

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071719\
 Data File : BF115638.D
 Acq On : 17 Jul 2019 22:33
 Operator : HP/JU
 Sample : K3840-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-005-A

Manual Integrations
 APPROVED

mohammad
 7/19/2019 2:26:13 PM

Quant Time: Jul 18 06:47:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	173408	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	649167	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	265932	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	441485	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	337254	20.00	ng	-0.02
87) Perylene-d12	15.51	264	266927	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	358229	33.79	ng	0.00
7) Phenol-d6	6.50	99	583990	43.41	ng	-0.01
23) Nitrobenzene-d5	7.44	82	356252	31.91	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	45806	14.76	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	608084	40.02	ng	-0.02
79) Terphenyl-d14	12.98	244	534659	29.25	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.62	163	101197	5.058	ng	Qvalue 100
71) Phenanthrene	11.42	178	162770	7.193	ng	97
75) Fluoranthene	12.61	202	279126	11.672	ng	100
78) Pyrene	12.84	202	263693	9.229	ng	96
81) Benzo(a)anthracene	14.02	228	115923	5.217	ng	97
83) Chrysene	14.06	228	119192m	5.344	ng	
88) Benzo(b)fluoranthene	15.07	252	97158m	5.653	ng	
90) Benzo(a)pyrene	15.44	252	64088	4.338	ng	# 70
92) Benzo(g,h,i)perylene	17.43	276	32534	2.515	ng	# 80

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

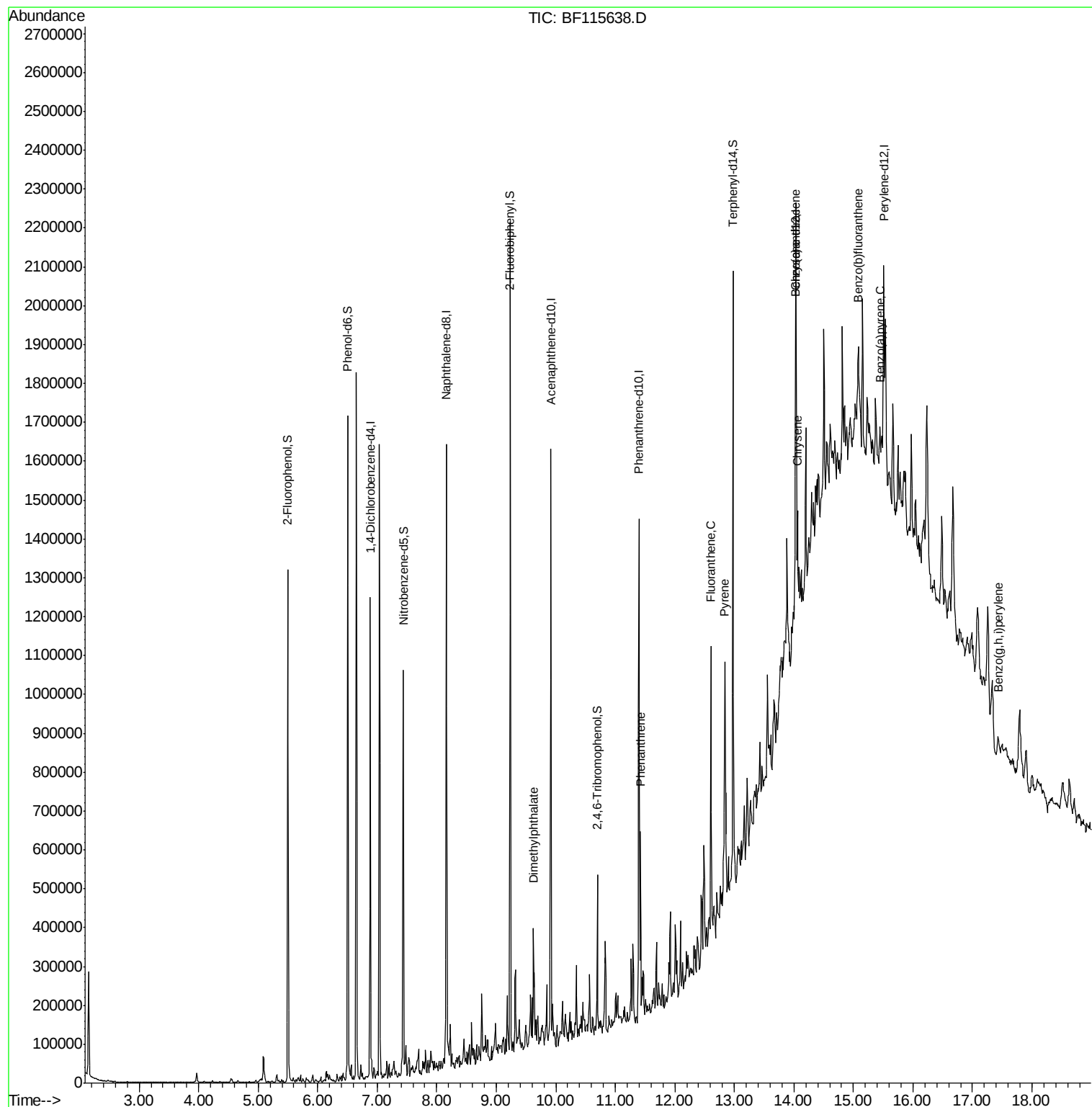
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071719\
Data File : BF115638.D
Acq On : 17 Jul 2019 22:33
Operator : HP/JU
Sample : K3840-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-005-A

Manual Integrations
APPROVED

mohammad
7/19/2019 2:26:13 PM

Quant Time: Jul 18 06:47:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration





#1

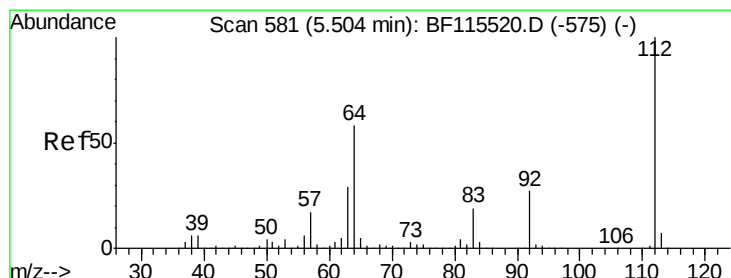
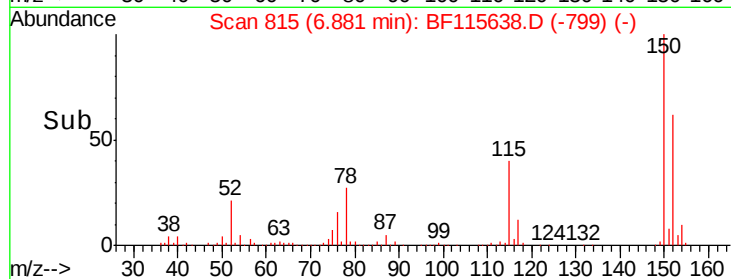
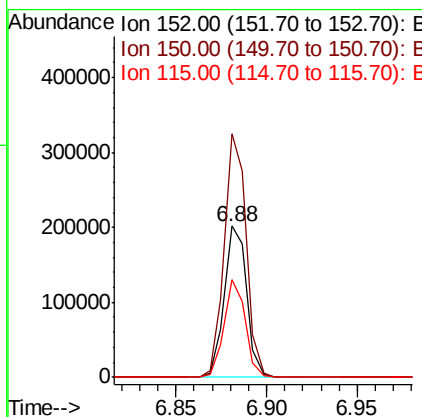
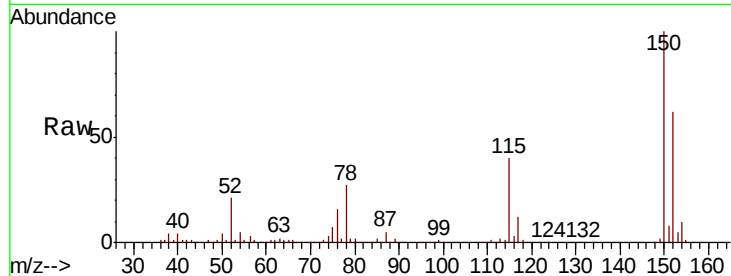
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-005-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.0	129.7	194.5
115	64.3	48.2	72.4

