

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097276.D
 Acq On : 2 Aug 2017 16:34
 Operator : SJ/JU
 Sample : I4497-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

Sohil
 8/3/2017 6:08:03 PM

Quant Time: Aug 02 17:14:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 17:05:06 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	111838	20.00	ng	0.00
21) Naphthalene-d8	7.73	136	475660	20.00	ng	0.00
38) Acenaphthene-d10	9.47	164	188349	20.00	ng	0.00
63) Phenanthrene-d10	10.95	188	337293	20.00	ng	0.00
75) Chrysene-d12	13.57	240	262616	20.00	ng	-0.01
86) Perylene-d12	14.91	264	173616	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	693899	93.53	ng	0.00
7) Phenol-d6	6.12	99	859808	101.52	ng	0.00
23) Nitrobenzene-d5	7.02	82	462251	57.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.26	330	157231	105.66	ng	0.00
44) 2-Fluorobiphenyl	8.81	172	755940	68.11	ng	0.00
78) Terphenyl-d14	12.53	244	615435	47.78	ng	0.00
Target Compounds						
10) Phenol	6.13	94	39685	3.950	ng	Qvalue # 67
49) Dimethylphthalate	9.21	163	242513	16.956	ng	99
70) Phenanthrene	10.97	178	85079	4.708	ng	97
74) Fluoranthene	12.15	202	111957	6.324	ng	99
77) Pyrene	12.37	202	95018	4.420	ng	99
80) Benzo(a)anthracene	13.56	228	40826	2.403	ng	99
87) Benzo(b)fluoranthene	14.56	252	30362m	2.909	ng	
89) Benzo(a)pyrene	14.86	252	21164	2.216	ng	98

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

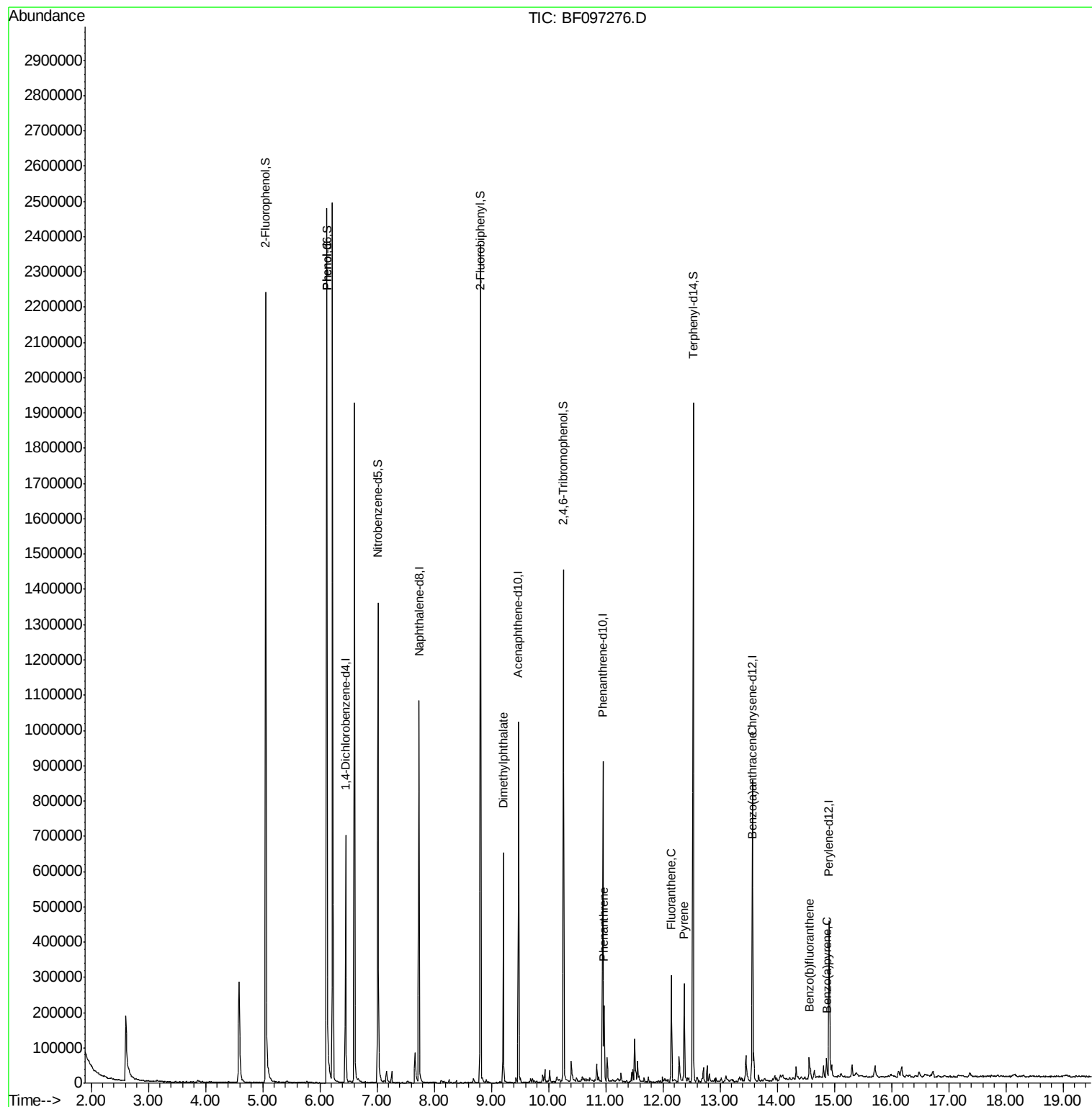
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097276.D
Acq On : 2 Aug 2017 16:34
Operator : SJ/JU
Sample : I4497-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

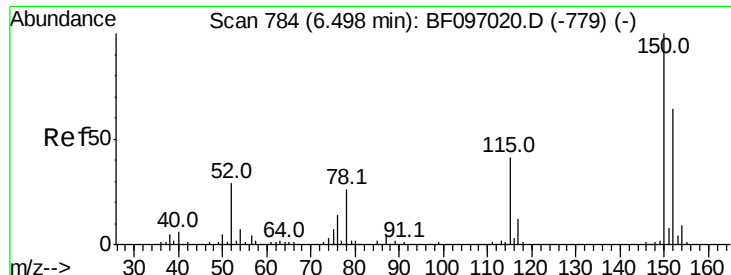
Instrument :
BNA_F
ClientSampleId :
TP-1

Quant Time: Aug 02 17:14:44 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 02 17:05:06 2017
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:03 PM





#1

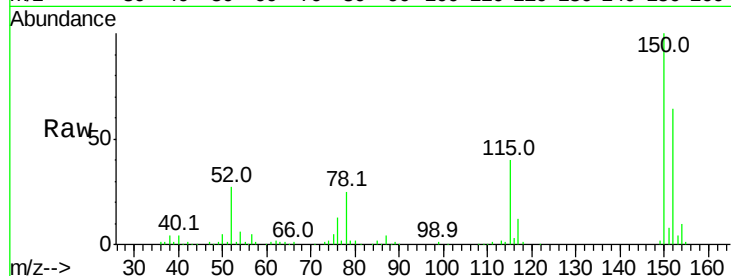
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.00 min
Lab File: BF097276.D
Acq: 2 Aug 2017 16:34

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	126.2	189.2
115	62.7	52.2	78.2

