

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
 Data File : BF118982.D
 Acq On : 21 Feb 2020 2:27
 Operator : CG/JU
 Sample : L1551-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-007-A

Manual Integrations
 APPROVED

mohammad
 2/21/2020 2:19:05 PM

Quant Time: Feb 21 03:49:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	186114	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	677468	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	323064	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	484559	20.00	ng	0.00
76) Chrysene-d12	13.91	240	425399	20.00	ng	0.00
87) Perylene-d12	15.34	264	419381	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	160143	14.38	ng	0.00
7) Phenol-d6	6.40	99	613664	45.31	ng	0.00
23) Nitrobenzene-d5	7.32	82	424004	33.05	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	12460	2.95	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	827396	37.73	ng	0.00
79) Terphenyl-d14	12.85	244	714234	28.91	ng	0.00
Target Compounds						
71) Phenanthrene	11.30	178	227306	8.602	ng	99
72) Anthracene	11.35	178	61064	2.313	ng	99
75) Fluoranthene	12.48	202	368897	13.151	ng	99
78) Pyrene	12.71	202	331957	9.718	ng	98
80) Butylbenzylphthalate	13.33	149	45992	3.199	ng	96
81) Benzo(a)anthracene	13.90	228	184752	6.374	ng	98
83) Chrysene	13.93	228	156388	5.415	ng	97
86) Indeno(1,2,3-cd)pyrene	16.74	276	72757	2.602	ng	95
88) Benzo(b)fluoranthene	14.93	252	191453m	6.926	ng	
89) Benzo(k)fluoranthene	14.95	252	65035m	2.539	ng	
90) Benzo(a)pyrene	15.28	252	130133	5.216	ng	# 93
92) Benzo(a,h,i)perylene	17.16	276	67924	3.132	ng	97

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

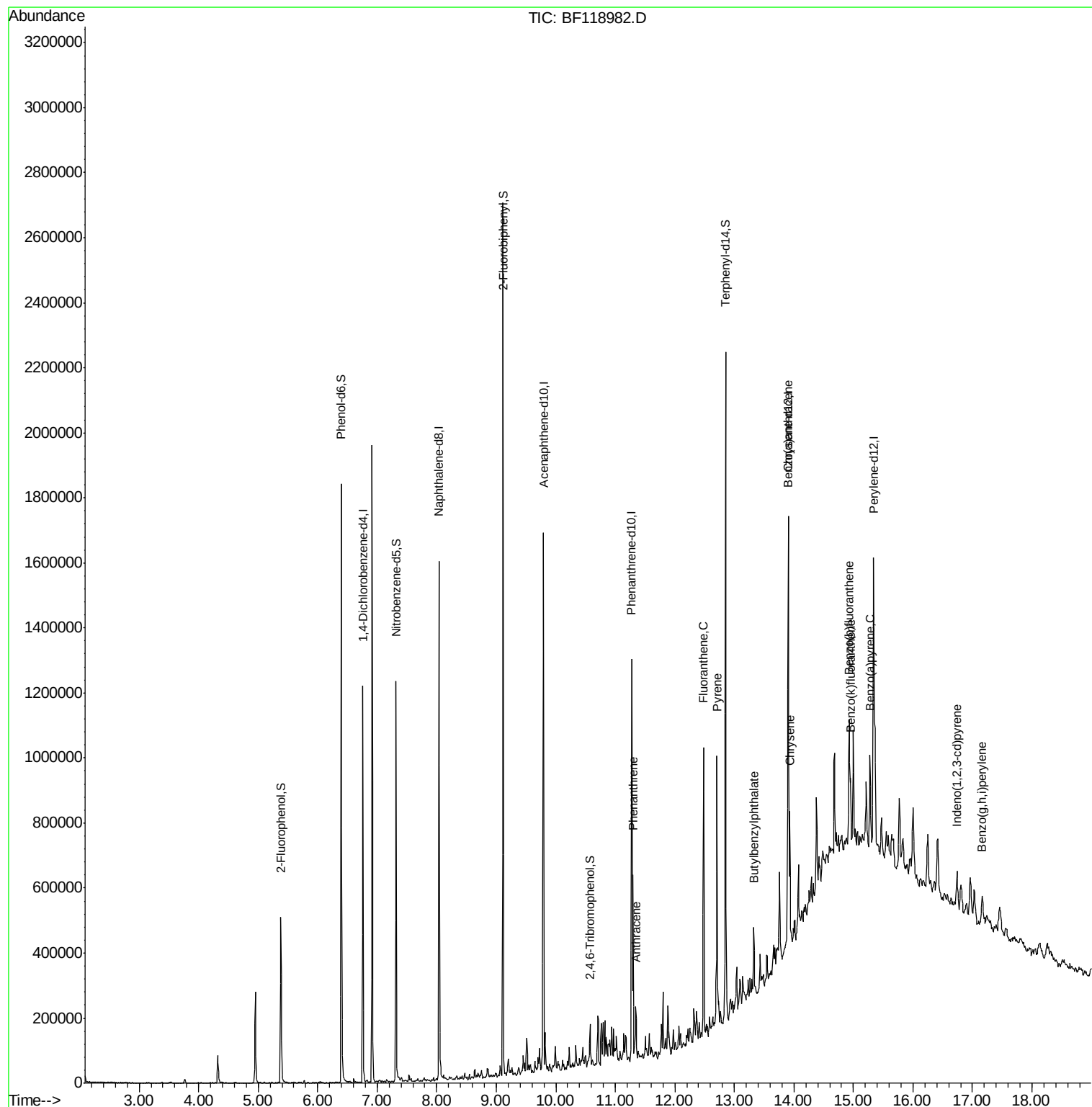
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
Data File : BF118982.D
Acq On : 21 Feb 2020 2:27
Operator : CG/JU
Sample : L1551-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

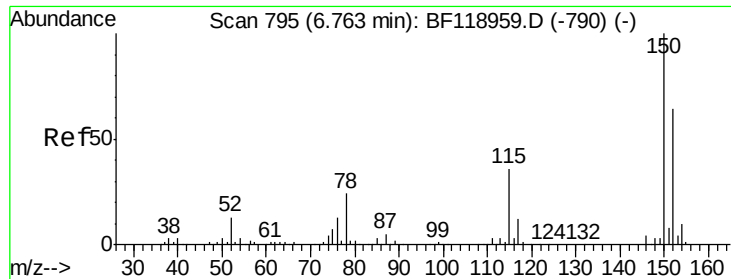
Instrument :
BNA_F
ClientSampleId :
FK-SF-01-007-A

Manual Integrations
APPROVED

mohammad
2/21/2020 2:19:05 PM

Quant Time: Feb 21 03:49:01 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 20 17:40:17 2020
Response via : Initial Calibration





#1

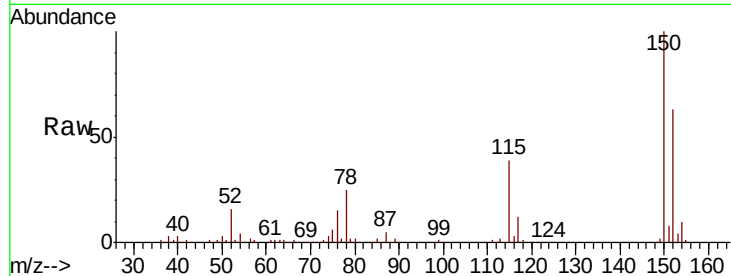
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-007-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.3	186.5
115	62.2	44.6	67.0

Manual Integrations
APPROVED

mohammad
2/21/2020 2:19:05 PM

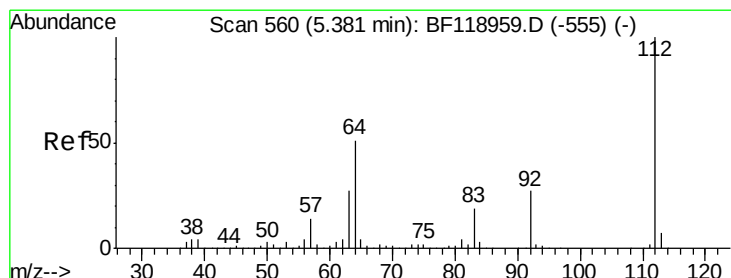
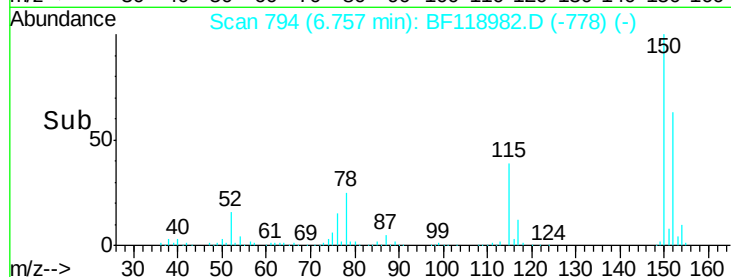
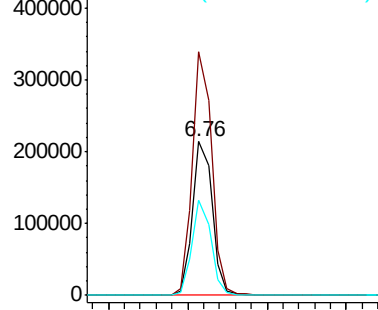


