

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\
 Data File : BF094696.D
 Acq On : 28 Apr 2017 20:58
 Operator : SJ/MA
 Sample : I2873-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMP

Manual Integrations
 APPROVED

mohammad
 5/1/2017 6:40:26 PM

Quant Time: Apr 29 02:21:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	110133	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	422447	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	169432	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	260639	20.00	ng	0.00
75) Chrysene-d12	14.47	240	207426	20.00	ng	0.00
86) Perylene-d12	16.10	264	163758	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	699473	105.37	ng	0.03
7) Phenol-d6	5.40	99	849716	108.58	ng	0.00
23) Nitrobenzene-d5	6.42	82	486973	71.18	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	135201	102.02	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	861600	74.82	ng	0.00
78) Terphenyl-d14	13.20	244	548374	70.66	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.08	163	44647	3.54	ng	Qvalue # 99
70) Phenanthrene	11.25	178	299682	20.42	ng	98
71) Anthracene	11.31	178	32827	2.16	ng	93
74) Fluoranthene	12.71	202	277651	18.25	ng	98
77) Pyrene	12.98	202	286056	19.74	ng	97
80) Benzo(a)anthracene	14.46	228	105801	8.78	ng	98
82) Chrysene	14.50	228	113874	10.34	ng	97
85) Indeno(1,2,3-cd)pyrene	17.38	276	36533	3.48	ng	98
87) Benzo(b)fluoranthene	15.70	252	99081m	9.89	ng	
88) Benzo(k)fluoranthene	15.72	252	37624m	3.97	ng	
89) Benzo(a)pyrene	16.04	252	73753	7.91	ng	96
91) Benzo(a,h,i)perylene	17.76	276	39568	5.02	ng	95

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

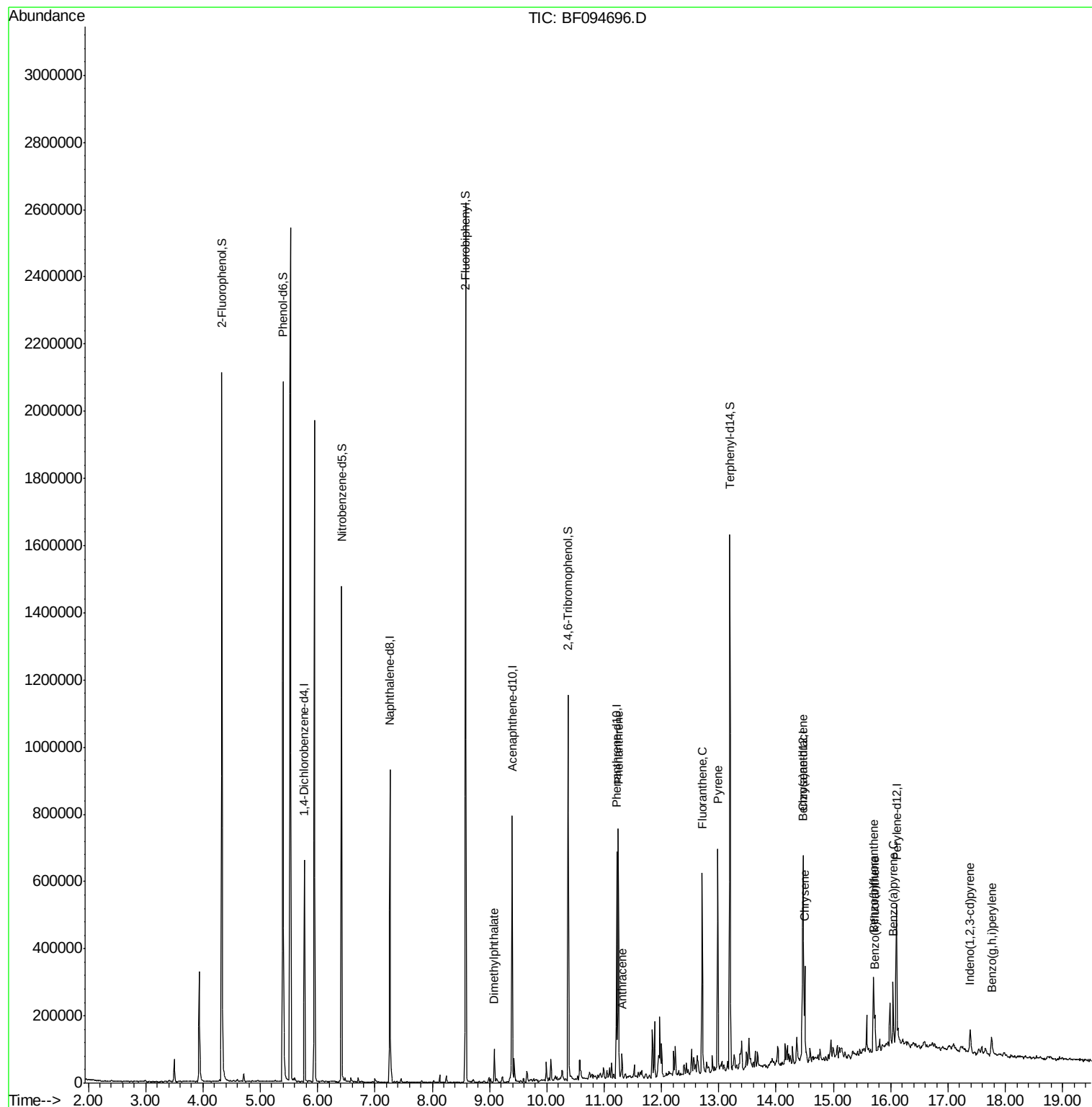
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\
Data File : BF094696.D
Acq On : 28 Apr 2017 20:58
Operator : SJ/MA
Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

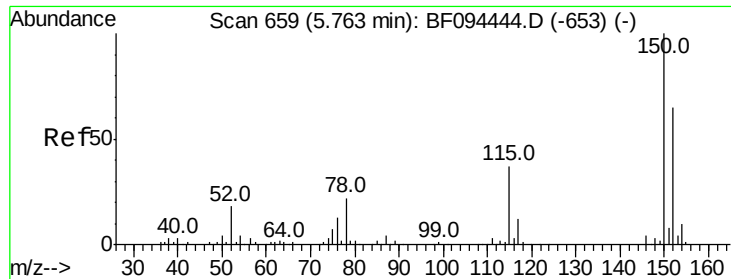
Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMP

Manual Integrations
APPROVED

mohammad
5/1/2017 6:40:26 PM

Quant Time: Apr 29 02:21:33 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 14:59:23 2017
Response via : Initial Calibration





#1

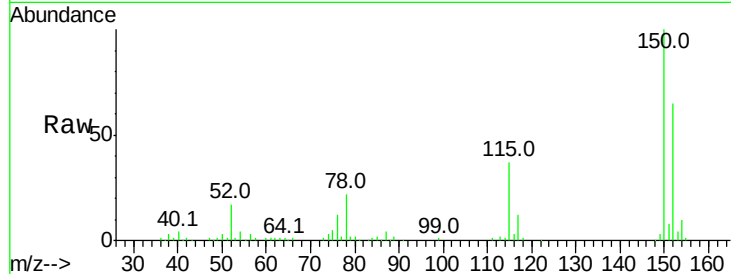
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMP

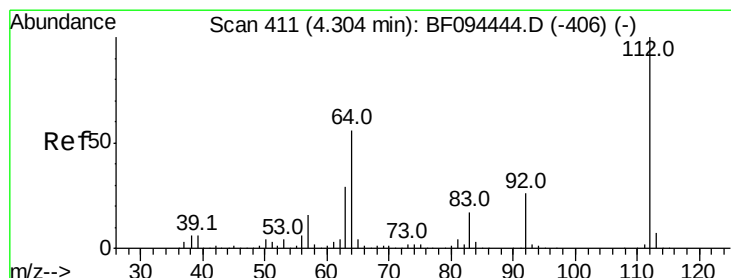
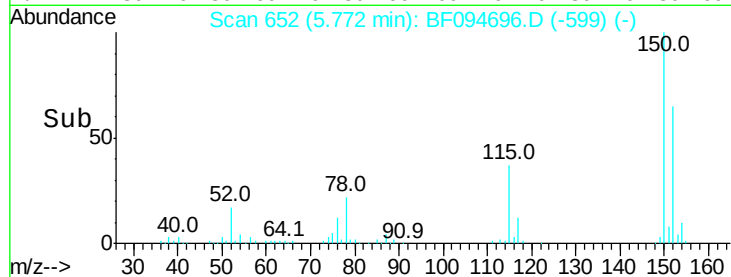
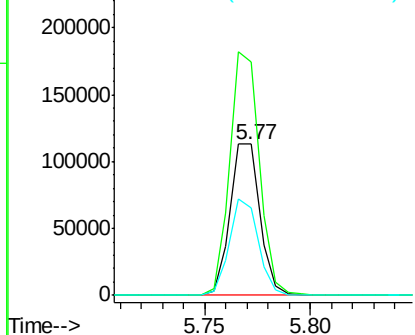
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.2	189.2
115	58.0	52.2	78.2