Manual Integrations
APPROVED

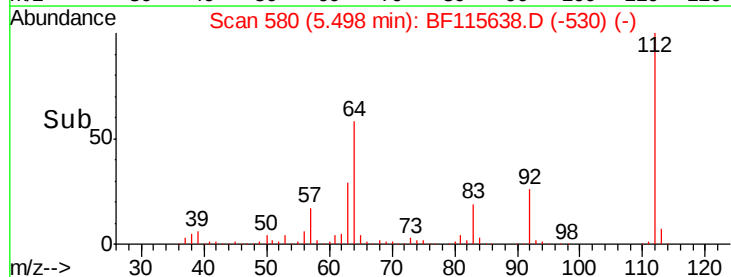
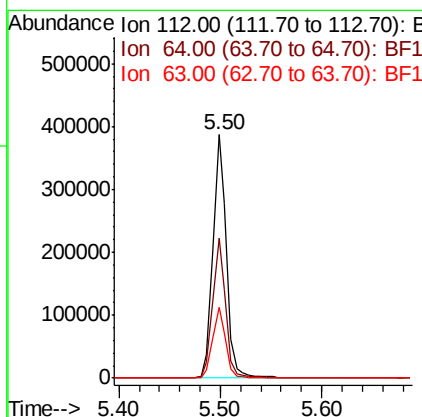
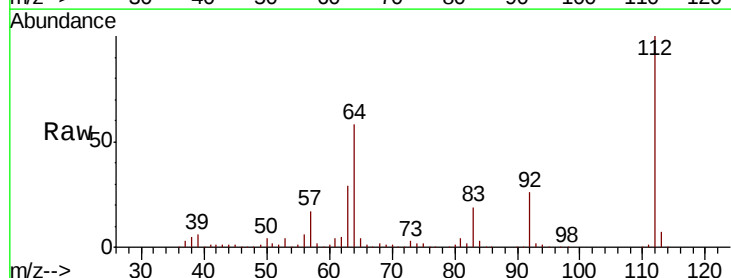
mohammad
7/19/2019 2:26:13 PM

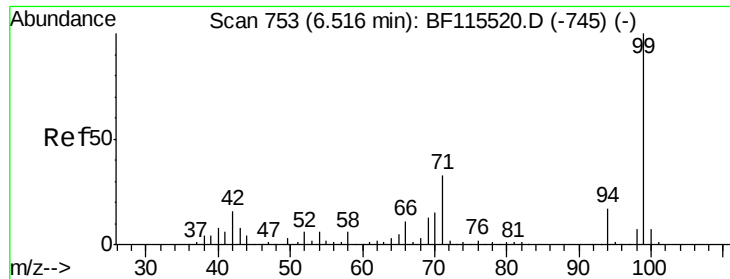


#5

2-Fluorophenol
Concen: 33.791 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	46.8	70.2
63	29.2	24.1	36.1





#7

Phenol-d6

Concen: 43.413 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115638.D

Acq: 17 Jul 2019 22:33

Instrument :

BNA_F

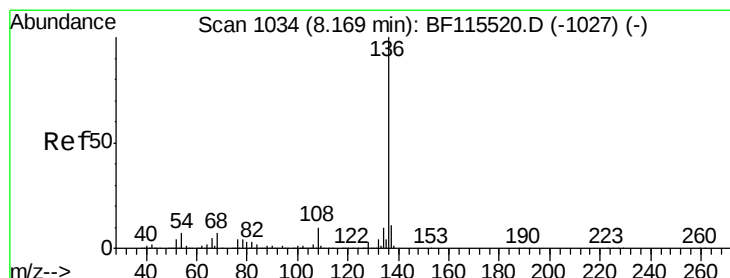
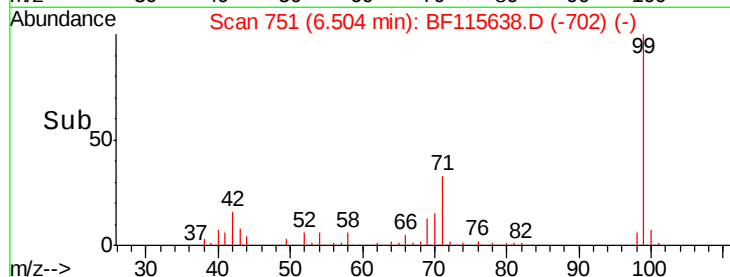
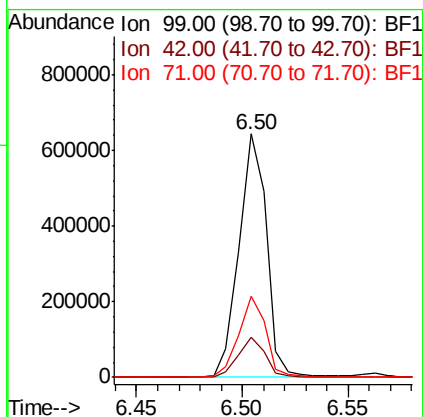
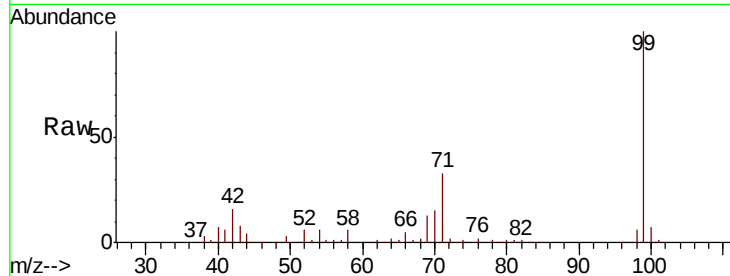
ClientSampleId :

FK-SF-02-005-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		583990		
42	16.3	13.6	20.4		
71	33.4	28.5	42.7		

Manual Integrations
APPROVED

mohammad
7/19/2019 2:26:13 PM



#21

Naphthalene-d8

Concen: 20.000 ng

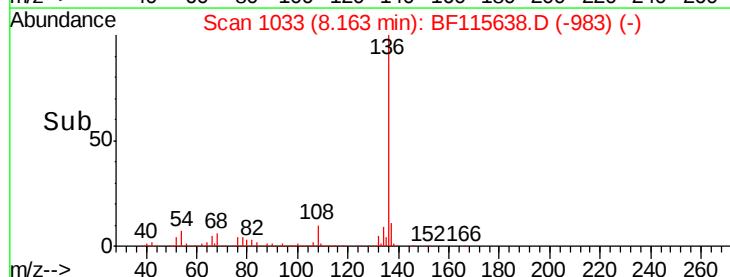
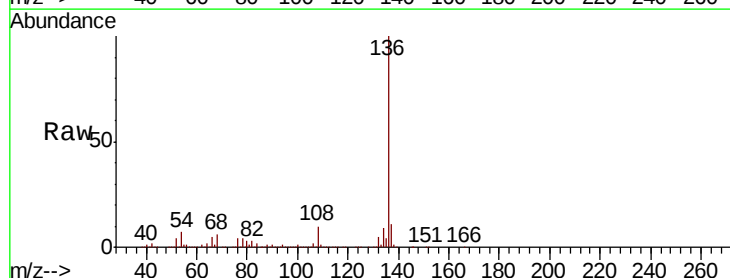
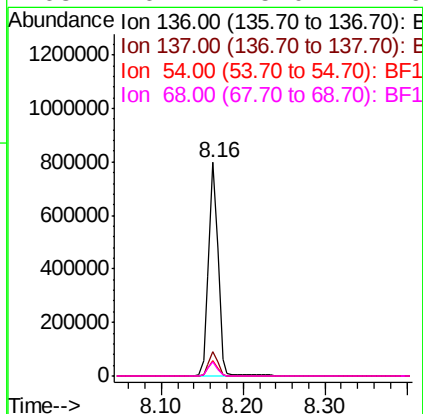
RT: 8.16 min Scan# 1033