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

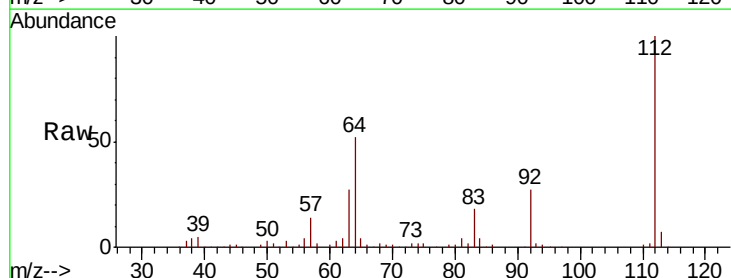
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 14.380 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.1	40.4	60.6
63	27.0	21.3	31.9

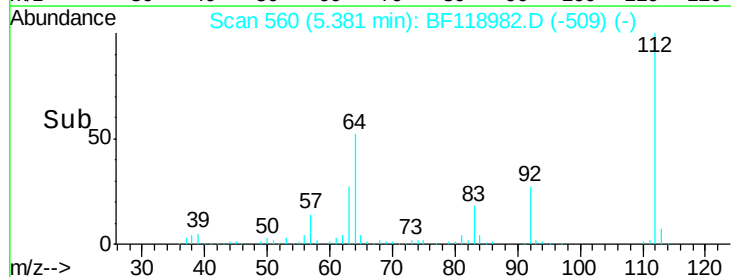
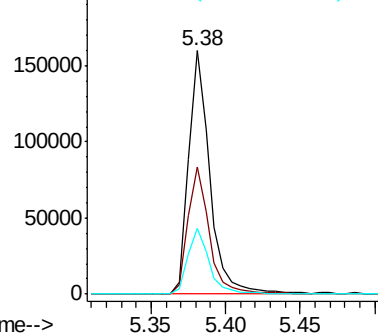


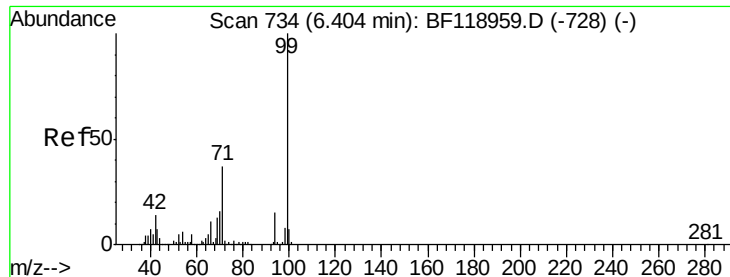
Abundance

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: 45.308 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

Instrument :

BNA_F

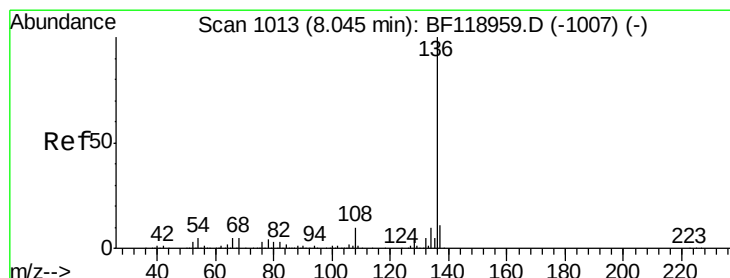
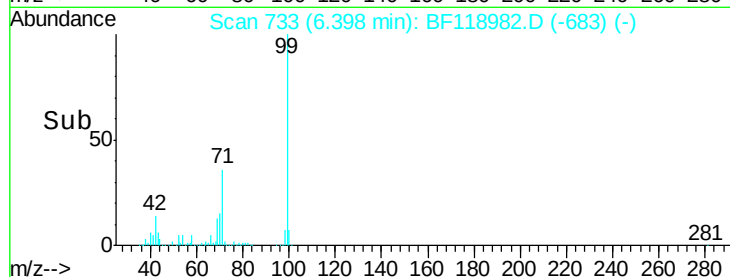
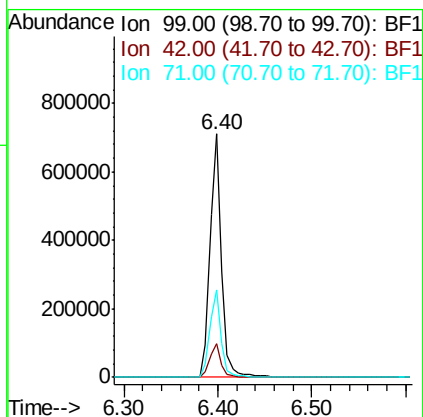
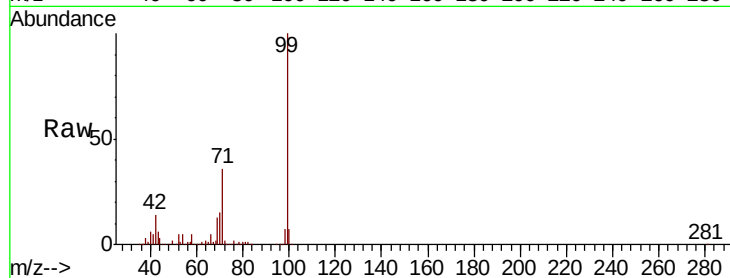
ClientSampleId :

FK-SF-01-007-A

Tot Ion:	99	Resp:	613664
Ion Ratio	Lower	Upper	
99	100		
42	13.9	11.4	17.0
71	35.8	29.8	44.6

Manual Integrations
APPROVED

mohammad
2/21/2020 2:19:05 PM



#21

Naphthalene-d8

Concen: 20.000 ng

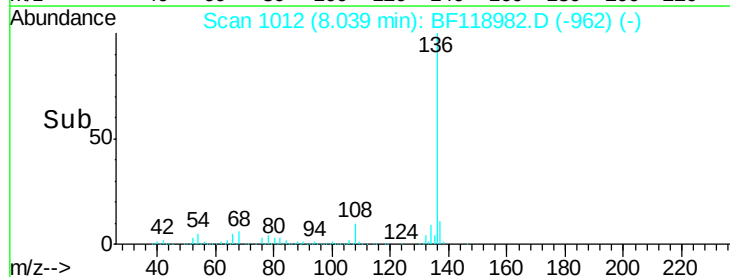
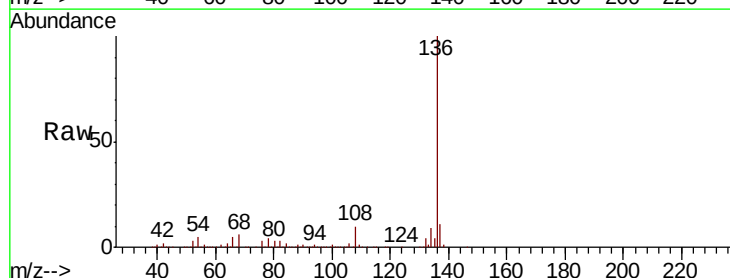
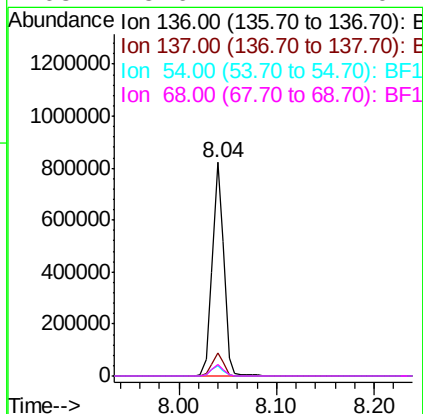
RT: 8.04 min Scan# 1012

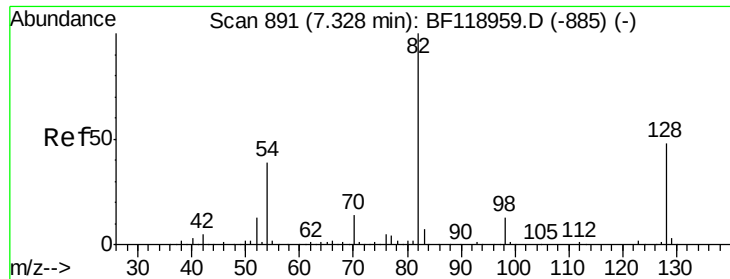
Delta R.T. -0.01 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

Tgt Ion:	136	Resp:	677468
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	5.1	3.8	5.6
68	5.6	4.2	6.2





