

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071117\
 Data File : BF096636.D
 Acq On : 11 Jul 2017 11:26
 Operator : SJ/JU
 Sample : I3992-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLINTON-NJ-QUARRY-STONE-DUS

Quant Time: Jul 11 16:52:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	109620	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	463099	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	217687	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	315154	20.00	ng	-0.02
75) Chrysene-d12	13.82	240	204786	20.00	ng	-0.02
86) Perylene-d12	15.23	264	201072	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	682754	91.93	ng	0.00
7) Phenol-d6	6.33	99	828551	90.75	ng	-0.02
23) Nitrobenzene-d5	7.25	82	486576	63.14	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	155135	91.23	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	941963	73.98	ng	-0.02
78) Terphenyl-d14	12.78	244	560031	58.44	ng	-0.02

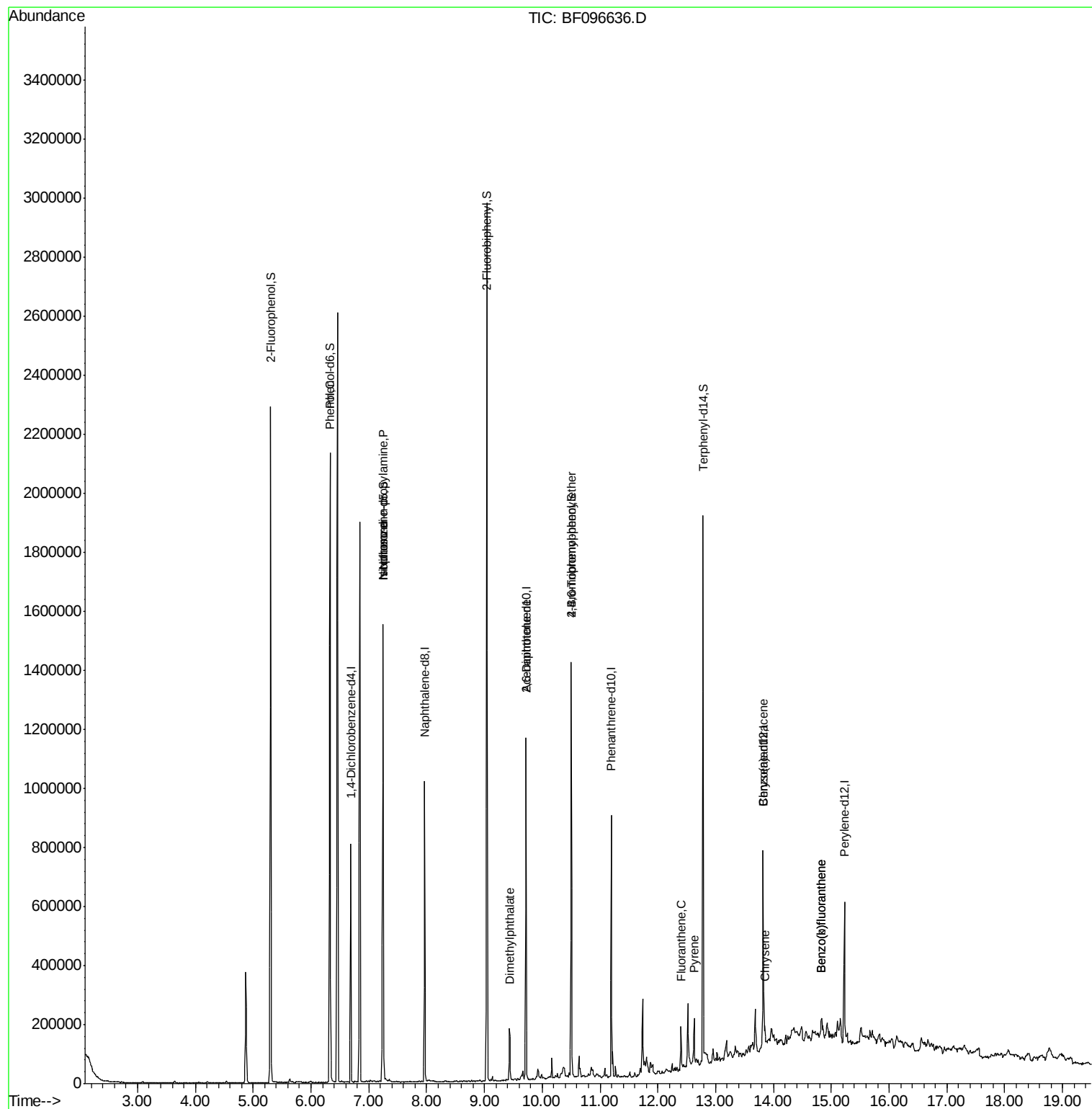
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.34	94	24597	2.365	ng	98
19) n-Nitroso-di-n-propylamine	7.25	70	65166	11.980	ng	# 87
25) Isophorone	7.25	82	485646	32.501	ng	# 67
49) Dimethylphthalate	9.43	163	66736	4.107	ng	99
50) 2,6-Dinitrotoluene	9.72	165	27298	7.596	ng	# 34
66) 4-Bromophenyl-phenylether	10.50	248	10200	3.325	ng	# 1
74) Fluoranthene	12.40	202	57420	3.438	ng	99
77) Pyrene	12.63	202	55013	3.347	ng	98
80) Benzo(a)anthracene	13.82	228	24455	2.062	ng	96
82) Chrysene	13.85	228	25285	2.036	ng	96
87) Benzo(b)fluoranthene	14.83	252	40764	3.235	ng	# 92
88) Benzo(k)fluoranthene	14.83	252	40764	3.617	ng	# 96

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

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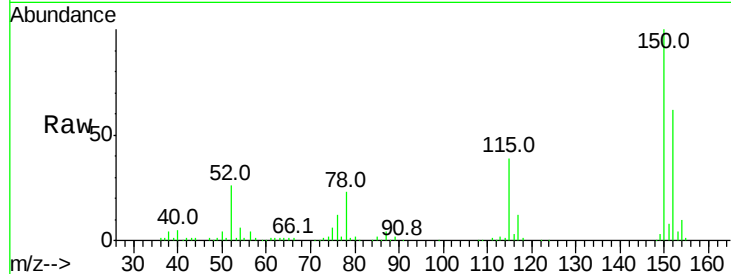


#1

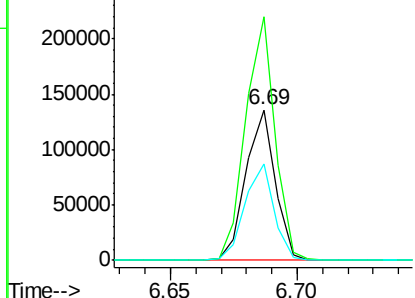
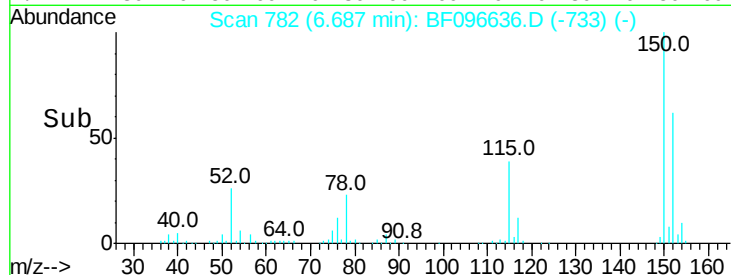
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF096636.D
 Acq: 11 Jul 2017 11:26

Instrument :
 BNA_F
 ClientSampleId :
 CLINTON-NJ-QUARRY-STONE-DUS

Tot Ion:152 Resp: 109620
 Ion Ratio Lower Upper
 152 100
 150 161.4 126.2 189.2
 115 63.8 52.2 78.2



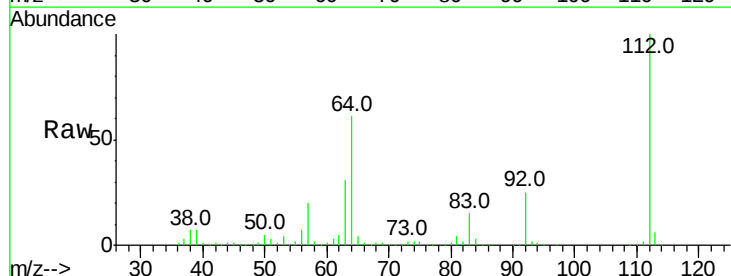
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



