

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
 Data File : BF114244.D
 Acq On : 13 May 2019 21:55
 Operator : JU/SJ
 Sample : K2807-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-039-B

Manual Integrations
 APPROVED

Sohil
 5/14/2019 8:03:31 PM

Quant Time: May 14 08:08:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	223407	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	831548	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	375720	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	622237	20.00	ng	0.00
76) Chrysene-d12	14.02	240	476655	20.00	ng	0.00
87) Perylene-d12	15.51	264	414956	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1301442	93.75	ng	0.02
7) Phenol-d6	6.51	99	1723016	104.94	ng	0.02
23) Nitrobenzene-d5	7.42	82	1031195	69.59	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	343842	88.52	ng	0.01
45) 2-Fluorobiphenyl	9.21	172	1627520	65.52	ng	0.00
79) Terphenyl-d14	12.96	244	1326253	57.36	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.60	163	237680	8.617	ng	98
58) Fluorene	10.44	166	67661	2.620	ng	99
71) Phenanthrene	11.40	178	467651	15.448	ng	98
72) Anthracene	11.45	178	138210	4.545	ng	97
75) Fluoranthene	12.59	202	724234	22.216	ng	98
78) Pyrene	12.82	202	663020	17.291	ng	98
80) Butylbenzylphthalate	13.43	149	40140	2.487	ng	91
81) Benzo(a)anthracene	14.01	228	319844	10.375	ng	98
83) Chrysene	14.04	228	271878	8.996	ng	98
86) Indeno(1,2,3-cd)pyrene	16.99	276	89434	3.348	ng	96
88) Benzo(b)fluoranthene	15.07	252	315251m	11.858	ng	
89) Benzo(k)fluoranthene	15.10	252	102680m	4.205	ng	
90) Benzo(a)pyrene	15.44	252	212916	9.100	ng	# 95
92) Benzo(a,h,i)perylene	17.44	276	94471	4.849	ng	97

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

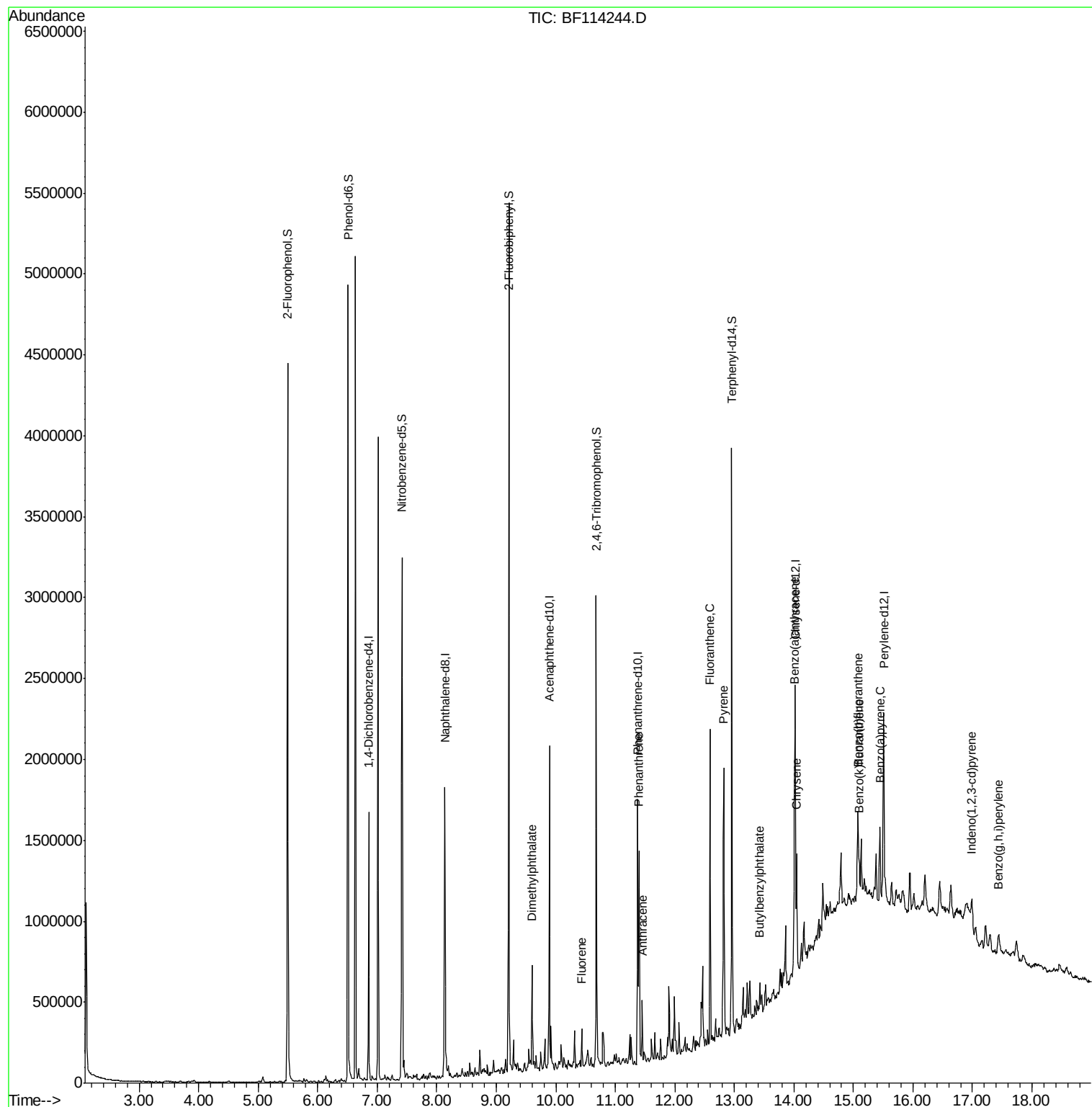
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114244.D
Acq On : 13 May 2019 21:55
Operator : JU/SJ
Sample : K2807-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

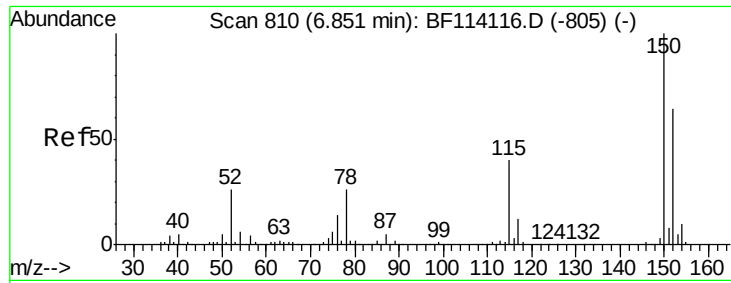
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-039-B

Manual Integrations
APPROVED

Sohil
5/14/2019 8:03:31 PM

Quant Time: May 14 08:08:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration





#1

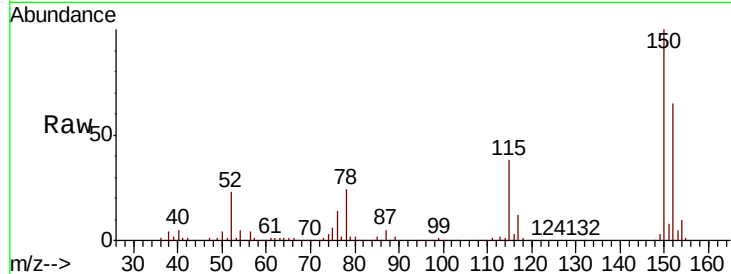
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-039-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.3	186.5
115	58.0	49.1	73.7

Manual Integrations
APPROVED

Sohil
5/14/2019 8:03:31 PM

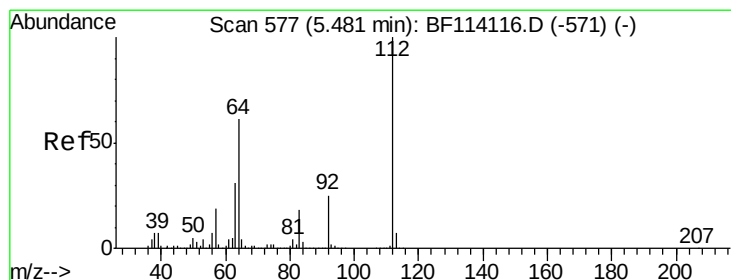
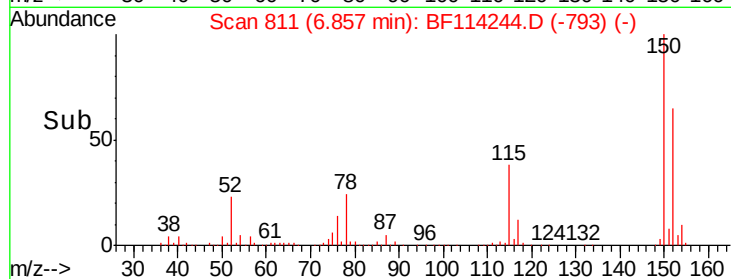
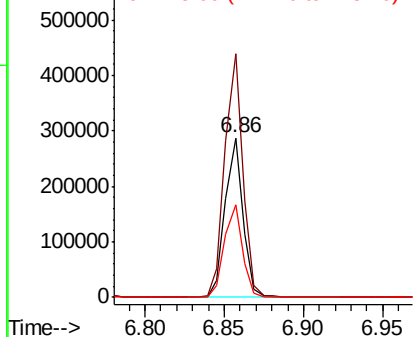


Abundance

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: 93.746 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.02 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

