

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088429.D
 Acq On : 26 Jun 2016 20:24
 Operator : UM/SJ
 Sample : H3663-08 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURFACESOILDUP

Quant Time: Jun 27 03:57:53 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	86738	20.00	ng	-0.06
21) Naphthalene-d8	7.84	136	338540	20.00	ng	-0.06
38) Acenaphthene-d10	9.58	164	156697	20.00	ng	-0.07
63) Phenanthrene-d10	11.05	188	266116	20.00	ng	-0.07
75) Chrysene-d12	13.68	240	173711	20.00	ng	-0.07
86) Perylene-d12	15.03	264	175862	20.00	ng	-0.08

System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	232907	45.90	ng	-0.05
7) Phenol-d6	6.22	99	290354	47.22	ng	-0.05
23) Nitrobenzene-d5	7.12	82	184711	31.86	ng	-0.06
41) 2,4,6-Tribromophenol	10.36	330	62262	37.63	ng	-0.07
44) 2-Fluorobiphenyl	8.91	172	383125	35.16	ng	-0.06
78) Terphenyl-d14	12.63	244	250636	32.83	ng	-0.07

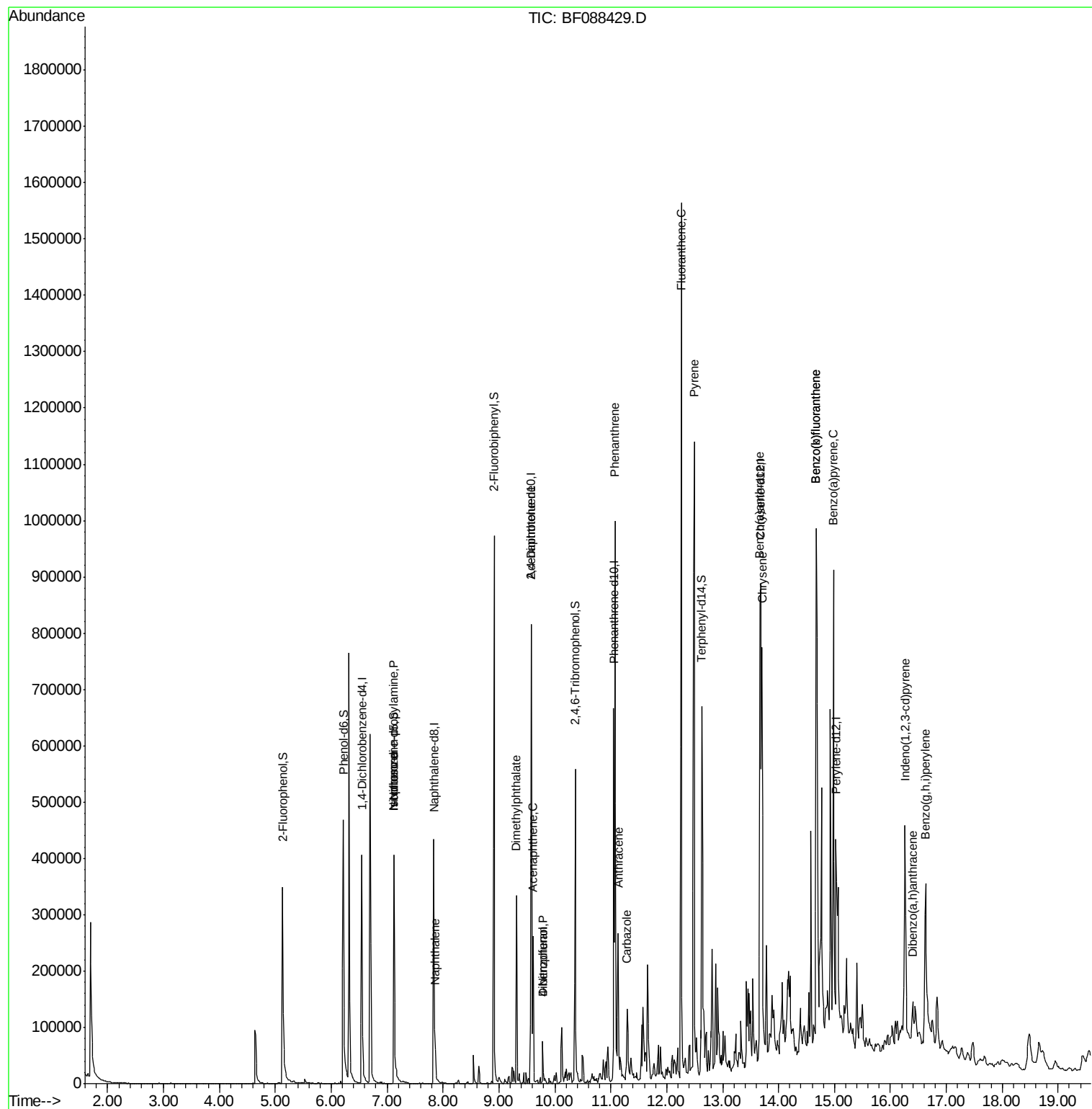
Target Compounds				Qvalue		
10) Phenol	6.23	94	2028	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.12	70	22738	5.78	ng	72
25) Isophorone	7.12	82	176634	16.45	ng	65
31) Naphthalene	7.85	128	46407	2.77	ng	99
45) 1,1'-Biphenyl	9.02	154	3208	Below Cal		90
49) Dimethylphthalate	9.31	163	137127	12.08	ng	99
51) Acenaphthene	9.61	154	64055	6.37	ng	99
54) Dibenzofuran	9.78	168	34049	2.46	ng	93
55) 4-Nitrophenol	9.78	139	12419	5.33	ng	# 5
56) 2,4-Dinitrotoluene	9.58	165	20282	6.07	ng	# 38
57) Fluorene	10.12	166	38662	Below Cal		99
70) Phenanthrene	11.07	178	463895	33.22	ng	99
71) Anthracene	11.13	178	139140	9.88	ng	98
72) Carbazole	11.29	167	84944	6.44	ng	99
74) Fluoranthene	12.26	202	696745	47.28	ng	98
77) Pyrene	12.49	202	637202	49.43	ng	99
80) Benzo(a)anthracene	13.67	228	390305	39.43	ng	98
82) Chrysene	13.70	228	307686	33.04	ng	97
85) Indeno(1,2,3-cd)pyrene	16.26	276	247075	28.56	ng	# 100
87) Benzo(b)fluoranthene	14.67	252	714564	58.30	ng	# 94
88) Benzo(k)fluoranthene	14.67	252	714564	77.28	ng	99
89) Benzo(a)pyrene	14.98	252	391287	39.46	ng	97
90) Dibenzo(a,h)anthracene	16.40	278	43535	4.73	ng	96
91) Benzo(g,h,i)perylene	16.63	276	226763	23.93	ng	96

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

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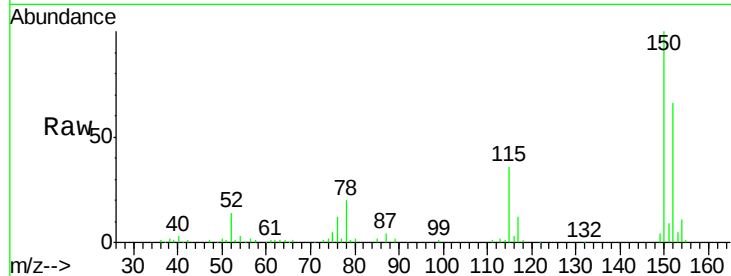


#1

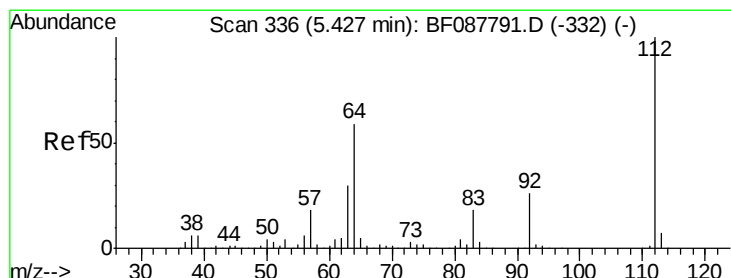
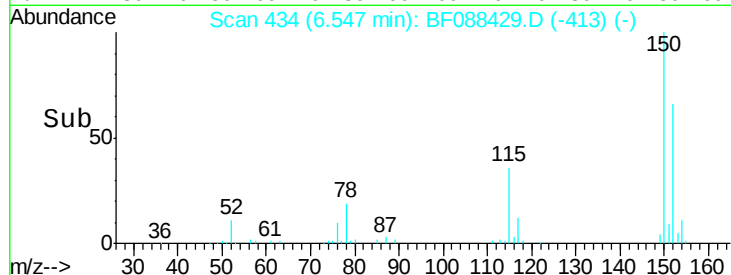
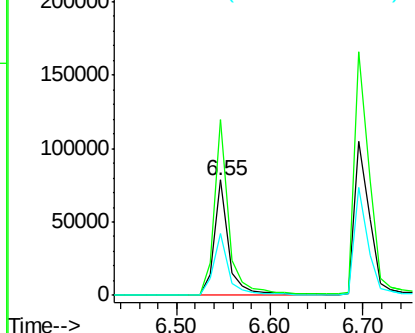
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 434
Delta R.T. -0.06 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Instrument :
BNA_F
ClientSampleId :
SURFACESOILDUP

Tot Ion:152 Resp: 86738
Ion Ratio Lower Upper
152 100
150 151.8 123.8 185.6
115 54.1 39.6 59.4



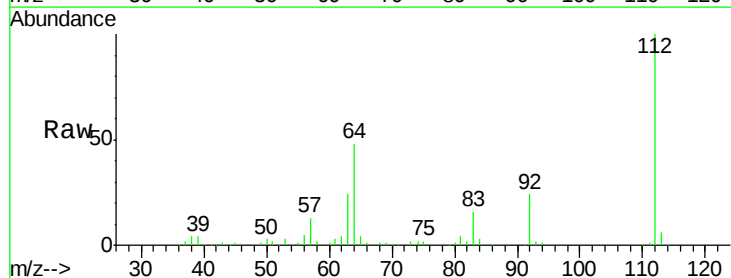
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



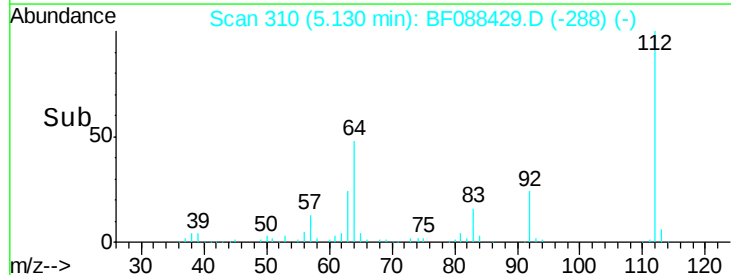
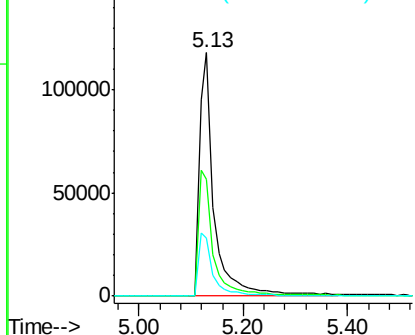
#5

2-Fluorophenol
Concen: 45.90 ng
RT: 5.13 min Scan# 310
Delta R.T. -0.05 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Tgt Ion:112 Resp: 232907
Ion Ratio Lower Upper
112 100
64 48.0 42.2 63.2
63 23.9 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 47.22 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Instrument :

BNA_F

ClientSampleId :

