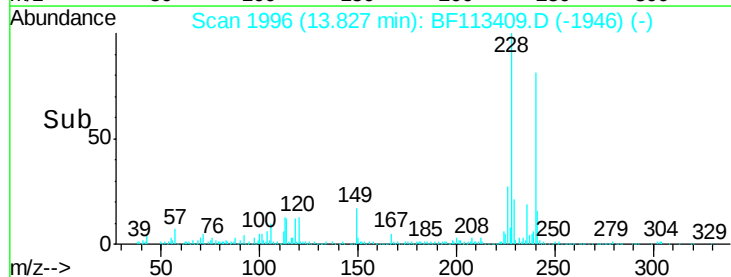
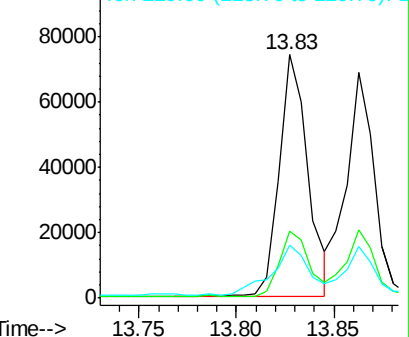
229 21.8 16.2 24.4

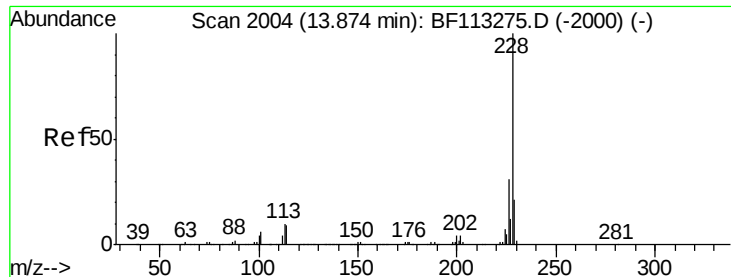


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.682 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113409.D

Acq: 29 Mar 2019 12:18

Instrument :

BNA_F

ClientSampleId :

SSSI-0328-S-DH-5-T

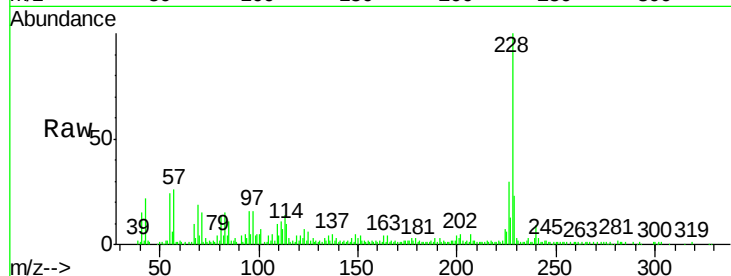
Tgt Ion:228 Resp: 69054

Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

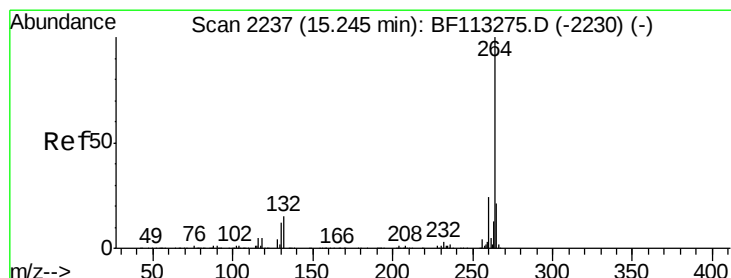
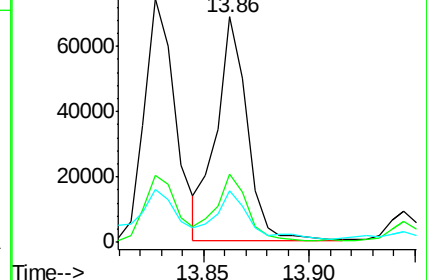
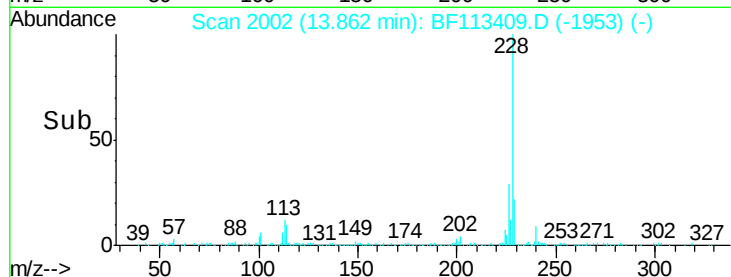
229 23.0 16.3 24.5