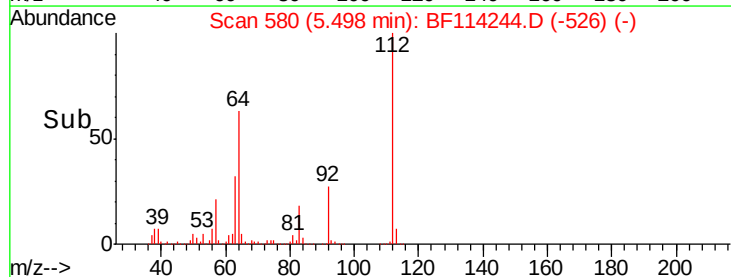
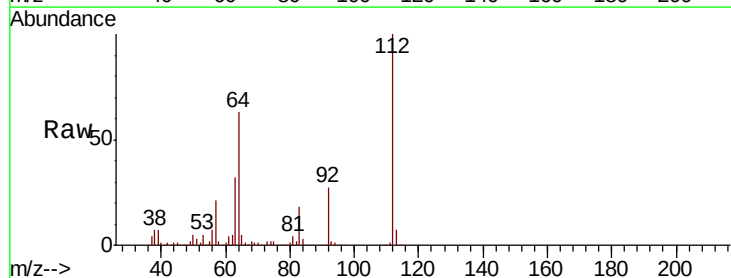
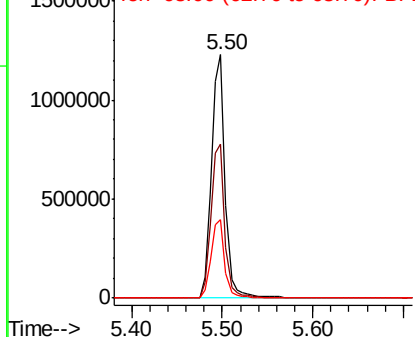
Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	49.0	73.6
63	32.2	24.6	37.0

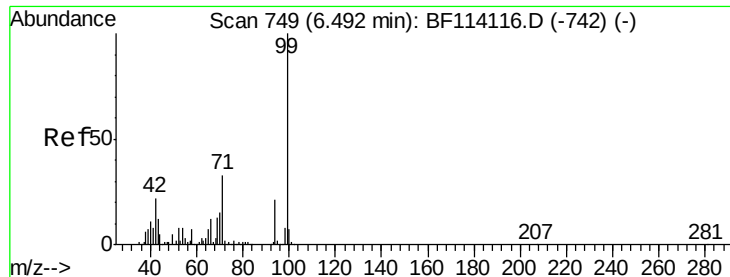
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 104.938 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.02 min

Lab File: BF114244.D

Acq: 13 May 2019 21:55

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-039-B

Tot Ion: 99 Resp: 1723016

Ion Ratio Lower Upper

99 100

42 21.7 17.9 26.9

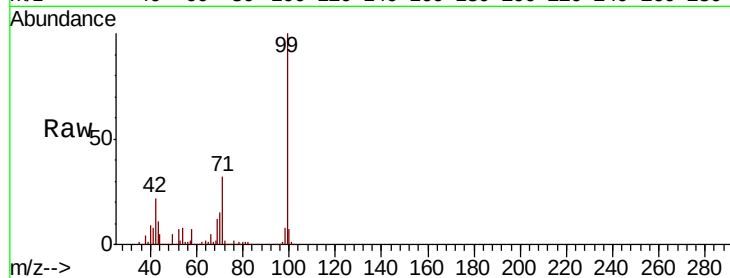
71 32.3 26.2 39.2

Manual Integrations

APPROVED

Sohil

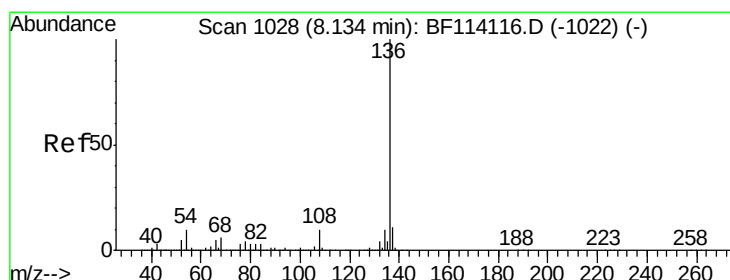
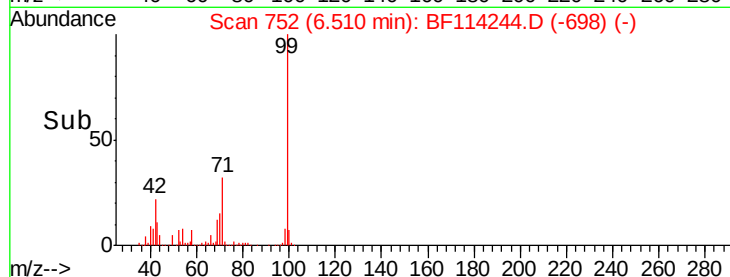
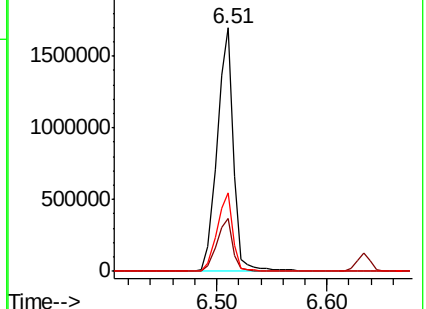
5/14/2019 8:03:31 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.01 min

Lab File: BF114244.D

Acq: 13 May 2019 21:55

Tgt Ion: 136 Resp: 831548

Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.5 7.8 11.8

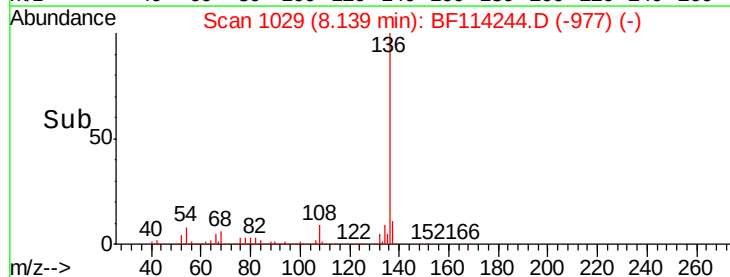
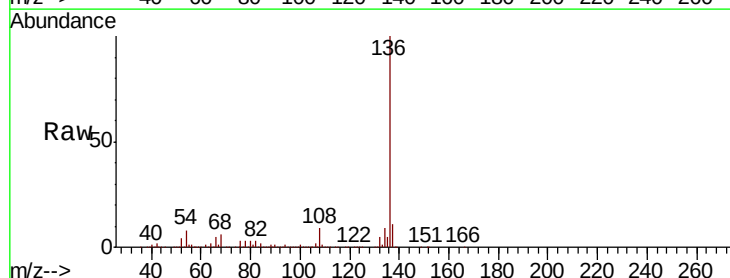
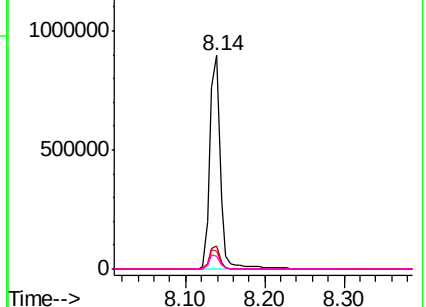
68 6.1 5.1 7.7

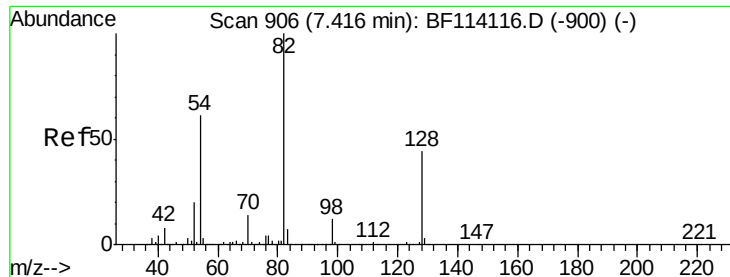
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





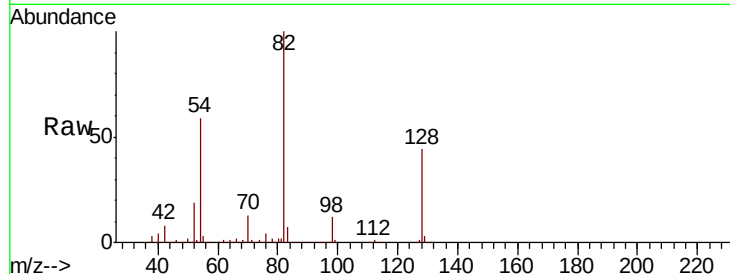
#23
Nitrobenzene-d5
Concen: 69.594 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.00 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-039-B