Manual Integrations
APPROVED

mohammad
5/1/2017 6:40:26 PM



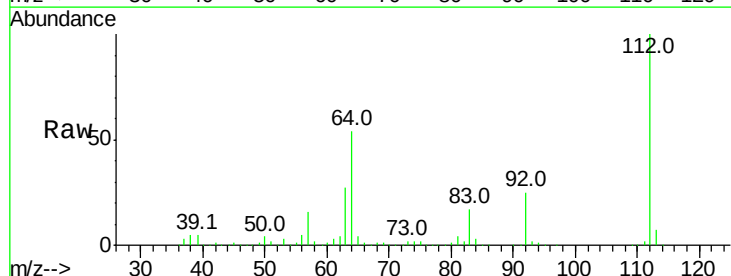
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



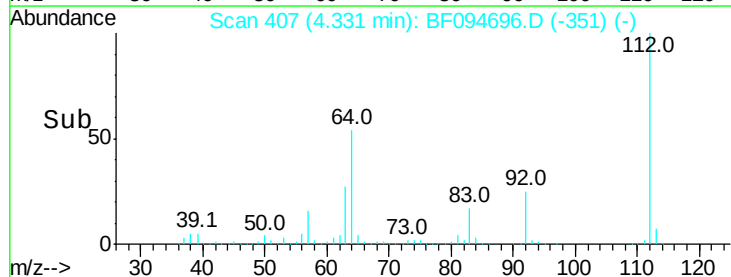
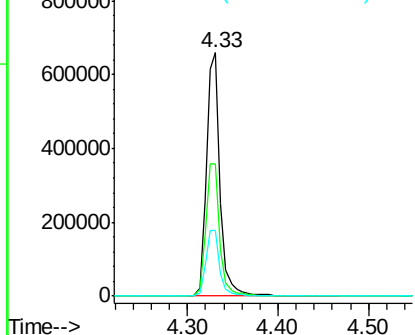
#5

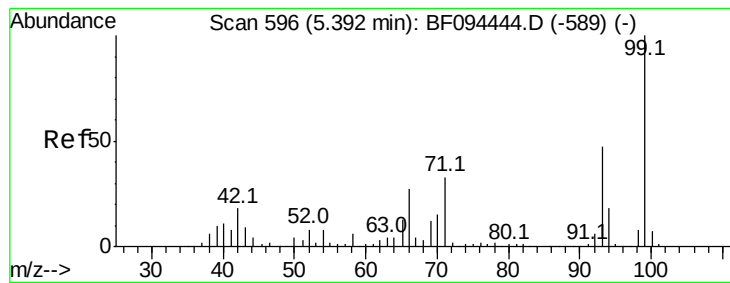
2-Fluorophenol
Concen: 105.37 ng
RT: 4.33 min Scan# 407
Delta R.T. 0.03 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	46.0	69.0
63	27.1	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: 108.58 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094696.D

Acq: 28 Apr 2017 20:58

Instrument :

BNA_F

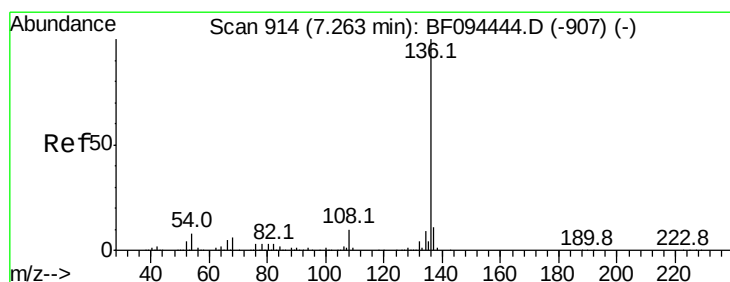
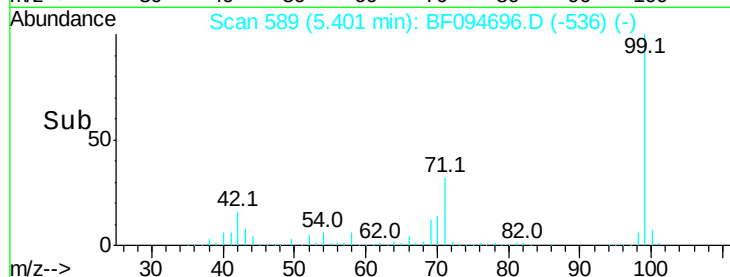
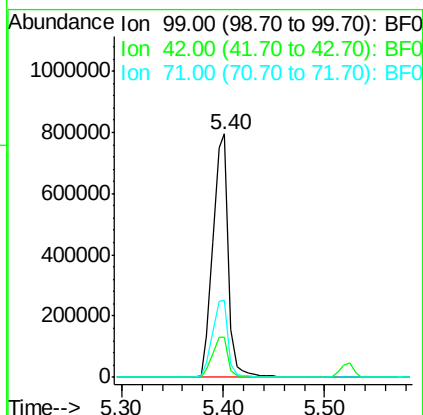
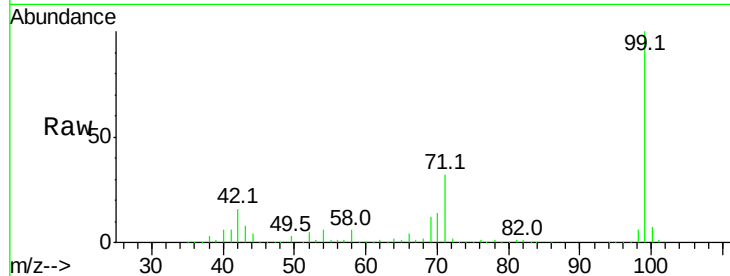
ClientSampleId :

MANHOLE-9-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		849716		
42	16.4	13.5	20.3		
71	31.9	24.5	36.7		

Manual Integrations
APPROVED

mohammad
5/1/2017 6:40:26 PM



#21

Naphthalene-d8

Concen: 20.00 ng

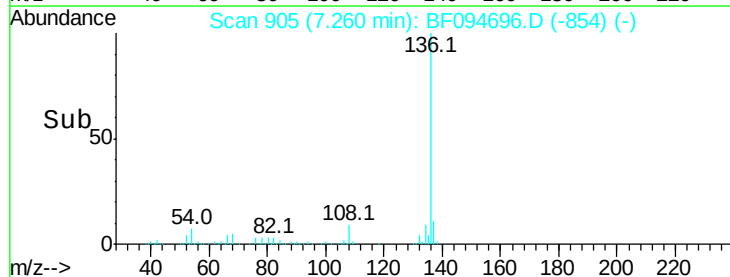
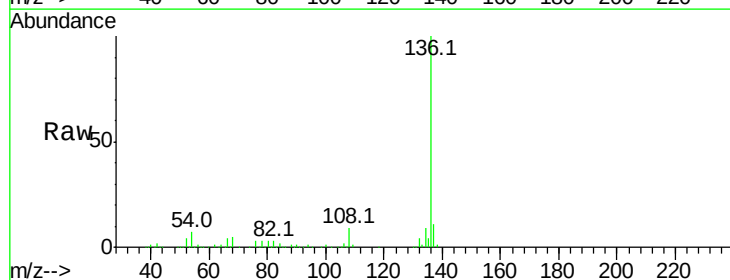
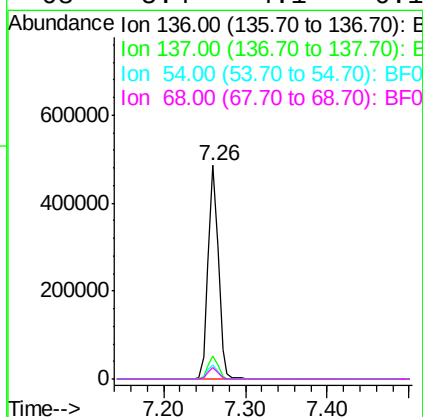
RT: 7.26 min Scan# 905

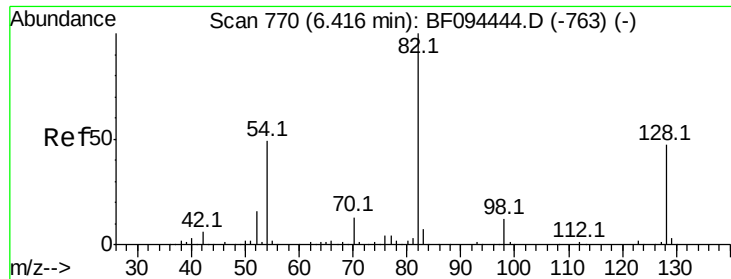
Delta R.T. -0.00 min

Lab File: BF094696.D

Acq: 28 Apr 2017 20:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		422447		
137	10.8	8.5	12.7		
54	6.7	4.9	7.3		
68	5.4	4.1	6.1		