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:03 PM

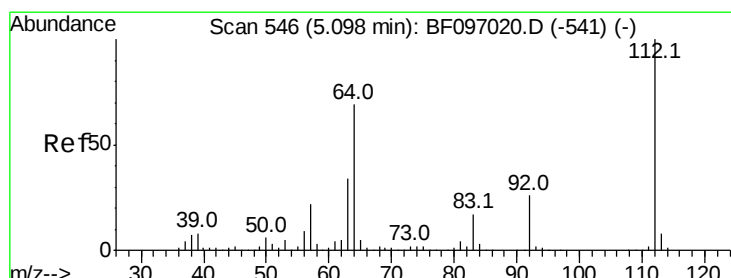
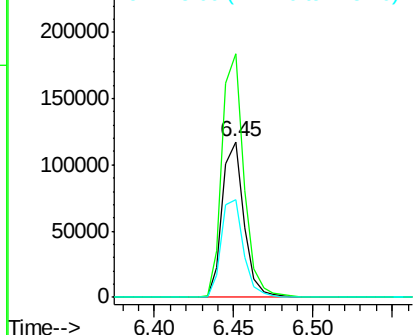
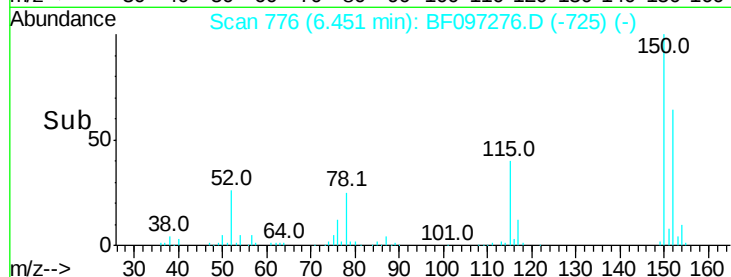


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

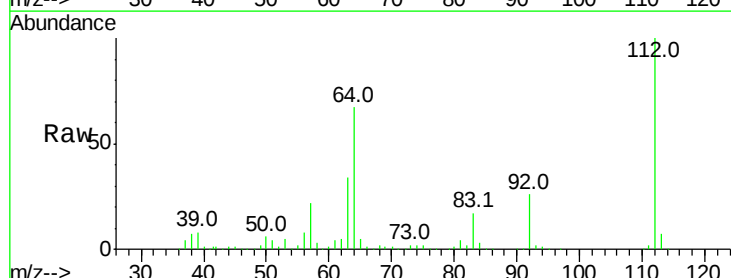
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 93.532 ng
RT: 5.05 min Scan# 538
Delta R.T. -0.00 min
Lab File: BF097276.D
Acq: 2 Aug 2017 16:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	46.0	69.0
63	34.3	23.4	35.0

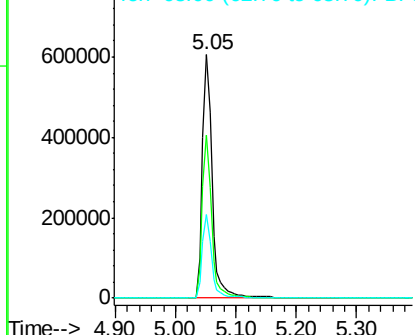
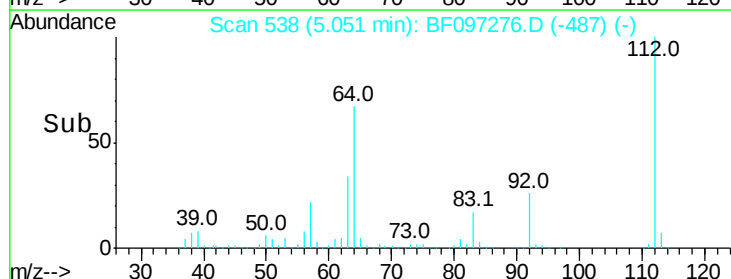


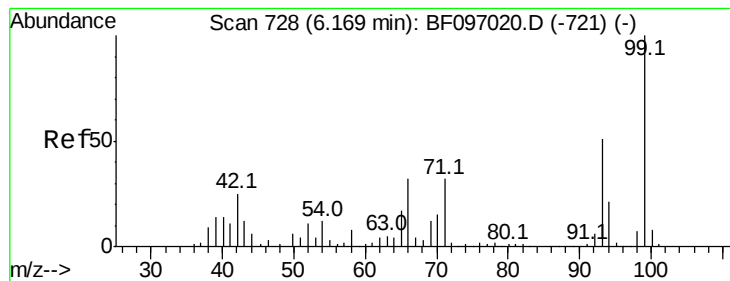
Abundance

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: 101.518 ng

RT: 6.12 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF097276.D

Acq: 2 Aug 2017 16:34

Instrument :

BNA_F

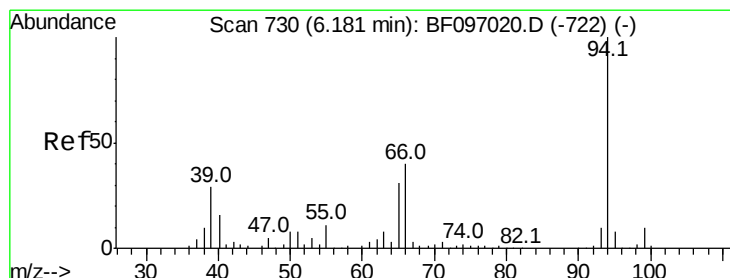
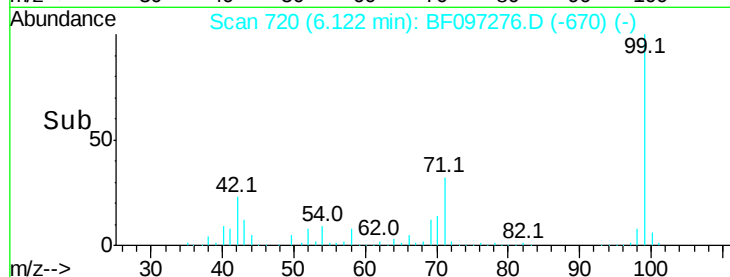
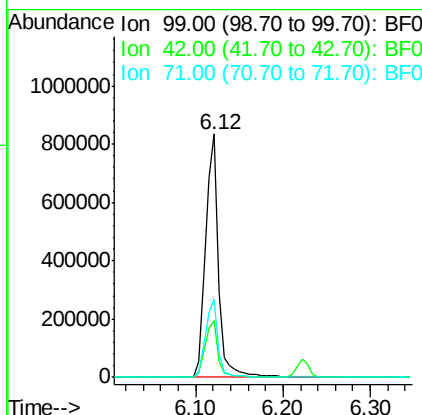
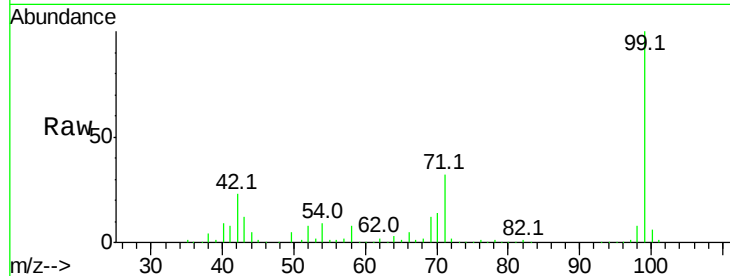
ClientSampled :

TP-1

Tot Ion:	99	Resp:	859808
Ion Ratio	Lower	Upper	
99	100		
42	23.2	13.5	20.3#
71	32.2	24.5	36.7