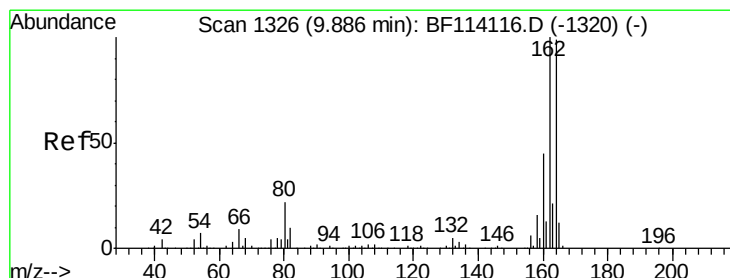
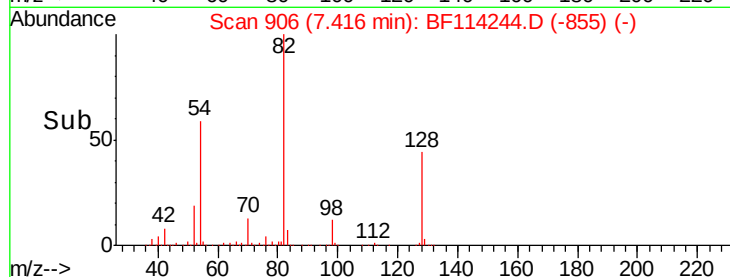
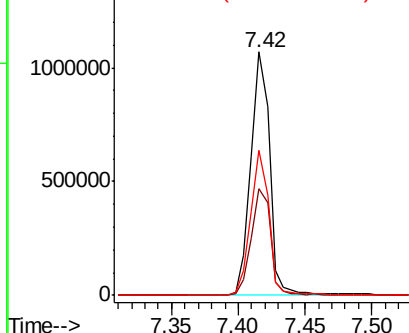
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.9	35.5	53.3
54	59.4	48.5	72.7

Manual Integrations
APPROVED

Sohil
5/14/2019 8:03:31 PM



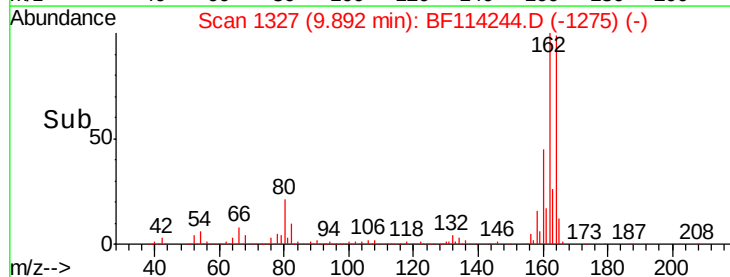
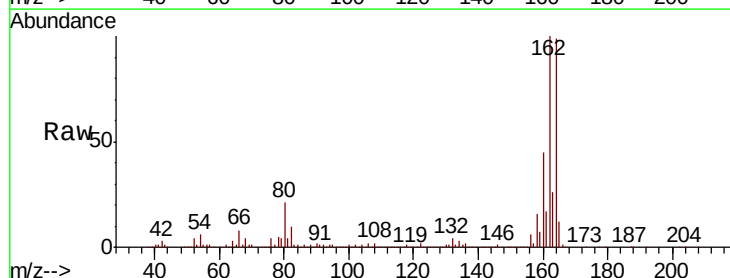
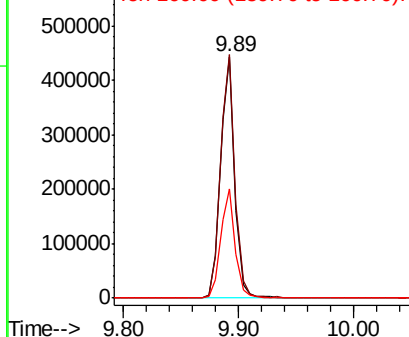
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

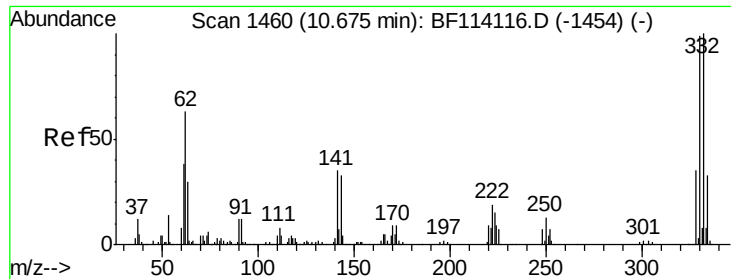


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	120.8
160	45.1	36.5	54.7

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





#42

2,4,6-Tribromophenol

Concen: 88.521 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.01 min

Lab File: BF114244.D

Acq: 13 May 2019 21:55

Instrument :

BNA_F

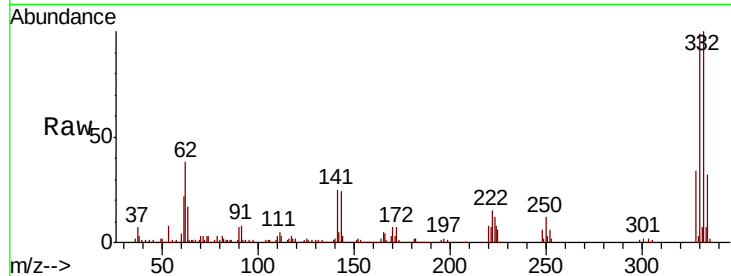
ClientSampleId :

FK-GF-02-039-B

Tot Ion:	330	Resp:	343842
Ion Ratio	Lower	Upper	
330	100		
332	102.5	81.4	122.2
141	32.9	26.6	40.0

Manual Integrations
APPROVED

Sohil
5/14/2019 8:03:31 PM

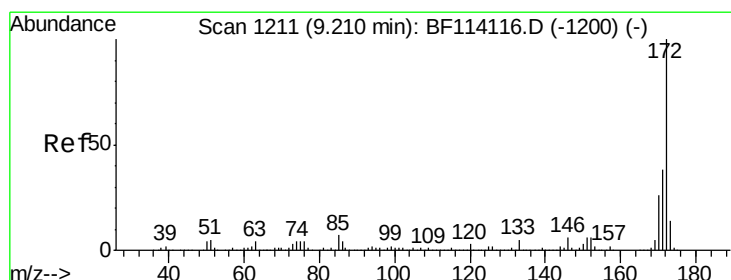
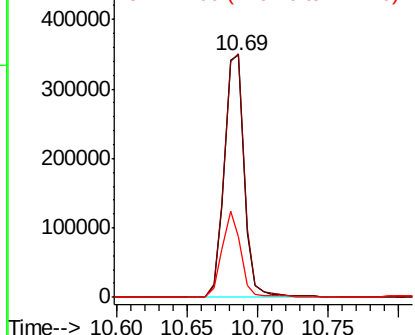
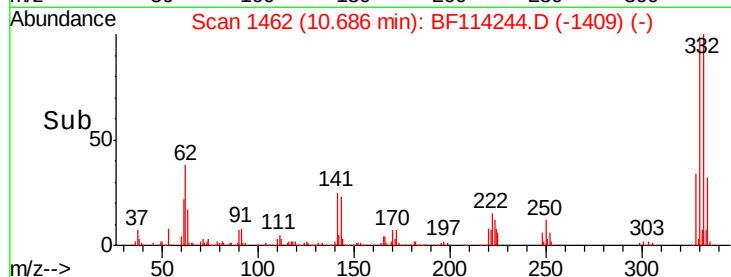


Abundance

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



#45

2-Fluorobiphenyl

Concen: 65.525 ng

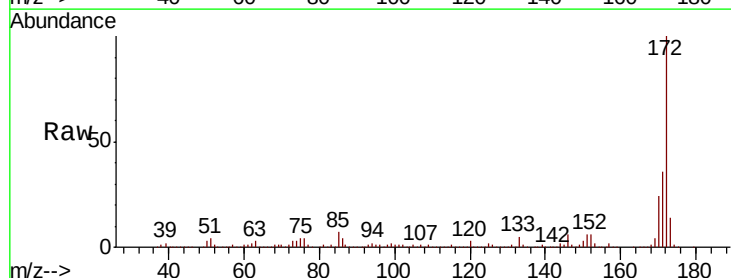
RT: 9.21 min Scan# 1211

Delta R.T. -0.00 min

Lab File: BF114244.D

Acq: 13 May 2019 21:55

Tgt Ion:	172	Resp:	1627520
Ion Ratio	Lower	Upper	
172	100		
171	36.5	30.7	46.1
170	24.0	20.5	30.7

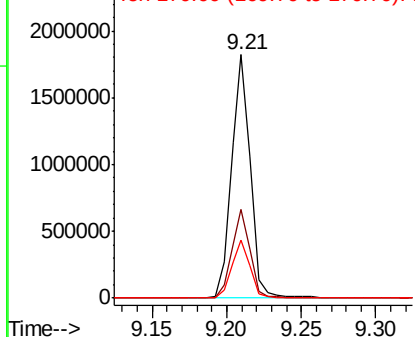
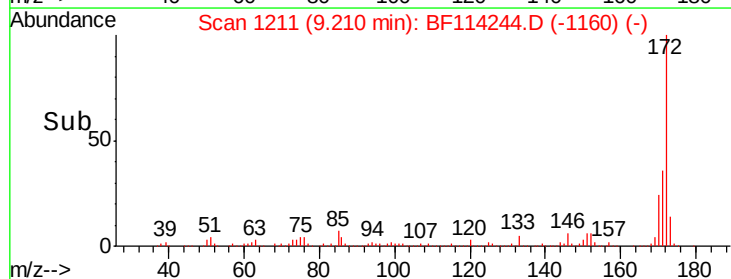


