

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
 Data File : BF118986.D
 Acq On : 21 Feb 2020 4:20
 Operator : CG/JU
 Sample : L1552-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-008-B

Manual Integrations
 APPROVED

mohammad
 2/21/2020 2:19:13 PM

Quant Time: Feb 21 05:56:50 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	152544	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	519855	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	235391	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	402209	20.00	ng	0.00
76) Chrysene-d12	13.92	240	368638	20.00	ng	0.00
87) Perylene-d12	15.35	264	328240	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	295683	32.39	ng	0.00
7) Phenol-d6	6.40	99	801014	72.16	ng	0.00
23) Nitrobenzene-d5	7.32	82	573403	58.24	ng	0.00
42) 2,4,6-Tribromophenol	10.58	330	22543	7.32	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	1070425	66.99	ng	0.00
79) Terphenyl-d14	12.86	244	1179686	55.10	ng	0.00

Target Compounds

						Qvalue
50) Dimethylphthalate	9.51	163	77658	4.314	ng	98
52) Acenaphthene	9.83	154	85151	6.378	ng	98
55) Dibenzofuran	10.00	168	62117	3.117	ng	94
58) Fluorene	10.34	166	102378	6.611	ng	98
71) Phenanthrene	11.30	178	1266984	57.762	ng	99
72) Anthracene	11.35	178	385422	17.586	ng	99
73) Carbazole	11.50	167	182681	9.356	ng	98
75) Fluoranthene	12.49	202	1618042	69.495	ng	99
78) Pyrene	12.72	202	1370715	46.306	ng	100
81) Benzo(a)anthracene	13.91	228	723553	28.806	ng	97
83) Chrysene	13.94	228	638975	25.531	ng	96
86) Indeno(1,2,3-cd)pyrene	16.76	276	248609	10.259	ng	# 94
88) Benzo(b)fluoranthene	14.94	252	705511m	32.609	ng	
89) Benzo(k)fluoranthene	14.96	252	248315m	12.385	ng	
90) Benzo(a)pyrene	15.29	252	485666	24.872	ng	# 95
91) Dibenzo(a,h)anthracene	16.76	278	64405	3.749	ng	# 76
92) Benzo(g,h,i)perylene	17.19	276	228689	13.471	ng	97

