

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
 Data File : BF099814.D
 Acq On : 25 Oct 2017 15:38
 Operator : SJ/JU
 Sample : I6069-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-102017

Manual Integrations
 APPROVED

Quant Time: Oct 25 17:15:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 17:02:52 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	97176	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	402118	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	182845	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	312349	20.00	ng	0.00
75) Chrysene-d12	13.98	240	198215	20.00	ng	0.00
86) Perylene-d12	15.46	264	196427	20.00	ng	0.01

Sohil

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	317905	51.36	ng	0.00
7) Phenol-d6	6.43	99	385072	52.47	ng	0.00
23) Nitrobenzene-d5	7.36	82	217130	34.76	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	84618	50.78	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	426797	36.01	ng	0.00
78) Terphenyl-d14	12.92	244	311872	34.38	ng	0.00

10/27/2017 8:58:51 AM

Target Compounds

						Qvalue
10) Phenol	6.45	94	19308	2.396	ng	87
70) Phenanthrene	11.35	178	212189	12.037	ng	98
71) Anthracene	11.41	178	57114	3.192	ng	98
74) Fluoranthene	12.55	202	342001	18.669	ng	97
77) Pyrene	12.78	202	298358	19.795	ng	99
80) Benzo(a)anthracene	13.97	228	124135	9.879	ng	97
82) Chrysene	14.01	228	114650	9.705	ng	98
85) Indeno(1,2,3-cd)pyrene	16.94	276	55764	5.142	ng	100
87) Benzo(b)fluoranthene	15.03	252	144970m	11.688	ng	
88) Benzo(k)fluoranthene	15.05	252	45311m	3.874	ng	
89) Benzo(a)pyrene	15.39	252	100172	8.991	ng	# 96
91) Benzo(a,h,i)perylene	17.39	276	53511	5.525	ng	93

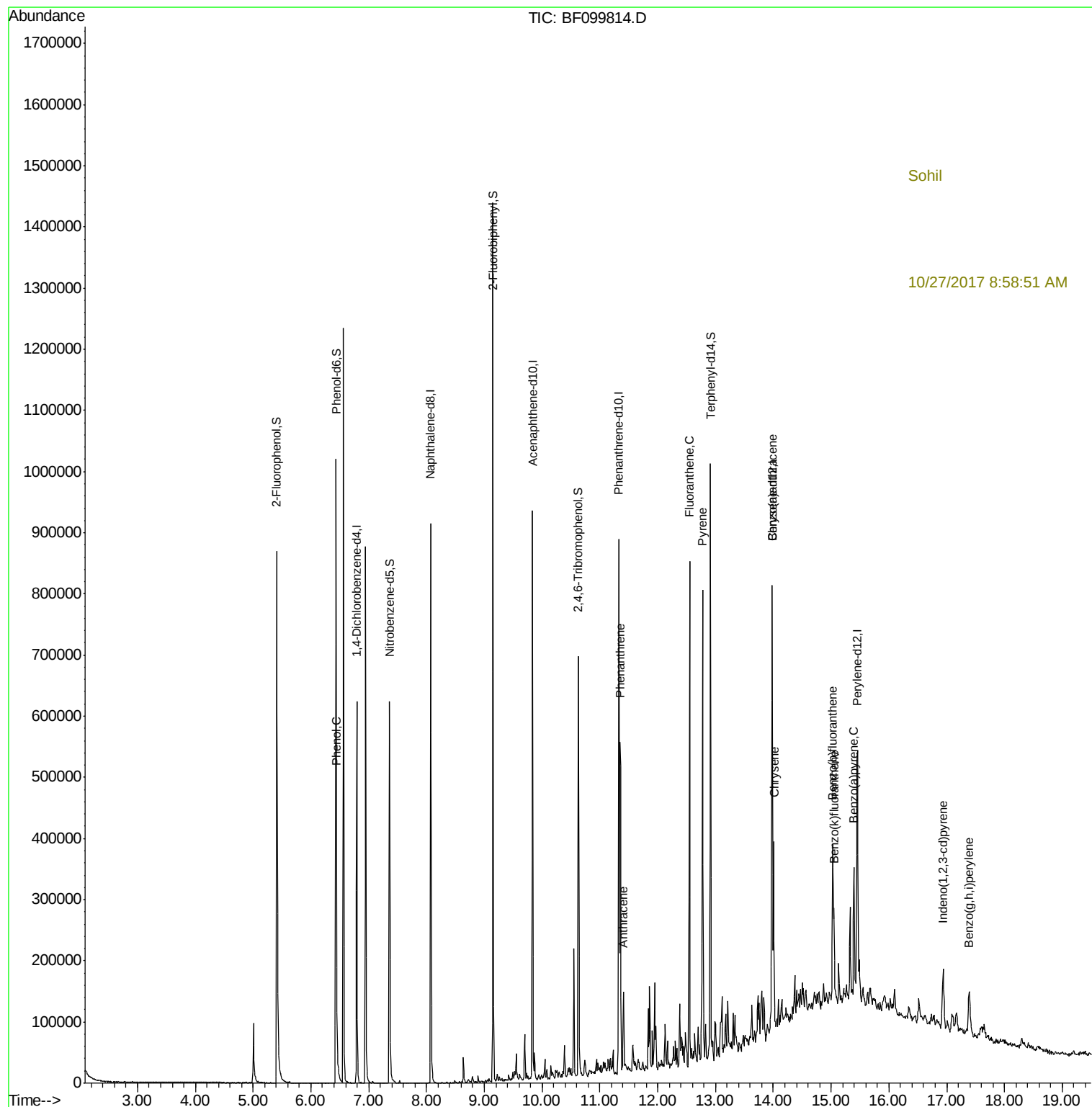
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
Data File : BF099814.D
Acq On : 25 Oct 2017 15:38
Operator : SJ/JU
Sample : I6069-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-102017

Manual Integrations
APPROVED

Quant Time: Oct 25 17:15:58 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 17:02:52 2017
Response via : Initial Calibration



Sohil

10/27/2017 8:58:51 AM



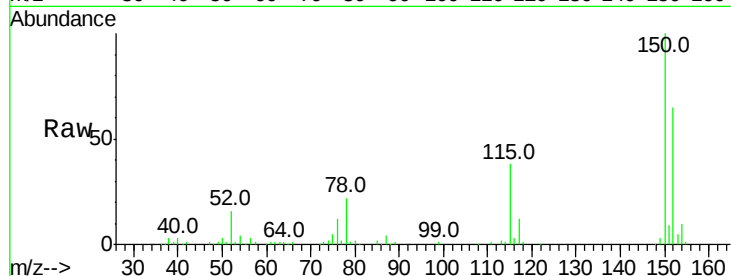
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

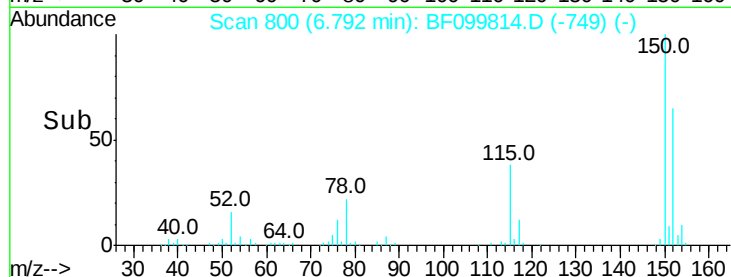
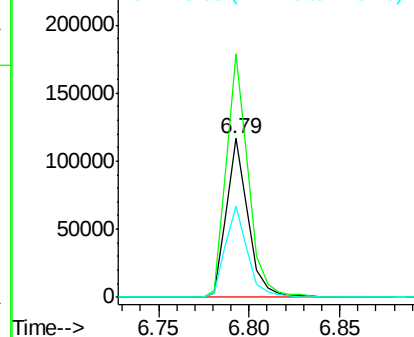
Instrument :
BNA_F
ClientSampleId :
OR-03-102017