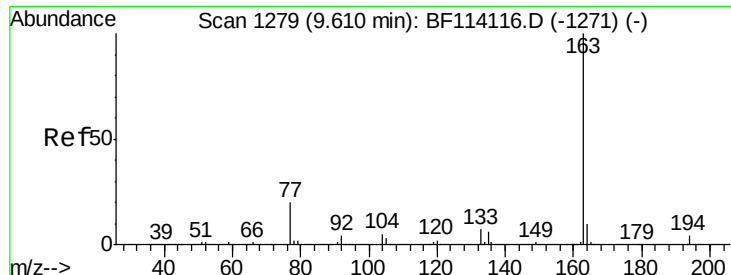
Abundance

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





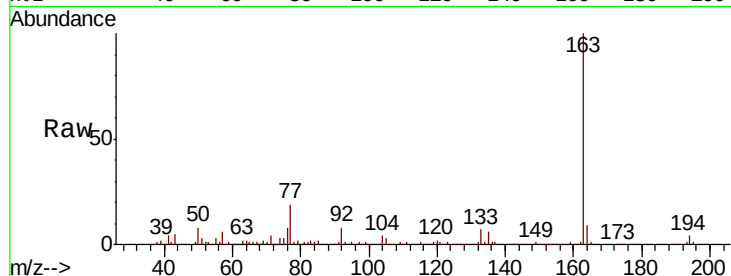
#50
Dimethylphthalate
Concen: 8.617 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-039-B

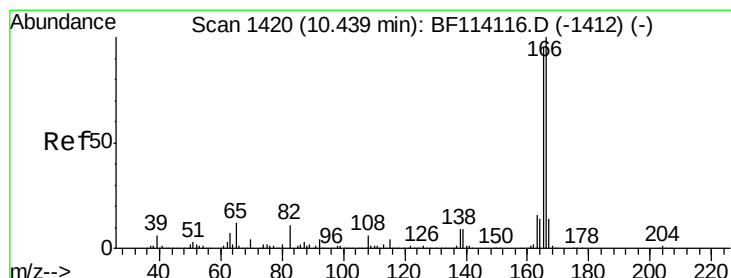
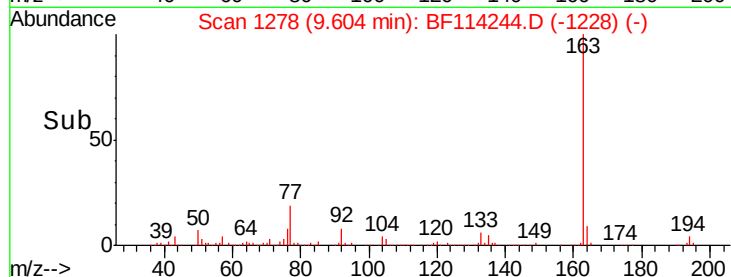
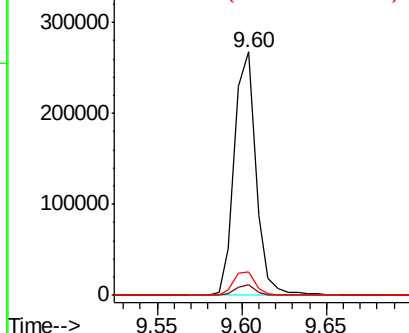
Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		237680		
194	4.1		3.4	5.0	
164	9.4		8.2	12.2	

Manual Integrations
APPROVED

Sohil
5/14/2019 8:03:31 PM



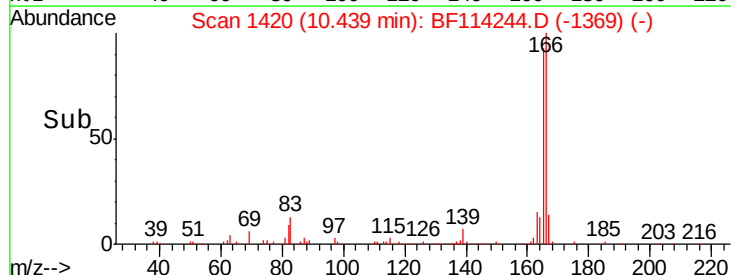
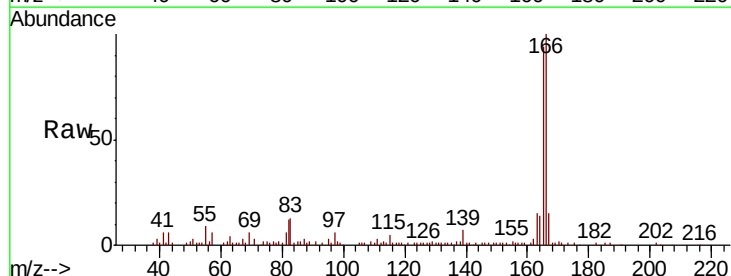
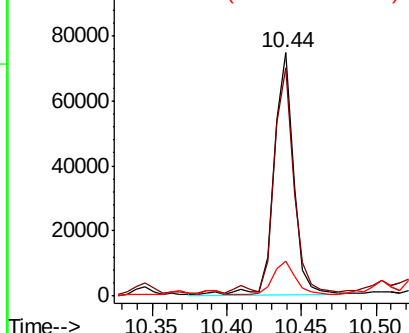
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

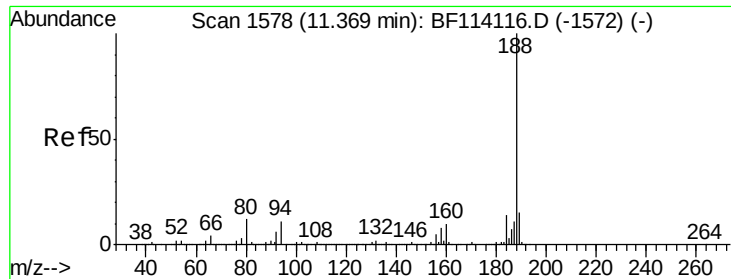


#58
Fluorene
Concen: 2.620 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.00 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		67661		
165	93.9		76.1	114.1	
167	14.6		11.1	16.7	

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





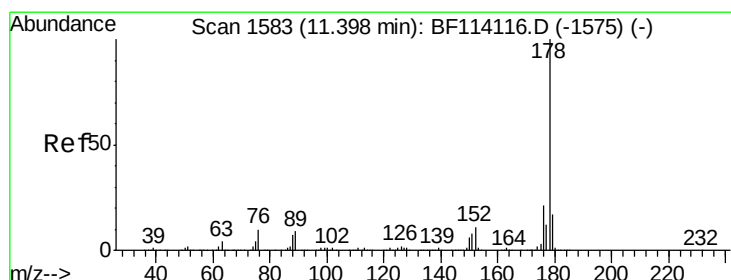
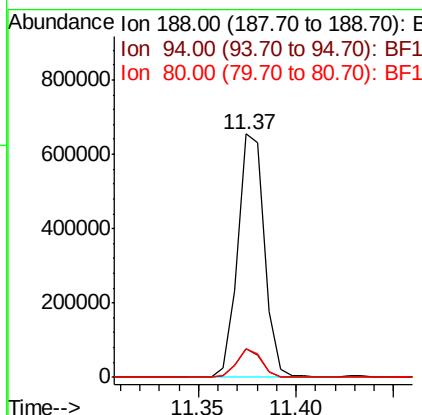
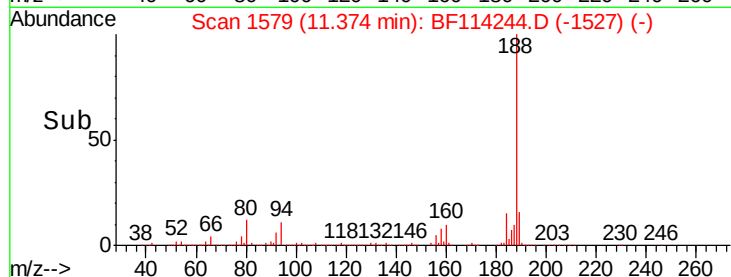
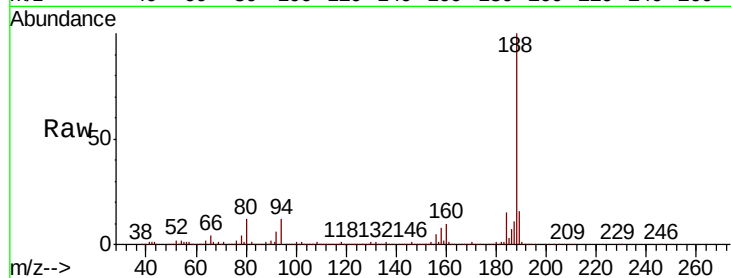
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-039-B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.6	8.4	12.6
80	11.9	9.2	13.8

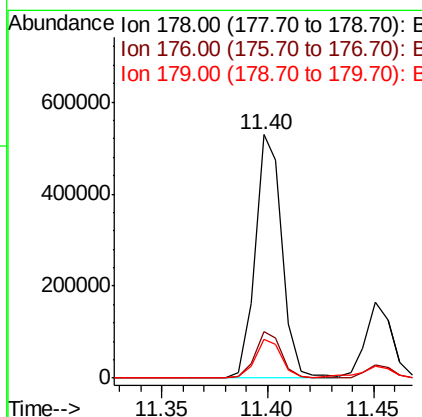
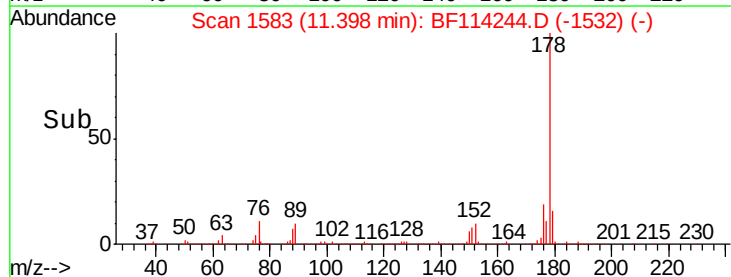
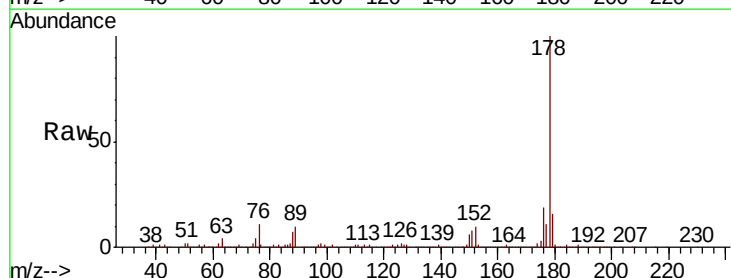
Manual Integrations
APPROVED