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:03 PM



#10

Phenol

Concen: 3.950 ng

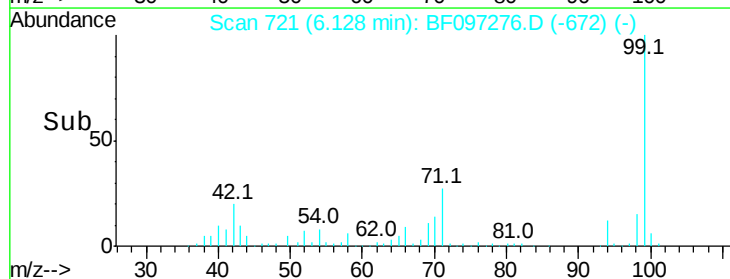
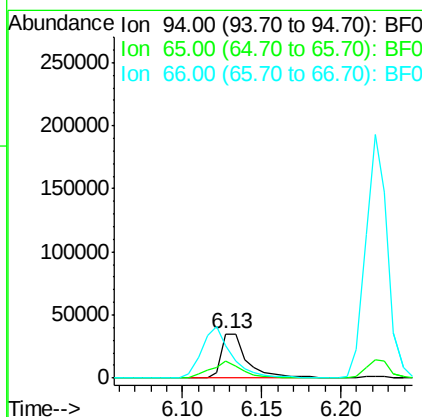
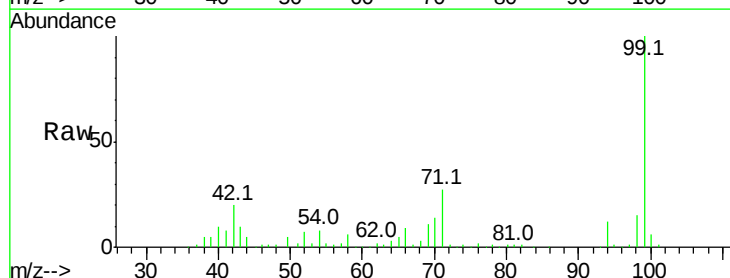
RT: 6.13 min Scan# 721

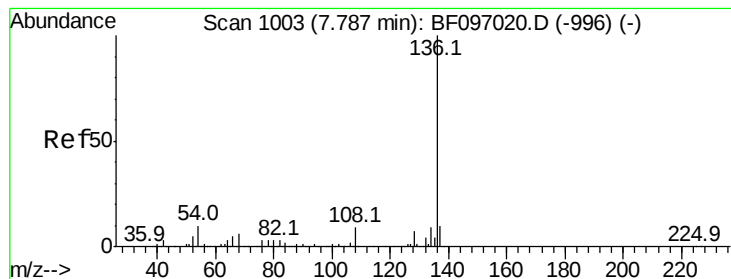
Delta R.T. -0.01 min

Lab File: BF097276.D

Acq: 2 Aug 2017 16:34

Tgt Ion:	94	Resp:	39685
Ion Ratio	Lower	Upper	
94	100		
65	37.5	9.9	49.9
66	72.7	23.1	63.1#





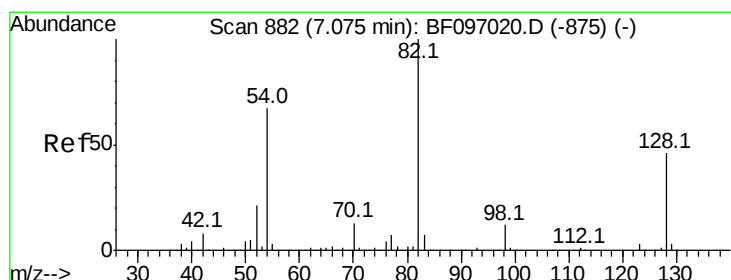
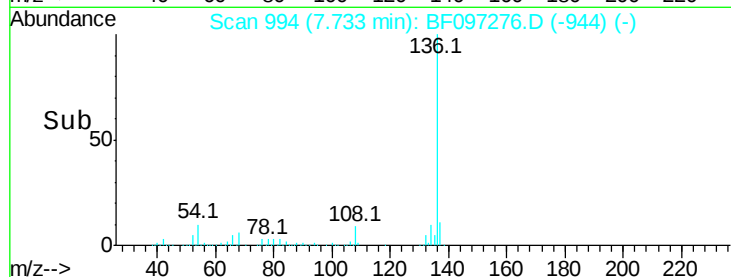
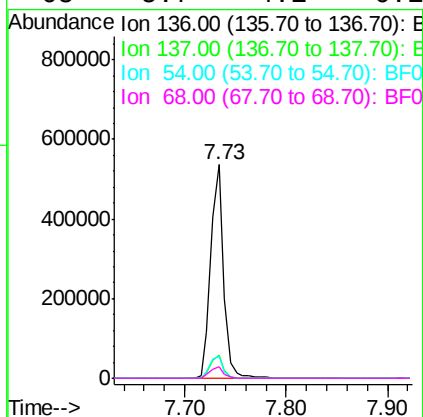
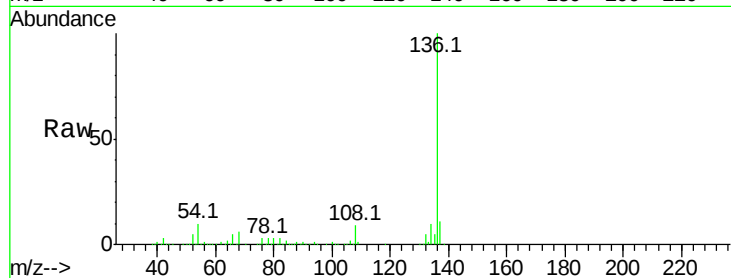
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.73 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF097276.D
Acq: 2 Aug 2017 16:34

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		475660		
137	10.9		8.5	12.7	
54	10.3		4.9	7.3#	
68	5.7		4.1	6.1	

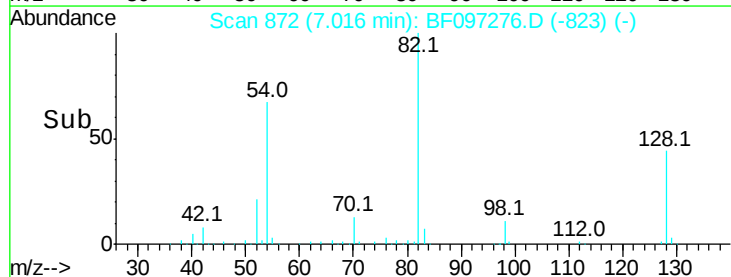
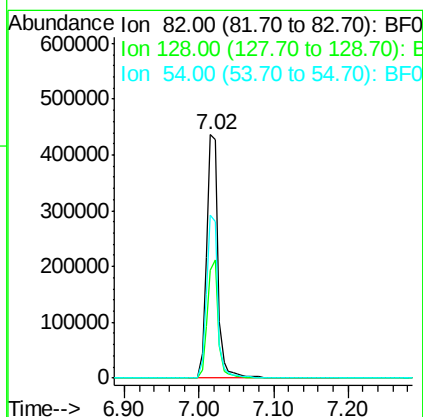
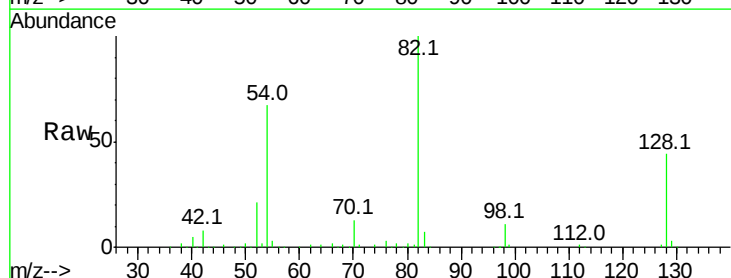
Manual Integrations
APPROVED

