

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

Manual Integrations
 APPROVED

mohammad
 7/12/2017 4:49:30 PM

Quant Time: Jul 11 17:06:42 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						
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						
10) Phenol	6.34	94	24597	2.365	ng	98
49) Dimethylphthalate	9.43	163	66736	4.107	ng	99
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	30647m	2.432	ng	

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

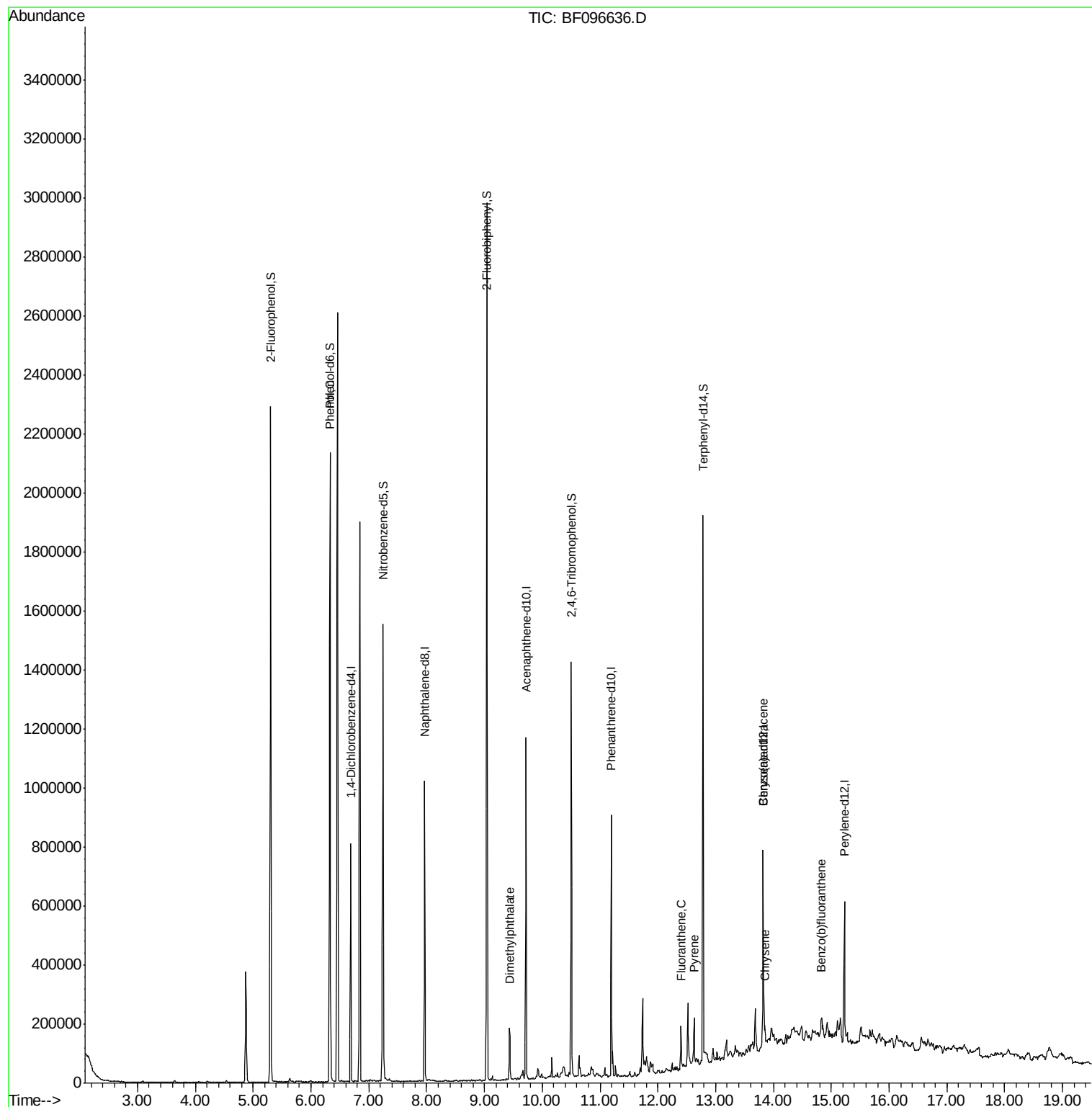
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
Data File : BF096636.D
Acq On : 11 Jul 2017 11:26
Operator : SJ/JU
Sample : I3992-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

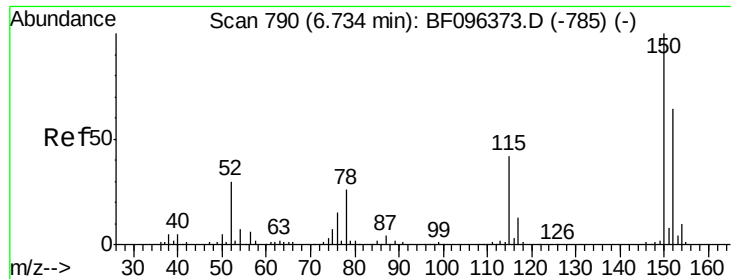
Instrument :
BNA_F
ClientSampleId :
CLINTON-NJ-QUARRY-STONE-DUS

Manual Integrations
APPROVED

mohammad
7/12/2017 4:49:30 PM

Quant Time: Jul 11 17:06:42 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





#1

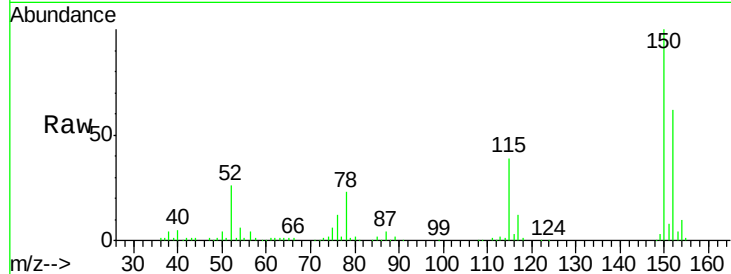
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096636.D
Acq: 11 Jul 2017 11:26