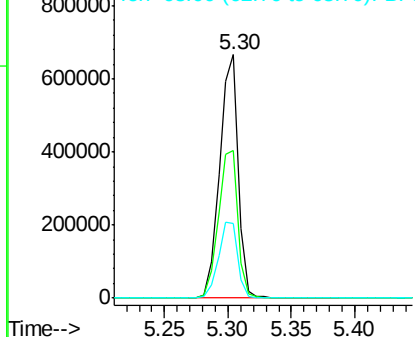
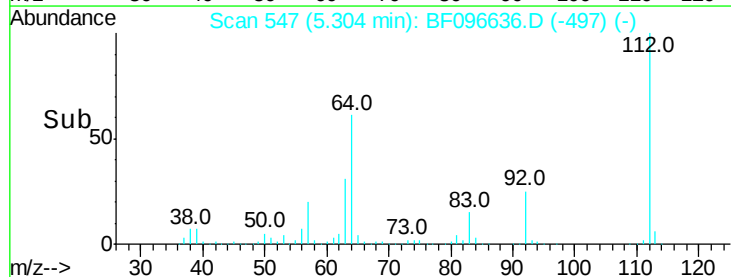
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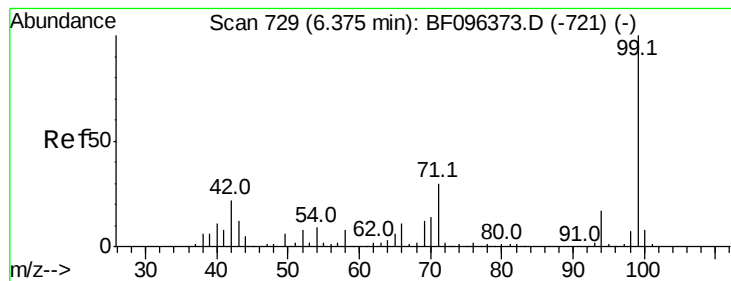
2-Fluorophenol
 Concen: 91.929 ng
 RT: 5.30 min Scan# 547
 Delta R.T. -0.01 min
 Lab File: BF096636.D
 Acq: 11 Jul 2017 11:26

Tgt Ion:112 Resp: 682754
 Ion Ratio Lower Upper
 112 100
 64 60.7 46.0 69.0
 63 30.6 23.4 35.0



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: 90.746 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096636.D

Acq: 11 Jul 2017 11:26

Instrument :

BNA_F

ClientSampleId :

CLINTON-NJ-QUARRY-STONE-DUS

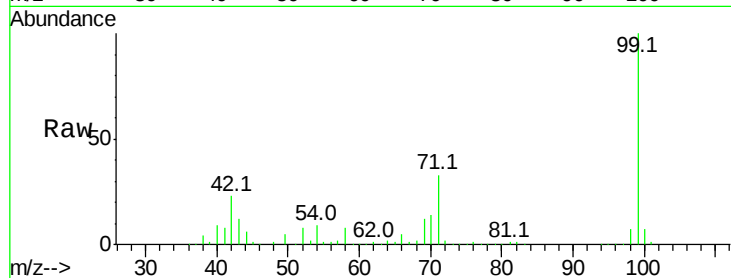
Tot Ion: 99 Resp: 828551

Ion Ratio Lower Upper

99 100

42 22.8 13.5 20.3#

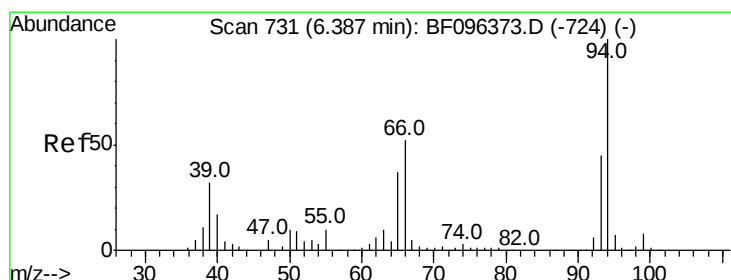
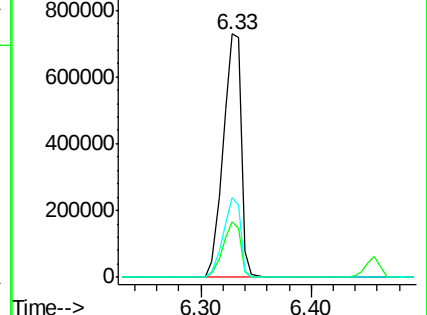
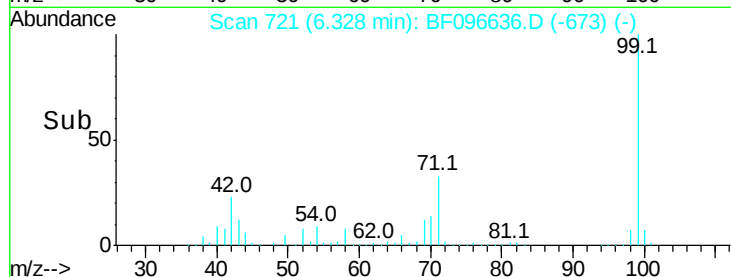
71 32.7 24.5 36.7



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: 2.365 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF096636.D

Acq: 11 Jul 2017 11:26

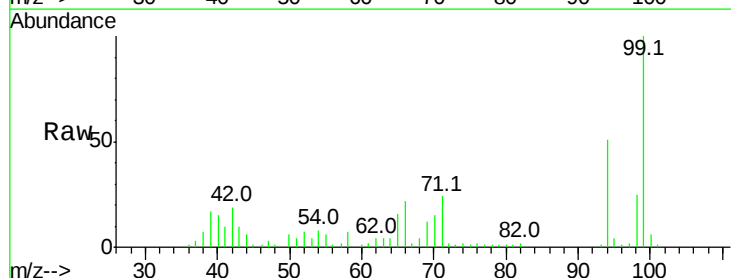
Tgt Ion: 94 Resp: 24597

Ion Ratio Lower Upper

94 100

65 32.2 9.9 49.9

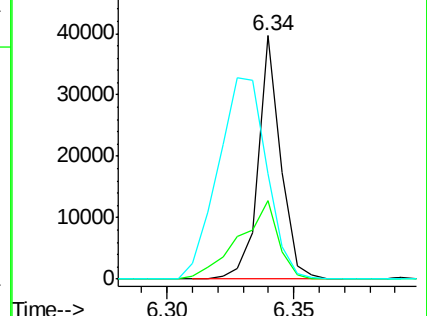
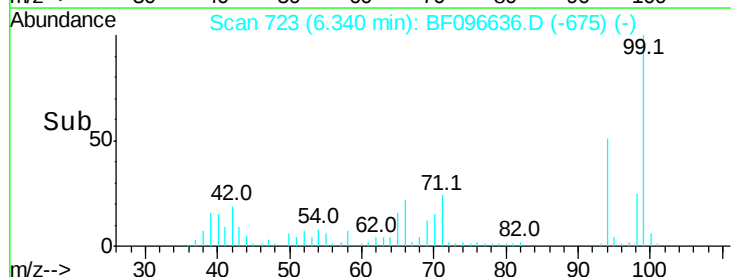
66 43.4 23.1 63.1

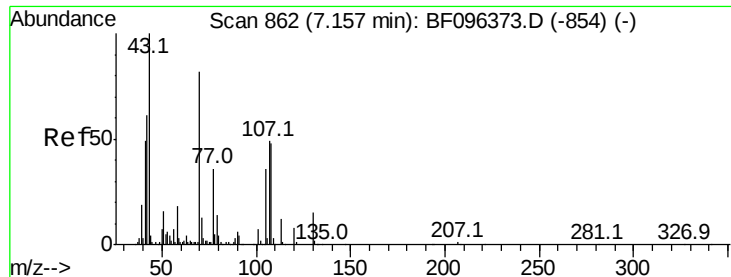


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

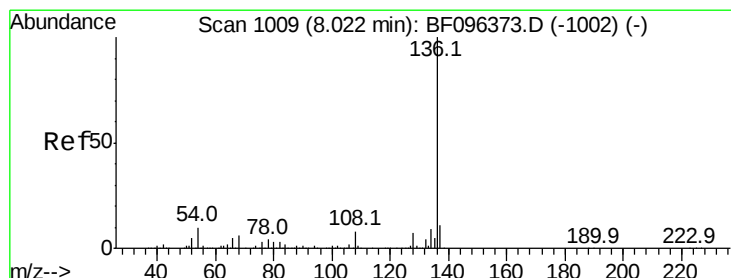
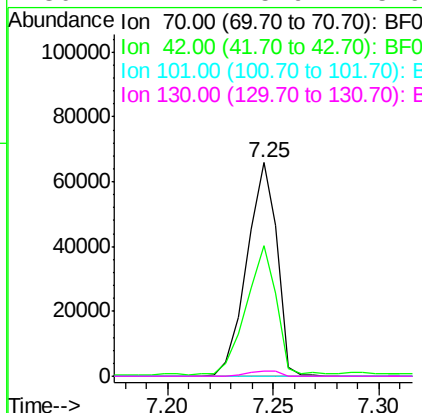
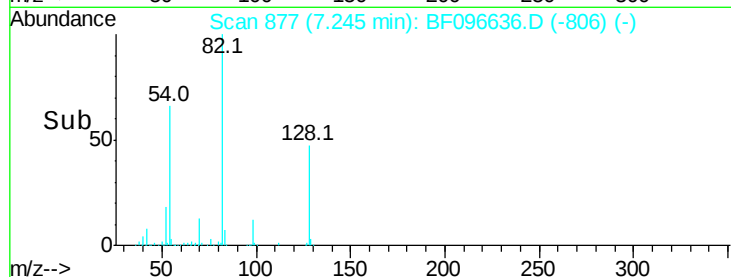
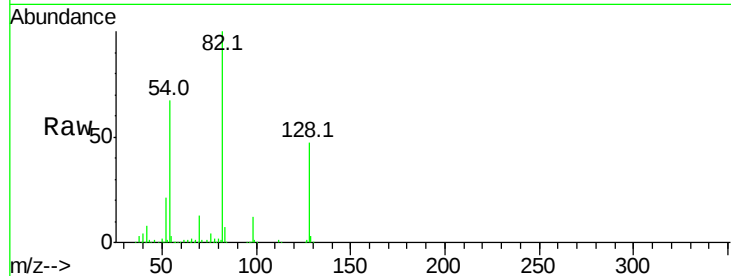