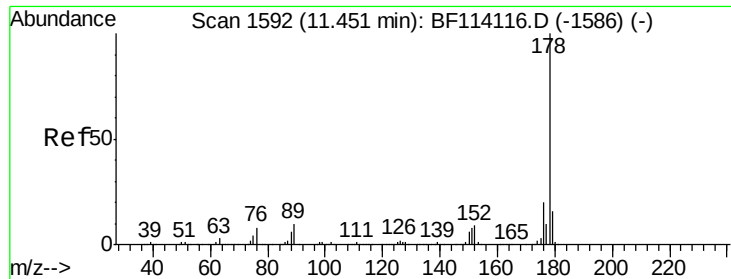
Sohil
5/14/2019 8:03:31 PM



#71
Phenanthrene
Concen: 15.448 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	16.4	24.6
179	16.1	13.2	19.8





#72

Anthracene

Concen: 4.545 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BF114244.D

Acq: 13 May 2019 21:55

Instrument :

BNA_F

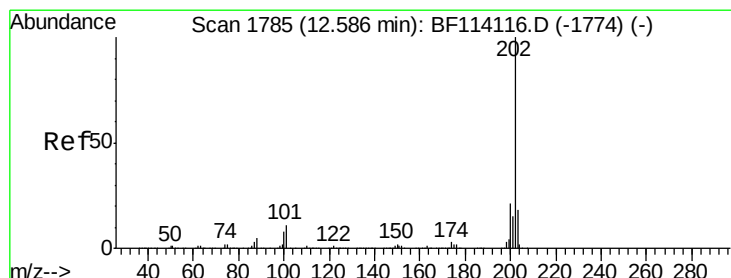
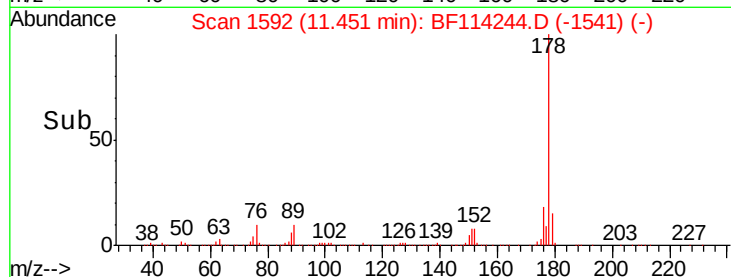
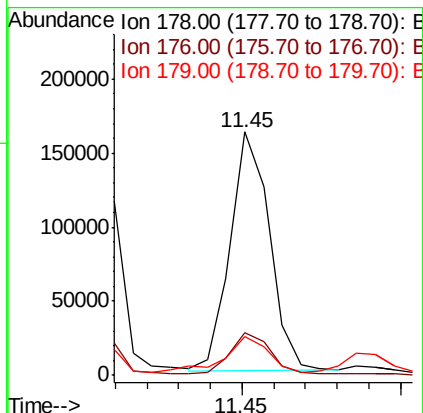
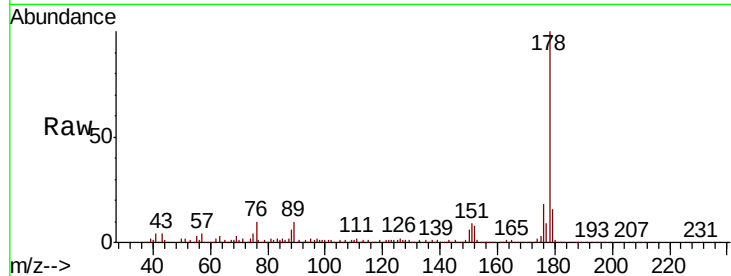
ClientSampleId :

FK-GF-02-039-B

Tot Ion:	178	Resp:	138210
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.8	23.8
179	15.8	13.0	19.4

Manual Integrations
APPROVED

Sohil
5/14/2019 8:03:31 PM



#75

Fluoranthene

Concen: 22.216 ng

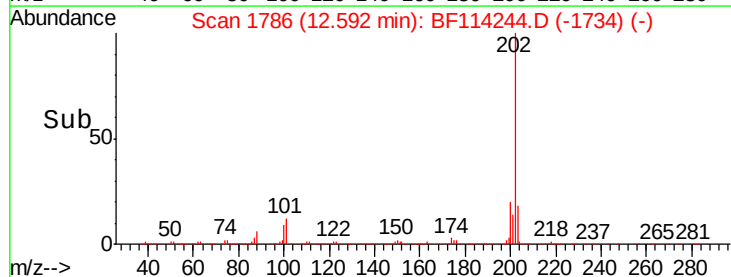
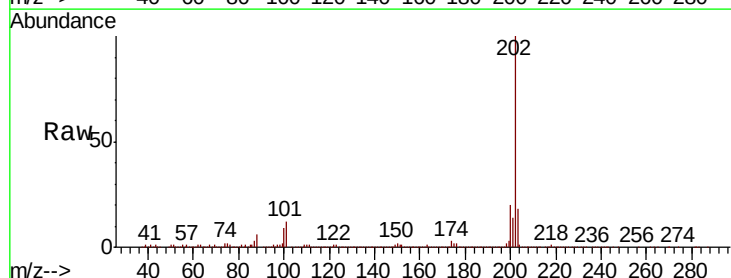
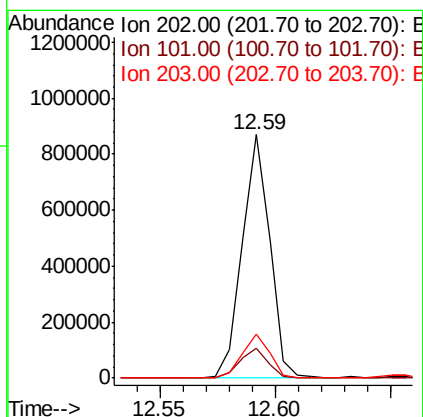
RT: 12.59 min Scan# 1786

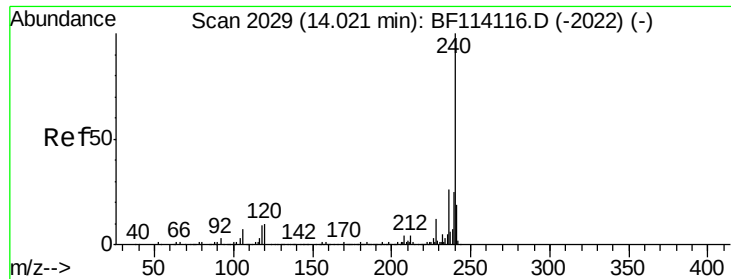
Delta R.T. 0.01 min

Lab File: BF114244.D

Acq: 13 May 2019 21:55

Tgt Ion:	202	Resp:	724234
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	31.0
203	18.0	0.0	38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF114244.D

Acq: 13 May 2019 21:55

Instrument :

BNA_F

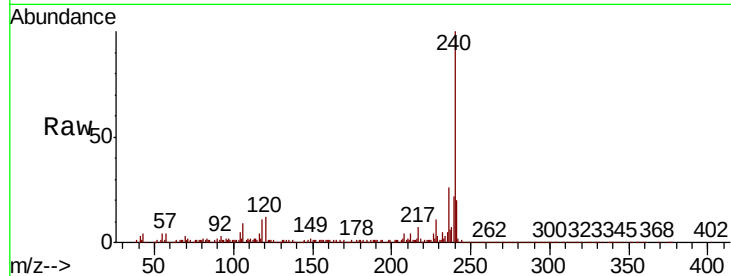
ClientSampleId :

FK-GF-02-039-B

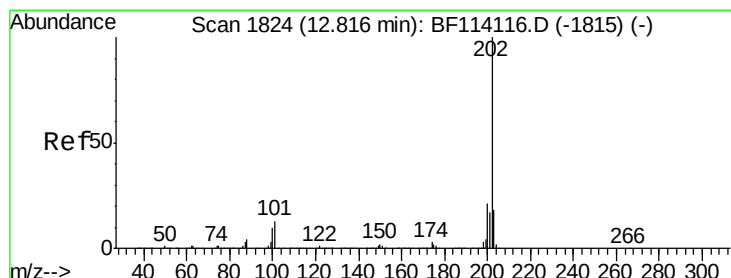
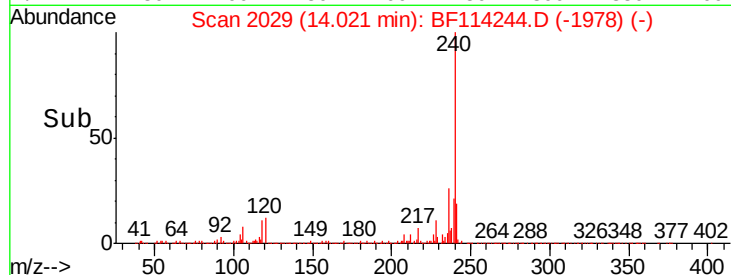
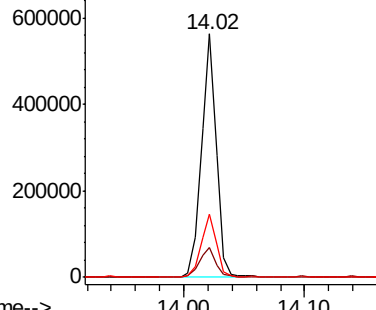
Tot Ion:	240	Resp:	476655
Ion Ratio		Lower	Upper
240	100		
120	12.1	8.3	12.5
236	26.1	20.8	31.2