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.6	186.8
115	57.9	50.1	75.1

Manual Integrations
APPROVED

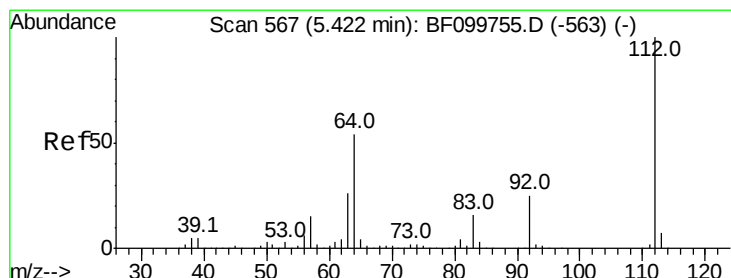


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



Sohil

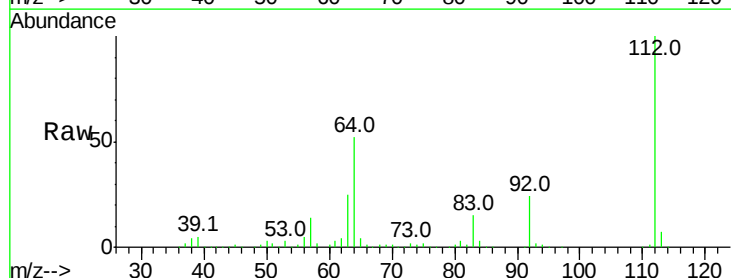
10/27/2017 8:58:51 AM



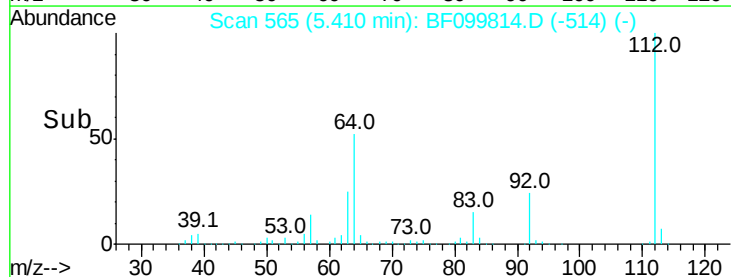
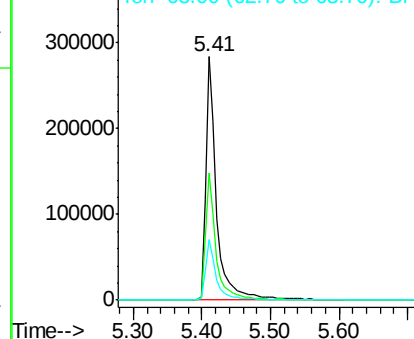
#5

2-Fluorophenol
Concen: 51.360 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	47.9	71.9
63	25.1	23.7	35.5



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: 52.468 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099814.D

Acq: 25 Oct 2017 15:38

Instrument :

BNA_F

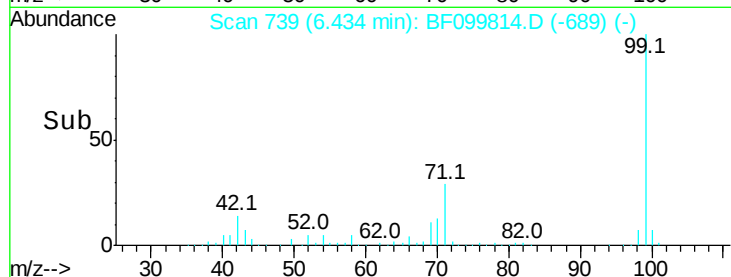
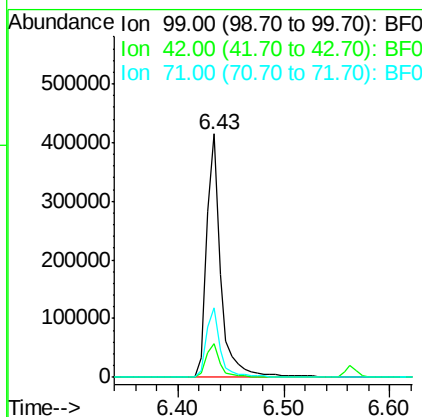
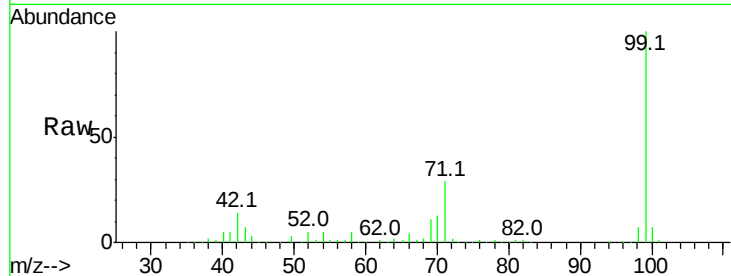
ClientSampled :

OR-03-102017

Tot Ion: 99 Resp: 385072

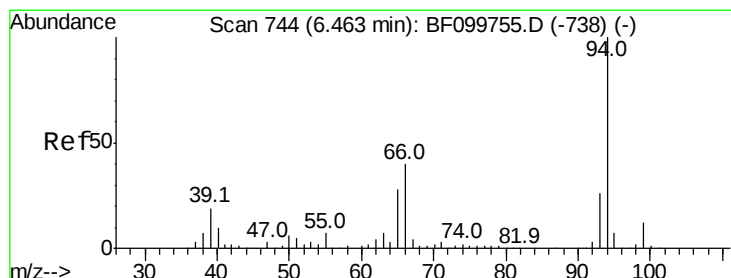
Ion	Ratio	Lower	Upper
99	100		
42	13.7	14.5	21.7#
71	28.8	25.4	38.0

Manual Integrations
APPROVED



Sohil

10/27/2017 8:58:51 AM



#10

Phenol

Concen: 2.396 ng

RT: 6.45 min Scan# 741

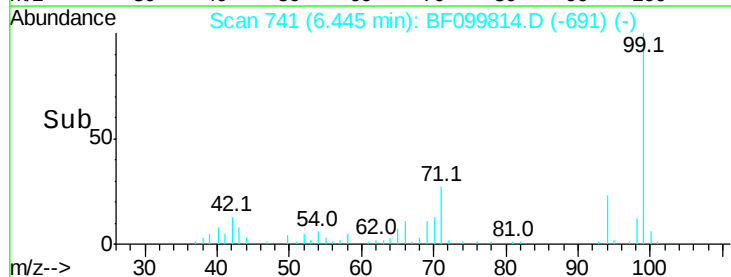
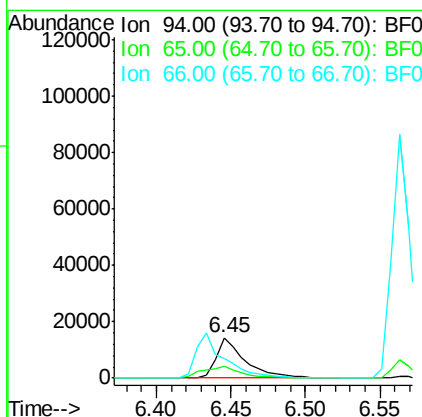
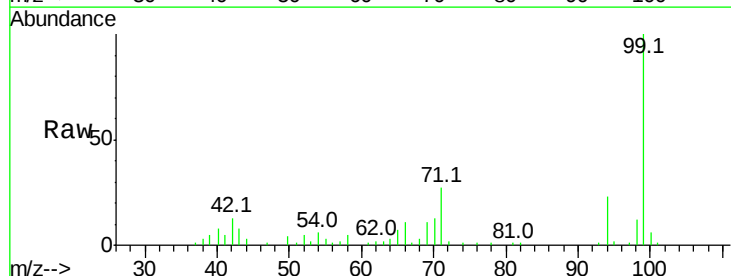
Delta R.T. -0.01 min