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: 15.24 min Scan# 2237

Delta R.T. -0.00 min

Lab File: BF113409.D

Acq: 29 Mar 2019 12:18

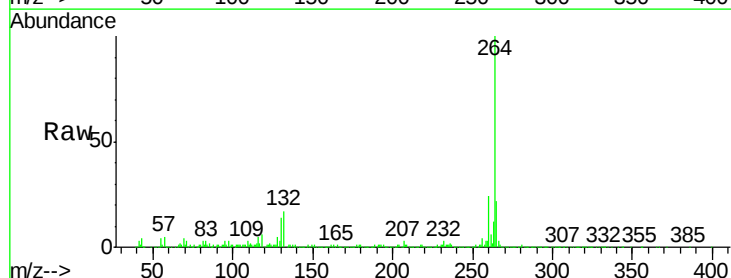
Tgt Ion:264 Resp: 440804

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

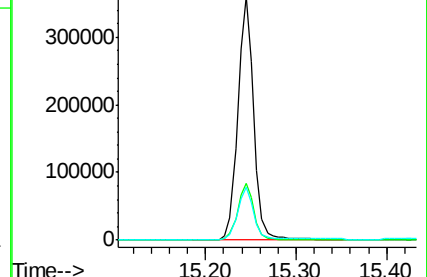
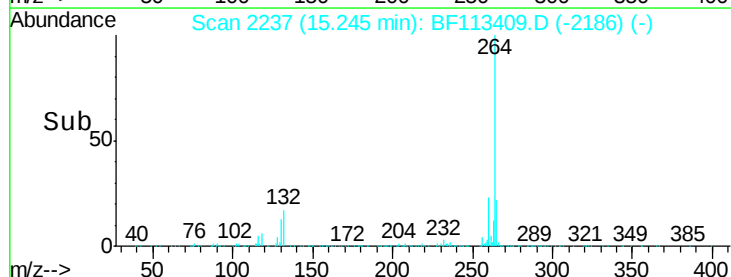
265 21.9 17.1 25.7

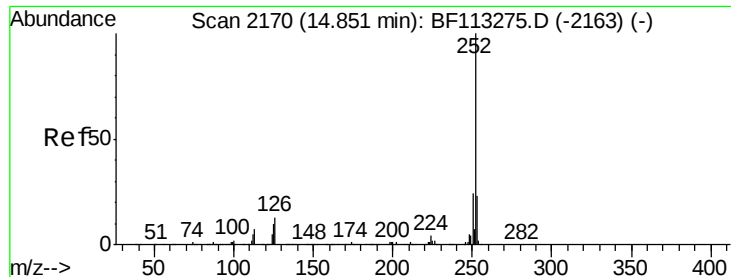


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

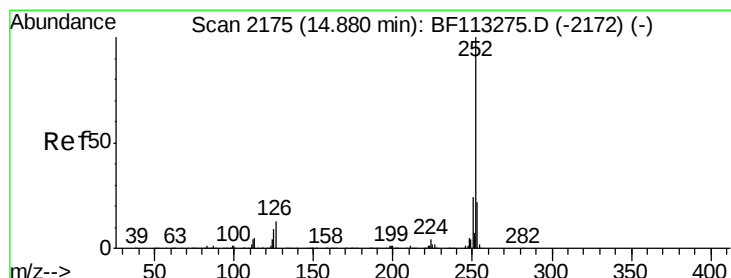
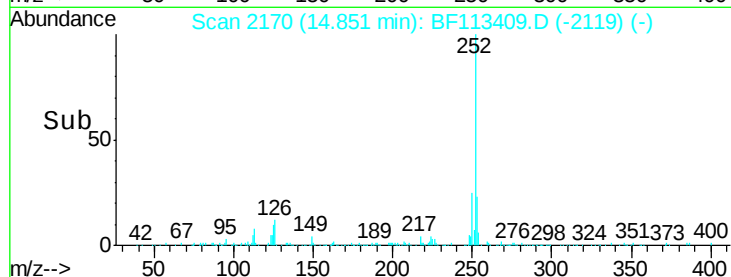
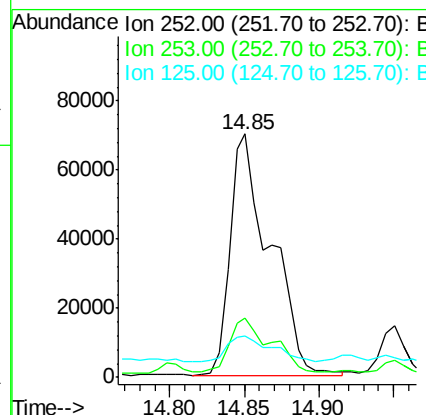
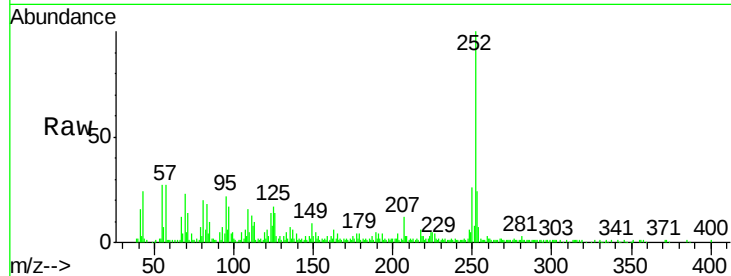




