

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
 Data File : BF087469.D
 Acq On : 28 May 2016 6:03
 Operator : UM/SJ
 Sample : H3191-10
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1696(0-4)

Quant Time: May 28 06:36:34 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	105047	20.00	ng	-0.03
21) Naphthalene-d8	9.52	136	427604	20.00	ng	-0.03
38) Acenaphthene-d10	12.34	164	185059	20.00	ng	-0.05
63) Phenanthrene-d10	14.74	188	289028	20.00	ng	-0.03
75) Chrysene-d12	18.47	240	219817	20.00	ng	-0.01
86) Perylene-d12	20.14	264	179354	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	616492	103.12	ng	-0.03
7) Phenol-d6	7.04	99	869048	107.58	ng	-0.03
23) Nitrobenzene-d5	8.40	82	595139	70.14	ng	-0.05
41) 2,4,6-Tribromophenol	13.63	330	151223	85.03	ng	-0.05
44) 2-Fluorobiphenyl	11.29	172	952921	72.59	ng	-0.05
78) Terphenyl-d14	17.11	244	667658	64.57	ng	-0.02

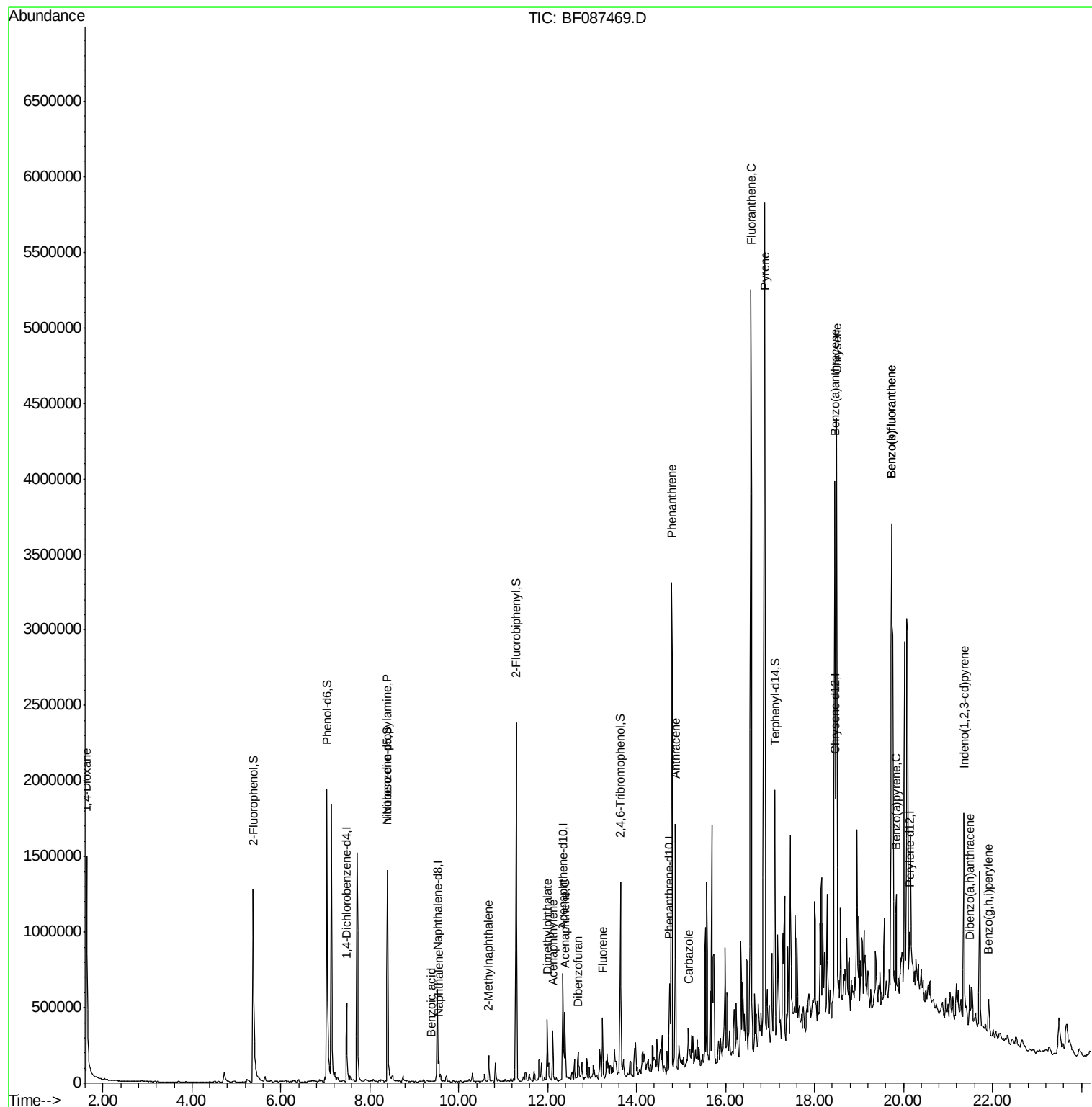
Target Compounds						Qvalue
2) 1,4-Dioxane	1.63	88	47472	15.05	ng	# 22
19) n-Nitroso-di-n-propylamine	8.40	70	82859	13.75	ng	# 76
31) Naphthalene	9.55	128	99019	4.62	ng	99
32) Benzoic acid	9.39	122	720	6.02	ng	# 1
37) 2-Methylnaphthalene	10.67	142	57892	4.32	ng	# 95
48) Acenaphthylene	12.11	152	183725	9.74	ng	98
49) Dimethylphthalate	11.99	163	168526	11.37	ng	99
51) Acenaphthene	12.39	154	121660	10.49	ng	98
54) Dibenzofuran	12.69	168	80650	5.14	ng	98
57) Fluorene	13.23	166	117240	8.61	ng	96
70) Phenanthrene	14.79	178	2267900	141.66	ng	99
71) Anthracene	14.87	178	763440	47.20	ng	99
72) Carbazole	15.17	167	153332	11.12	ng	99
74) Fluoranthene	16.57	202	4414929	275.00	ng	97
77) Pyrene	16.88	202	4028152	254.58	ng	# 92
80) Benzo(a)anthracene	18.46	228	2196581	175.68	ng	97
82) Chrysene	18.50	228	1679147	135.31	ng	96
85) Indeno(1,2,3-cd)pyrene	21.36	276	831357	83.57	ng	# 89
87) Benzo(b)fluoranthene	19.74	252	3025415	264.81	ng	97
88) Benzo(k)fluoranthene	19.74	252	3025415	307.66	ng	98
89) Benzo(a)pyrene	19.84	252	355348	35.96	ng	94
90) Dibenzo(a,h)anthracene	21.49	278	185656	22.03	ng	95
91) Benzo(g,h,i)perylene	21.91	276	150099	18.05	ng	91

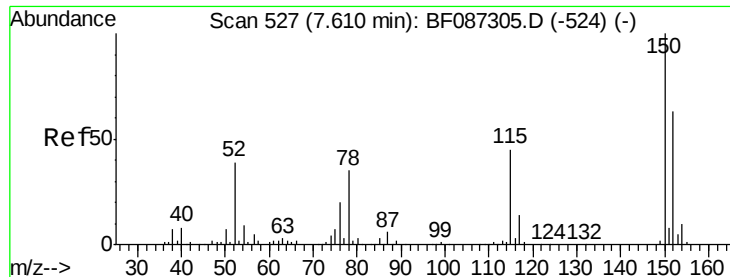
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
Data File : BF087469.D
Acq On : 28 May 2016 6:03
Operator : UM/SJ
Sample : H3191-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

Quant Time: May 28 06:36:34 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.48 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1696(0-4)

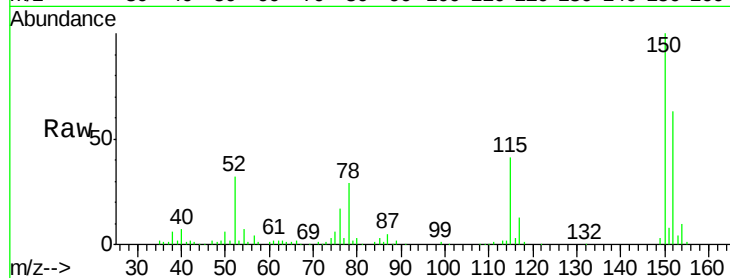
Tgt Ion: 152 Resp: 105047

Ion Ratio Lower Upper

152 100

150 159.5 125.8 188.6

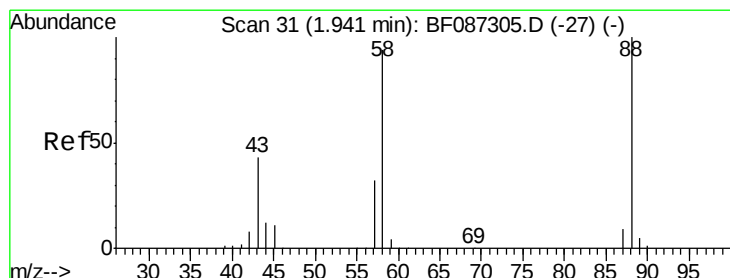
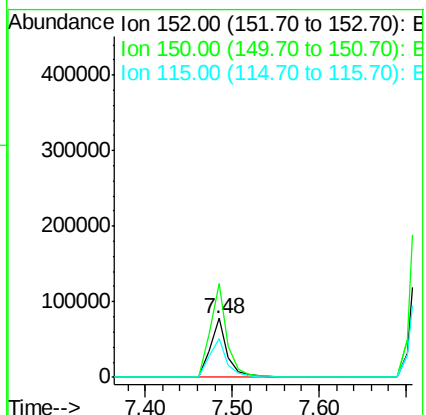
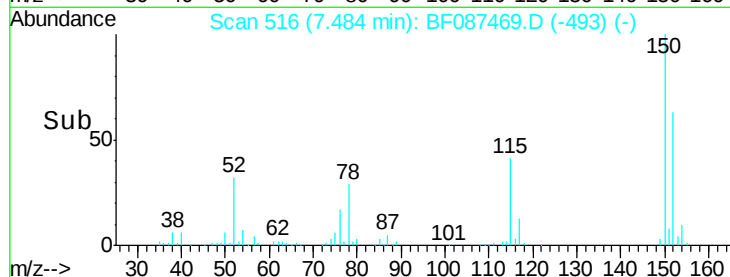
115 66.2 51.5 77.3



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



#2

1,4-Dioxane

Concen: 15.05 ng

RT: 1.63 min Scan# 4

Delta R.T. -0.18 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

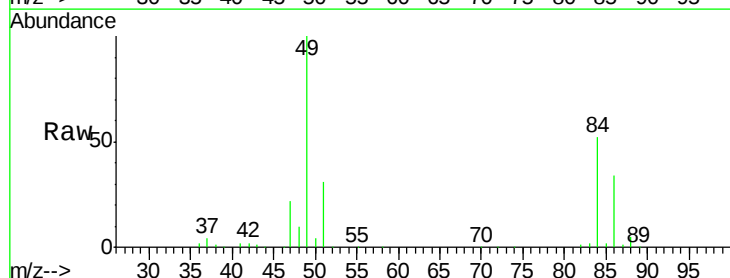
Tgt Ion: 88 Resp: 47472

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

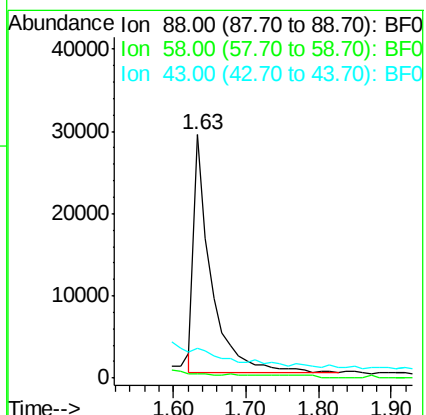
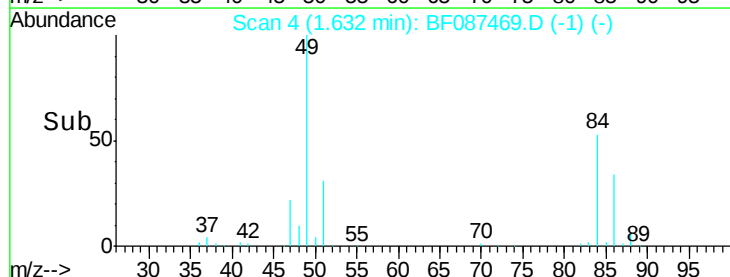
43 0.0 21.8 32.6#



Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 103.12 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.03 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1696(0-4)