SURFACESOILDUP

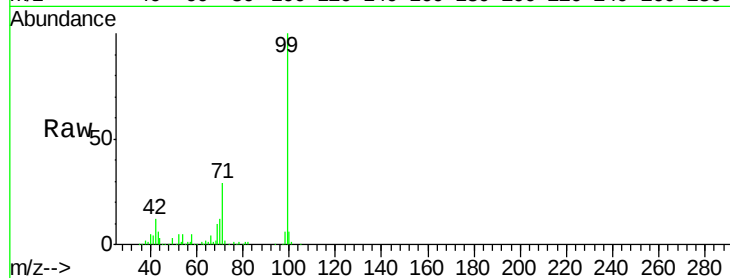
Tot Ion: 99 Resp: 290354

Ion Ratio Lower Upper

99 100

42 11.7 12.2 18.2#

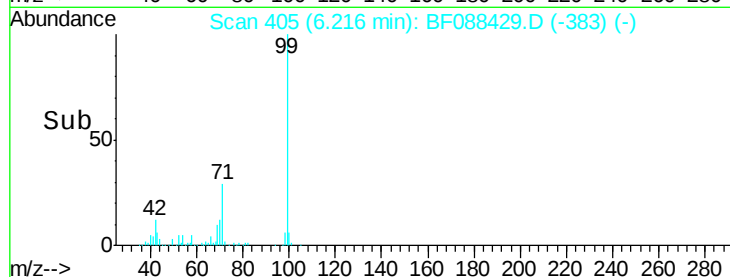
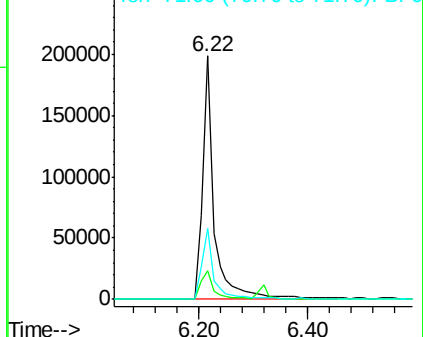
71 28.9 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.23 min Scan# 406

Delta R.T. -0.05 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

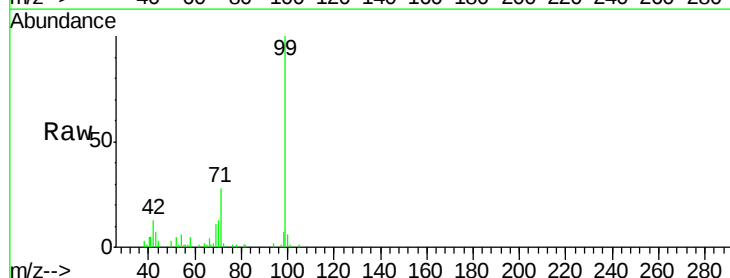
Tgt Ion: 94 Resp: 2028

Ion Ratio Lower Upper

94 100

65 57.9 5.9 45.9#

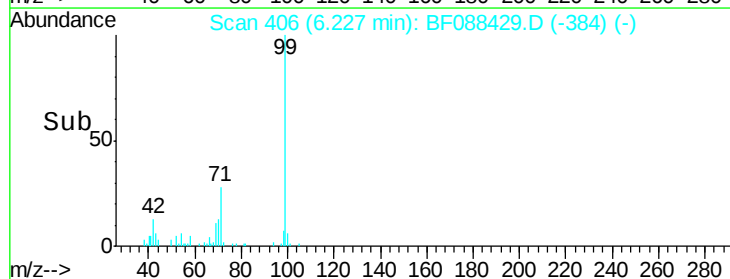
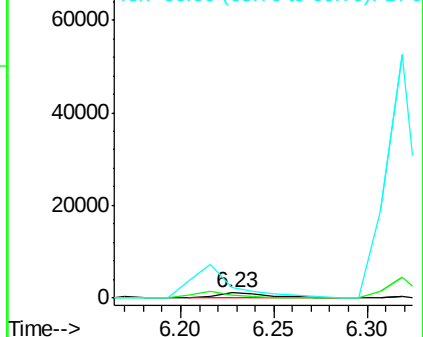
66 217.2 14.0 54.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

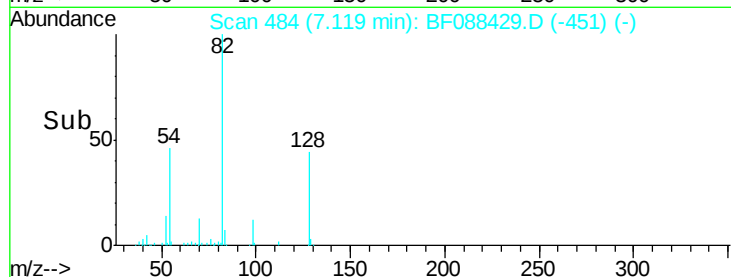
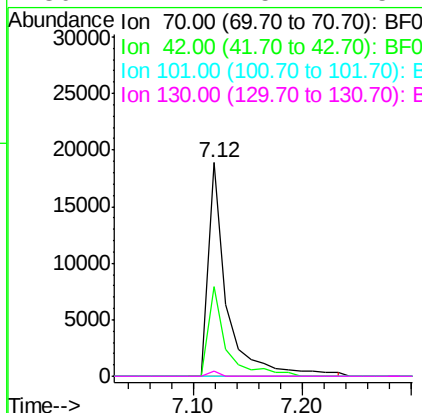
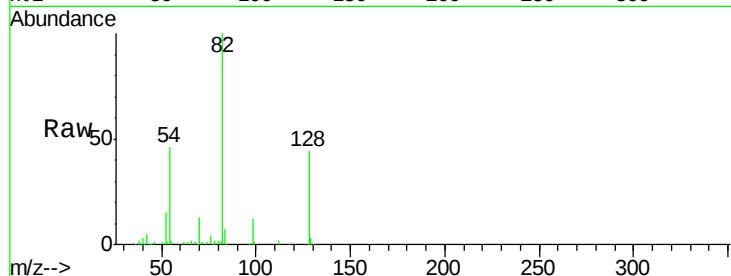




#19
n-Nitroso-di-n-propylamine
Concen: 5.78 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.08 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

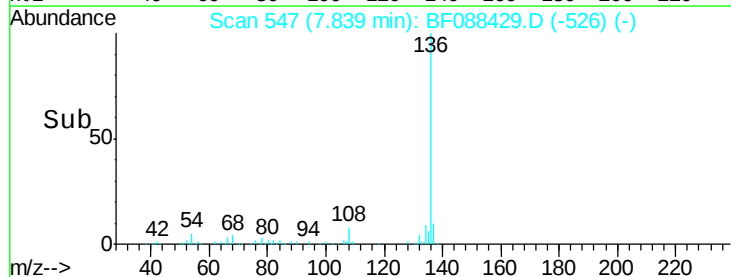
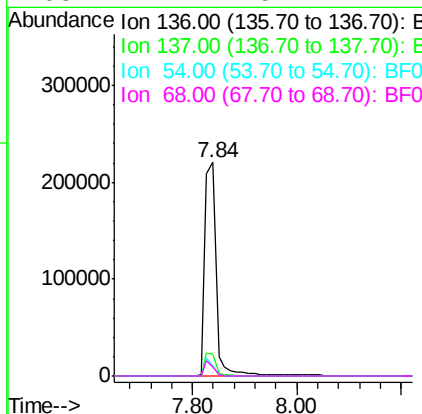
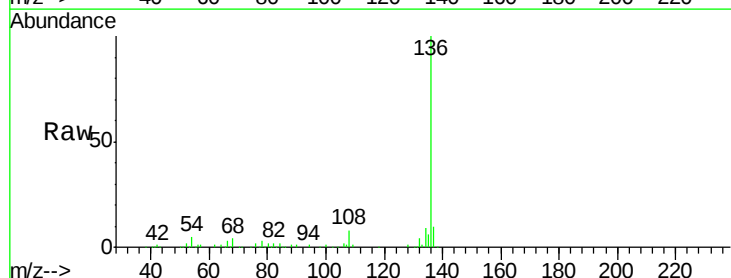
Instrument :
BNA_F
ClientSampleId :
SURFACESOILDUP

Tot Ion: 70 Resp: 22738
Ion Ratio Lower Upper
70 100
42 42.2 49.6 74.4#
101 0.0 7.1 10.7#
130 2.1 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.06 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Tgt Ion:136 Resp: 338540
Ion Ratio Lower Upper
136 100
137 10.4 9.1 13.7
54 4.6 6.6 10.0#
68 4.1 5.1 7.7#

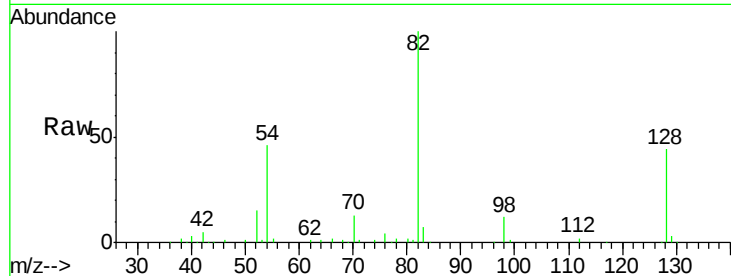




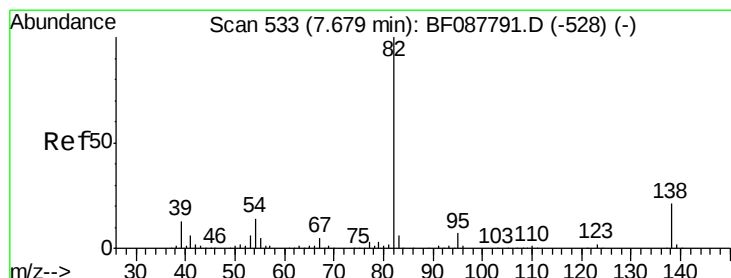
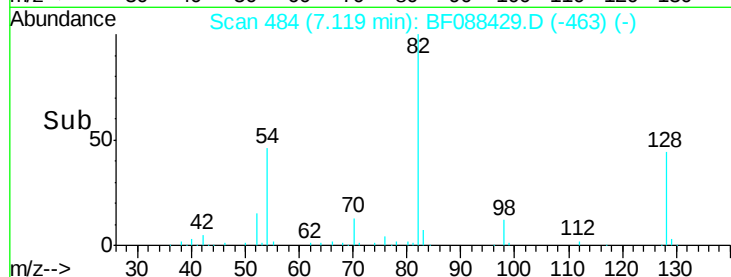
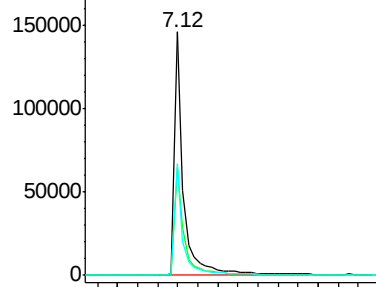
#23
Nitrobenzene-d5
Concen: 31.86 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.06 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Instrument :
BNA_F
ClientSampleId :
SURFACESOILDUP

Tot Ion: 82 Resp: 184711
Ion Ratio Lower Upper
82 100
128 44.4 35.9 53.9
54 45.8 40.9 61.3

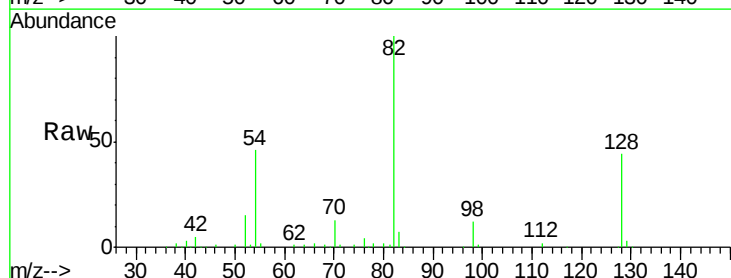


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

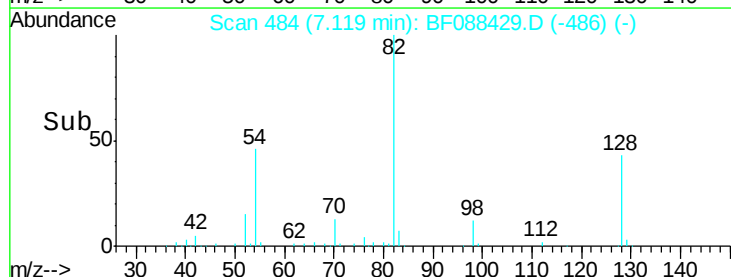
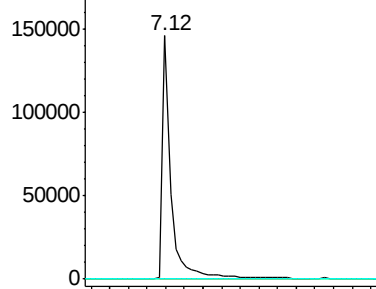


