

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114689.D
 Acq On : 31 May 2019 4:17
 Operator : HP/JU
 Sample : K3008-05RX
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-21RX

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:48:04 AM

Quant Time: May 31 08:28:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	749065	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	2560238	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	1144421	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	2013312	20.00	ng	0.01
76) Chrysene-d12	13.83	240	1194213	20.00	ng	0.01
87) Perylene-d12	15.22	264	1041869	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	2024655	47.46	ng	0.01
7) Phenol-d6	6.34	99	2453797	47.73	ng	0.01
23) Nitrobenzene-d5	7.26	82	1382698	33.69	ng	0.00
42) 2,4,6-Tribromophenol	10.51	330	474053	43.47	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	2405485	28.93	ng	0.00
79) Terphenyl-d14	12.79	244	2233303	35.16	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.45	163	438520	5.499	ng	99
71) Phenanthrene	11.22	178	569846	5.549	ng	96
75) Fluoranthene	12.40	202	885500	8.327	ng	98
78) Pyrene	12.63	202	779166	7.713	ng	97
81) Benzo(a)anthracene	13.82	228	356368	3.883	ng	96
83) Chrysene	13.85	228	305112	3.480	ng	95
88) Benzo(b)fluoranthene	14.83	252	339786m	5.178	ng	
90) Benzo(a)pyrene	15.16	252	236449	4.102	ng	# 87
92) Benzo(g,h,i)perylene	16.95	276	138208	2.795	ng	91

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

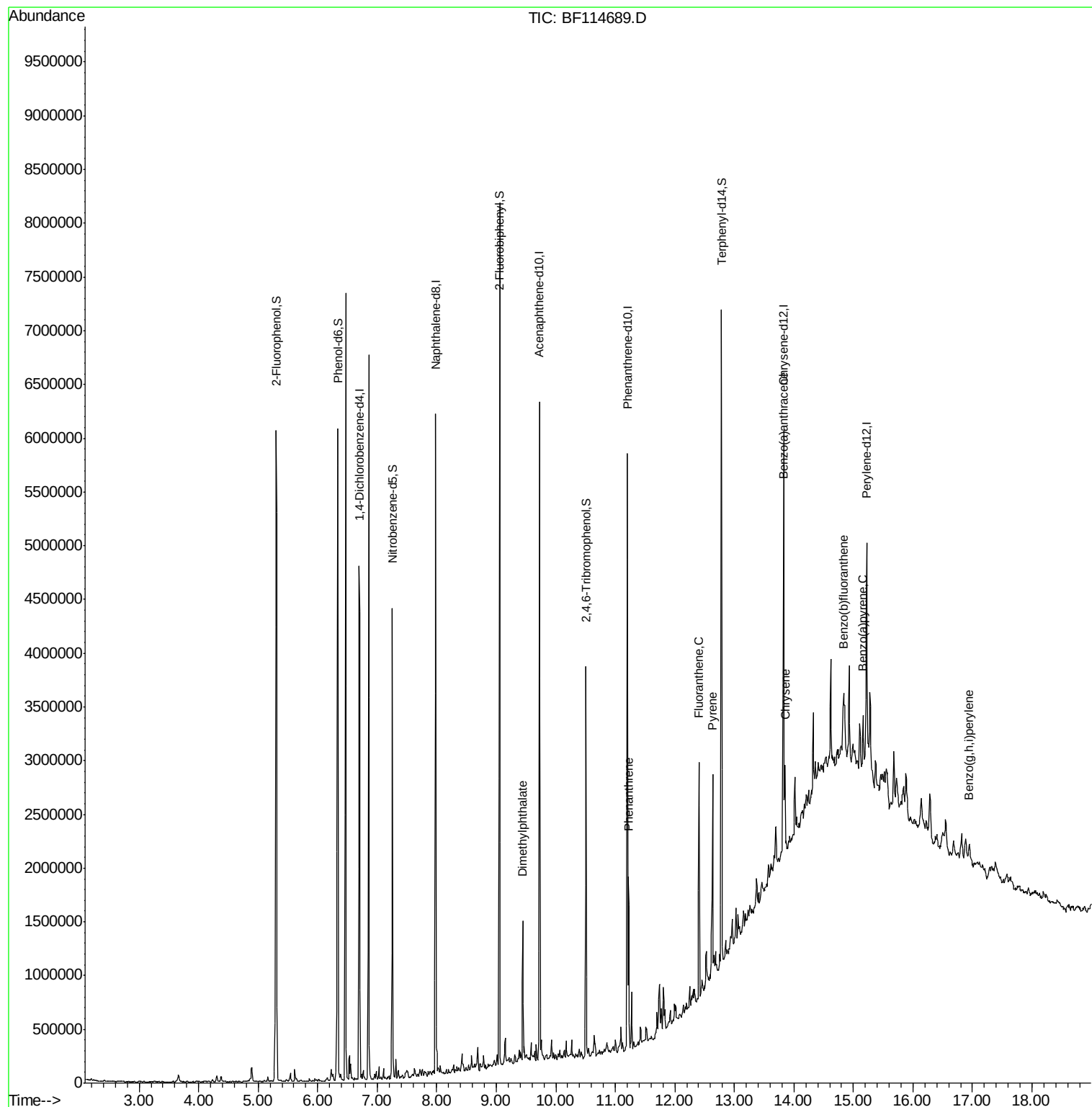
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
Data File : BF114689.D
Acq On : 31 May 2019 4:17
Operator : HP/JU
Sample : K3008-05RX
Misc :
ALS Vial : 22 Sample Multiplier: 1

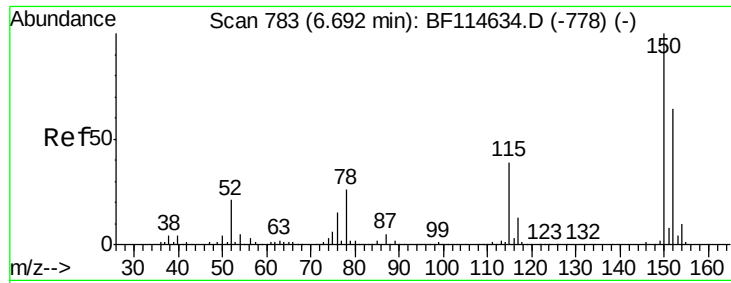
Instrument :
BNA_F
ClientSampleId :
COMP-21RX

Manual Integrations
APPROVED

mohammad
6/3/2019 8:48:04 AM

Quant Time: May 31 08:28:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
Response via : Initial Calibration





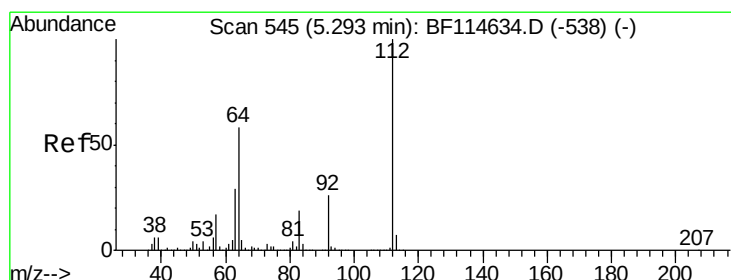
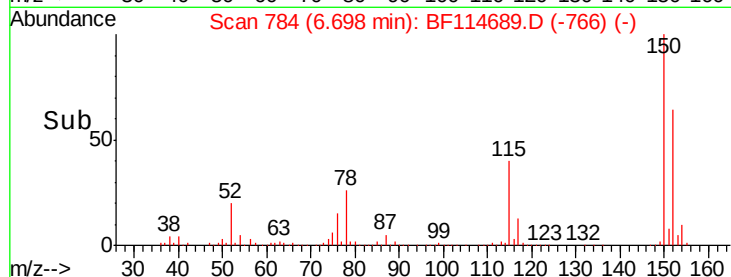
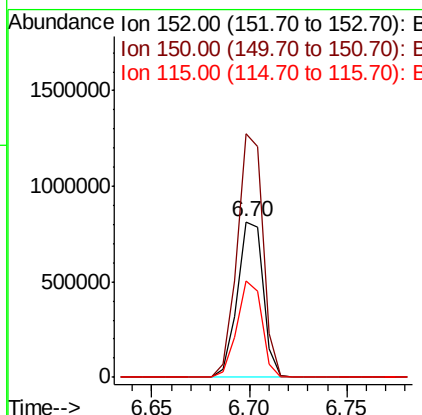
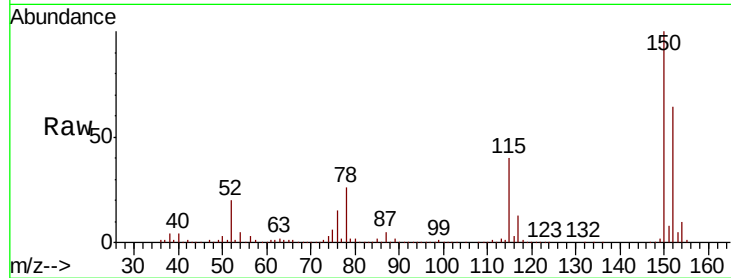
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 784
 Delta R.T. 0.01 min
 Lab File: BF114689.D
 Acq: 31 May 2019 4:17

