

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
 Data File : BF114962.D
 Acq On : 11 Jun 2019 23:46
 Operator : HP/JU
 Sample : K3248-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-042-A

Manual Integrations
 APPROVED

mohammad
 6/12/2019 9:09:10 AM

Quant Time: Jun 12 05:34:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 16:44:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	264341	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	989573	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	441520	20.00	ng	0.00
64) Phenanthrene-d10	11.16	188	716714	20.00	ng	0.00
76) Chrysene-d12	13.79	240	555500	20.00	ng	0.00
87) Perylene-d12	15.17	264	427894	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1270752	81.36	ng	0.00
7) Phenol-d6	6.30	99	1564407	83.04	ng	0.00
23) Nitrobenzene-d5	7.22	82	932621	57.91	ng	0.00
42) 2,4,6-Tribromophenol	10.47	330	334686	69.68	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	1653267	59.43	ng	0.00
79) Terphenyl-d14	12.74	244	1390195	49.77	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.41	163	218161	6.574	ng	97
71) Phenanthrene	11.19	178	275841	7.933	ng	94
75) Fluoranthene	12.37	202	402561	11.193	ng	93
78) Pyrene	12.59	202	379236	7.839	ng	97
81) Benzo(a)anthracene	13.77	228	191513	4.663	ng	97
83) Chrysene	13.81	228	182281	4.419	ng	97
88) Benzo(b)fluoranthene	14.78	252	195766m	7.027	ng	
89) Benzo(k)fluoranthene	14.80	252	61180m	2.531	ng	
90) Benzo(a)pyrene	15.11	252	121289	5.013	ng	# 94
92) Benzo(g,h,i)perylene	16.86	276	61485	3.018	ng	91

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

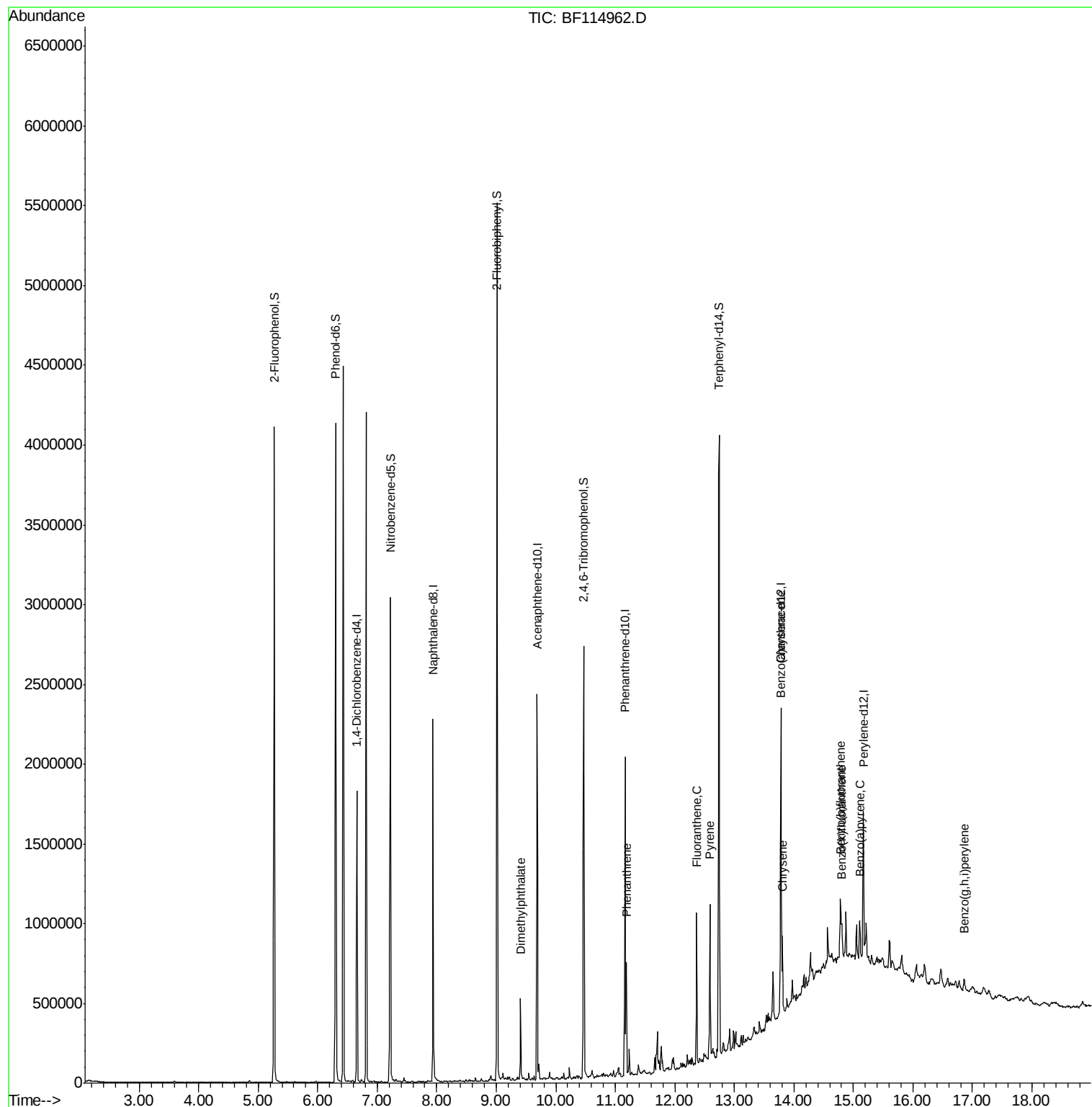
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
Data File : BF114962.D
Acq On : 11 Jun 2019 23:46
Operator : HP/JU
Sample : K3248-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

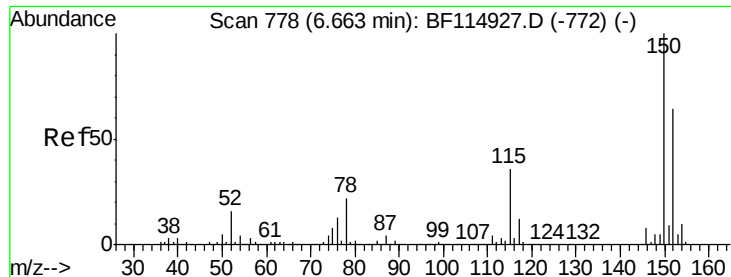
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-042-A

Manual Integrations
APPROVED

mohammad
6/12/2019 9:09:10 AM

Quant Time: Jun 12 05:34:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 16:44:00 2019
Response via : Initial Calibration





#1

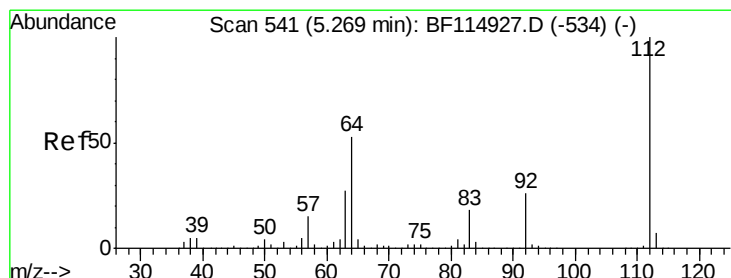
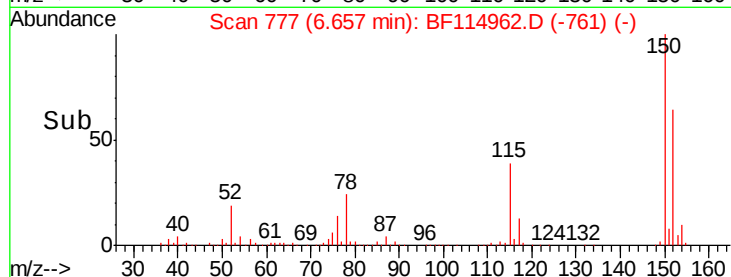
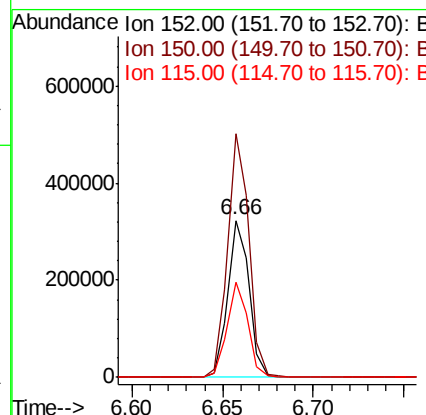
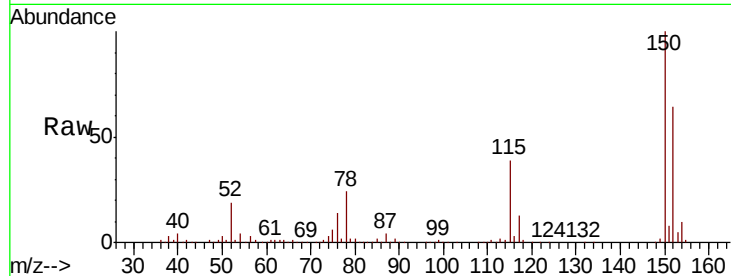
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-042-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	125.2	187.8
115	60.3	45.0	67.4