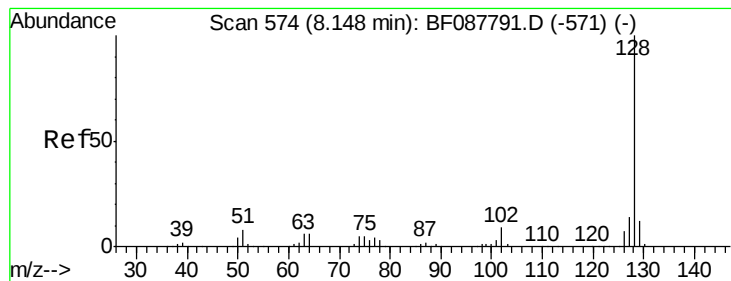
#25
Isophorone
Concen: 16.45 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.32 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Tgt Ion: 82 Resp: 176634
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 2.77 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Instrument :

BNA_F

ClientSampleId :

SURFACESOILDUP

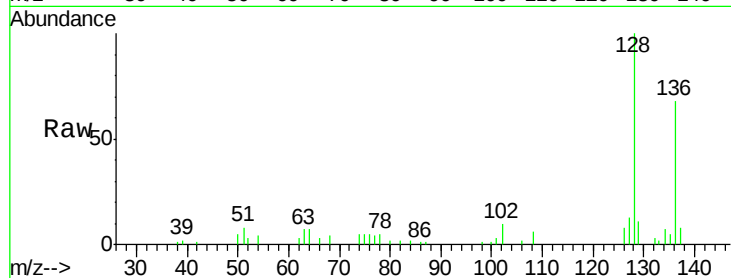
Tot Ion:128 Resp: 46407

Ion Ratio Lower Upper

128 100

129 11.0 9.4 14.2

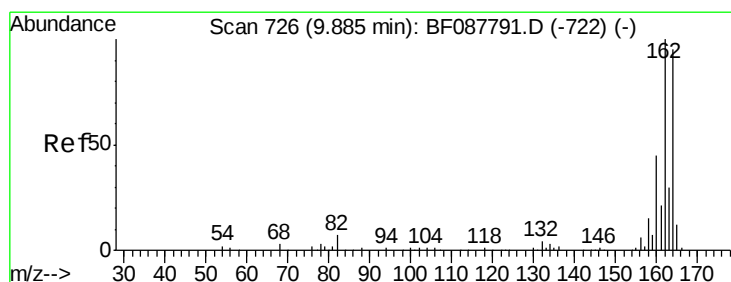
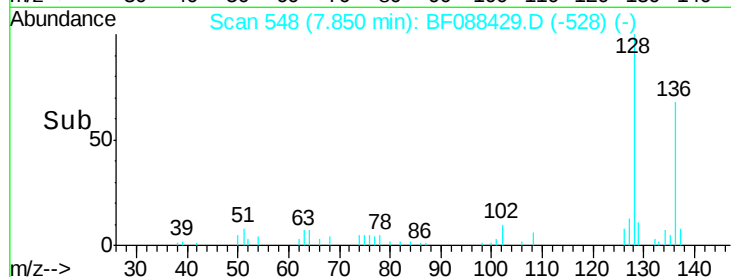
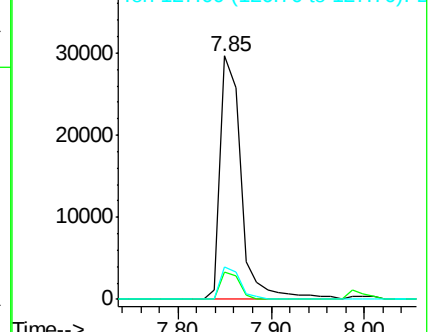
127 13.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

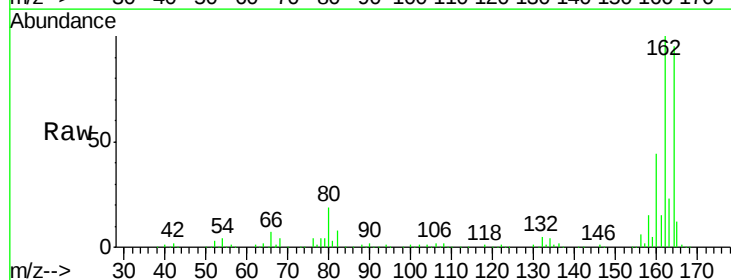
Tgt Ion:164 Resp: 156697

Ion Ratio Lower Upper

164 100

162 105.6 85.4 128.2

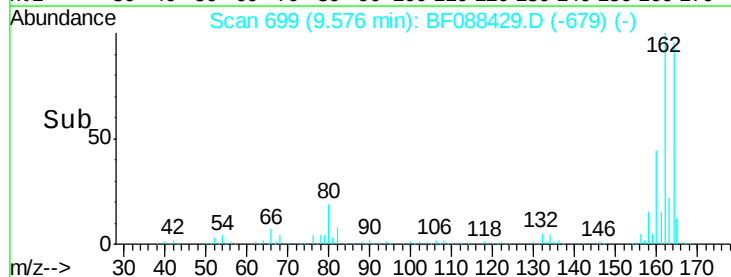
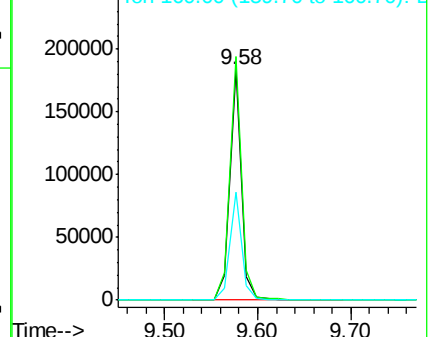
160 46.7 39.5 59.3

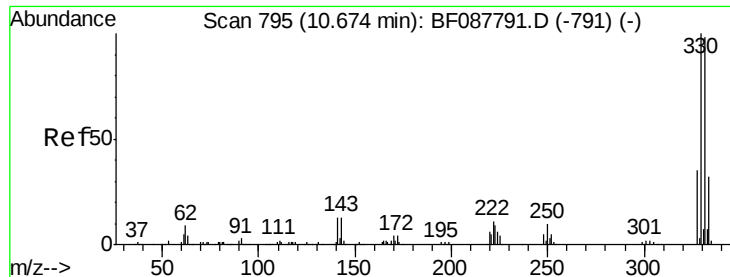


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

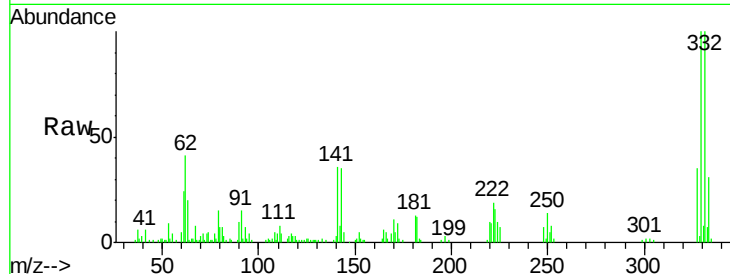




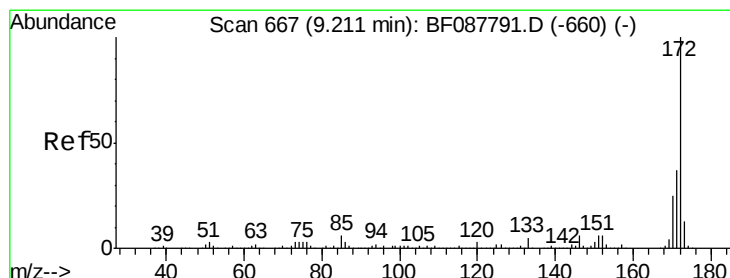
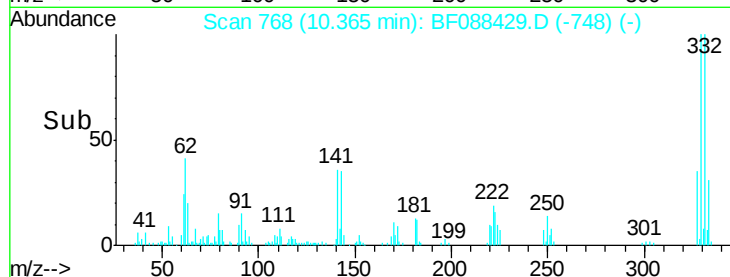
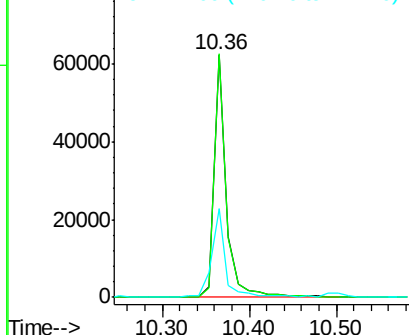
#41
2,4,6-Tribromophenol
Concen: 37.63 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.07 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Instrument :
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Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	0.0	0.0#
141	40.3	0.0	0.0#

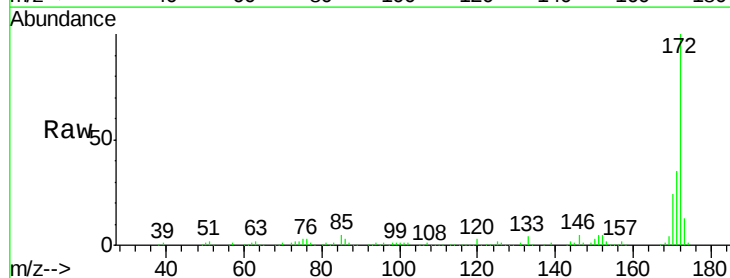


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

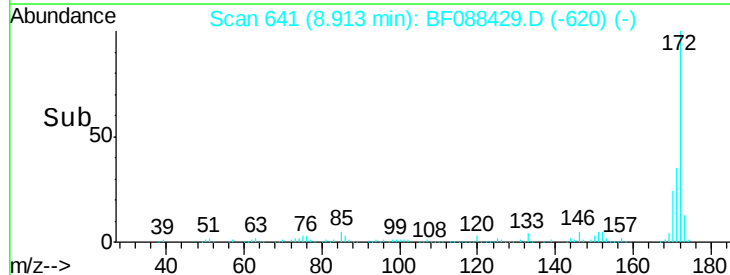
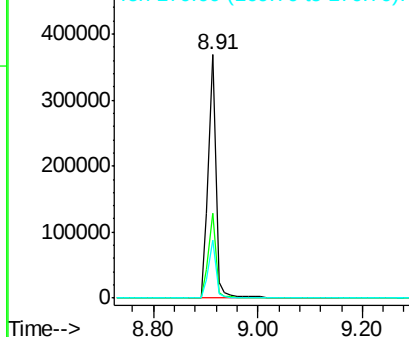


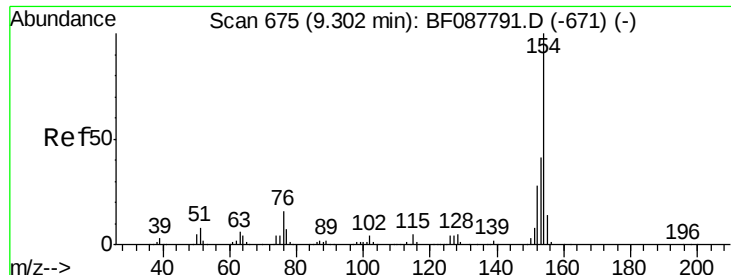
#44
2-Fluorobiphenyl
Concen: 35.16 ng
RT: 8.91 min Scan# 641
Delta R.T. -0.06 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	23.6	19.2	28.8



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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.02 min Scan# 650

Delta R.T. -0.06 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Instrument :

BNA_F

ClientSampleId :