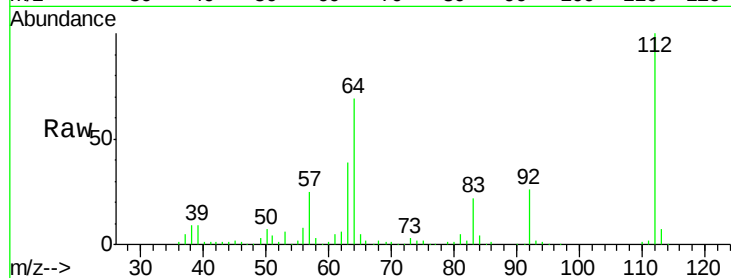
Tgt Ion: 112 Resp: 616492

Ion Ratio Lower Upper

112 100

64 68.8 52.1 78.1

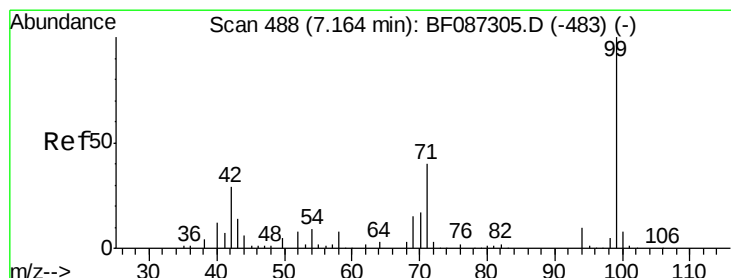
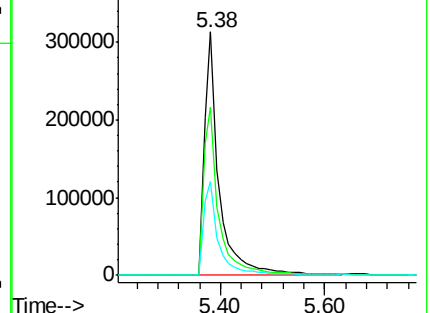
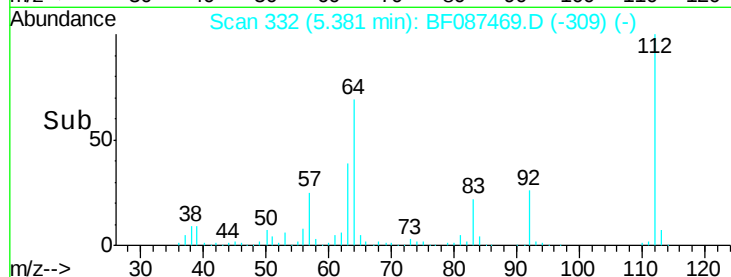
63 38.5 25.7 38.5#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 107.58 ng

RT: 7.04 min Scan# 477

Delta R.T. -0.03 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

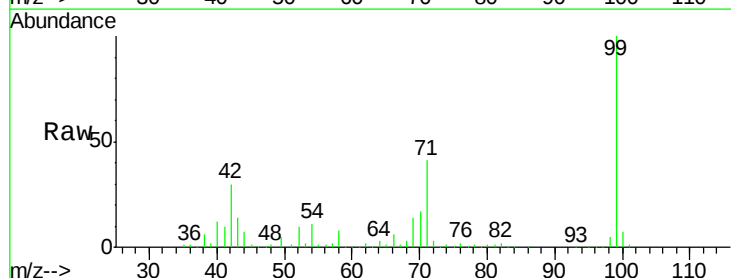
Tgt Ion: 99 Resp: 869048

Ion Ratio Lower Upper

99 100

42 30.0 13.6 20.4#

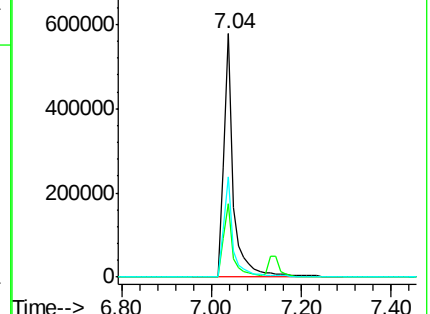
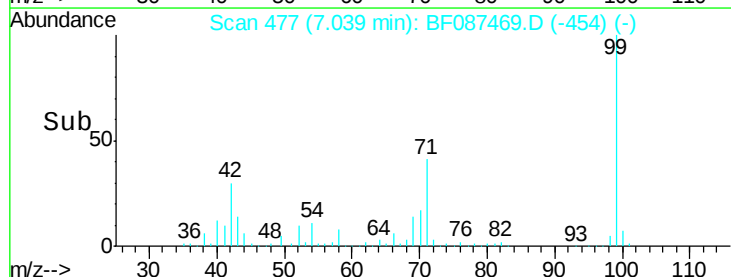
71 40.9 24.6 36.8#

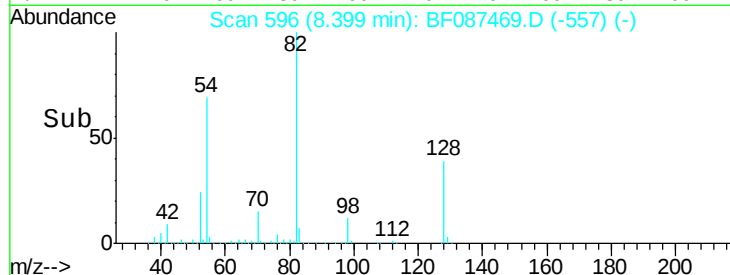
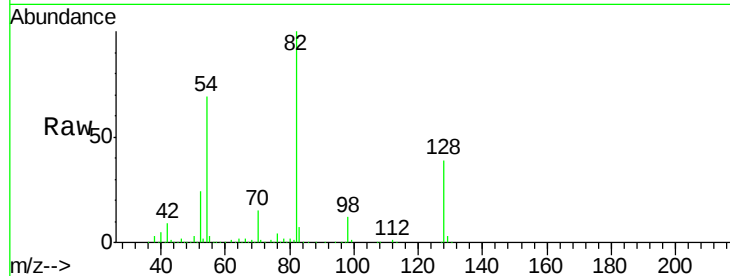
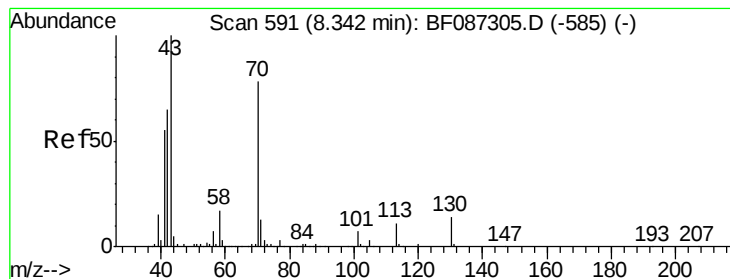


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 13.75 ng

RT: 8.40 min Scan# 596

Delta R.T. 0.15 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1696(0-4)

Tgt Ion: 70 Resp: 82859

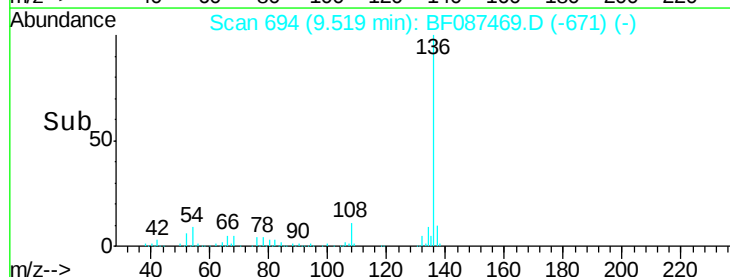
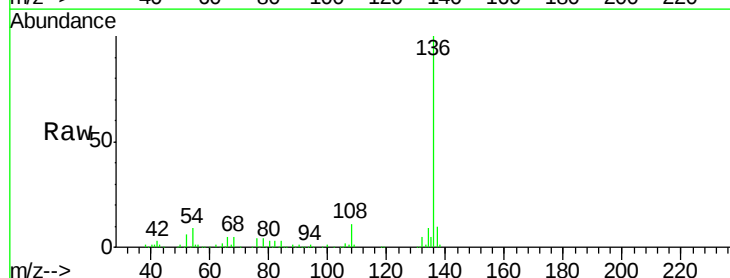
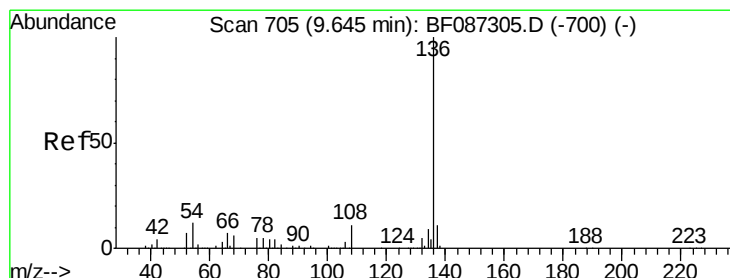
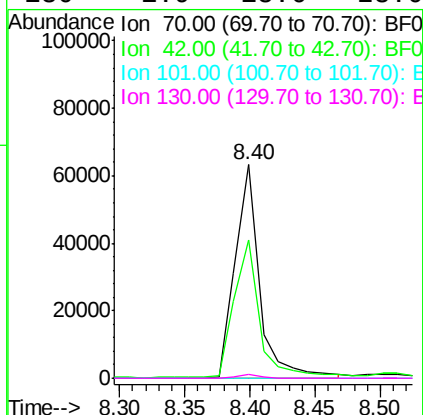
Ion Ratio Lower Upper

70 100

42 64.6 43.1 64.7

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.52 min Scan# 694

Delta R.T. -0.03 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

Tgt Ion: 136 Resp: 427604

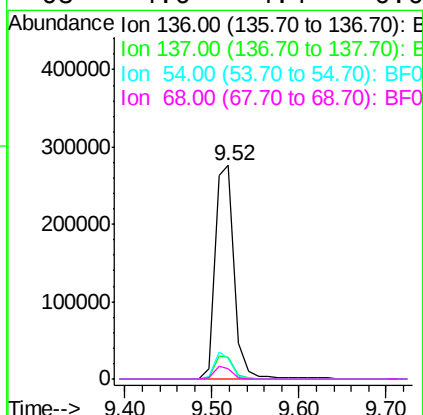
Ion Ratio Lower Upper

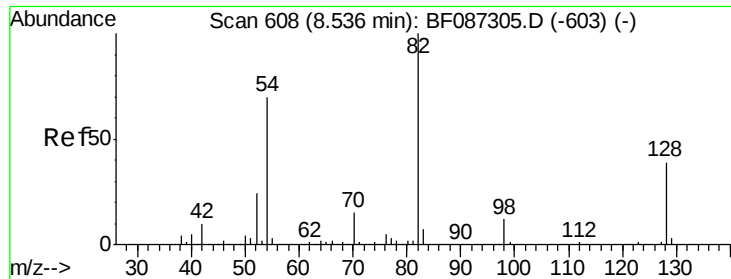
136 100

137 10.3 8.8 13.2

54 9.3 5.0 7.4#

68 4.6 4.4 6.6

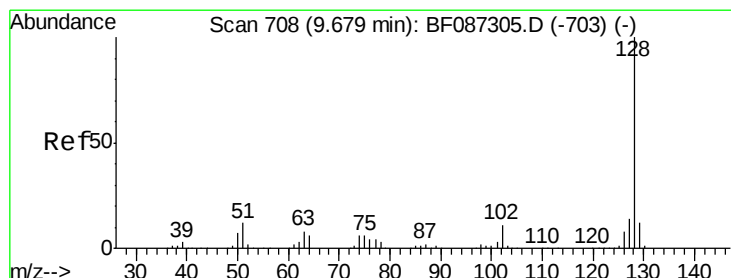
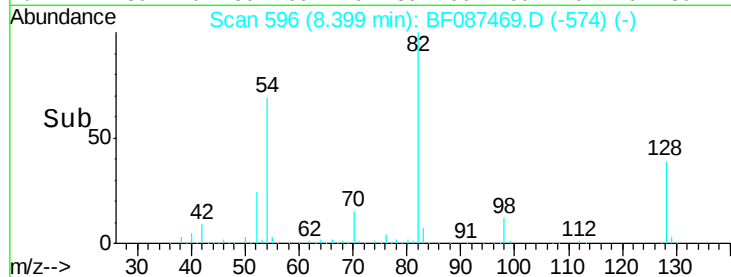
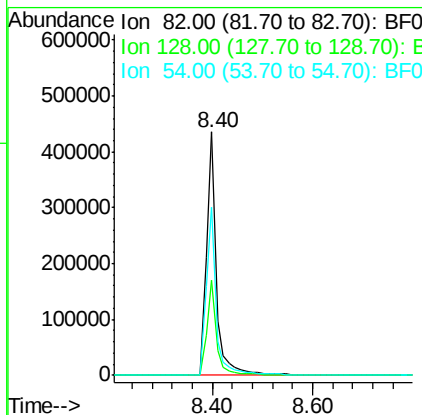
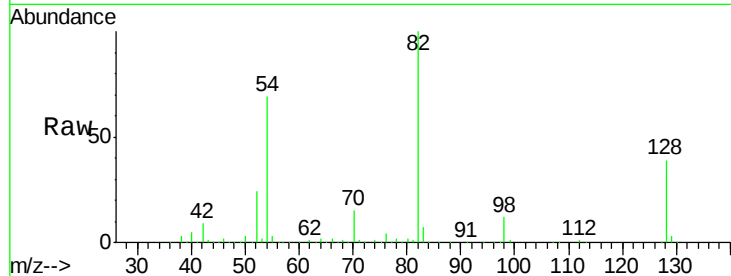