Manual Integrations
APPROVED

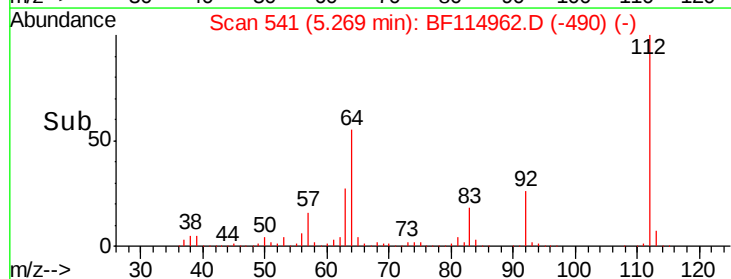
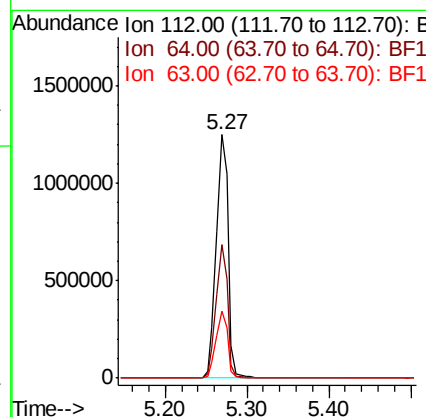
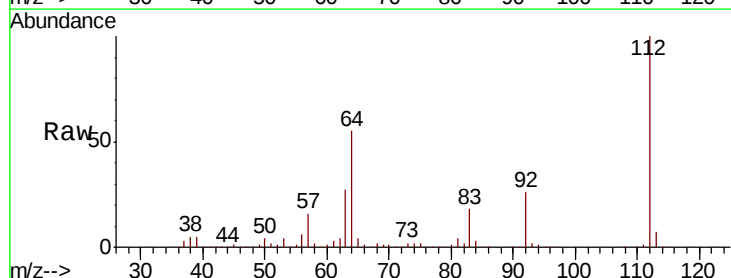
mohammad
6/12/2019 9:09:10 AM



#5

2-Fluorophenol
Concen: 81.359 ng
RT: 5.27 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	42.1	63.1
63	27.4	21.8	32.8





#7

Phenol-d6

Concen: 83.038 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF114962.D

Acq: 11 Jun 2019 23:46

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-042-A

Tot Ion: 99 Resp: 1564407

Ion Ratio Lower Upper

99 100

42 16.4 13.1 19.7

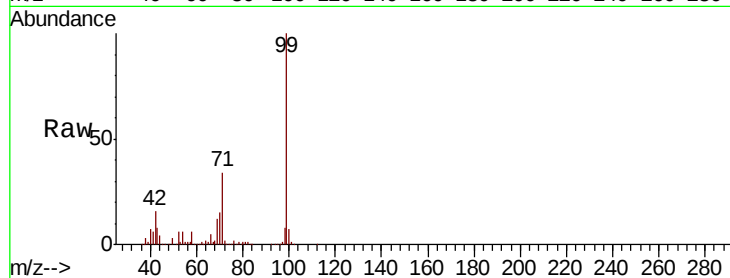
71 33.8 26.8 40.2

Manual Integrations

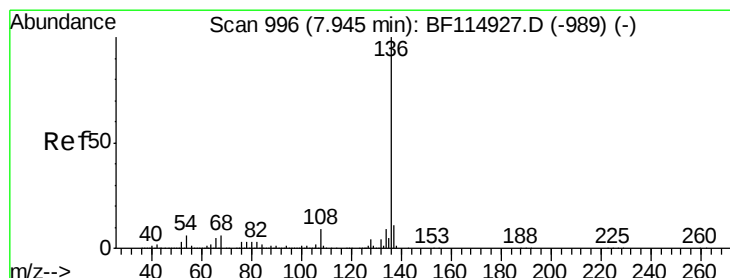
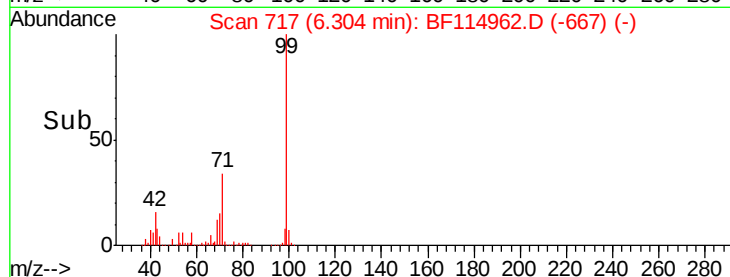
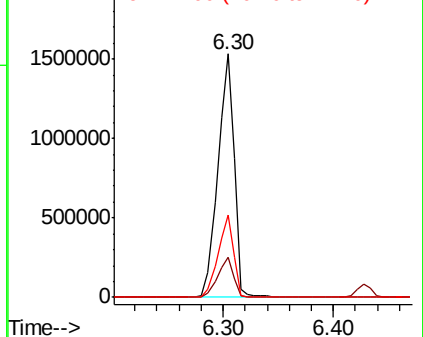
APPROVED

mohammad

6/12/2019 9:09:10 AM



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: 7.94 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF114962.D

Acq: 11 Jun 2019 23:46

Tgt Ion: 136 Resp: 989573

Ion Ratio Lower Upper

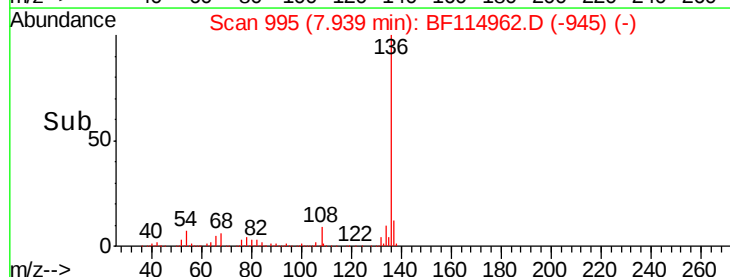
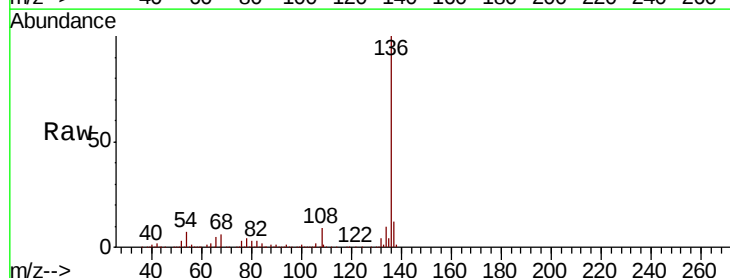
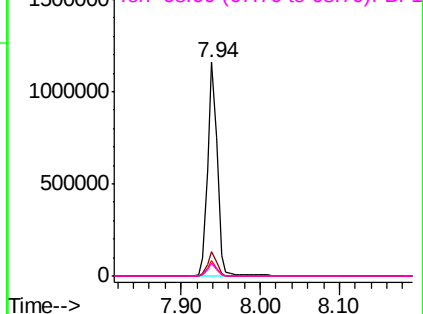
136 100