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

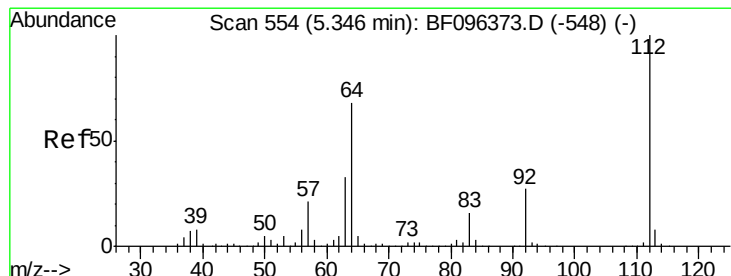
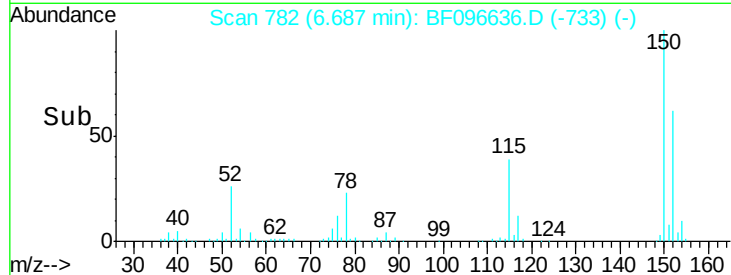
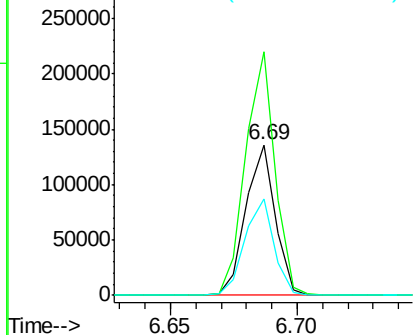
Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.4	126.2	189.2
115	63.8	52.2	78.2

Manual Integrations
APPROVED

mohammad
7/12/2017 4:49:30 PM



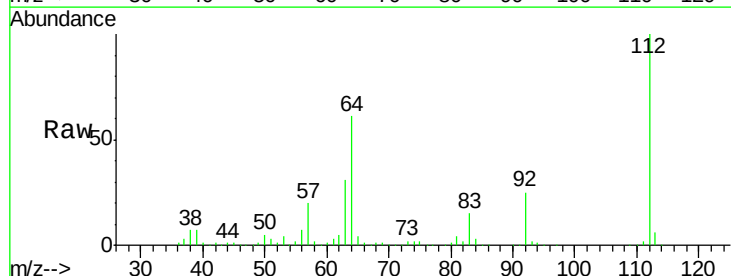
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



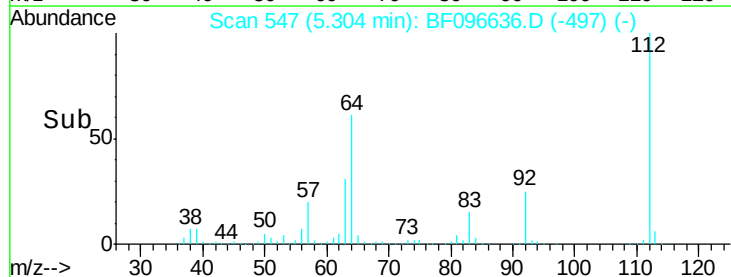
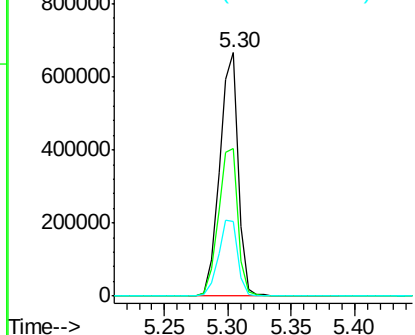
#5

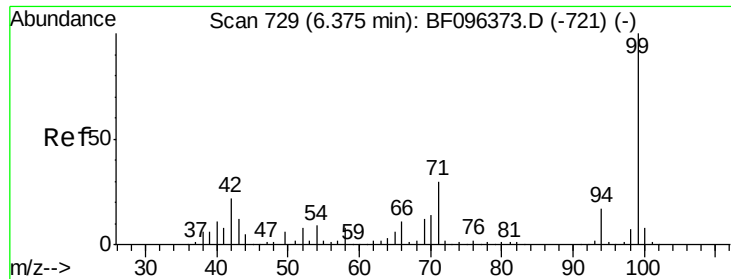
2-Fluorophenol
Concen: 91.929 ng
RT: 5.30 min Scan# 547
Delta R.T. -0.01 min
Lab File: BF096636.D
Acq: 11 Jul 2017 11:26

Tgt Ion	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

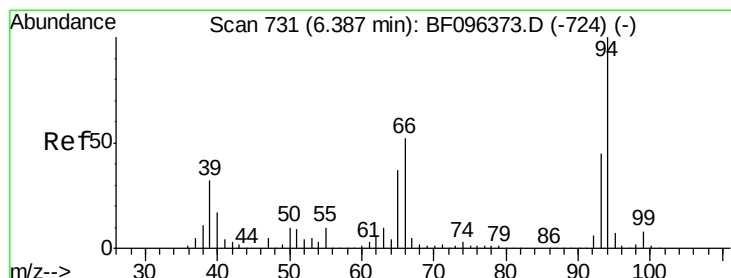
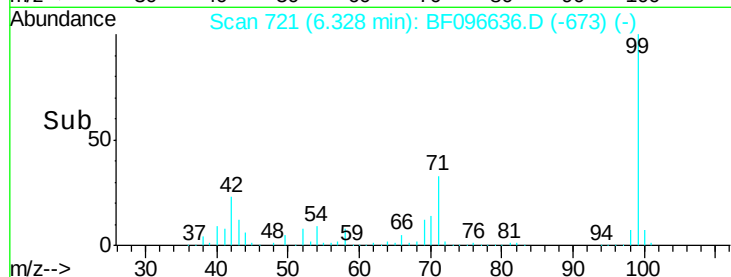
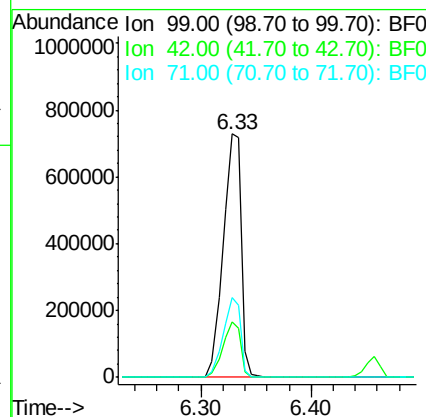
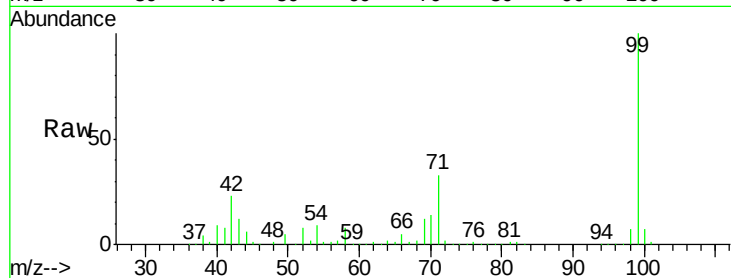
ClientSampleId :

CLINTON-NJ-QUARRY-STONE-DUS

Tgt Ion:	99	Resp:	82851
Ion Ratio	Lower	Upper	
99	100		
42	22.8	13.5	20.3#
71	32.7	24.5	36.7