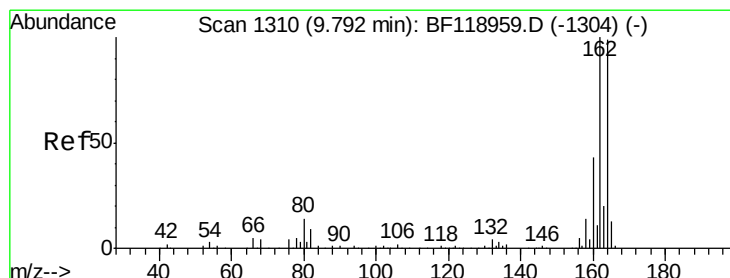
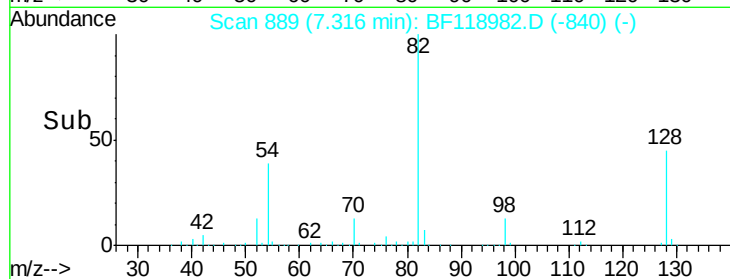
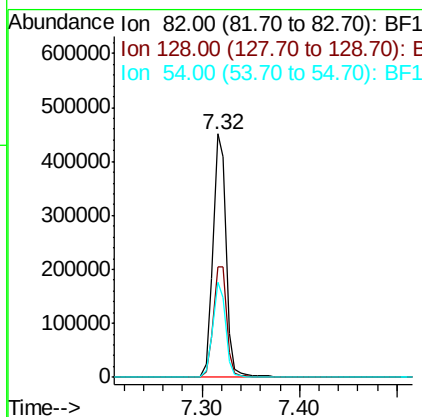
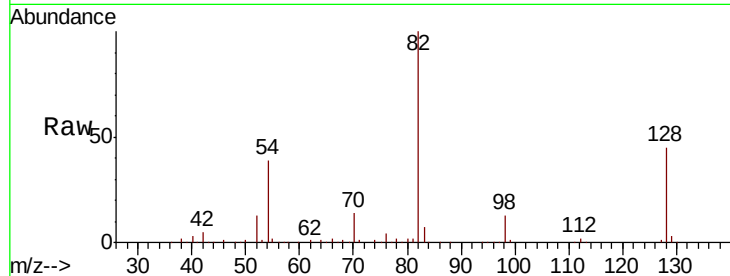
#23
Nitrobenzene-d5
Concen: 33.046 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-007-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	38.2	57.2
54	39.0	31.3	46.9

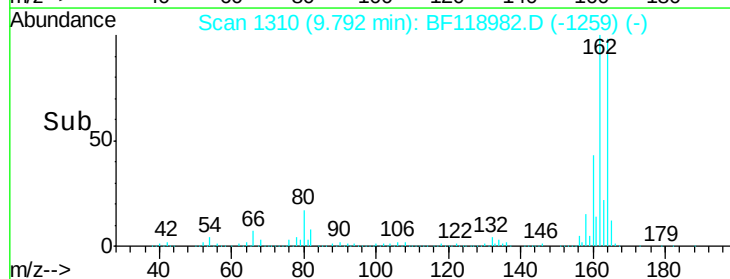
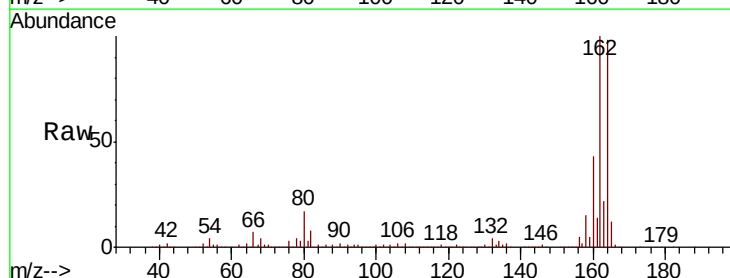
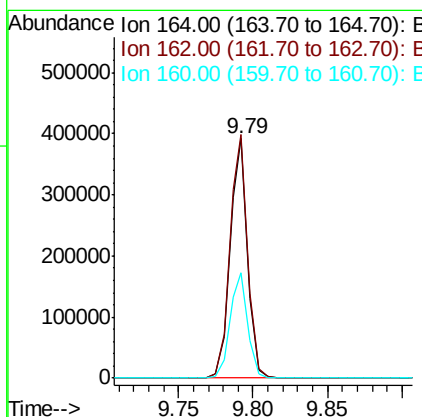
Manual Integrations
APPROVED

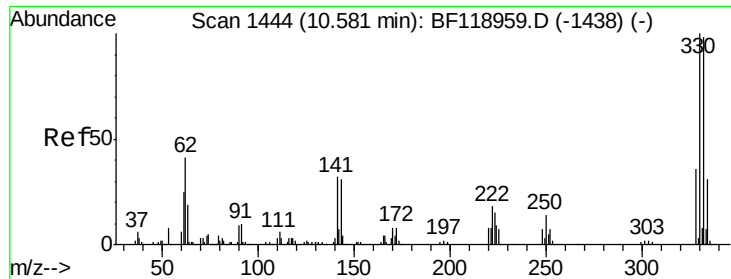
mohammad
2/21/2020 2:19:05 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.2	121.8
160	44.0	35.2	52.8





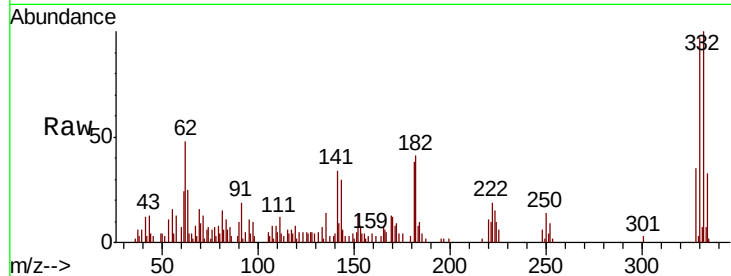
#42
 2,4,6-Tribromophenol
 Concen: 2.948 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF118982.D
 Acq: 21 Feb 2020 2:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-007-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	12460		
332	97.2		77.1	115.7
141	27.0		23.0	34.6

Manual Integrations
 APPROVED

mohammad
 2/21/2020 2:19:05 PM

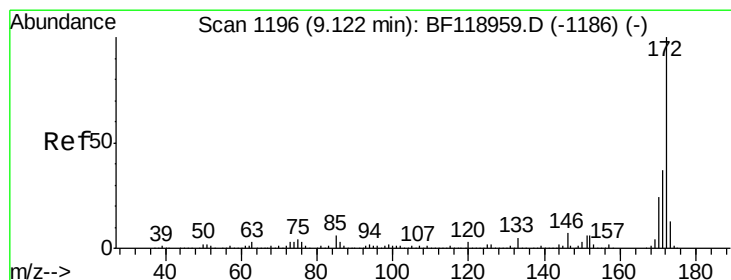
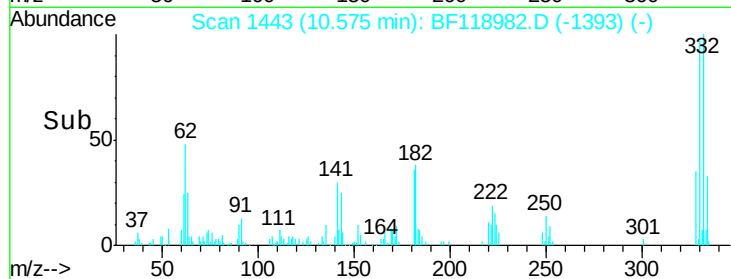
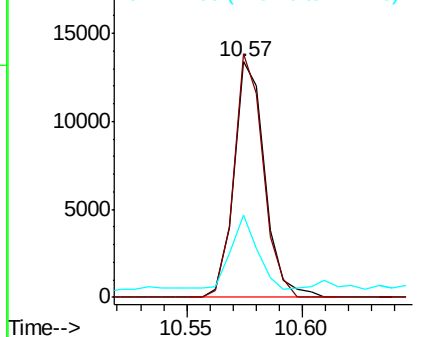


Abundance

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: 37.729 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF118982.D
 Acq: 21 Feb 2020 2:27