#23
 Nitrobenzene-d5
 Concen: 70.14 ng
 RT: 8.40 min Scan# 596
 Delta R.T. -0.05 min
 Lab File: BF087469.D
 Acq: 28 May 2016 6:03

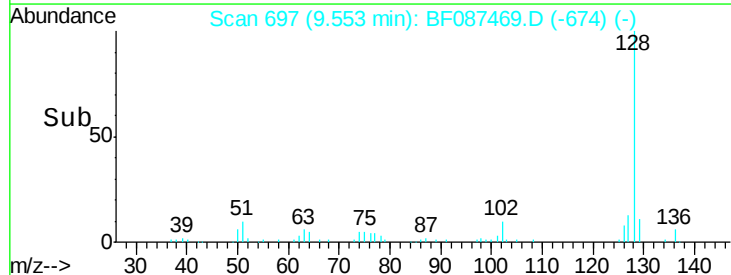
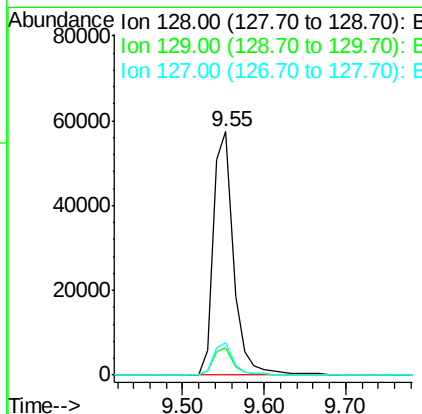
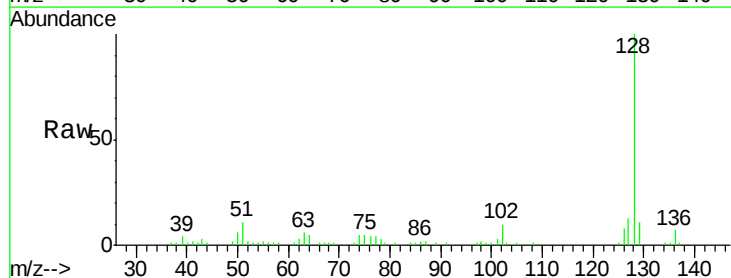
Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1696(0-4)

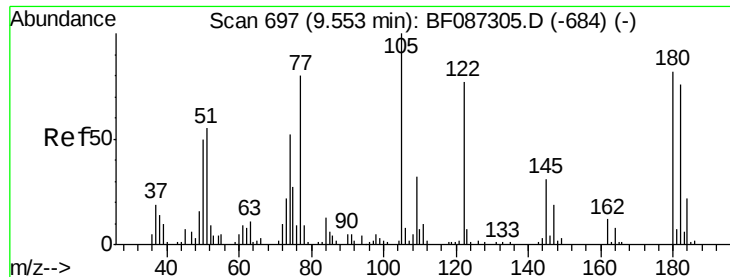
Tgt Ion: 82 Resp: 595139
 Ion Ratio Lower Upper
 82 100
 128 39.3 40.6 61.0#
 54 69.2 38.1 57.1#



#31
 Naphthalene
 Concen: 4.62 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.03 min
 Lab File: BF087469.D
 Acq: 28 May 2016 6:03

Tgt Ion: 128 Resp: 99019
 Ion Ratio Lower Upper
 128 100
 129 11.2 8.6 13.0
 127 13.1 10.8 16.2

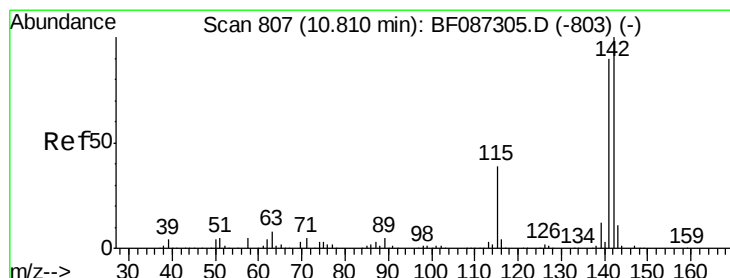
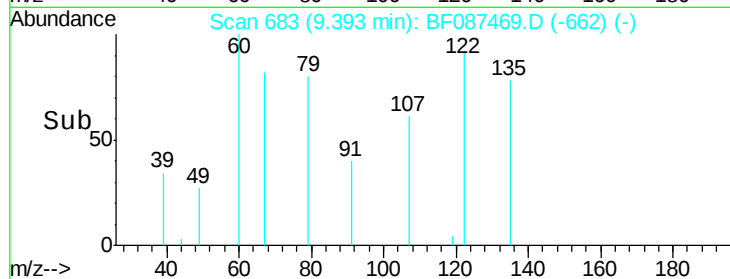
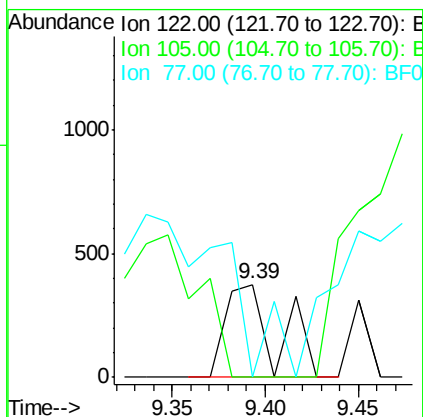
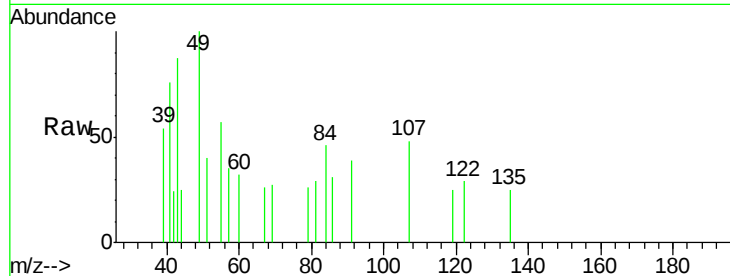




#32
Benzoic acid
Concen: 6.02 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.06 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

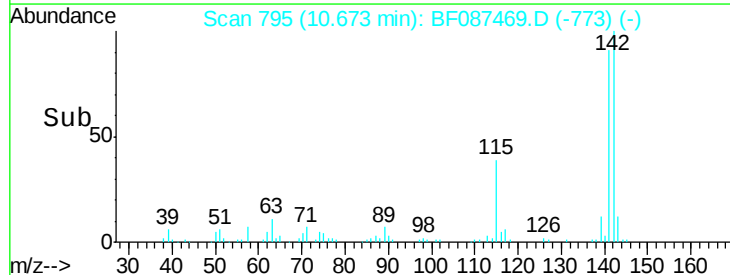
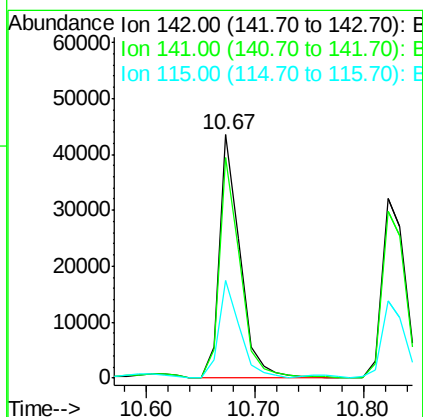
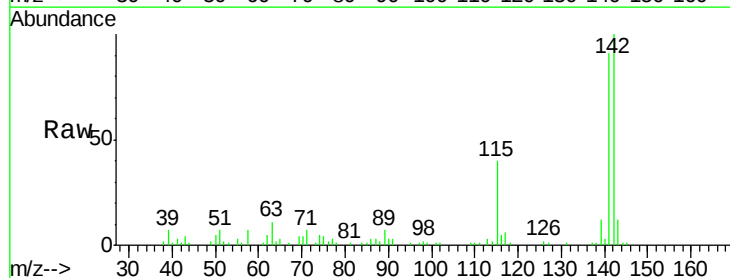
Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

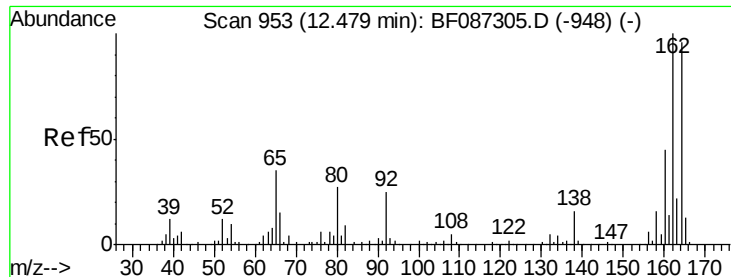
Tgt Ion:122 Resp: 720
Ion Ratio Lower Upper
122 100
105 0.0 92.6 132.6#
77 0.0 60.0 100.0#



#37
2-Methylnaphthalene
Concen: 4.32 ng
RT: 10.67 min Scan# 795
Delta R.T. -0.05 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:142 Resp: 57892
Ion Ratio Lower Upper
142 100
141 90.7 71.0 106.6
115 40.1 26.6 39.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.34 min Scan# 941

Delta R.T. -0.05 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1696(0-4)

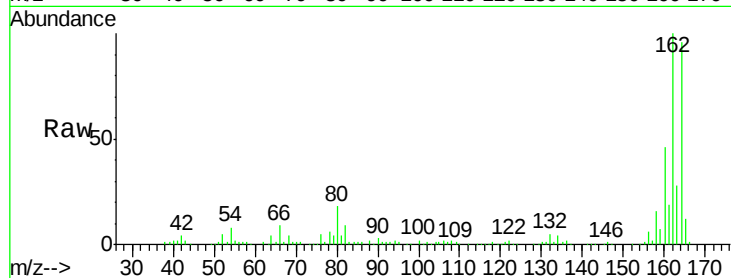
Tgt Ion:164 Resp: 185059

Ion Ratio Lower Upper

164 100

162 103.7 82.8 124.2

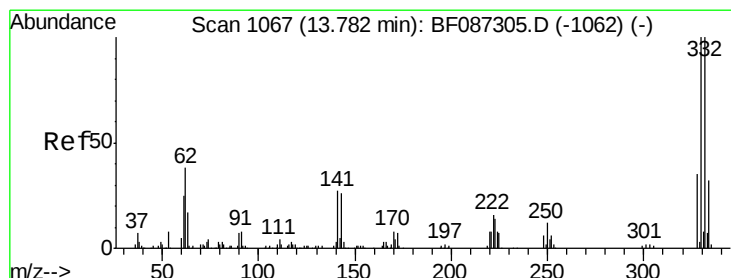
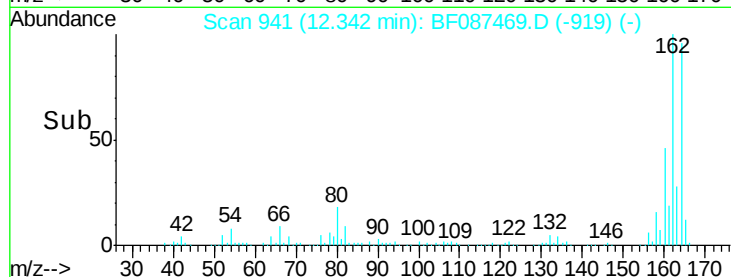
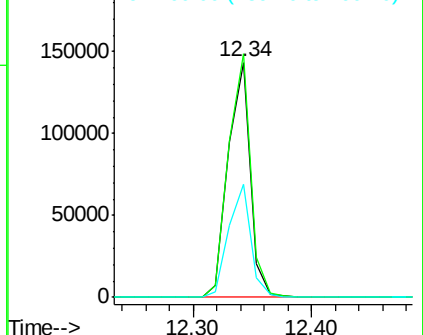
160 48.0 36.9 55.3