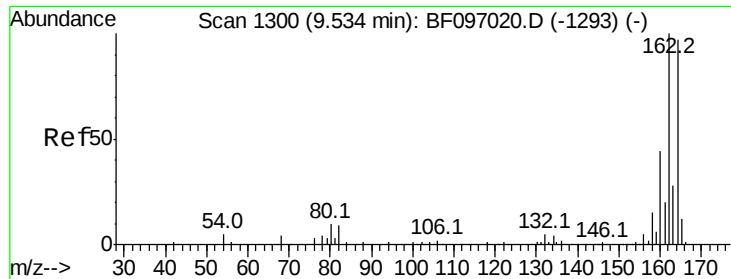
Sohil
8/3/2017 6:08:03 PM



#23
Nitrobenzene-d5
Concen: 57.010 ng
RT: 7.02 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF097276.D
Acq: 2 Aug 2017 16:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		462251		
128	44.5		34.0	51.0	
54	66.7		42.2	63.2#	





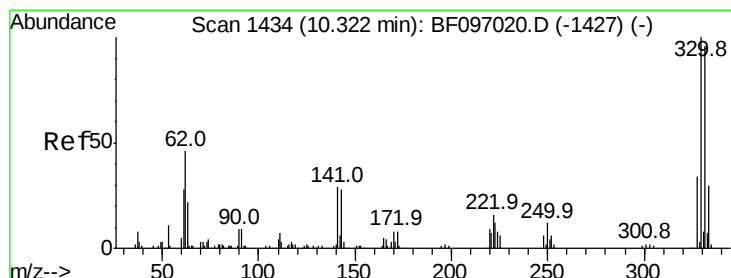
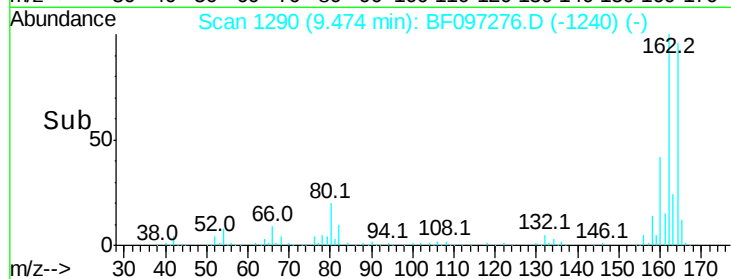
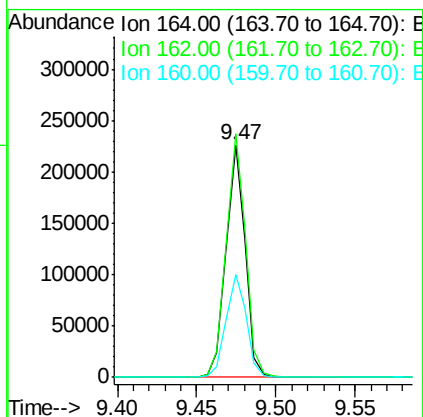
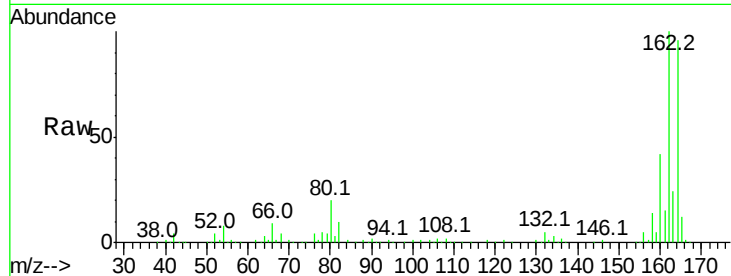
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: BF097276.D
 Acq: 2 Aug 2017 16:34

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.7	82.6	123.8
160	44.3	36.2	54.2

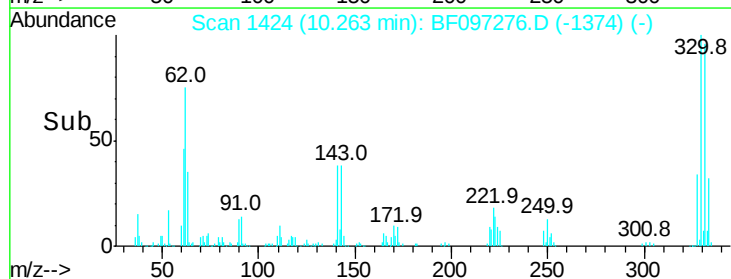
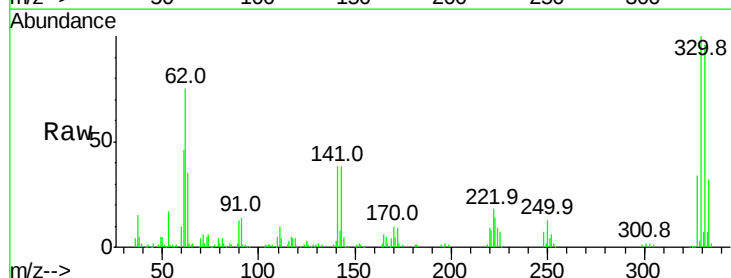
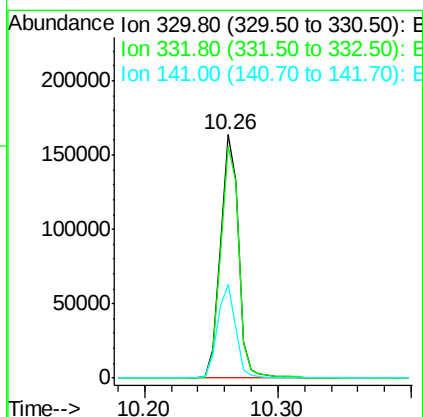
Manual Integrations
 APPROVED

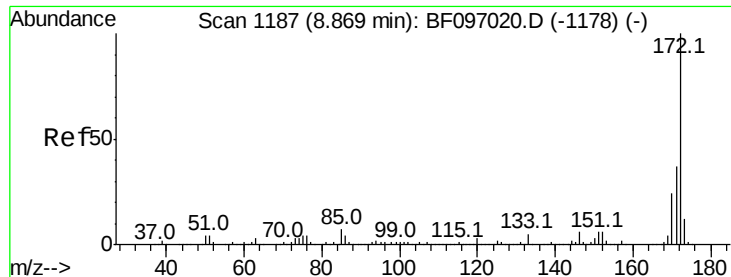
Sohil
 8/3/2017 6:08:03 PM



#41
 2,4,6-Tribromophenol
 Concen: 105.656 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF097276.D
 Acq: 2 Aug 2017 16:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	115.0
141	38.7	31.4	47.2