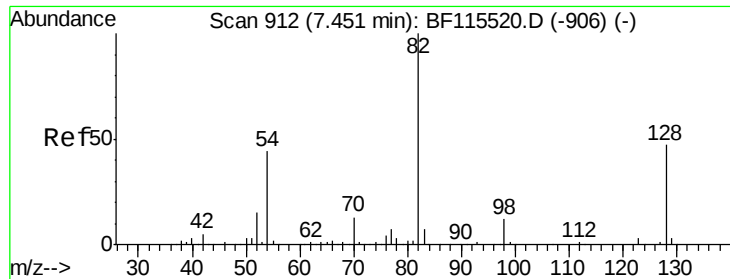
Delta R.T. -0.01 min

Lab File: BF115638.D

Acq: 17 Jul 2019 22:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		649167		
137	11.4	9.0	13.4		
54	7.2	5.6	8.4		
68	6.4	5.0	7.6		





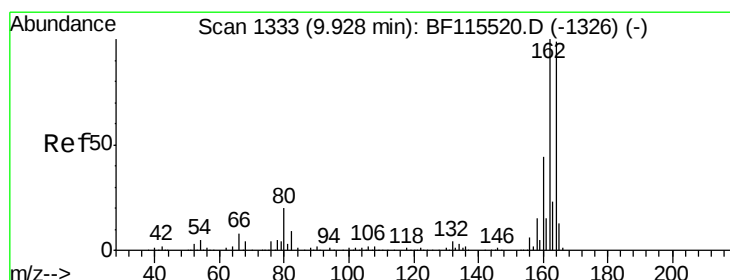
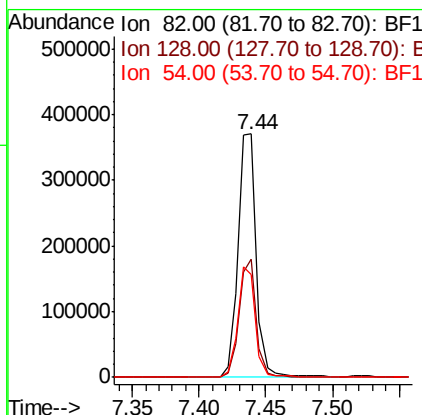
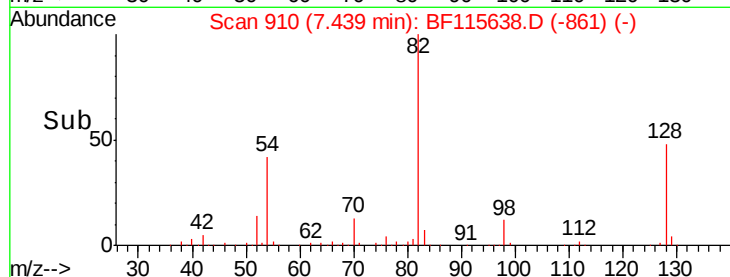
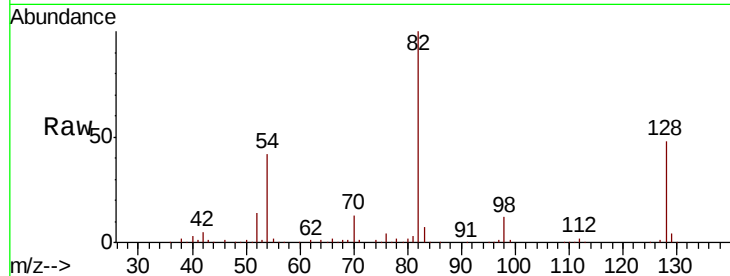
#23
Nitrobenzene-d5
Concen: 31.910 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-005-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.4	38.6	57.8
54	42.4	35.6	53.4

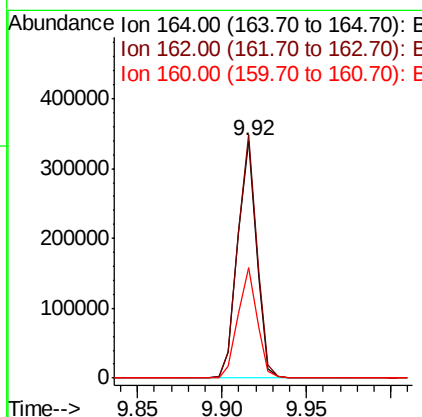
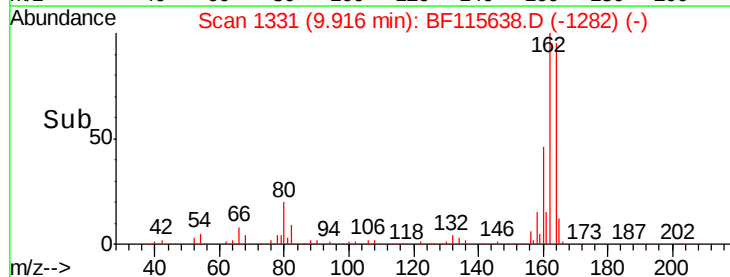
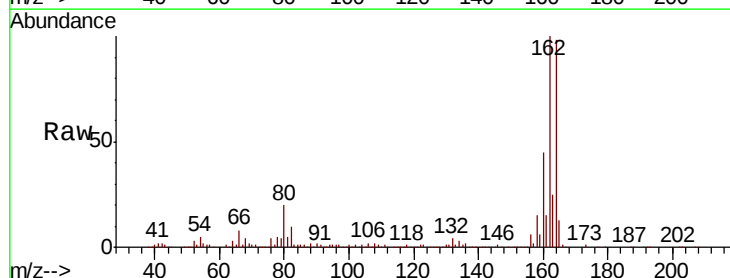
Manual Integrations
APPROVED

mohammad
7/19/2019 2:26:13 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.9	124.3
160	46.5	36.8	55.2





#42

2,4,6-Tribromophenol

Concen: 14.757 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.02 min

Lab File: BF115638.D

Acq: 17 Jul 2019 22:33

Instrument :

BNA_F

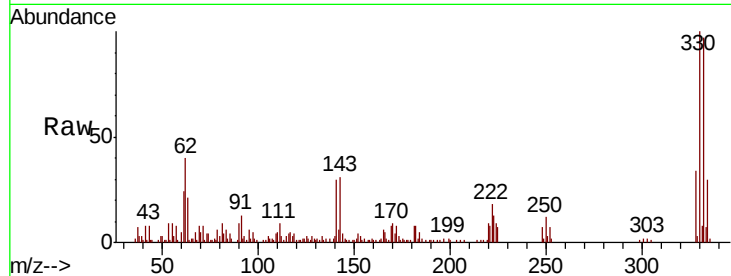
ClientSampleId :

FK-SF-02-005-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.4	116.2
141	33.8	22.4	33.6