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



#41

2,4,6-Tribromophenol

Concen: 85.03 ng

RT: 13.63 min Scan# 1054

Delta R.T. -0.05 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

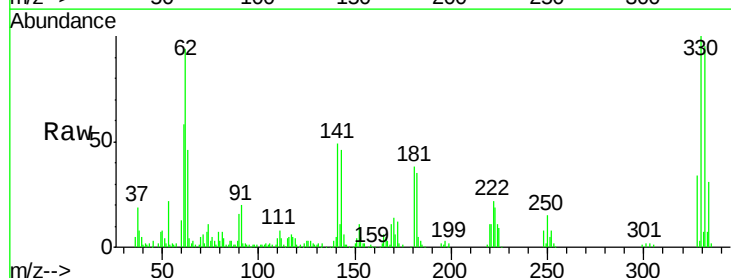
Tgt Ion:330 Resp: 151223

Ion Ratio Lower Upper

330 100

332 96.5 79.0 118.4

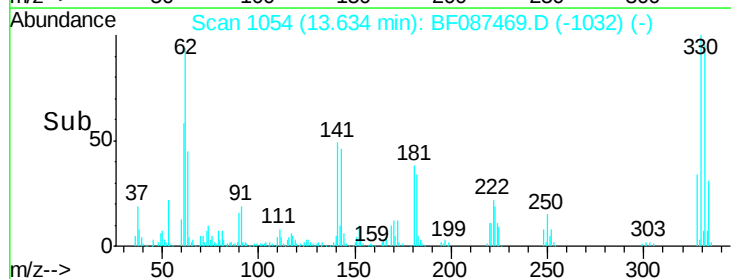
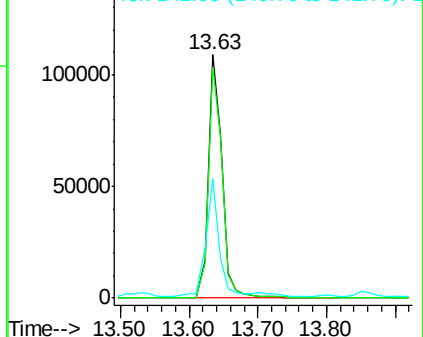
141 46.9 31.2 46.8#

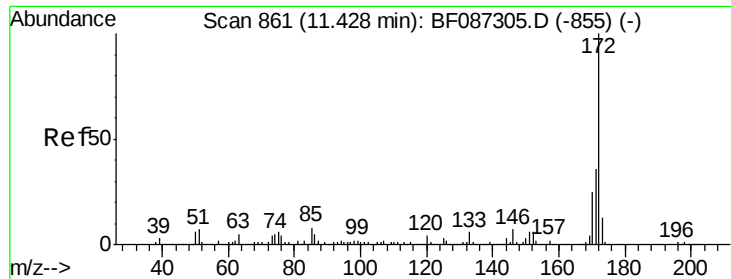


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

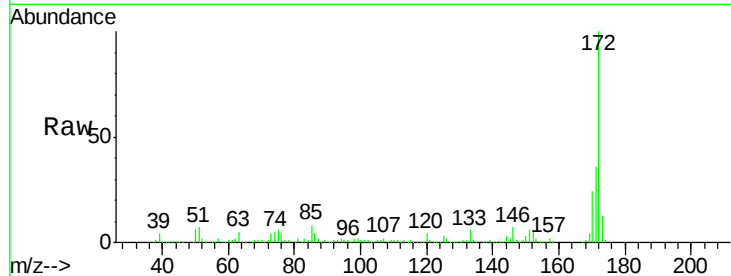




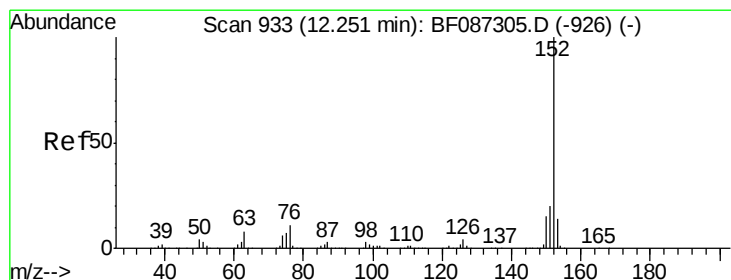
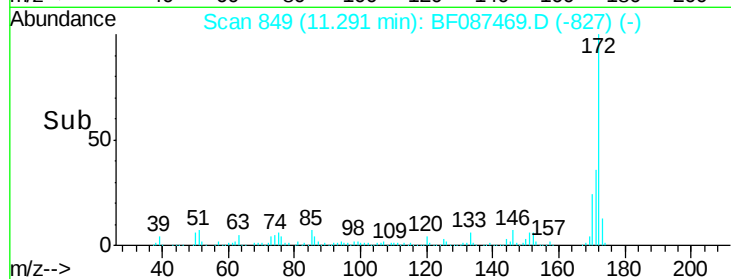
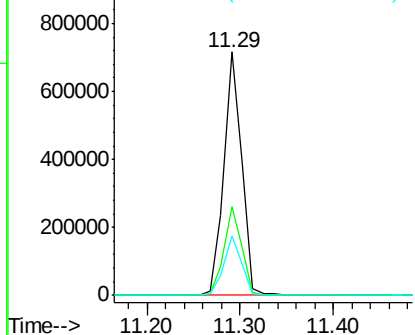
#44
2-Fluorobiphenyl
Concen: 72.59 ng
RT: 11.29 min Scan# 849
Delta R.T. -0.05 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

Tgt Ion:172 Resp: 952921
Ion Ratio Lower Upper
172 100
171 36.2 29.0 43.6
170 24.2 19.8 29.8

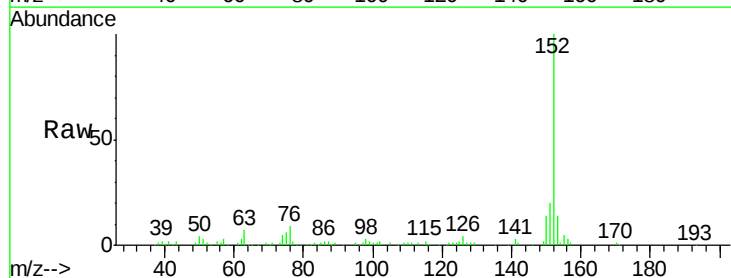


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

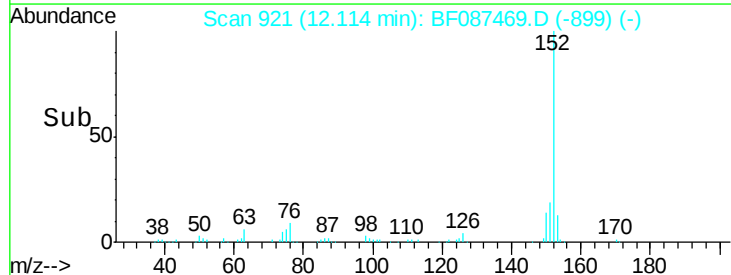
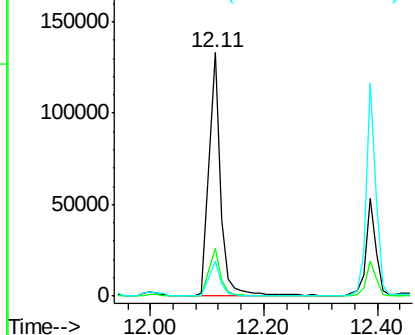


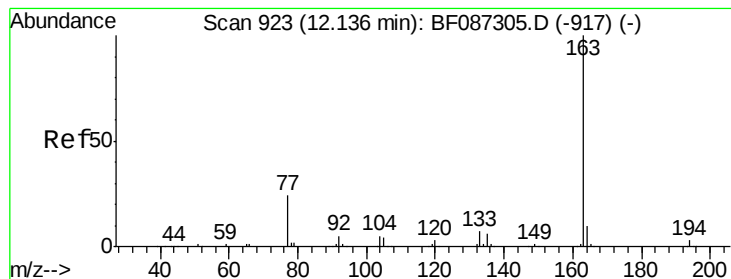
#48
Acenaphthylene
Concen: 9.74 ng
RT: 12.11 min Scan# 921
Delta R.T. -0.05 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:152 Resp: 183725
Ion Ratio Lower Upper
152 100
151 19.7 16.8 25.2
153 14.3 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 11.37 ng

RT: 11.99 min Scan# 910

Delta R.T. -0.06 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1696(0-4)

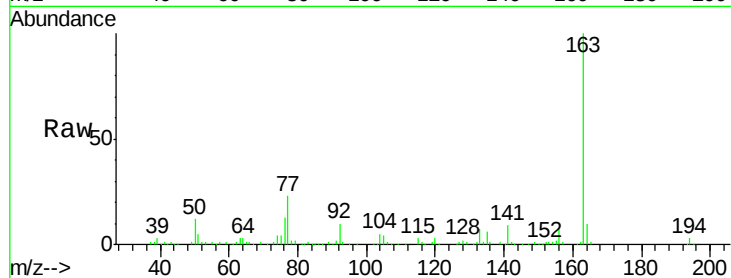
Tgt Ion:163 Resp: 168526

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

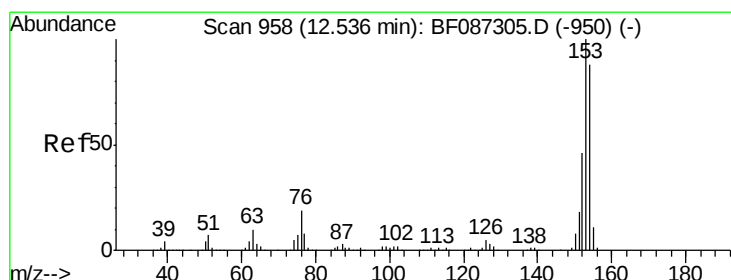
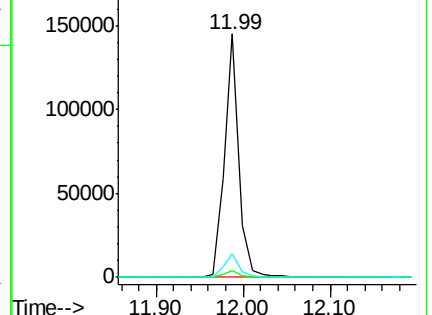
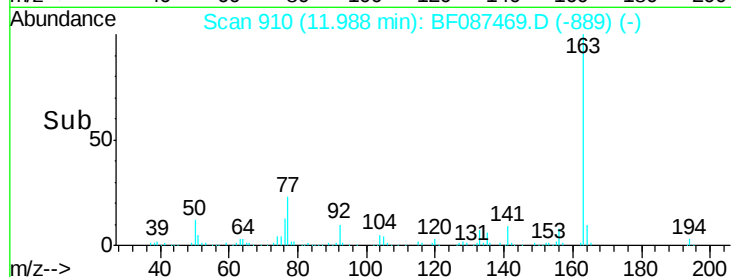
164 9.9 8.2 12.4



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



#51

Acenaphthene

Concen: 10.49 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.05 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

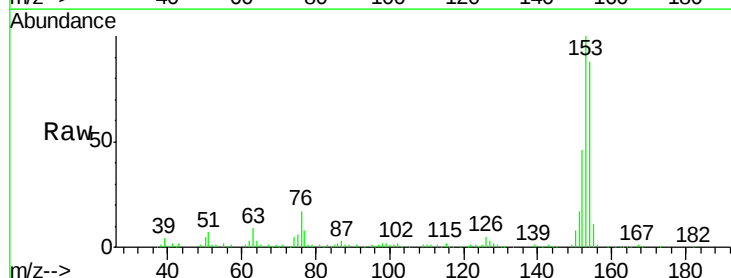
Tgt Ion:154 Resp: 121660

Ion Ratio Lower Upper

154 100

153 114.2 89.8 134.6

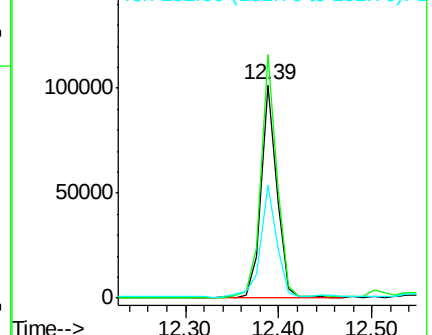
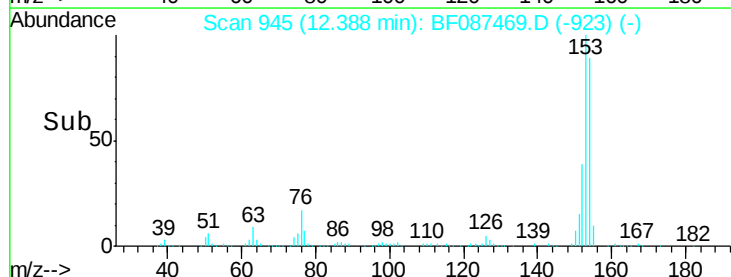
152 52.8 43.4 65.0