Instrument :
 BNA_F
 ClientSampleId :
 COMP-21RX

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.4	186.6
115	62.3	48.7	73.1

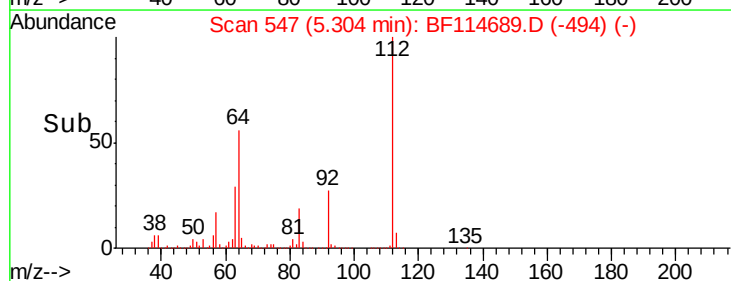
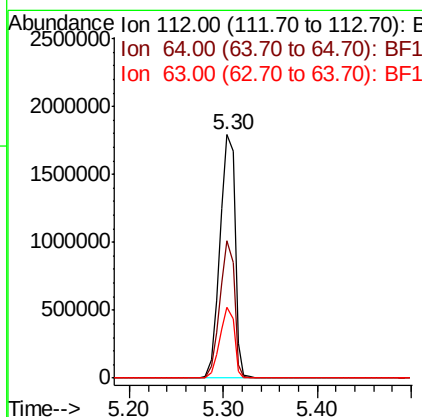
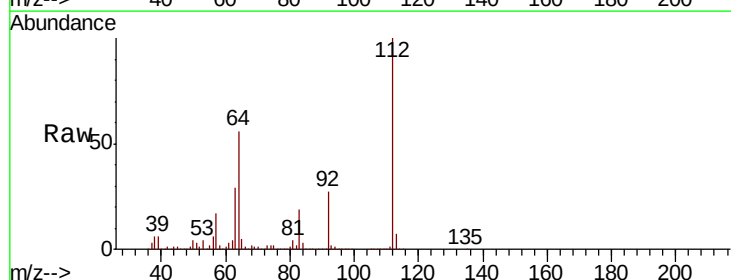
Manual Integrations
 APPROVED

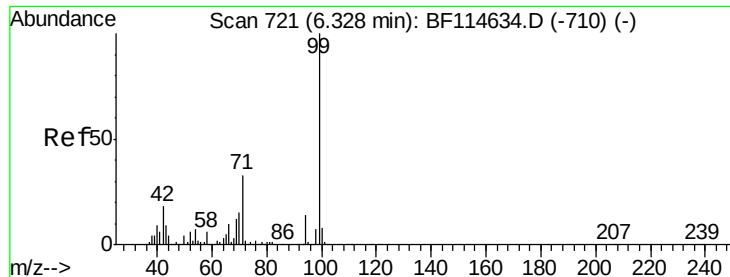
mohammad
 6/3/2019 8:48:04 AM



#5
 2-Fluorophenol
 Concen: 47.455 ng
 RT: 5.30 min Scan# 547
 Delta R.T. 0.01 min
 Lab File: BF114689.D
 Acq: 31 May 2019 4:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	46.1	69.1
63	28.9	23.4	35.2





#7

Phenol-d6

Concen: 47.728 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF114689.D

Acq: 31 May 2019 4:17

Instrument :

BNA_F

ClientSampleId :

COMP-21RX

Tot Ion: 99 Resp: 2453797

Ion Ratio Lower Upper

99 100

42 17.2 14.7 22.1

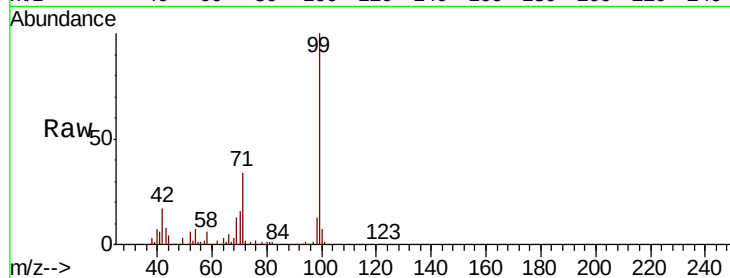
71 33.8 26.6 40.0

Manual Integrations

APPROVED

mohammad

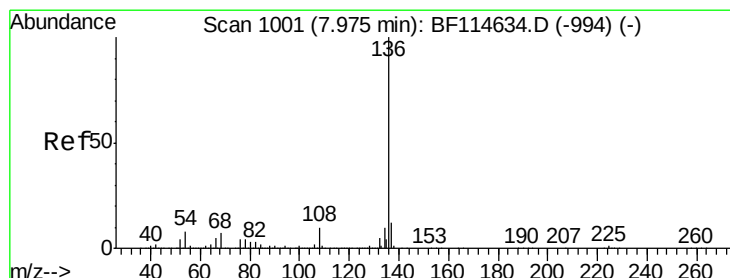
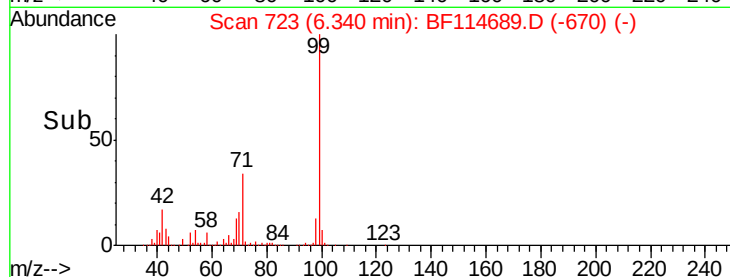
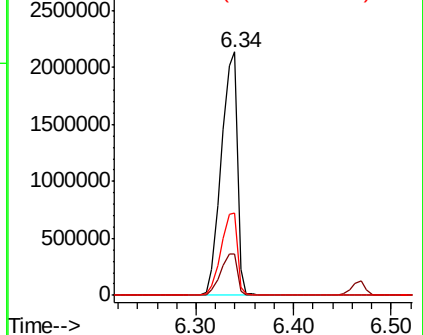
6/3/2019 8:48:04 AM