Manual Integrations
APPROVED

mohammad
7/19/2019 2:26:13 PM

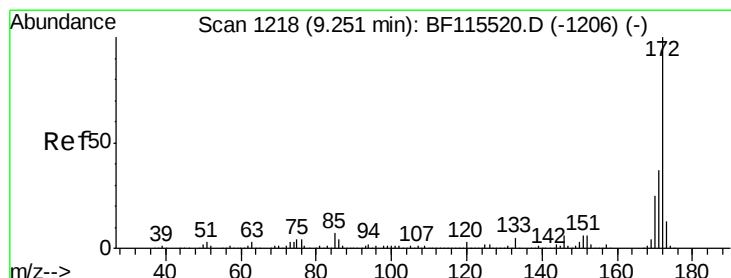
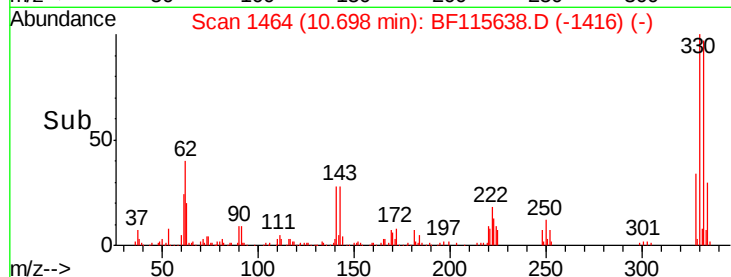
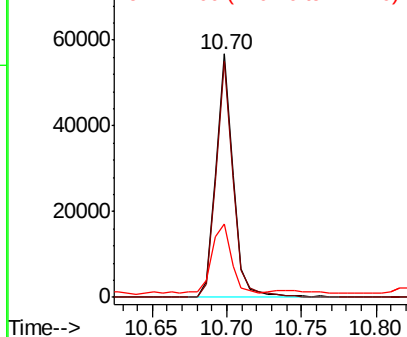


Abundance

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: 40.022 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.02 min

Lab File: BF115638.D

Acq: 17 Jul 2019 22:33

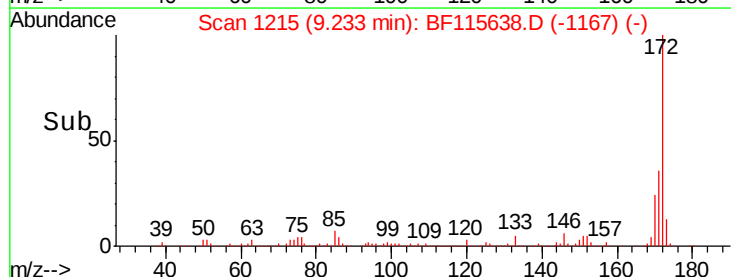
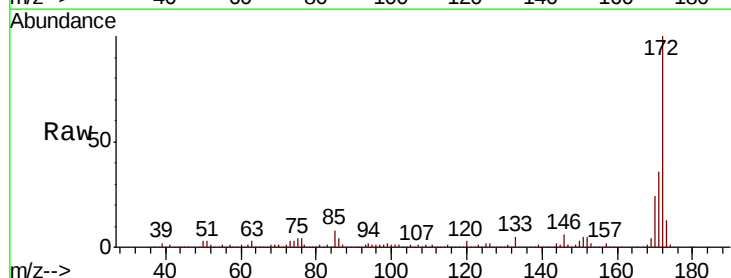
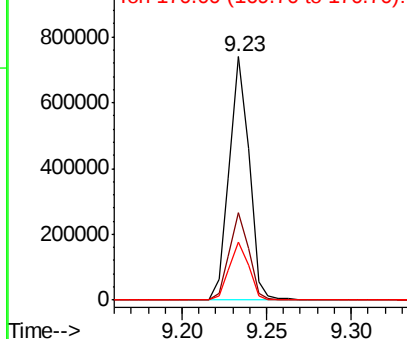
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	30.6	46.0
170	23.8	20.5	30.7

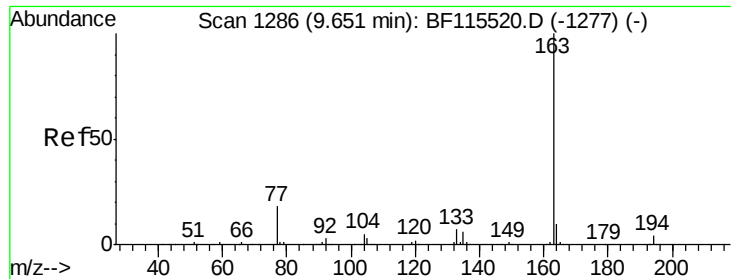
Abundance

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





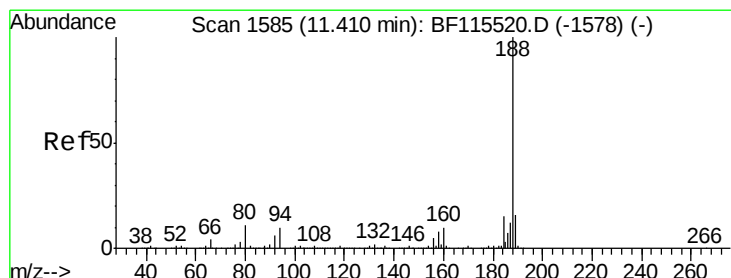
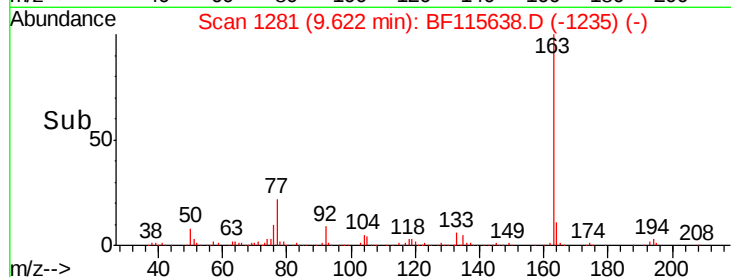
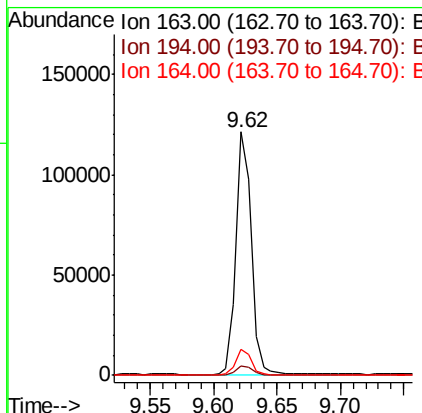
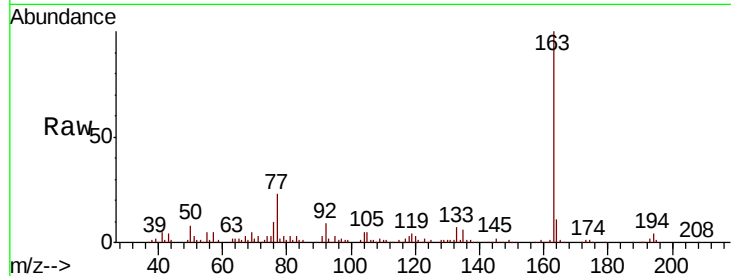
#50
Dimethylphthalate
Concen: 5.058 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-005-A

Tot Ion	Ratio	Resp	Lower	Upper
163	100	101197		
194	3.9	3.3	4.9	
164	10.8	8.7	13.1	

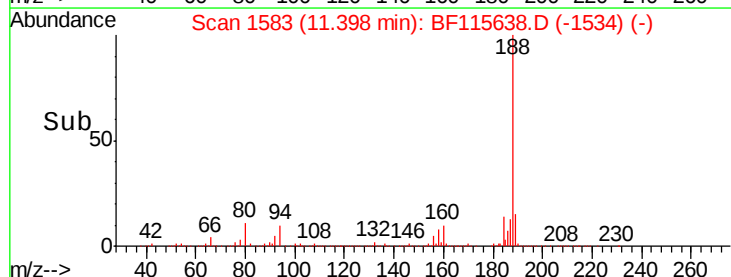
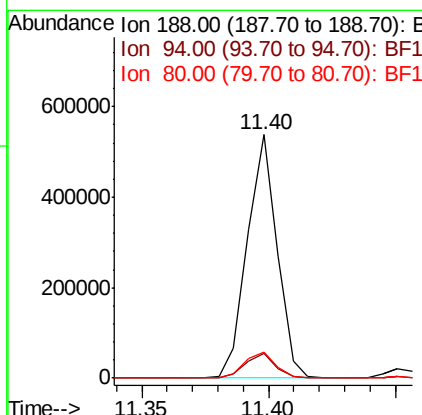
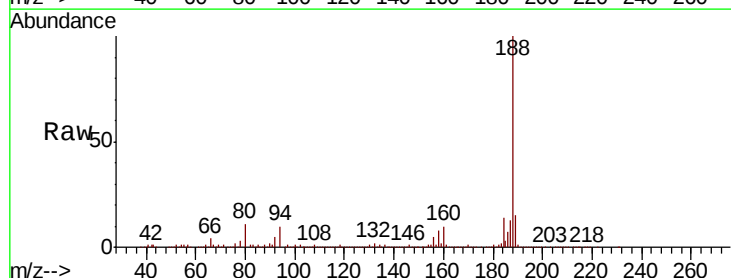
Manual Integrations
APPROVED