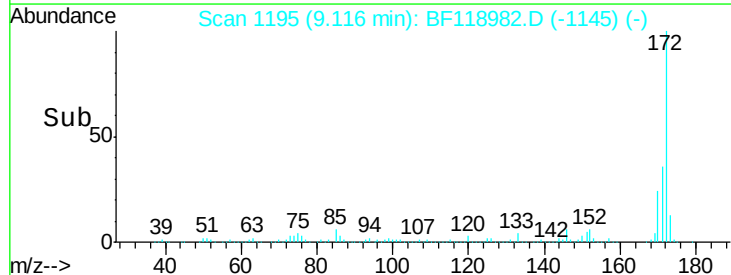
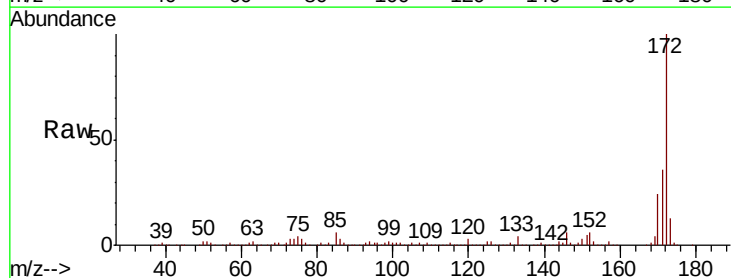
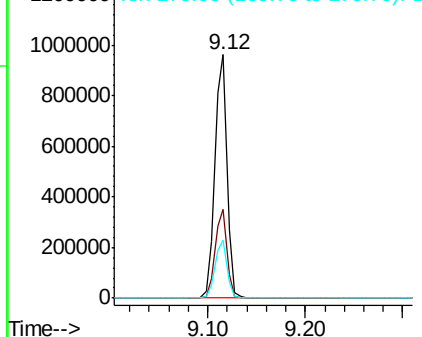
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	827396		
171	36.3		29.4	44.2
170	23.8		19.6	29.4

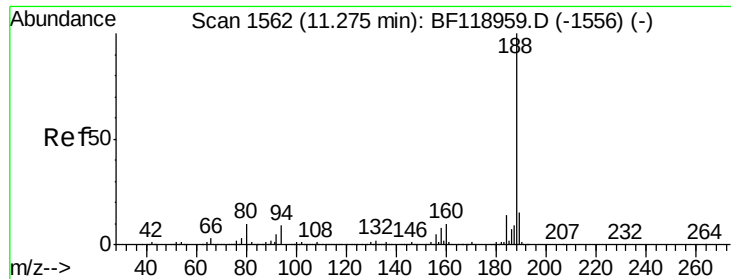
Abundance

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





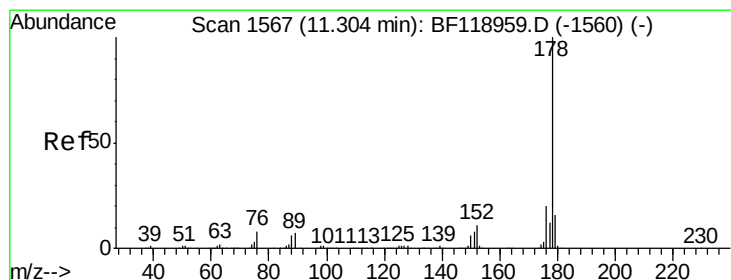
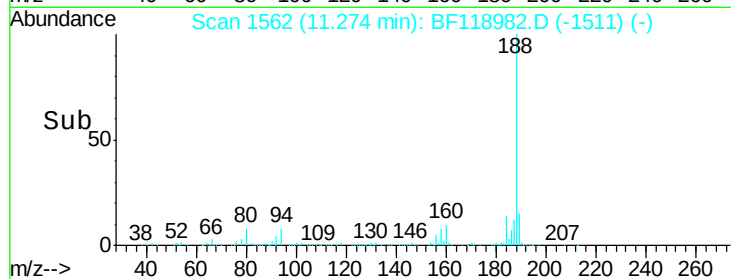
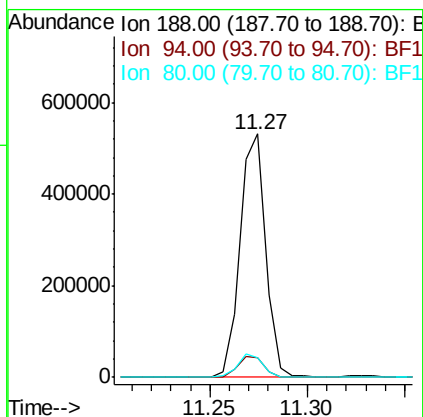
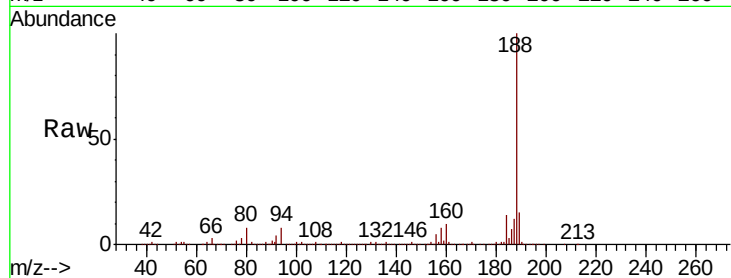
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-007-A

Tot Ion:	188	Resp:	484559
Ion Ratio	Lower	Upper	
188	100		
94	8.0	7.0	10.6
80	8.3	7.9	11.9

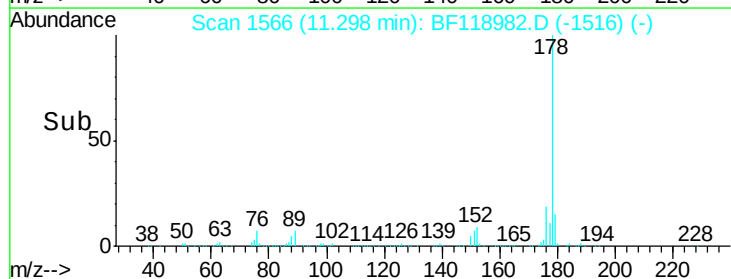
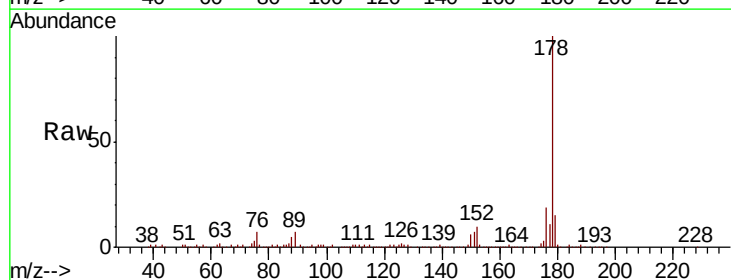
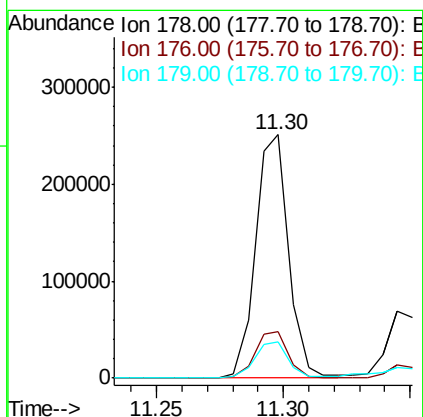
Manual Integrations
APPROVED

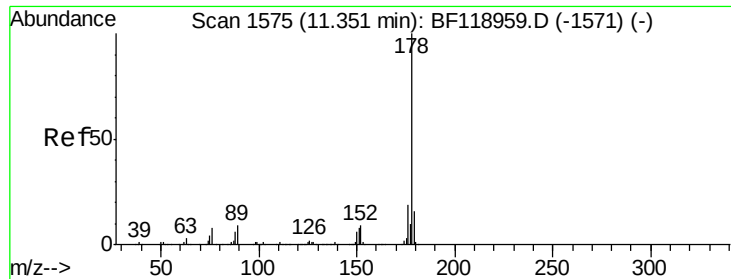
mohammad
2/21/2020 2:19:05 PM



#71
Phenanthrene
Concen: 8.602 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Tgt Ion:	178	Resp:	227306
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.6	23.4
179	15.0	12.6	18.8





#72

Anthracene

Concen: 2.313 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

Instrument :