SURFACESOILDUP

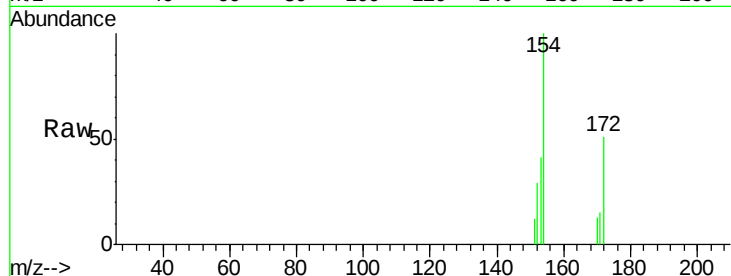
Tot Ion:154 Resp: 3208

Ion Ratio Lower Upper

154 100

153 40.6 20.6 60.6

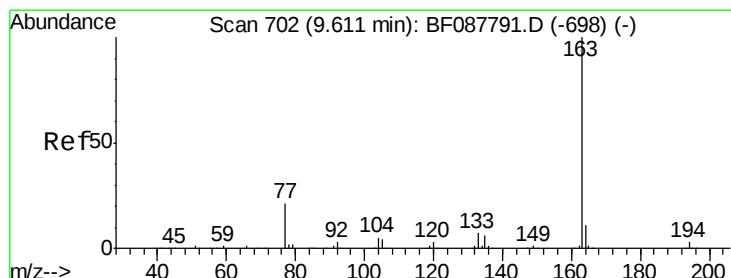
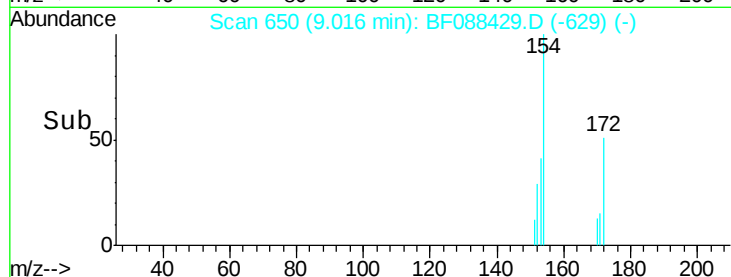
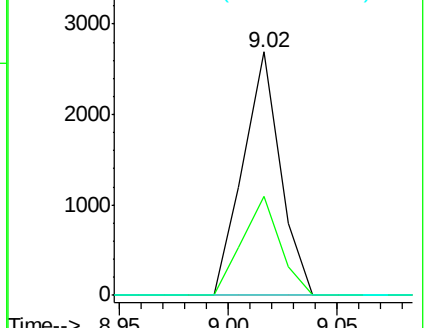
76 0.0 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 12.08 ng

RT: 9.31 min Scan# 676

Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

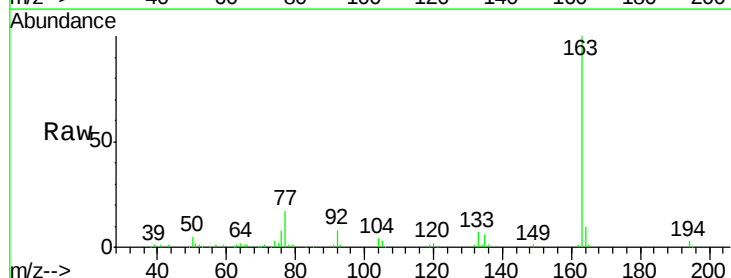
Tgt Ion:163 Resp: 137127

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

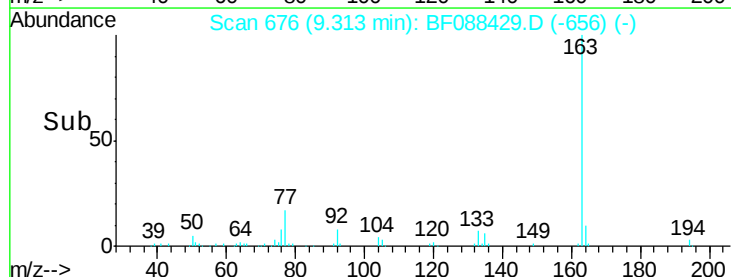
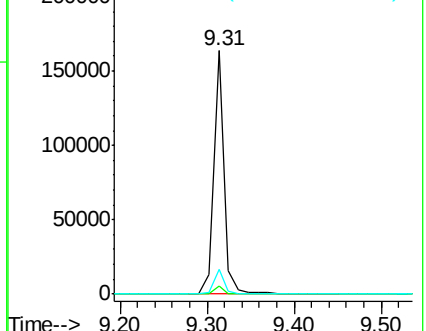
164 10.1 8.3 12.5

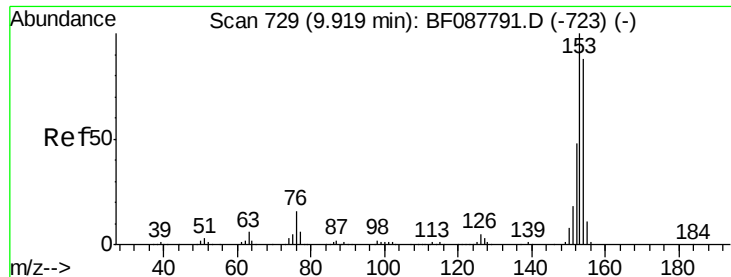


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 6.37 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Instrument :

BNA_F

ClientSampleId :

SURFACESOILDUP

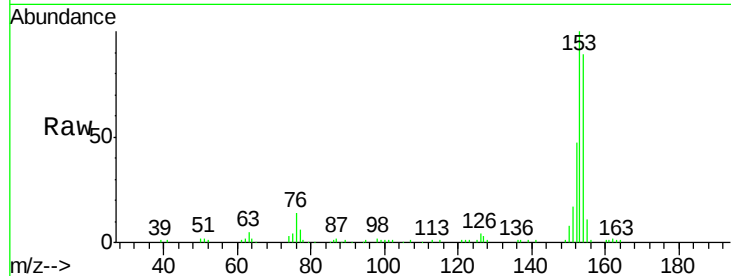
Tot Ion:154 Resp: 64055

Ion Ratio Lower Upper

154 100

153 112.1 89.5 134.3

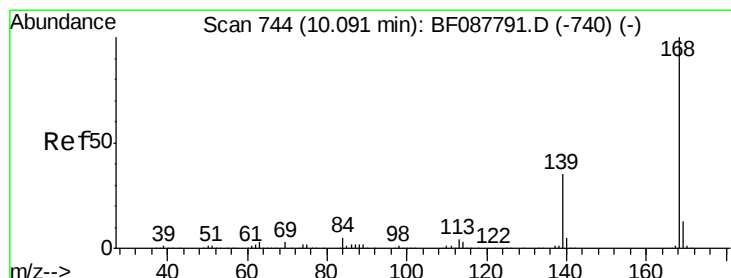
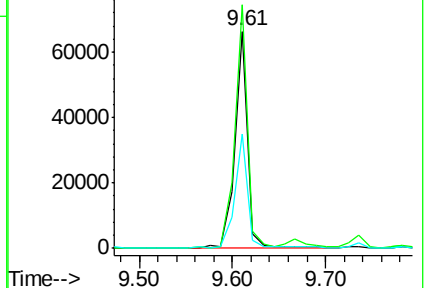
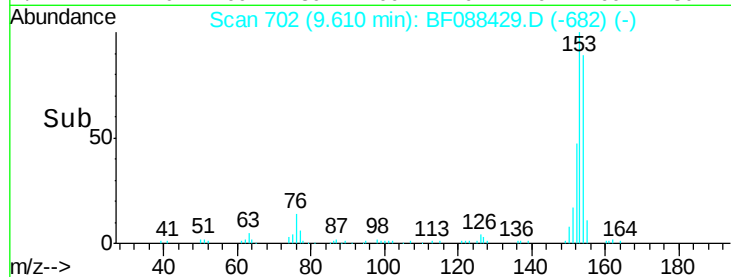
152 52.4 42.7 64.1



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

Dibenzofuran

Concen: 2.46 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

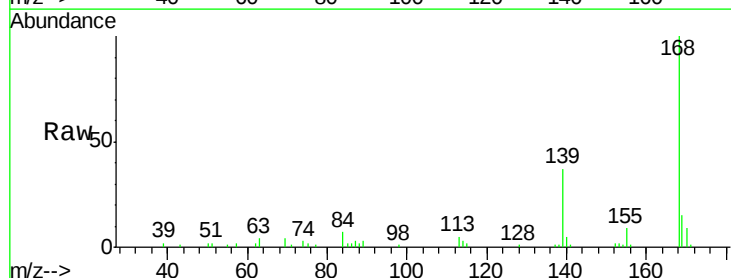
Tgt Ion:168 Resp: 34049

Ion Ratio Lower Upper

168 100

139 37.4 26.4 39.6

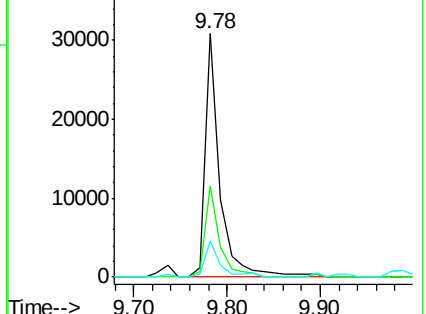
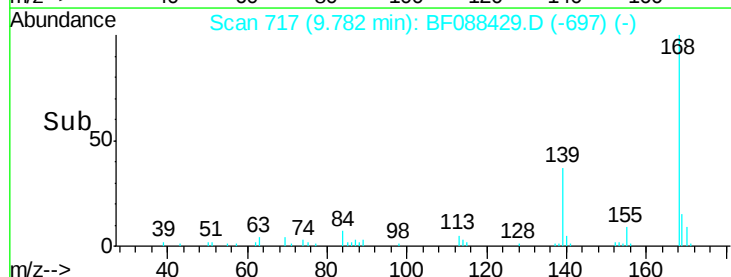
169 14.8 10.4 15.6

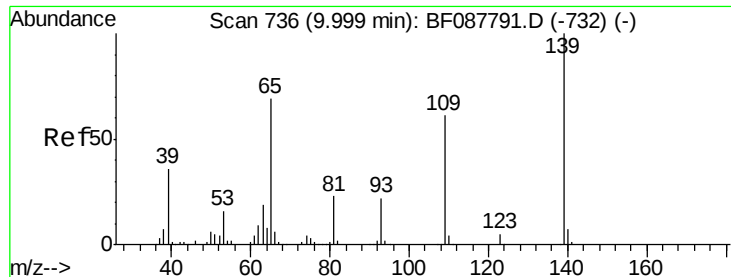


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

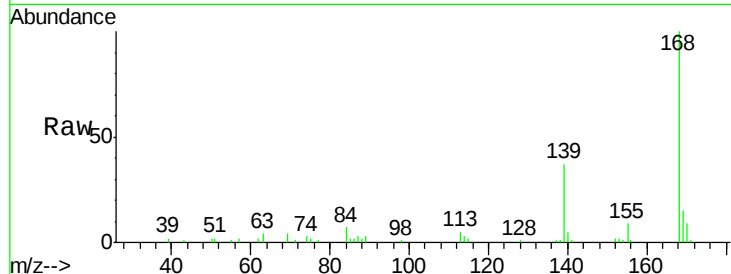




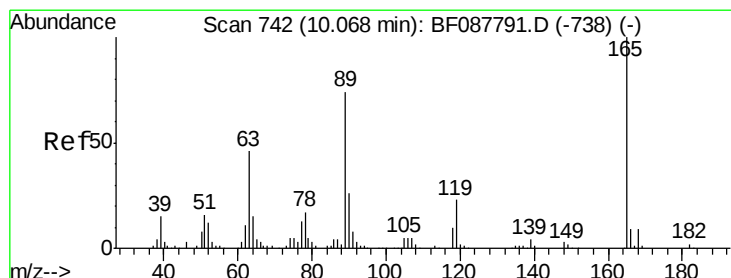
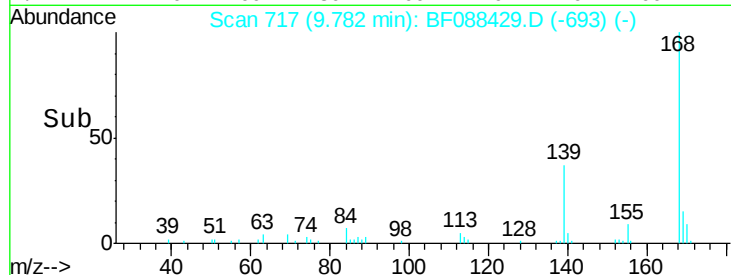
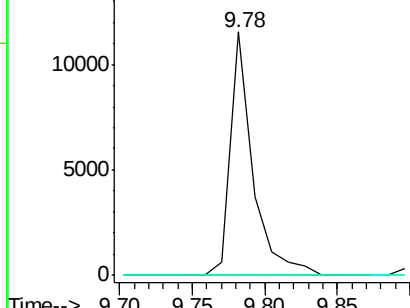
#55
4-Nitrophenol
Concen: 5.33 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.02 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Instrument :
BNA_F
ClientSampleId :
SURFACESOILDUP