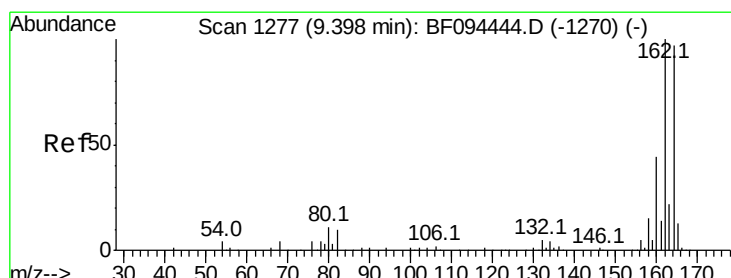
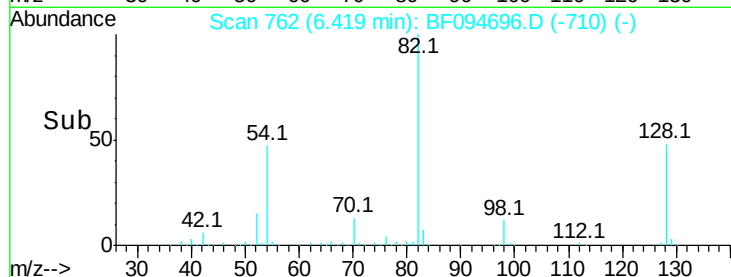
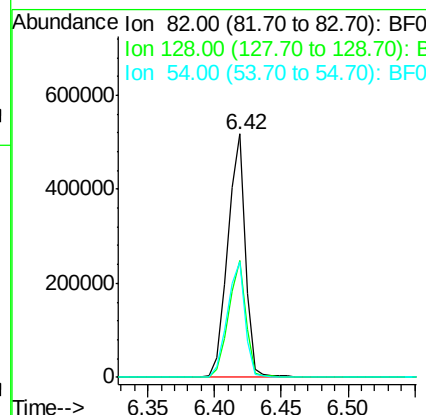
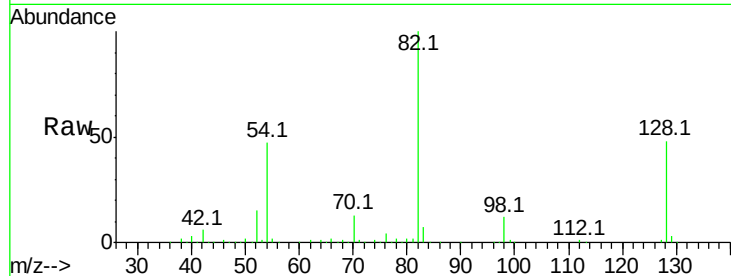
#23
 Nitrobenzene-d5
 Concen: 71.18 ng
 RT: 6.42 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BF094696.D
 Acq: 28 Apr 2017 20:58

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	34.0	51.0
54	47.3	42.2	63.2

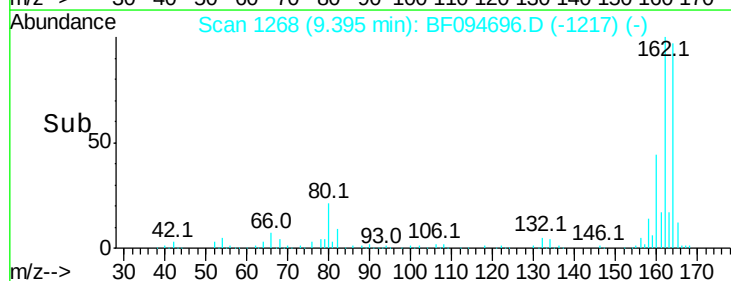
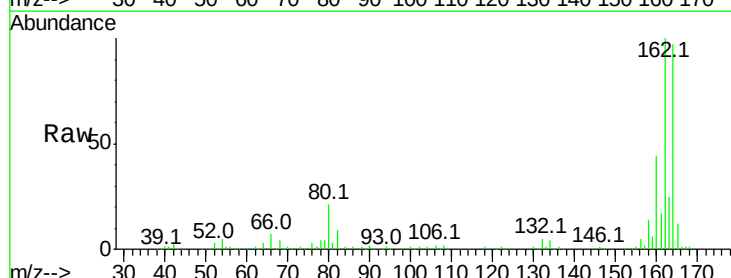
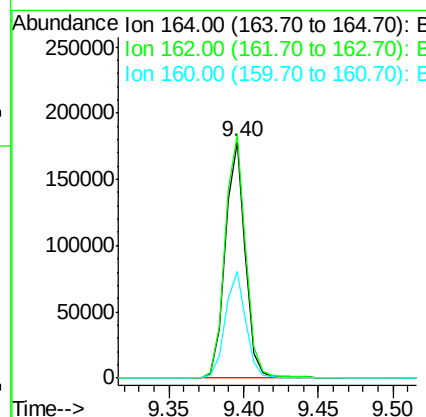
Manual Integrations
 APPROVED

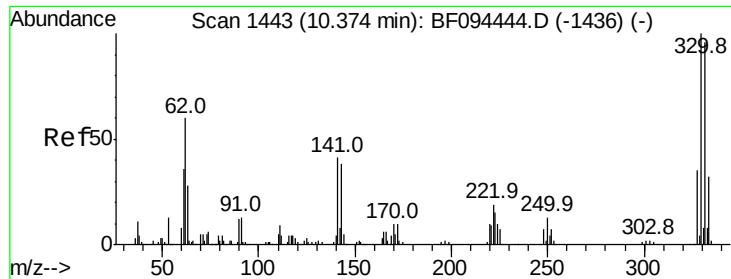
mohammad
 5/1/2017 6:40:26 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BF094696.D
 Acq: 28 Apr 2017 20:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.6	123.8
160	44.9	36.2	54.2





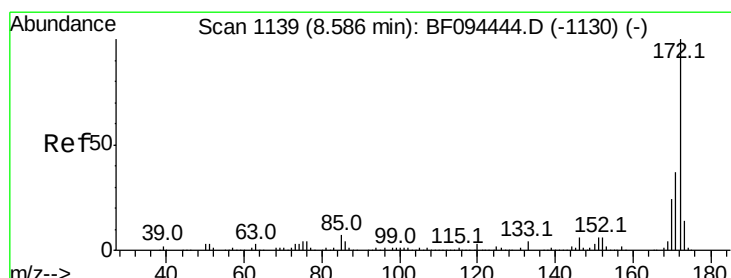
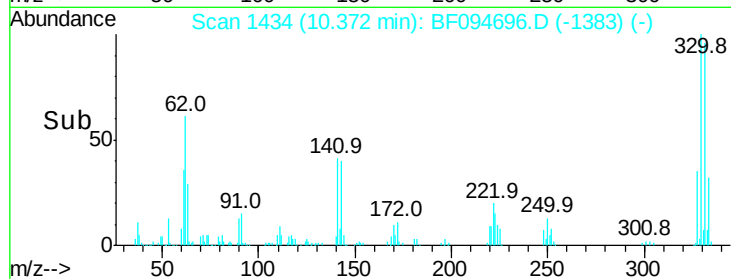
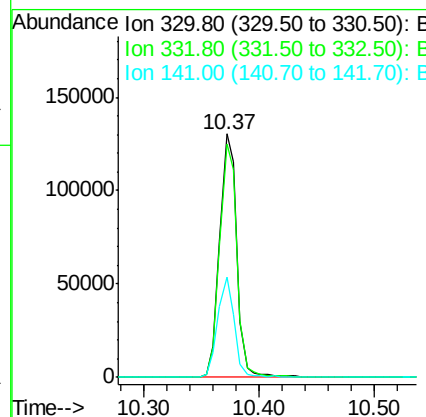
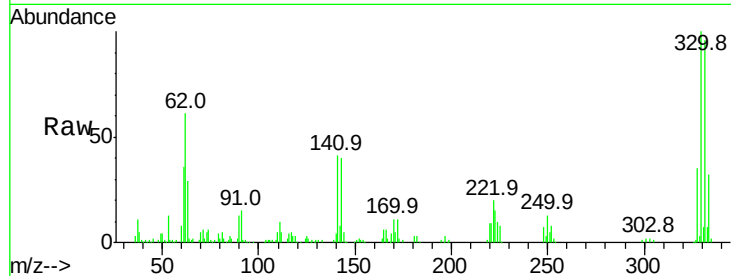
#41
 2,4,6-Tribromophenol
 Concen: 102.02 ng
 RT: 10.37 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: BF094696.D
 Acq: 28 Apr 2017 20:58

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	135201		
332	96.6	76.6	115.0	
141	40.2	31.4	47.2	