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

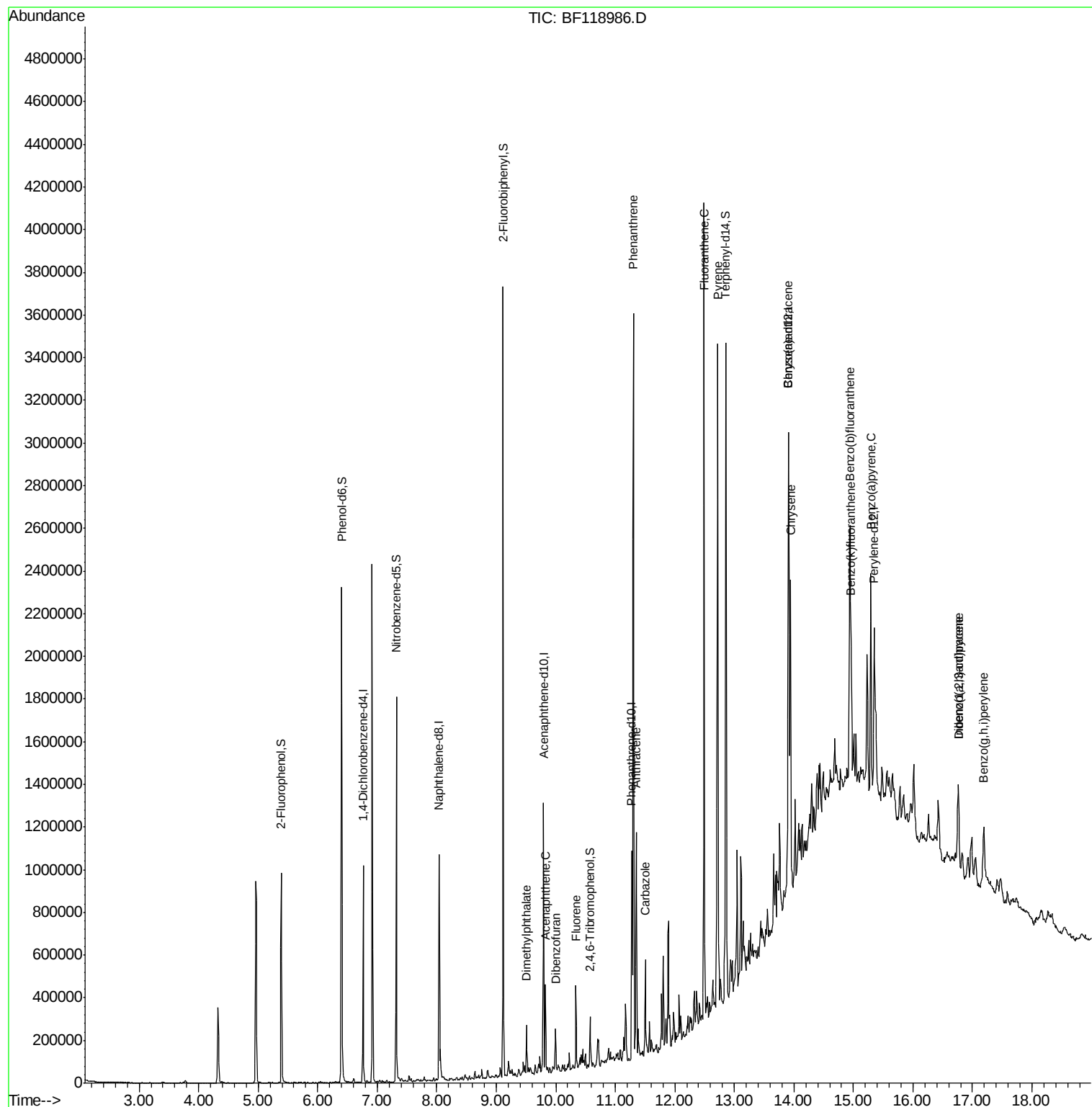
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
Data File : BF118986.D
Acq On : 21 Feb 2020 4:20
Operator : CG/JU
Sample : L1552-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-B

Manual Integrations
APPROVED

mohammad
2/21/2020 2:19:13 PM

Quant Time: Feb 21 05:56:50 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

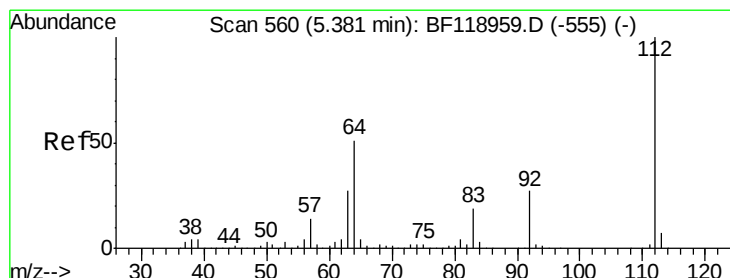
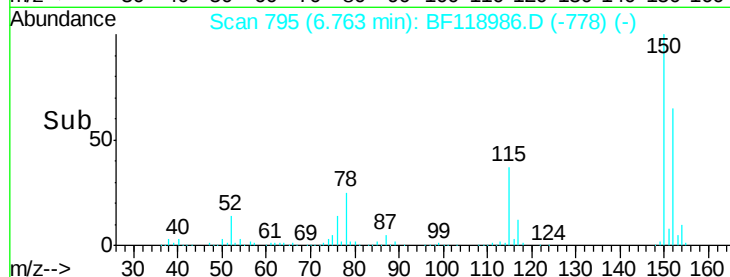
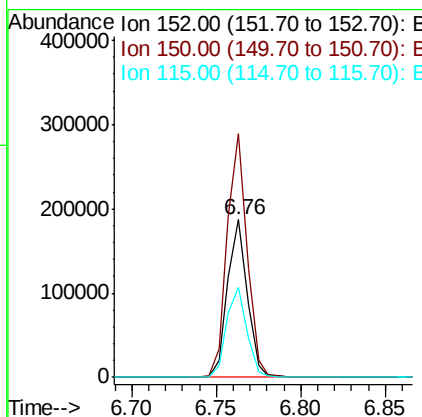
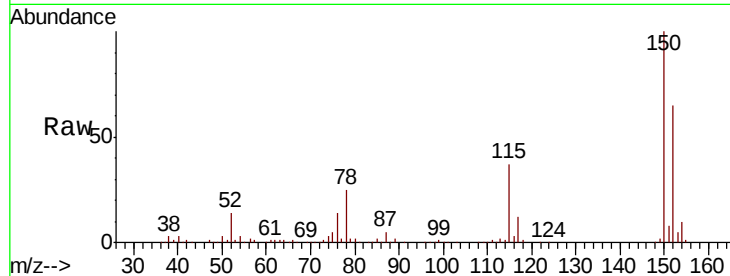
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF118986.D
Acq: 21 Feb 2020 4:20