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.9	88.9#
65	0.0	84.9	124.9#



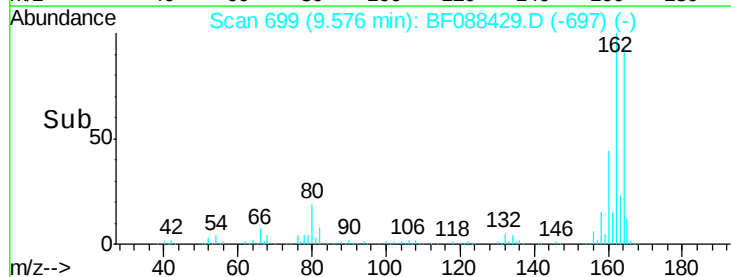
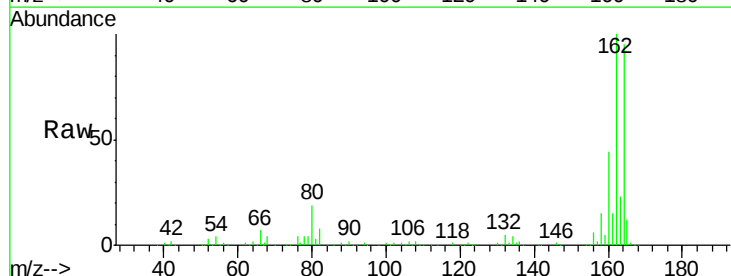
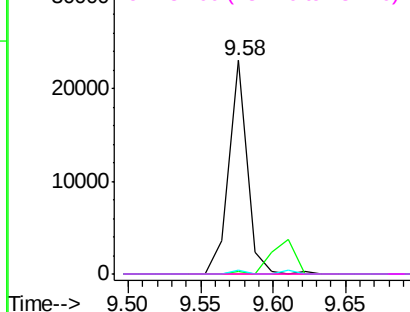
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

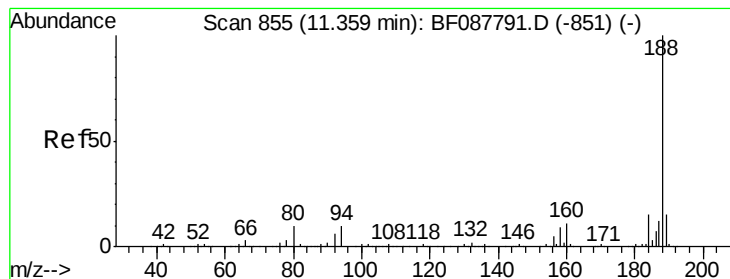


#56
2,4-Dinitrotoluene
Concen: 6.07 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.27 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	22.0	33.0#
89	1.7	41.1	61.7#
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): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.05 min Scan# 828

Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Instrument :

BNA_F

ClientSampleId :

SURFACESOILDUP

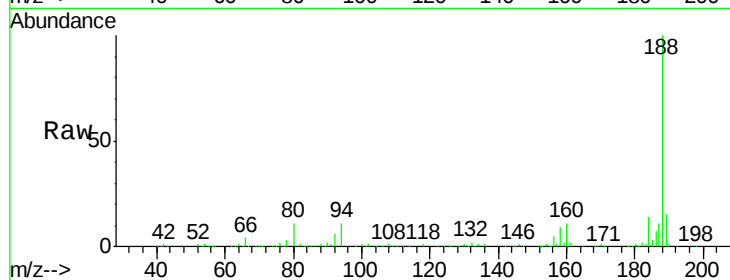
Tot Ion:188 Resp: 266116

Ion Ratio Lower Upper

188 100

94 10.6 9.0 13.6

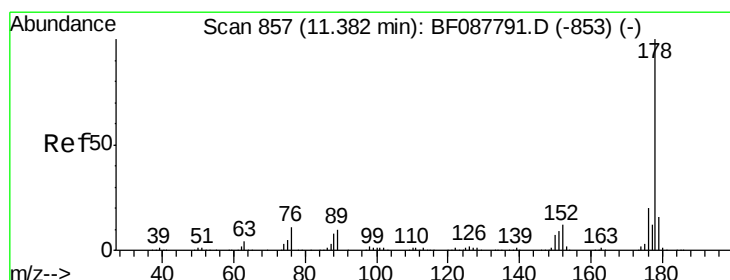
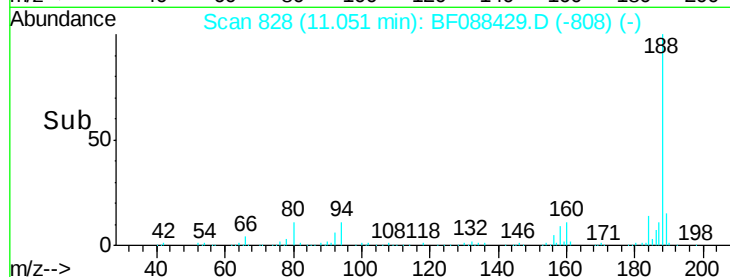
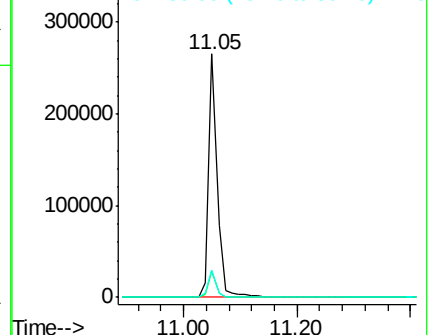
80 11.3 10.0 15.0



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: 33.22 ng

RT: 11.07 min Scan# 830

Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

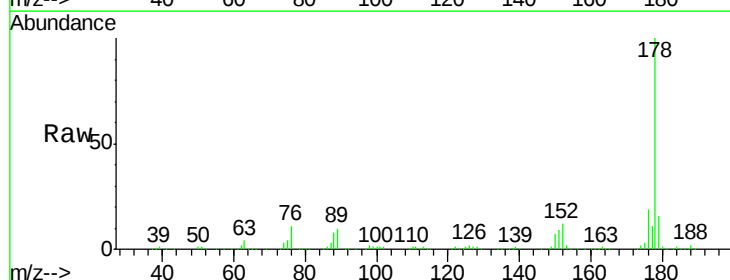
Tgt Ion:178 Resp: 463895

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.6

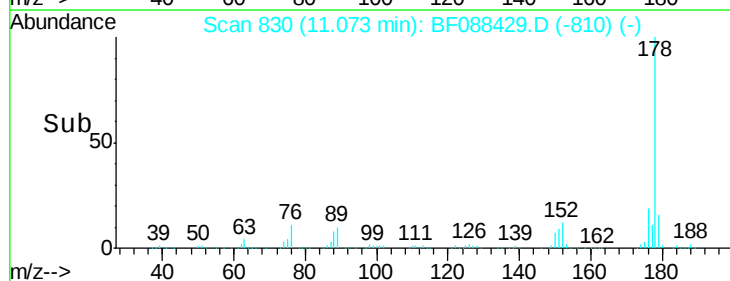
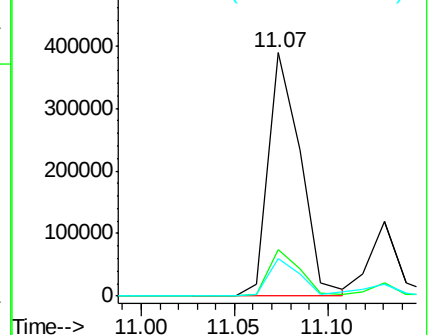
179 15.6 13.0 19.4

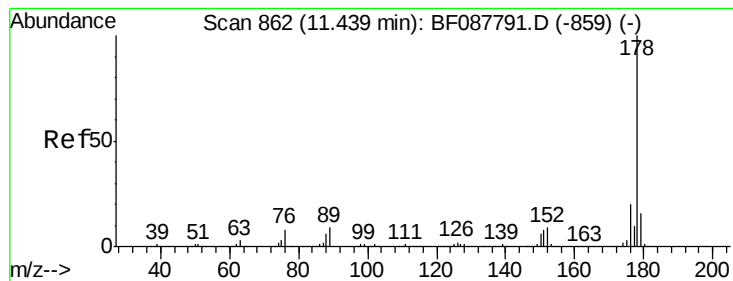


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 9.88 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Instrument :

BNA_F

ClientSampleId :

SURFACESOILDUP

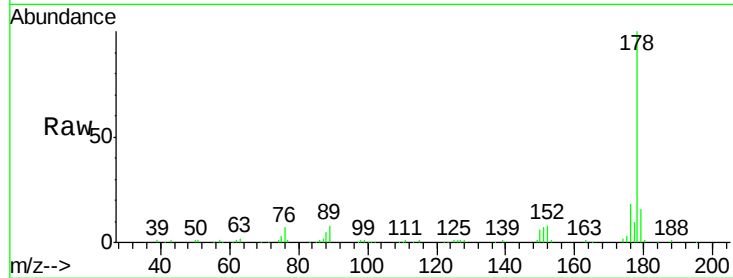
Tot Ion:178 Resp: 139140

Ion Ratio Lower Upper

178 100

176 18.3 15.6 23.4

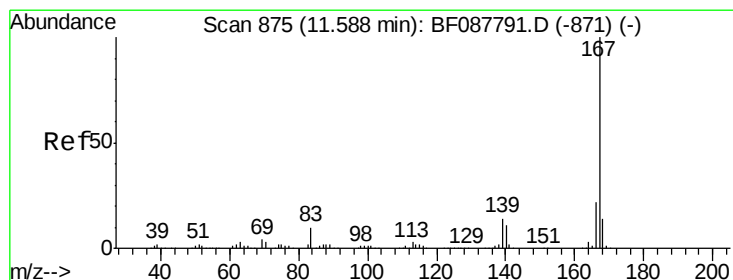
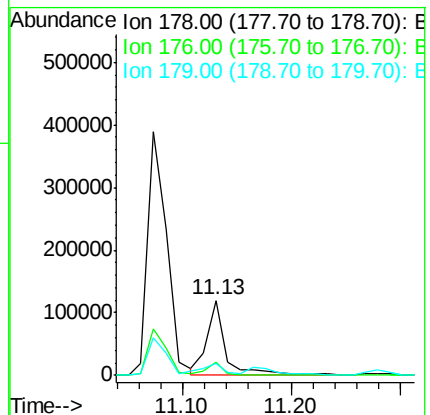
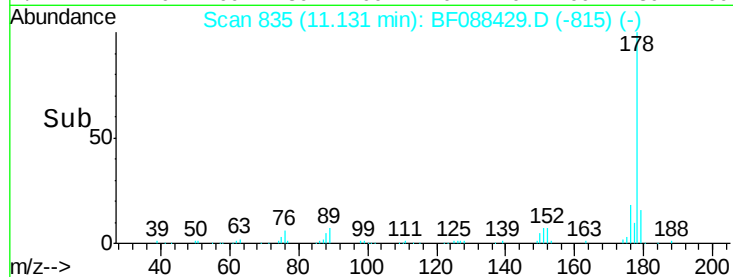
179 16.2 12.8 19.2