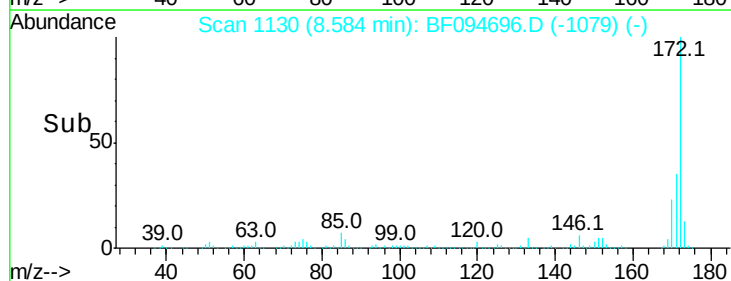
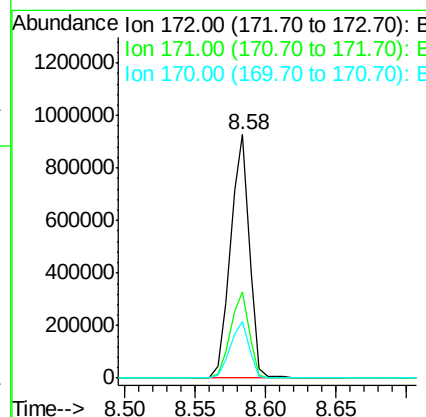
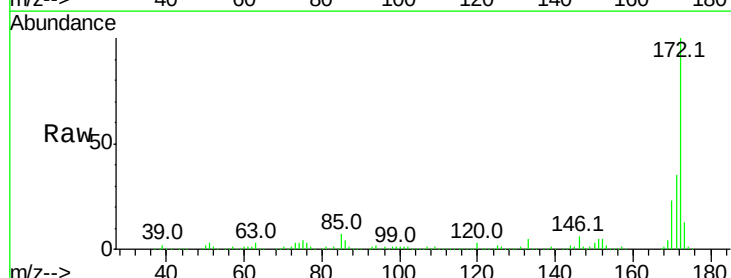
Manual Integrations
 APPROVED

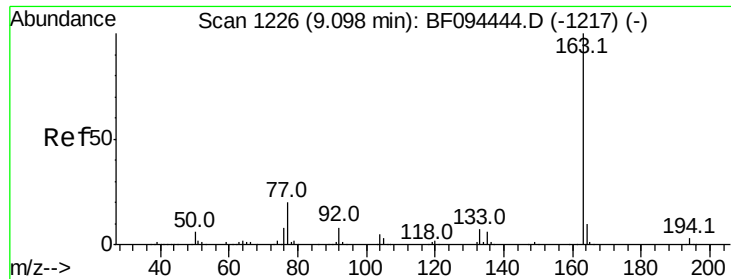
mohammad
 5/1/2017 6:40:26 PM



#44
 2-Fluorobiphenyl
 Concen: 74.82 ng
 RT: 8.58 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BF094696.D
 Acq: 28 Apr 2017 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	861600		
171	35.4	29.6	44.4	
170	23.4	19.8	29.8	





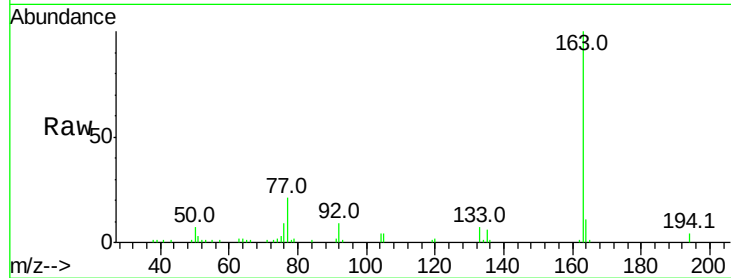
#49
Dimethylphthalate
Concen: 3.54 ng
RT: 9.08 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMP

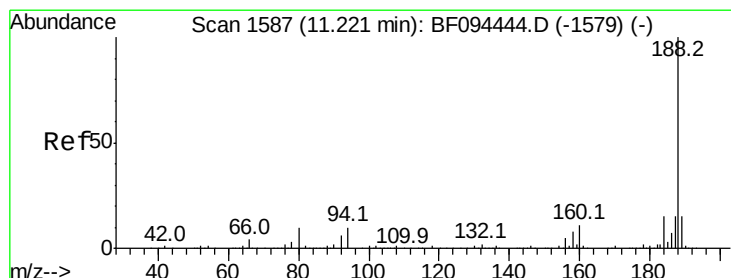
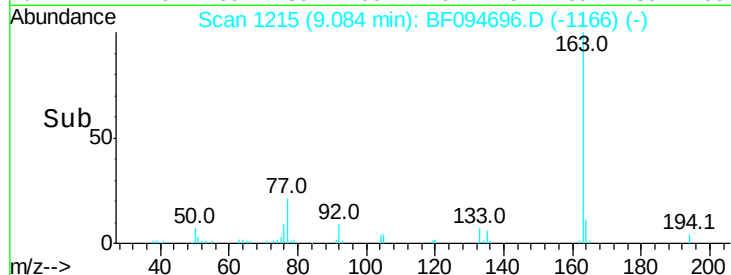
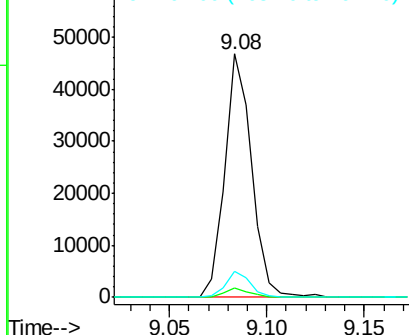
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.6	4.0#
164	10.7	8.4	12.6

Manual Integrations
APPROVED

mohammad
5/1/2017 6:40:26 PM

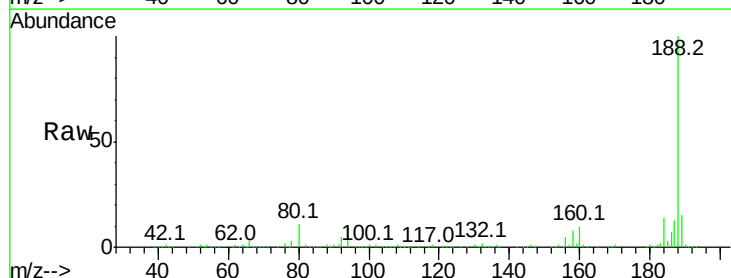


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

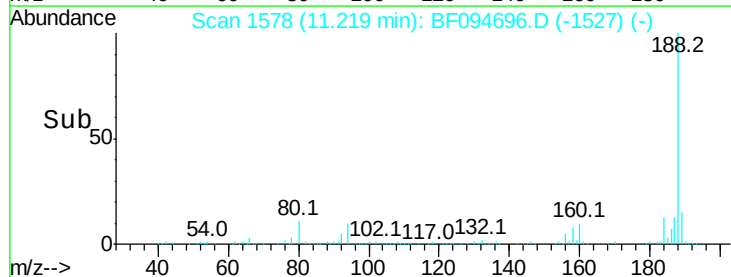
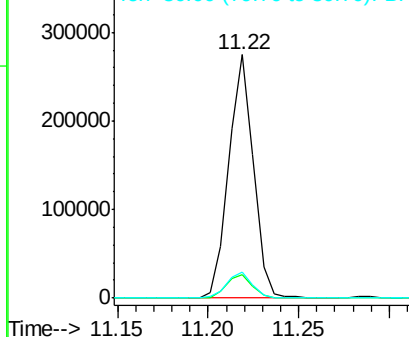


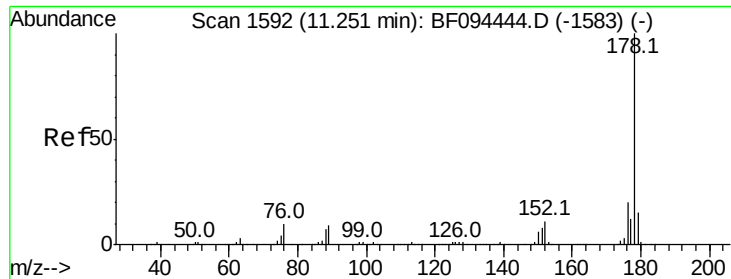
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.4	14.2
80	10.9	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





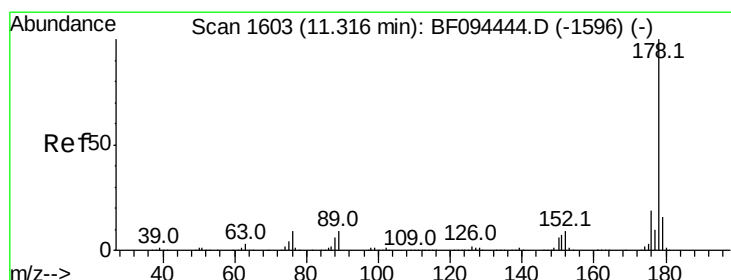
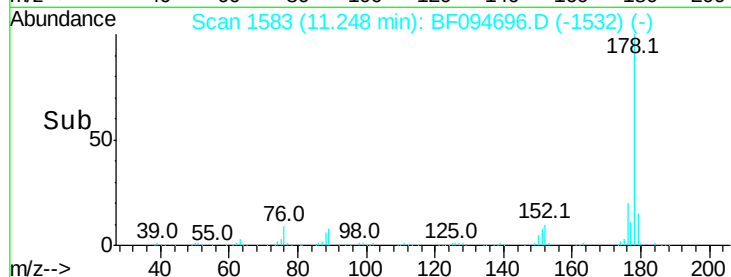
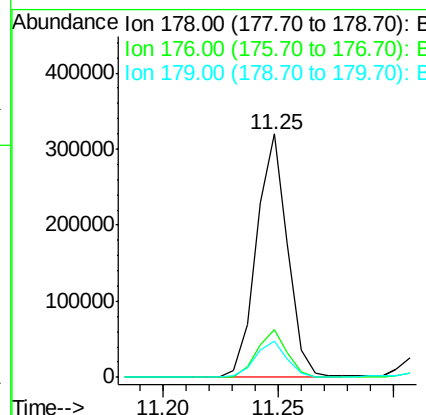
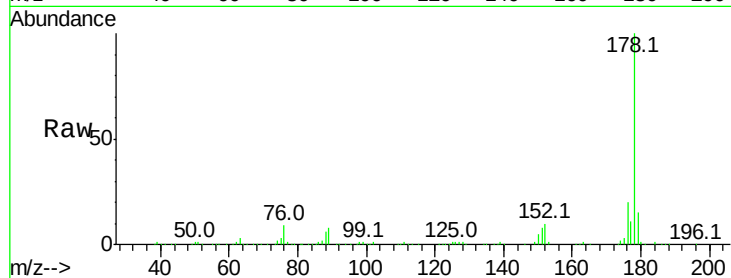
#70
Phenanthrene
Concen: 20.42 ng
RT: 11.25 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	14.9	12.6	19.0