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: 7.98 min Scan# 1002

Delta R.T. 0.01 min

Lab File: BF114689.D

Acq: 31 May 2019 4:17

Tgt Ion: 136 Resp: 2560238

Ion Ratio Lower Upper

136 100

137 12.6 9.3 13.9

54 8.0 6.3 9.5

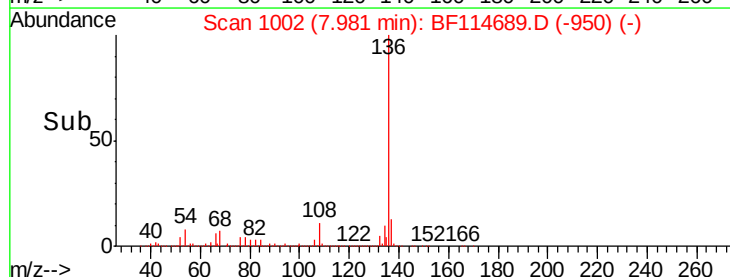
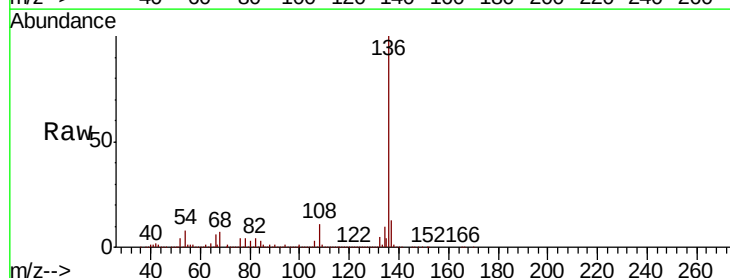
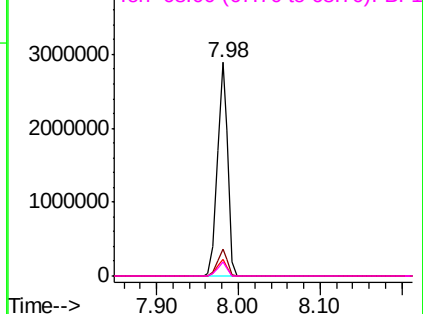
68 6.6 5.4 8.0

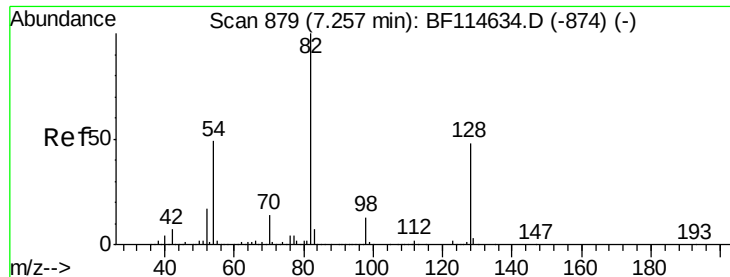
Abundance Ion 136.00 (135.70 to 136.70): E

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





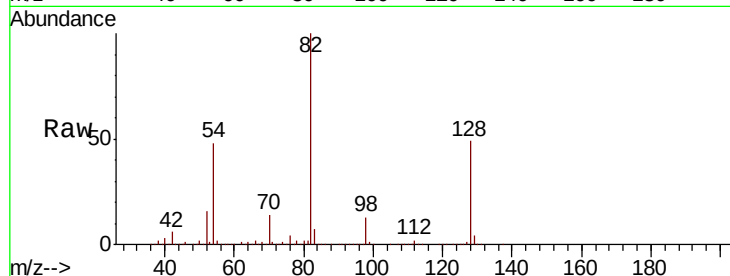
#23
Nitrobenzene-d5
Concen: 33.694 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

Instrument :
BNA_F
ClientSampleId :
COMP-21RX

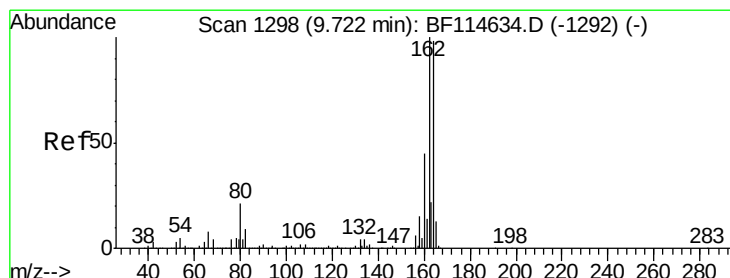
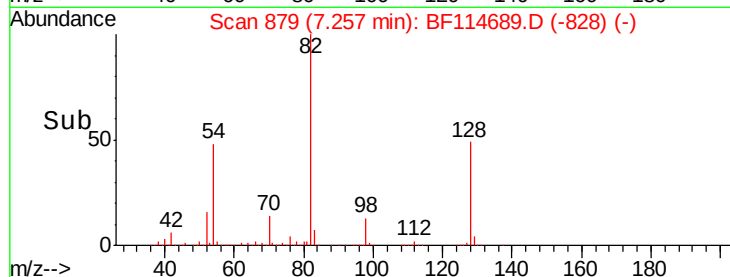
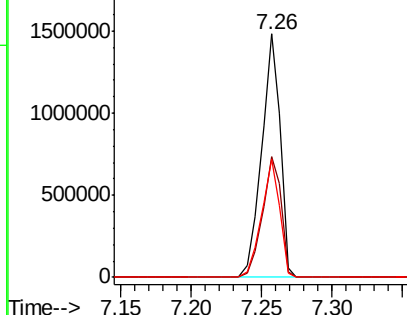
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.4	38.5	57.7
54	48.3	39.1	58.7

Manual Integrations
APPROVED

mohammad
6/3/2019 8:48:04 AM



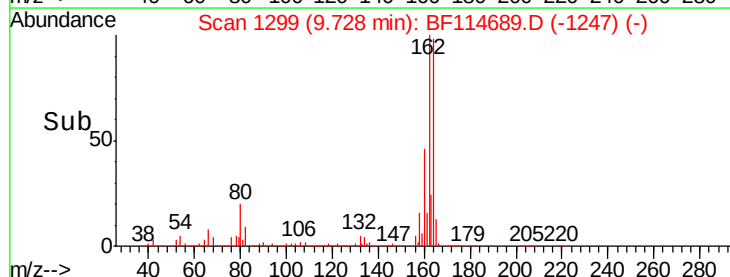
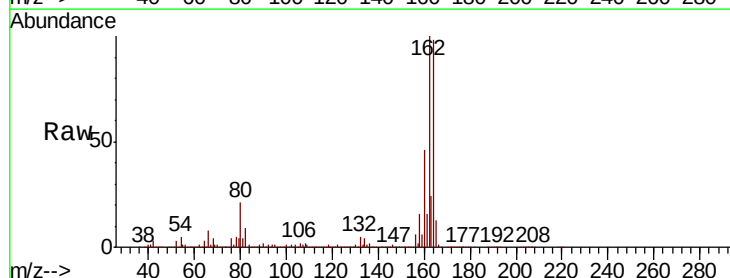
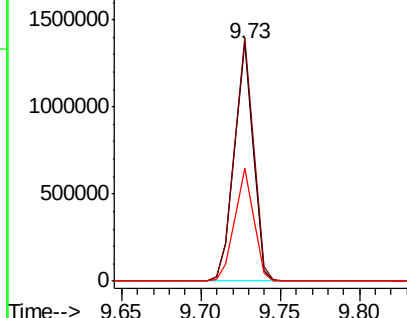
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

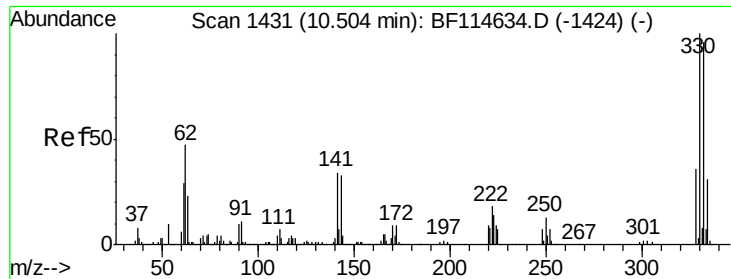


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.4	122.2
160	47.4	36.6	54.8

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





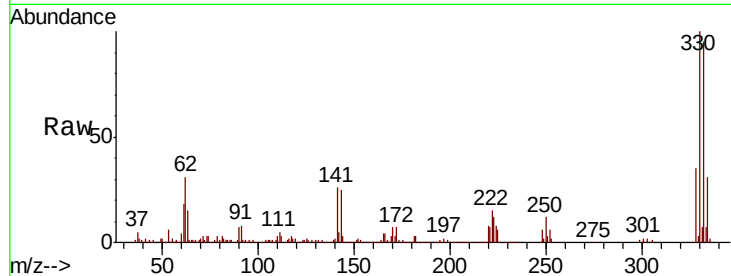
#42
 2,4,6-Tribromophenol
 Concen: 43.473 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: BF114689.D
 Acq: 31 May 2019 4:17