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.3	186.5
115	57.3	44.6	67.0

Manual Integrations
APPROVED

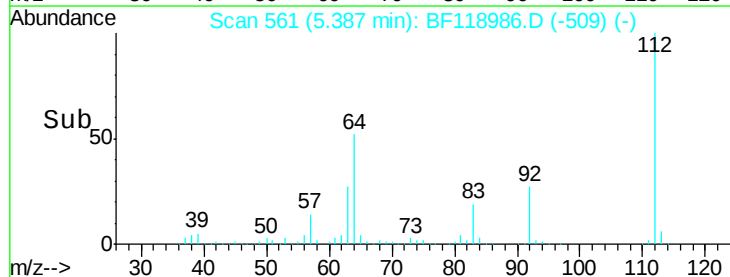
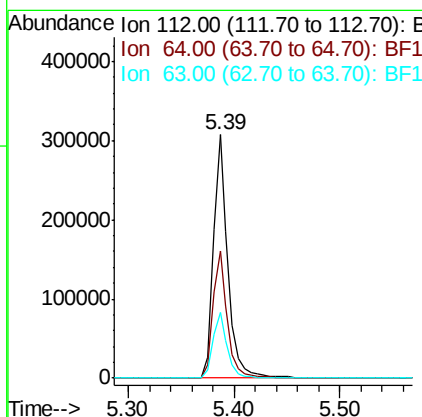
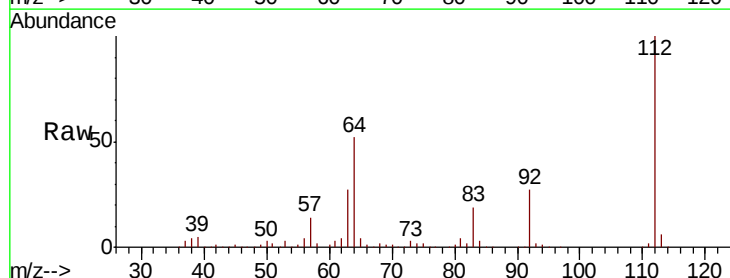
mohammad
2/21/2020 2:19:13 PM



#5

2-Fluorophenol
Concen: 32.393 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF118986.D
Acq: 21 Feb 2020 4:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	40.4	60.6
63	27.1	21.3	31.9





#7

Phenol-d6

Concen: 72.155 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF118986.D

Acq: 21 Feb 2020 4:20

Instrument :

BNA_F

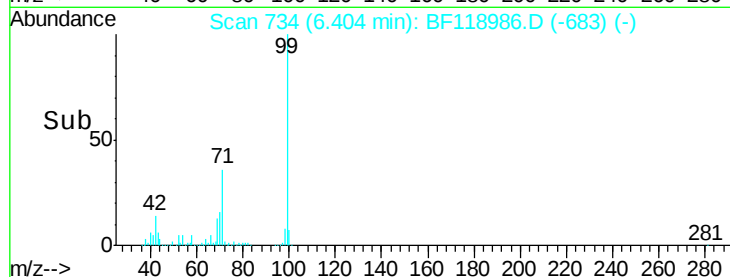
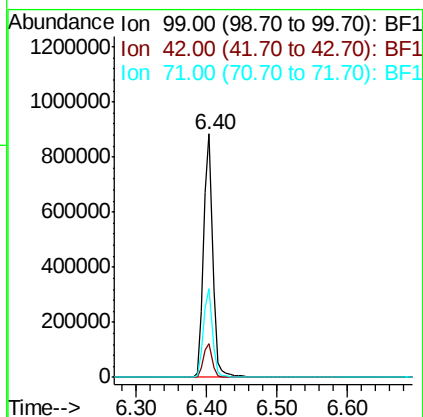
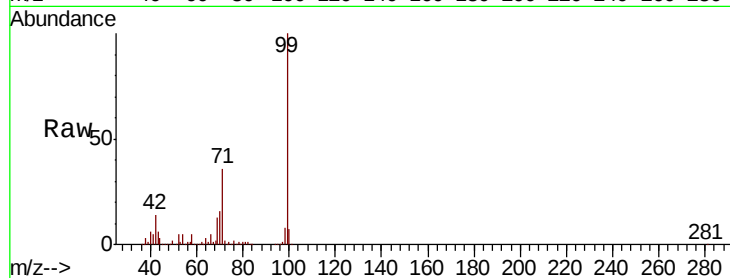
ClientSampleId :