Manual Integrations
APPROVED

mohammad
7/12/2017 4:49:30 PM



#10

Phenol

Concen: 2.365 ng

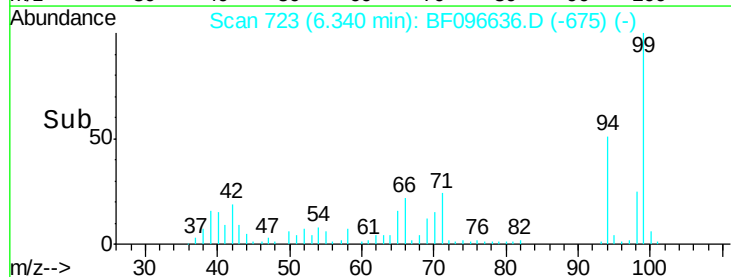
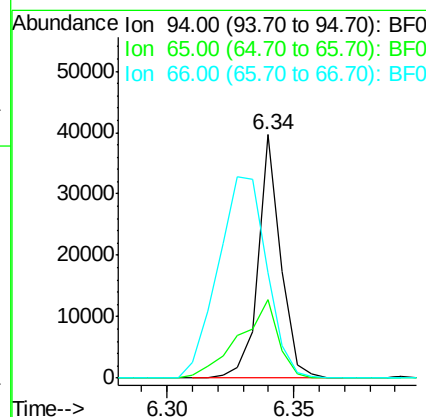
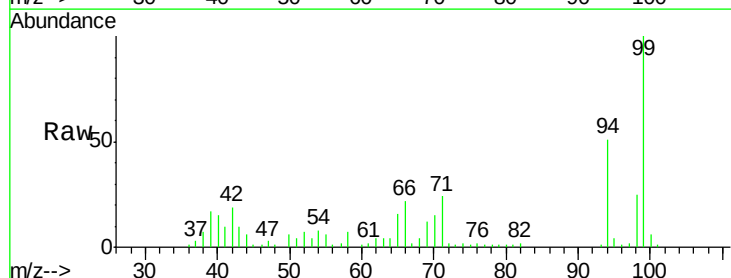
RT: 6.34 min Scan# 723

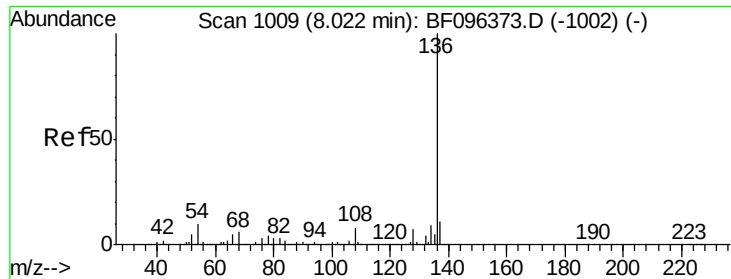
Delta R.T. -0.02 min

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





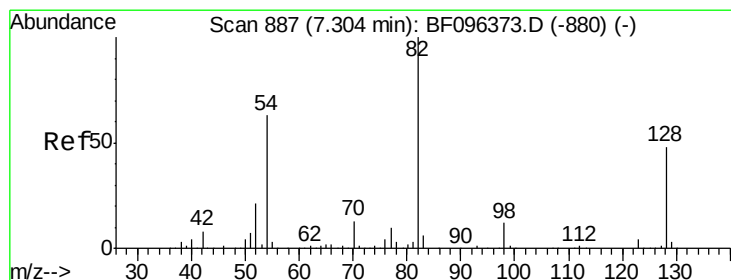
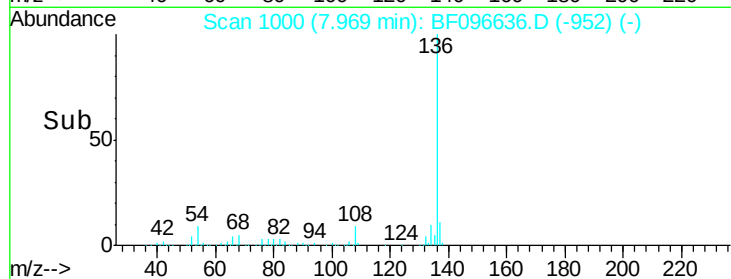
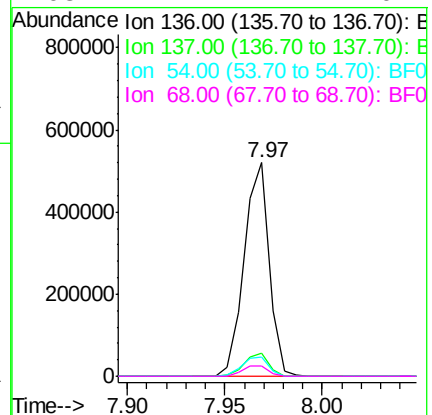
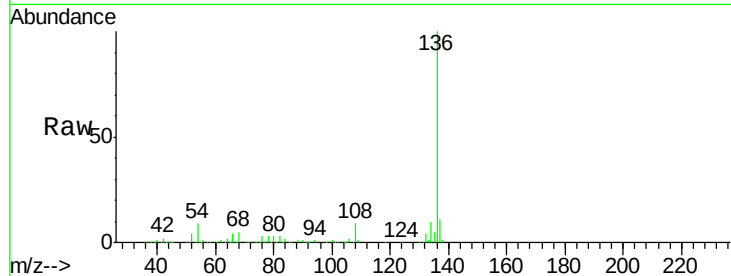
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF096636.D
Acq: 11 Jul 2017 11:26

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

Tgt Ion	Ratio	Resp 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

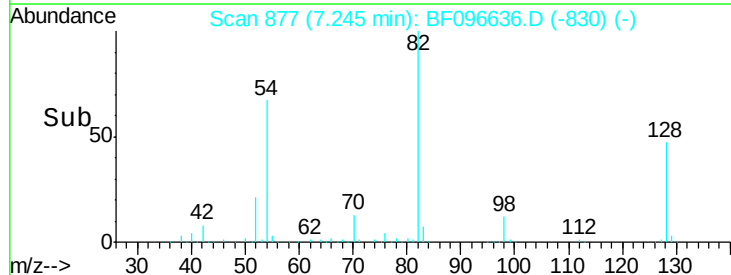
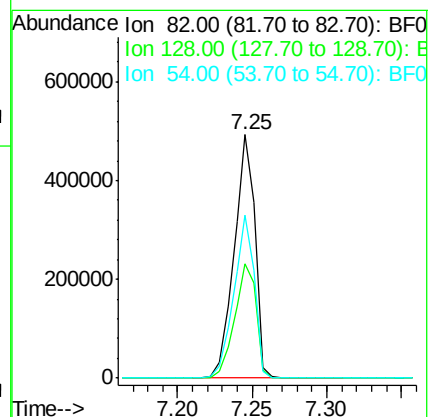
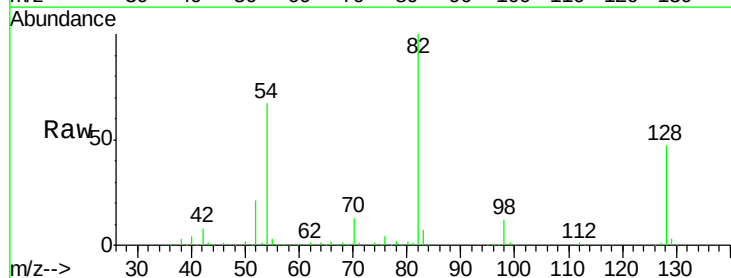
Manual Integrations
APPROVED