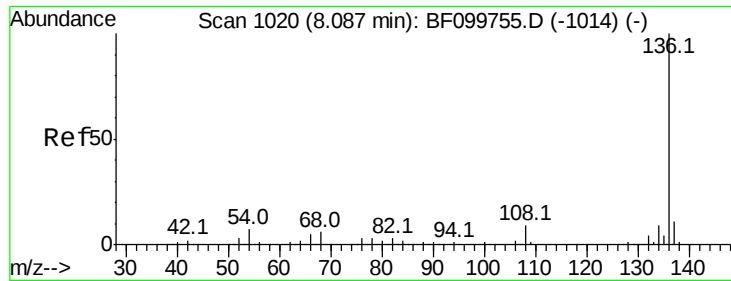
Lab File: BF099814.D

Acq: 25 Oct 2017 15:38

Tgt Ion: 94 Resp: 19308

Ion	Ratio	Lower	Upper
94	100		
65	28.5	7.9	47.9
66	48.9	16.2	56.2



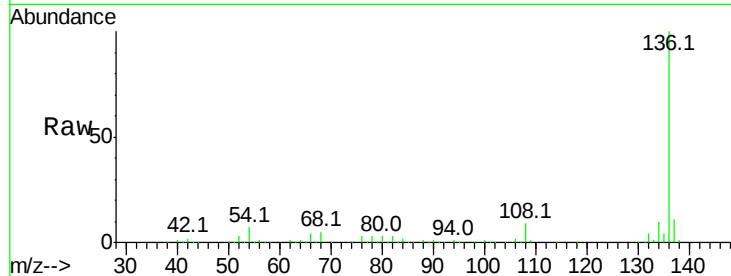


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

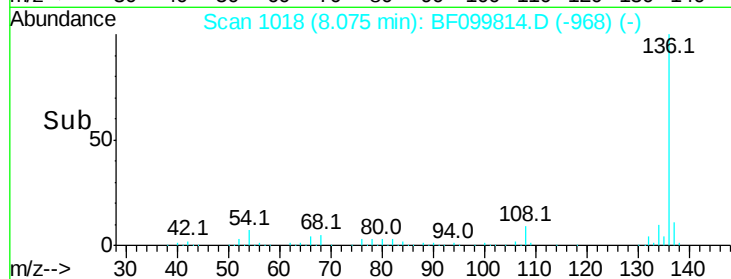
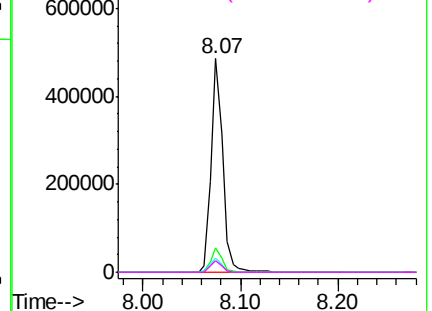
Instrument :
BNA_F
ClientSampleId :
OR-03-102017

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.9	13.3	
54	6.9	6.6	9.8	
68	5.4	5.0	7.4	

Manual Integrations
APPROVED

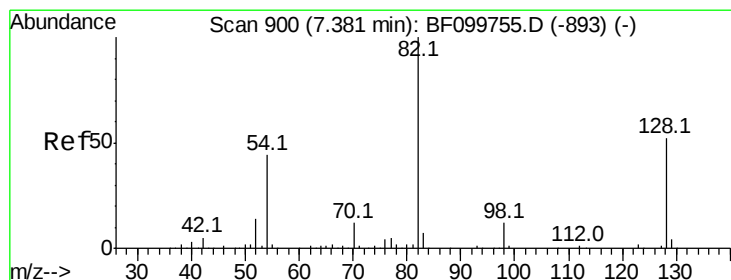


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0



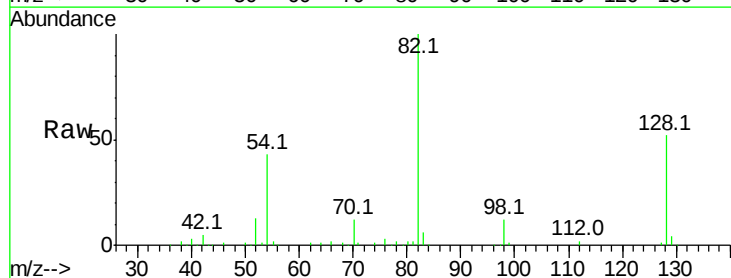
Sohil

10/27/2017 8:58:51 AM

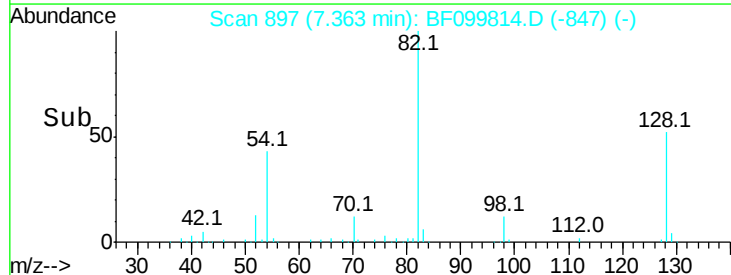
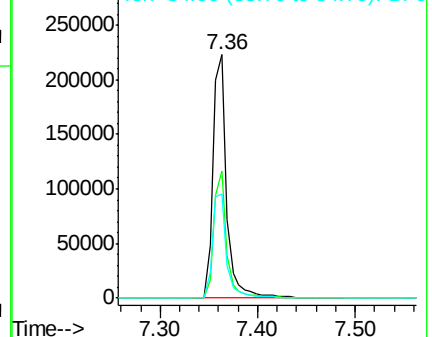


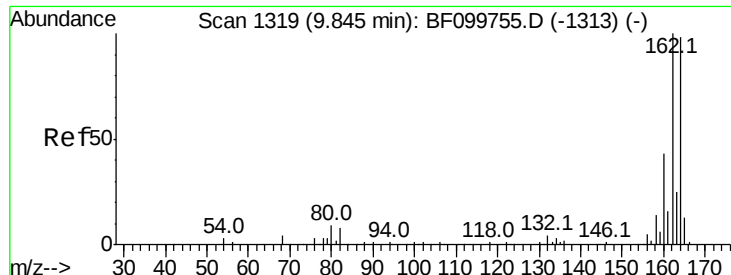
#23
Nitrobenzene-d5
Concen: 34.763 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	52.4	36.1	54.1	
54	42.9	41.4	62.2	



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



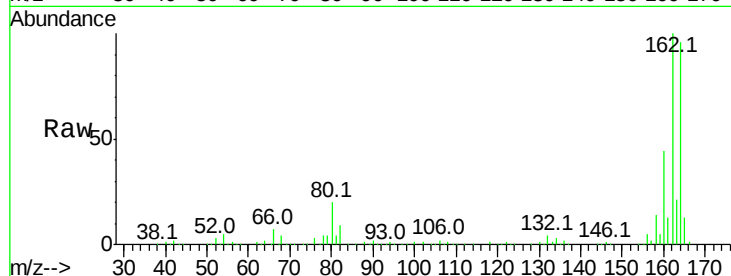


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

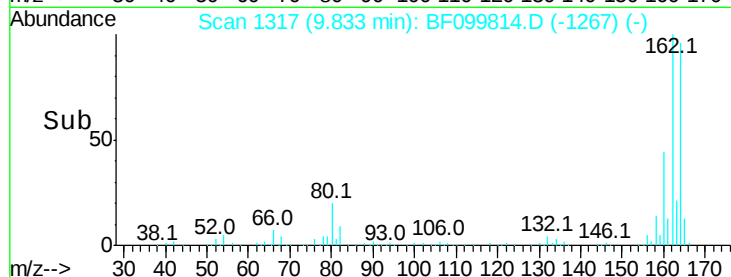
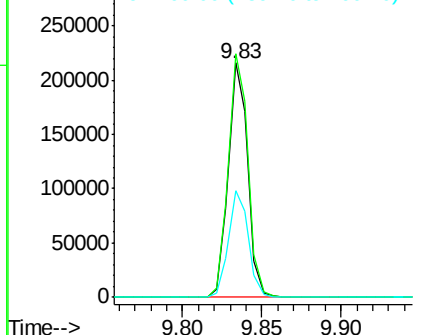
Instrument :
BNA_F
ClientSampleId :
OR-03-102017

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.9	86.1	129.1	
160	45.5	38.3	57.5	

Manual Integrations
APPROVED

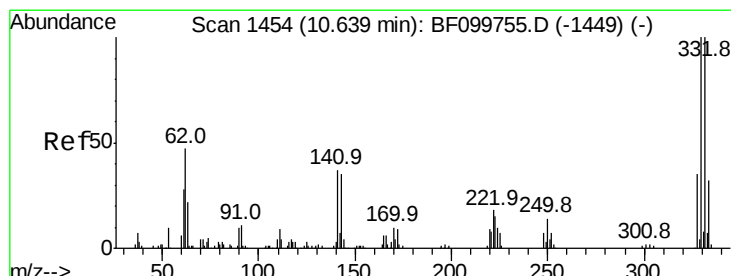


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Sohil

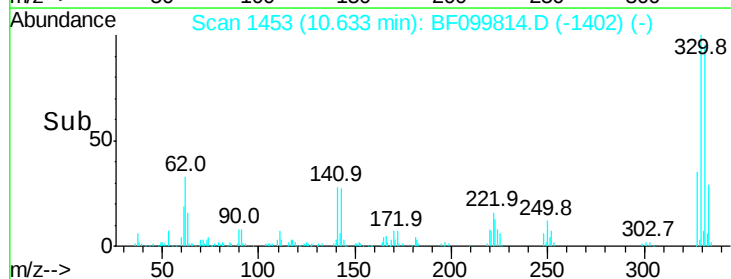
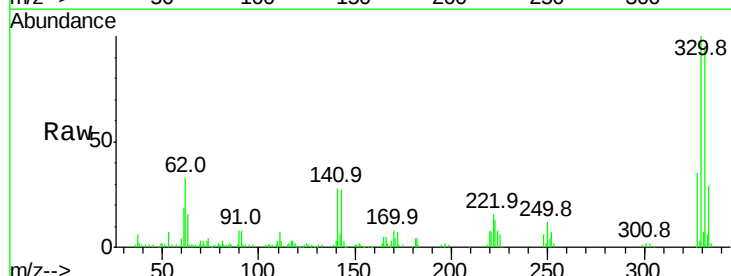
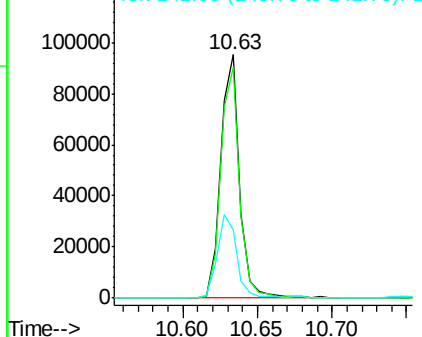
10/27/2017 8:58:51 AM