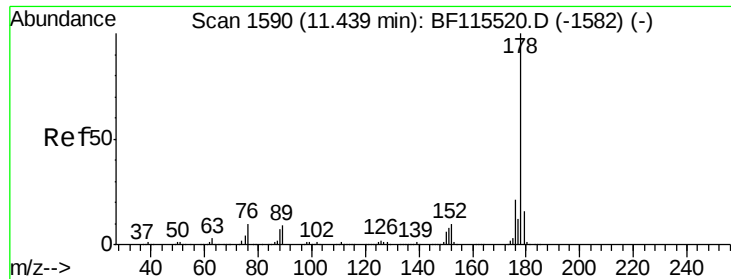
mohammad
7/19/2019 2:26:13 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	441485		
94	10.0	7.8	11.6	
80	10.7	8.6	13.0	





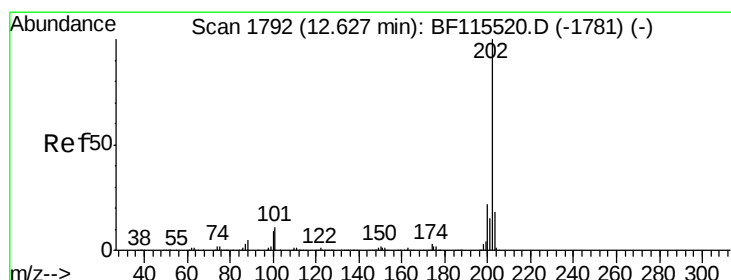
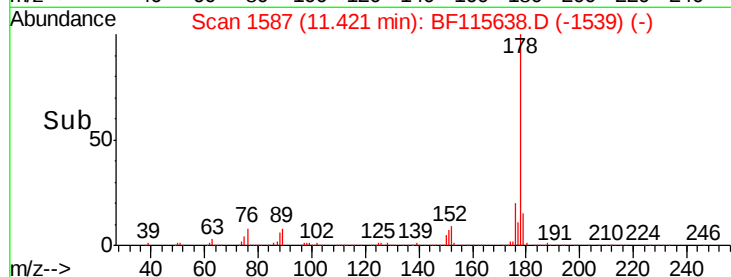
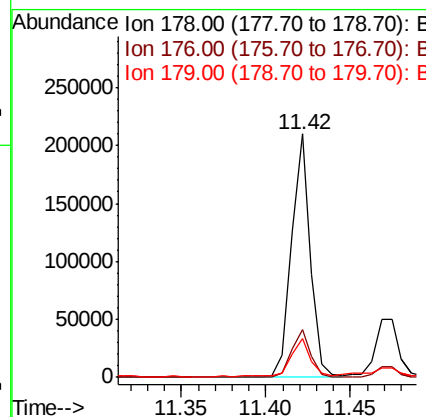
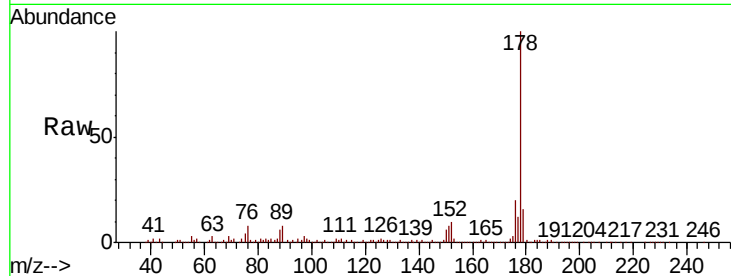
#71
Phenanthrene
Concen: 7.193 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.02 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-005-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	17.2	25.8
179	16.0	13.5	20.3

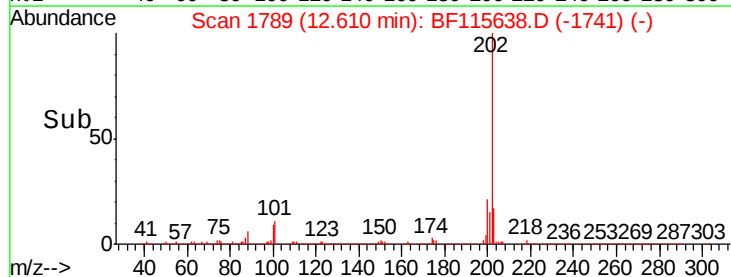
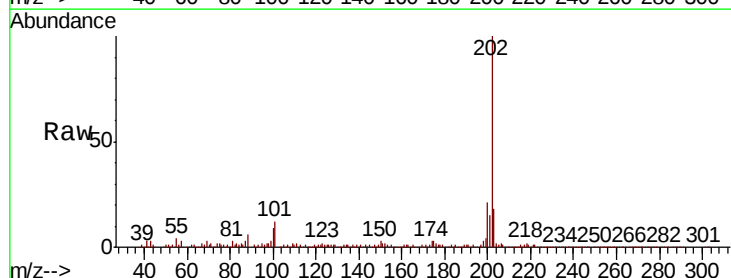
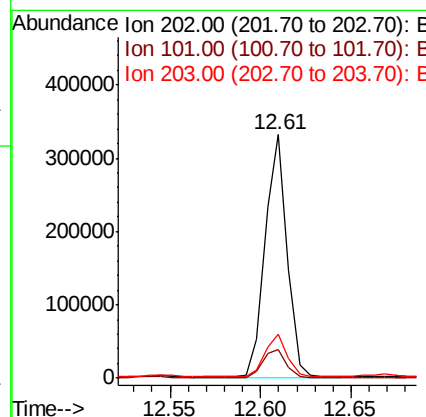
Manual Integrations
APPROVED

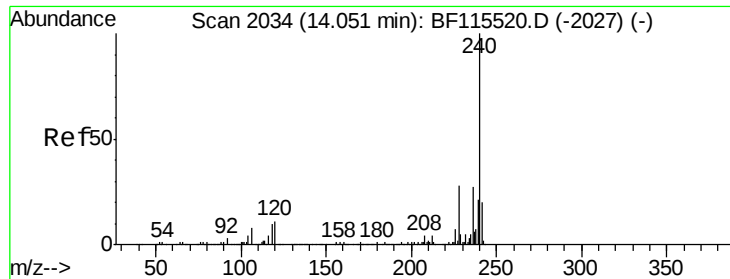
mohammad
7/19/2019 2:26:13 PM



#75
Fluoranthene
Concen: 11.672 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.02 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.4
203	17.9	0.0	38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.02 min

Lab File: BF115638.D

Acq: 17 Jul 2019 22:33

Instrument :

BNA_F

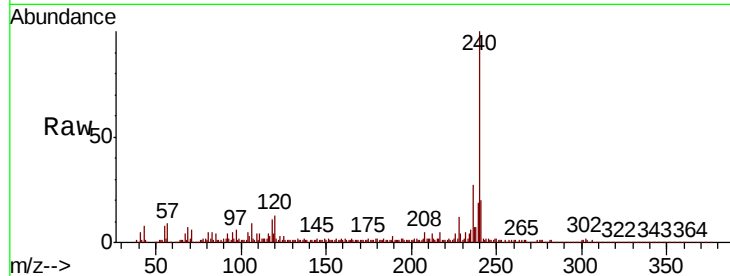
ClientSampleId :