Instrument :
 BNA_F
 ClientSampleId :
 COMP-21RX

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	75.8	113.8
141	32.7	27.8	41.8

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:48:04 AM

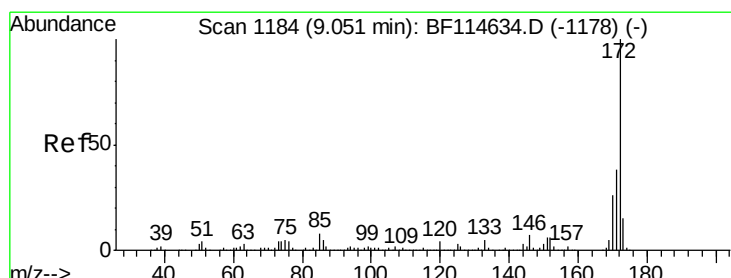
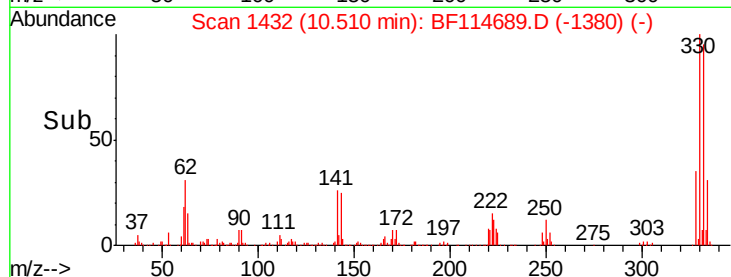
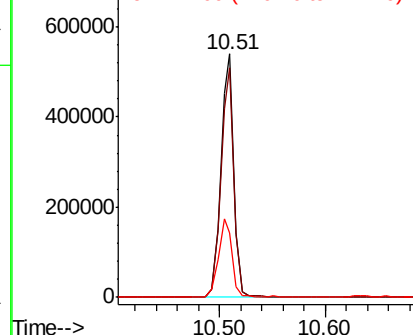


Abundance

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: 28.928 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: BF114689.D
 Acq: 31 May 2019 4:17

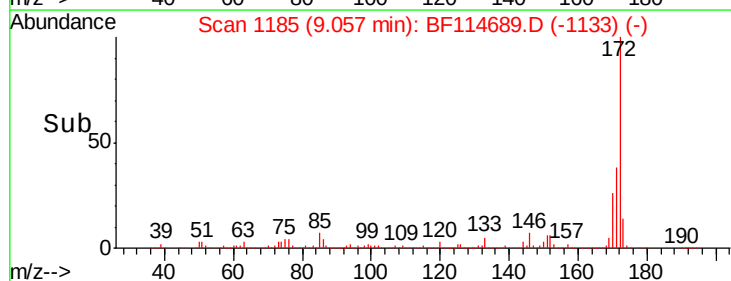
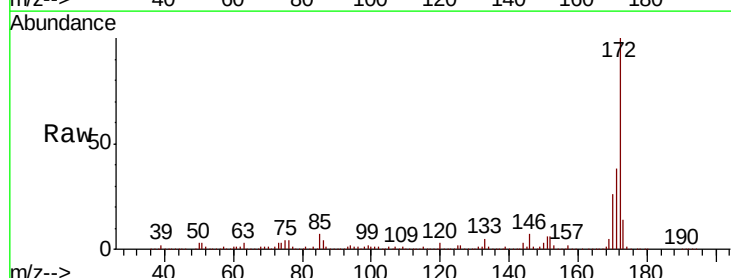
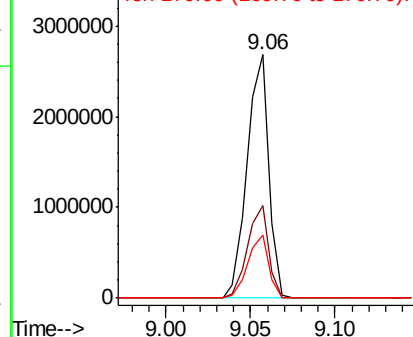
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.6	45.8
170	26.1	20.7	31.1

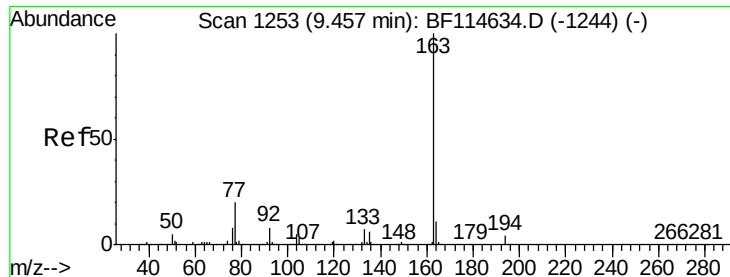
Abundance

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





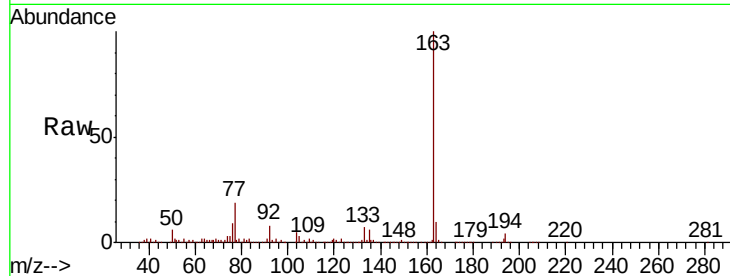
#50
Dimethylphthalate
Concen: 5.499 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

Instrument :
BNA_F
ClientSampleId :
COMP-21RX

Tot Ion	Ratio	Resp	Lower	Upper
163	100	438520		
194	4.0		3.4	5.0
164	10.1		8.6	13.0

Manual Integrations
APPROVED

mohammad
6/3/2019 8:48:04 AM

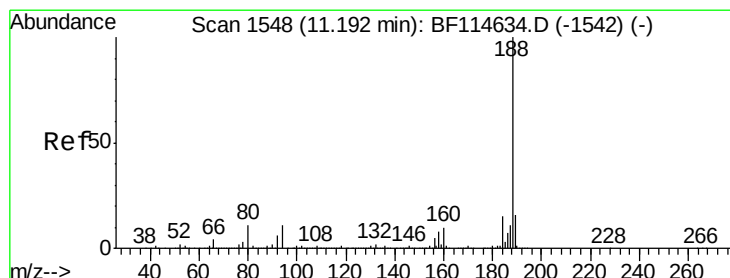
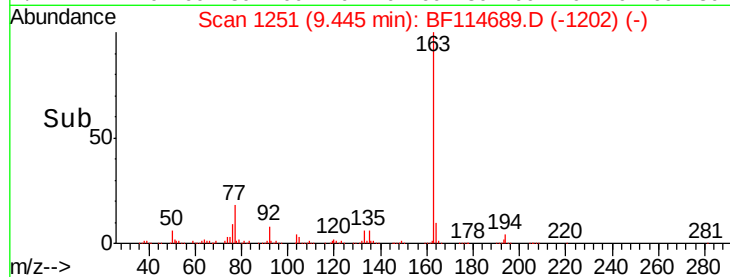
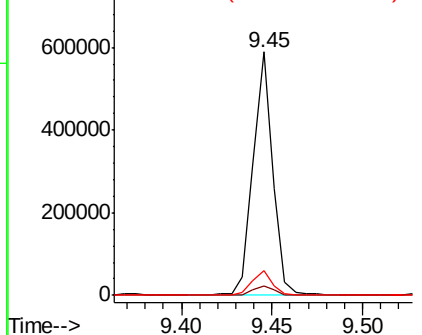