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



#72

Carbazole

Concen: 6.44 ng

RT: 11.29 min Scan# 849

Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

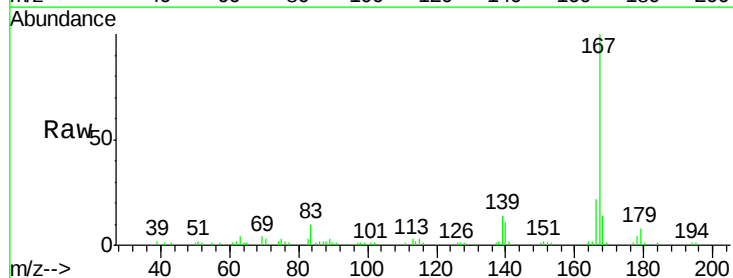
Tgt Ion:167 Resp: 84944

Ion Ratio Lower Upper

167 100

166 21.8 17.8 26.6

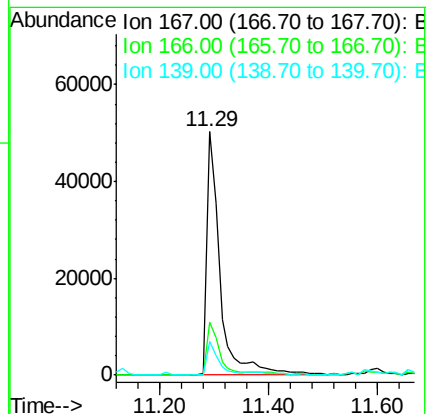
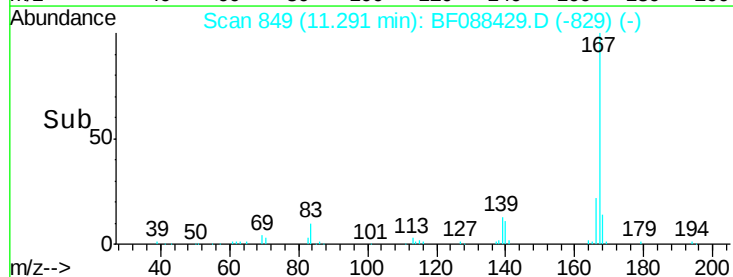
139 13.9 11.2 16.8

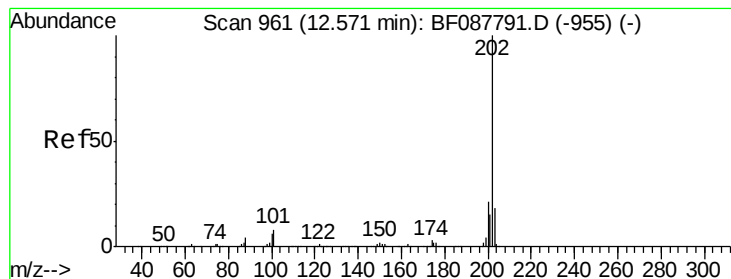


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 47.28 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.06 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Instrument :

BNA_F

ClientSampleId :

SURFACESOILDUP

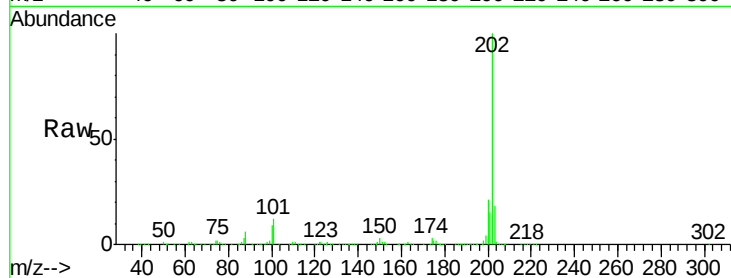
Tot Ion:202 Resp: 696745

Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.1

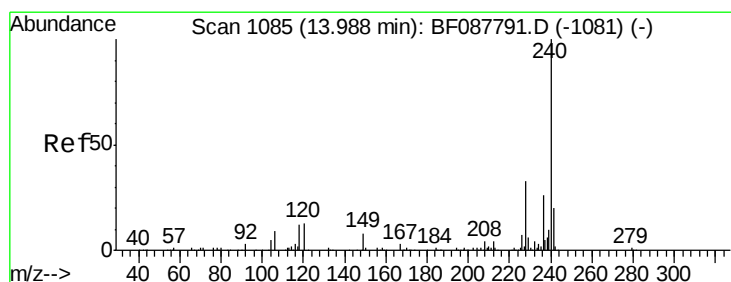
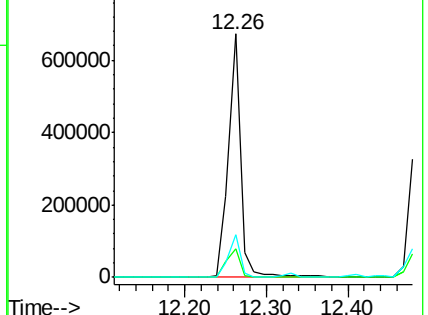
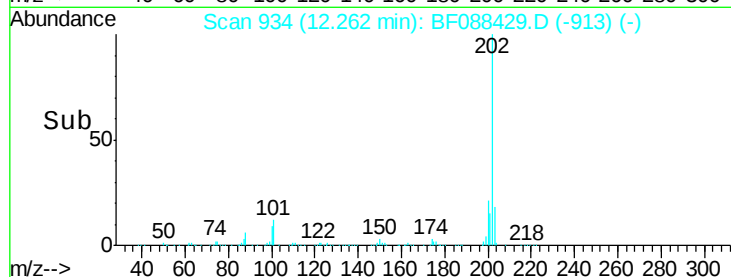
203 17.6 0.0 38.1



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: 13.68 min Scan# 1058

Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

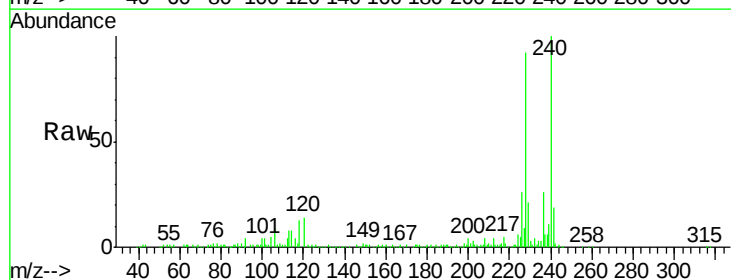
Tgt Ion:240 Resp: 173711

Ion Ratio Lower Upper

240 100

120 14.0 6.8 10.2#

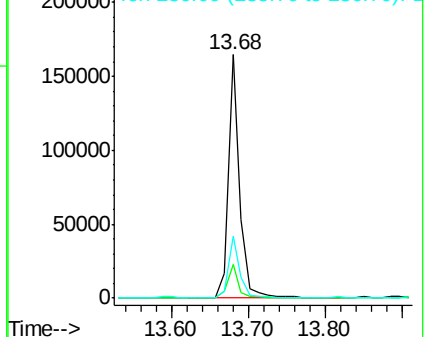
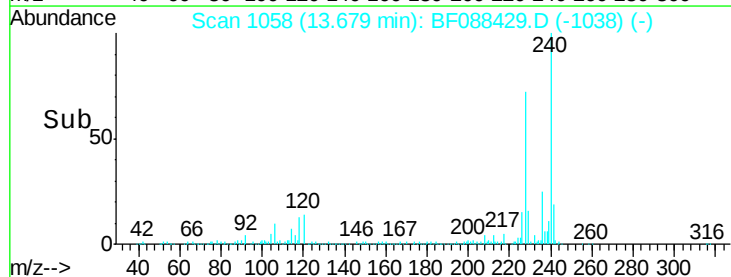
236 25.6 20.2 30.2

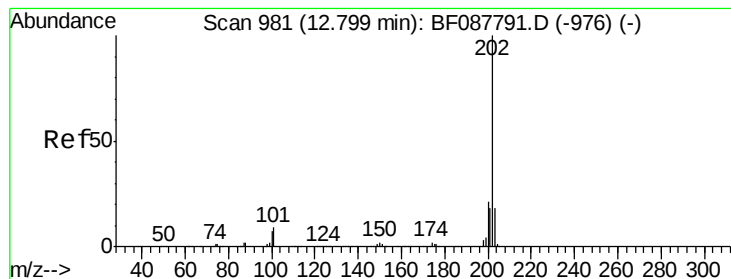


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 49.43 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.06 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Instrument :

BNA_F

ClientSampleId :

SURFACESOILDUP

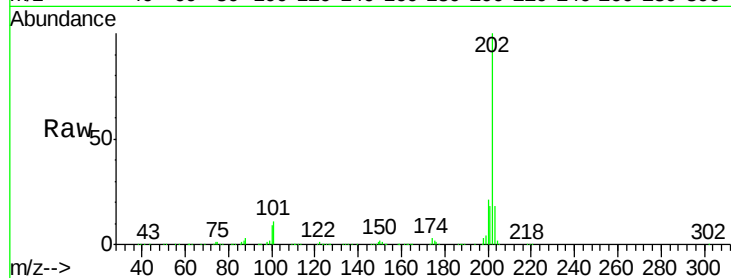
Tot Ion:202 Resp: 637202

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

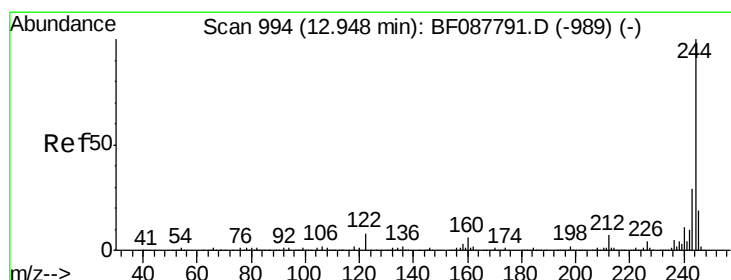
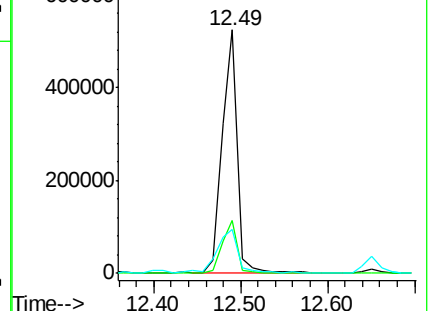
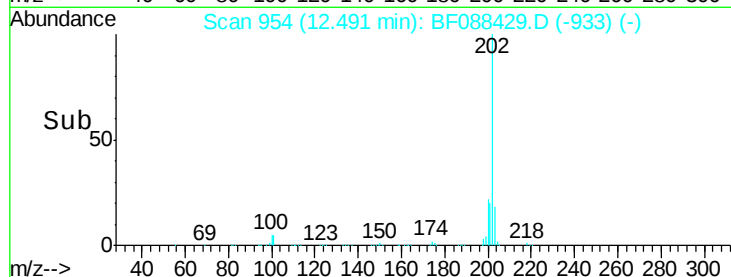
203 17.9 14.5 21.7



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: 32.83 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

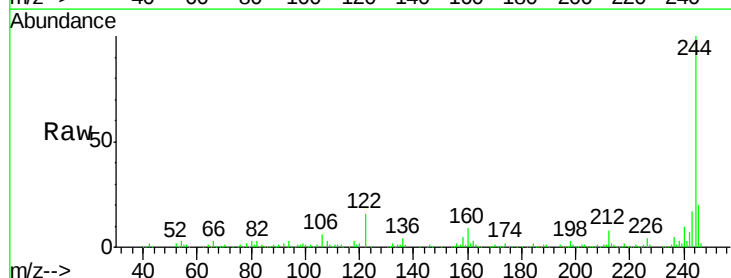
Tgt Ion:244 Resp: 250636

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

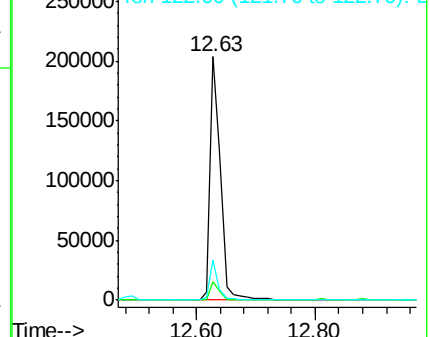
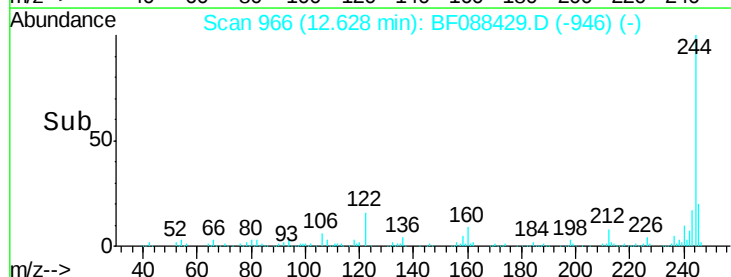
122 16.3 11.2 16.8