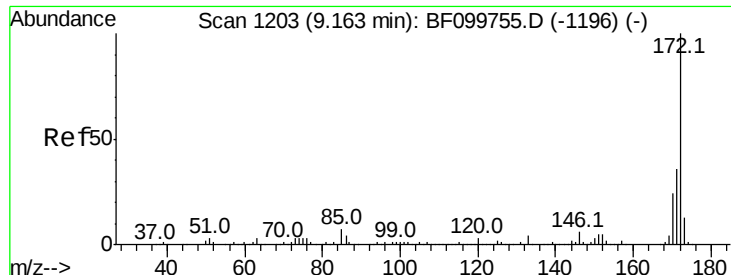


#41
2,4,6-Tribromophenol
Concen: 50.782 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.0	77.0	115.6	
141	35.5	29.9	44.9	

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



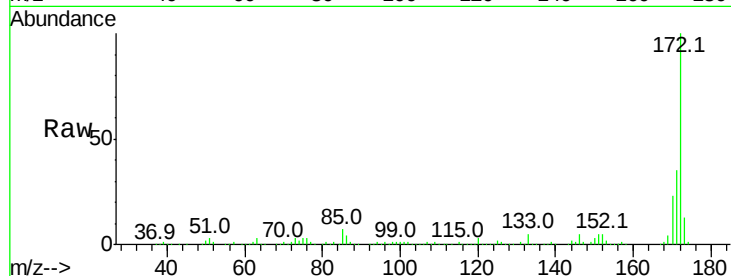


#44
 2-Fluorobiphenyl
 Concen: 36.013 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF099814.D
 Acq: 25 Oct 2017 15:38

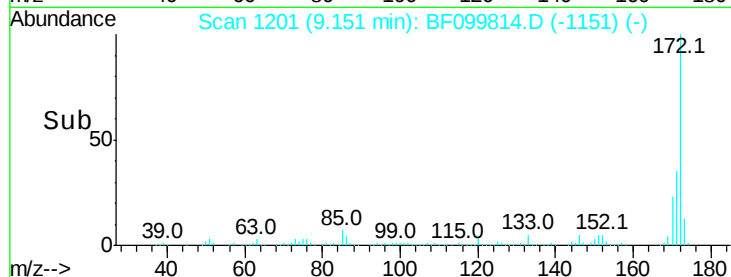
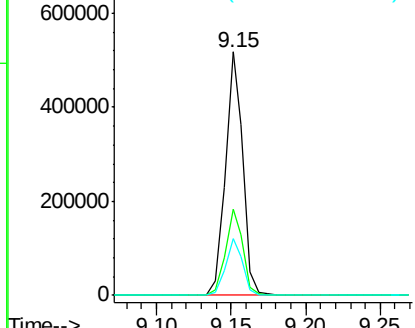
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-102017

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.2	19.6	29.4

Manual Integrations
 APPROVED

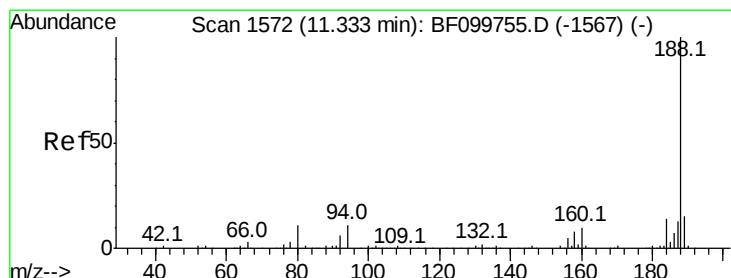


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



Sohil

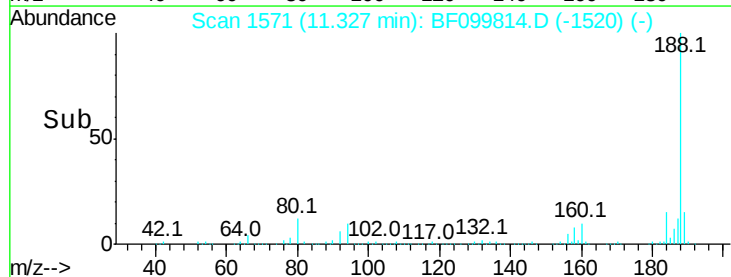
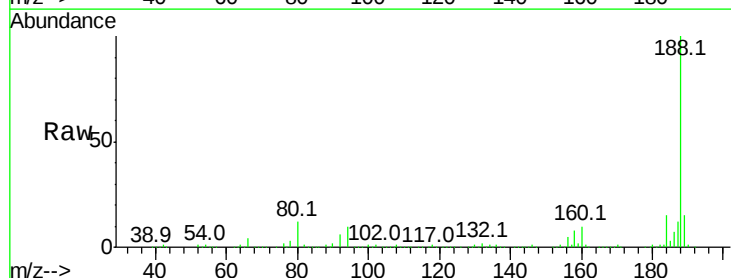
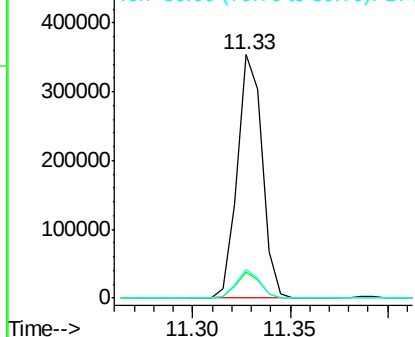
10/27/2017 8:58:51 AM

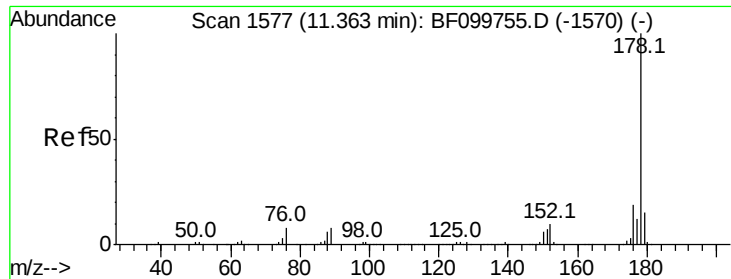


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BF099814.D
 Acq: 25 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	11.8	9.2	13.8

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



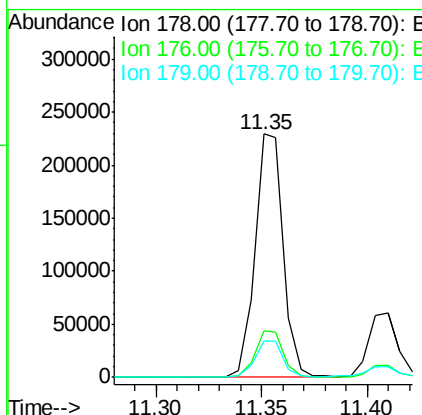
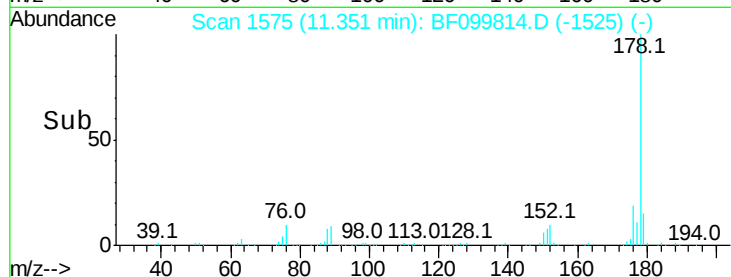
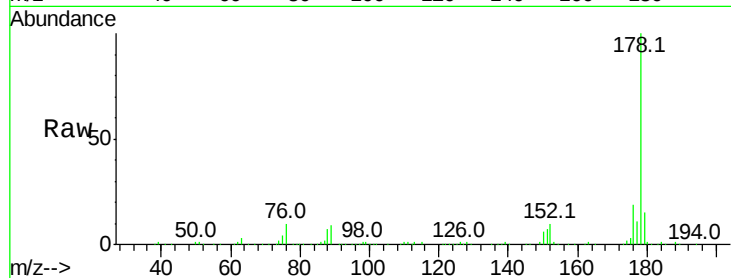