Abundance

Ion 163.00 (162.70 to 163.70): E

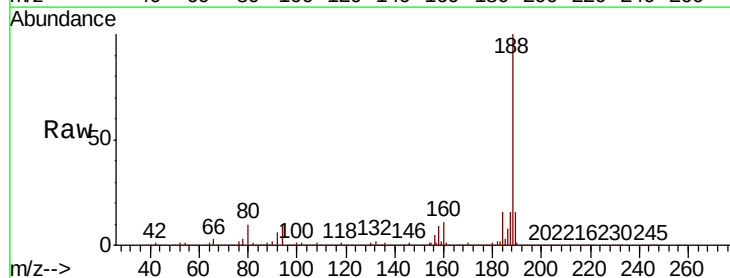
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. 0.01 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	2013312		
94	9.7		8.6	13.0
80	10.1		9.0	13.6

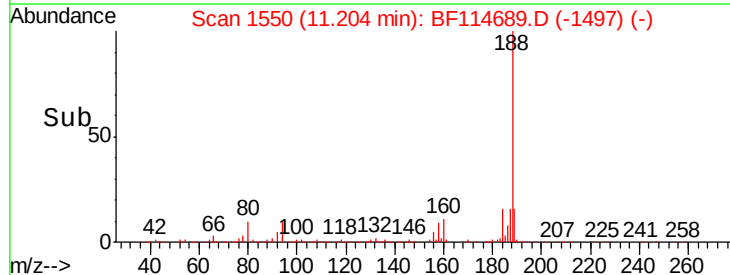
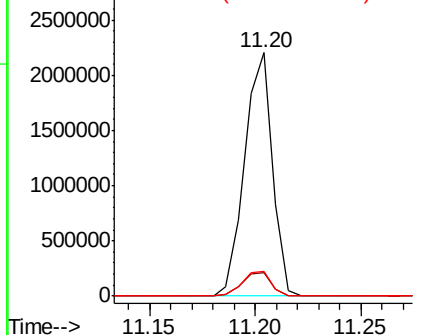


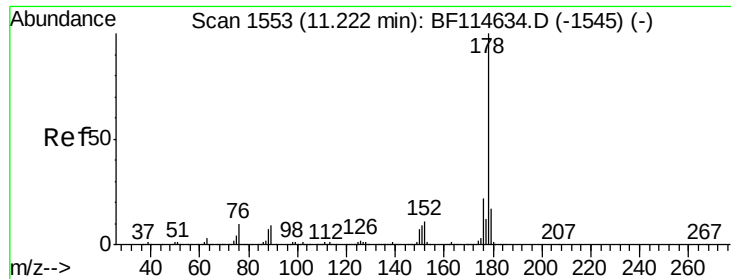
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





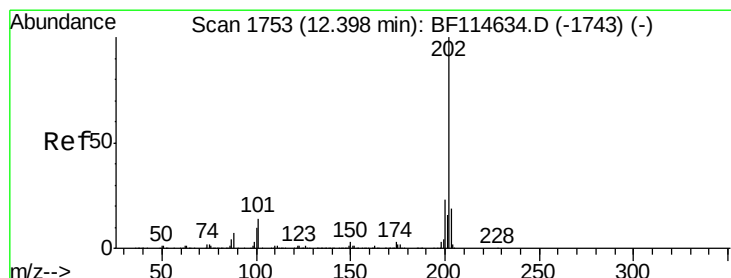
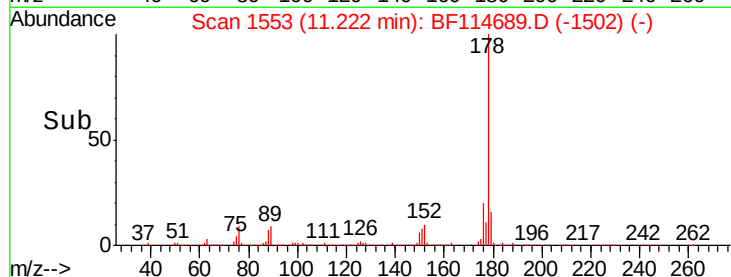
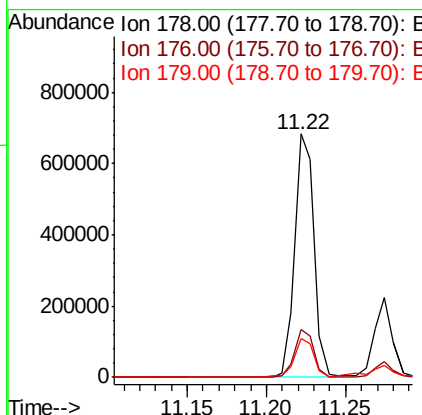
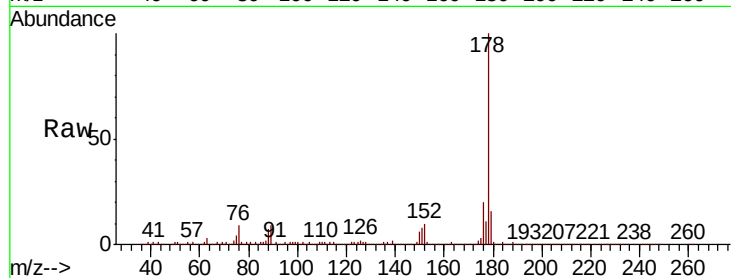
#71
Phenanthrene
Concen: 5.549 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.00 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

Instrument :
BNA_F
ClientSampled :
COMP-21RX

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	17.2	25.8
179	15.7	13.9	20.9

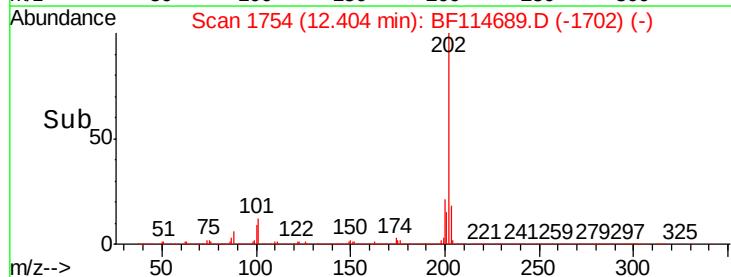
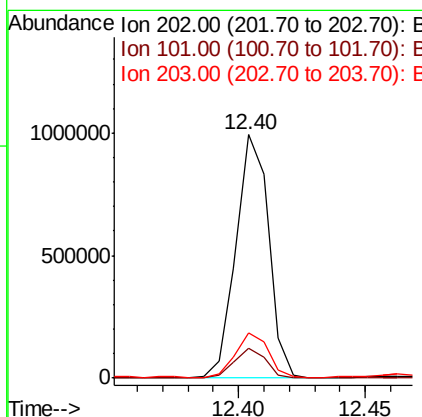
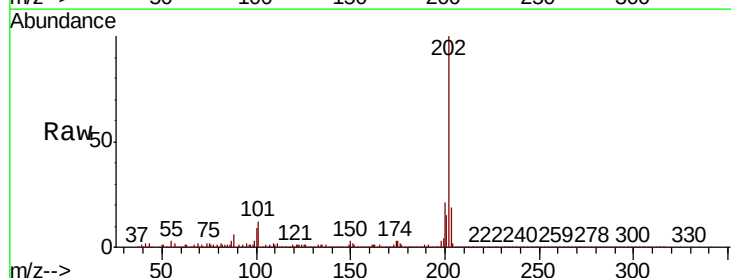
Manual Integrations
APPROVED

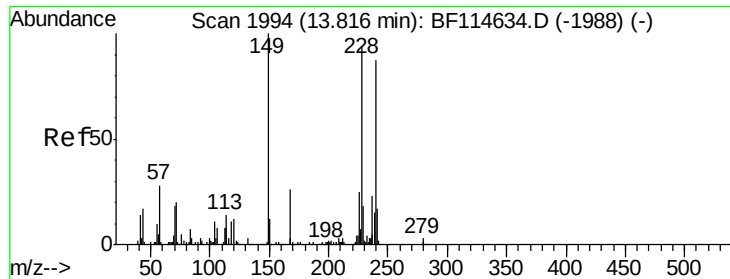
mohammad
6/3/2019 8:48:04 AM



#75
Fluoranthene
Concen: 8.327 ng
RT: 12.40 min Scan# 1754
Delta R.T. 0.01 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.9
203	18.6	0.0	39.1