FK-SF-02-005-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.1	8.6	13.0#
236	26.7	21.3	31.9

Manual Integrations
APPROVED

mohammad
7/19/2019 2:26:13 PM

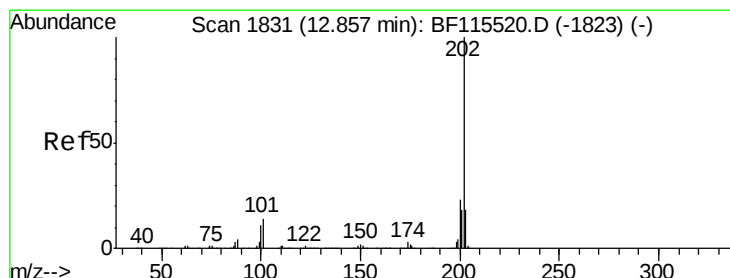
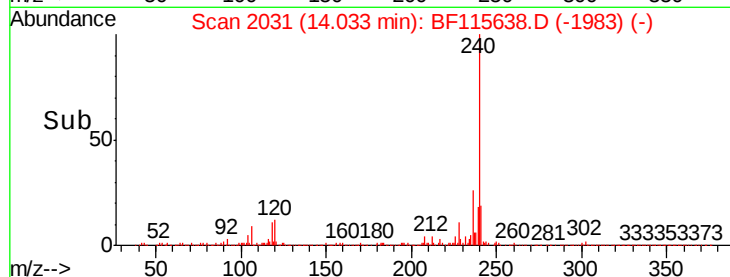
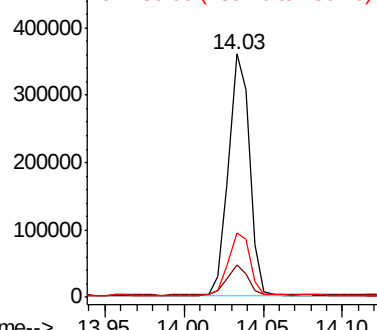


Abundance

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: 9.229 ng

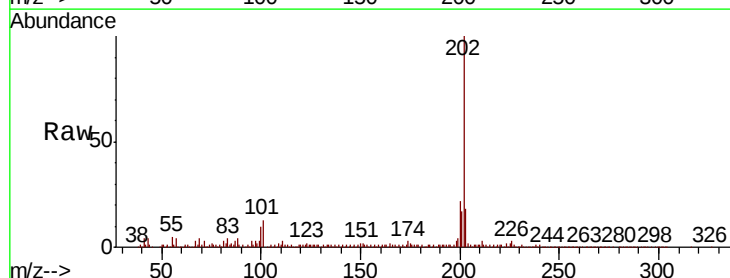
RT: 12.84 min Scan# 1828

Delta R.T. -0.02 min

Lab File: BF115638.D

Acq: 17 Jul 2019 22:33

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.7	28.1
203	17.5	15.2	22.8

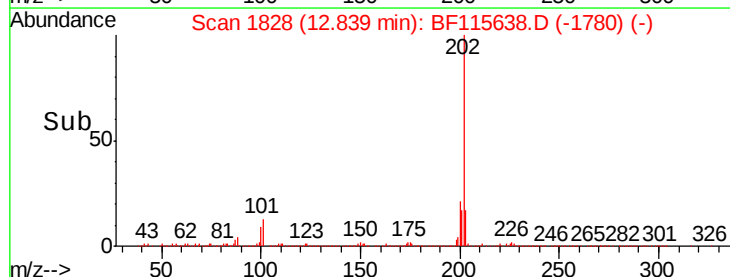
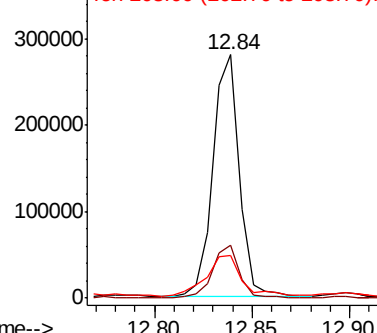


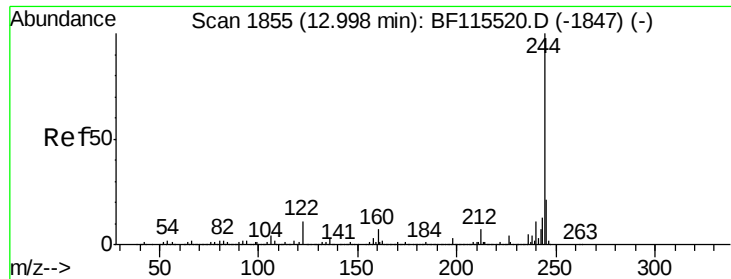
Abundance

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: 29.252 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.02 min

Lab File: BF115638.D

Acq: 17 Jul 2019 22:33

Instrument :

BNA_F

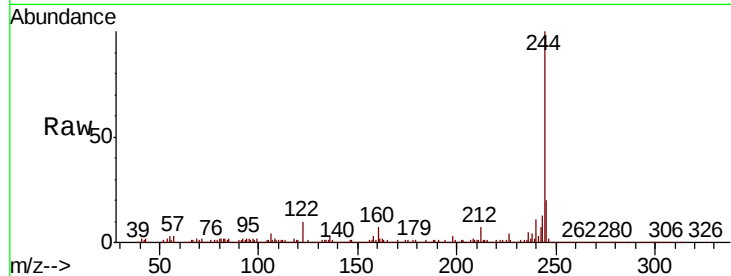
ClientSampleId :

FK-SF-02-005-A

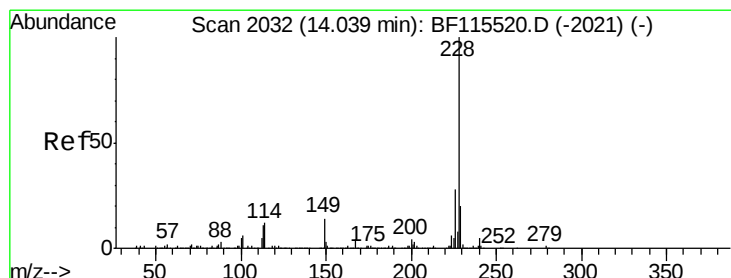
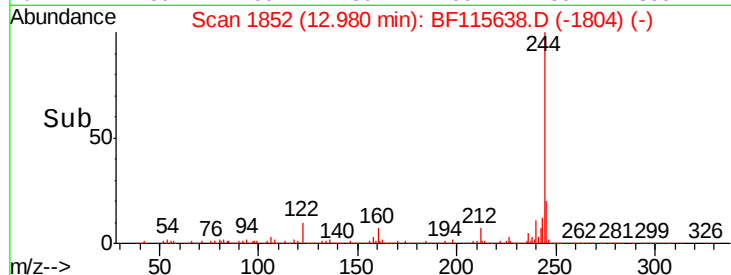
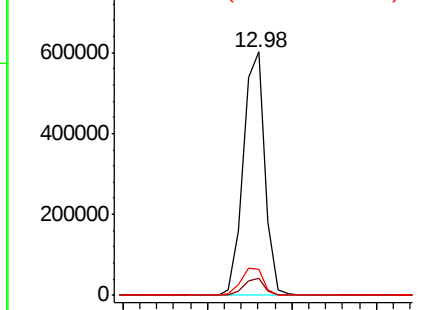
Tot Ion:	244	Resp:	534659
Ion Ratio		Lower	Upper
244	100		
212	6.8	6.0	9.0
122	10.5	8.6	12.8