#19
n-Nitroso-di-n-propylamine
Concen: 11.980 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.12 min
Lab File: BF096636.D
Acq: 11 Jul 2017 11:26

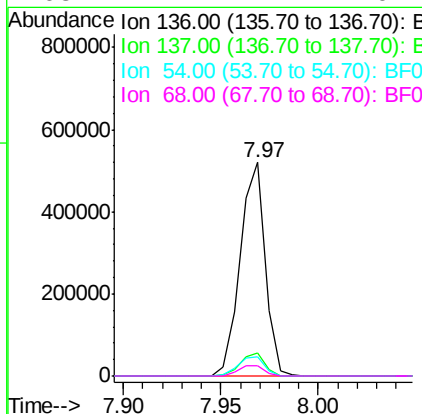
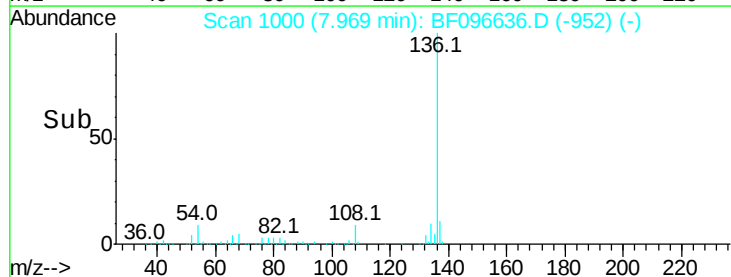
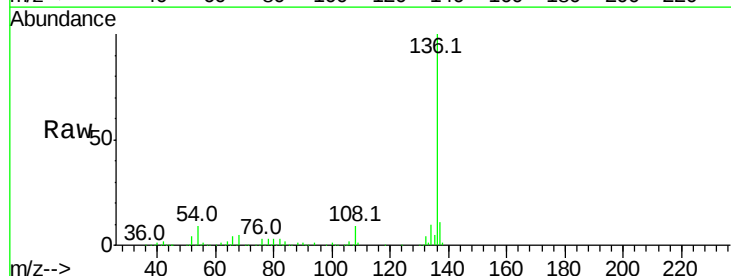
Instrument :
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ClientSampleId :
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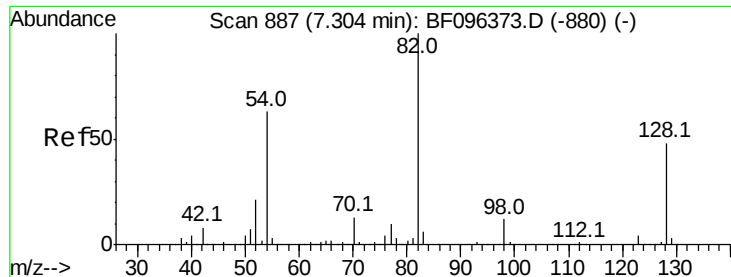
Tot Ion: 70 Resp: 65166
Ion Ratio Lower Upper
70 100
42 61.3 47.2 70.8
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF096636.D
Acq: 11 Jul 2017 11:26

Tgt Ion:136 Resp: 463099
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 9.2 4.9 7.3#
68 4.7 4.1 6.1

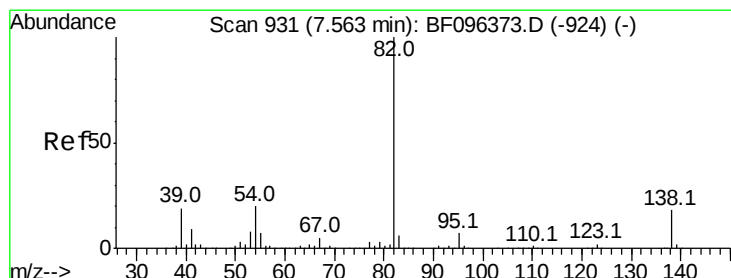
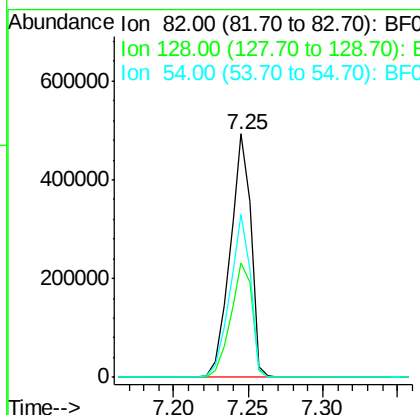
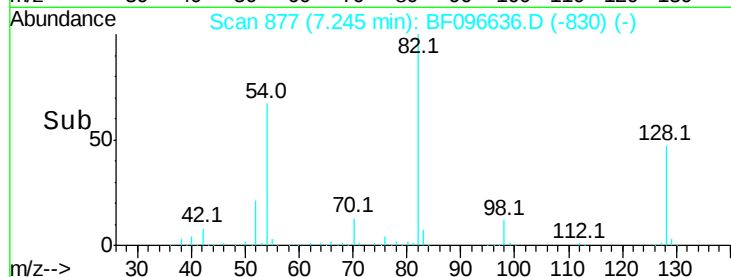
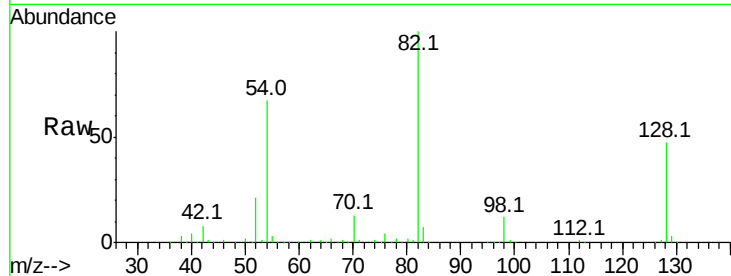




#23
Nitrobenzene-d5
Concen: 63.137 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.02 min
Lab File: BF096636.D
Acq: 11 Jul 2017 11:26

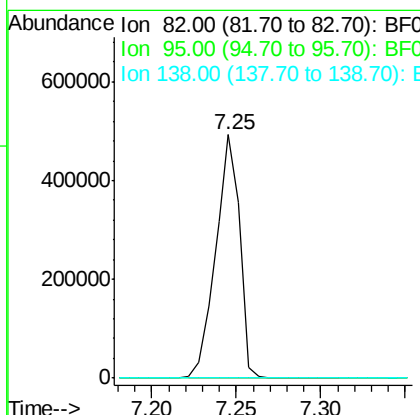
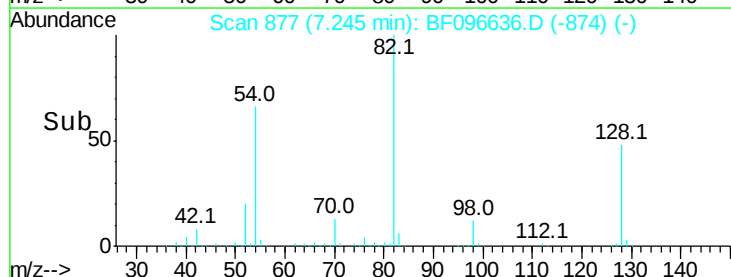
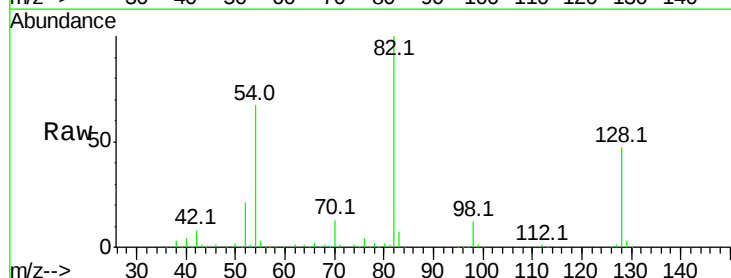
Instrument :
BNA_F
ClientSampleId :
CLINTON-NJ-QUARRY-STONE-DUS