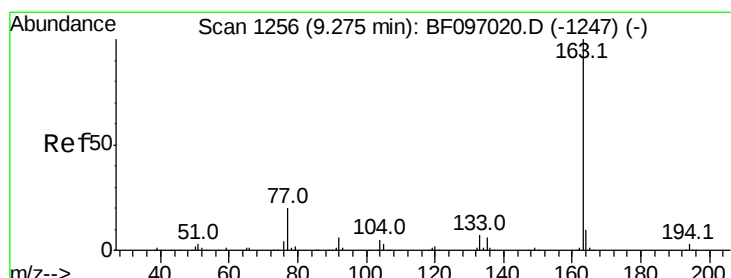
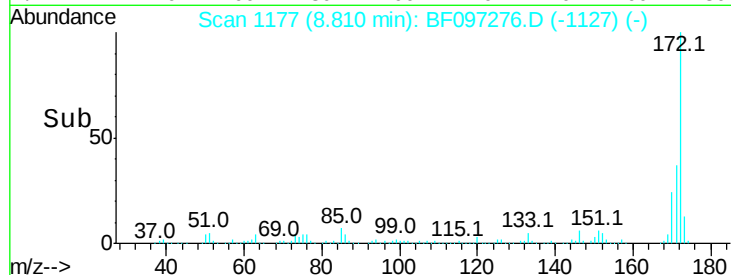
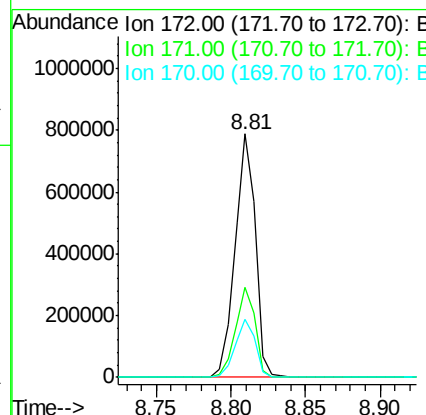
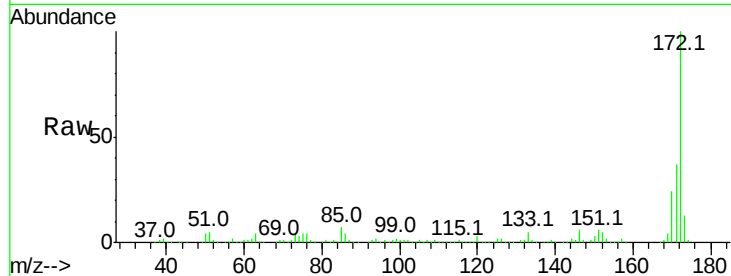
#44
2-Fluorobiphenyl
Concen: 68.113 ng
RT: 8.81 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF097276.D
Acq: 2 Aug 2017 16:34

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.9		29.6	44.4
170	23.9		19.8	29.8

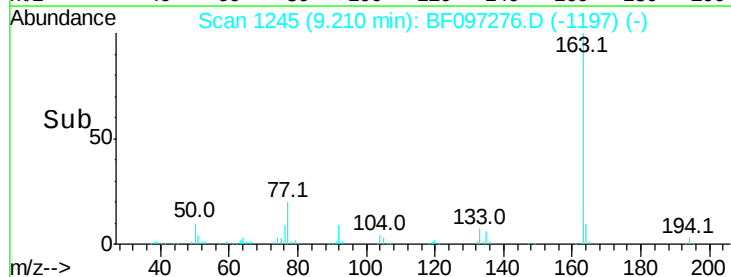
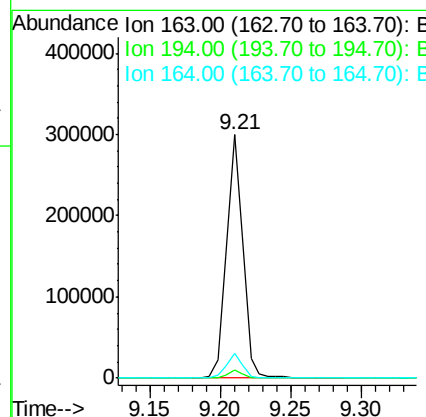
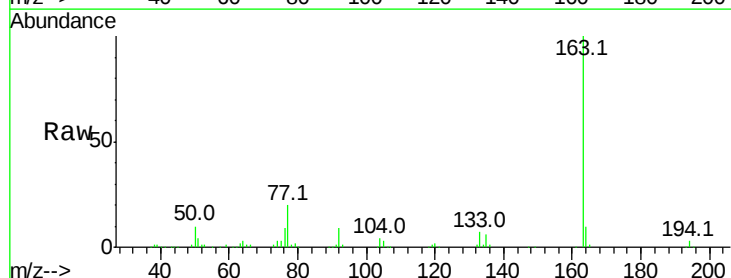
Manual Integrations
APPROVED

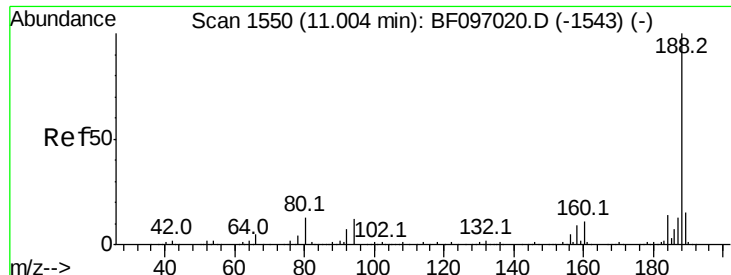
Sohil
8/3/2017 6:08:03 PM



#49
Dimethylphthalate
Concen: 16.956 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF097276.D
Acq: 2 Aug 2017 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.2		2.6	4.0
164	10.1		8.4	12.6





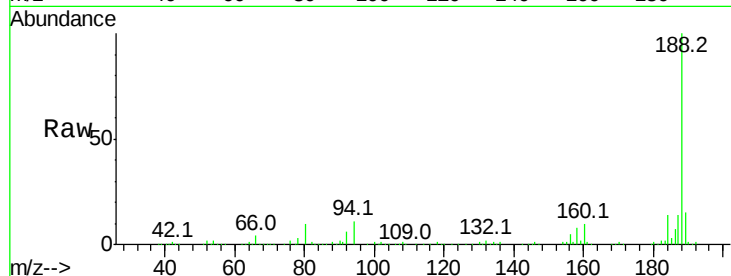
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.95 min Scan# 1541
Delta R.T. -0.00 min
Lab File: BF097276.D
Acq: 2 Aug 2017 16:34

Instrument :
BNA_F
ClientSampleId :
TP-1

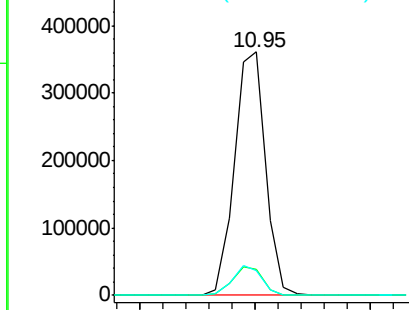
Tot Ion	Ratio	Resp	Lower	Upper
188	100	337293		
94	10.8		9.4	14.2
80	10.4		10.2	15.2

Manual Integrations
APPROVED

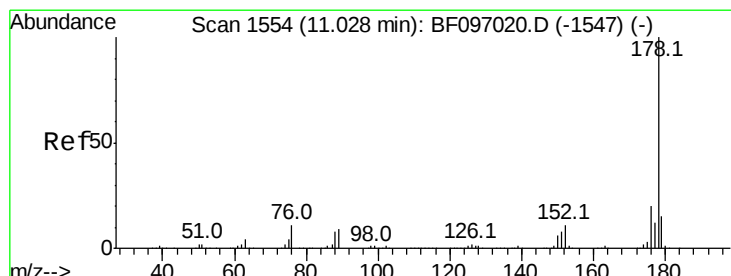
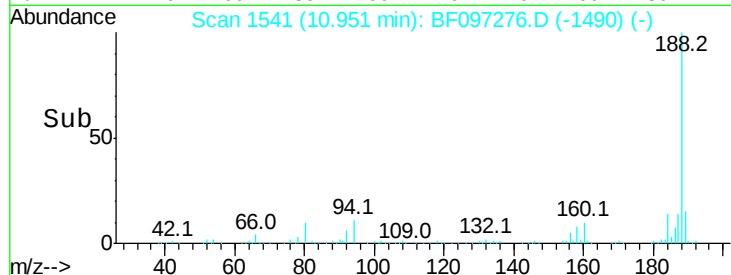
Sohil
8/3/2017 6:08:03 PM