Manual Integrations
APPROVED

mohammad
7/19/2019 2:26:13 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



#81

Benzo(a)anthracene

Concen: 5.217 ng

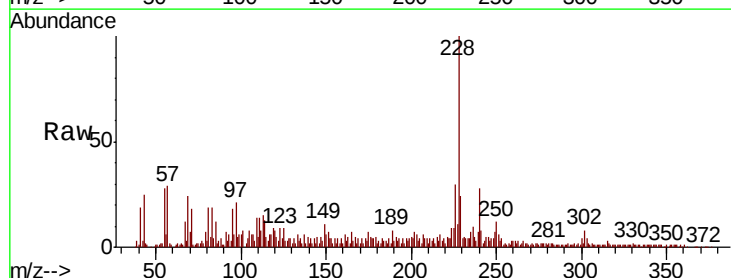
RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

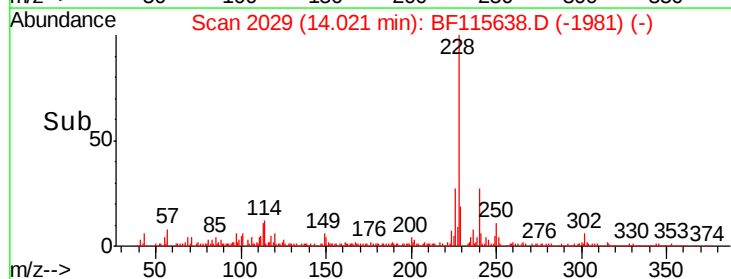
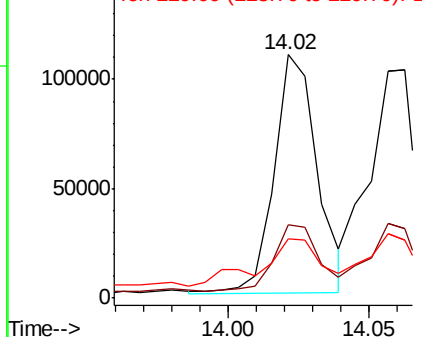
Lab File: BF115638.D

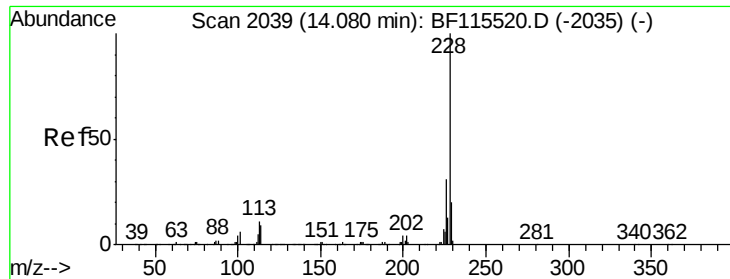
Acq: 17 Jul 2019 22:33

Tgt Ion:	228	Resp:	115923
Ion Ratio		Lower	Upper
228	100		
226	30.0	23.4	35.0
229	24.2	17.2	25.8



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





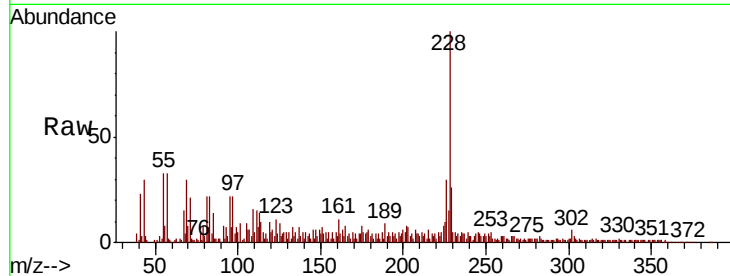
#83
Chrysene
Concen: 5.344 ng/mL
RT: 14.06 min Scan# 2036
Delta R.T. -0.02 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-005-A

Tot Ion:	228	Resp:	119192
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.7	38.5
229	25.7	16.6	25.0

Manual Integrations
APPROVED

mohammad
7/19/2019 2:26:13 PM

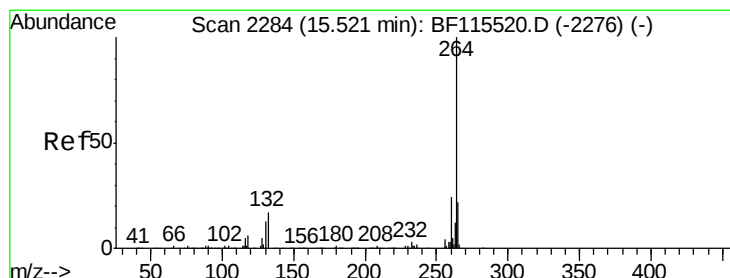
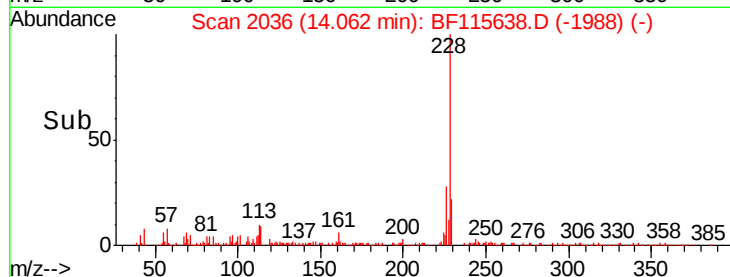
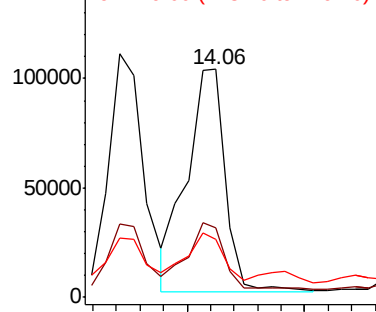


Abundance

Ion 228.00 (227.70 to 228.70): E

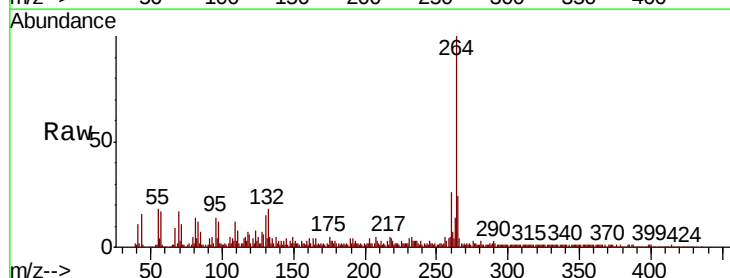
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

Tgt Ion:	264	Resp:	266927
Ion Ratio	Lower	Upper	
264	100		
260	25.8	19.8	29.8
265	23.6	17.7	26.5

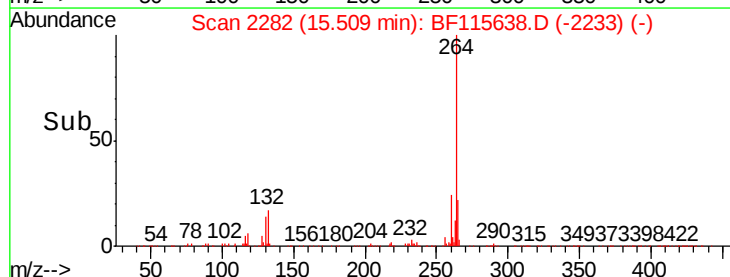
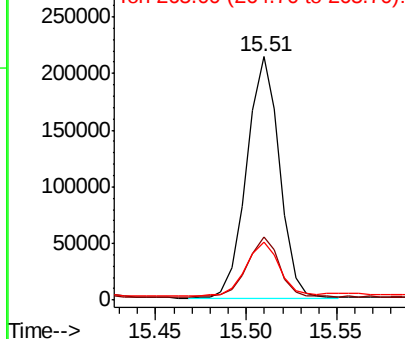