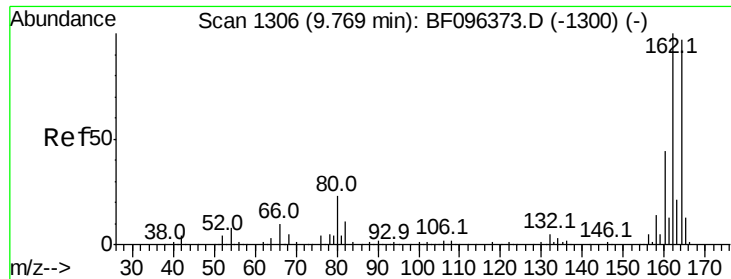
Tot Ion: 82 Resp: 486576
Ion Ratio Lower Upper
82 100
128 47.2 34.0 51.0
54 66.7 42.2 63.2#



#25
Isophorone
Concen: 32.501 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.28 min
Lab File: BF096636.D
Acq: 11 Jul 2017 11:26

Tgt Ion: 82 Resp: 485646
Ion Ratio Lower Upper
82 100
95 0.1 5.3 7.9#
138 0.0 13.1 19.7#

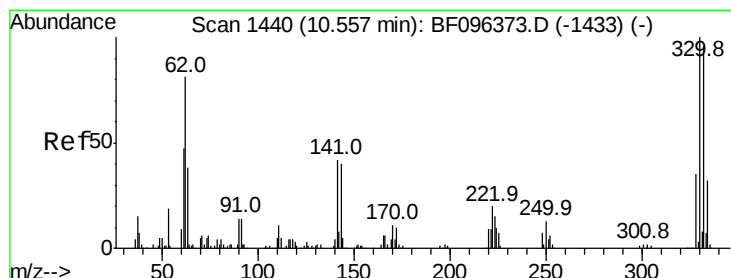
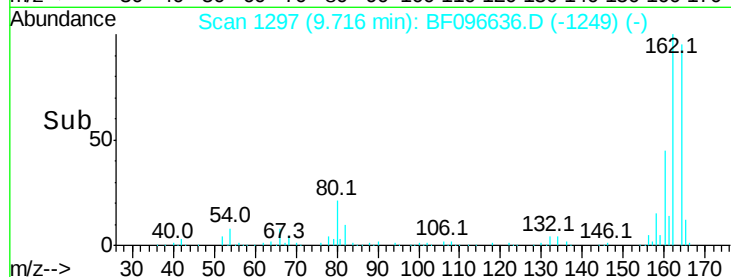
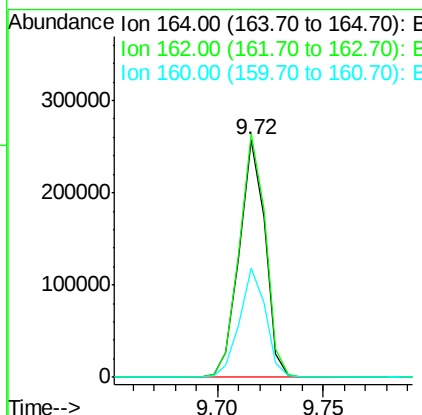
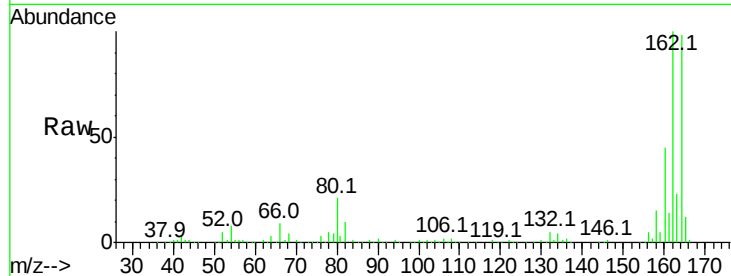




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF096636.D
 Acq: 11 Jul 2017 11:26

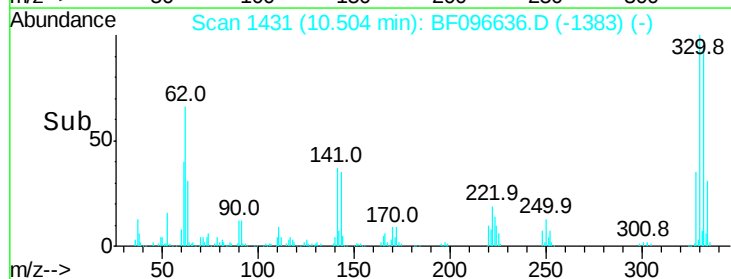
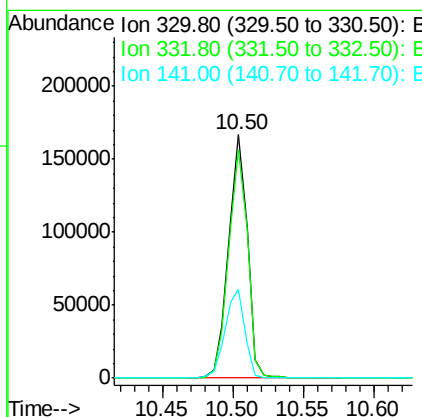
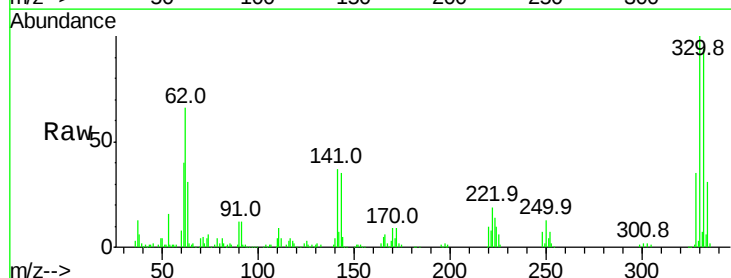
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 BNA_F
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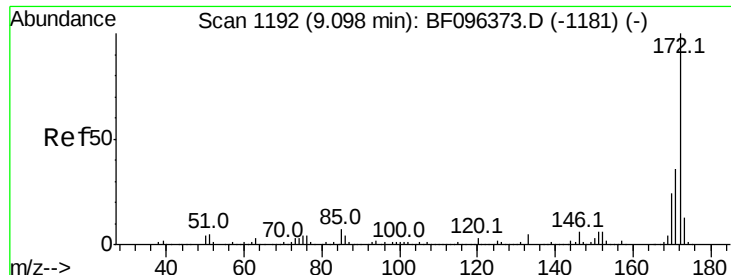
Tot Ion:164 Resp: 217687
 Ion Ratio Lower Upper
 164 100
 162 102.4 82.6 123.8
 160 46.1 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 91.234 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096636.D
 Acq: 11 Jul 2017 11:26

Tgt Ion:330 Resp: 155135
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.6 115.0
 141 38.1 31.4 47.2

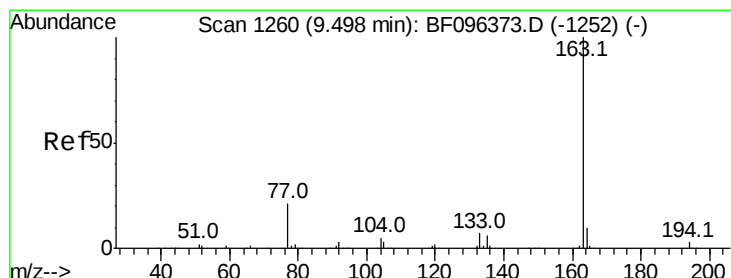
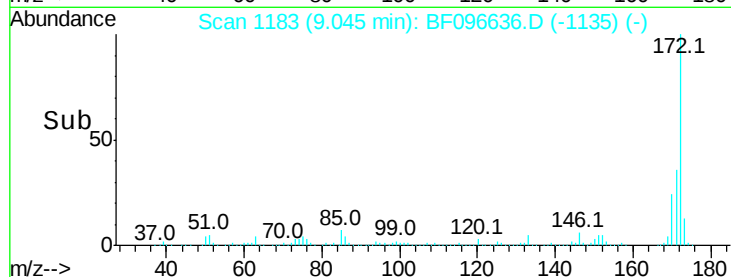
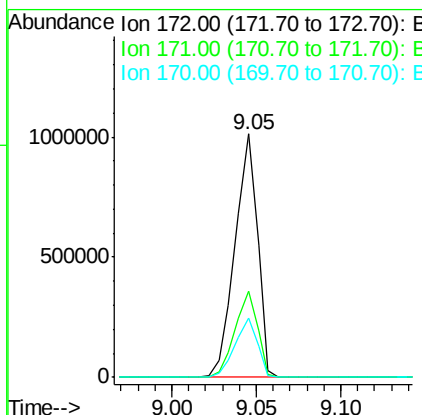
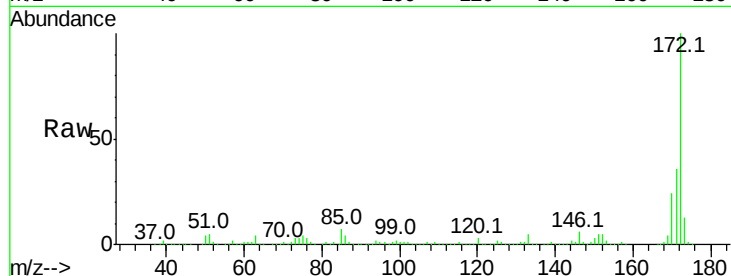