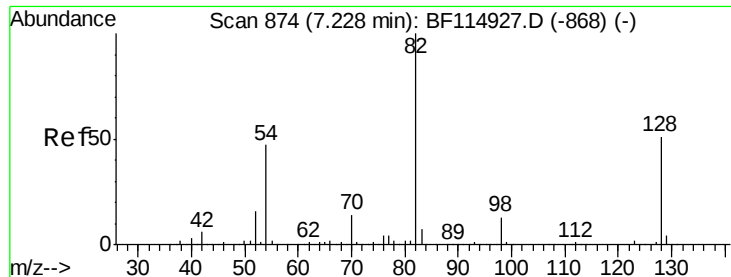
137 11.5 9.0 13.6

54 7.0 5.2 7.8

68 5.9 4.6 7.0

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





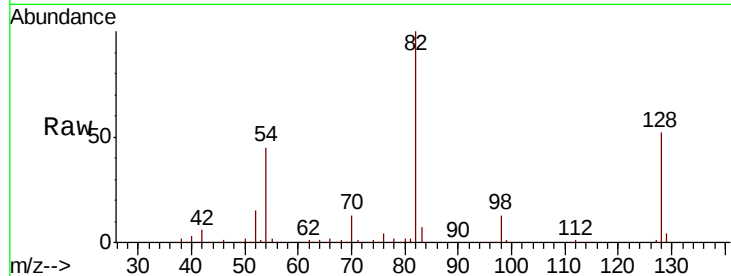
#23
Nitrobenzene-d5
Concen: 57.906 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Instrument :
BNA_F
ClientSampled :
FK-GF-02-042-A

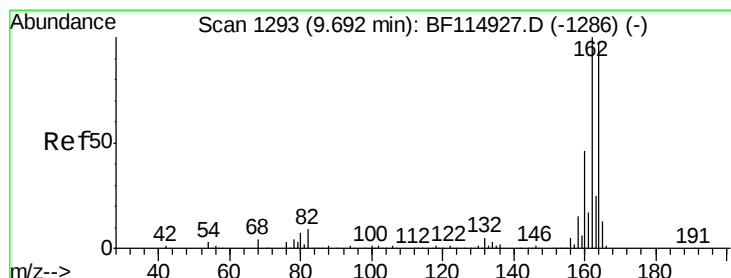
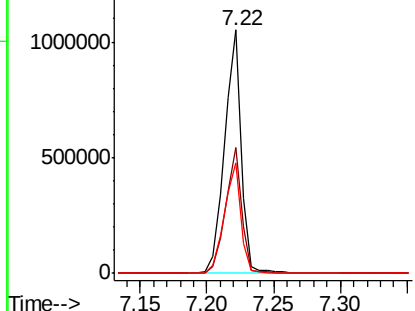
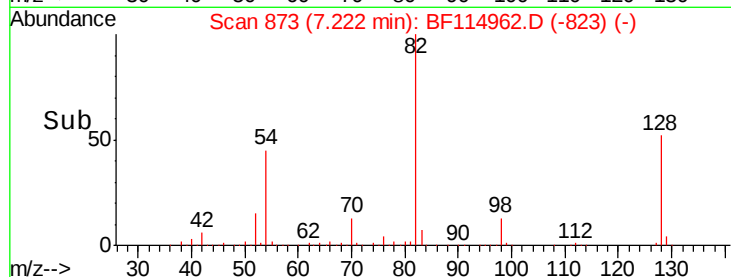
Tot Ion	Ratio	Lower	Upper
82	100		
128	51.7	40.9	61.3
54	45.3	37.4	56.0

Manual Integrations
APPROVED

mohammad
6/12/2019 9:09:10 AM

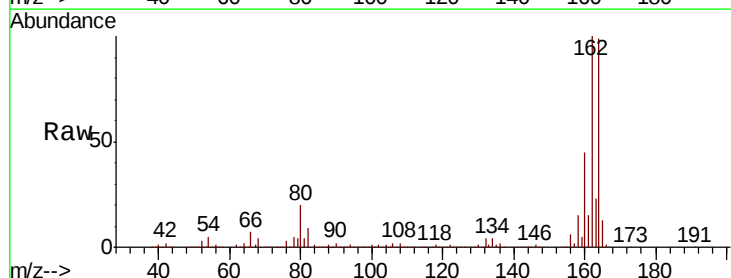


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

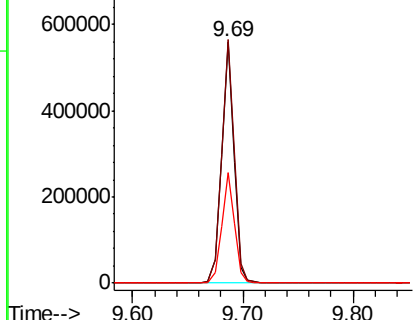
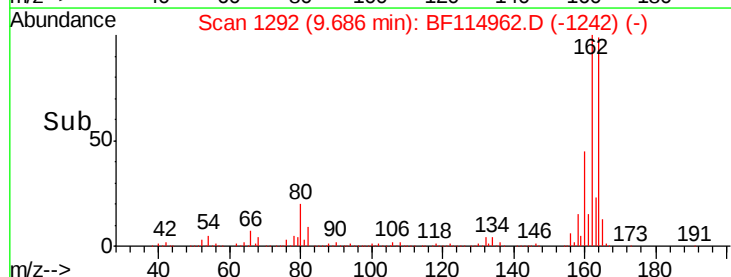


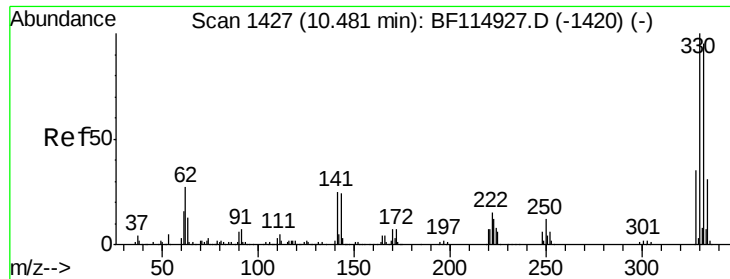
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.4	123.6
160	45.6	37.5	56.3



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 69.684 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BF114962.D

Acq: 11 Jun 2019 23:46

Instrument :

BNA_F

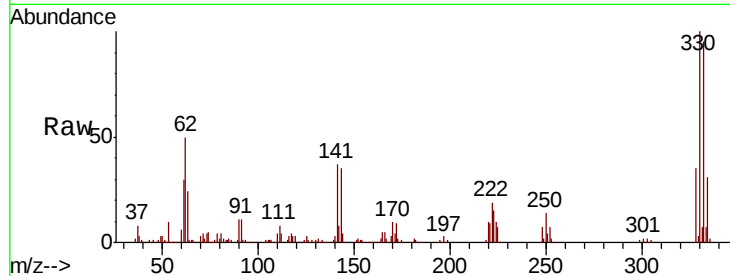
ClientSampleId :