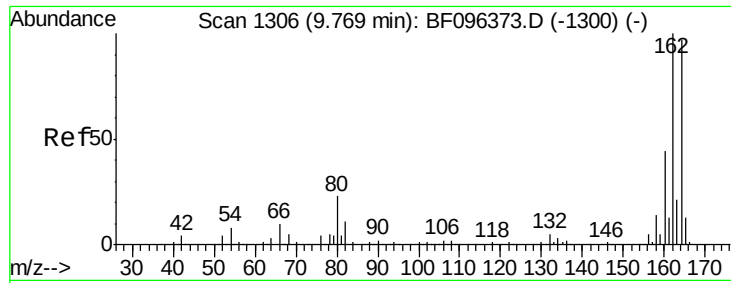
mohammad
7/12/2017 4:49:30 PM



#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

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





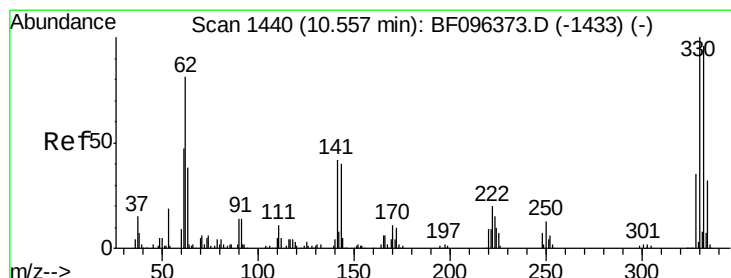
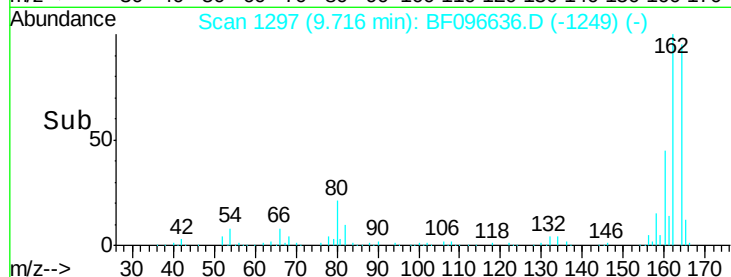
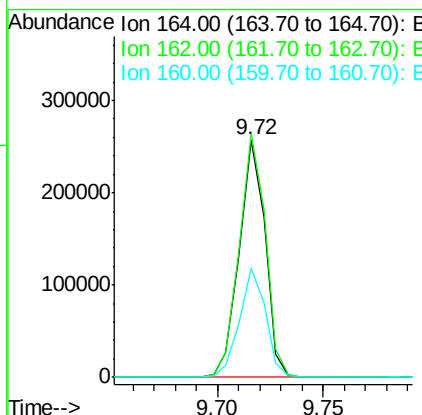
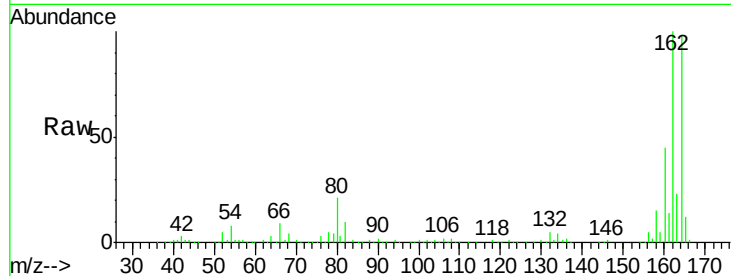
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF096636.D
 Acq: 11 Jul 2017 11:26

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

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

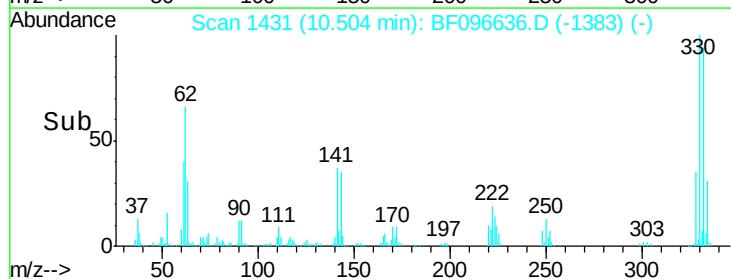
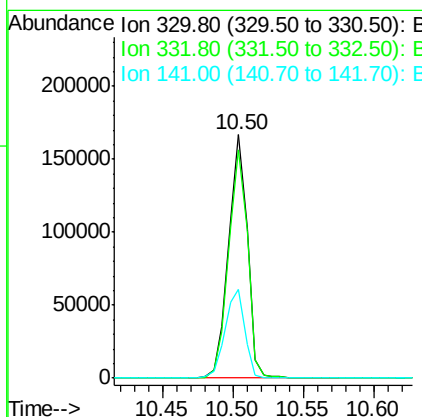
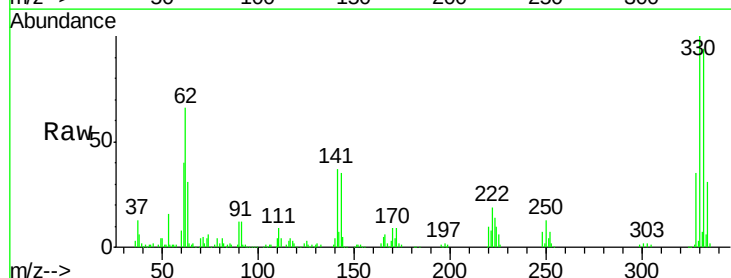
Manual Integrations
 APPROVED

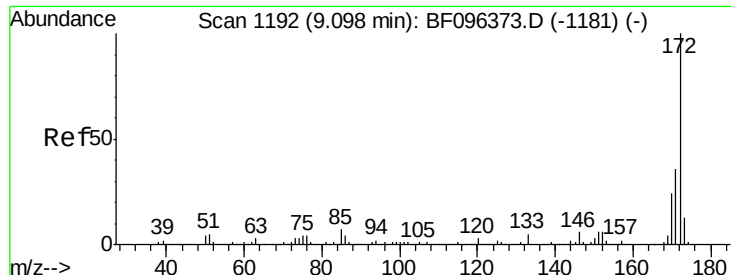
mohammad
 7/12/2017 4:49:30 PM



#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	Ratio	Resp	Lower	Upper
330	100	155135		
332	94.9	76.6	115.0	
141	38.1	31.4	47.2	