#88
Benzo(b)fluoranthene
Concen: 4.767 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BF113409.D
Acq: 29 Mar 2019 12:18

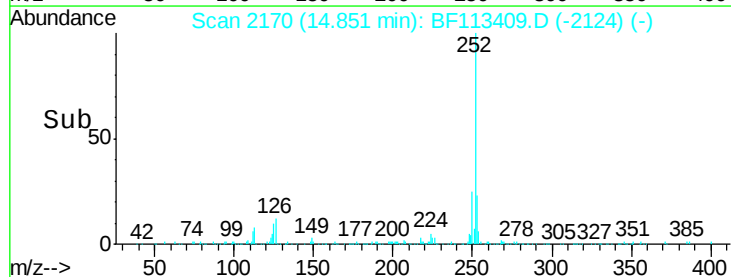
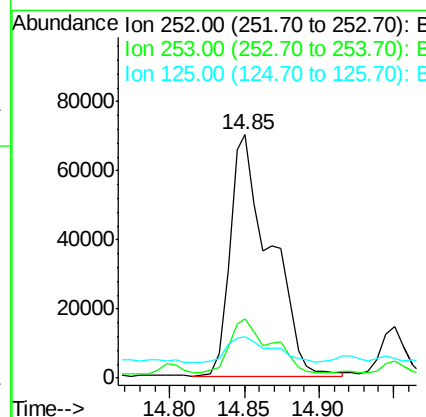
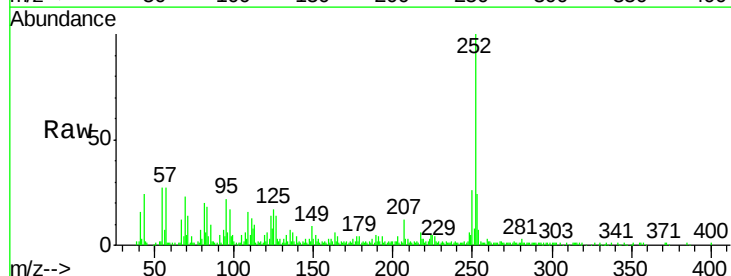
Instrument :
BNA_F
ClientSampleId :
SSSI-0328-S-DH-5-T

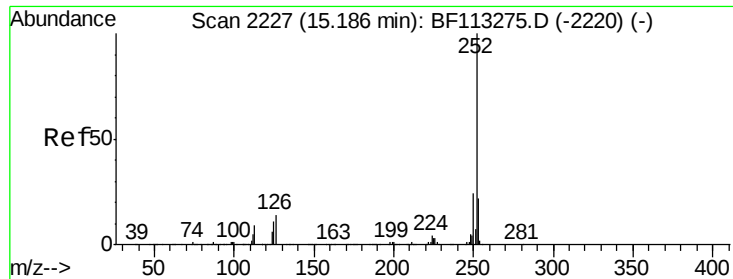
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	17.2	7.6	11.4



#89
Benzo(k)fluoranthene
Concen: 5.428 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF113409.D
Acq: 29 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.7	26.5
125	17.2	7.3	10.9





#90

Benzo(a)pyrene

Concen: 2.799 ng

RT: 15.19 min Scan# 2227

Delta R.T. -0.00 min

Lab File: BF113409.D

Acq: 29 Mar 2019 12:18

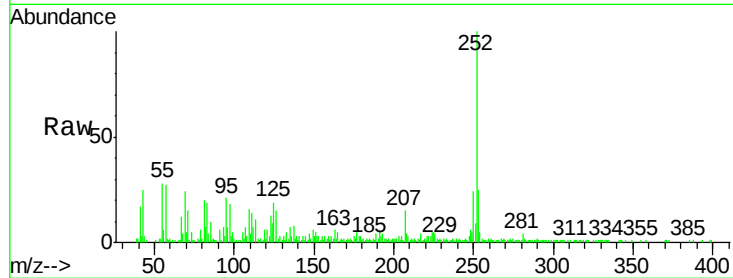
Instrument :

BNA_F

ClientSampleId :

SSSI-0328-S-DH-5-T

Tgt Ion:	252	Resp:	67957
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	18.5	8.8	13.2#



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