FK-GF-02-042-A

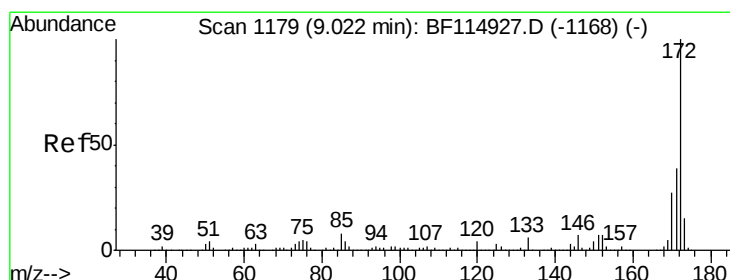
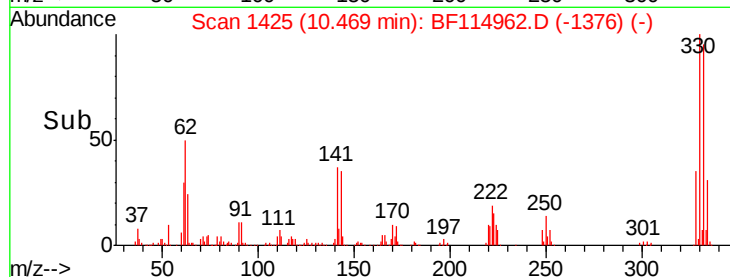
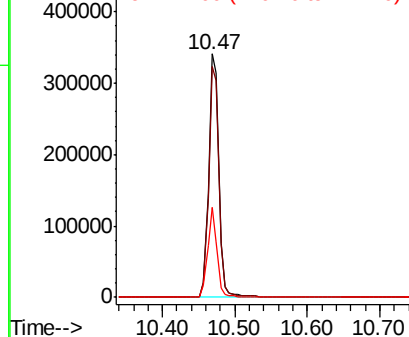
Tot Ion:	330	Resp:	334686
Ion Ratio	Lower	Upper	
330	100		
332	95.4	76.4	114.6
141	34.0	26.8	40.2

Manual Integrations
APPROVED

mohammad
6/12/2019 9:09:10 AM



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: 59.428 ng

RT: 9.02 min Scan# 1178

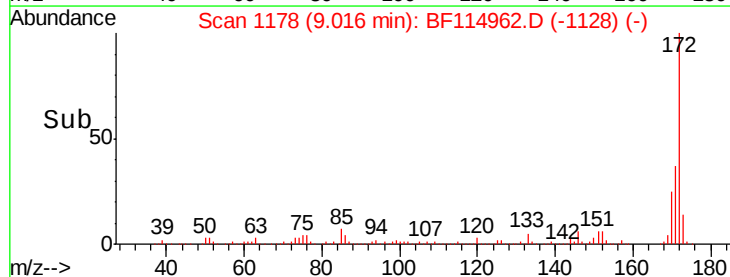
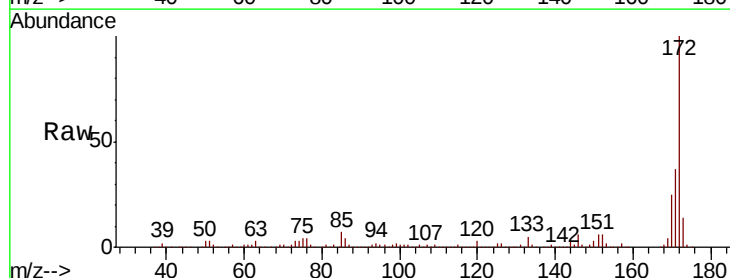
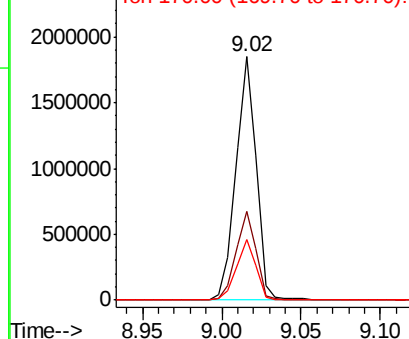
Delta R.T. -0.01 min

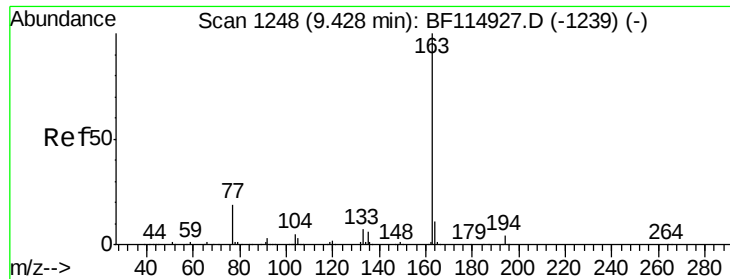
Lab File: BF114962.D

Acq: 11 Jun 2019 23:46

Tgt Ion:	172	Resp:	1653267
Ion Ratio	Lower	Upper	
172	100		
171	36.6	31.3	46.9
170	24.9	21.4	32.0

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





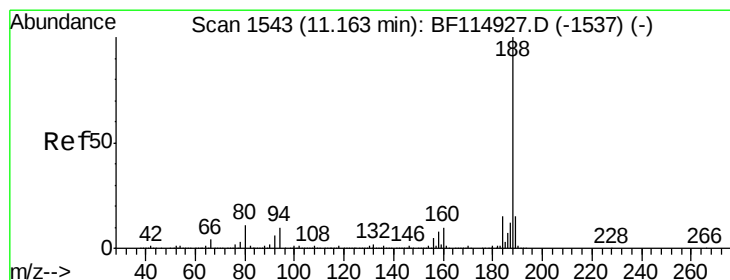
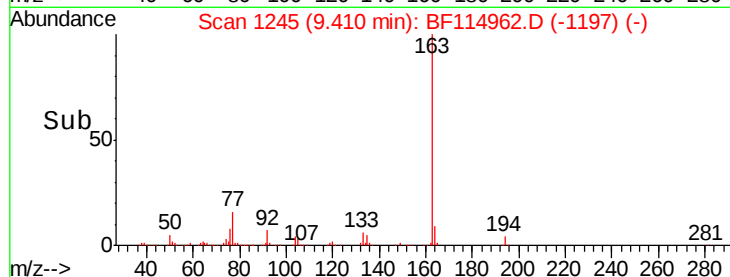
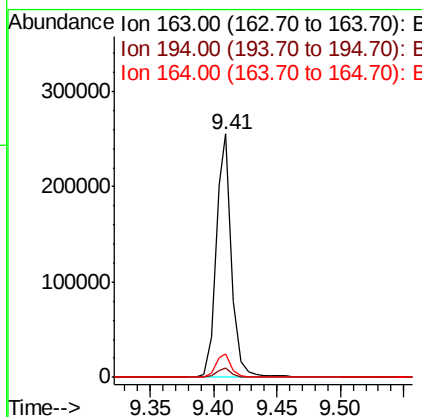
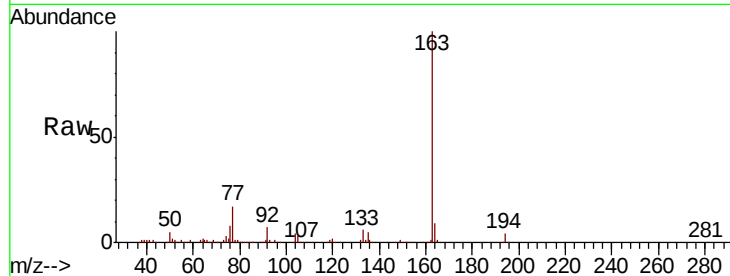
#50
Dimethylphthalate
Concen: 6.574 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-042-A

Tot Ion	Ratio	Resp	Lower	Upper
163	100	218161		
194	3.9	5.0	3.4	5.0
164	9.4	13.1	8.7	13.1

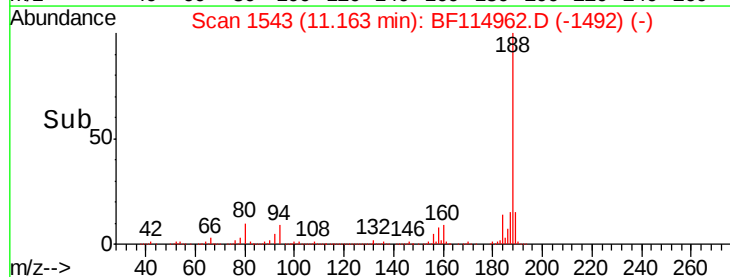
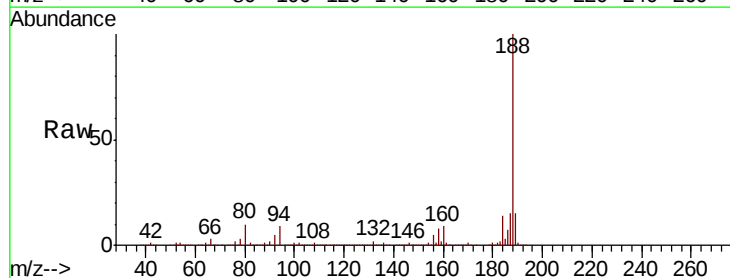
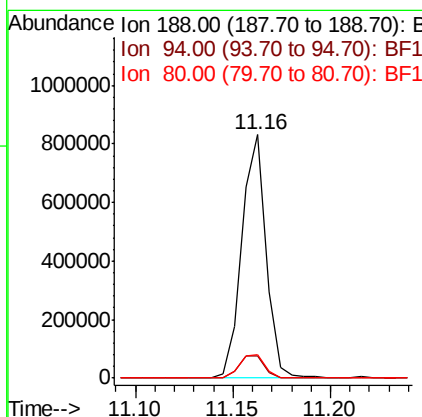
Manual Integrations
APPROVED