BNA_F

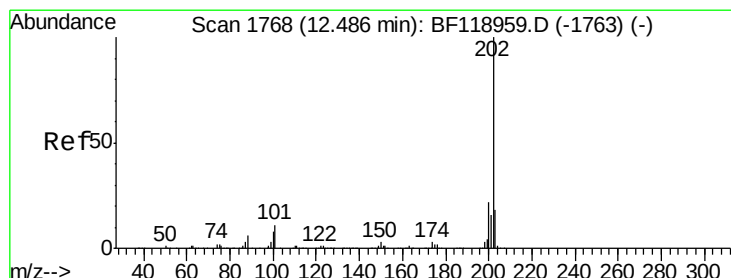
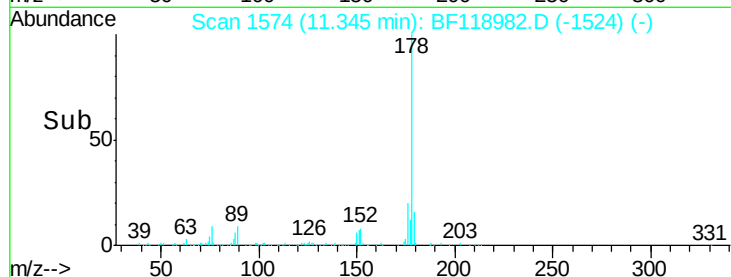
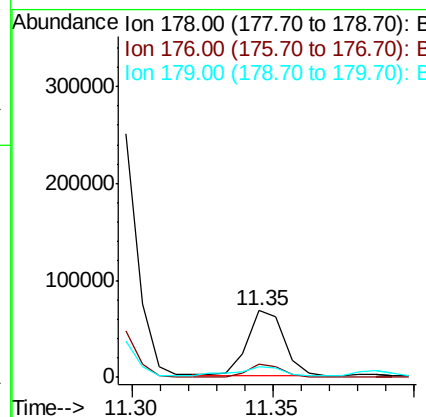
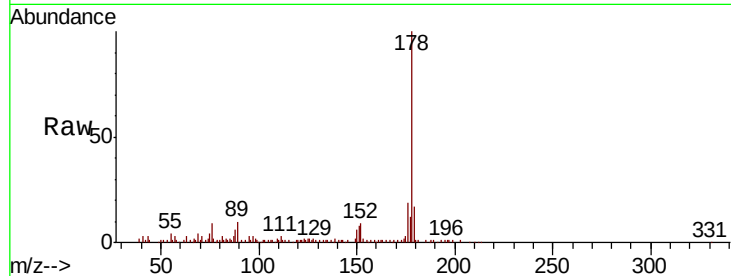
ClientSampleId :

FK-SF-01-007-A

Tot Ion:	178	Resp:	61064
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.4	23.2
179	16.8	12.8	19.2

Manual Integrations
APPROVED

mohammad
2/21/2020 2:19:05 PM



#75

Fluoranthene

Concen: 13.151 ng

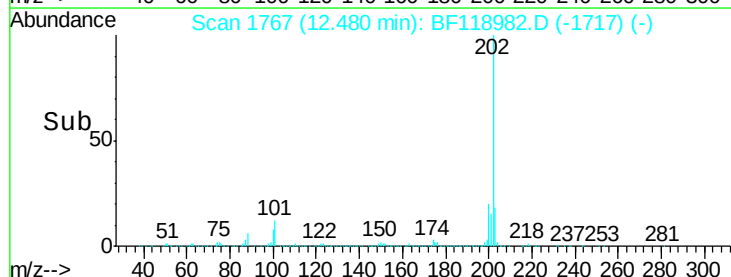
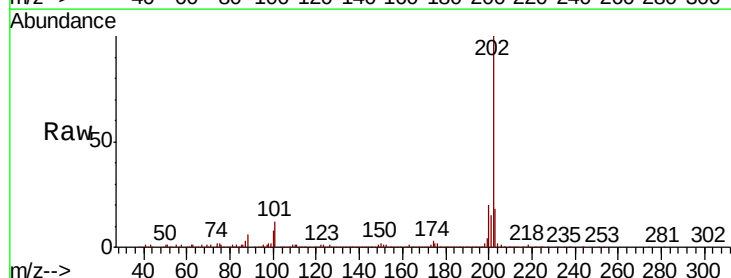
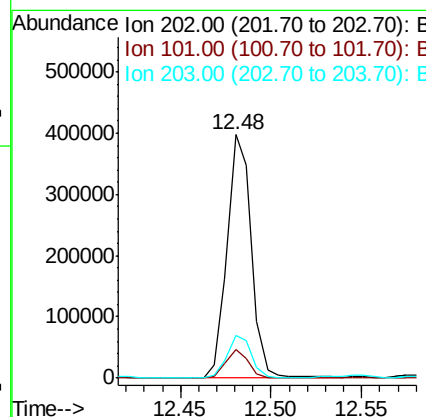
RT: 12.48 min Scan# 1767

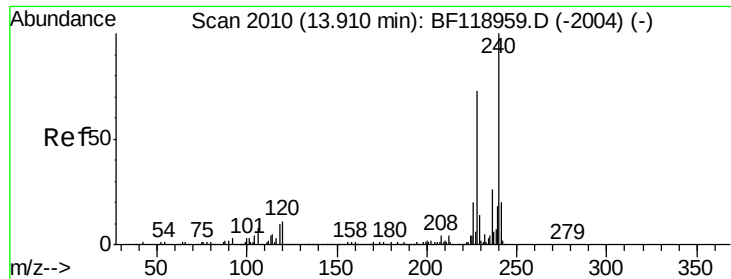
Delta R.T. -0.01 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

Tgt Ion:	202	Resp:	368897
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	31.1
203	17.7	0.0	38.1





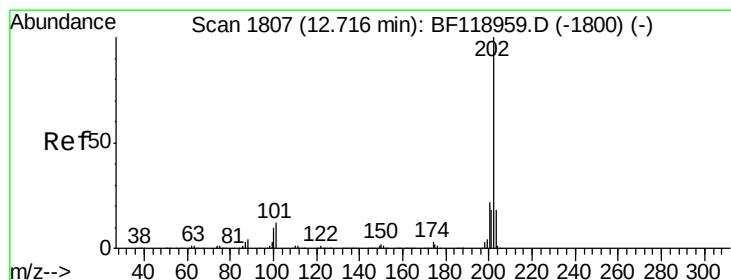
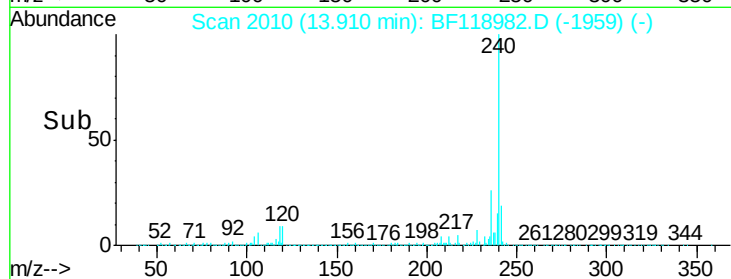
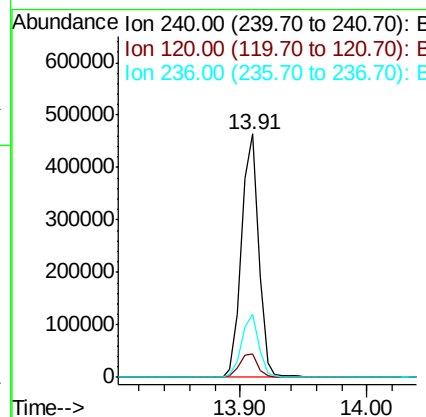
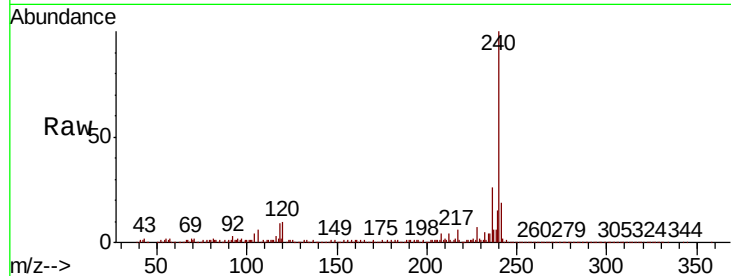
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-007-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.9	13.3
236	25.9	20.6	30.8

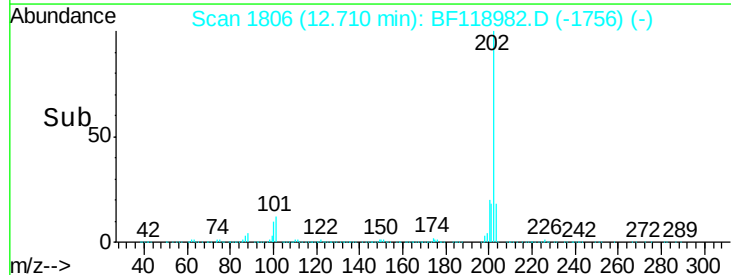
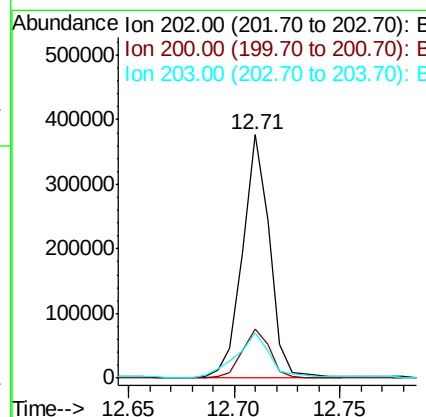
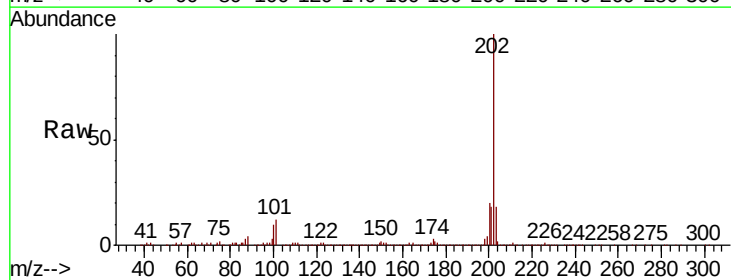
Manual Integrations
APPROVED