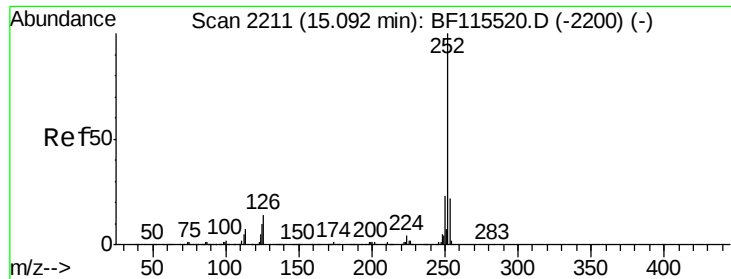
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





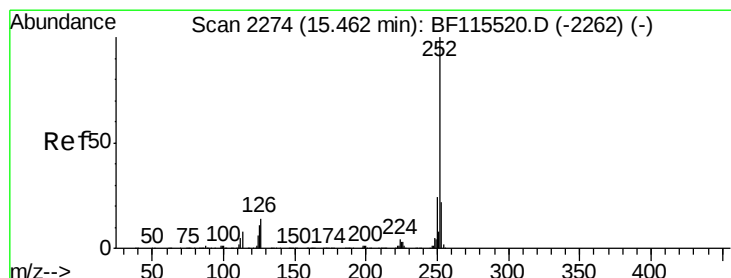
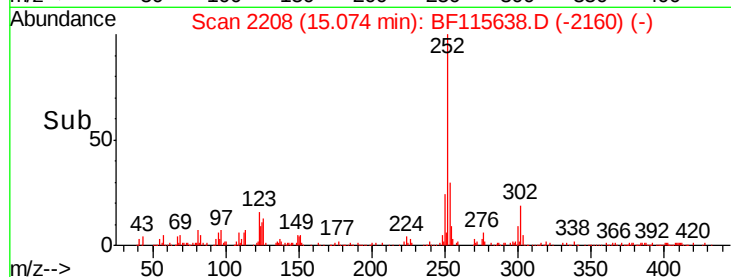
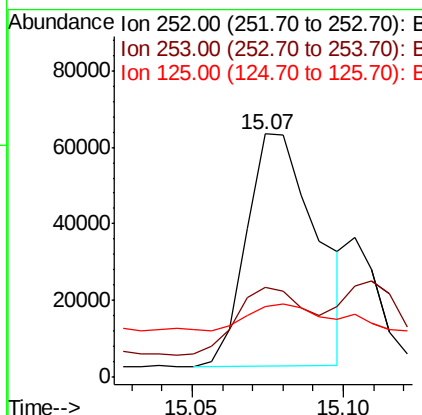
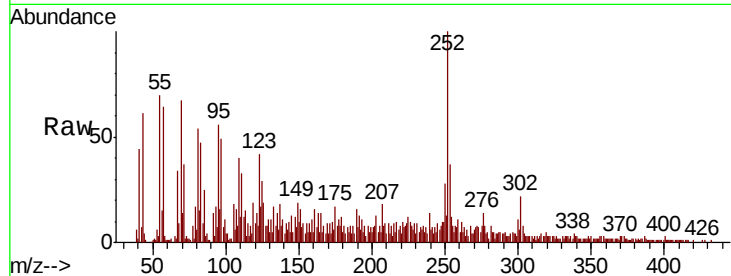
#88
Benzo(b)fluoranthene
Concen: 5.653 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-005-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.2	18.1	27.1#
125	29.3	9.0	13.4#

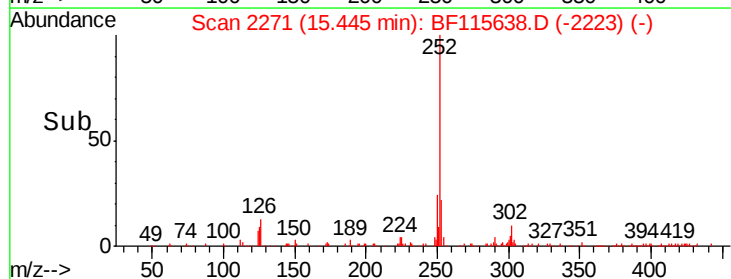
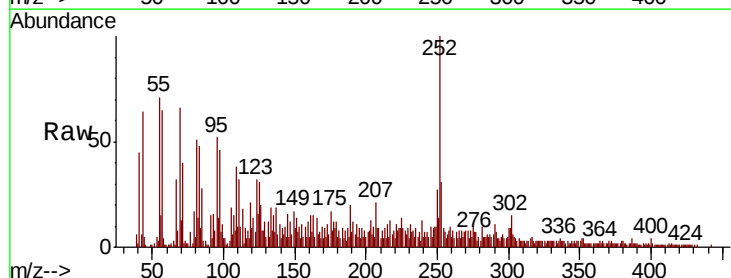
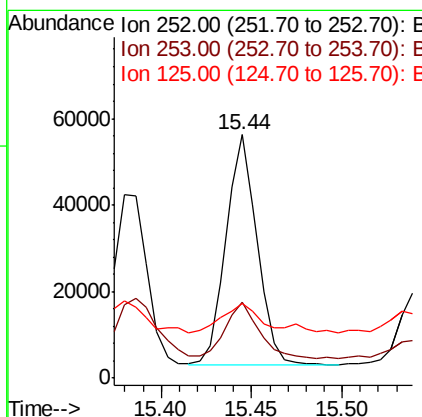
Manual Integrations
APPROVED

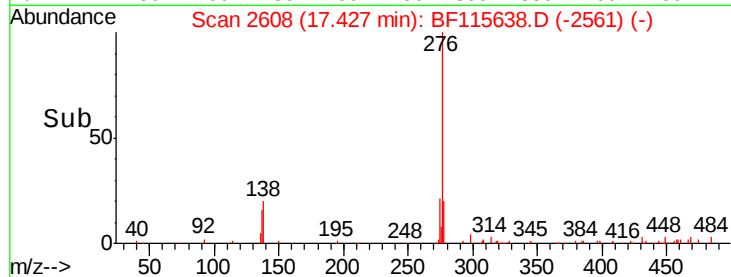
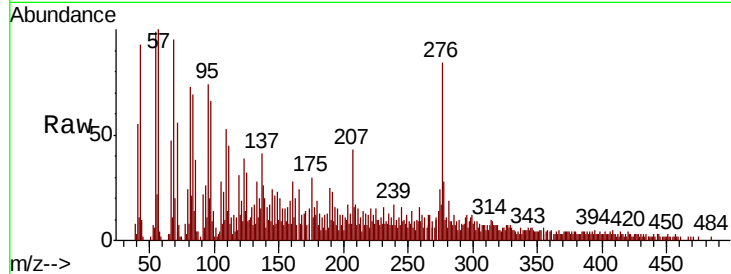
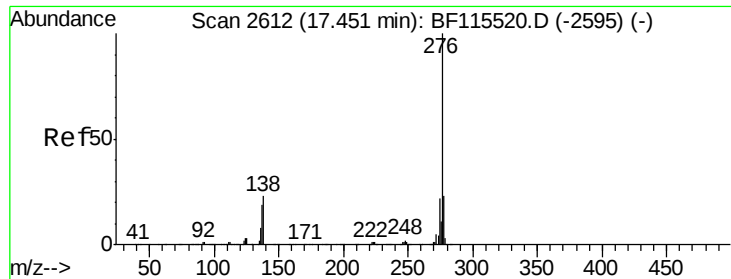
mohammad
7/19/2019 2:26:13 PM



#90
Benzo(a)pyrene
Concen: 4.338 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.3	17.8	26.6#
125	30.8	9.1	13.7#





#92
Benzo(a,h,i)perylene
Concen: 2.515 ng
RT: 17.43 min Scan# 2608
Delta R.T. -0.02 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-005-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	32.9	19.0	28.4#
138	31.4	17.2	25.8#

Manual Integrations
APPROVED

mohammad
7/19/2019 2:26:13 PM