Manual Integrations
APPROVED

Sohil
5/14/2019 8:03:31 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



#78

Pyrene

Concen: 17.291 ng

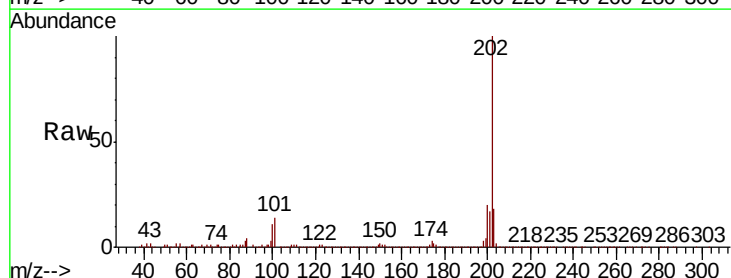
RT: 12.82 min Scan# 1825

Delta R.T. 0.01 min

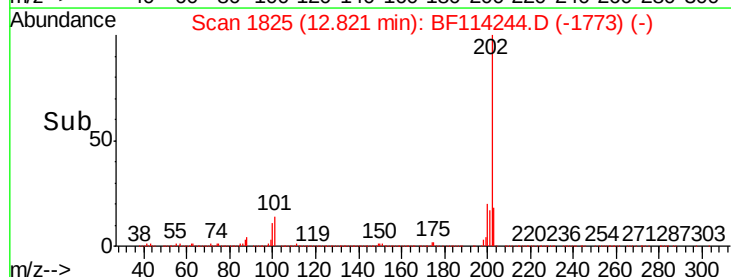
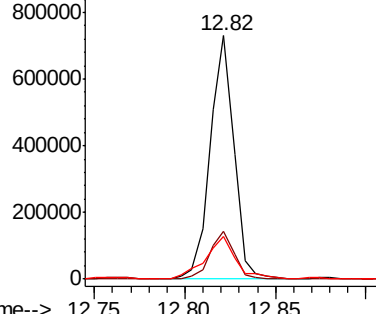
Lab File: BF114244.D

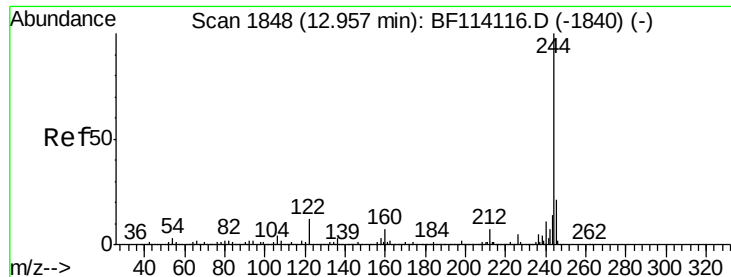
Acq: 13 May 2019 21:55

Tgt Ion:	202	Resp:	663020
Ion Ratio		Lower	Upper
202	100		
200	19.8	16.9	25.3
203	17.8	14.5	21.7



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





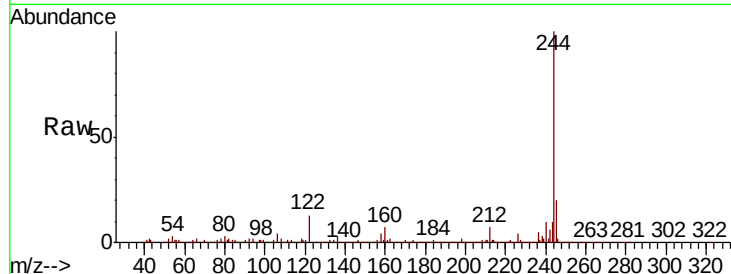
#79
 Terphenyl-d14
 Concen: 57.358 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: BF114244.D
 Acq: 13 May 2019 21:55

Instrument :
 BNA_F
 ClientSampled :
 FK-GF-02-039-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	13.4	9.4	14.2

Manual Integrations
 APPROVED

Sohil
 5/14/2019 8:03:31 PM

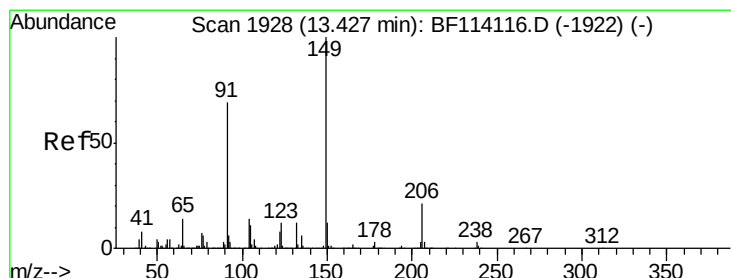
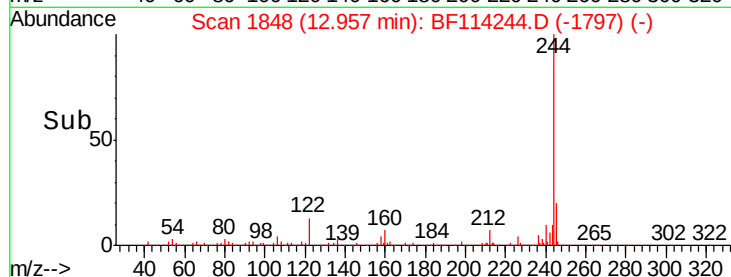
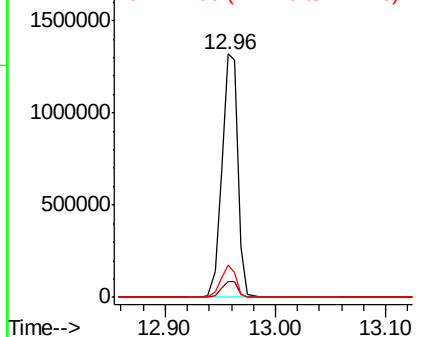


Abundance

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
 Butylbenzylphthalate
 Concen: 2.487 ng
 RT: 13.43 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: BF114244.D
 Acq: 13 May 2019 21:55

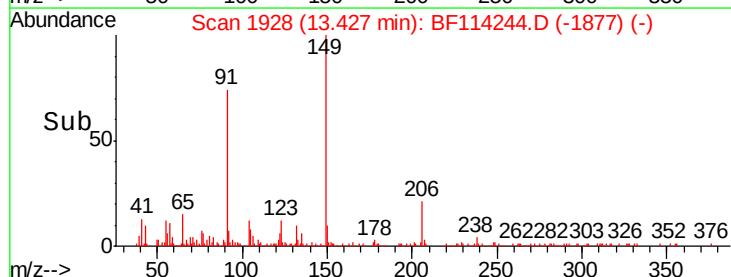
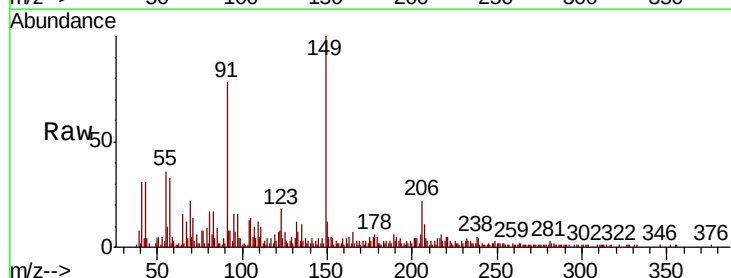
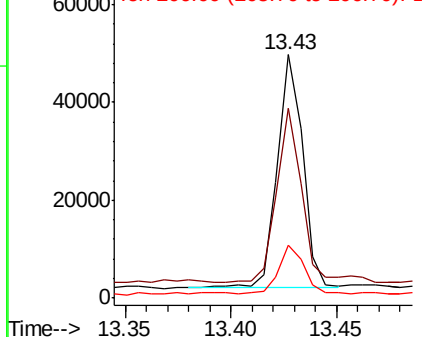
Tgt Ion	Ratio	Lower	Upper
149	100		
91	77.8	55.0	82.4
206	21.6	16.9	25.3

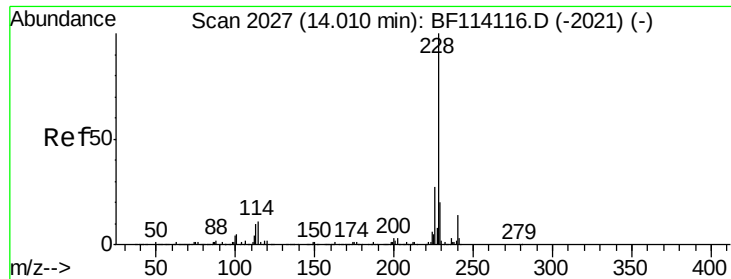
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