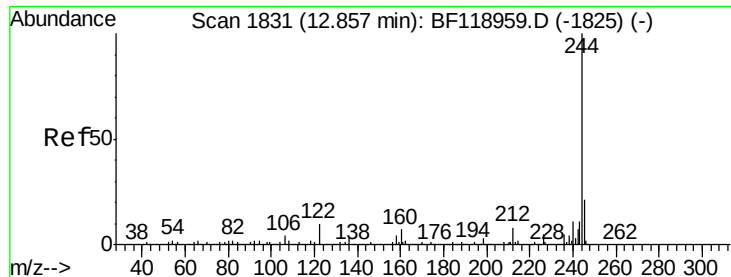
mohammad
2/21/2020 2:19:05 PM



#78
Pyrene
Concen: 9.718 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.4	26.0
203	18.3	14.5	21.7





#79

Terphenyl-d14

Concen: 28.906 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

Instrument :

BNA_F

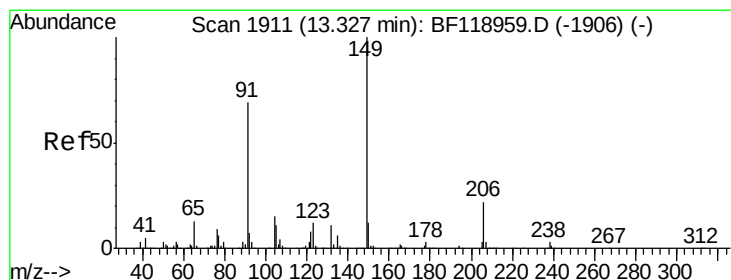
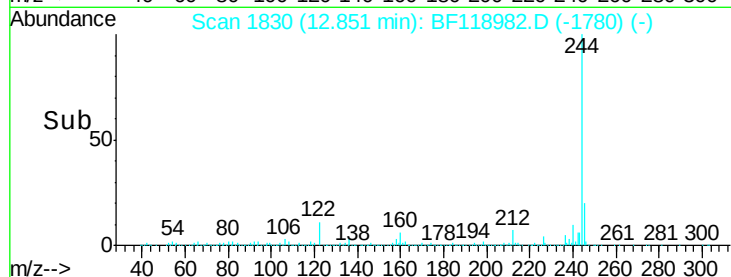
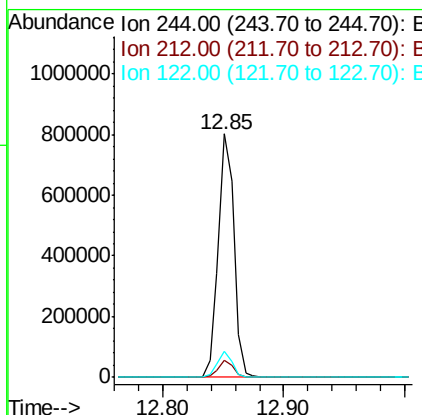
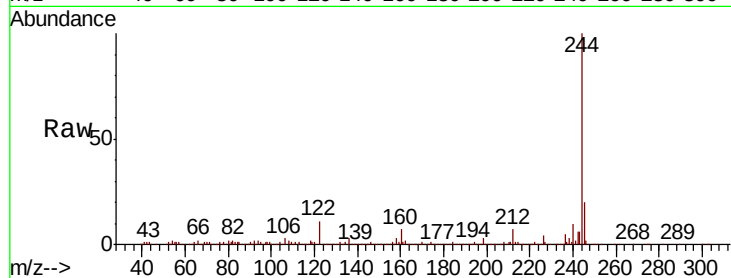
ClientSampleId :

FK-SF-01-007-A

Tot Ion:	244	Resp:	714234
Ion Ratio		Lower	Upper
244	100		
212	6.9	6.3	9.5
122	10.9	8.4	12.6

Manual Integrations
APPROVED

mohammad
2/21/2020 2:19:05 PM



#80

Butylbenzylphthalate

Concen: 3.199 ng

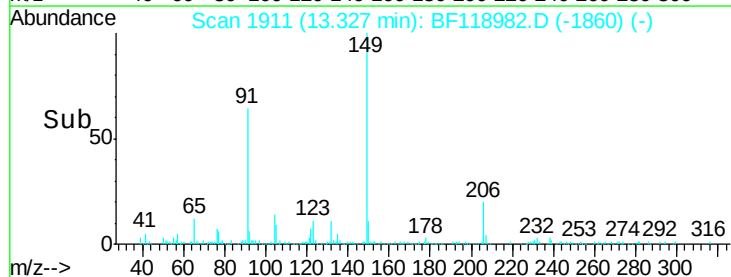
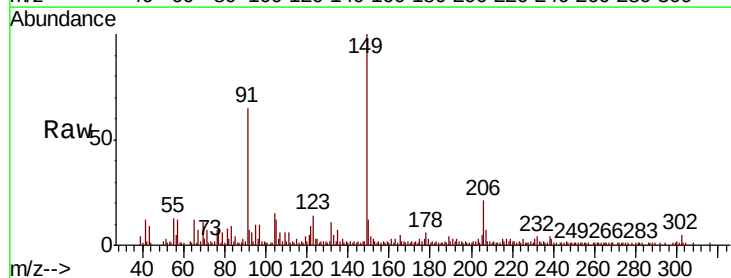
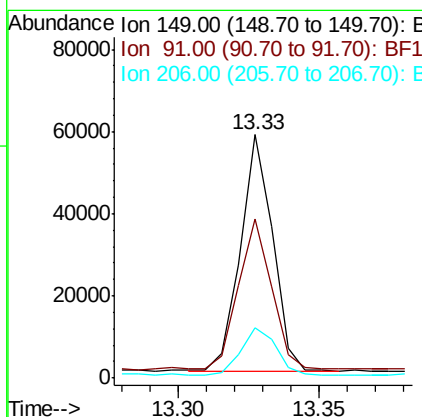
RT: 13.33 min Scan# 1911

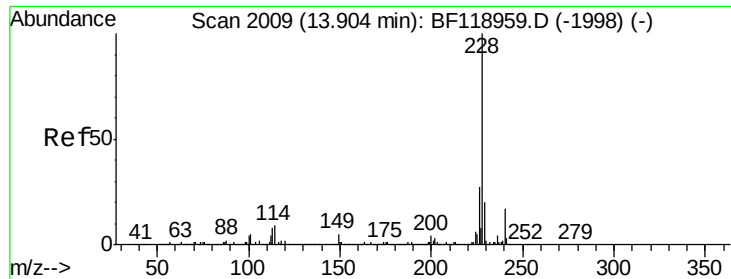
Delta R.T. -0.00 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

Tgt Ion:	149	Resp:	45992
Ion Ratio		Lower	Upper
149	100		
91	65.4	55.4	83.2
206	20.7	17.7	26.5





#81

Benzo(a)anthracene

Concen: 6.374 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

Instrument :

BNA_F

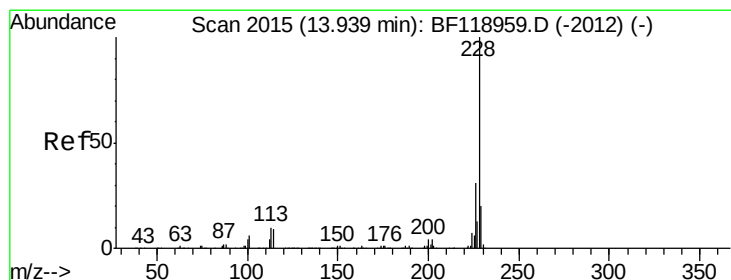
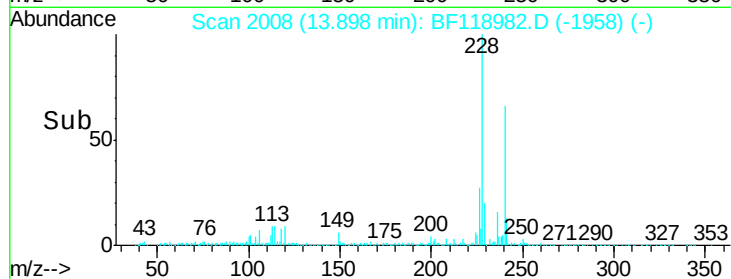
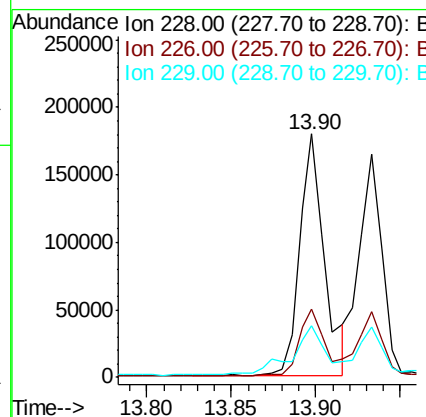
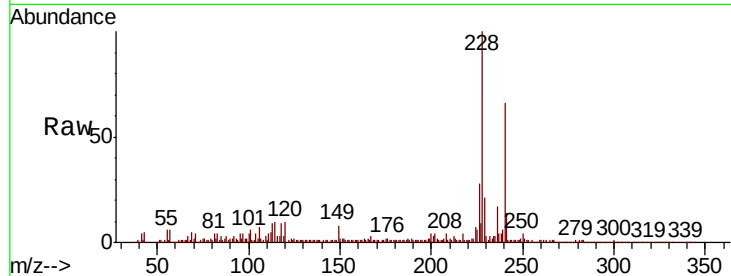
ClientSampleId :