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



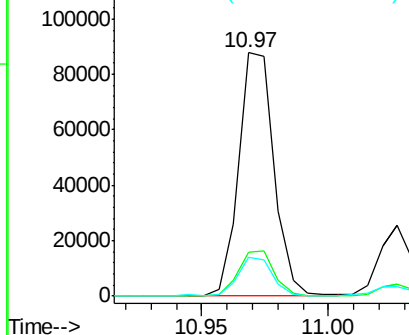
Time--> 10.90 10.95 11.00



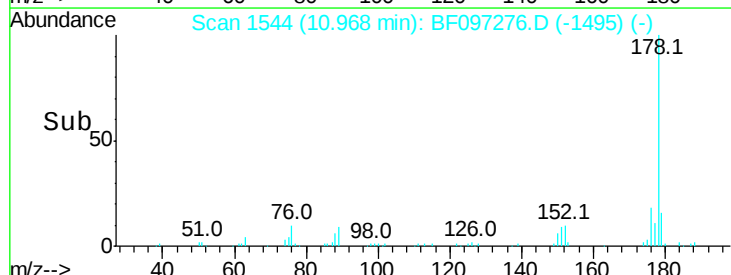
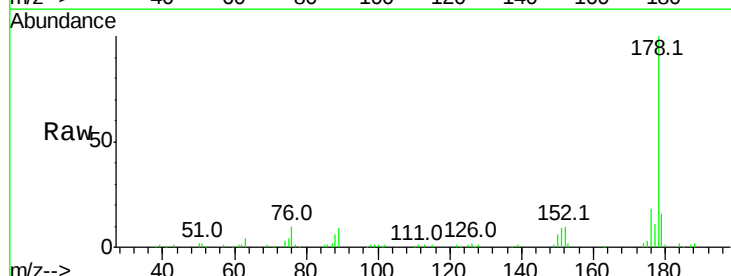
#70
Phenanthrene
Concen: 4.708 ng
RT: 10.97 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF097276.D
Acq: 2 Aug 2017 16:34

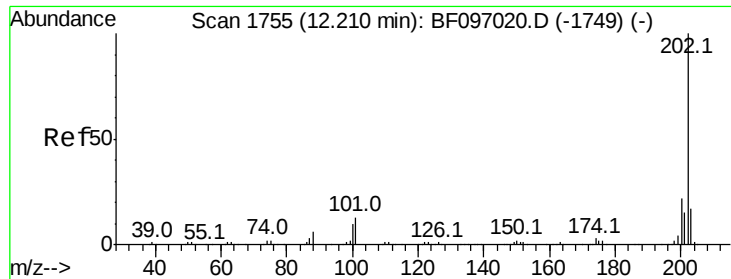
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	85079		
176	18.3		16.2	24.4
179	15.8		12.6	19.0

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



Time--> 10.95 11.00





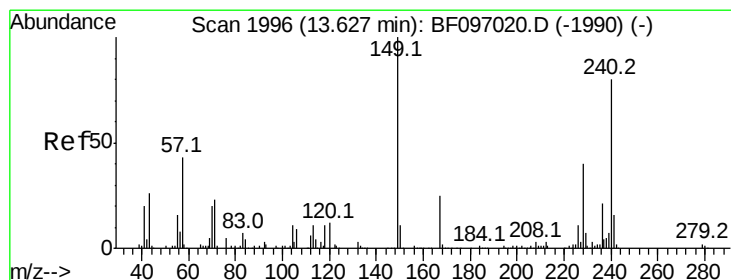
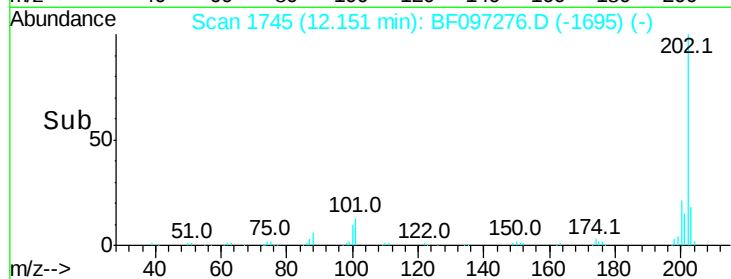
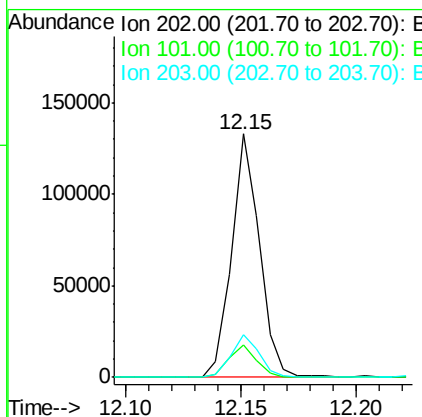
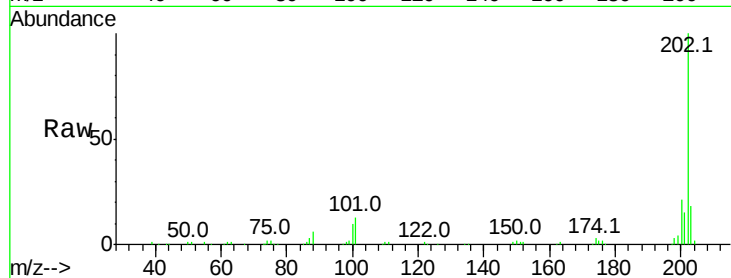
#74
Fluoranthene
 Concen: 6.324 ng
 RT: 12.15 min Scan# 1745
 Delta R.T. -0.01 min
 Lab File: BF097276.D
 Acq: 2 Aug 2017 16:34

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.4	0.0	33.2
203	17.6	0.0	38.1

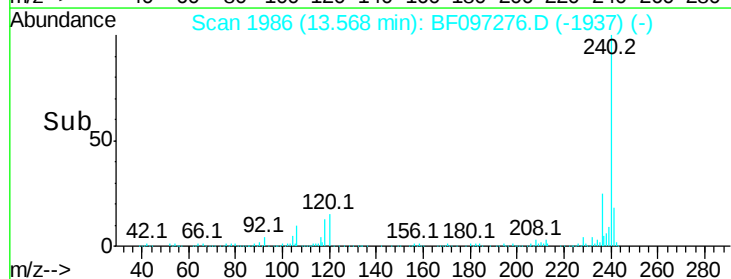
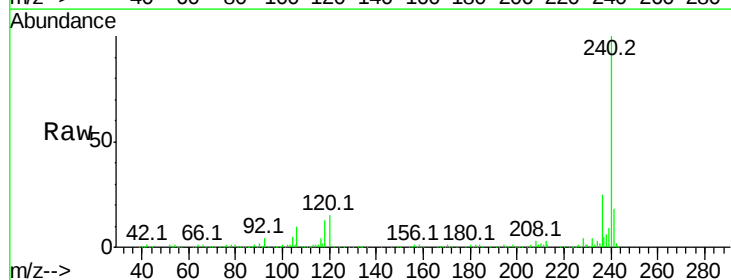
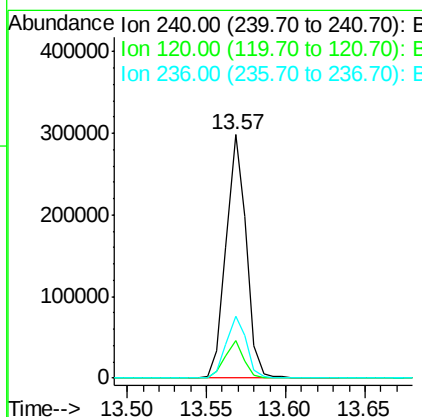
Manual Integrations
 APPROVED