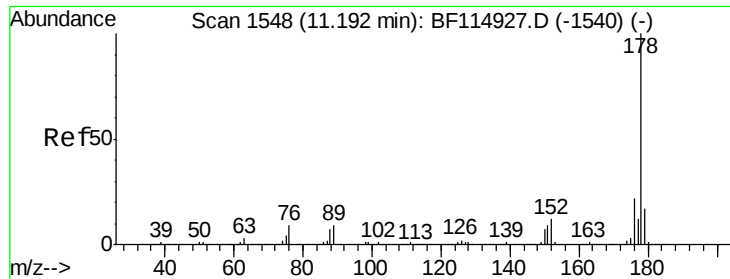
mohammad
6/12/2019 9:09:10 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.00 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	716714		
94	9.2	12.1	8.1	12.1
80	9.7	12.8	8.6	12.8





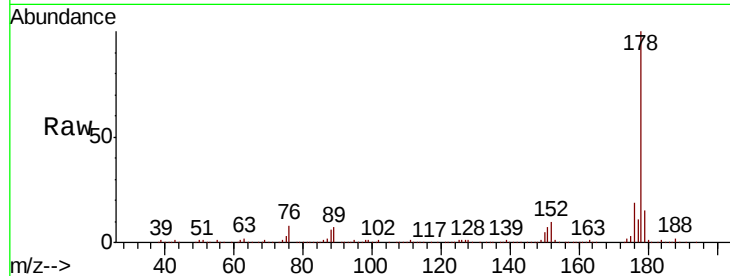
#71
Phenanthrene
Concen: 7.933 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-042-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	17.4	26.2
179	14.7	13.6	20.4

Manual Integrations
APPROVED

mohammad
6/12/2019 9:09:10 AM

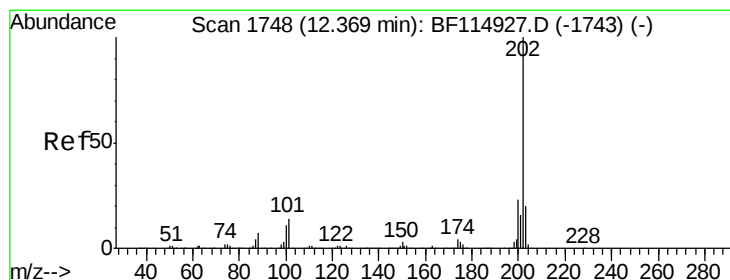
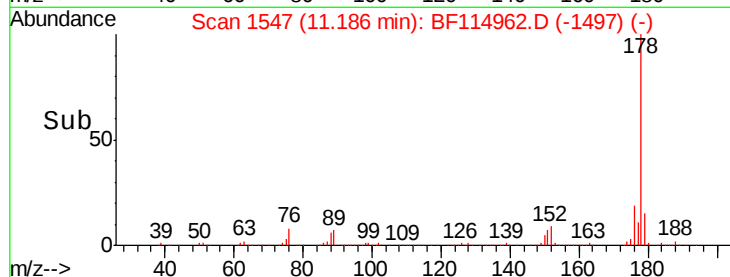
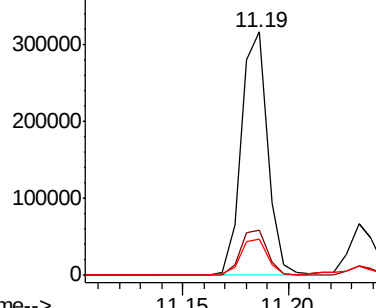


Abundance

Ion 178.00 (177.70 to 178.70): E

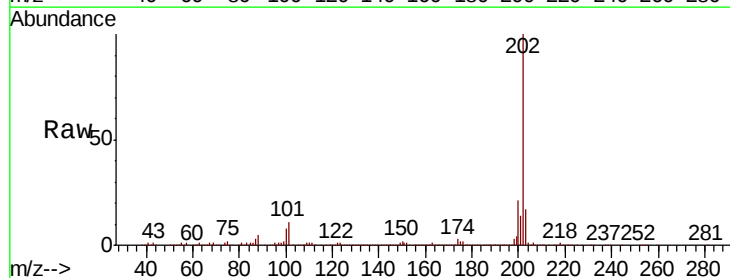
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 11.193 ng
RT: 12.37 min Scan# 1748
Delta R.T. -0.00 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	34.3
203	17.0	0.0	39.6

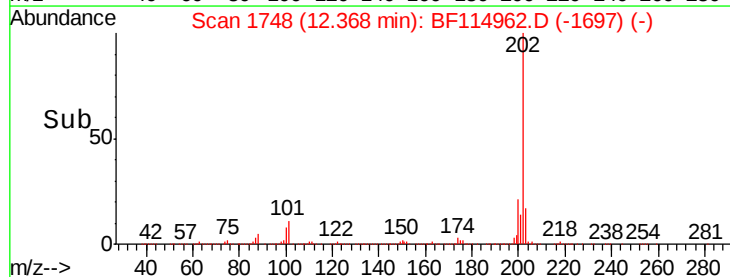
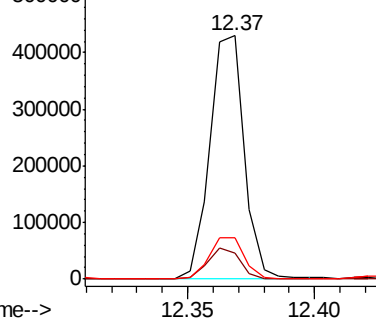


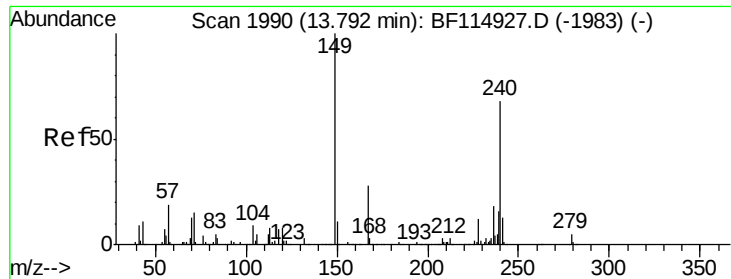
Abundance

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





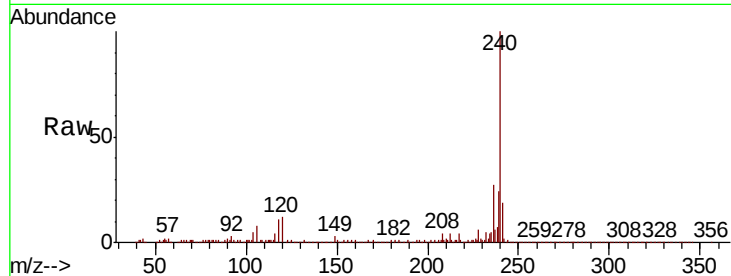
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-042-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.2	13.8
236	27.4	21.7	32.5