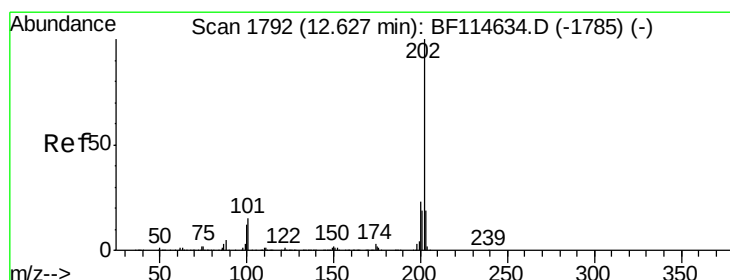
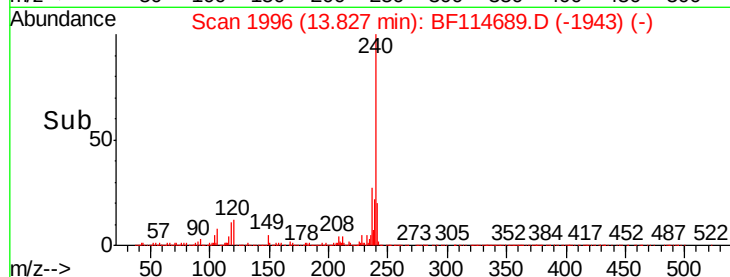
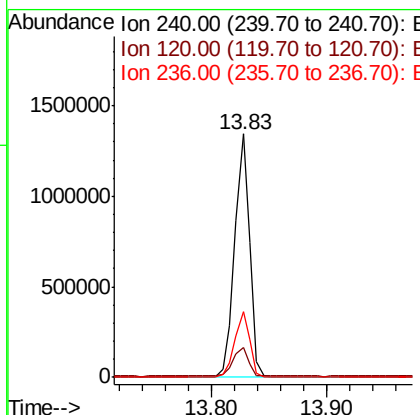
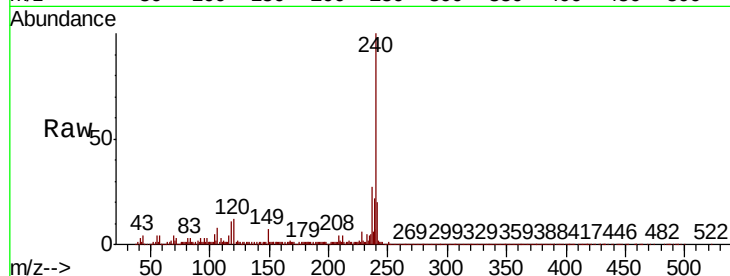
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. 0.01 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

Instrument :
BNA_F
ClientSampleId :
COMP-21RX

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	11.2	16.8
236	27.0	21.2	31.8

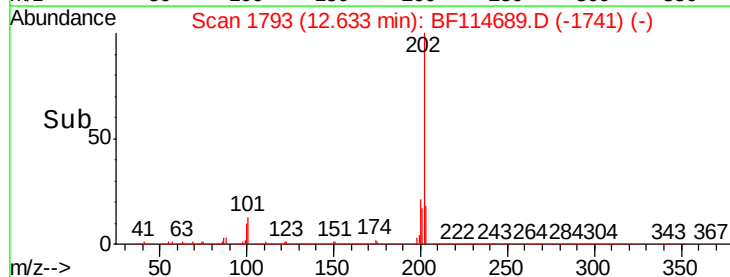
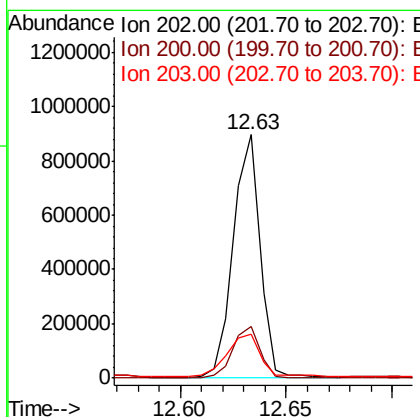
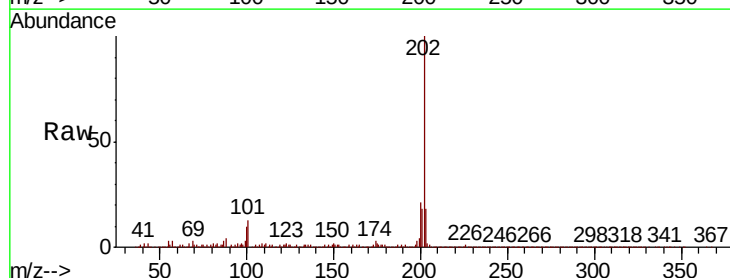
Manual Integrations
APPROVED

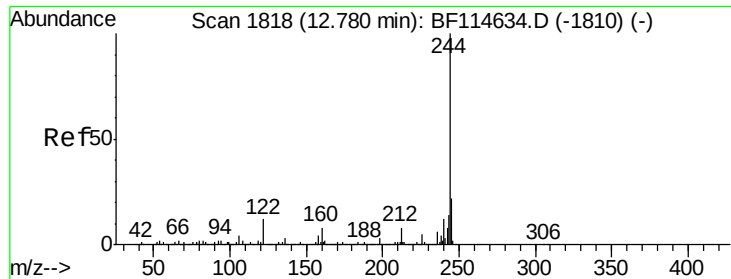
mohammad
6/3/2019 8:48:04 AM



#78
Pyrene
Concen: 7.713 ng
RT: 12.63 min Scan# 1793
Delta R.T. 0.01 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.6	28.0
203	18.2	15.4	23.2





#79

Terphenyl-d14

Concen: 35.161 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF114689.D

Acq: 31 May 2019 4:17

Instrument :

BNA_F

ClientSampleId :

COMP-21RX

Tot Ion:244 Resp: 2233303

Ion Ratio Lower Upper

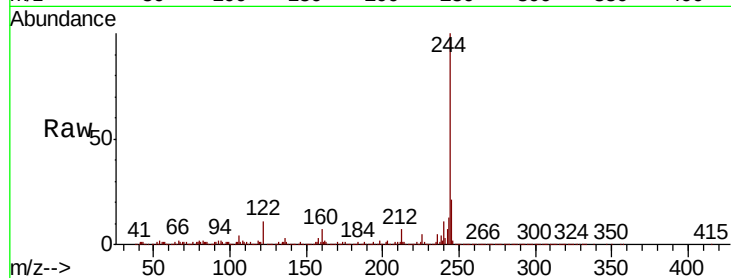
244 100

212 7.1 6.1 9.1

122 11.2 9.8 14.8

Manual Integrations
APPROVED

mohammad
6/3/2019 8:48:04 AM

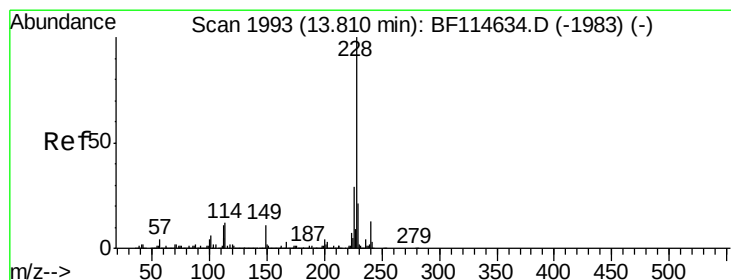
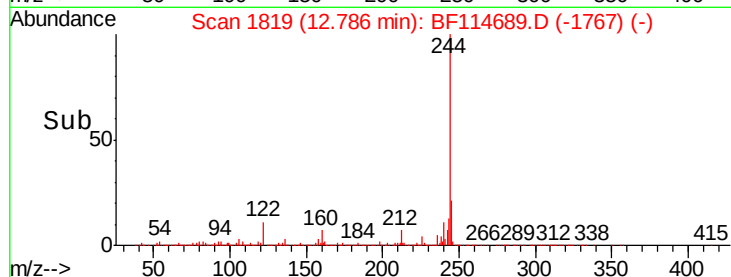
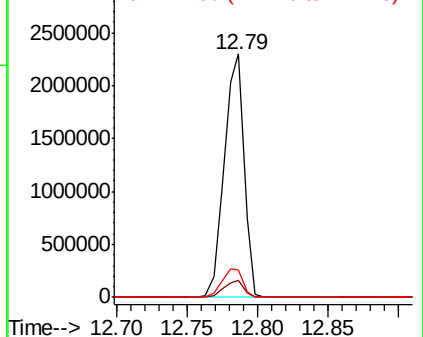