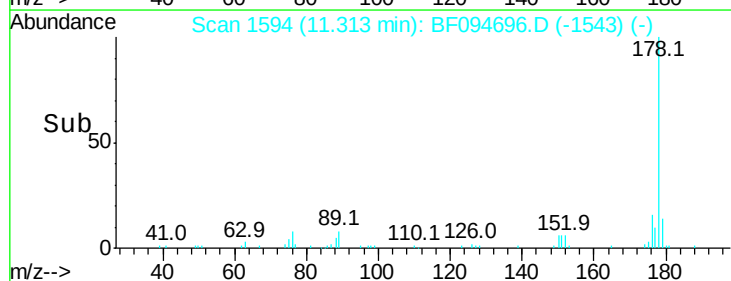
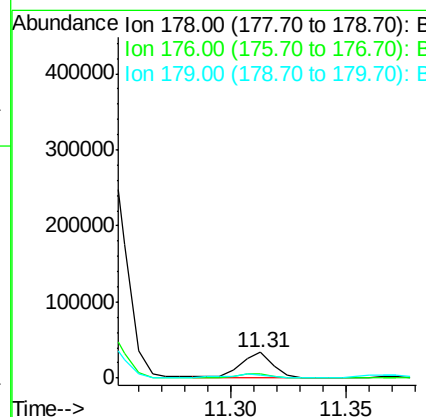
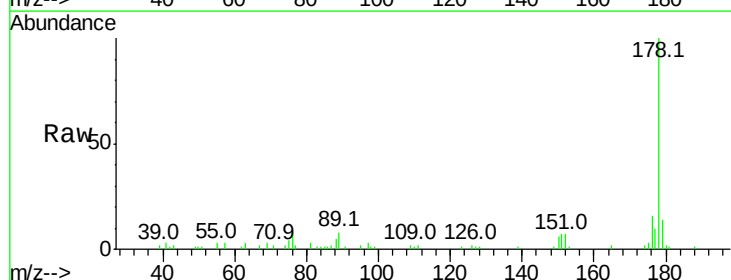
Manual Integrations
APPROVED

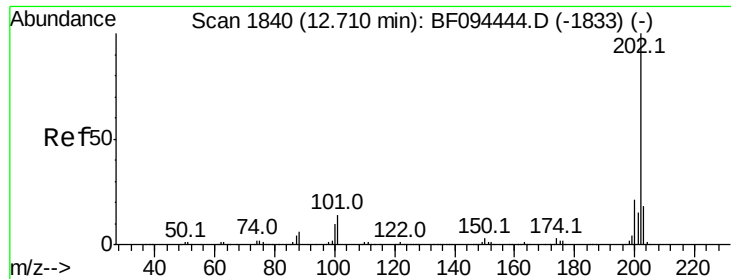
mohammad
5/1/2017 6:40:26 PM



#71
Anthracene
Concen: 2.16 ng
RT: 11.31 min Scan# 1594
Delta R.T. -0.00 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	15.9	15.8	23.8
179	13.9	12.7	19.1





#74

Fluoranthene

Concen: 18.25 ng

RT: 12.71 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF094696.D

Acq: 28 Apr 2017 20:58

Instrument :

BNA_F

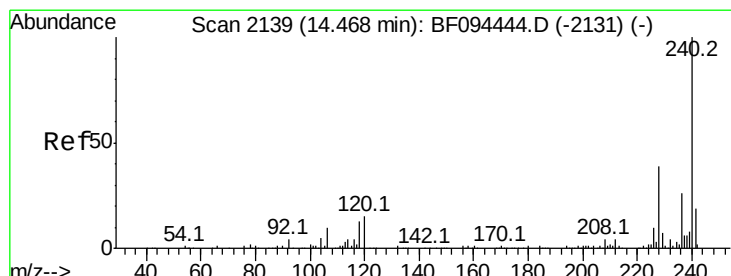
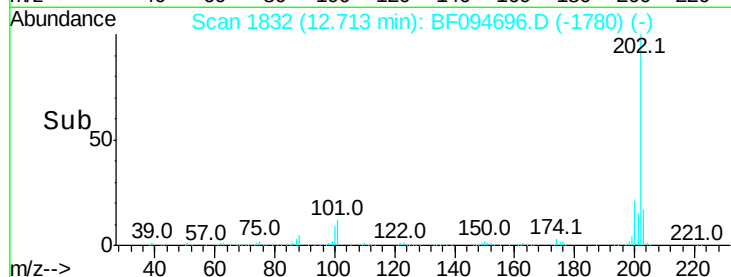
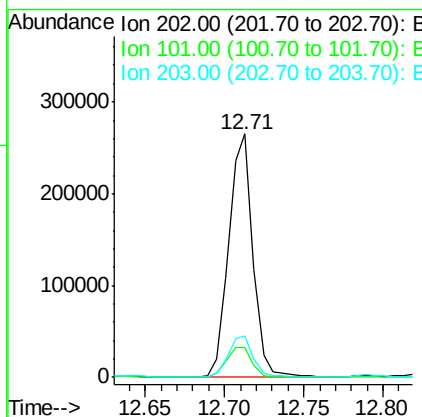
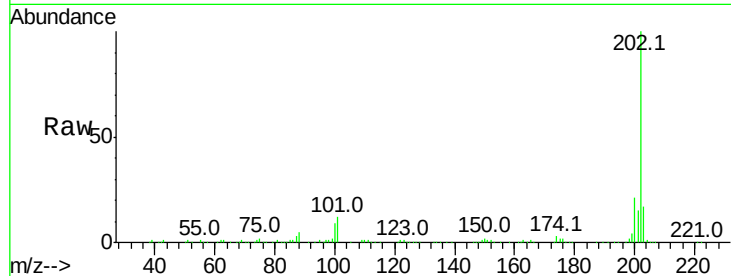
ClientSampleId :

MANHOLE-9-COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	277651		
101	12.3	0.0	33.2	
203	17.1	0.0	38.1	

Manual Integrations
APPROVED

mohammad
5/1/2017 6:40:26 PM



#75

Chrysene-d12

Concen: 20.00 ng

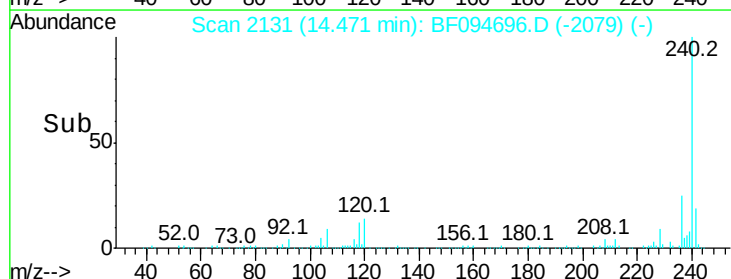
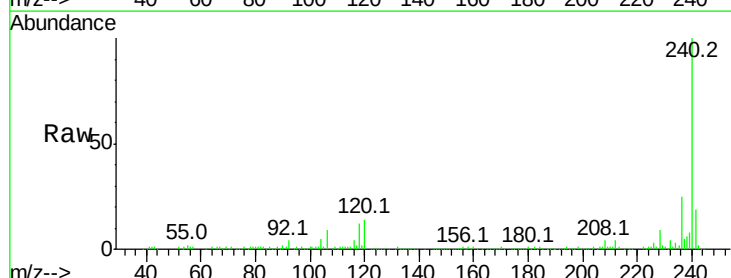
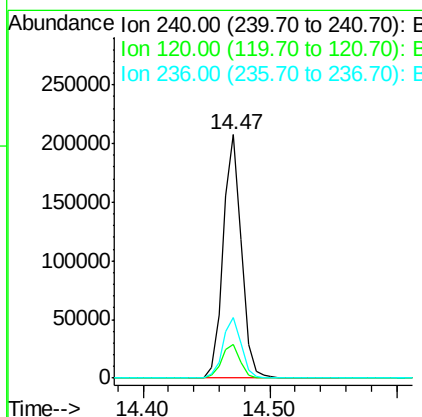
RT: 14.47 min Scan# 2131