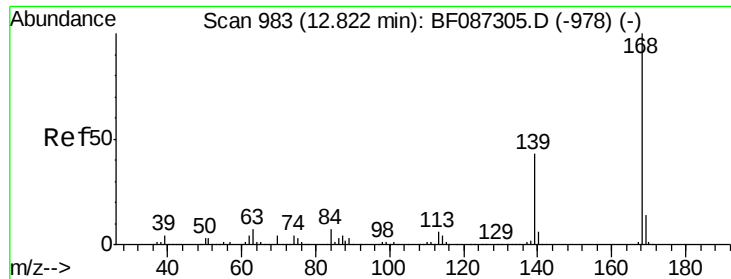


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

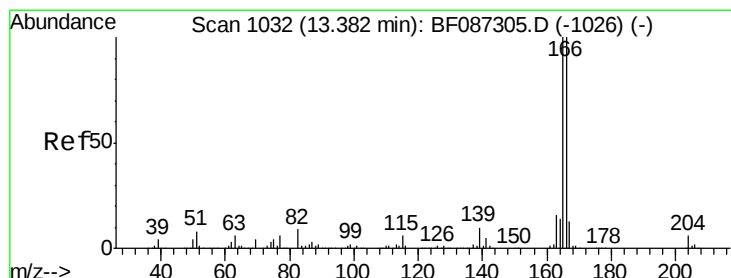
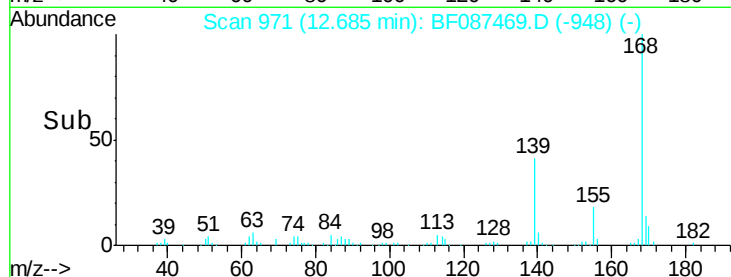
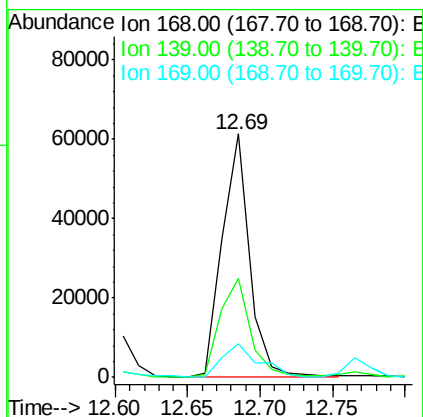
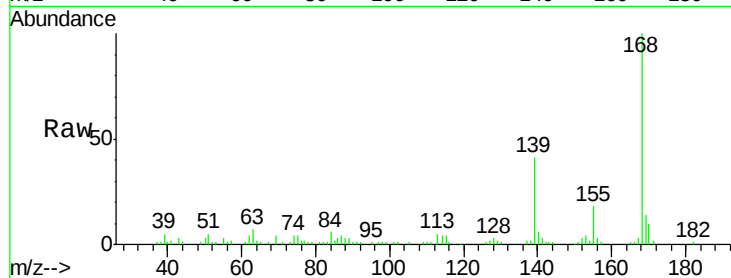




#54
Dibenzenofuran
Concen: 5.14 ng
RT: 12.69 min Scan# 971
Delta R.T. -0.03 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

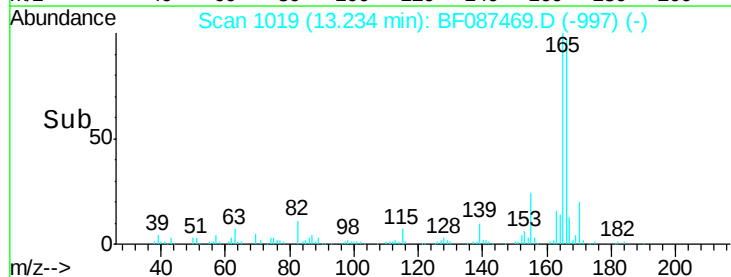
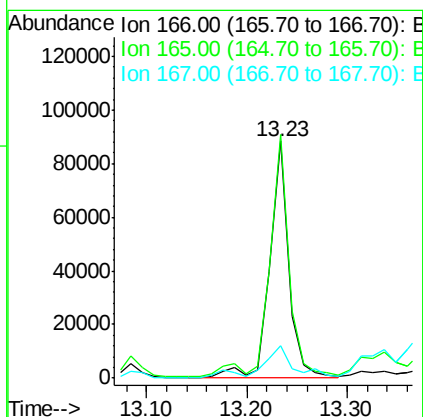
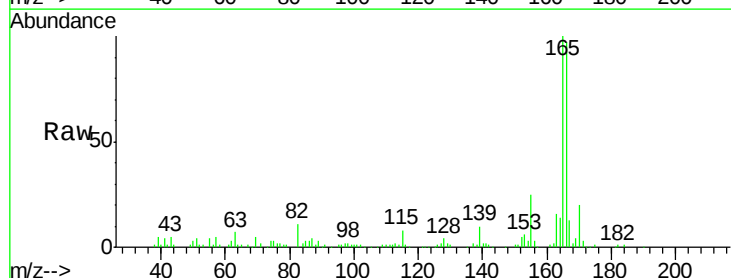
Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

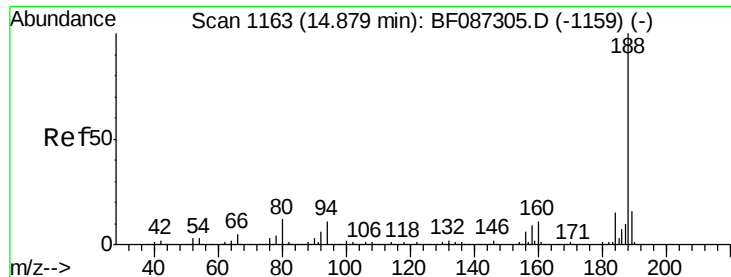
Tgt Ion:168 Resp: 80650
Ion Ratio Lower Upper
168 100
139 40.6 31.4 47.0
169 13.9 10.7 16.1



#57
Fluorene
Concen: 8.61 ng
RT: 13.23 min Scan# 1019
Delta R.T. -0.05 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:166 Resp: 117240
Ion Ratio Lower Upper
166 100
165 102.8 79.0 118.6
167 13.5 10.6 15.8

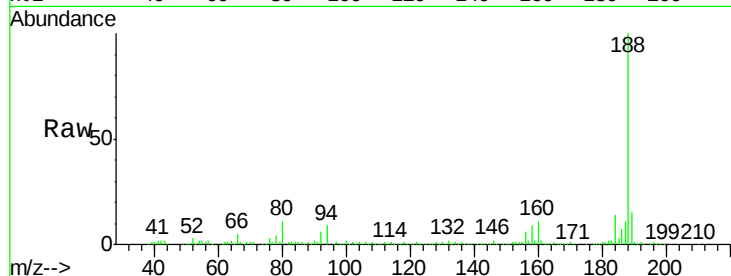




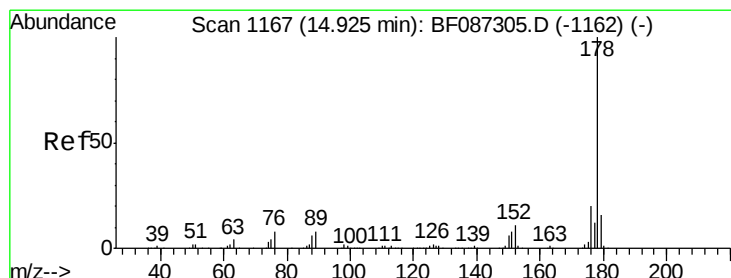
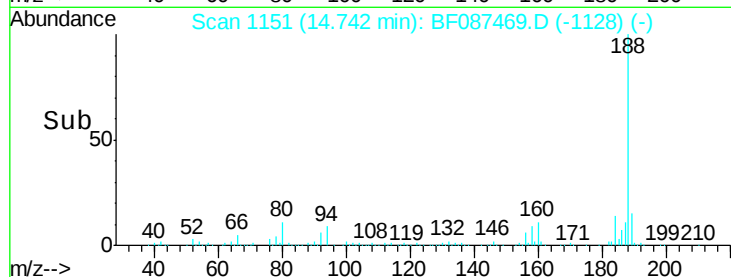
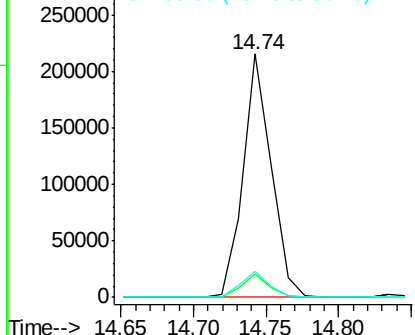
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

Tgt Ion:188 Resp: 289028
Ion Ratio Lower Upper
188 100
94 9.4 6.8 10.2
80 10.8 7.1 10.7#

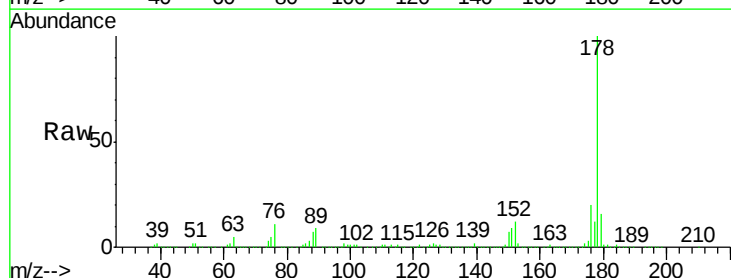


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

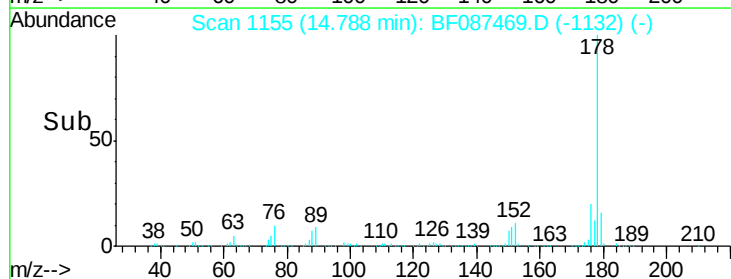
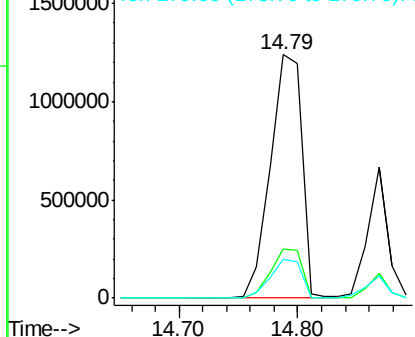


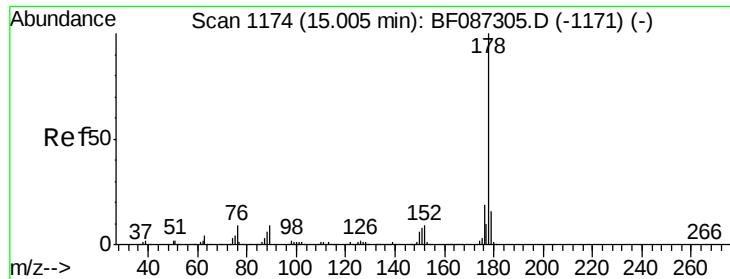
#70
Phenanthrene
Concen: 141.66 ng
RT: 14.79 min Scan# 1155
Delta R.T. -0.03 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:178 Resp: 2267900
Ion Ratio Lower Upper
178 100
176 20.3 16.0 24.0
179 16.1 12.6 18.8