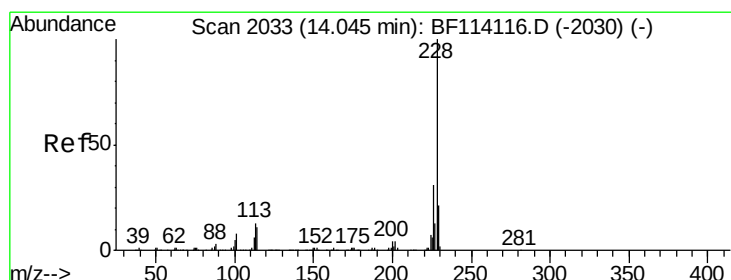
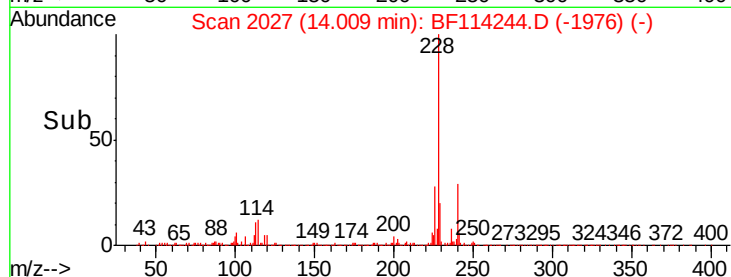
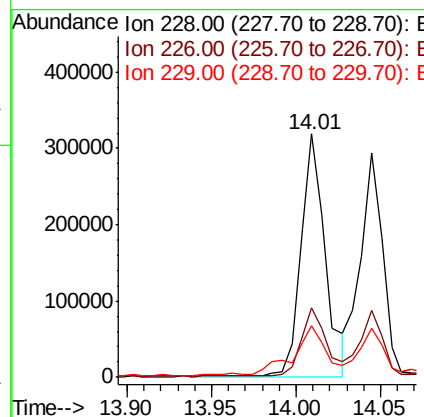
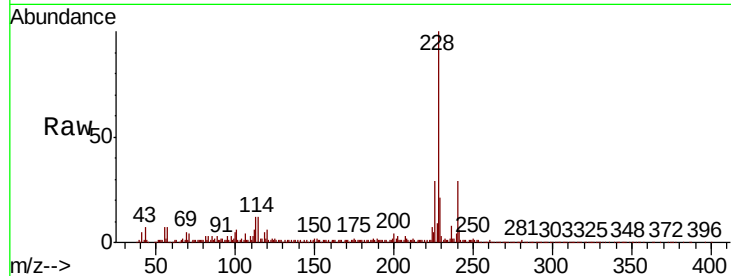
#81
Benzo(a)anthracene
Concen: 10.375 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-039-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.2	33.2
229	21.0	16.4	24.6

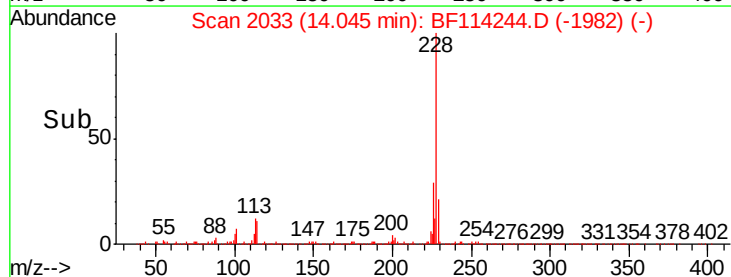
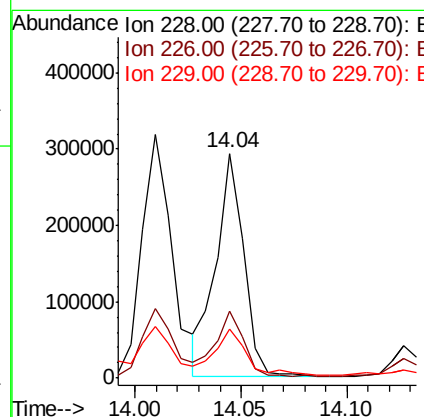
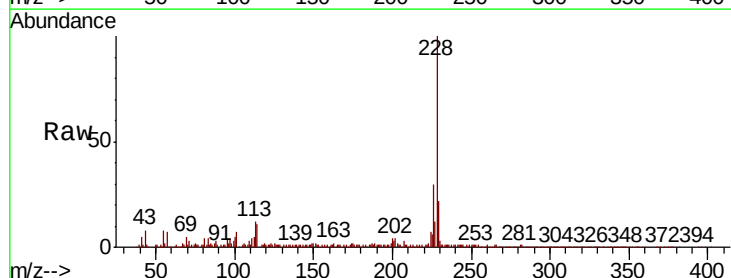
Manual Integrations
APPROVED

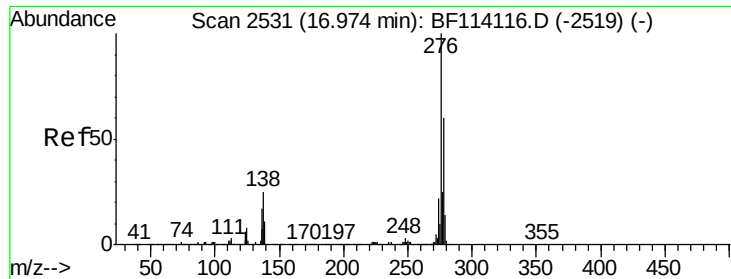
Sohil
5/14/2019 8:03:31 PM



#83
Chrysene
Concen: 8.996 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	21.9	17.0	25.6





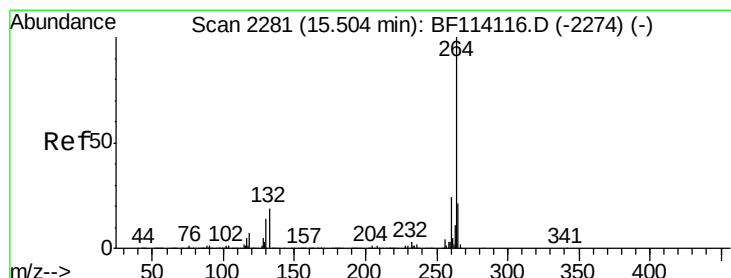
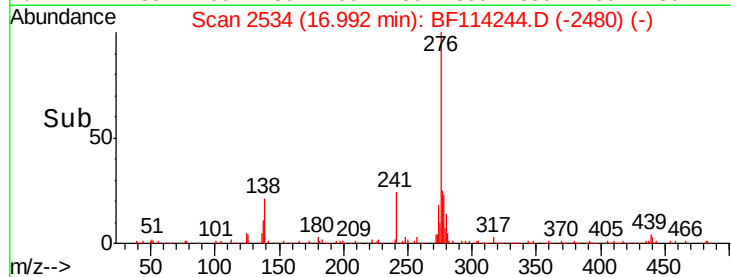
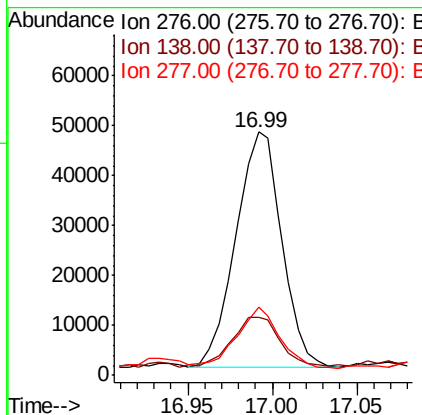
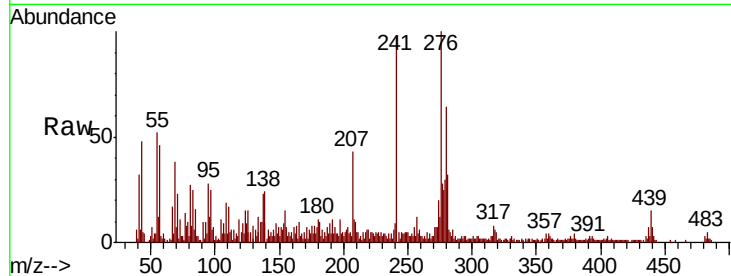
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.348 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. 0.02 min
 Lab File: BF114244.D
 Acq: 13 May 2019 21:55

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-039-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	20.2	30.2
277	24.1	20.0	30.0

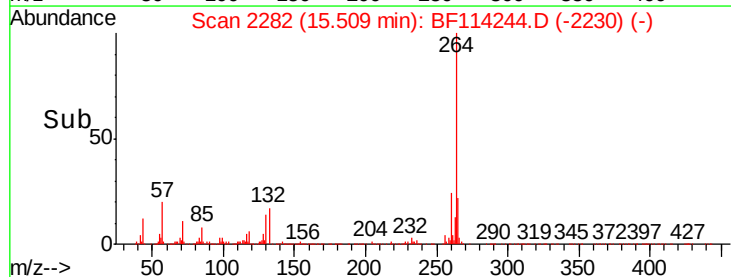
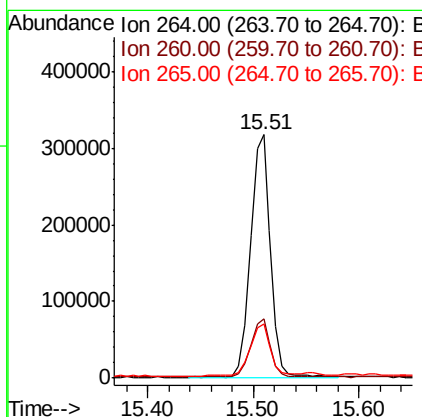
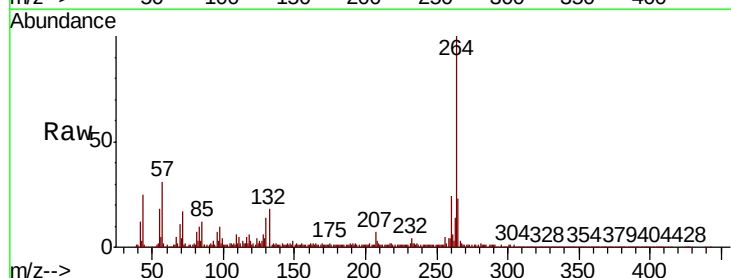
Manual Integrations
 APPROVED