FK-SF-01-008-B

Tot Ion:	99	Resp:	801014
Ion Ratio	Lower	Upper	
99	100		
42	13.7	11.4	17.0
71	36.3	29.8	44.6

Manual Integrations
APPROVED

mohammad
2/21/2020 2:19:13 PM



#21

Naphthalene-d8

Concen: 20.000 ng

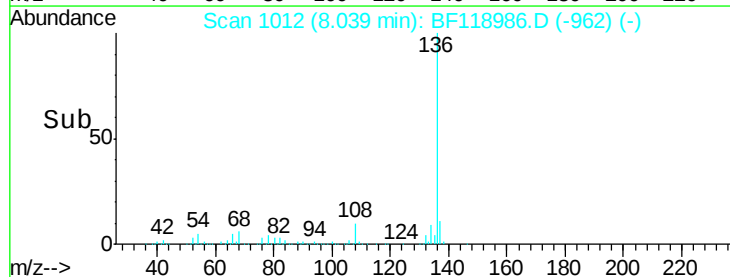
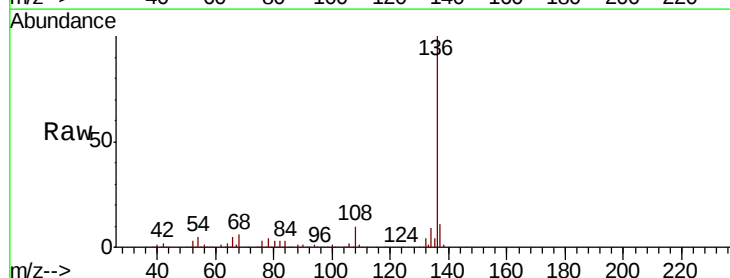
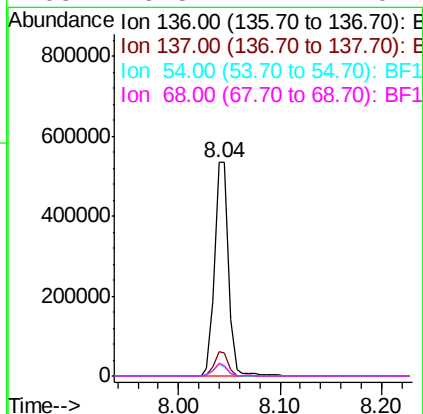
RT: 8.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF118986.D

Acq: 21 Feb 2020 4:20

Tgt Ion:	136	Resp:	519855
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.9	13.3
54	5.4	3.8	5.6
68	5.8	4.2	6.2