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

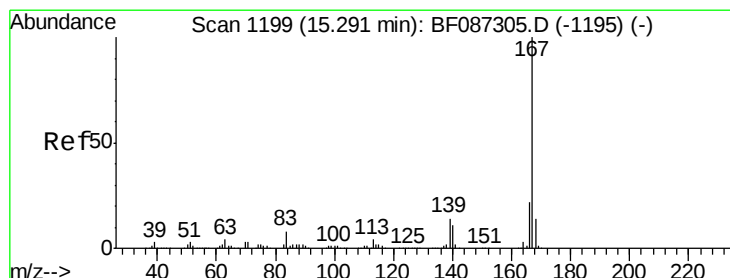
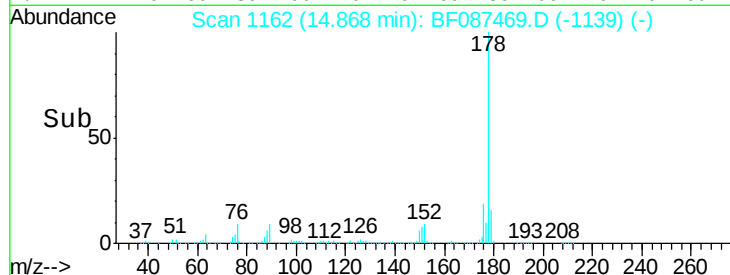
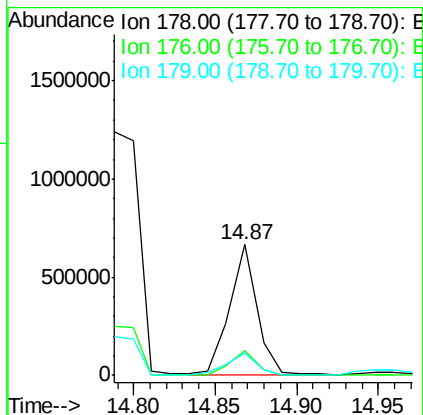
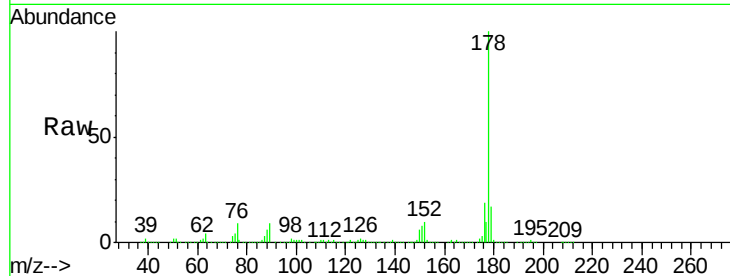




#71
 Anthracene
 Concen: 47.20 ng
 RT: 14.87 min Scan# 1162
 Delta R.T. -0.03 min
 Lab File: BF087469.D
 Acq: 28 May 2016 6:03

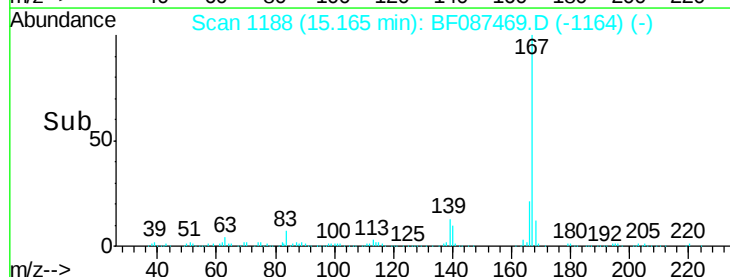
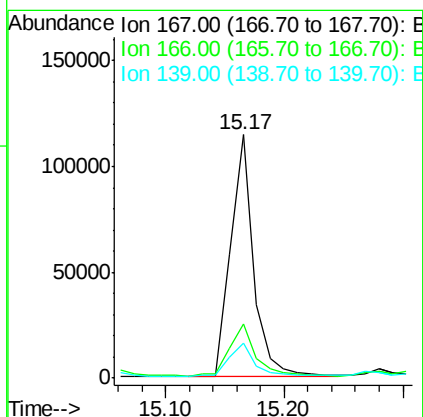
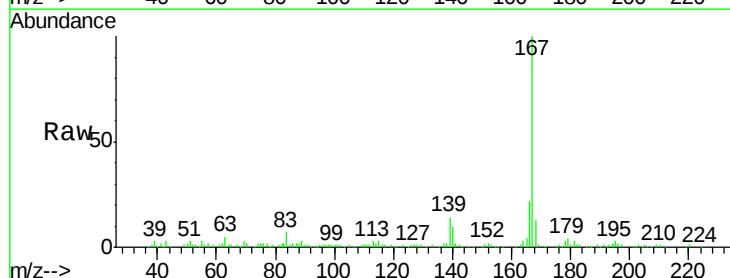
Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1696(0-4)

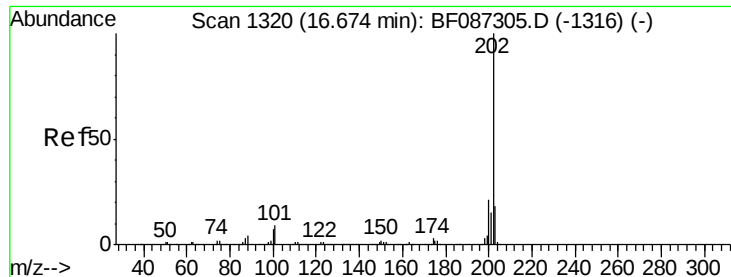
Tgt Ion:178 Resp: 763440
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.6 23.4
 179 16.5 12.7 19.1



#72
 Carbazole
 Concen: 11.12 ng
 RT: 15.17 min Scan# 1188
 Delta R.T. -0.02 min
 Lab File: BF087469.D
 Acq: 28 May 2016 6:03

Tgt Ion:167 Resp: 153332
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.7 26.5
 139 14.2 10.8 16.2





#74

Fluoranthene

Concen: 275.00 ng

RT: 16.57 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1696(0-4)

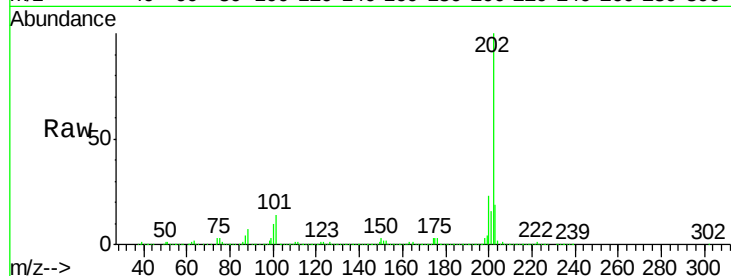
Tgt Ion:202 Resp: 4414929

Ion Ratio Lower Upper

202 100

101 13.7 0.0 35.4

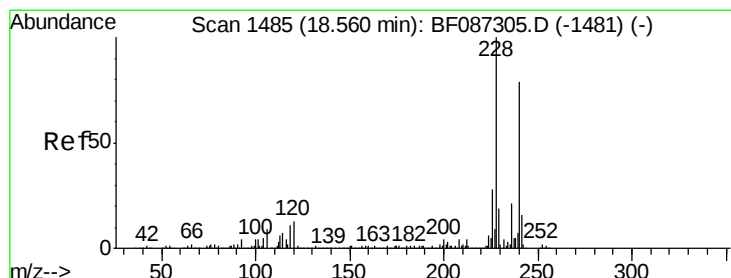
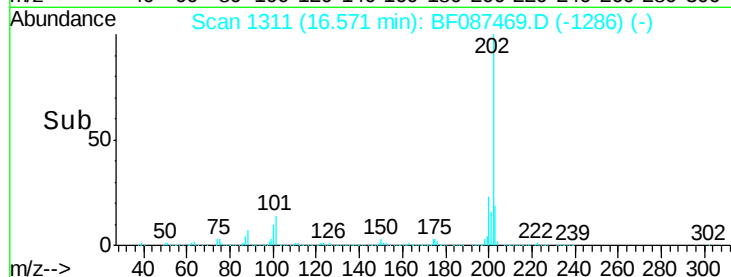
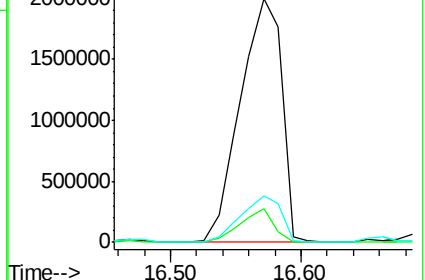
203 18.9 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.47 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

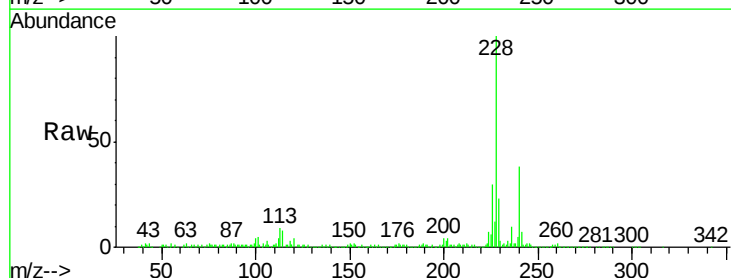
Tgt Ion:240 Resp: 219817

Ion Ratio Lower Upper

240 100

120 10.0 11.2 16.8#

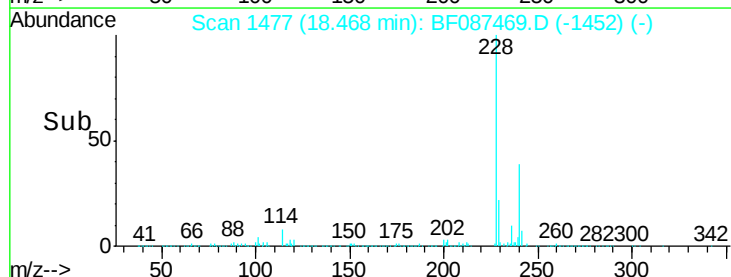
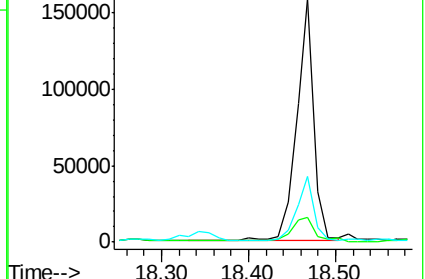
236 26.9 21.2 31.8

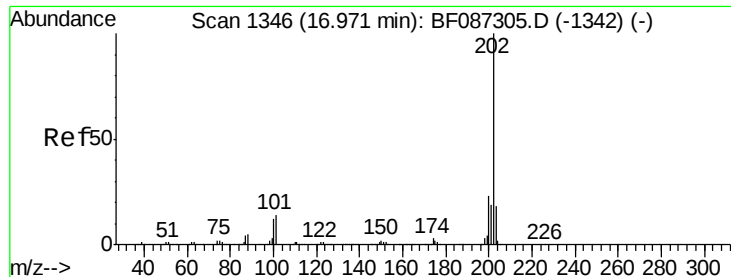


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 254.58 ng

RT: 16.88 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1696(0-4)

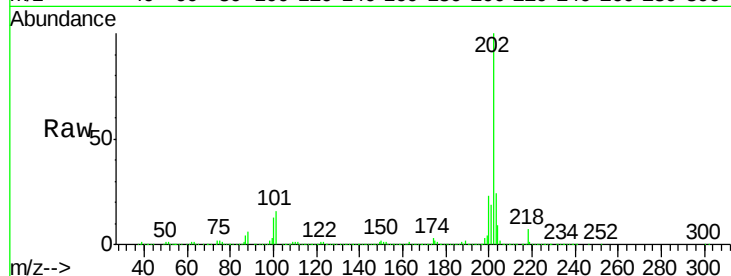
Tgt Ion:202 Resp: 4028152

Ion Ratio Lower Upper

202 100

200 23.3 17.7 26.5

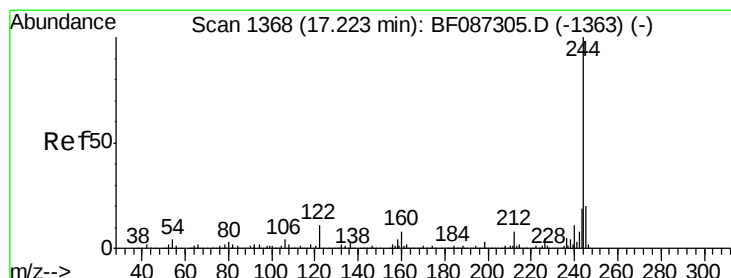
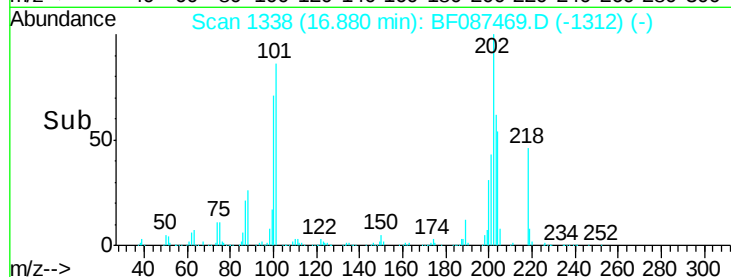
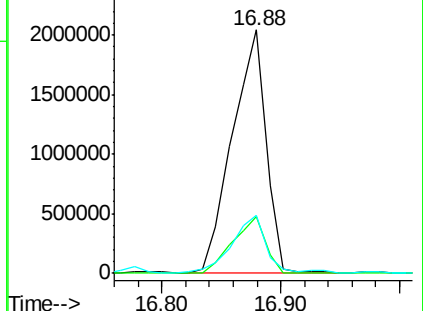
203 23.9 14.2 21.4#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 64.57 ng