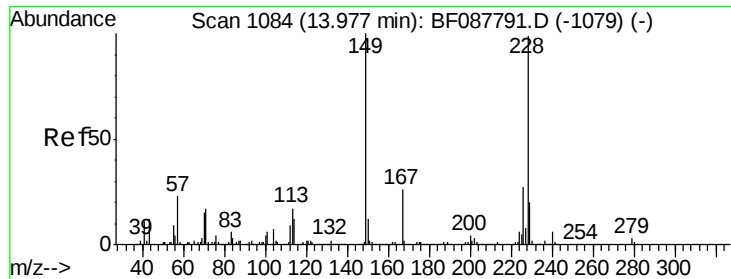


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 39.43 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Instrument :

BNA_F

ClientSampleId :

SURFACESOILDUP

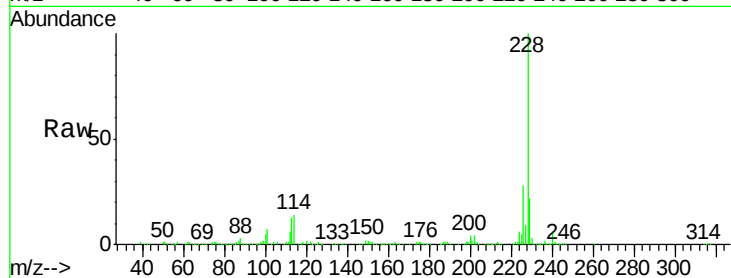
Tot Ion:228 Resp: 390305

Ion Ratio Lower Upper

228 100

226 28.3 22.3 33.5

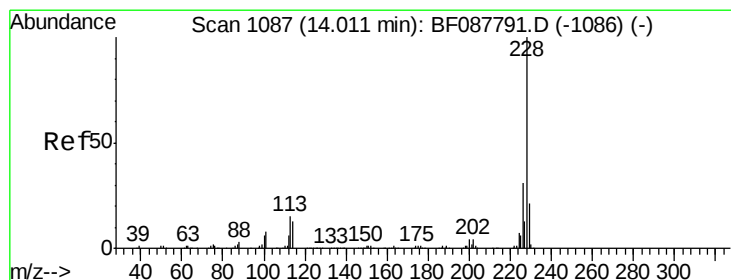
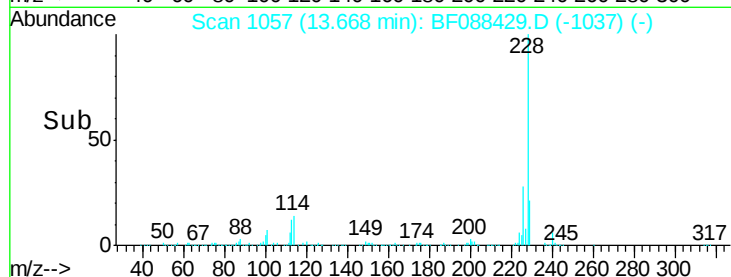
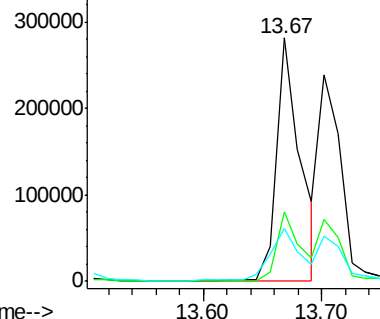
229 21.9 16.0 24.0



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



#82

Chrysene

Concen: 33.04 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

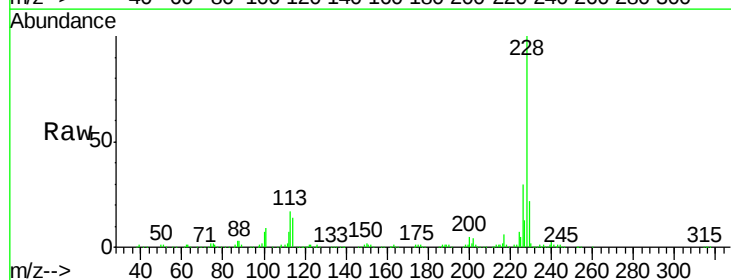
Tgt Ion:228 Resp: 307686

Ion Ratio Lower Upper

228 100

226 30.1 25.4 38.2

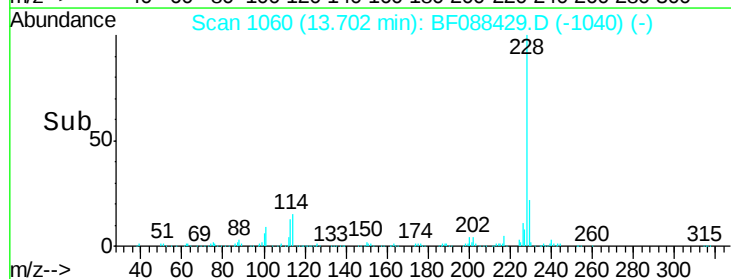
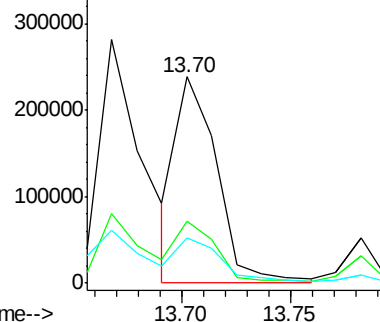
229 21.7 16.3 24.5

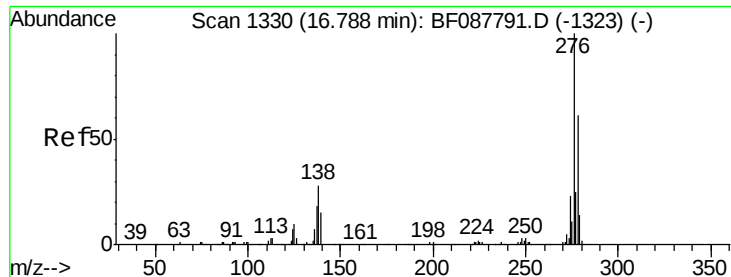


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

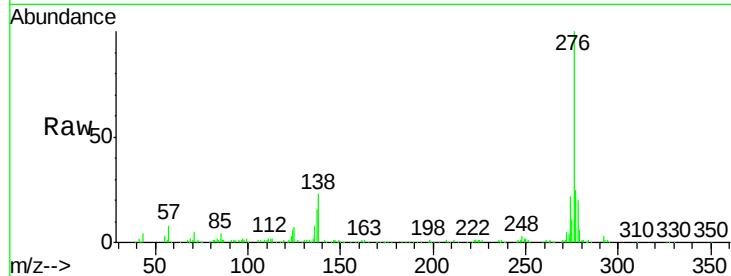




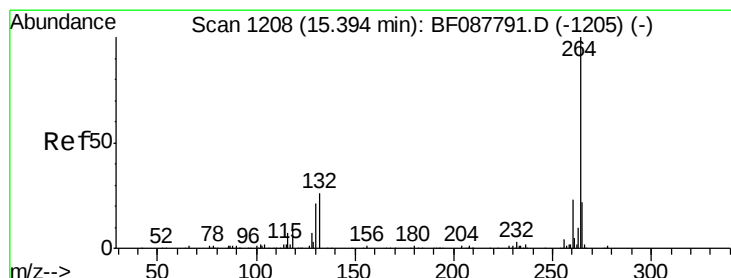
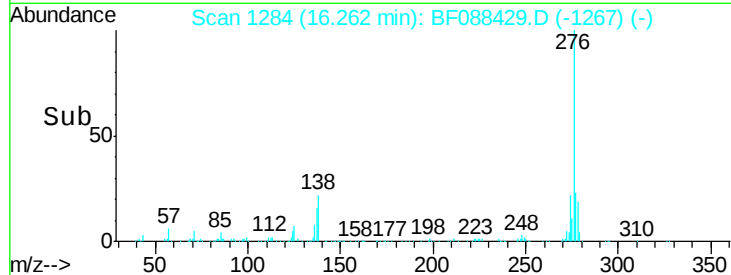
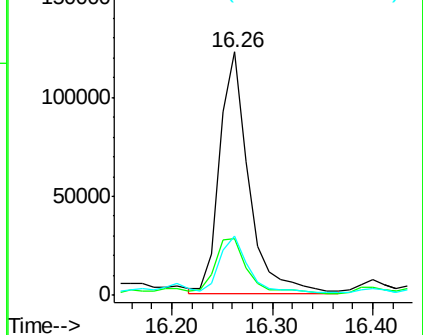
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 28.56 ng
 RT: 16.26 min Scan# 1284
 Delta R.T. -0.10 min
 Lab File: BF088429.D
 Acq: 26 Jun 2016 20:24

Instrument :
 BNA_F
 ClientSampleId :
 SURFACESOILDUP

Tot Ion:276 Resp: 247075
 Ion Ratio Lower Upper
 276 100
 138 28.0 0.0 0.0#
 277 22.4 0.0 0.0#

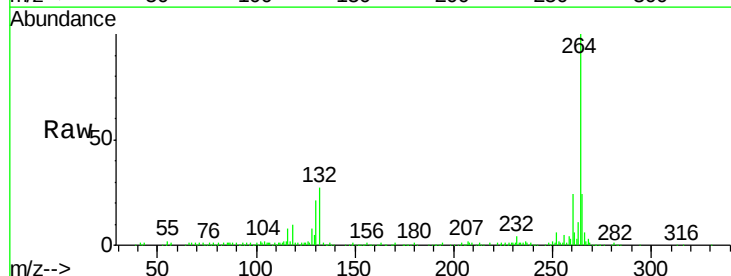


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

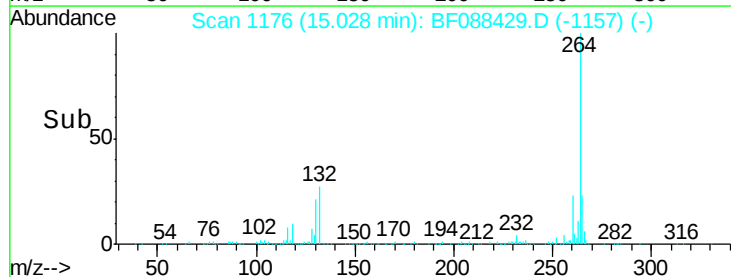
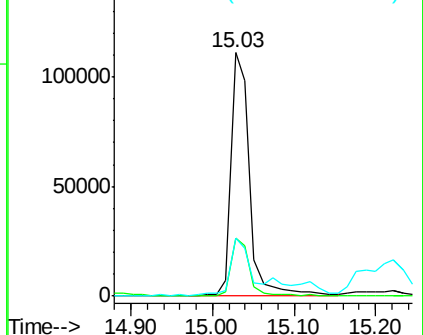


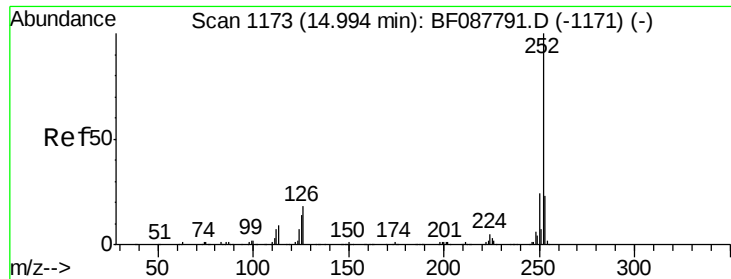
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1176
 Delta R.T. -0.08 min
 Lab File: BF088429.D
 Acq: 26 Jun 2016 20:24

Tgt Ion:264 Resp: 175862
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 23.7 16.9 25.3