#44
 2-Fluorobiphenyl
 Concen: 73.984 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF096636.D
 Acq: 11 Jul 2017 11:26

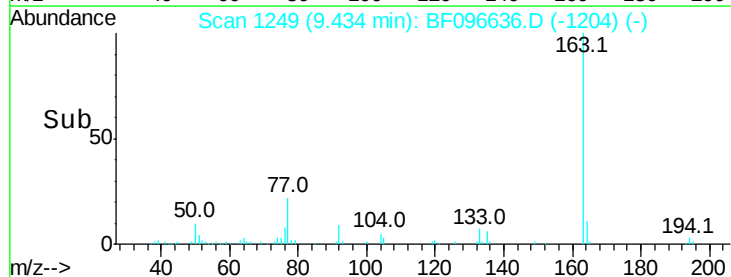
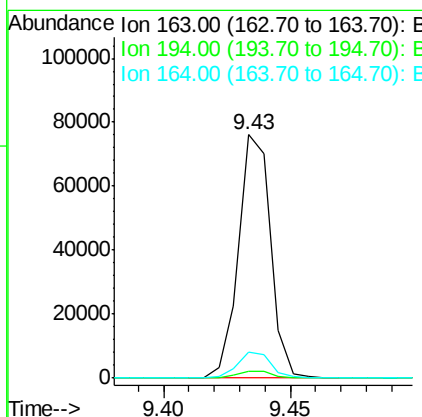
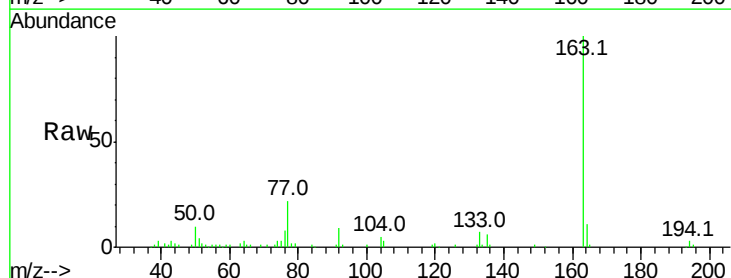
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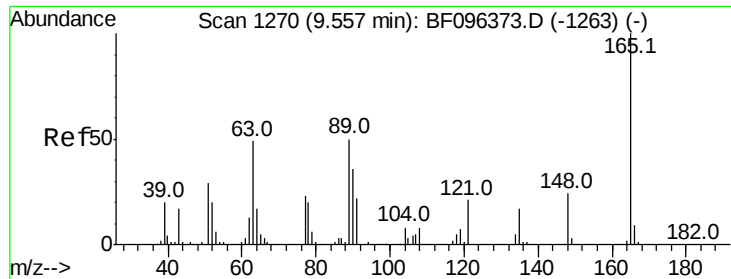
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	24.2	19.8	29.8



#49
 Dimethylphthalate
 Concen: 4.107 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. -0.04 min
 Lab File: BF096636.D
 Acq: 11 Jul 2017 11:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.7	2.6	4.0
164	10.6	8.4	12.6





#50

2,6-Dinitrotoluene

Concen: 7.596 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.19 min

Lab File: BF096636.D

Acq: 11 Jul 2017 11:26

Instrument :

BNA_F

ClientSampleId :

CLINTON-NJ-QUARRY-STONE-DUS

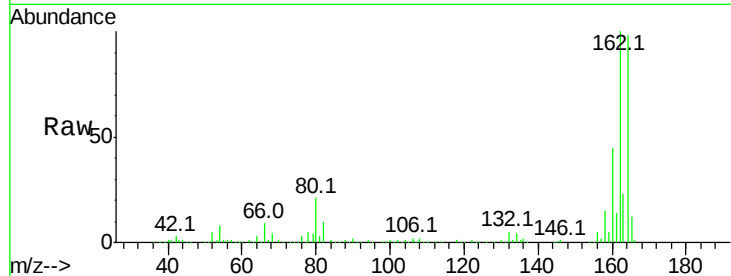
Tot Ion:165 Resp: 27298

Ion Ratio Lower Upper

165 100

63 2.5 34.3 51.5#

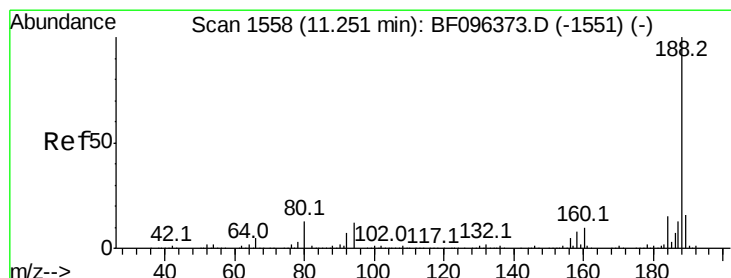
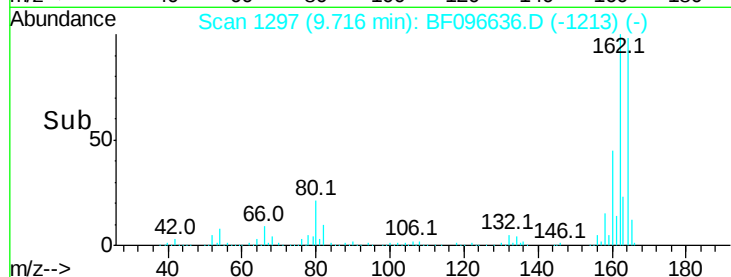
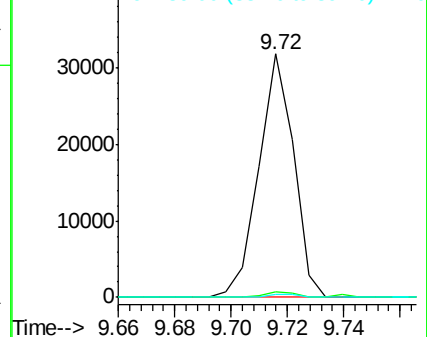
89 1.4 37.1 55.7#



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.02 min

Lab File: BF096636.D

Acq: 11 Jul 2017 11:26

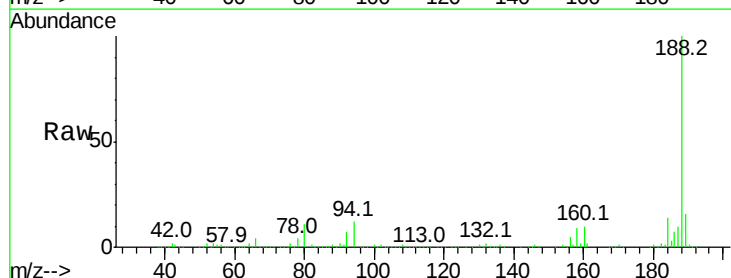
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Ion Ratio Lower Upper

188 100

94 11.8 9.4 14.2

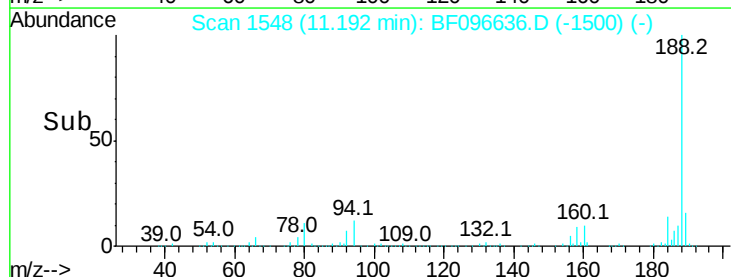
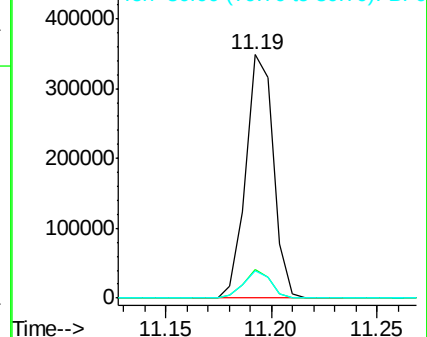
80 11.4 10.2 15.2