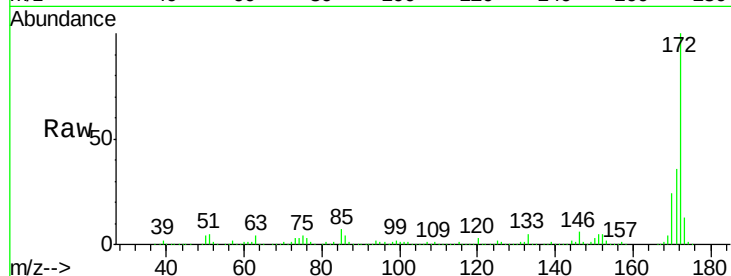
#44
2-Fluorobiphenyl
Concen: 73.984 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF096636.D
Acq: 11 Jul 2017 11:26

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

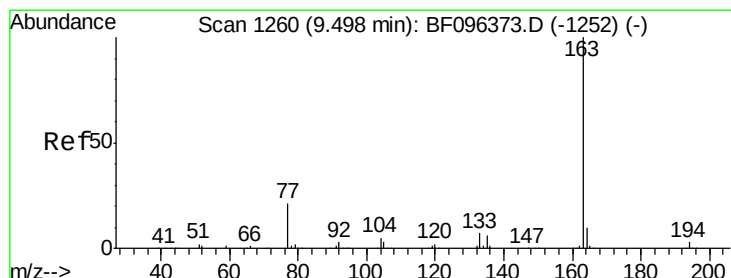
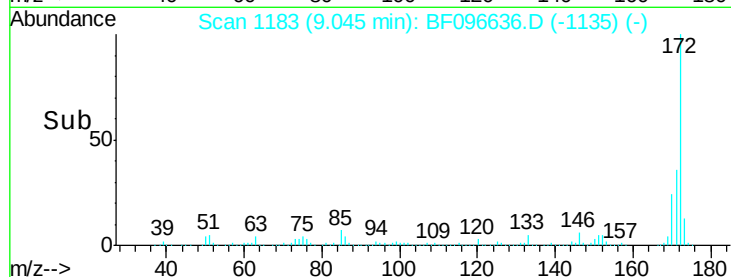
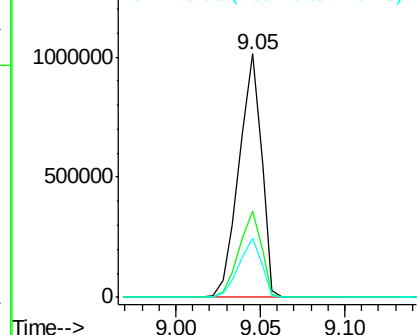
Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.6	29.6	44.4
170	24.2	19.8	29.8

Manual Integrations
APPROVED

mohammad
7/12/2017 4:49:30 PM

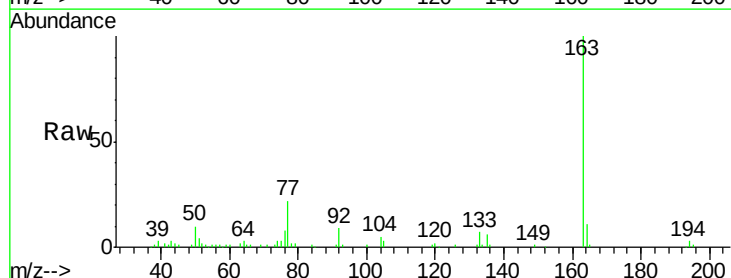


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

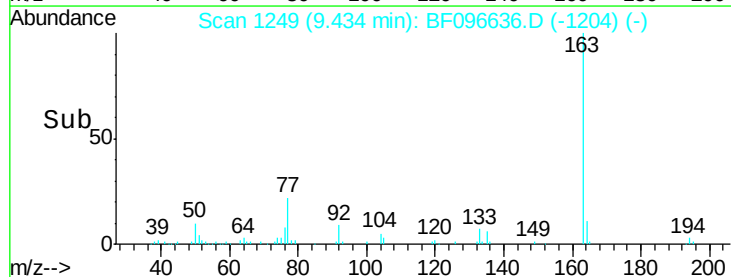
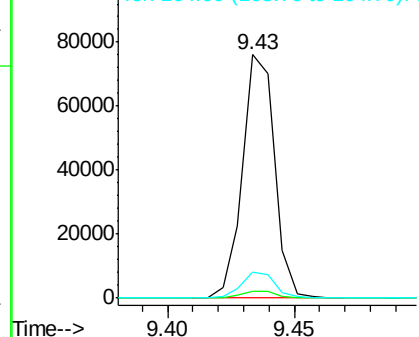


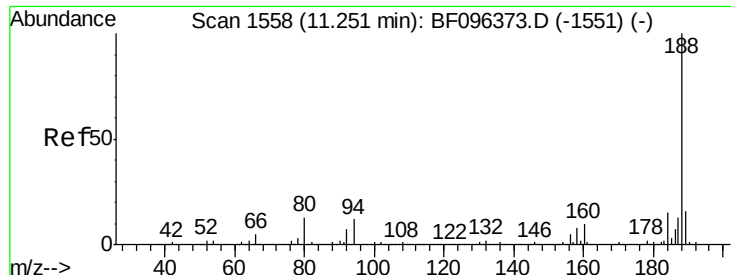
#49
Dimethylphthalate
Concen: 4.107 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.04 min
Lab File: BF096636.D
Acq: 11 Jul 2017 11:26

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



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





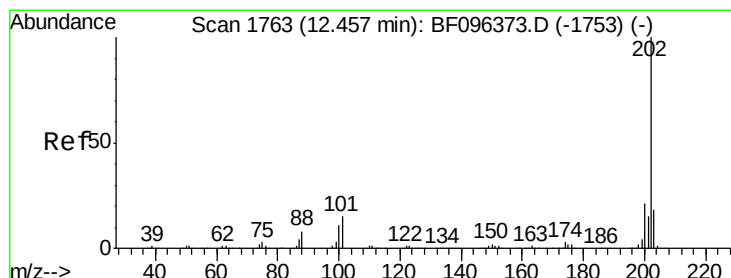
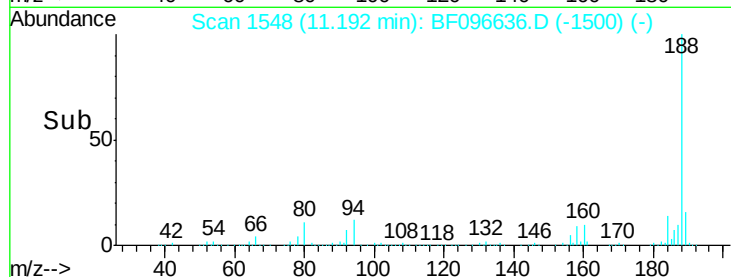
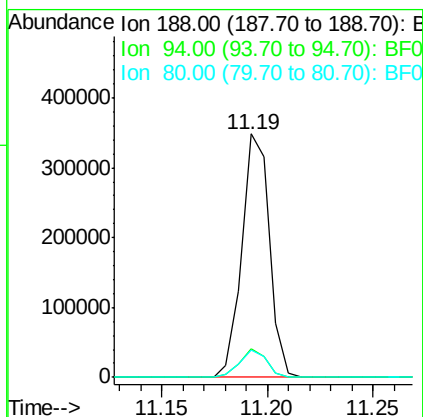
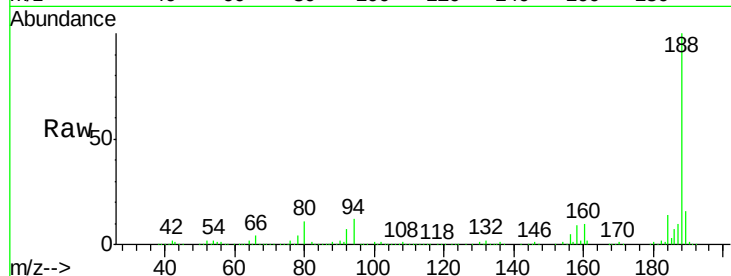
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.02 min
Lab File: BF096636.D
Acq: 11 Jul 2017 11:26