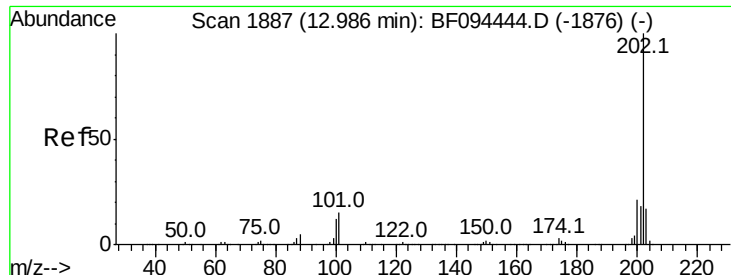
Delta R.T. 0.00 min

Lab File: BF094696.D

Acq: 28 Apr 2017 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	207426		
120	14.0	5.8	8.8#	
236	25.1	20.5	30.7	





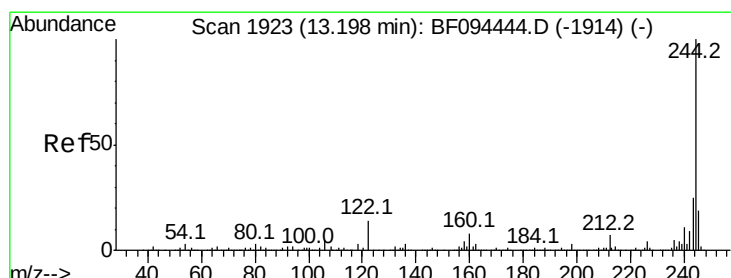
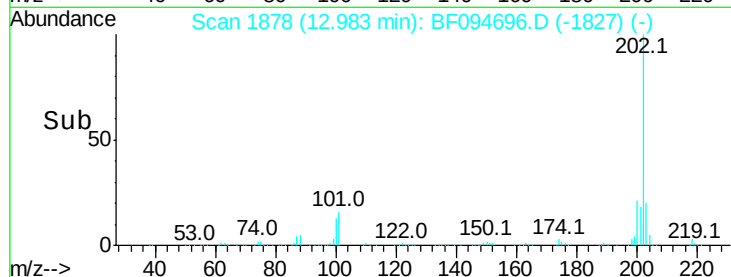
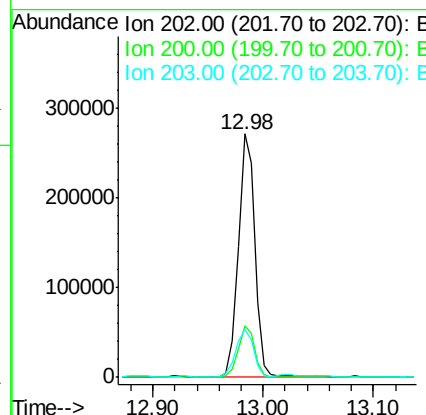
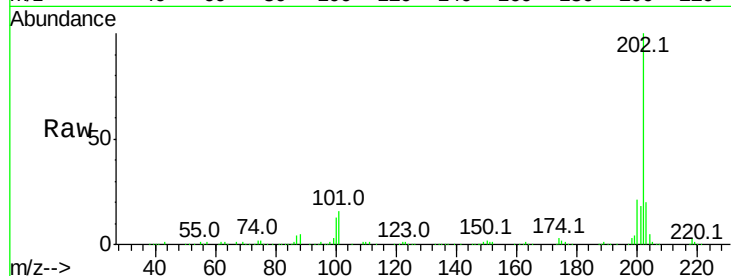
#77
Pvrene
Concen: 19.74 ng
RT: 12.98 min Scan# 1878
Delta R.T. -0.00 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.6	26.4
203	19.7	14.4	21.6

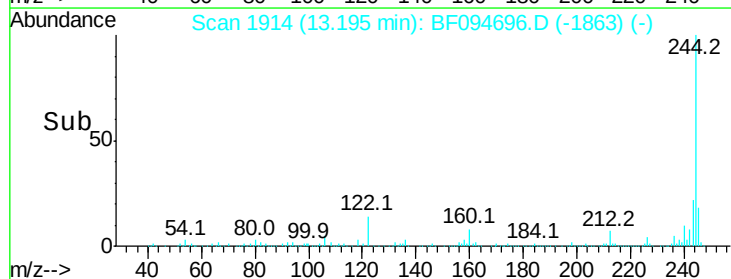
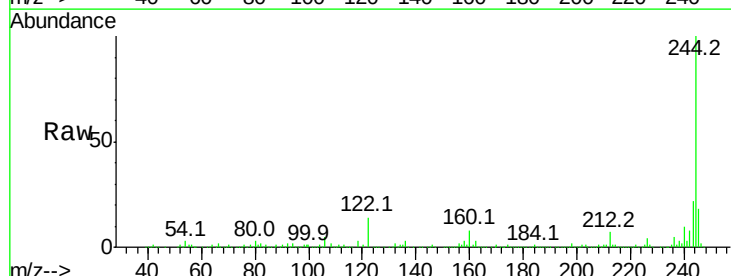
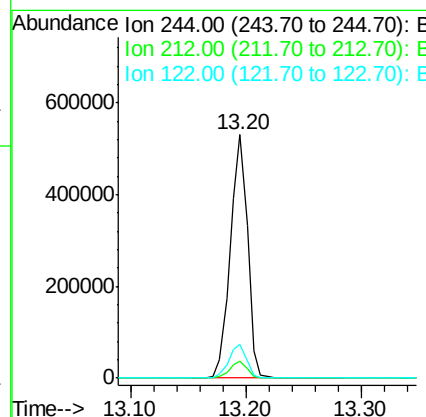
Manual Integrations
APPROVED

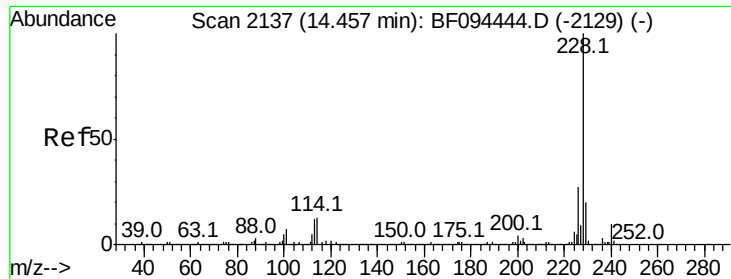
mohammad
5/1/2017 6:40:26 PM



#78
Terphenyl-d14
Concen: 70.66 ng
RT: 13.20 min Scan# 1914
Delta R.T. -0.00 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	6.0	9.0
122	13.9	10.3	15.5





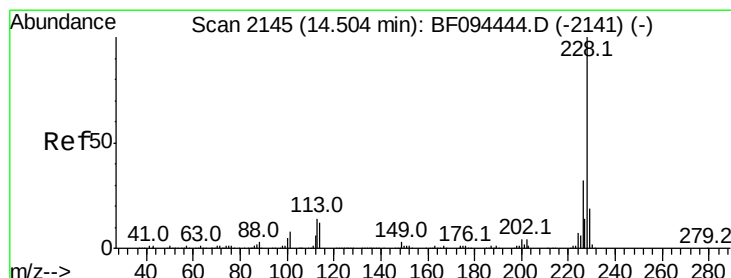
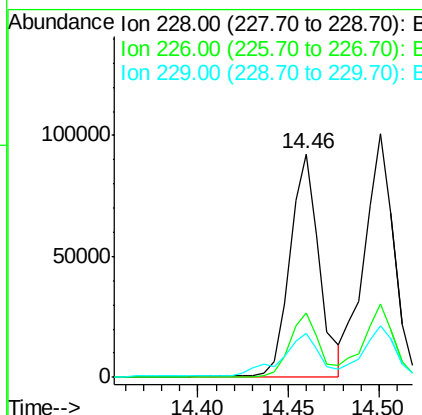
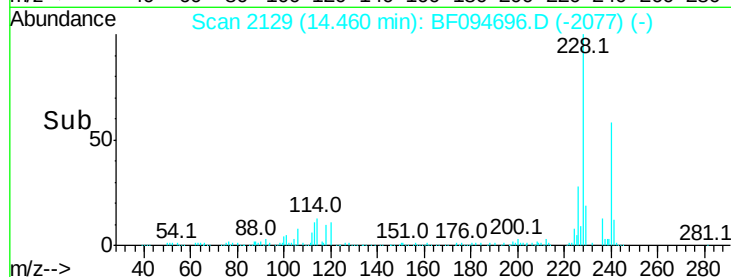
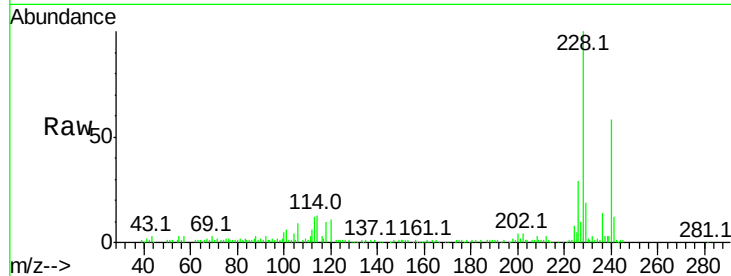
#80
Benzo(a)anthracene
Concen: 8.78 ng
RT: 14.46 min Scan# 2129
Delta R.T. 0.00 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	19.4	16.3	24.5