Manual Integrations
APPROVED

mohammad
6/12/2019 9:09:10 AM

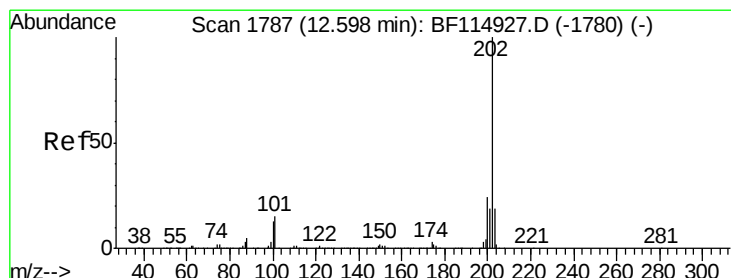
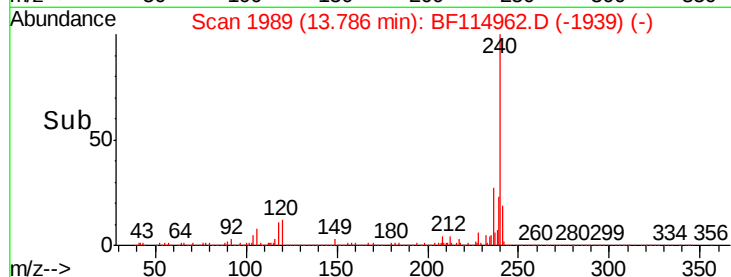
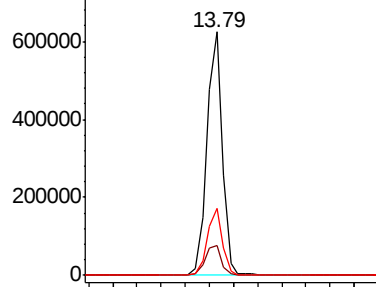


Abundance

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: 7.839 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

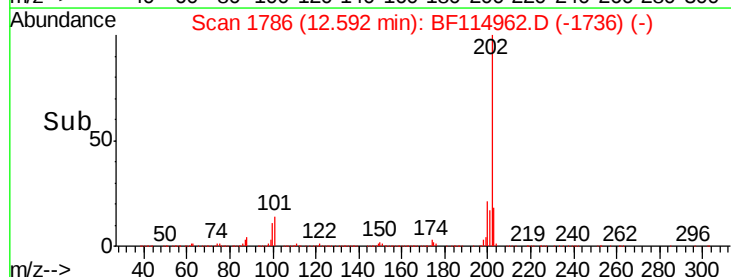
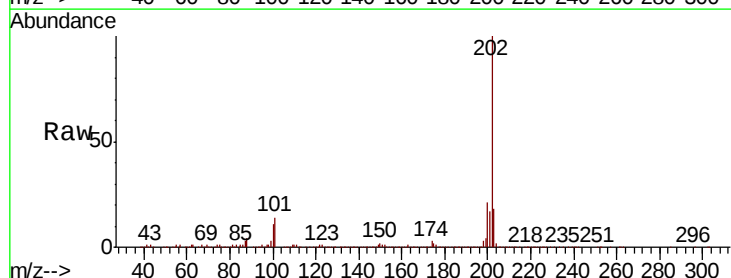
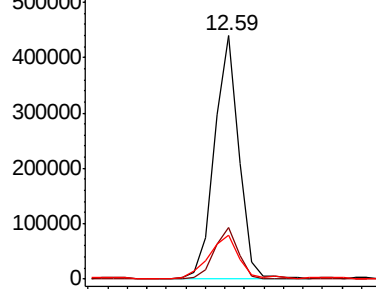
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.9	28.3
203	18.1	15.2	22.8

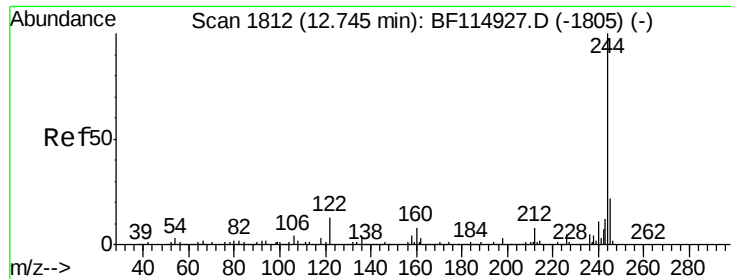
Abundance

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





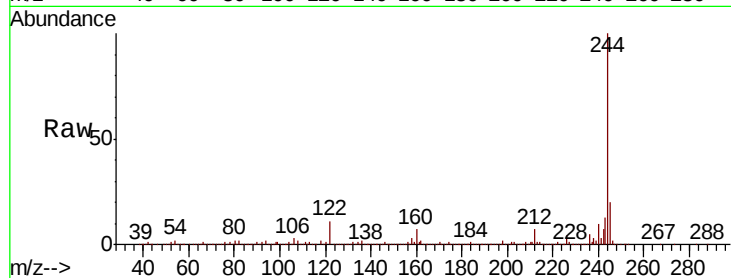
#79
 Terphenyl-d14
 Concen: 49.770 ng
 RT: 12.74 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: BF114962.D
 Acq: 11 Jun 2019 23:46

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-042-A

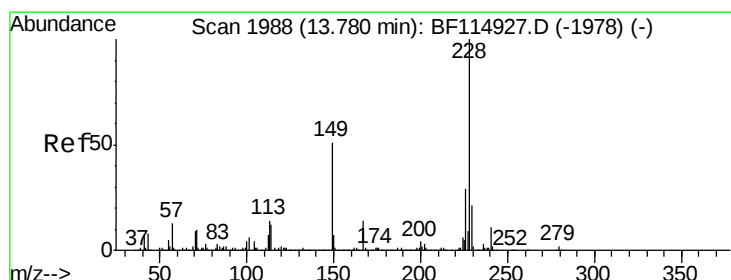
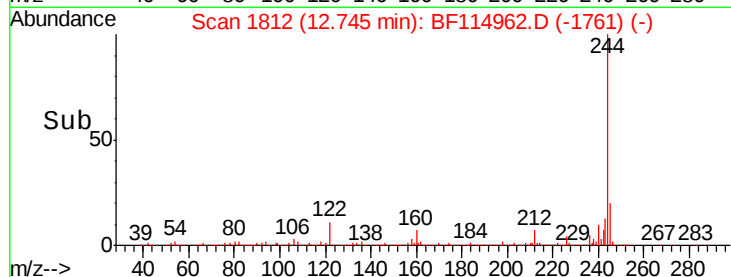
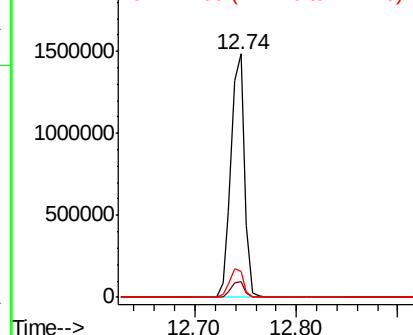
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.2	9.2
122	10.9	10.2	15.4

Manual Integrations
 APPROVED

mohammad
 6/12/2019 9:09:10 AM

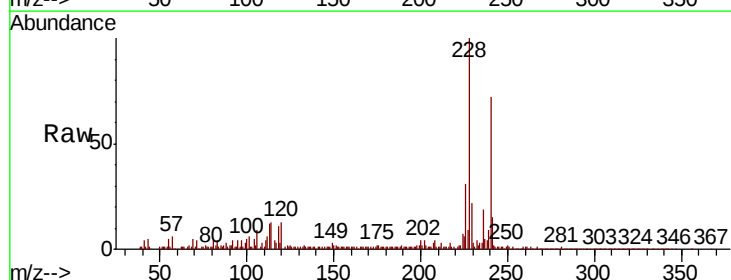


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

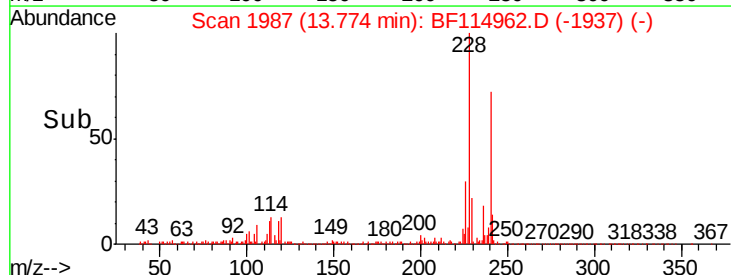
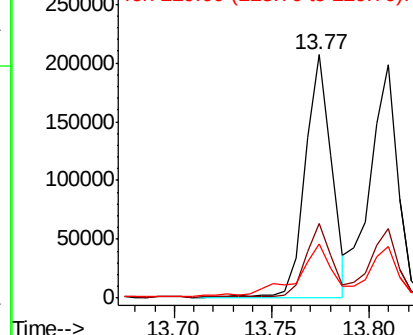