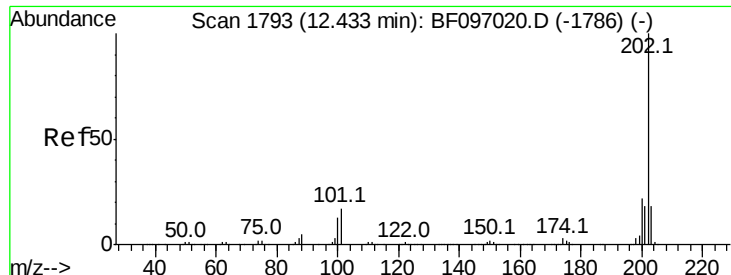
Sohil
 8/3/2017 6:08:03 PM



#75
Chrysene-d12
 Concen: 20.000 ng
 RT: 13.57 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: BF097276.D
 Acq: 2 Aug 2017 16:34

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.2	5.8	8.8#
236	25.3	20.5	30.7





#77

Pvrene

Concen: 4.420 ng

RT: 12.37 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF097276.D

Acq: 2 Aug 2017 16:34

Instrument :

BNA_F

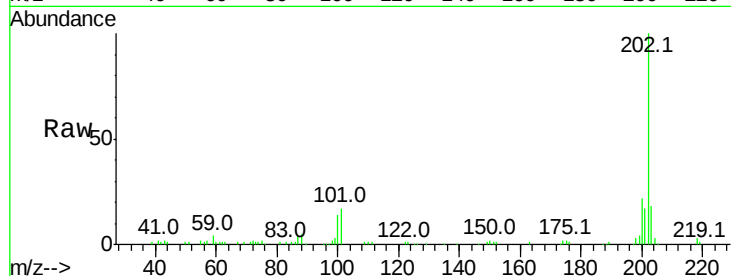
ClientSampled :

TP-1

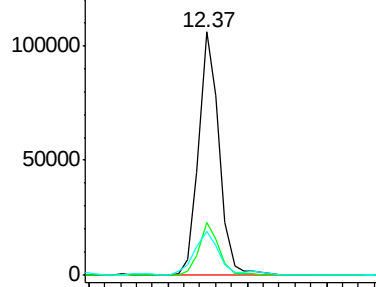
Tot Ion:	202	Resp:	95018
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.6	26.4
203	17.8	14.4	21.6

Manual Integrations
APPROVED

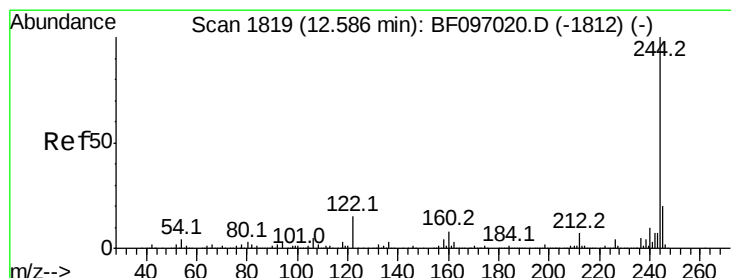
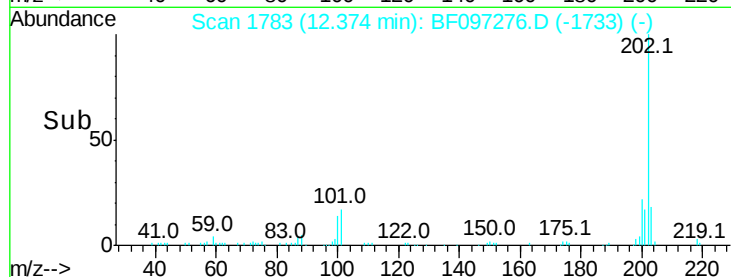
Sohil
8/3/2017 6:08:03 PM



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



Time--> 12.30 12.35 12.40 12.45



#78

Terphenyl-d14

Concen: 47.780 ng

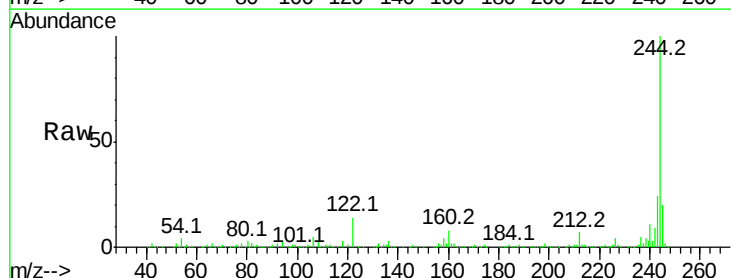
RT: 12.53 min Scan# 1810

Delta R.T. -0.01 min

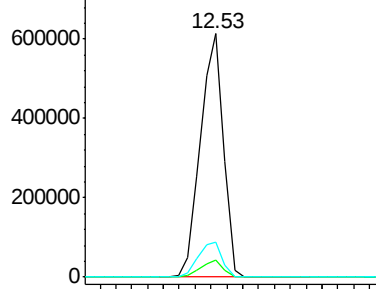
Lab File: BF097276.D

Acq: 2 Aug 2017 16:34

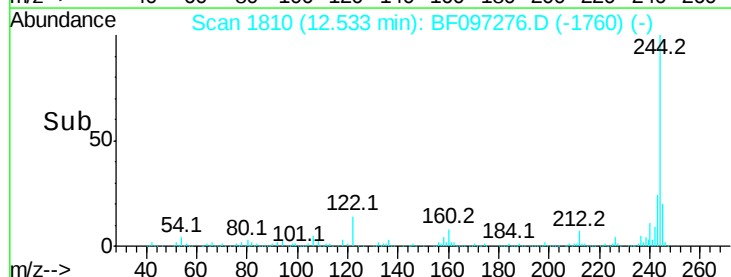
Tgt Ion:	244	Resp:	615435
Ion Ratio	Lower	Upper	
244	100		
212	6.8	6.0	9.0
122	14.2	10.3	15.5