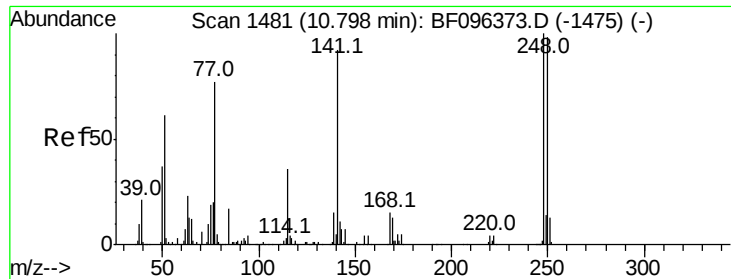


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

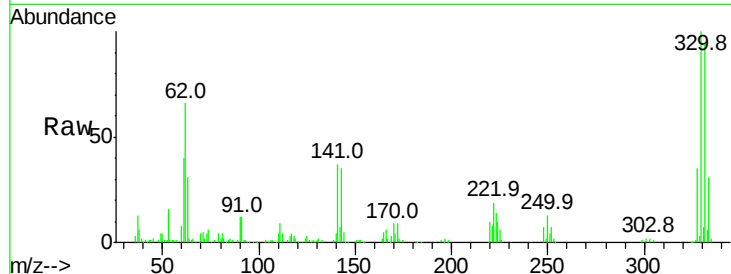




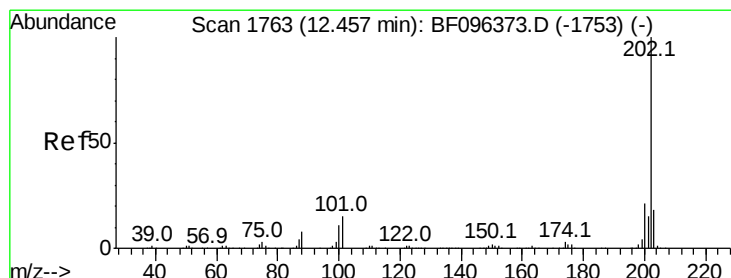
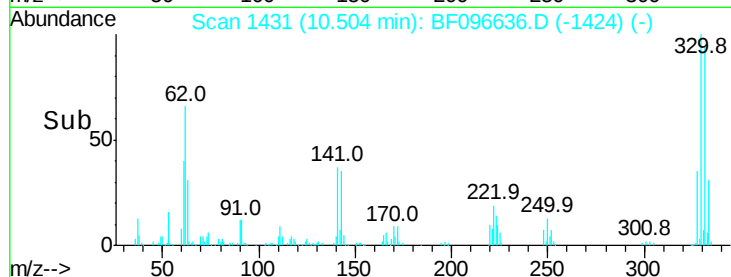
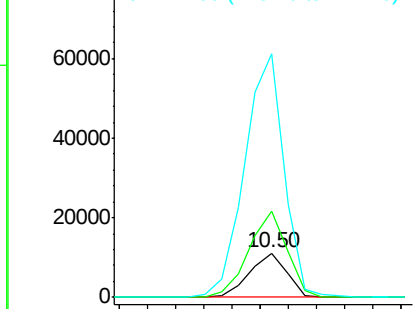
#66
4-Bromophenyl-phenylether
Concen: 3.325 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.26 min
Lab File: BF096636.D
Acq: 11 Jul 2017 11:26

Instrument :
BNA_F
ClientSampleId :
CLINTON-NJ-QUARRY-STONE-DUS

Tot Ion:248 Resp: 10200
Ion Ratio Lower Upper
248 100
250 194.1 76.8 115.2#
141 551.0 68.6 103.0#

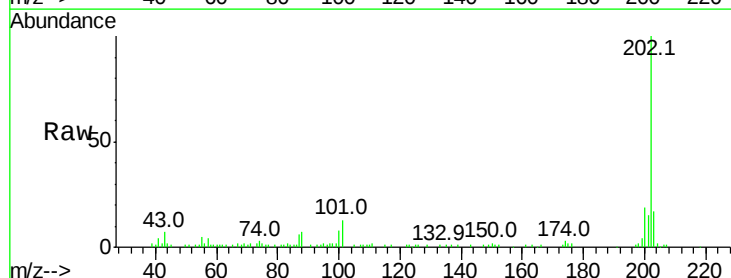


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

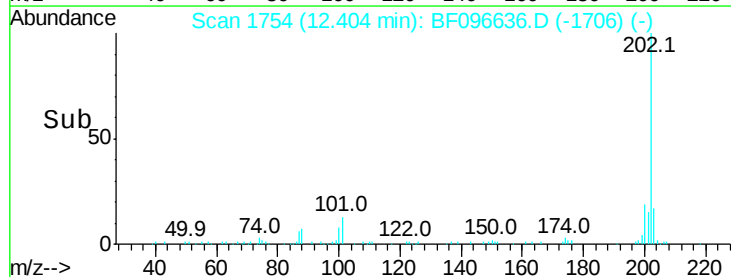
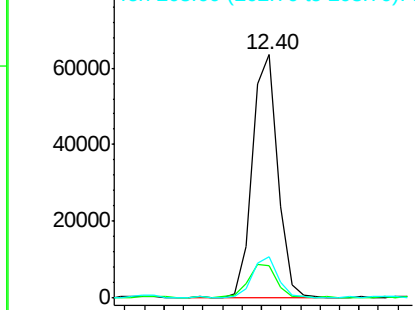


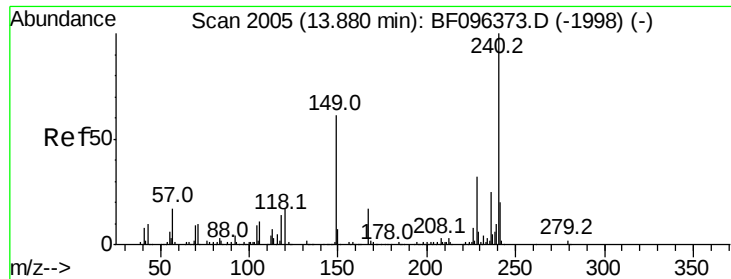
#74
Fluoranthene
Concen: 3.438 ng
RT: 12.40 min Scan# 1754
Delta R.T. -0.02 min
Lab File: BF096636.D
Acq: 11 Jul 2017 11:26

Tgt Ion:202 Resp: 57420
Ion Ratio Lower Upper
202 100
101 13.1 0.0 33.2
203 17.2 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: 20.000 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF096636.D

Acq: 11 Jul 2017 11:26

Instrument :

BNA_F

ClientSampleId :

CLINTON-NJ-QUARRY-STONE-DUS

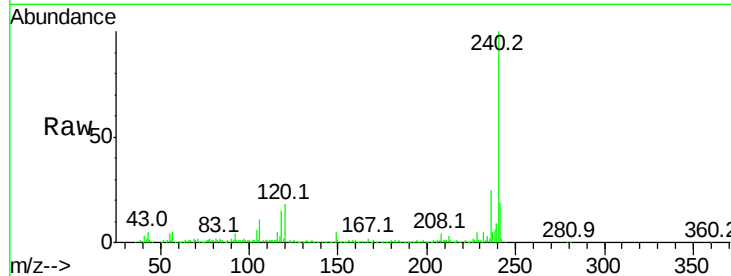
Tot Ion:240 Resp: 204786

Ion Ratio Lower Upper

240 100

120 17.6 5.8 8.8#

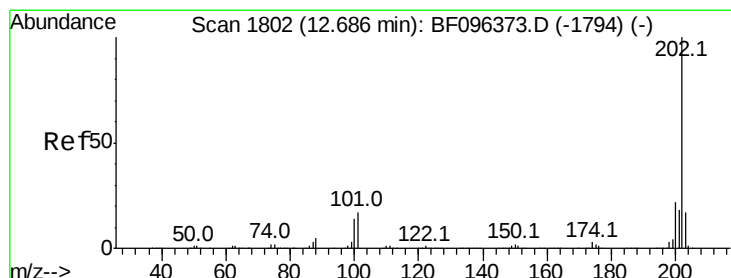
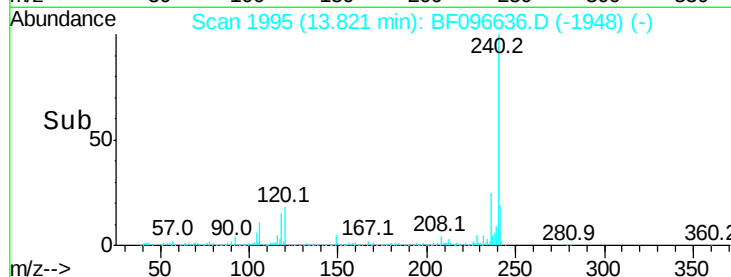
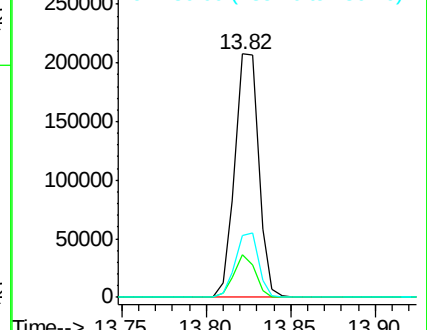
236 25.3 20.5 30.7