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

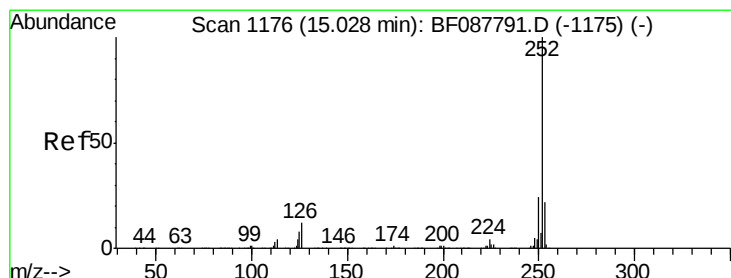
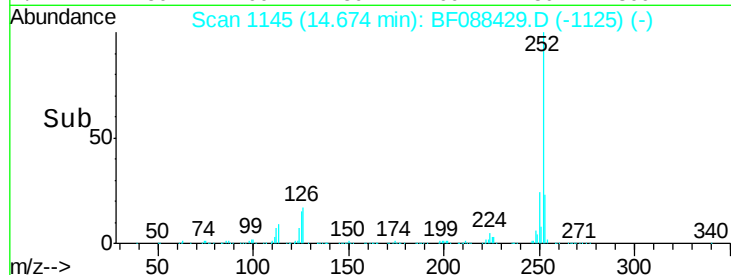
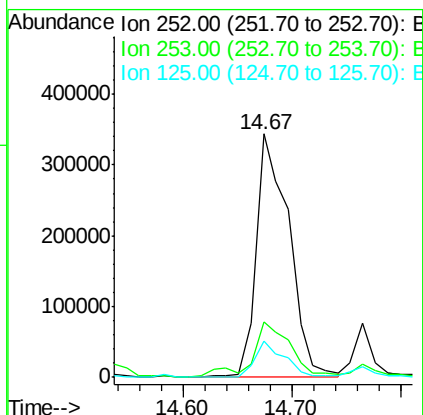
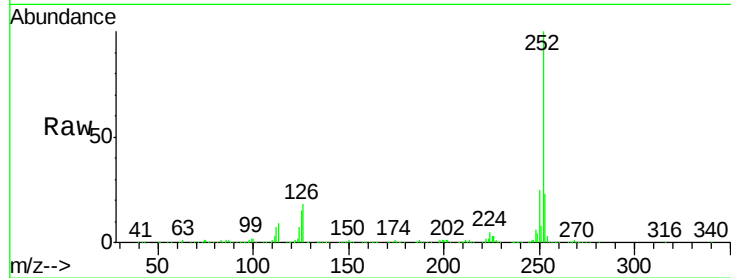




#87
Benzo(b)fluoranthene
Concen: 58.30 ng
RT: 14.67 min Scan# 1145
Delta R.T. -0.07 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

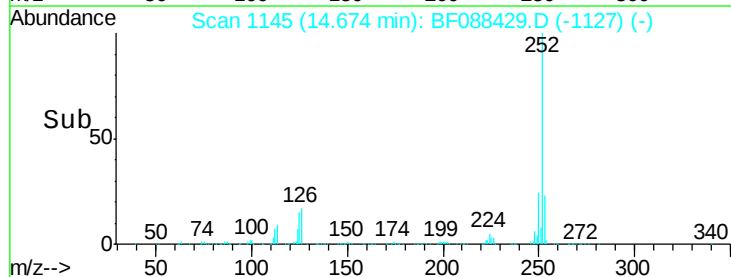
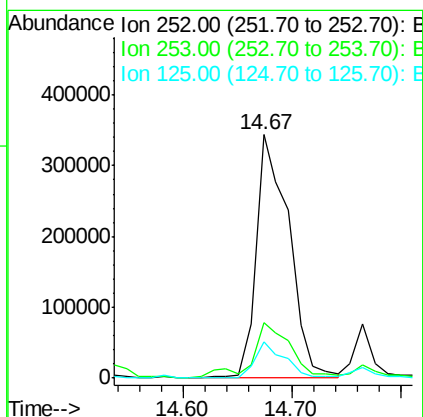
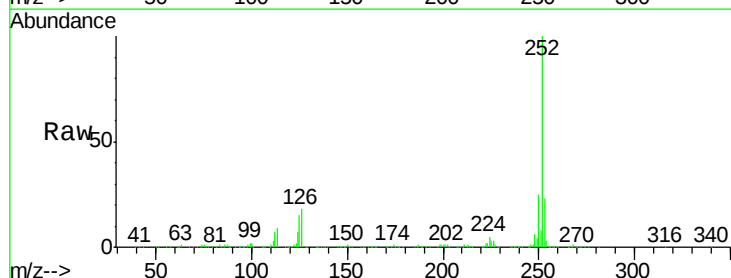
Instrument :
BNA_F
ClientSampleId :
SURFACESOILDUP

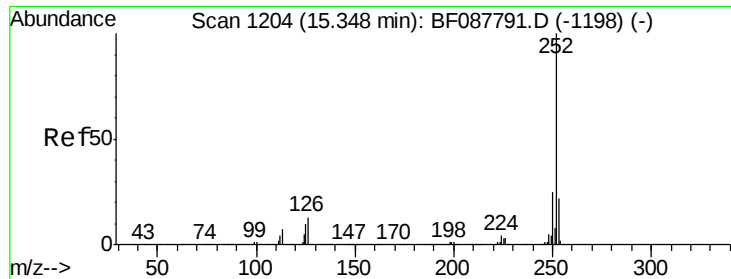
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	14.9	7.1	10.7



#88
Benzo(k)fluoranthene
Concen: 77.28 ng
RT: 14.67 min Scan# 1145
Delta R.T. -0.09 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	14.9	11.2	16.8





#89

Benzo(a)pyrene

Concen: 39.46 ng

RT: 14.98 min Scan# 1172

Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

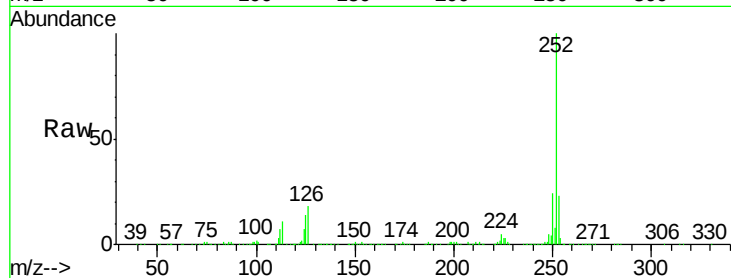
Instrument :

BNA_F

ClientSampleId :

SURFACESOILDUP

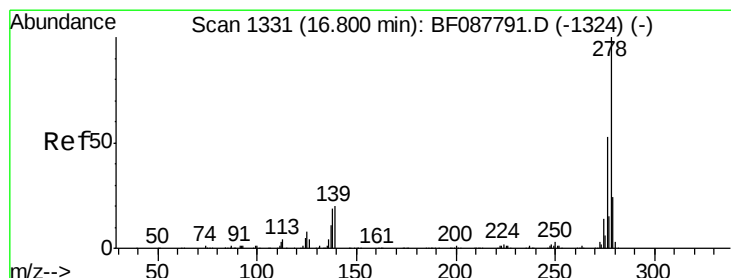
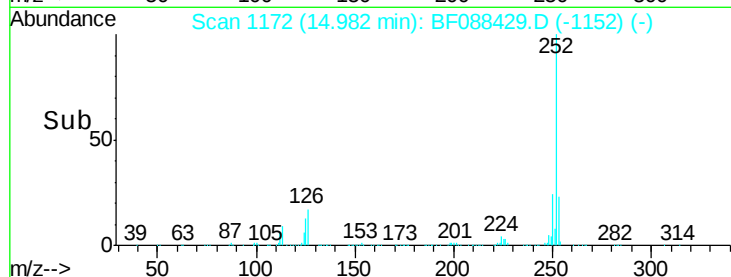
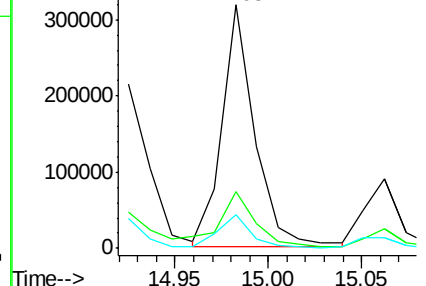
Tot Ion:	252	Resp:	391287
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	14.0	12.5	18.7



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



#90

Dibenzo(a,h)anthracene

Concen: 4.73 ng

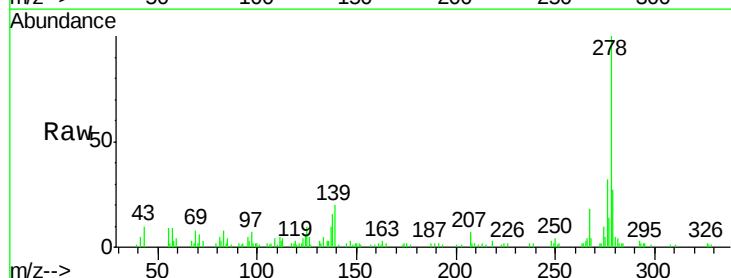
RT: 16.40 min Scan# 1296

Delta R.T. 0.03 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

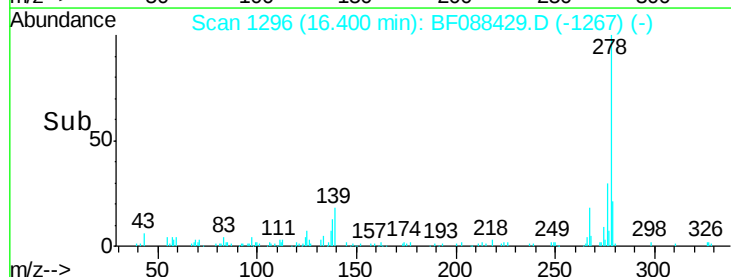
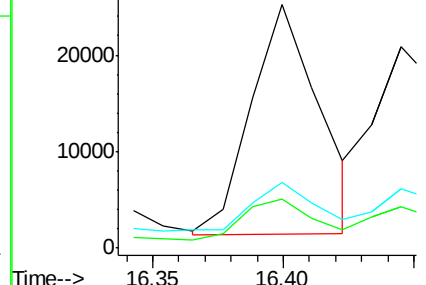
Tgt Ion:	278	Resp:	43535
Ion	Ratio	Lower	Upper
278	100		
139	20.4	15.7	23.5
279	26.8	19.4	29.2

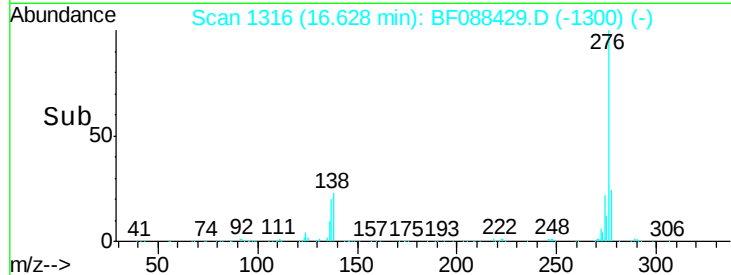
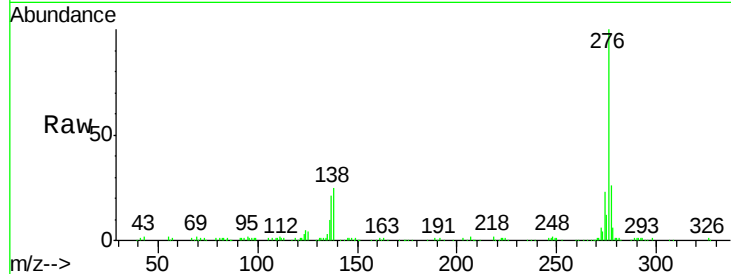
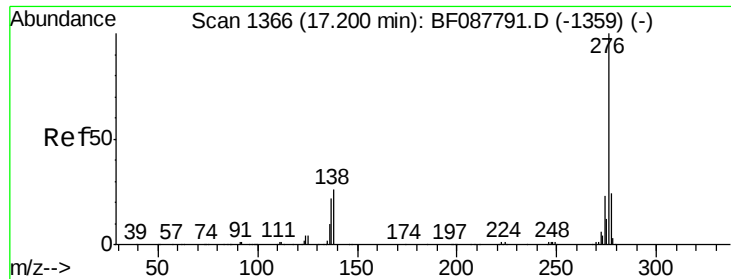


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 23.93 ng
 RT: 16.63 min Scan# 1316
 Delta R.T. -0.11 min
 Lab File: BF088429.D
 Acq: 26 Jun 2016 20:24

Instrument :
 BNA_F
 ClientSampleId :
 SURFACESOILDUP

Tot Ion:	276	Resp:	226763
Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.9	28.3
138	25.1	21.4	32.2