Abundance

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: 3.883 ng

RT: 13.82 min Scan# 1994

Delta R.T. 0.01 min

Lab File: BF114689.D

Acq: 31 May 2019 4:17

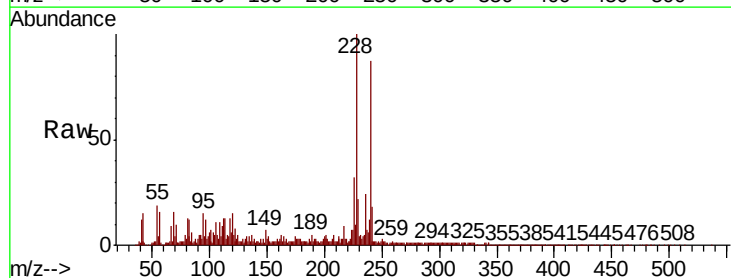
Tgt Ion:228 Resp: 356368

Ion Ratio Lower Upper

228 100

226 31.5 23.0 34.6

229 22.5 17.0 25.4

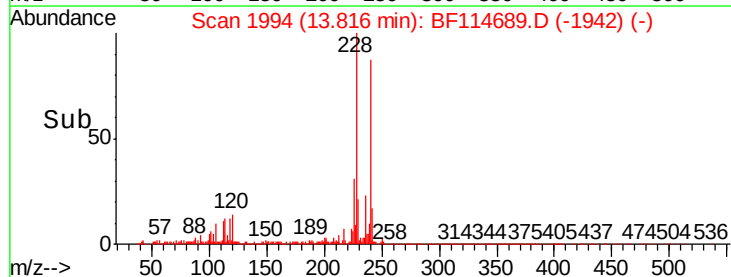
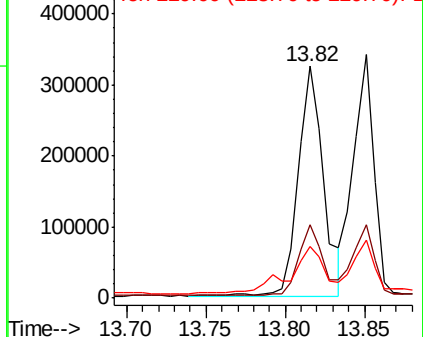


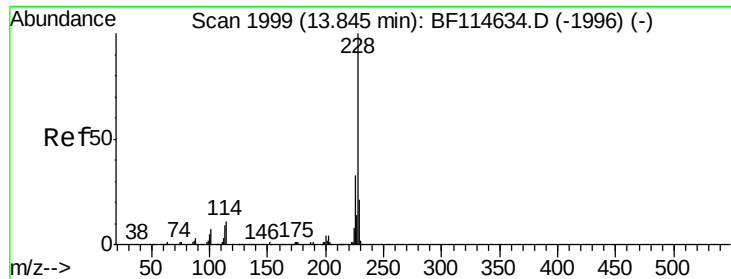
Abundance

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





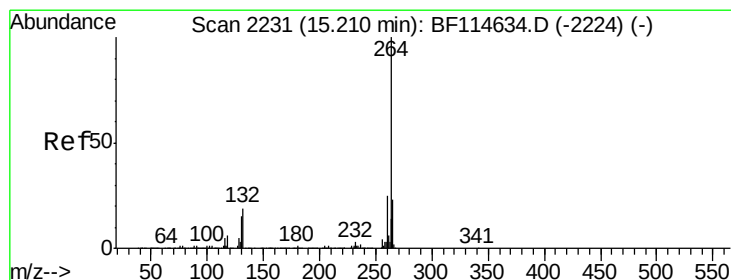
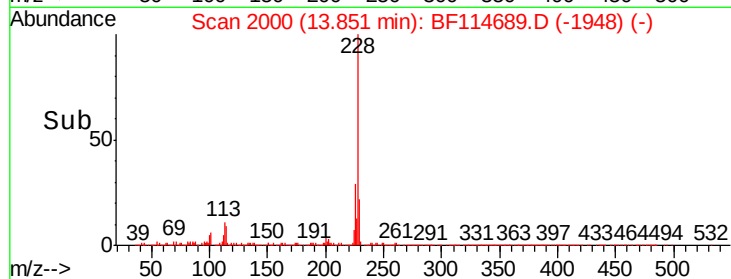
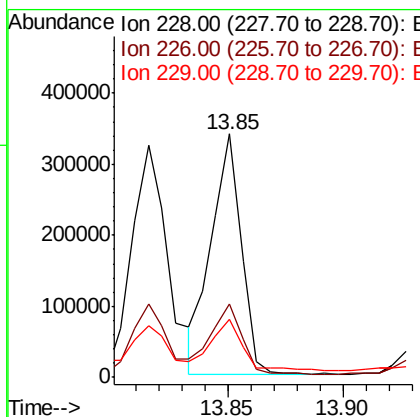
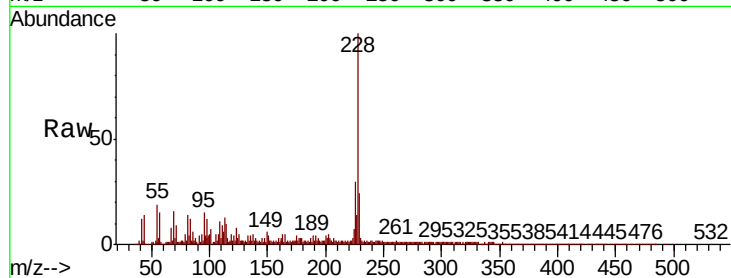
#83
Chrysene
Concen: 3.480 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

Instrument :
BNA_F
ClientSampleId :
COMP-21RX

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	26.4	39.6
229	23.8	17.1	25.7

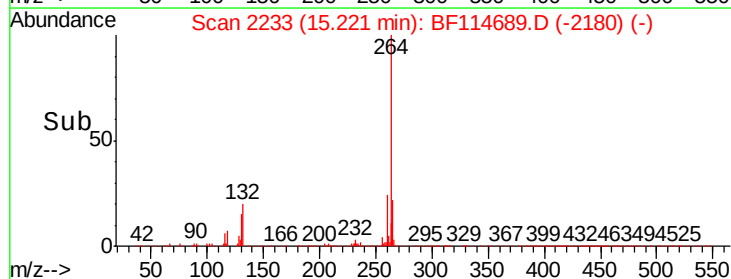
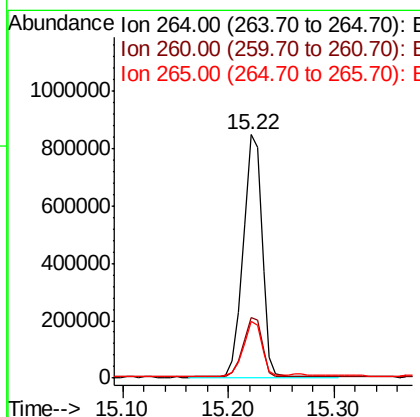
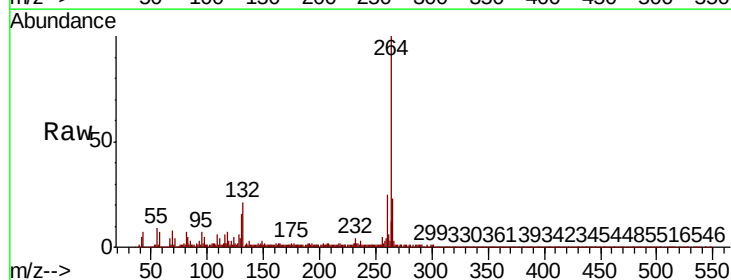
Manual Integrations
APPROVED