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.8	9.4	14.2
80	11.4	10.2	15.2

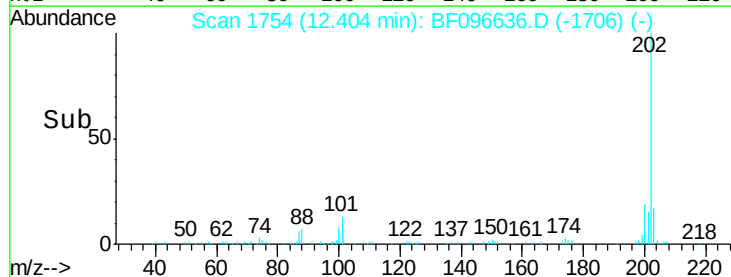
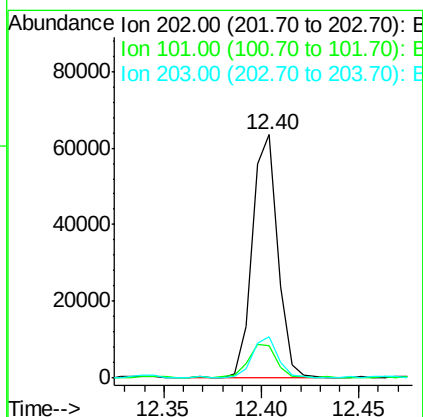
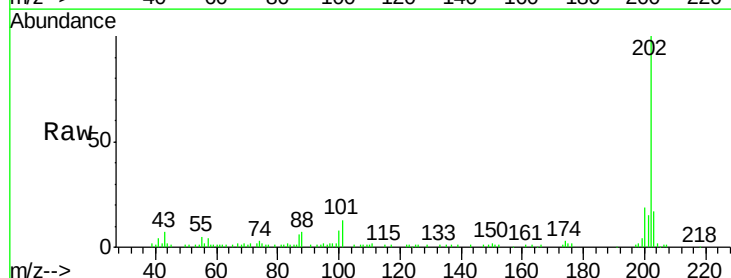
Manual Integrations
APPROVED

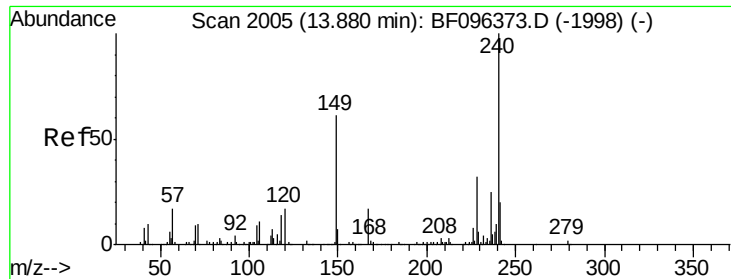
mohammad
7/12/2017 4:49:30 PM



#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	Ratio	Resp Lower	Resp Upper
202	100		
101	13.1	0.0	33.2
203	17.2	0.0	38.1





#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

Tgt Ion:240 Resp: 204786

Ion Ratio Lower Upper

240 100

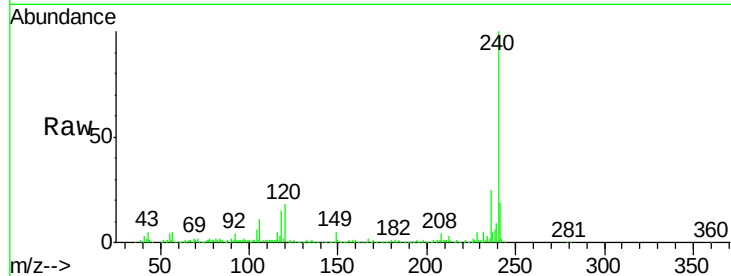
120 17.6 5.8 8.8#

236 25.3 20.5 30.7

Manual Integrations
APPROVED

mohammad

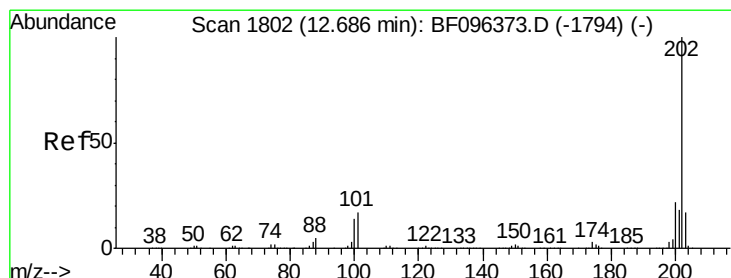
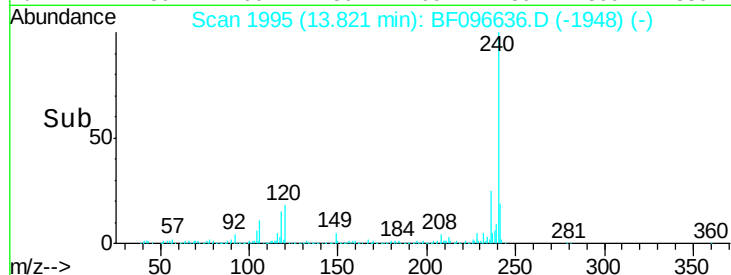
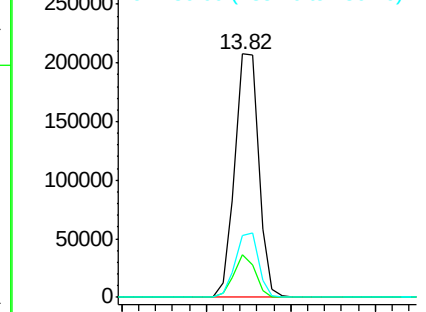
7/12/2017 4:49:30 PM