#70
Phenanthrene
Concen: 12.037 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Instrument :
BNA_F
ClientSampled :
OR-03-102017

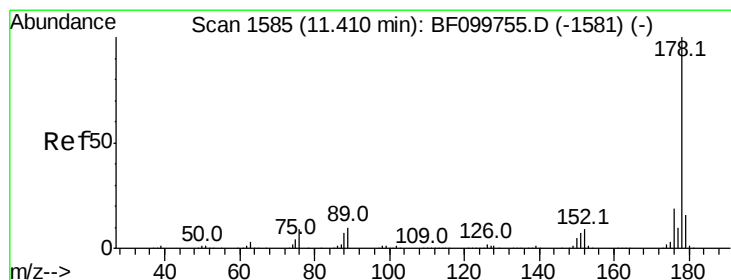
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	14.9	13.0	19.6

Manual Integrations
APPROVED



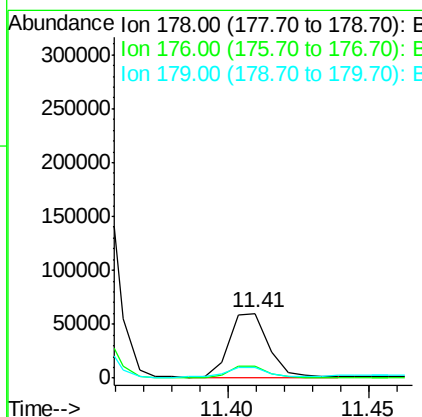
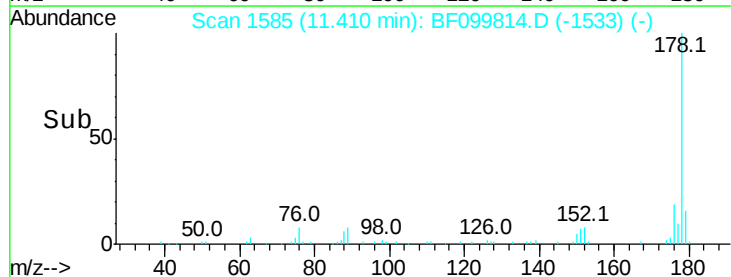
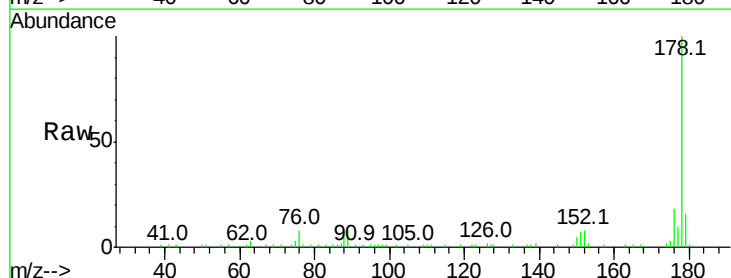
Sohil

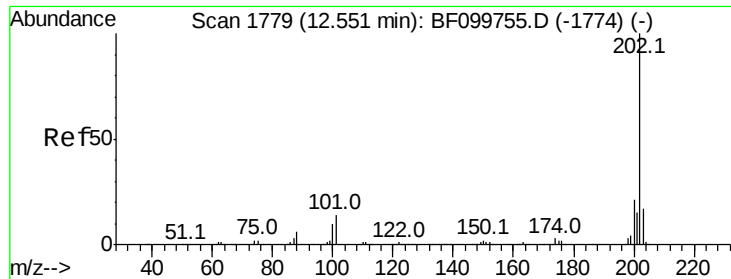
10/27/2017 8:58:51 AM



#71
Anthracene
Concen: 3.192 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	16.4	12.6	19.0





#74

Fluoranthene

Concen: 18.669 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF099814.D

Acq: 25 Oct 2017 15:38

Instrument :

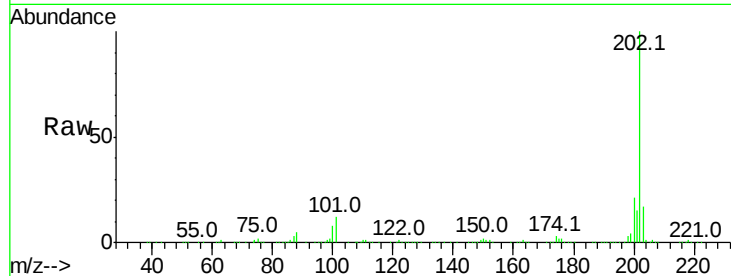
BNA_F

ClientSampled :

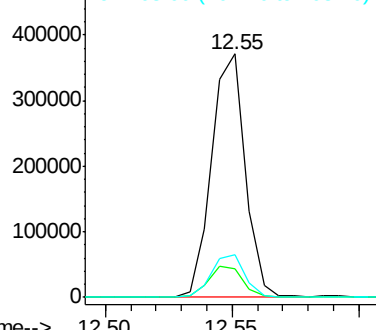
OR-03-102017

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.6	0.0	34.1
203	17.5	0.0	38.1

Manual Integrations
APPROVED

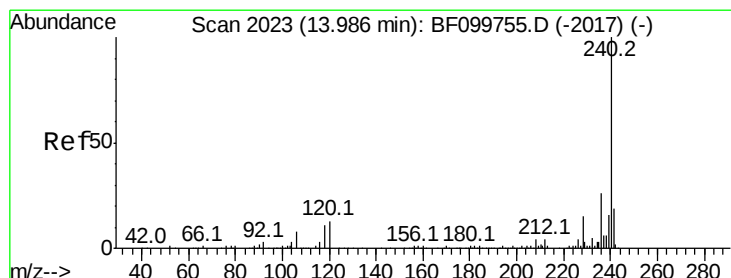
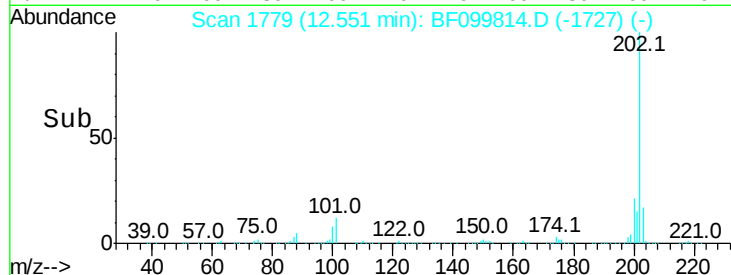


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Sohil

10/27/2017 8:58:51 AM



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

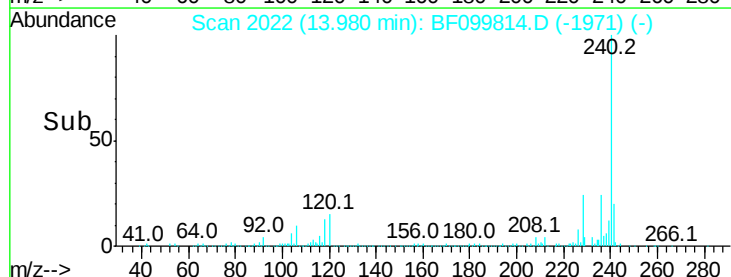
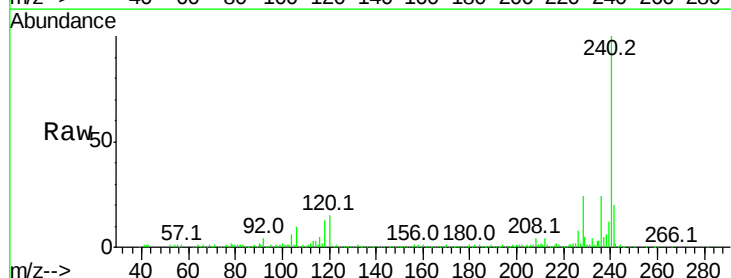
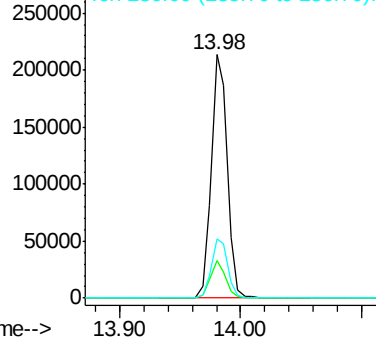
Delta R.T. -0.00 min