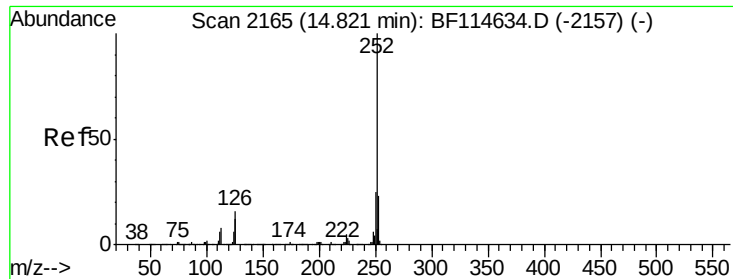
mohammad
6/3/2019 8:48:04 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	23.1	18.1	27.1





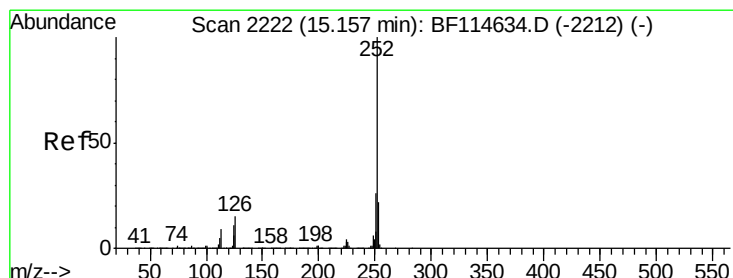
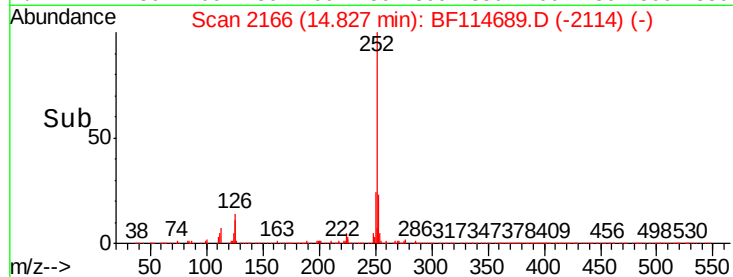
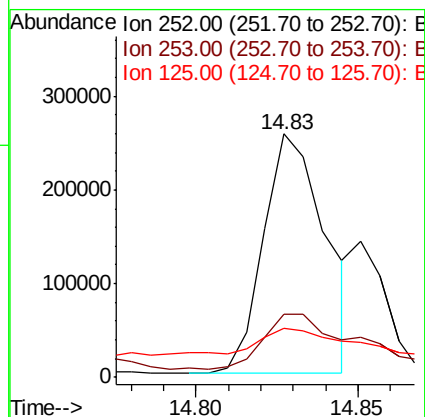
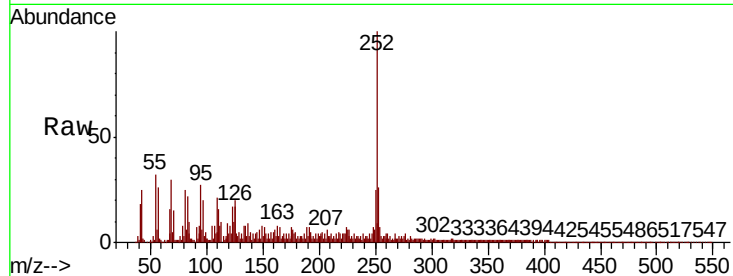
#88
Benzo(b)fluoranthene
Concen: 5.178 ng m
RT: 14.83 min Scan# 2166
Delta R.T. 0.01 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

Instrument :
BNA_F
ClientSampleId :
COMP-21RX

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.7	28.1
125	20.2	9.4	14.2

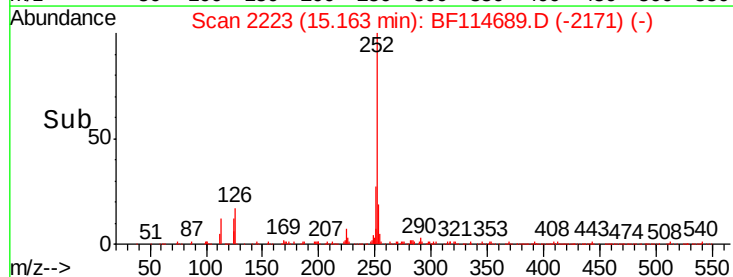
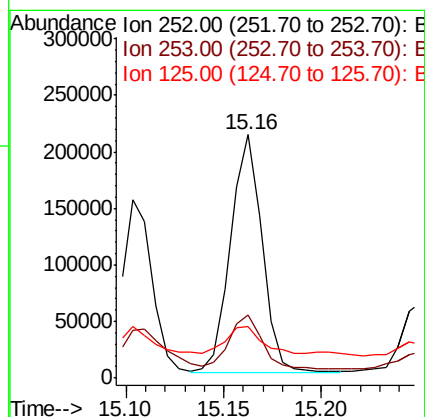
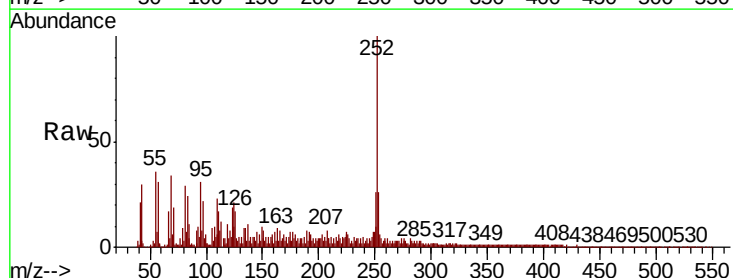
Manual Integrations
APPROVED

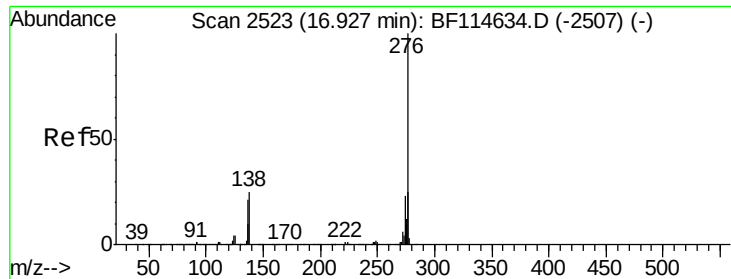
mohammad
6/3/2019 8:48:04 AM



#90
Benzo(a)pyrene
Concen: 4.102 ng
RT: 15.16 min Scan# 2223
Delta R.T. 0.01 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.0	27.0
125	21.2	9.2	13.8





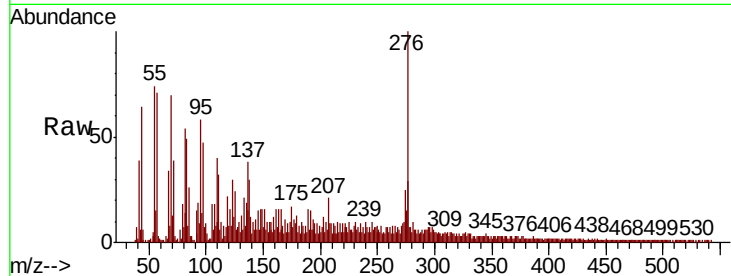
#92
 Benzo(a,h,i)perylene
 Concen: 2.795 ng
 RT: 16.95 min Scan# 2527
 Delta R.T. 0.02 min
 Lab File: BF114689.D
 Acq: 31 May 2019 4:17

Instrument :
 BNA_F
 ClientSampleId :
 COMP-21RX

Tot Ion:	276	Resp:	138208
Ion Ratio	Lower	Upper	
276	100		
277	28.8	19.7	29.5
138	29.6	19.8	29.8

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:48:04 AM



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