RT: 17.11 min Scan# 1358

Delta R.T. -0.02 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

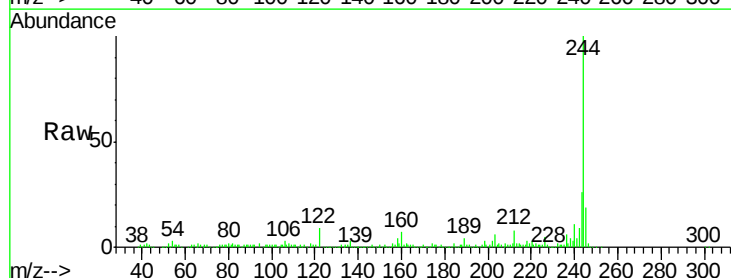
Tgt Ion:244 Resp: 667658

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

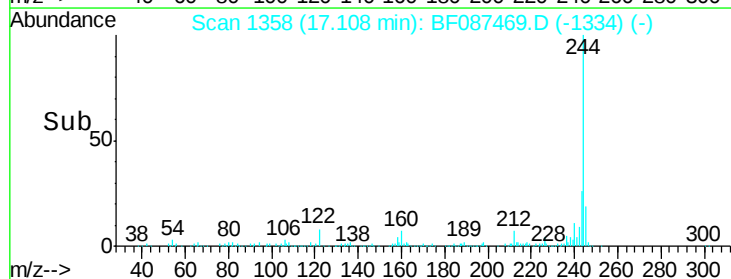
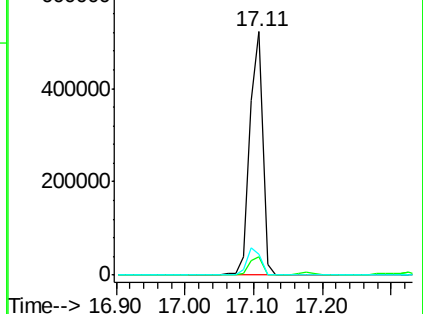
122 8.7 12.0 18.0#

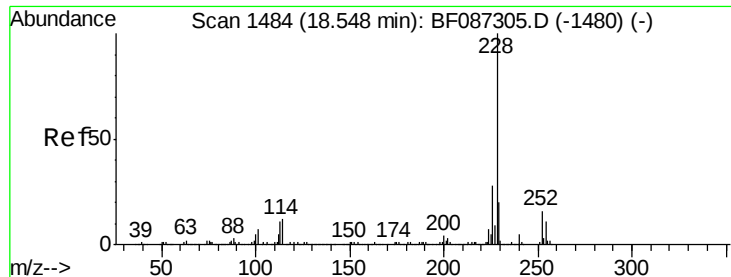


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 175.68 ng

RT: 18.46 min Scan# 1476

Delta R.T. 0.00 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1696(0-4)

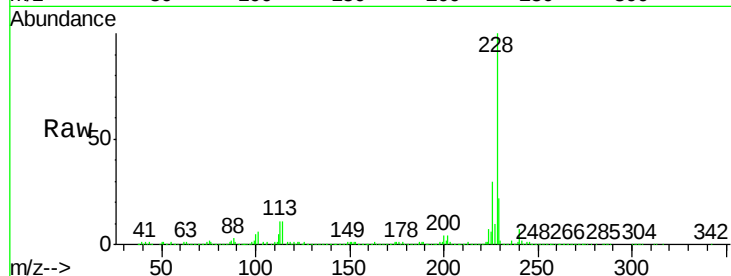
Tgt Ion:228 Resp: 2196581

Ion Ratio Lower Upper

228 100

226 29.8 22.5 33.7

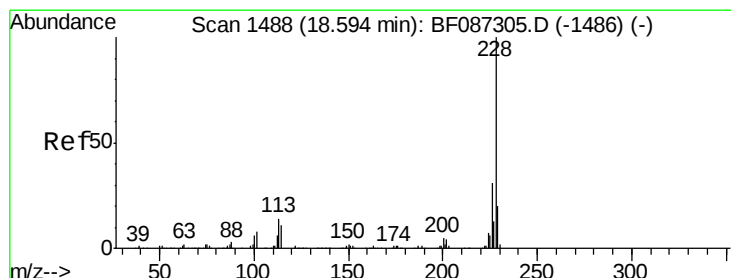
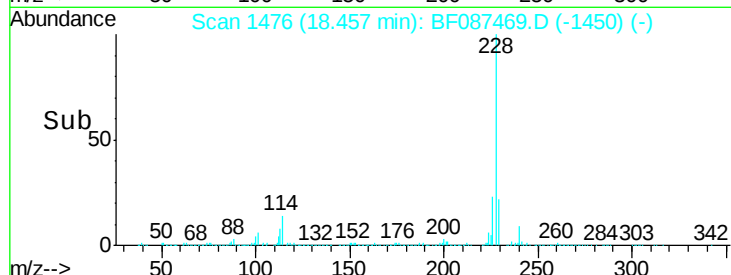
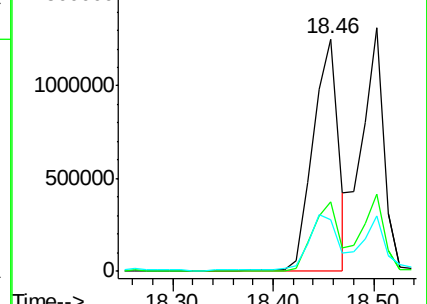
229 22.4 16.6 25.0



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



#82

Chrysene

Concen: 135.31 ng

RT: 18.50 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

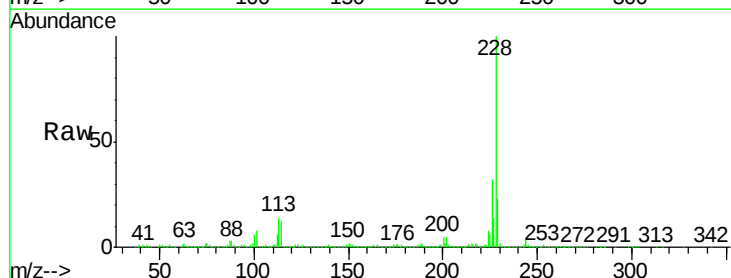
Tgt Ion:228 Resp: 1679147

Ion Ratio Lower Upper

228 100

226 31.6 24.4 36.6

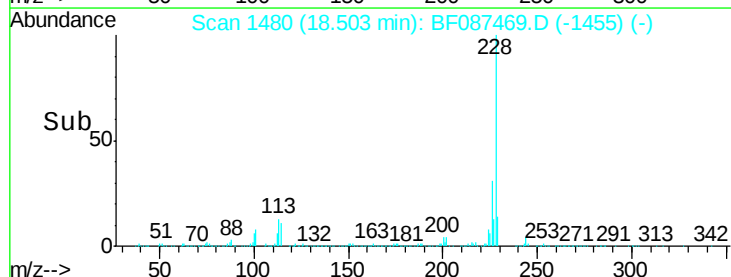
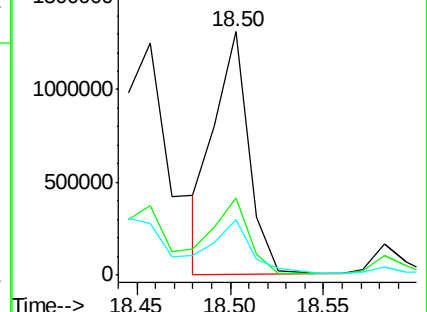
229 22.6 15.8 23.8

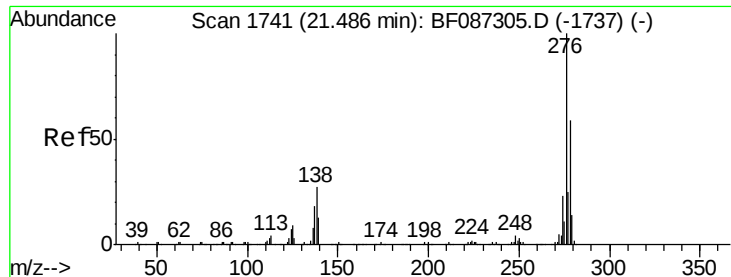


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 83.57 ng

RT: 21.36 min Scan# 1730

Delta R.T. 0.00 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1696(0-4)

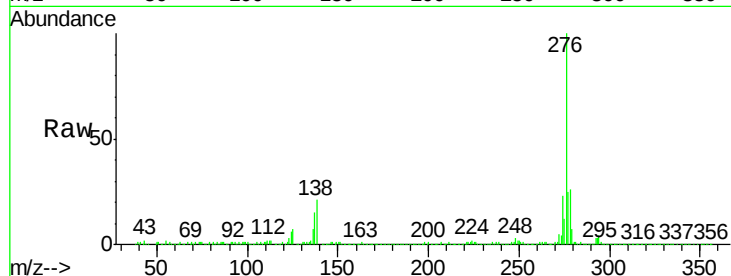
Tgt Ion:276 Resp: 831357

Ion Ratio Lower Upper

276 100

138 21.9 25.6 38.4#

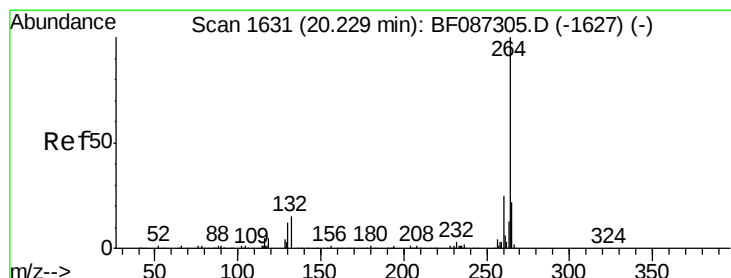
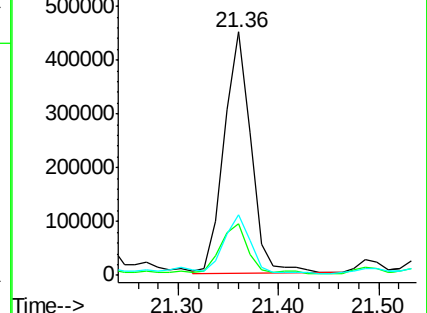
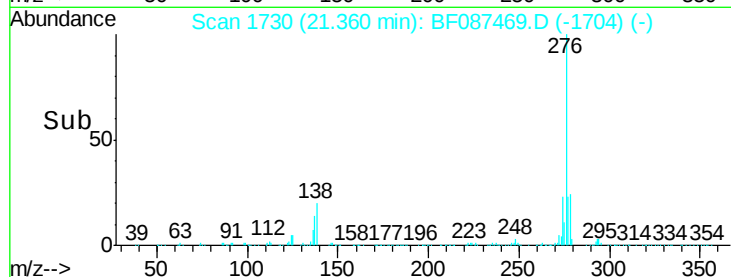
277 27.0 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.14 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

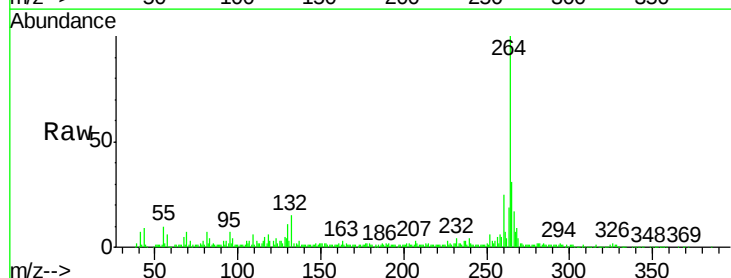
Tgt Ion:264 Resp: 179354

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

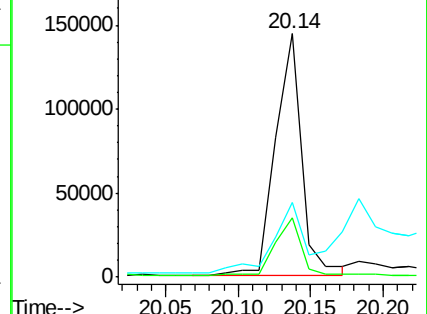
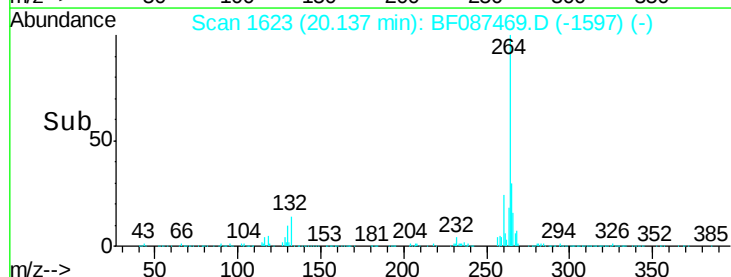
265 30.6 17.3 25.9#