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

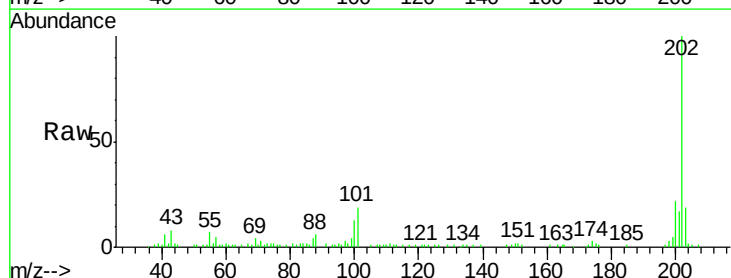
Tgt Ion:202 Resp: 55013

Ion Ratio Lower Upper

202 100

200 22.5 17.6 26.4

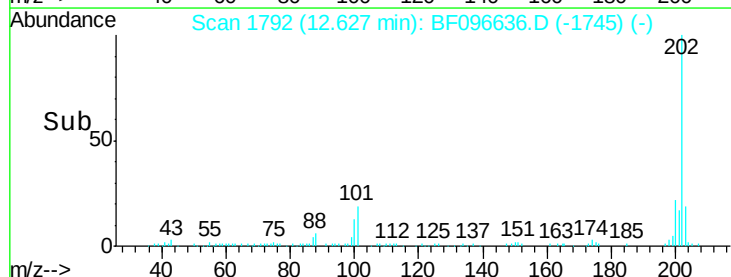
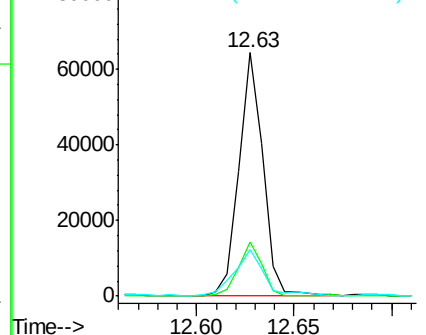
203 19.0 14.4 21.6

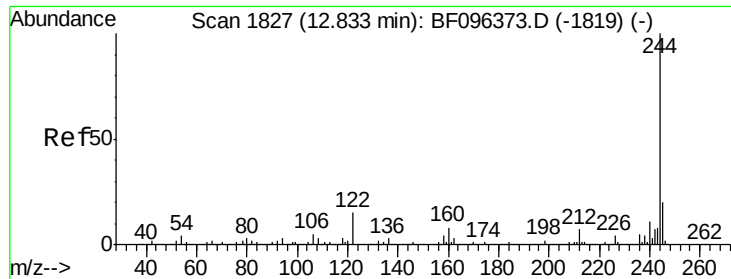


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





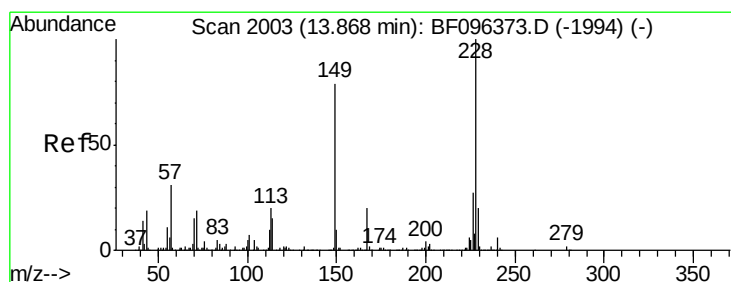
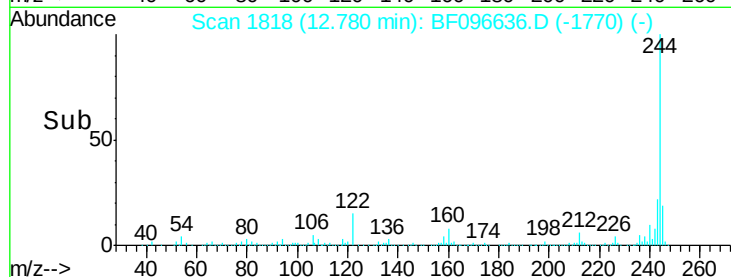
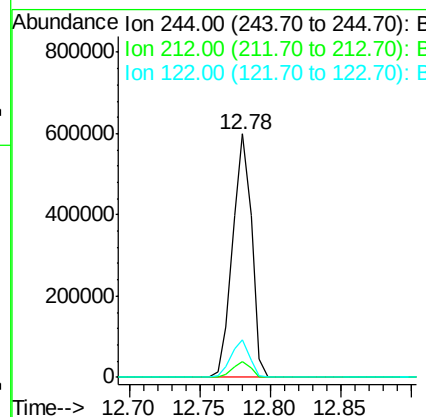
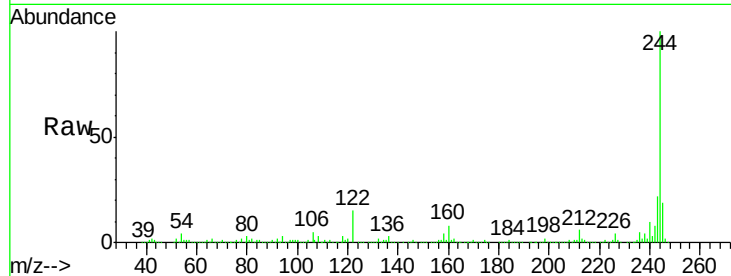
#78
 Terphenyl-d14
 Concen: 58.436 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BF096636.D
 Acq: 11 Jul 2017 11:26

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.4	6.0	9.0
122	15.2	10.3	15.5

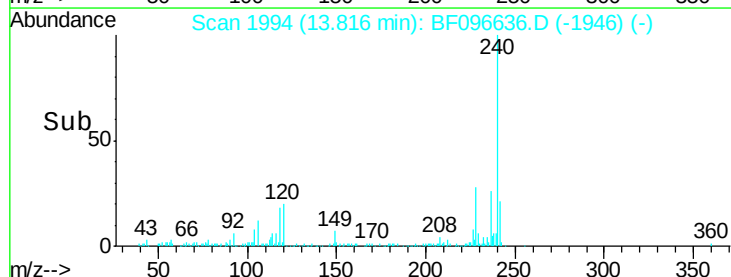
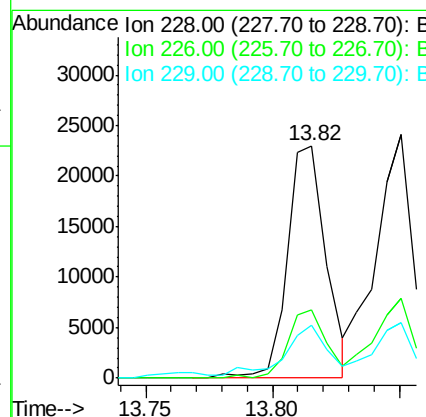
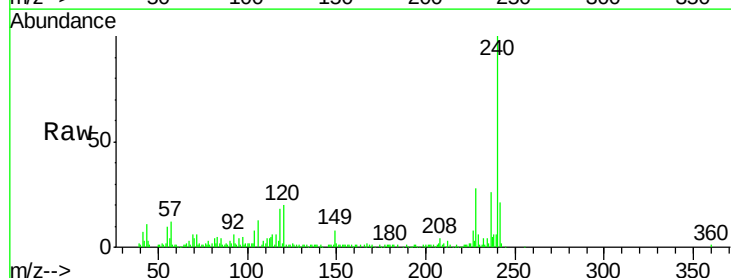
Manual Integrations
 APPROVED