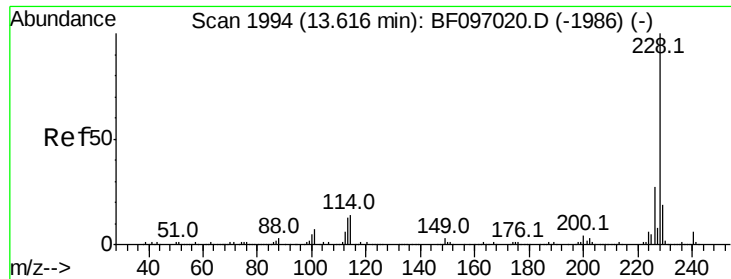


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time--> 12.50 12.55 12.60





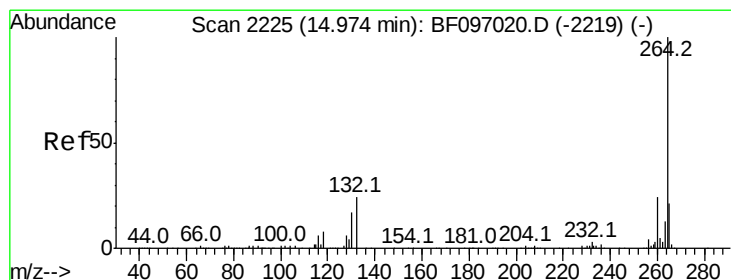
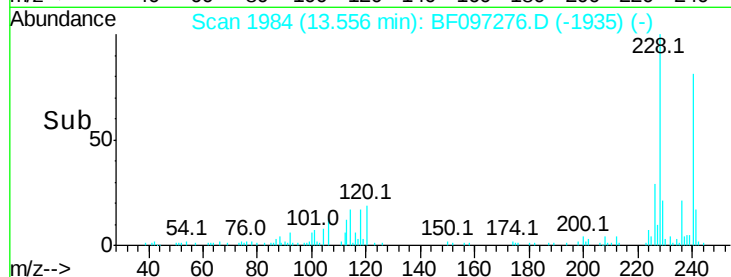
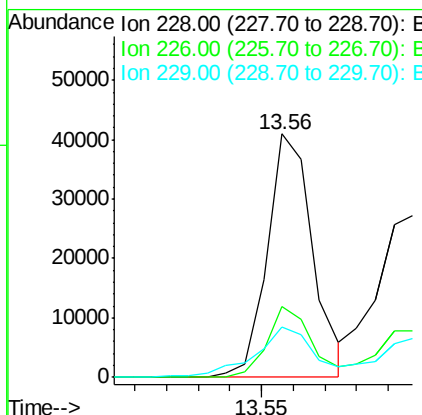
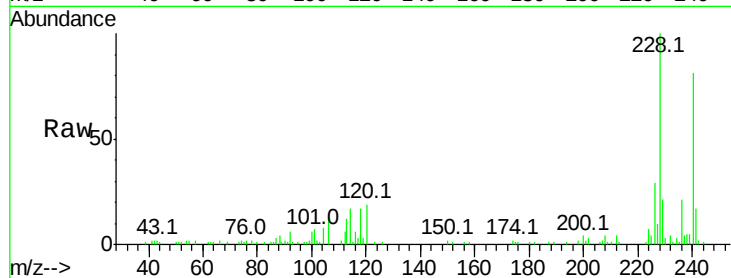
#80
Benzo(a)anthracene
Concen: 2.403 ng
RT: 13.56 min Scan# 1984
Delta R.T. -0.01 min
Lab File: BF097276.D
Acq: 2 Aug 2017 16:34

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	20.7	16.3	24.5

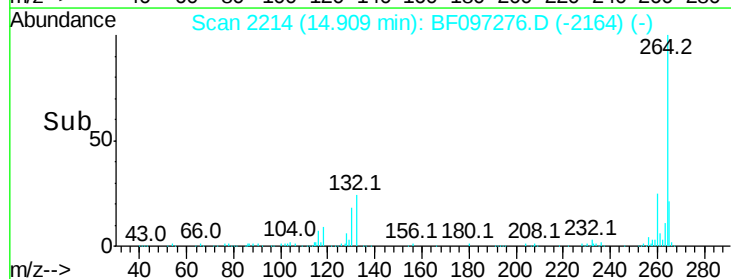
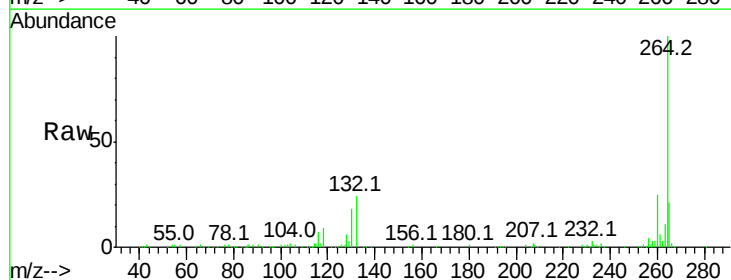
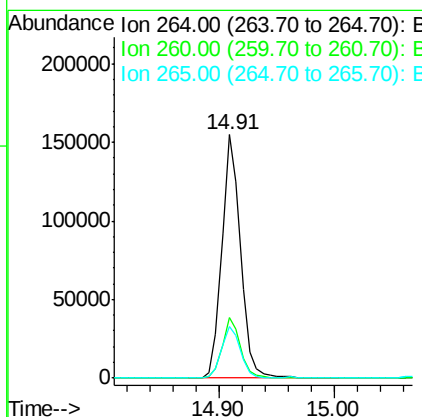
Manual Integrations
APPROVED

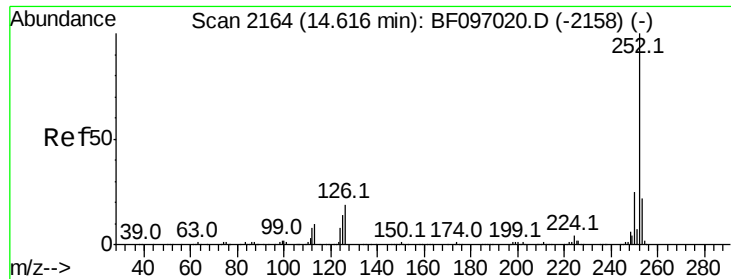
Sohil
8/3/2017 6:08:03 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097276.D
Acq: 2 Aug 2017 16:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	21.2	17.2	25.8





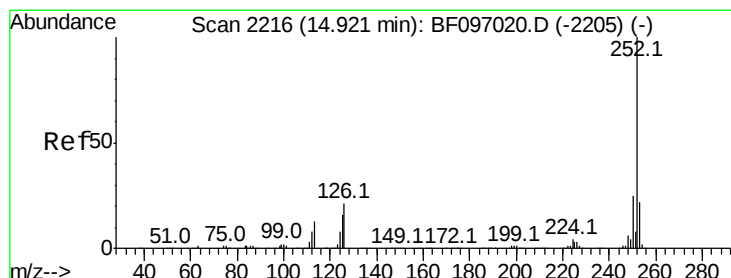
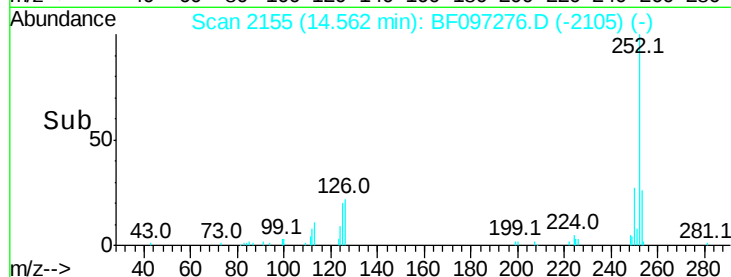
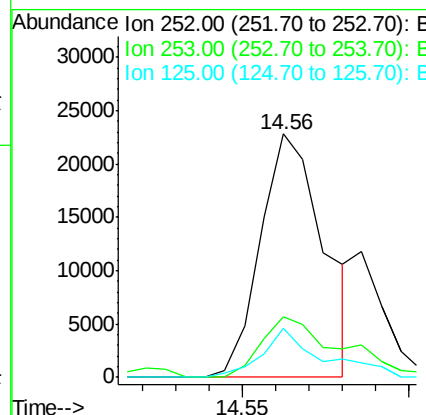
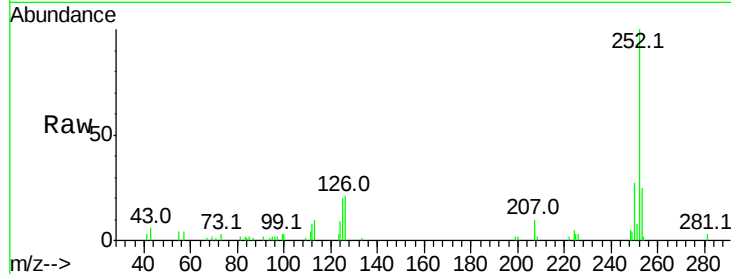
#87
Benzo(b)fluoranthene
Concen: 2.909 ng m
RT: 14.56 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BF097276.D
Acq: 2 Aug 2017 16:34

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.1	27.1
125	20.1	9.8	14.8

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:03 PM



#89
Benzo(a)pyrene
Concen: 2.216 ng
RT: 14.86 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF097276.D
Acq: 2 Aug 2017 16:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	12.5	11.0	16.4