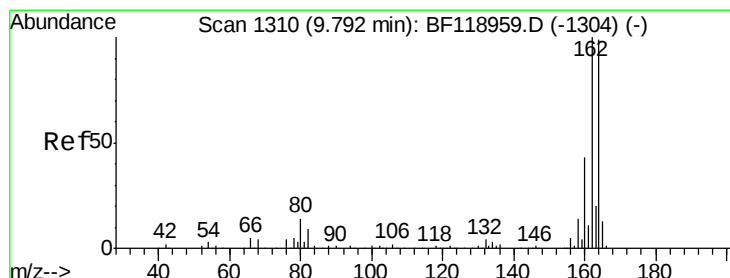
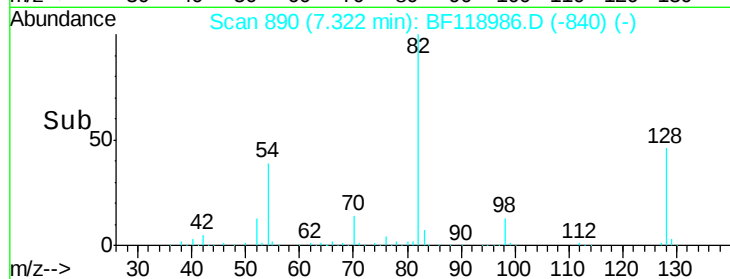
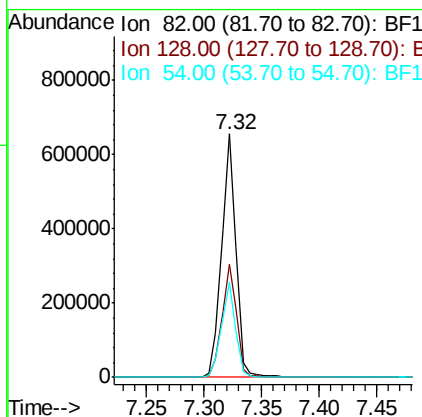
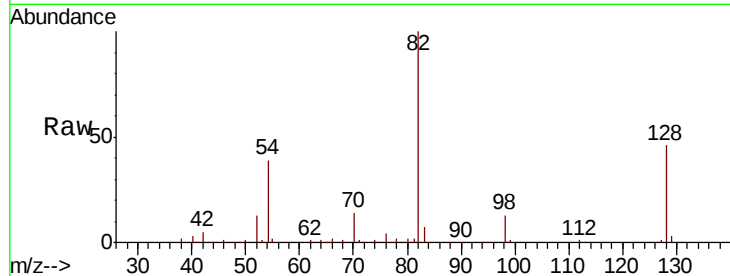
#23
Nitrobenzene-d5
Concen: 58.239 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF118986.D
Acq: 21 Feb 2020 4:20

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	38.2	57.2
54	38.9	31.3	46.9

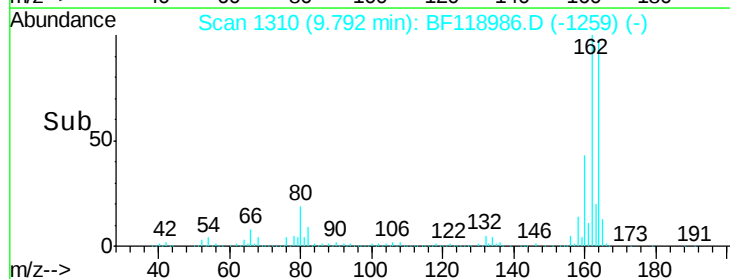
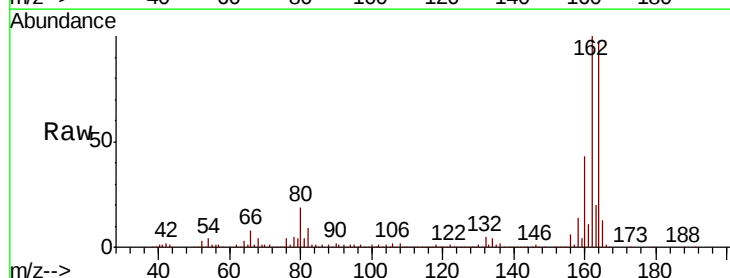
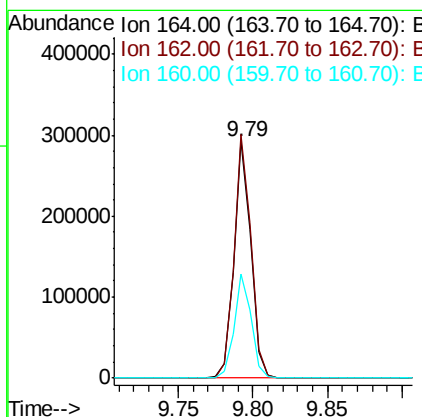
Manual Integrations
APPROVED

mohammad
2/21/2020 2:19:13 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BF118986.D
Acq: 21 Feb 2020 4:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.2	121.8
160	43.9	35.2	52.8