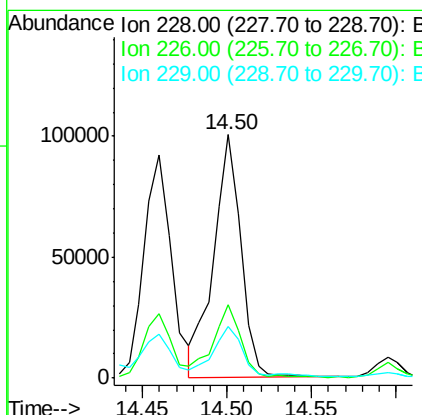
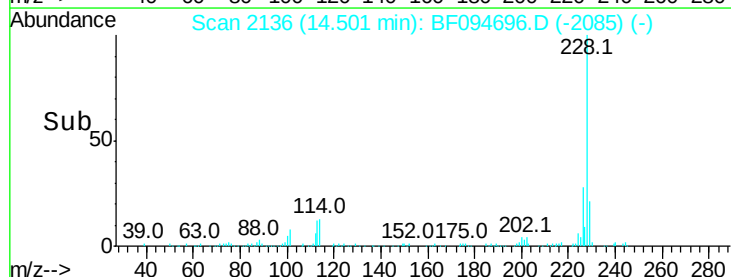
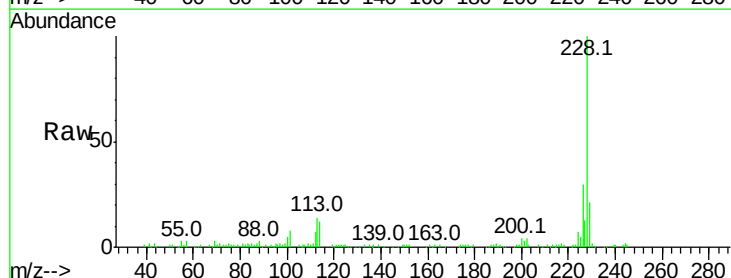
Manual Integrations
APPROVED

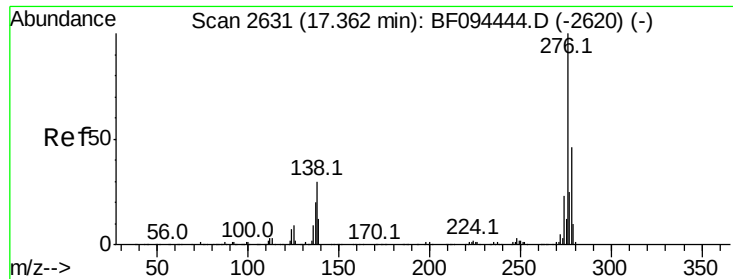
mohammad
5/1/2017 6:40:26 PM



#82
Chrysene
Concen: 10.34 ng
RT: 14.50 min Scan# 2136
Delta R.T. -0.00 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.9	37.3
229	21.3	15.8	23.6





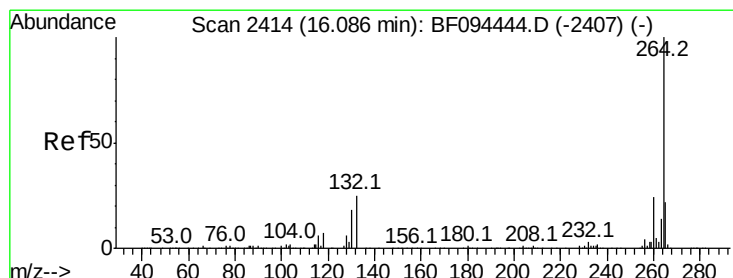
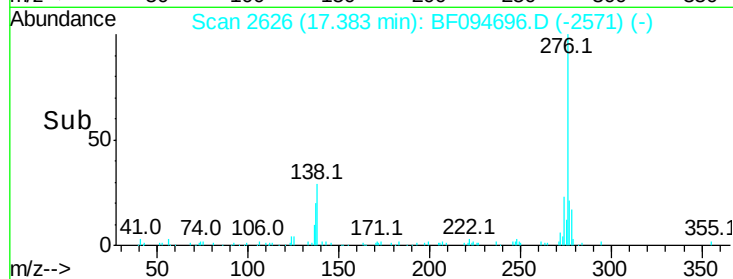
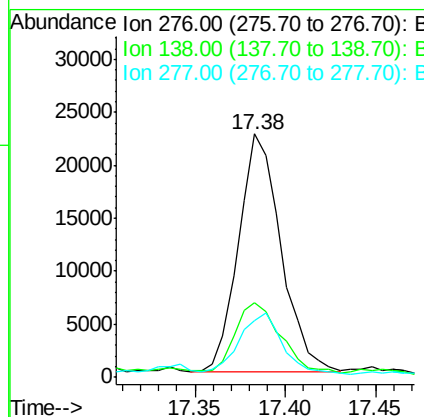
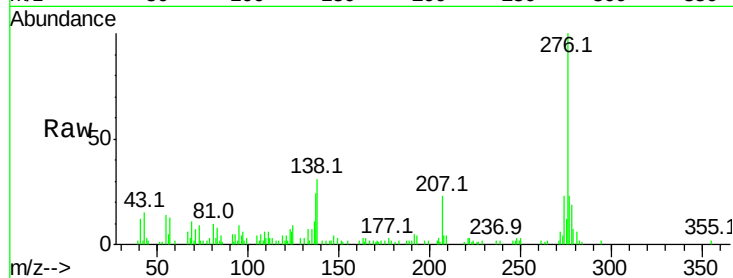
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.48 ng
 RT: 17.38 min Scan# 2626
 Delta R.T. 0.02 min
 Lab File: BF094696.D
 Acq: 28 Apr 2017 20:58

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMP

Tot Ion:	276	Resp:	36533
Ion Ratio	Lower	Upper	
276	100		
138	33.7	27.8	41.6
277	26.4	20.2	30.4

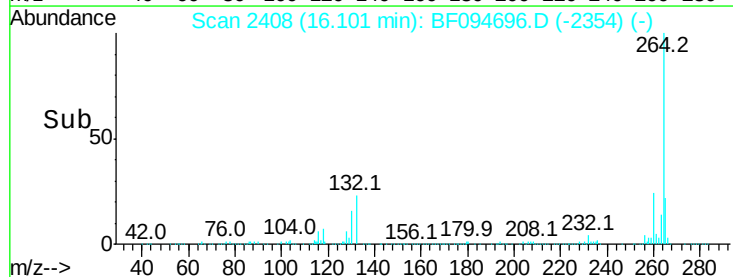
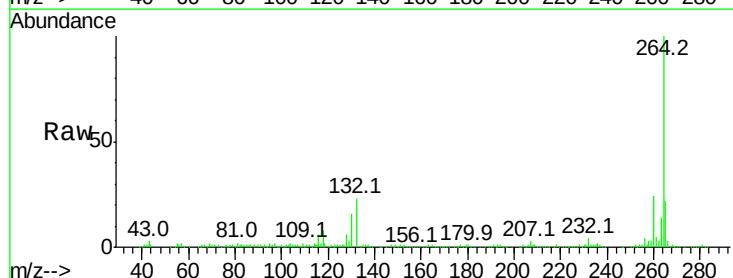
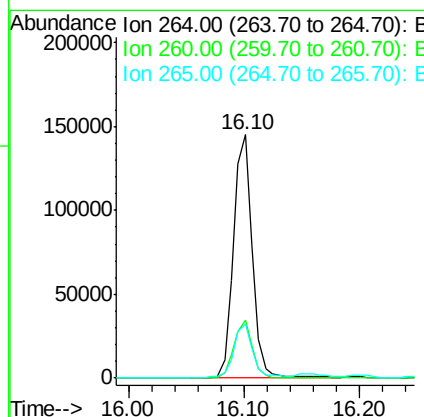
Manual Integrations
 APPROVED

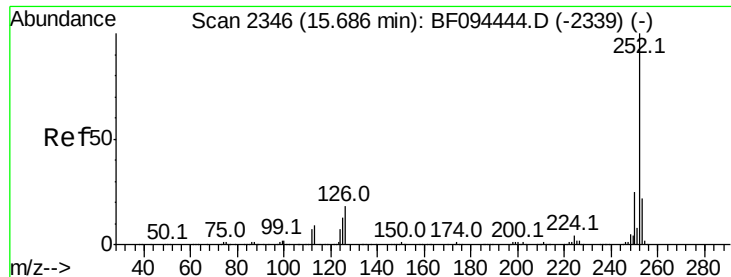
mohammad
 5/1/2017 6:40:26 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.10 min Scan# 2408
 Delta R.T. 0.01 min
 Lab File: BF094696.D
 Acq: 28 Apr 2017 20:58