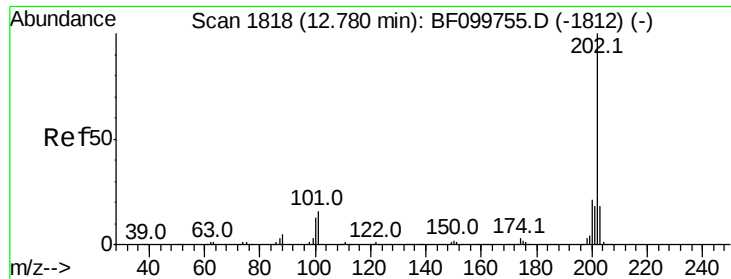
Lab File: BF099814.D

Acq: 25 Oct 2017 15:38

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.2	9.5	14.3#
236	24.4	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 19.795 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF099814.D

Acq: 25 Oct 2017 15:38

Instrument :

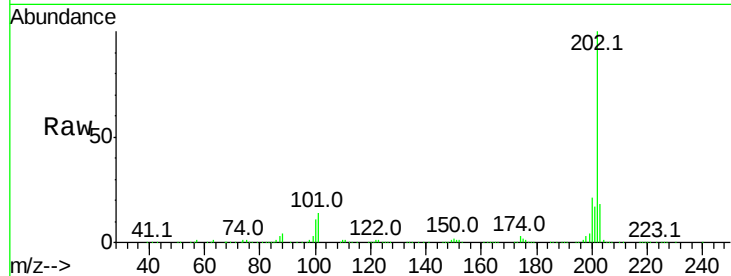
BNA_F

ClientSampleId :

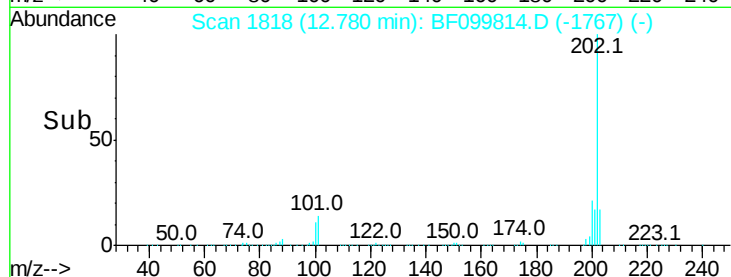
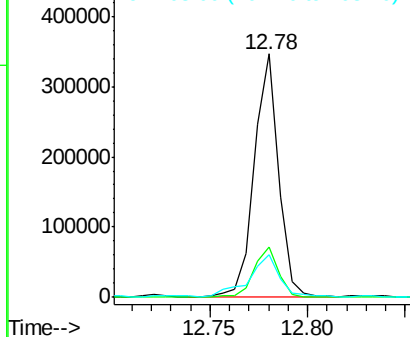
OR-03-102017

Tot Ion:	202	Resp:	298358
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.4	26.2
203	17.6	14.3	21.5

Manual Integrations
APPROVED

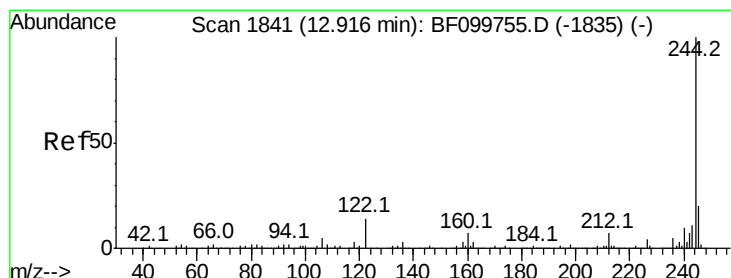


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Sohil

10/27/2017 8:58:51 AM



#78

Terphenyl-d14

Concen: 34.385 ng

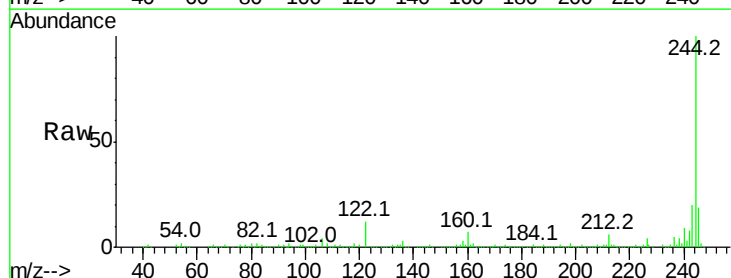
RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

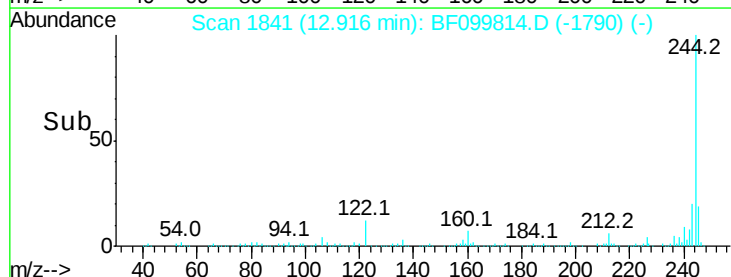
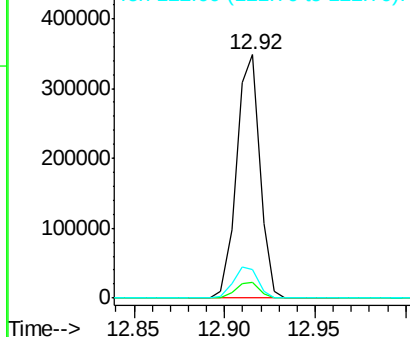
Lab File: BF099814.D

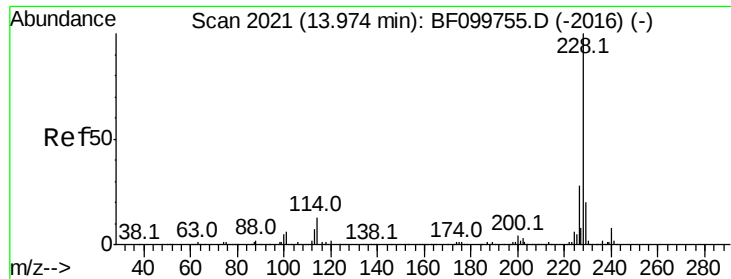
Acq: 25 Oct 2017 15:38

Tgt Ion:	244	Resp:	311872
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.4	8.0
122	11.8	11.0	16.4



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



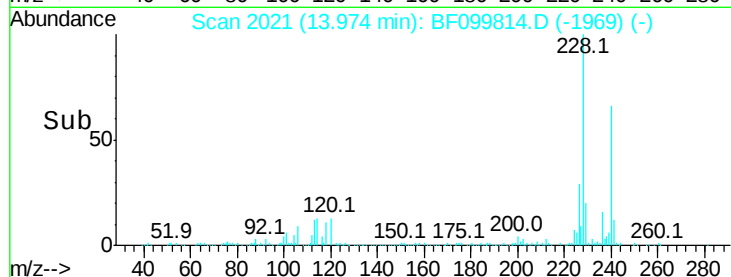
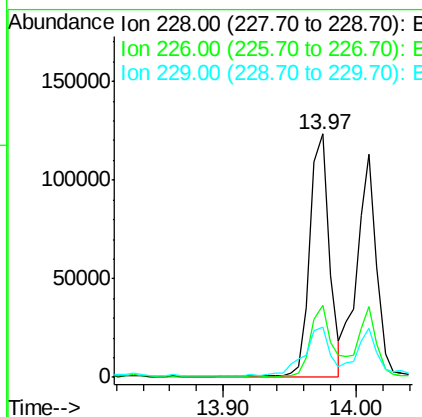
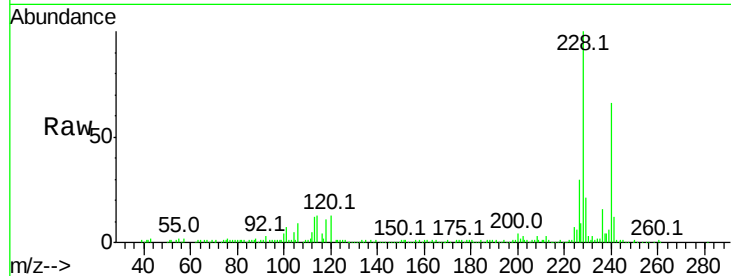


#80
Benzo(a)anthracene
Concen: 9.879 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Instrument :
BNA_F
ClientSampleId :
OR-03-102017

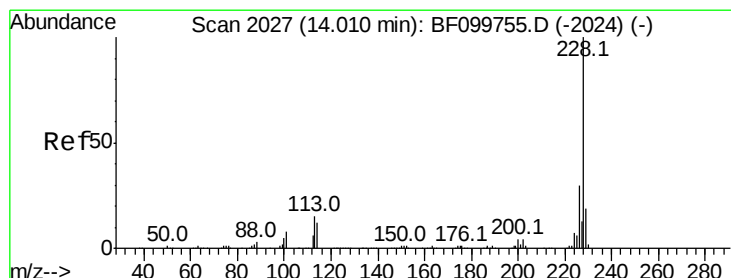
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	20.9	15.8	23.6