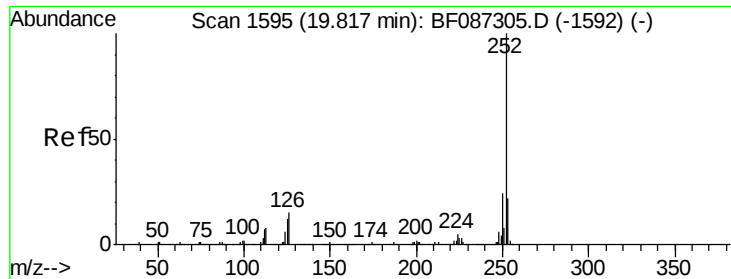


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 264.81 ng

RT: 19.74 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1696(0-4)

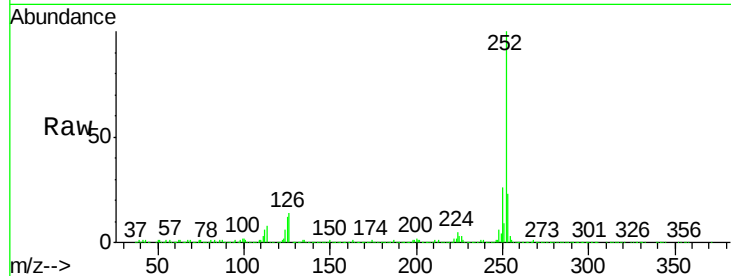
Tgt Ion:252 Resp: 3025415

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

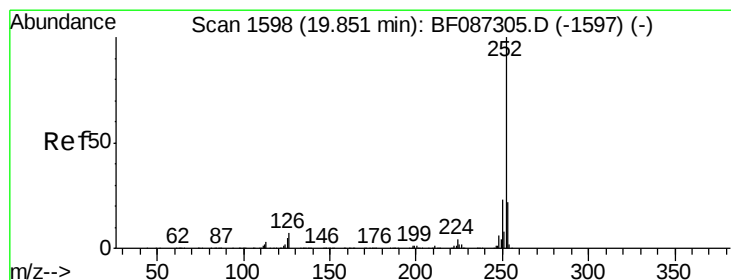
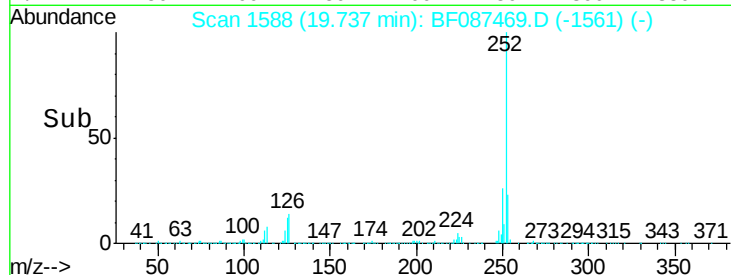
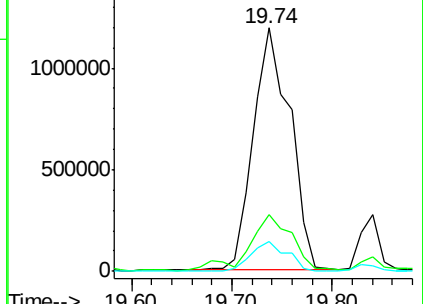
125 12.0 11.4 17.0



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



#88

Benzo(k)fluoranthene

Concen: 307.66 ng

RT: 19.74 min Scan# 1588

Delta R.T. -0.02 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

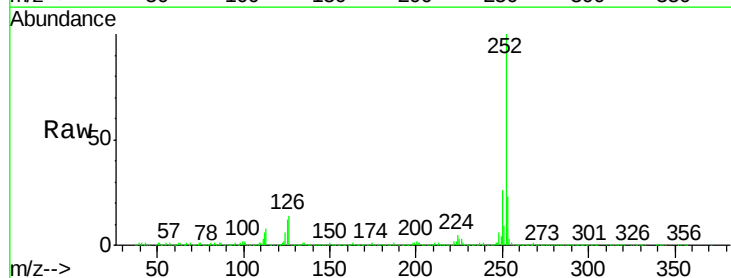
Tgt Ion:252 Resp: 3025415

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

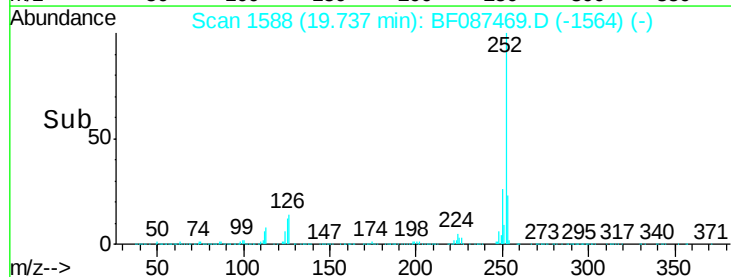
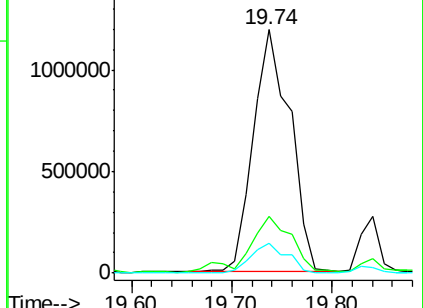
125 12.0 9.1 13.7

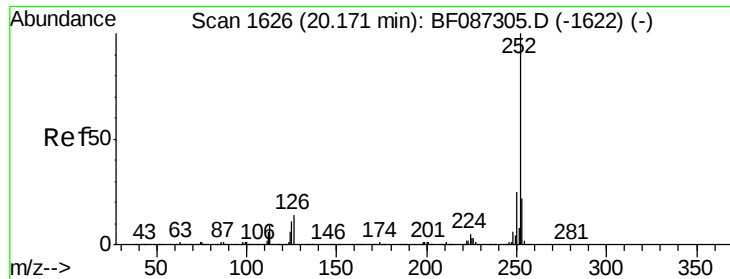


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 35.96 ng

RT: 19.84 min Scan# 1597

Delta R.T. -0.24 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1696(0-4)

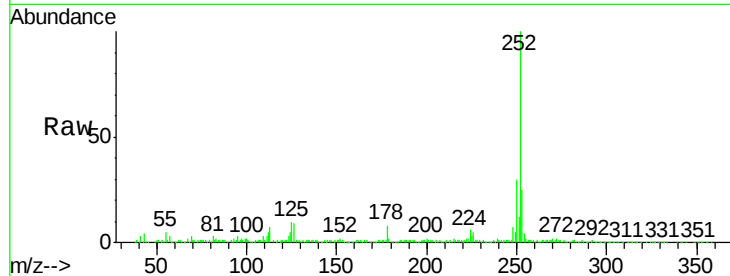
Tgt Ion:252 Resp: 355348

Ion Ratio Lower Upper

252 100

253 25.0 17.2 25.8

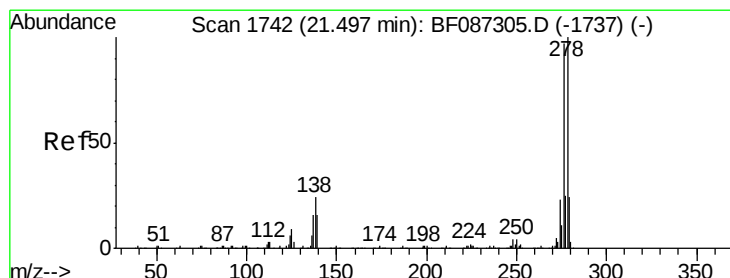
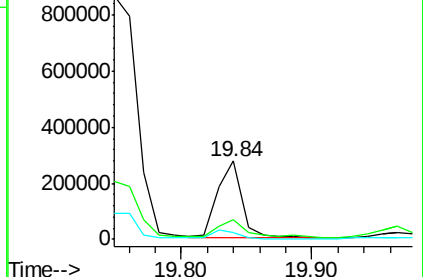
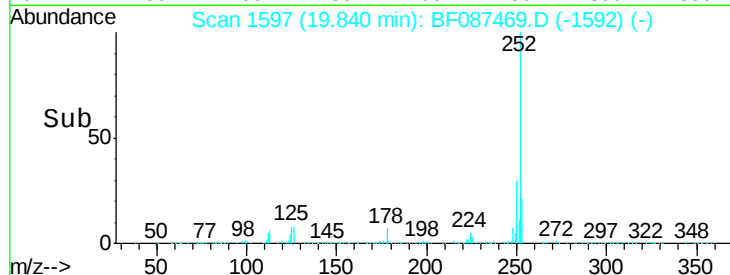
125 9.5 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 22.03 ng

RT: 21.49 min Scan# 1741

Delta R.T. 0.13 min

Lab File: BF087469.D

Acq: 28 May 2016 6:03

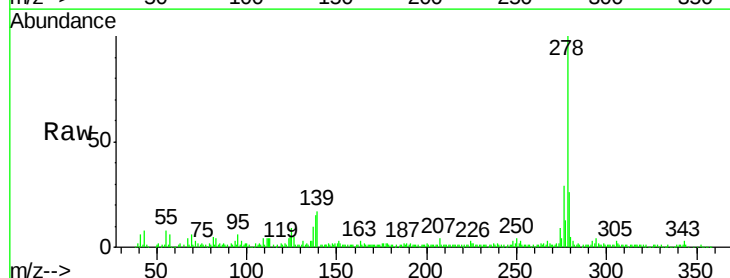
Tgt Ion:278 Resp: 185656

Ion Ratio Lower Upper

278 100

139 17.4 16.6 24.8

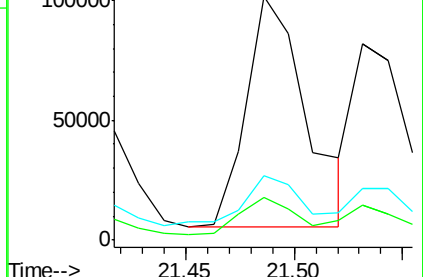
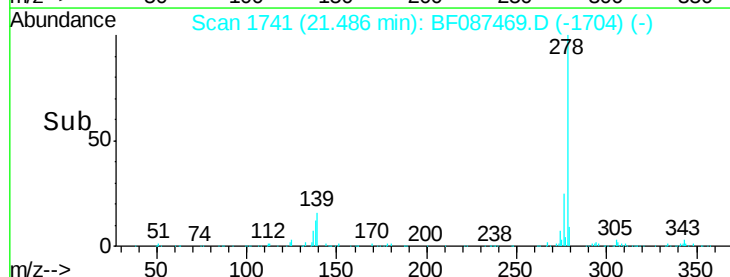
279 26.3 19.6 29.4

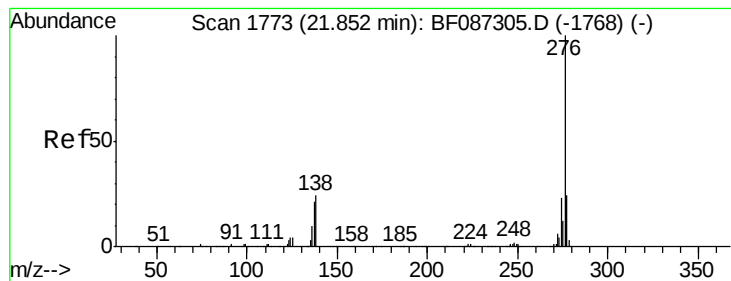


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 18.05 ng

RT: 21.91 min Scan# 1778

Delta R.T. 0.19 min

Lab File: BF087469.D

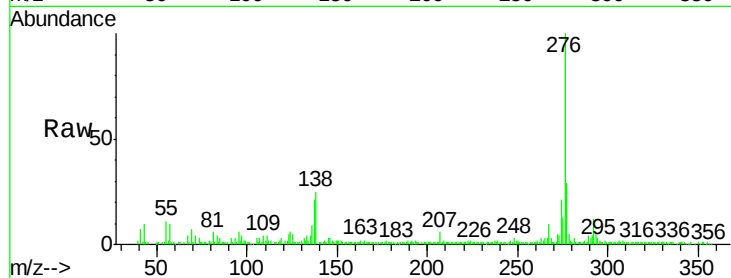
Acq: 28 May 2016 6:03

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1696(0-4)



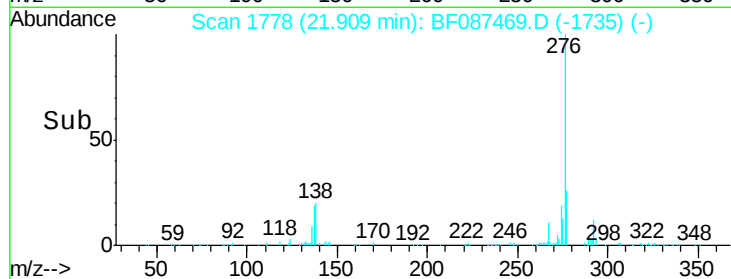
Tgt Ion: 276 Resp: 150099

Ion Ratio Lower Upper

276 100

277 29.3 19.6 29.4

138 25.1 23.6 35.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