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: 3.347 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BF096636.D

Acq: 11 Jul 2017 11:26

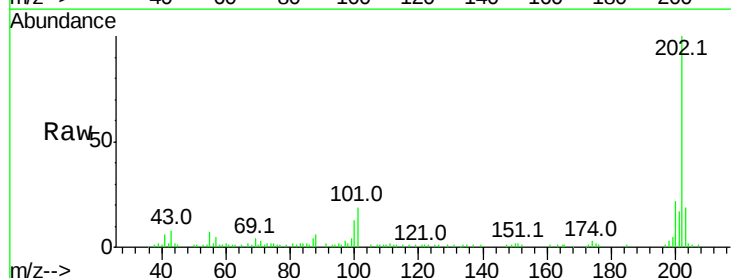
Tgt Ion:202 Resp: 55013

Ion Ratio Lower Upper

202 100

200 22.5 17.6 26.4

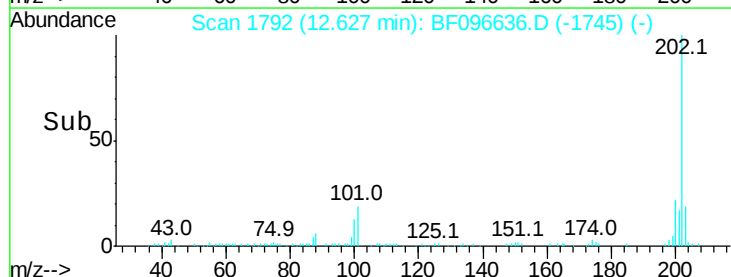
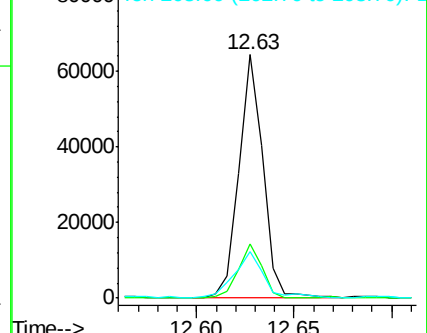
203 19.0 14.4 21.6

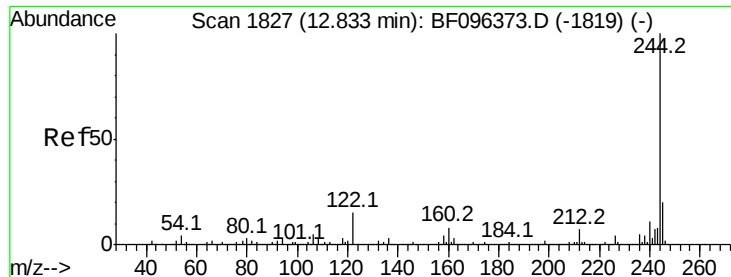


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 58.436 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF096636.D

Acq: 11 Jul 2017 11:26

Instrument :

BNA_F

ClientSampleId :

CLINTON-NJ-QUARRY-STONE-DUS

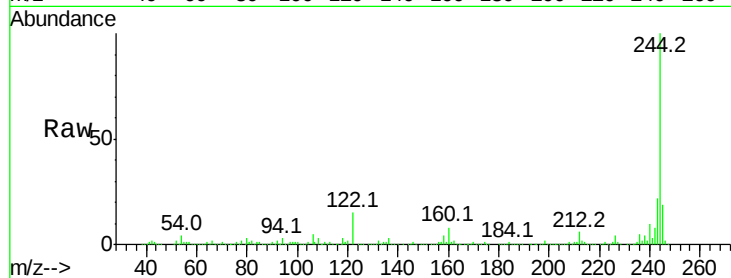
Tot Ion:244 Resp: 560031

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

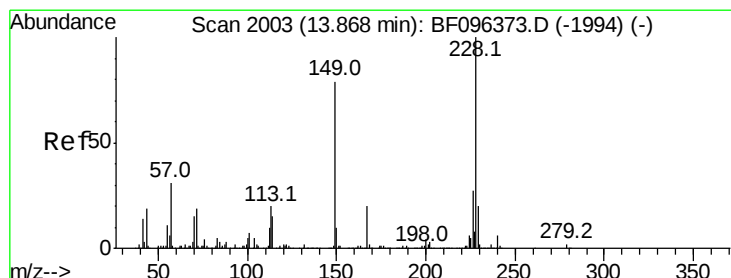
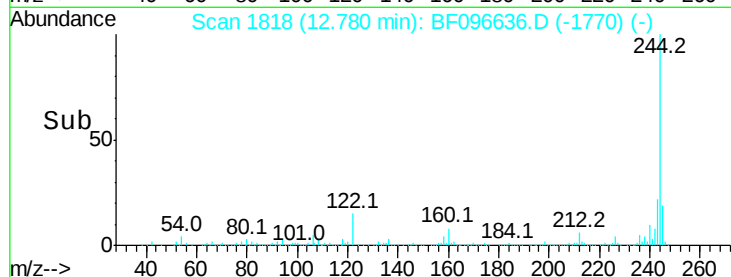
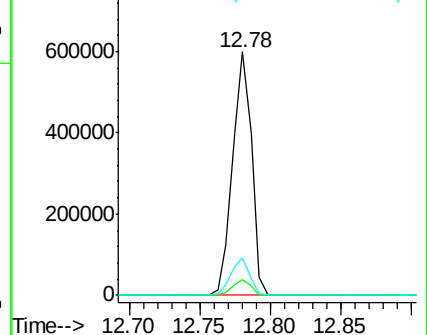
122 15.2 10.3 15.5



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: 2.062 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF096636.D

Acq: 11 Jul 2017 11:26

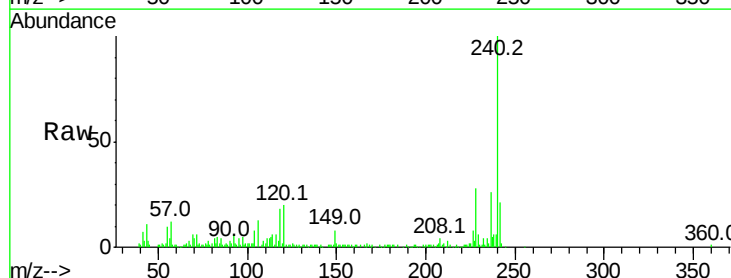
Tgt Ion:228 Resp: 24455

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

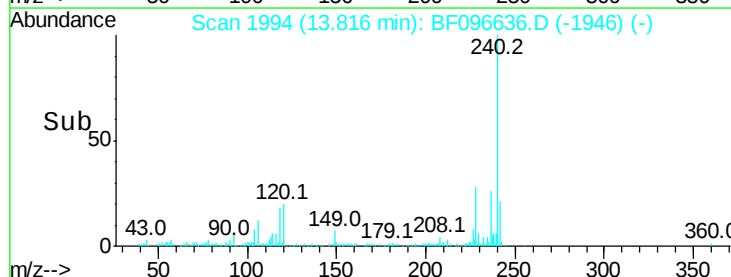
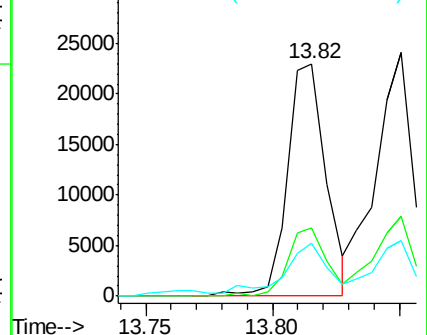
229 22.8 16.3 24.5