Manual Integrations
APPROVED



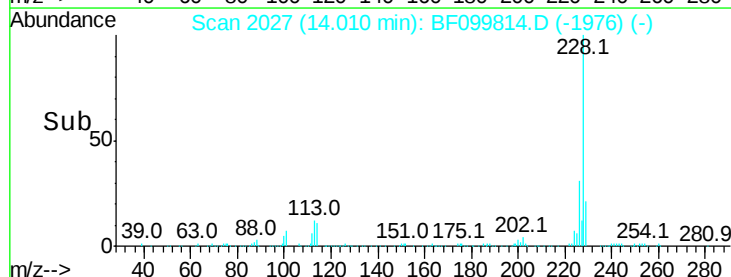
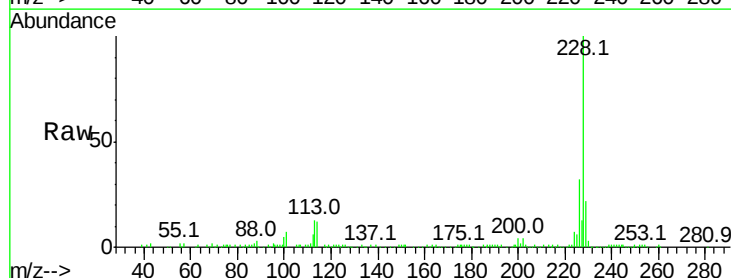
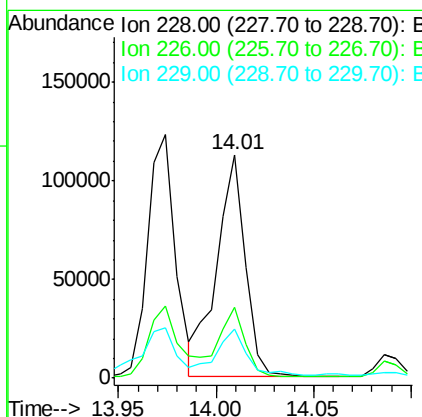
Sohil

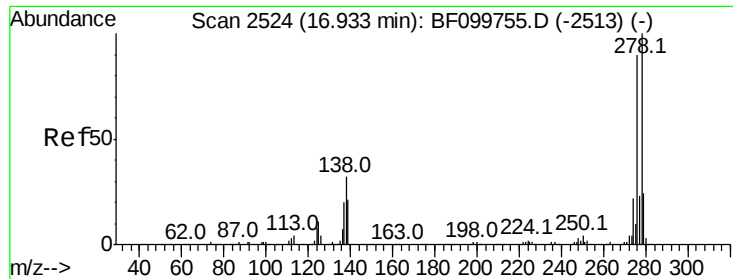
10/27/2017 8:58:51 AM



#82
Chrysene
Concen: 9.705 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.0	37.6
229	22.0	16.2	24.4



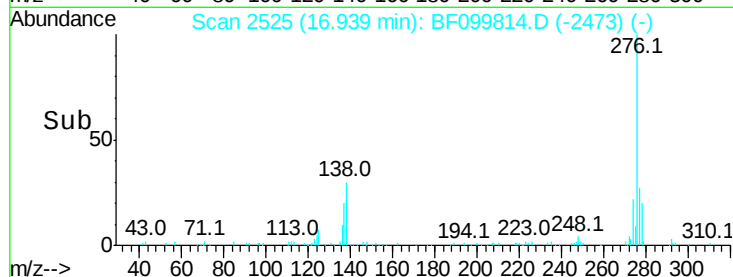
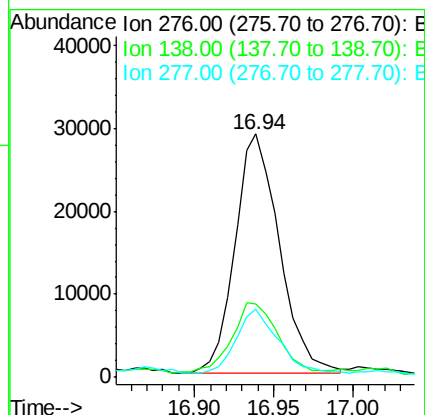
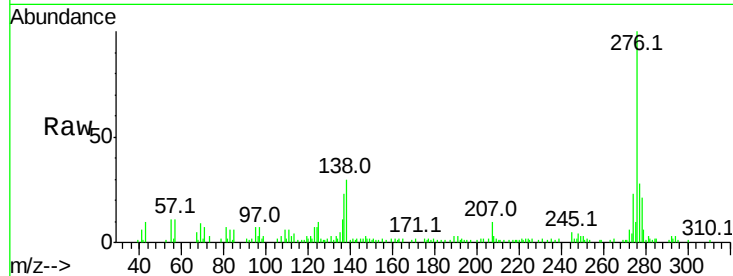


#85
Indeno(1,2,3-cd)pyrene
Concen: 5.142 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Instrument :
BNA_F
ClientSampled :
OR-03-102017

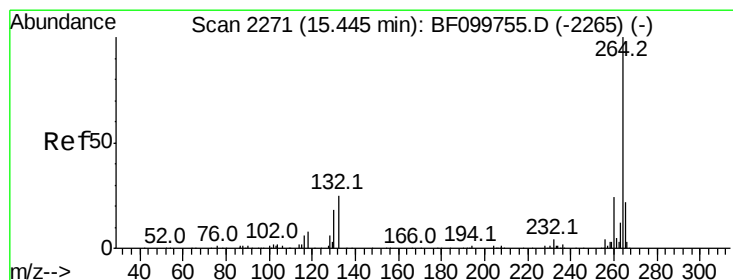
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.7	25.0	37.6
277	25.1	20.1	30.1

Manual Integrations
APPROVED



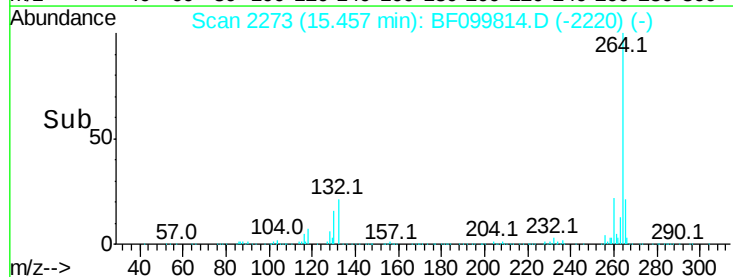
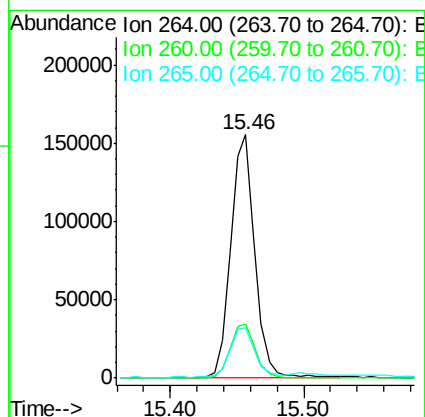
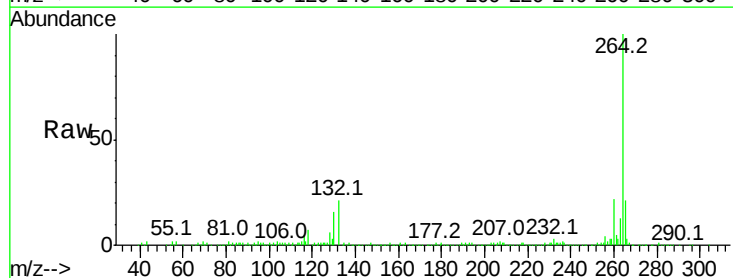
Sohil

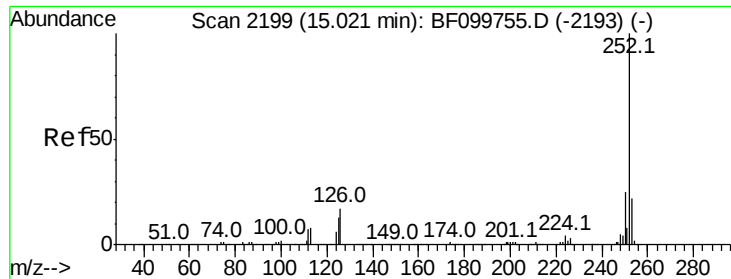
10/27/2017 8:58:51 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.2	28.8
265	20.9	17.5	26.3