Tgt Ion:	264	Resp:	163758
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.5	29.3
265	22.2	17.2	25.8





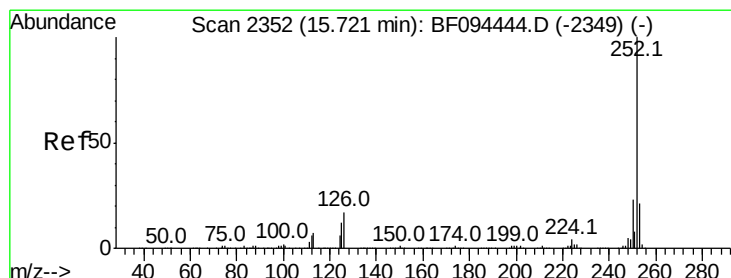
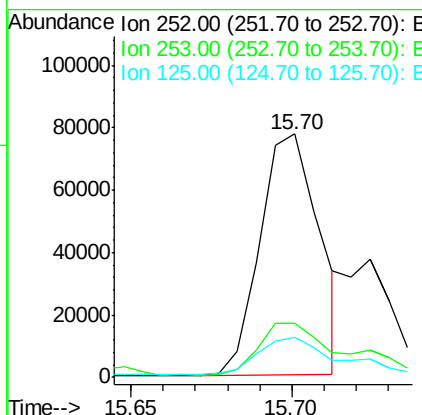
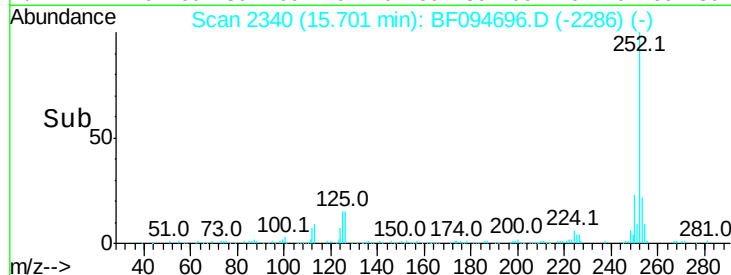
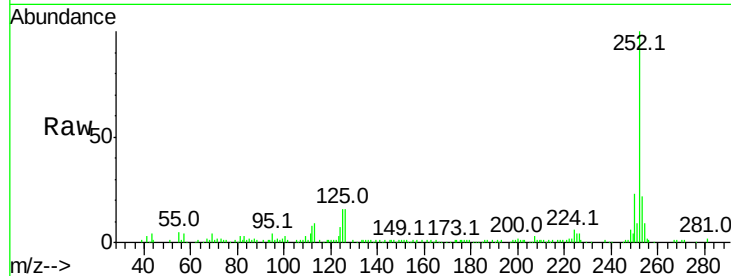
#87
Benzo(b)fluoranthene
Concen: 9.89 ng m
RT: 15.70 min Scan# 2340
Delta R.T. 0.01 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	16.4	9.8	14.8

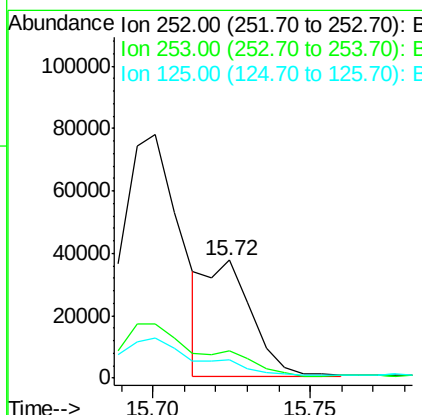
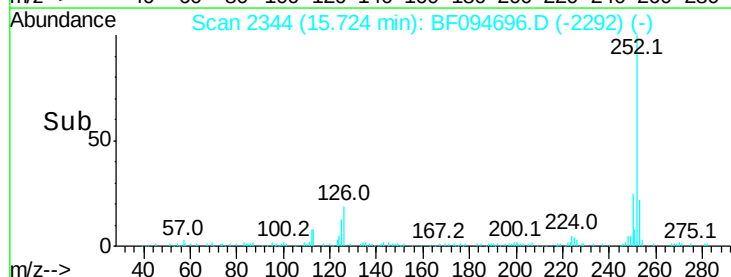
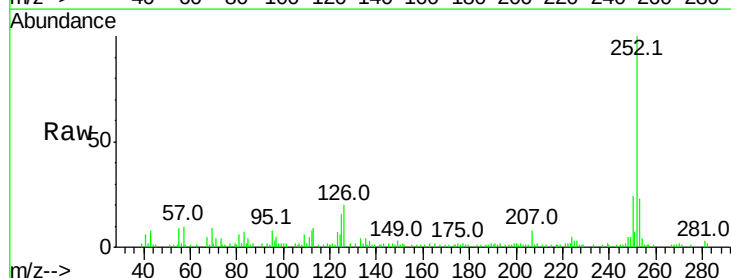
Manual Integrations
APPROVED

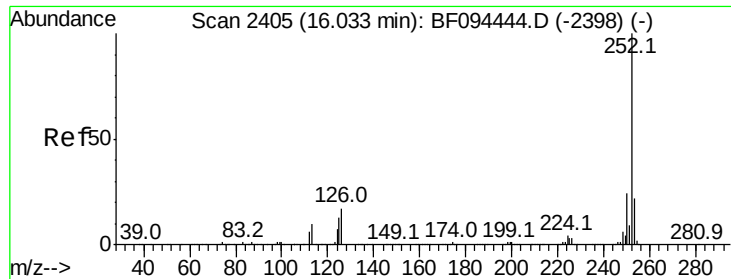
mohammad
5/1/2017 6:40:26 PM



#88
Benzo(k)fluoranthene
Concen: 3.97 ng m
RT: 15.72 min Scan# 2344
Delta R.T. 0.00 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	15.7	13.1	19.7





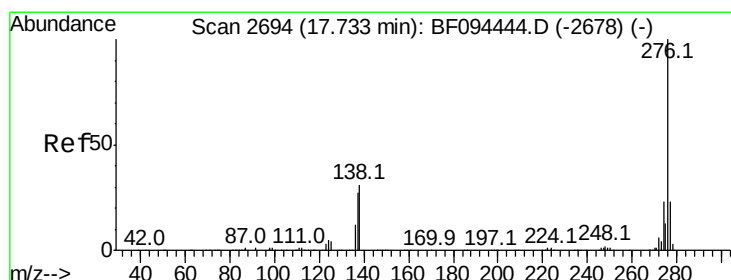
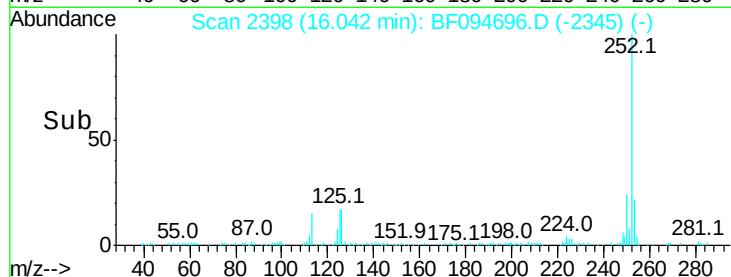
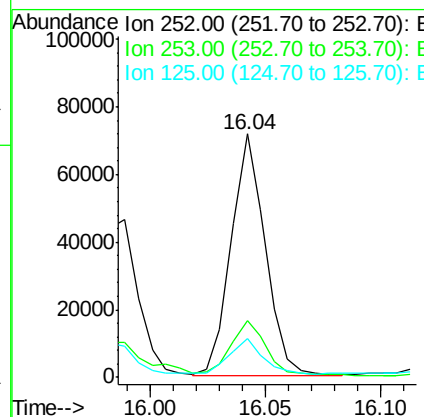
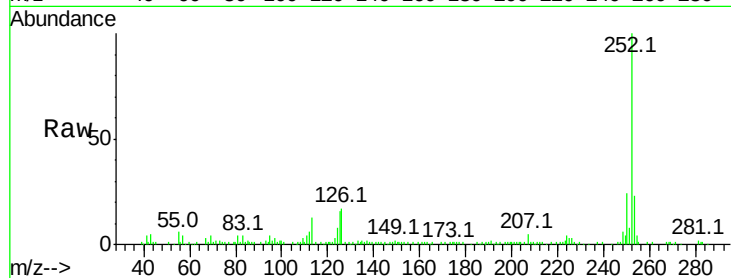
#89
Benzo(a)pyrene
Concen: 7.91 ng
RT: 16.04 min Scan# 2398
Delta R.T. 0.01 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	15.7	11.0	16.4

Manual Integrations
APPROVED

mohammad
5/1/2017 6:40:26 PM



#91
Benzo(g,h,i)perylene
Concen: 5.02 ng
RT: 17.76 min Scan# 2690
Delta R.T. 0.03 min
Lab File: BF094696.D
Acq: 28 Apr 2017 20:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.1	18.6	28.0
138	33.3	25.4	38.0