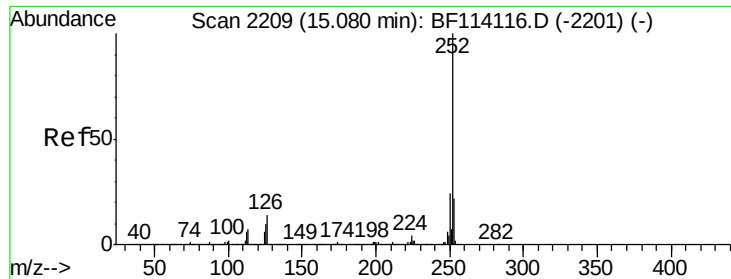
Sohil
 5/14/2019 8:03:31 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. 0.01 min
 Lab File: BF114244.D
 Acq: 13 May 2019 21:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	22.5	16.9	25.3





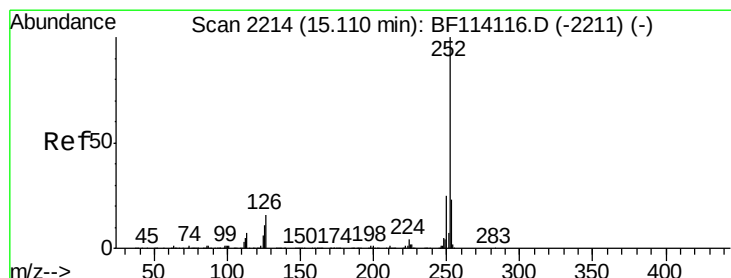
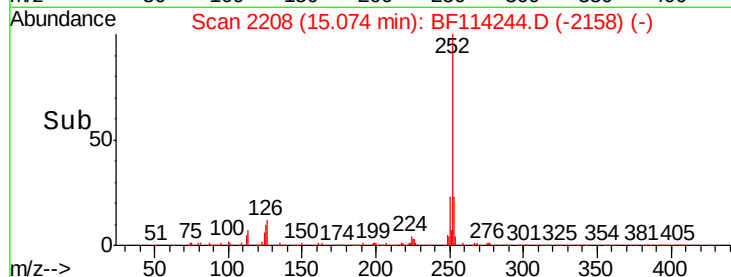
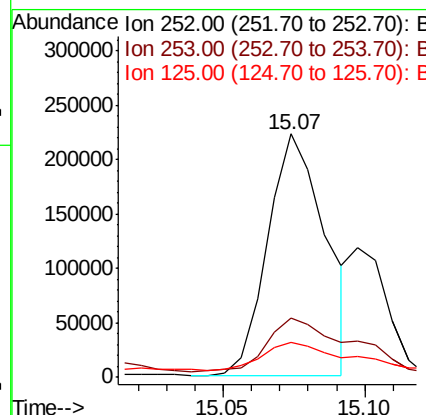
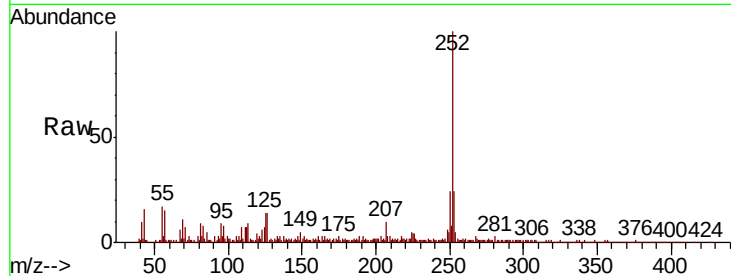
#88
Benzo(b)fluoranthene
Concen: 11.858 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-039-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.8
125	14.2	8.3	12.5#

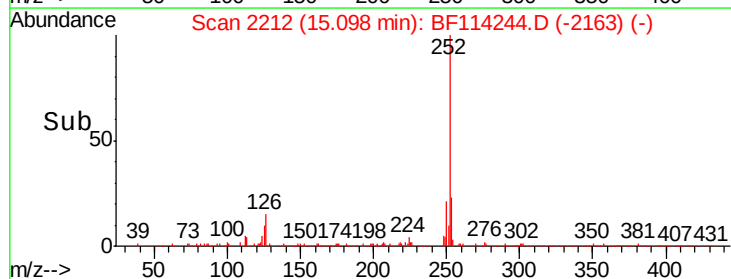
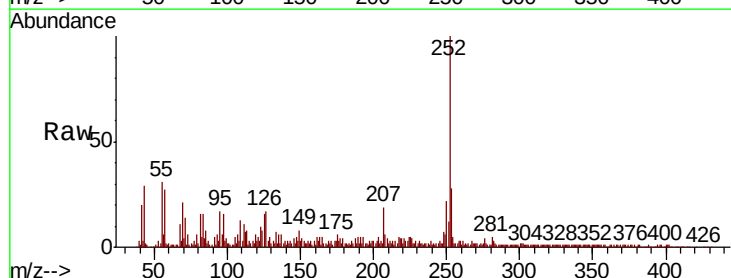
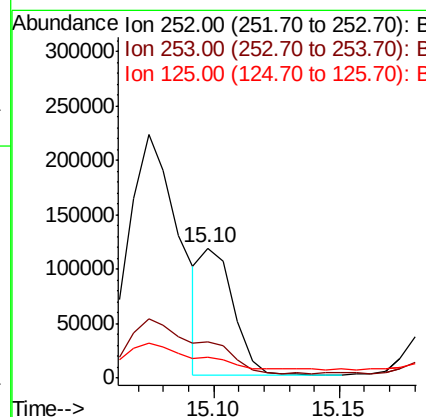
Manual Integrations
APPROVED

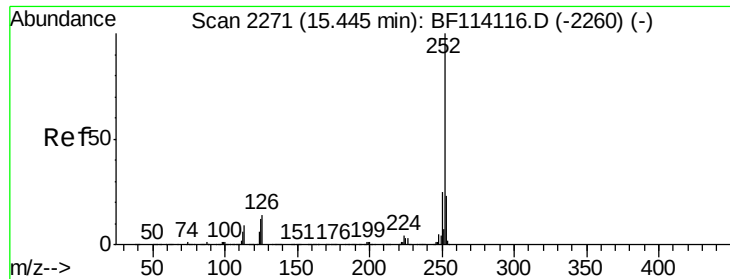
Sohil
5/14/2019 8:03:31 PM



#89
Benzo(k)fluoranthene
Concen: 4.205 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.7	18.2	27.2#
125	16.0	8.6	13.0#





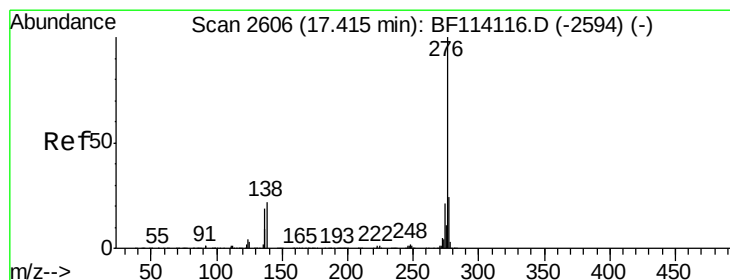
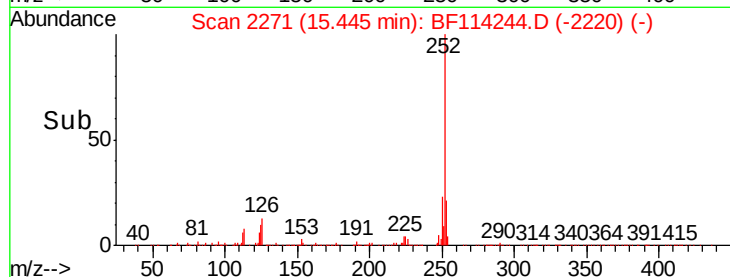
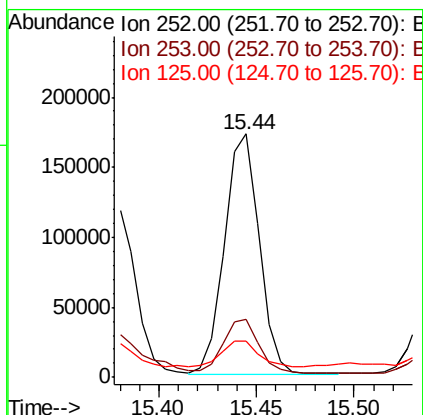
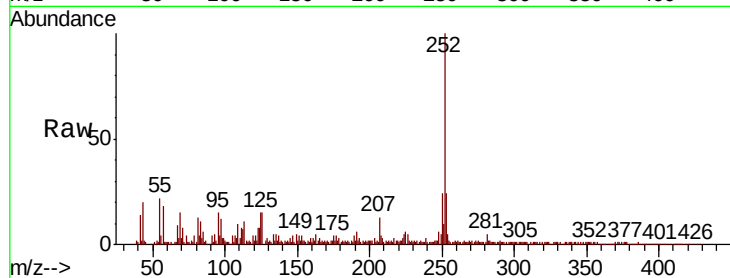
#90
Benzo(a)pyrene
Concen: 9.100 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-039-B

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.1	18.1	27.1
125	14.8	9.5	14.3

Manual Integrations
APPROVED

Sohil
5/14/2019 8:03:31 PM



#92
Benzo(g,h,i)perylene
Concen: 4.849 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.02 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	23.5	19.0	28.4
138	25.0	17.8	26.6