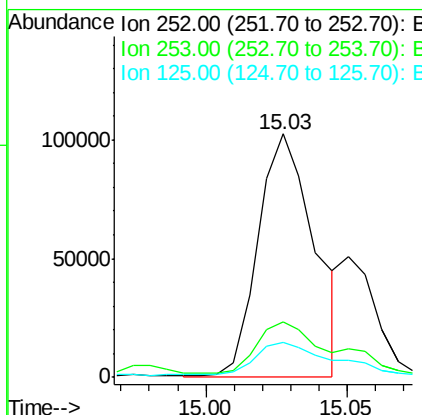
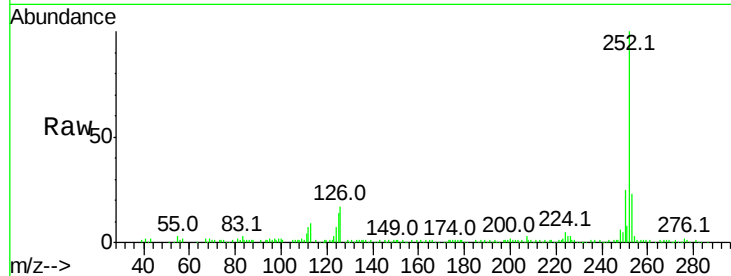


#87
Benzo(b)fluoranthene
Concen: 11.688 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Instrument :
BNA_F
ClientSampleId :
OR-03-102017

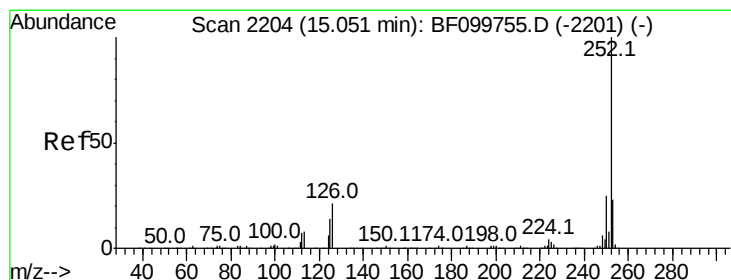
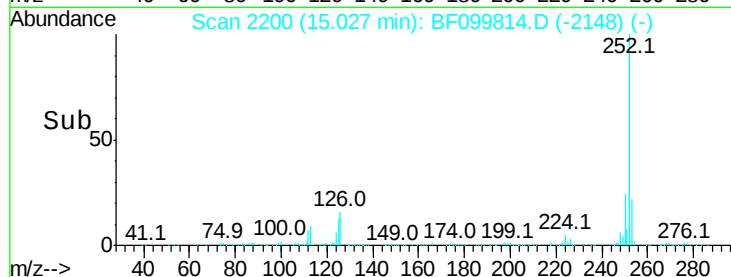
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	14.1	9.0	13.6

Manual Integrations
APPROVED



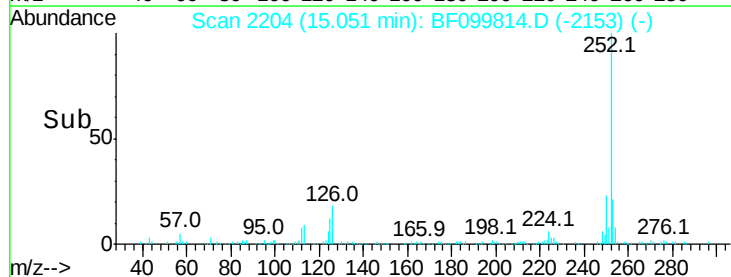
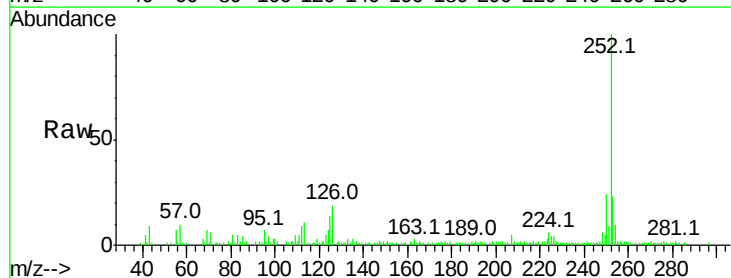
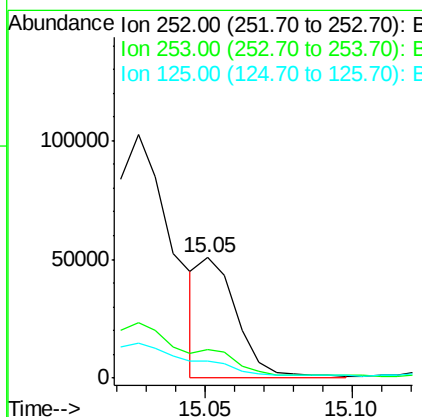
Sohil

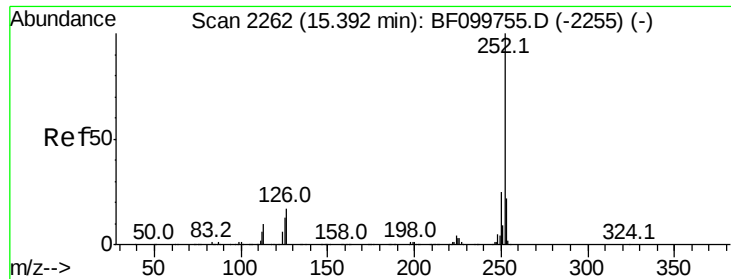
10/27/2017 8:58:51 AM



#88
Benzo(k)fluoranthene
Concen: 3.874 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	14.2	10.2	15.2



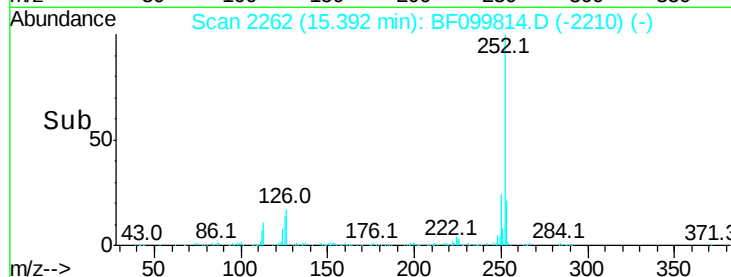
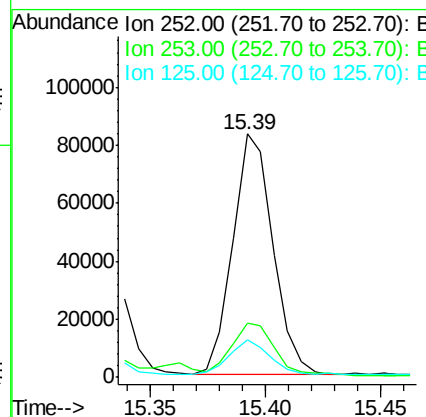
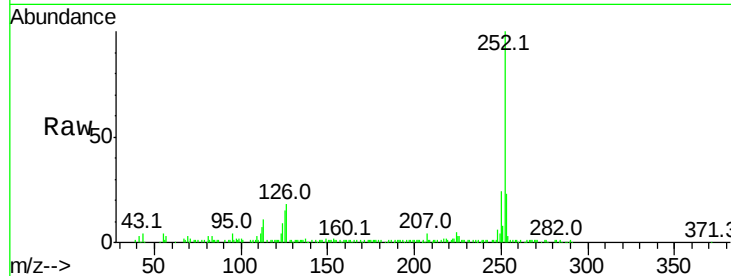


#89
Benzo(a)pyrene
Concen: 8.991 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Instrument :
BNA_F
ClientSampleId :
OR-03-102017

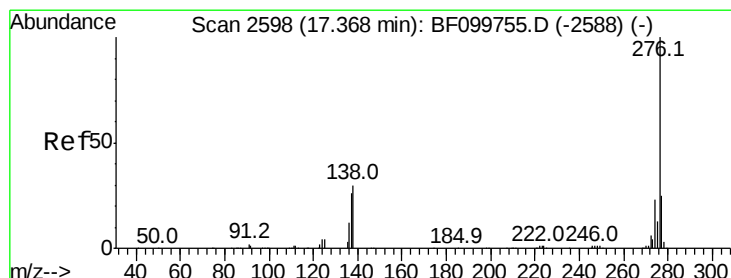
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	15.2	9.8	14.6

Manual Integrations
APPROVED



Sohil

10/27/2017 8:58:51 AM



#91
Benzo(g,h,i)perylene
Concen: 5.525 ng
RT: 17.39 min Scan# 2601
Delta R.T. 0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	31.5	21.8	32.8