FK-SF-01-007-A

Tot Ion:	228	Resp:	184752
Ion Ratio	Lower	Upper	
228	100		
226	28.1	21.8	32.8
229	21.2	16.0	24.0

Manual Integrations
APPROVED

mohammad
2/21/2020 2:19:05 PM



#83

Chrysene

Concen: 5.415 ng

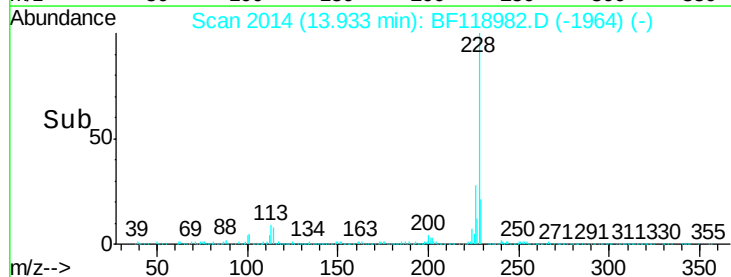
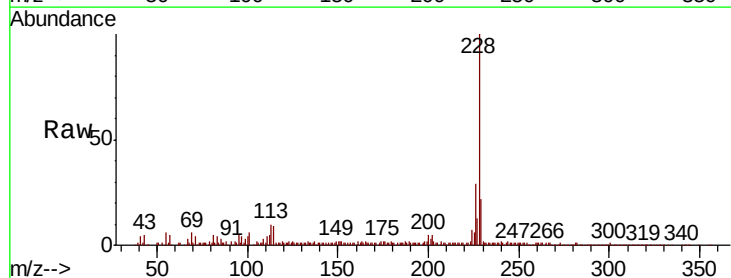
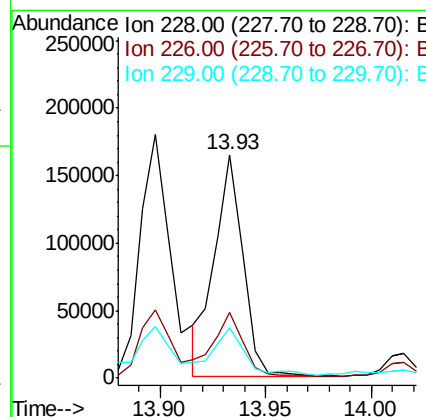
RT: 13.93 min Scan# 2014

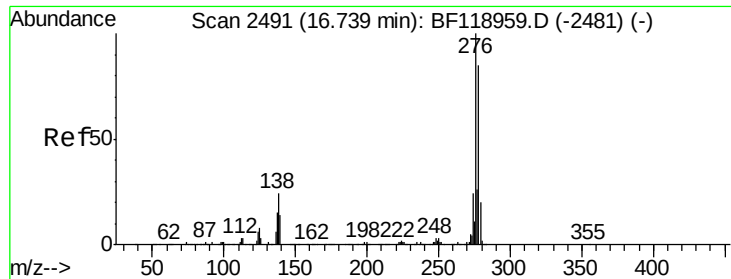
Delta R.T. -0.01 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

Tgt Ion:	228	Resp:	156388
Ion Ratio	Lower	Upper	
228	100		
226	29.3	24.6	37.0
229	22.3	16.2	24.2





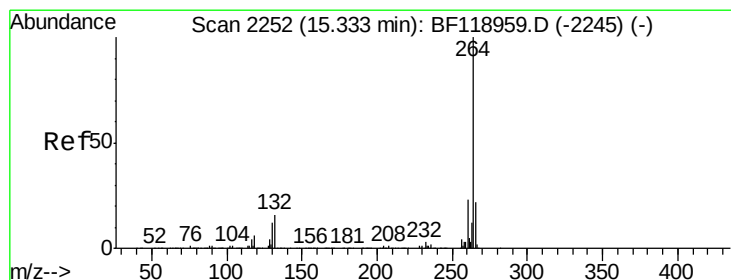
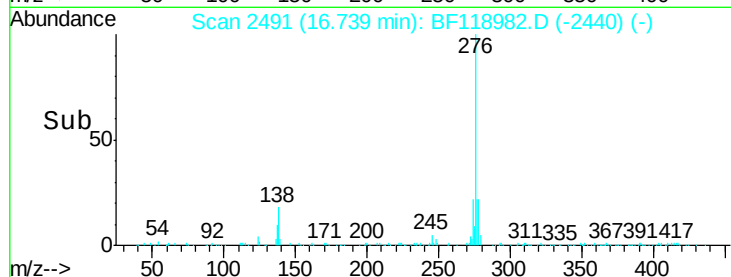
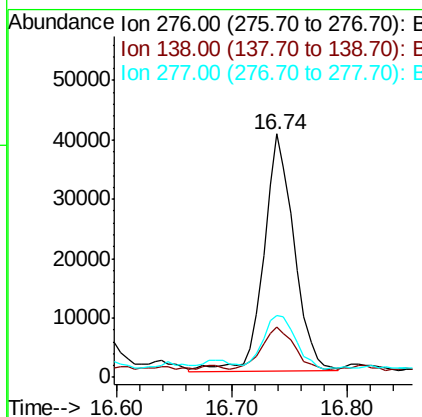
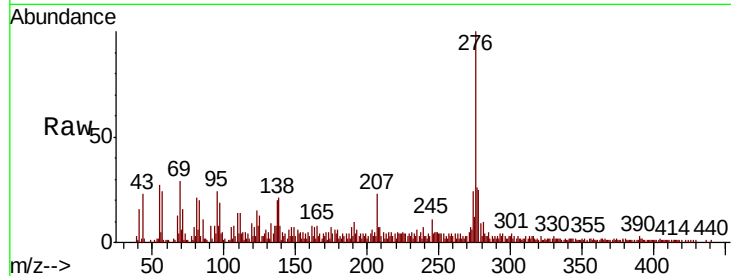
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.602 ng
RT: 16.74 min Scan# 2491
Delta R.T. -0.00 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-007-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.3	18.7	28.1
277	24.3	20.3	30.5

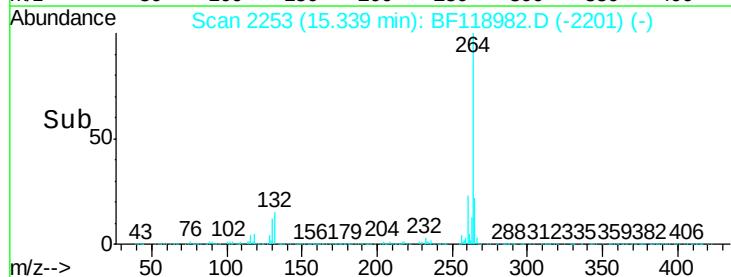
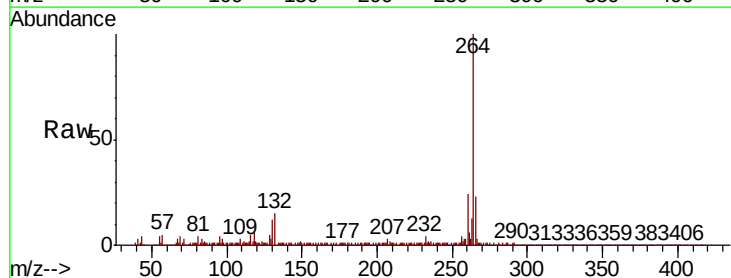
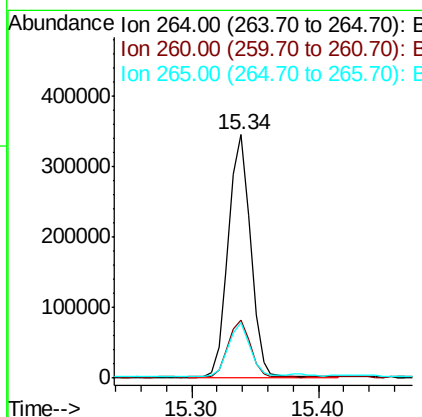
Manual Integrations
APPROVED