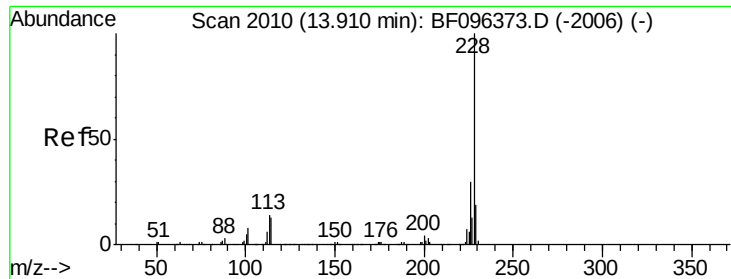
mohammad
 7/12/2017 4:49:30 PM



#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	Ratio	Resp Lower	Resp Upper
228	100		
226	29.6	22.6	33.8
229	22.8	16.3	24.5





#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

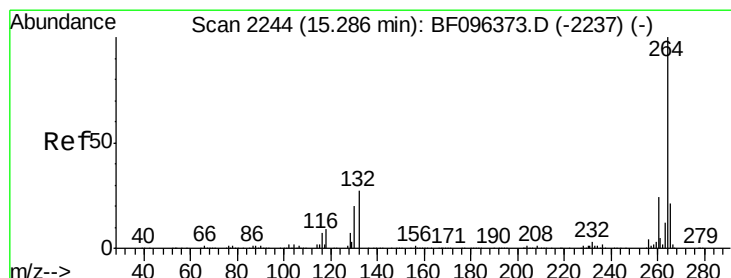
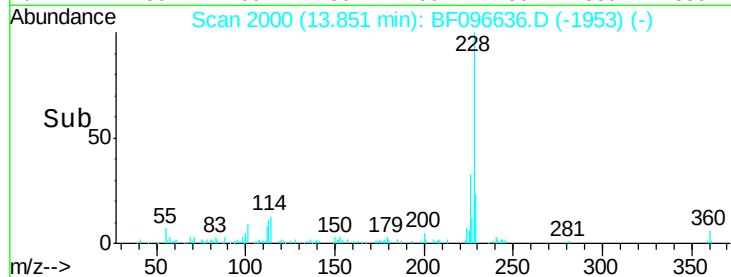
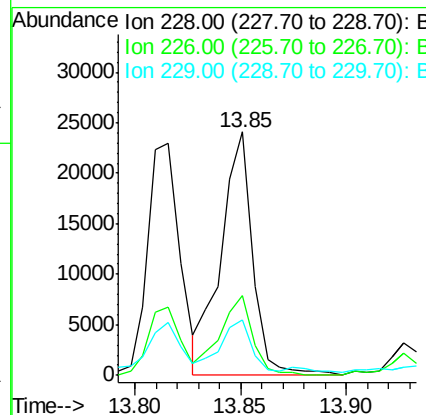
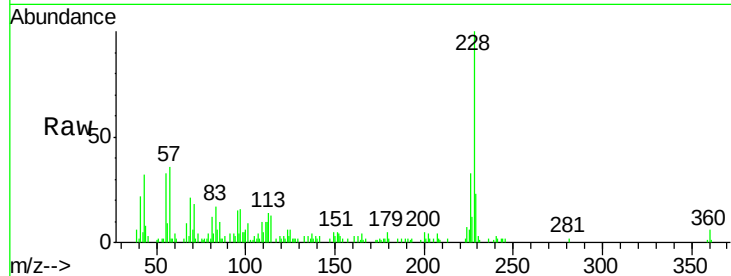
ClientSampleId :

CLINTON-NJ-QUARRY-STONE-DUS

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

Manual Integrations
APPROVED

mohammad
7/12/2017 4:49:30 PM



#86

Perylene-d12

Concen: 20.000 ng

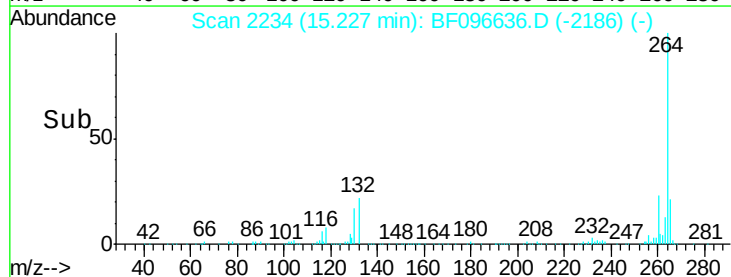
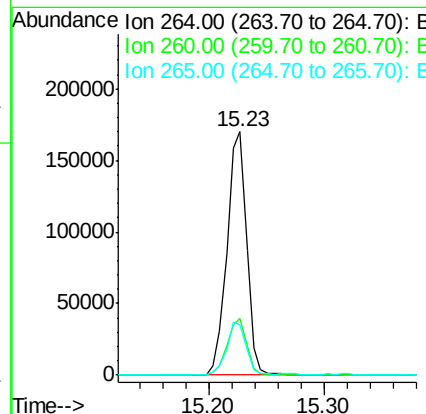
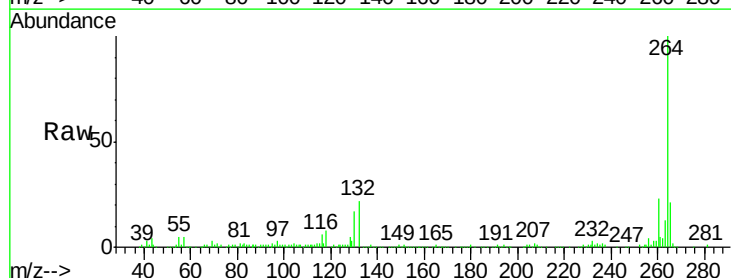
RT: 15.23 min Scan# 2234

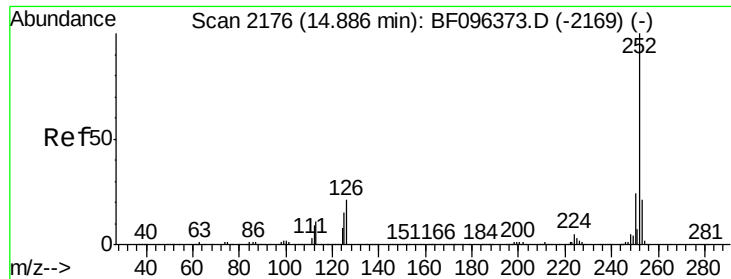
Delta R.T. -0.02 min

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: 2.432 ng m
 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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	20.7	9.8	14.8

Manual Integrations
 APPROVED

mohammad
 7/12/2017 4:49:30 PM