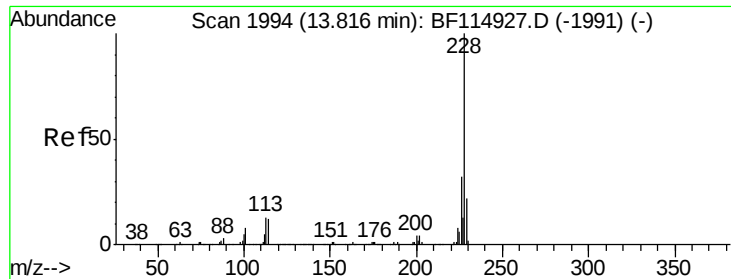
#81
 Benzo(a)anthracene
 Concen: 4.663 ng
 RT: 13.77 min Scan# 1987
 Delta R.T. -0.01 min
 Lab File: BF114962.D
 Acq: 11 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.8	34.2
229	22.1	16.6	25.0



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





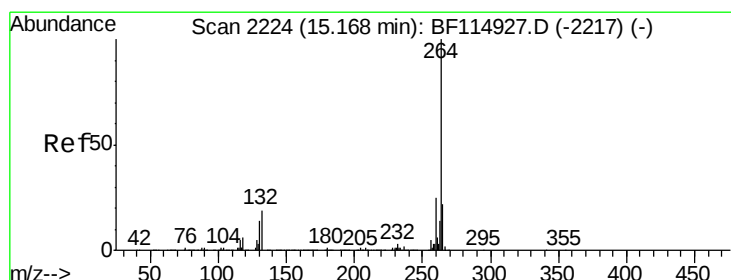
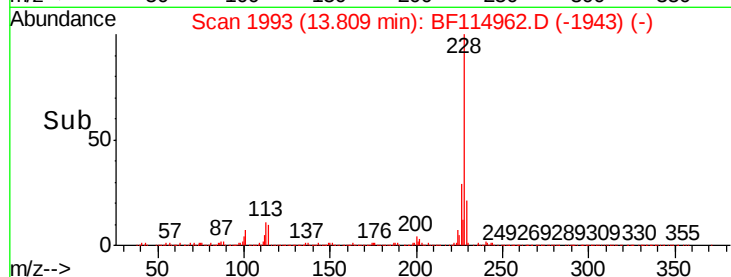
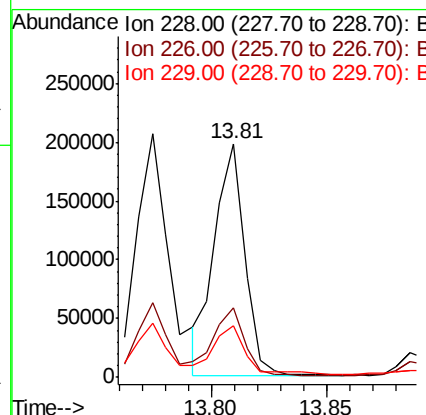
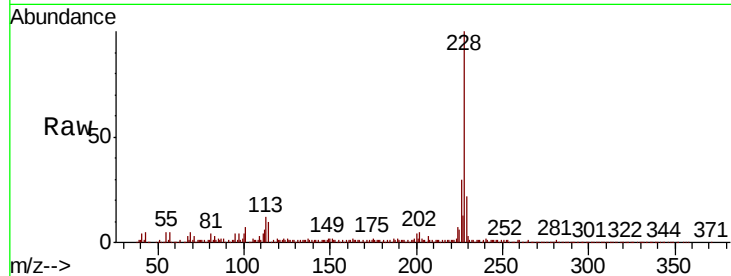
#83
Chrysene
Concen: 4.419 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-042-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.8	38.8
229	21.9	17.2	25.8

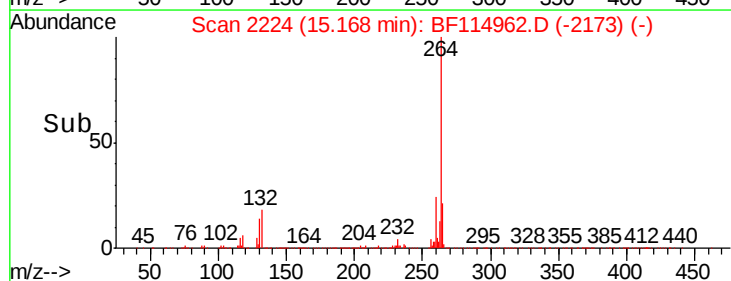
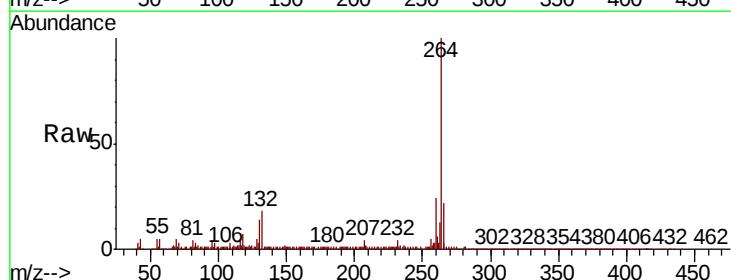
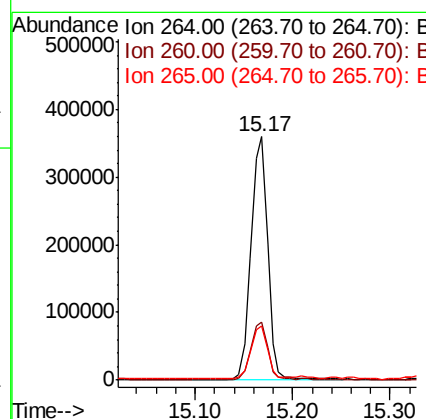
Manual Integrations
APPROVED

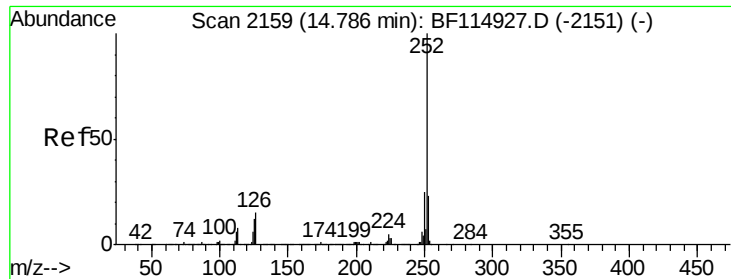
mohammad
6/12/2019 9:09:10 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.7	29.5
265	22.0	17.5	26.3