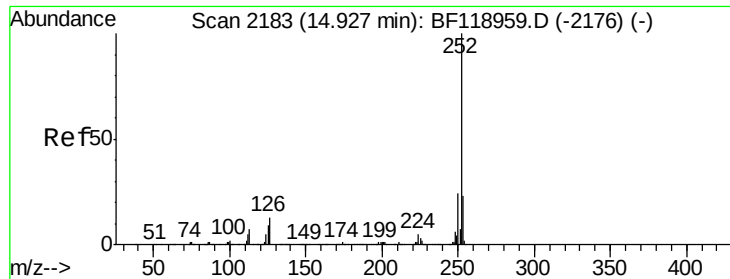
mohammad
2/21/2020 2:19:05 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.01 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	22.9	17.3	25.9





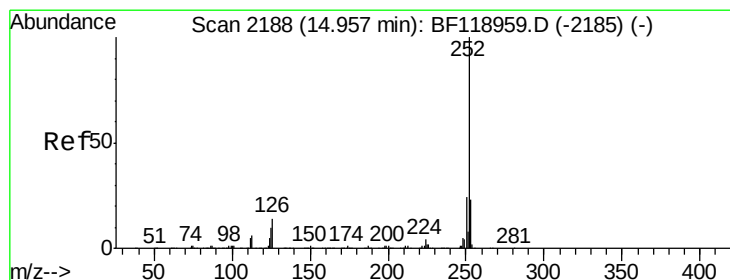
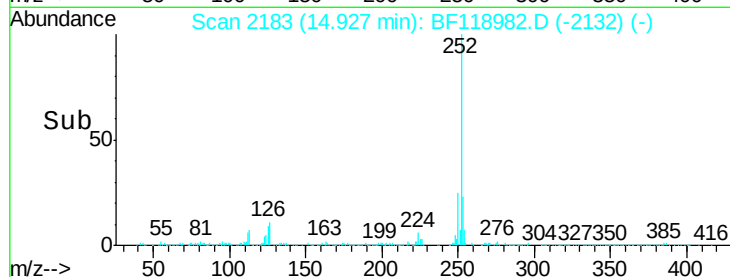
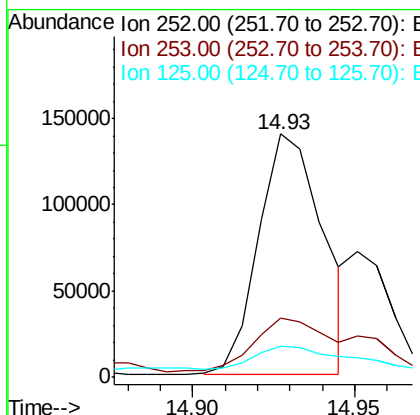
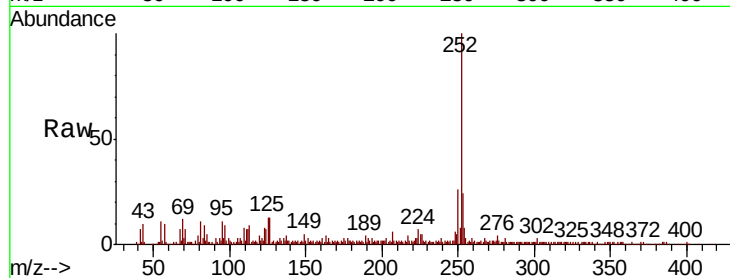
#88
Benzo(b)fluoranthene
Concen: 6.926 ng m
RT: 14.93 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-007-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	12.7	7.4	11.0

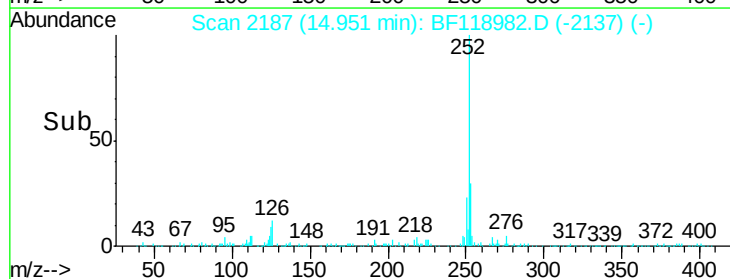
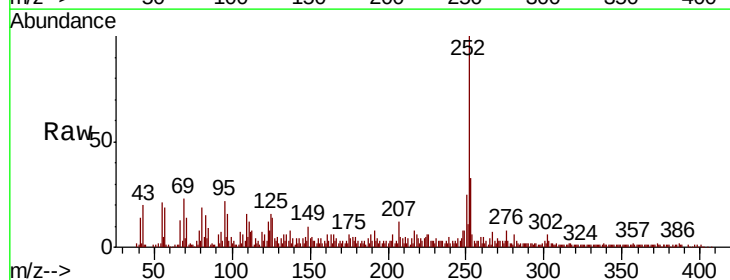
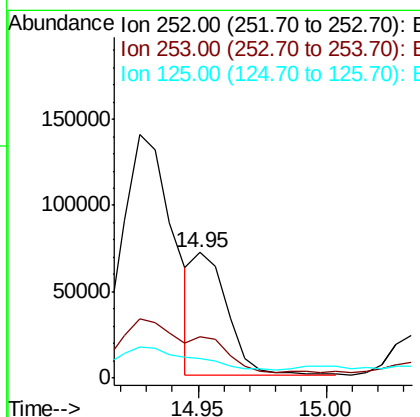
Manual Integrations
APPROVED

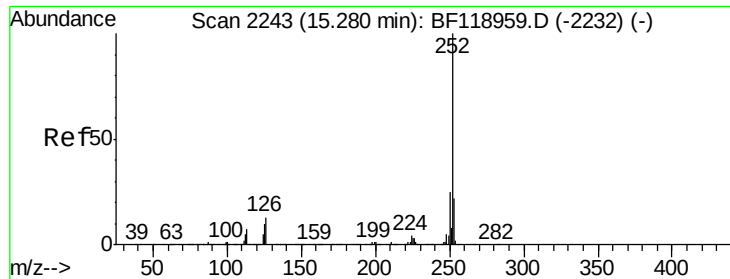
mohammad
2/21/2020 2:19:05 PM



#89
Benzo(k)fluoranthene
Concen: 2.539 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.4	17.9	26.9
125	15.6	7.3	10.9





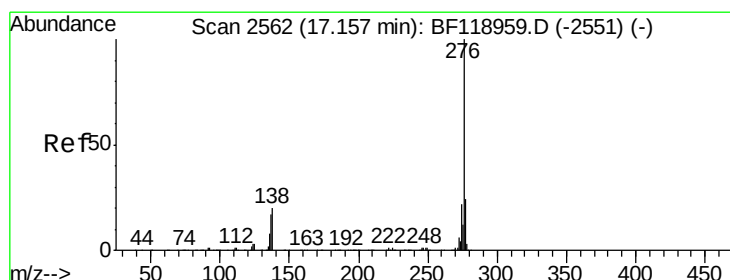
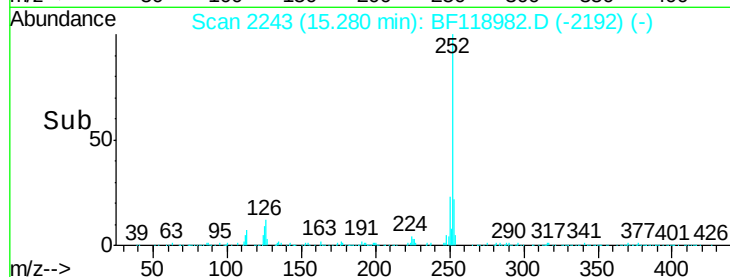
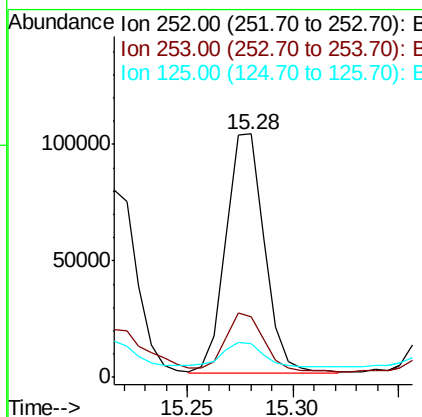
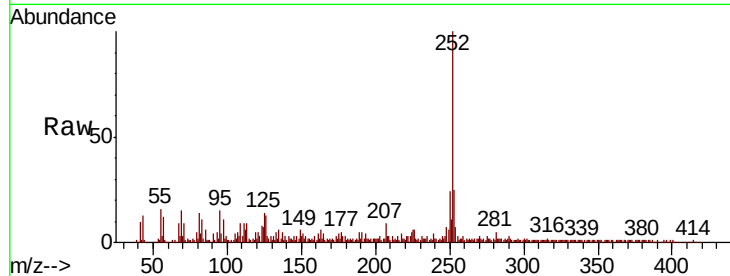
#90
Benzo(a)pyrene
Concen: 5.216 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.00 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-007-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	13.7	7.8	11.6

Manual Integrations
APPROVED

mohammad
2/21/2020 2:19:05 PM



#92
Benzo(g,h,i)perylene
Concen: 3.132 ng
RT: 17.16 min Scan# 2563
Delta R.T. 0.01 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	19.2	28.8
138	20.2	16.2	24.4