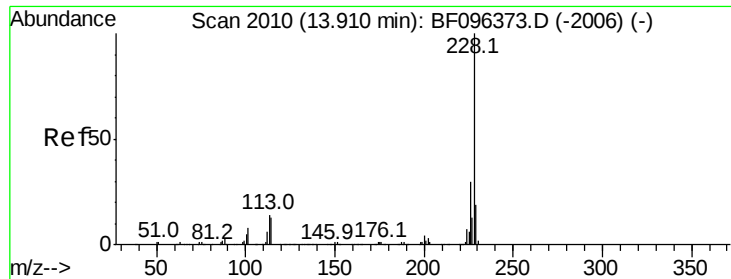


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

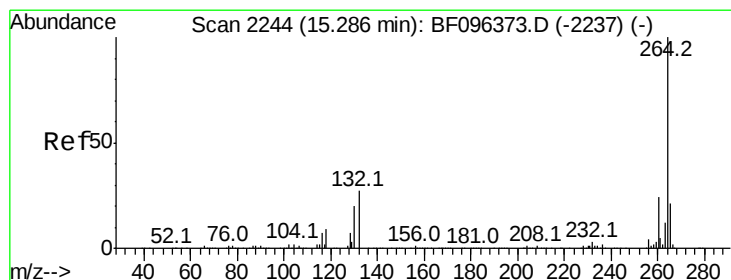
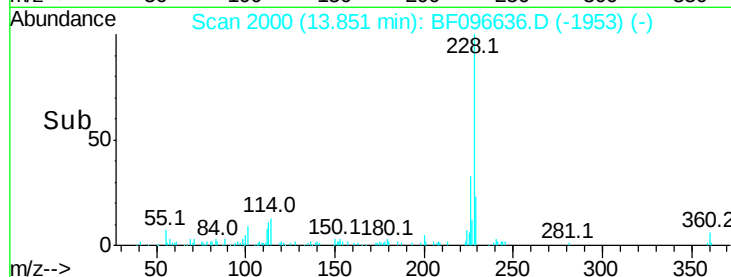
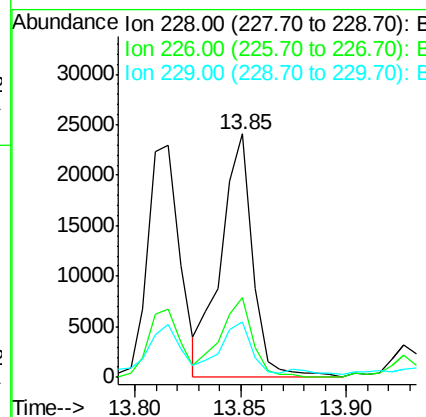
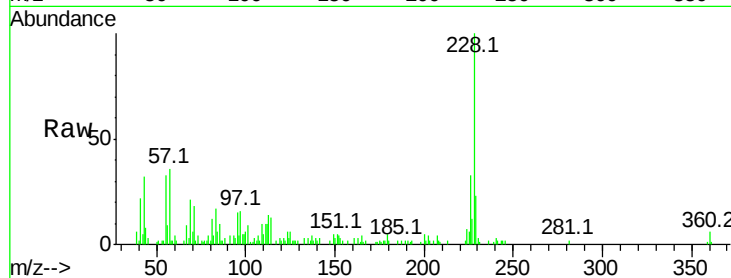




#82
Chrysene
Concen: 2.036 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BF096636.D
Acq: 11 Jul 2017 11:26

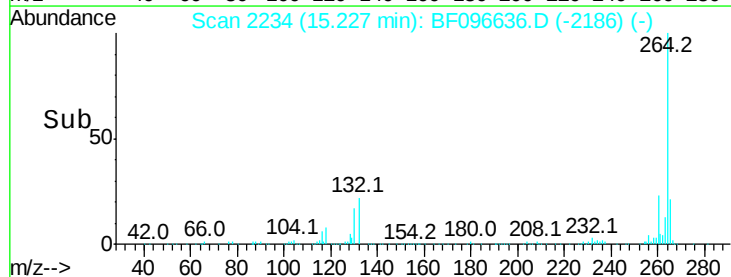
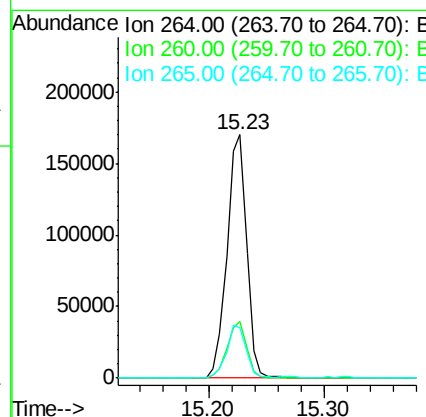
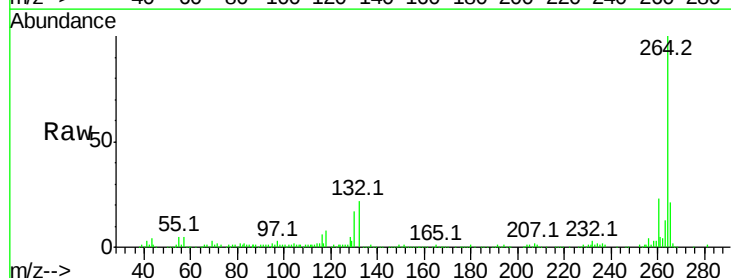
Instrument :
BNA_F
ClientSampleId :
CLINTON-NJ-QUARRY-STONE-DUS

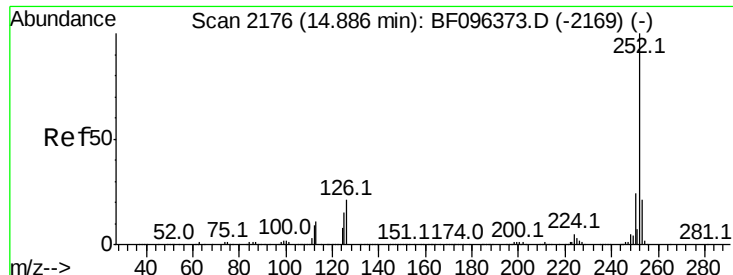
Tot Ion:228 Resp: 25285
Ion Ratio Lower Upper
228 100
226 32.6 24.9 37.3
229 22.8 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF096636.D
Acq: 11 Jul 2017 11:26

Tgt Ion:264 Resp: 201072
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 20.9 17.2 25.8

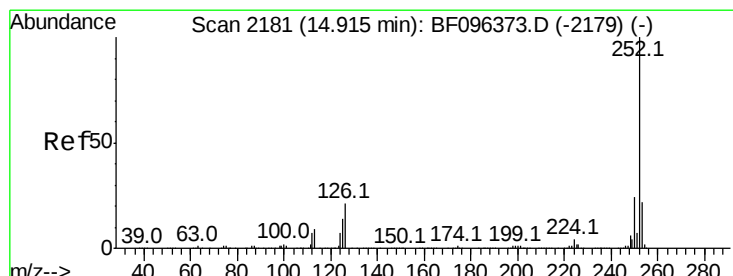
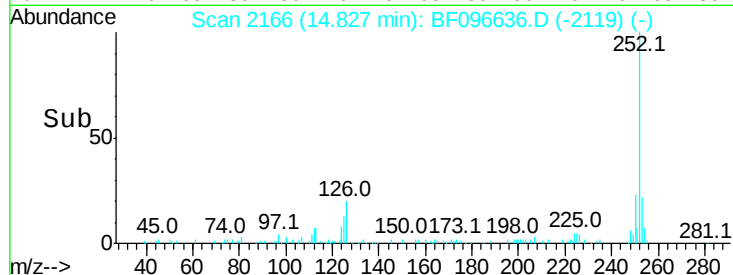
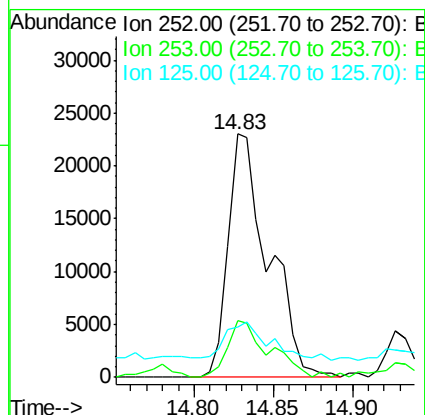
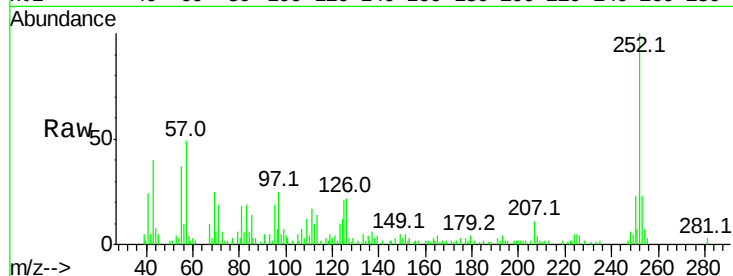




#87
Benzo(b)fluoranthene
Concen: 3.235 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BF096636.D
Acq: 11 Jul 2017 11:26

Instrument :
BNA_F
ClientSampleId :
CLINTON-NJ-QUARRY-STONE-DUS

Tot Ion:252 Resp: 40764
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 20.7 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 3.617 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.05 min
Lab File: BF096636.D
Acq: 11 Jul 2017 11:26

Tgt Ion:252 Resp: 40764
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 20.7 13.1 19.7#