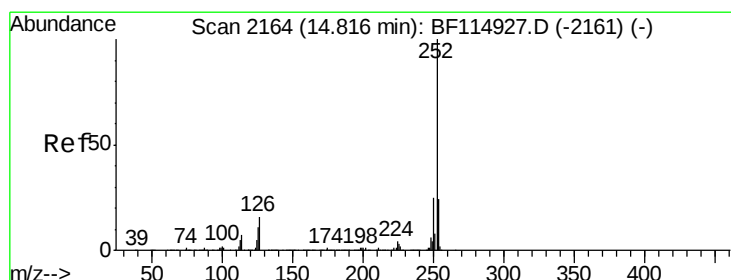
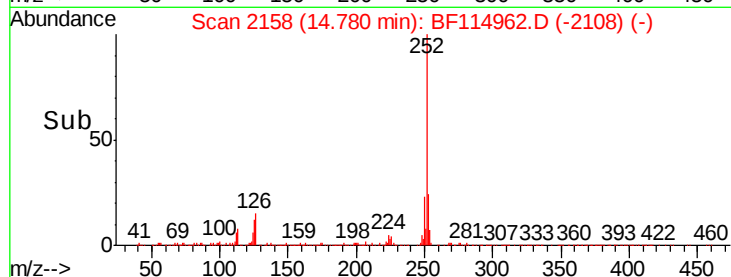
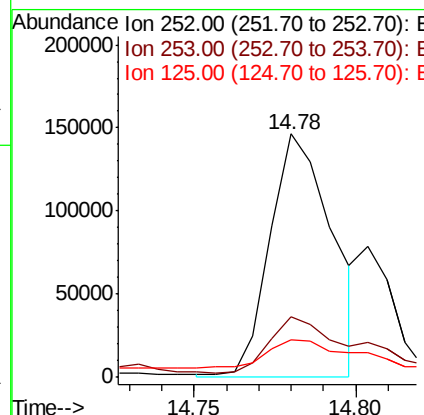
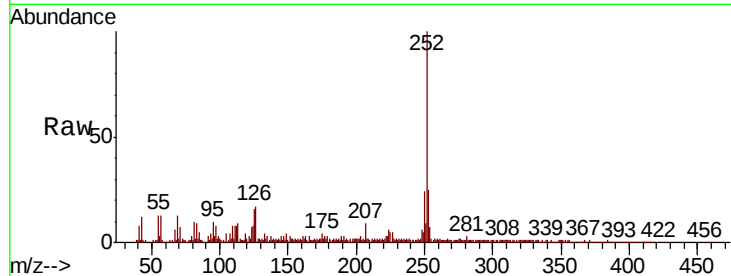
#88
Benzo(b)fluoranthene
Concen: 7.027 ng m
RT: 14.78 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-042-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.6	28.0
125	15.6	9.5	14.3

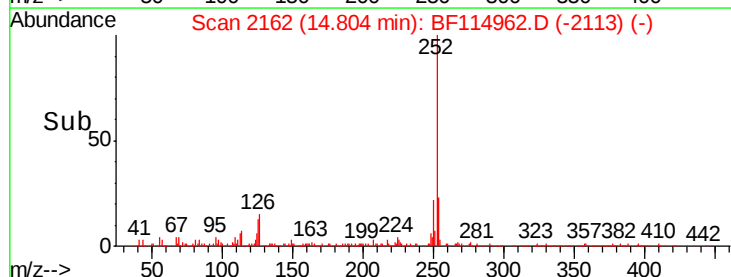
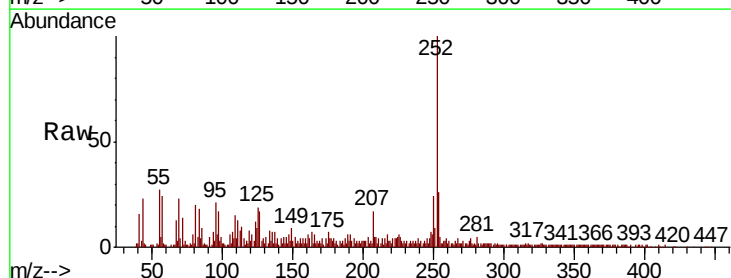
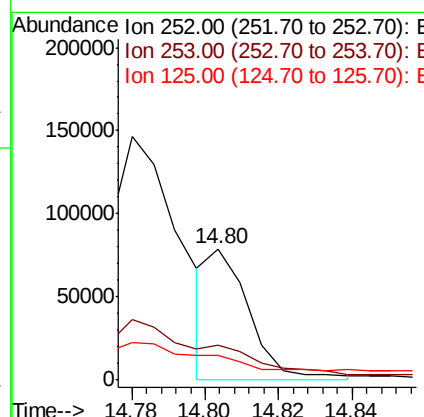
Manual Integrations
APPROVED

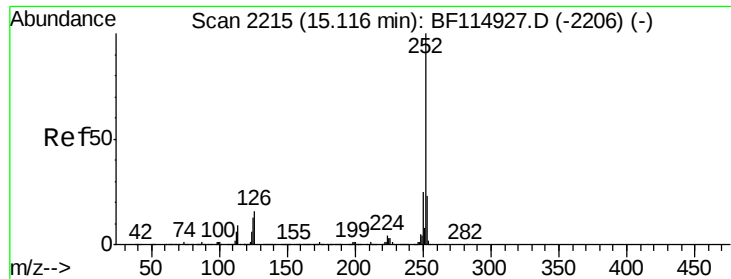
mohammad
6/12/2019 9:09:10 AM



#89
Benzo(k)fluoranthene
Concen: 2.531 ng m
RT: 14.80 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.6	28.0
125	19.3	9.2	13.8





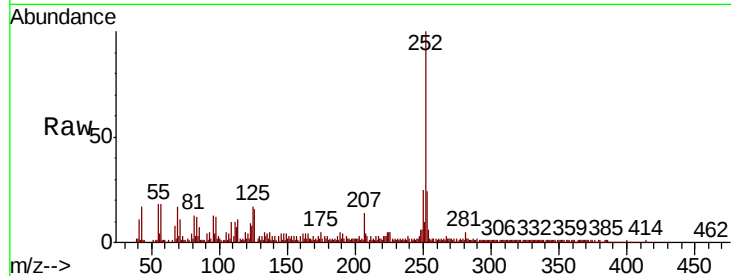
#90
Benzo(a)pyrene
Concen: 5.013 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-042-A

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.2	18.2	27.2
125	16.9	10.1	15.1

Manual Integrations
APPROVED

mohammad
6/12/2019 9:09:10 AM

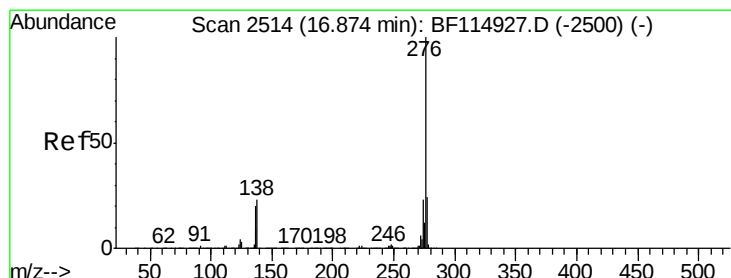
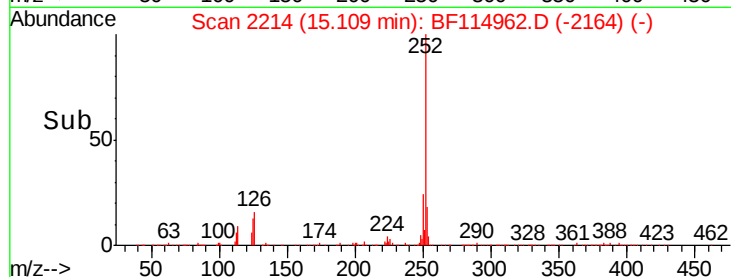
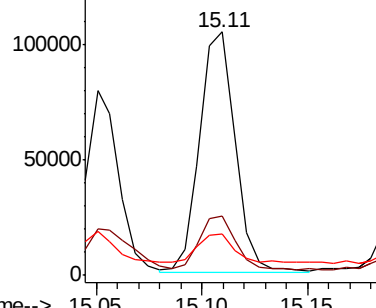


Abundance

Ion 252.00 (251.70 to 252.70): E

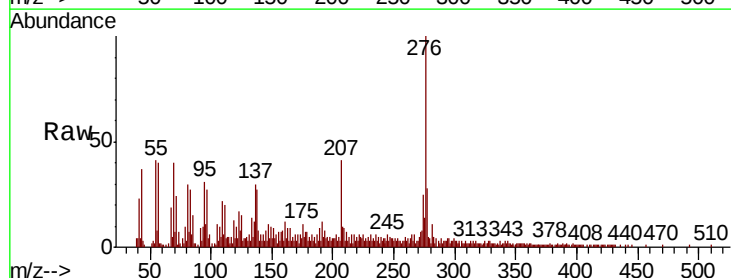
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.018 ng
RT: 16.86 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	28.3	19.0	28.6
138	27.4	18.7	28.1



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