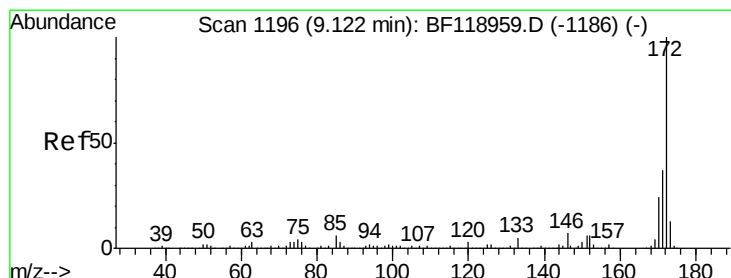
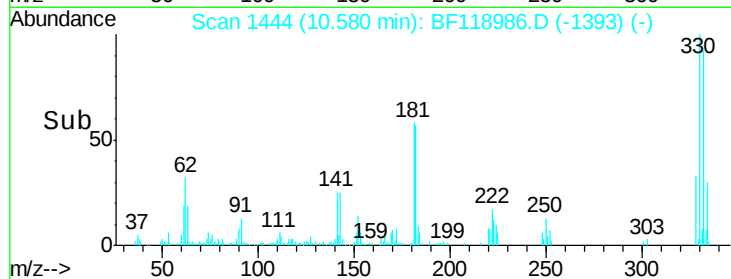
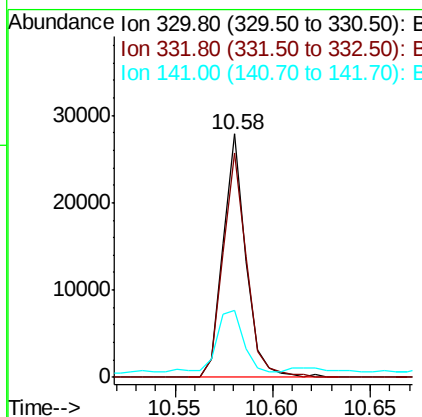
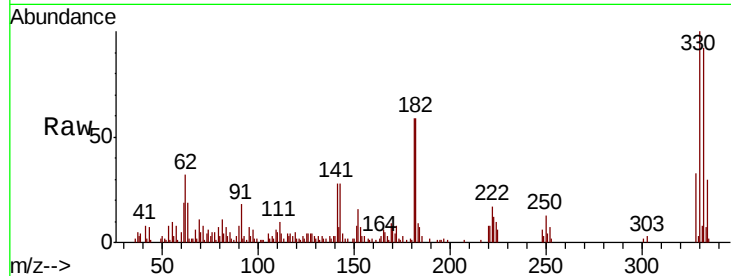
#42
 2,4,6-Tribromophenol
 Concen: 7.321 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BF118986.D
 Acq: 21 Feb 2020 4:20

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-008-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	22543		
332	95.8	77.1	115.7	
141	29.9	23.0	34.6	

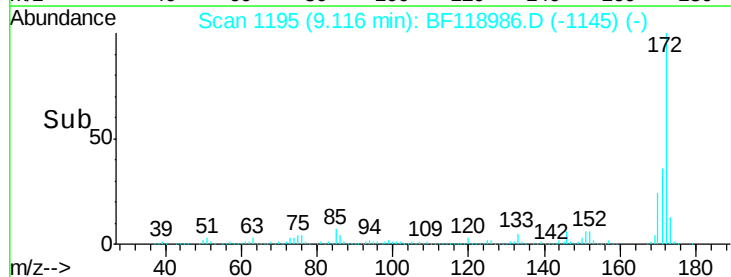
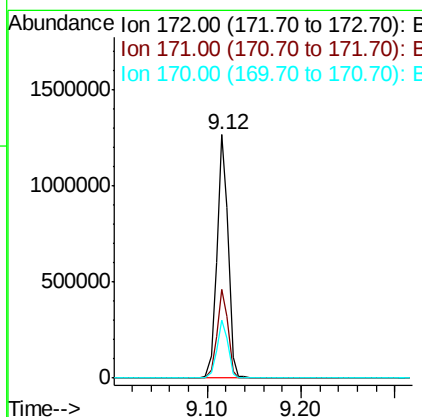
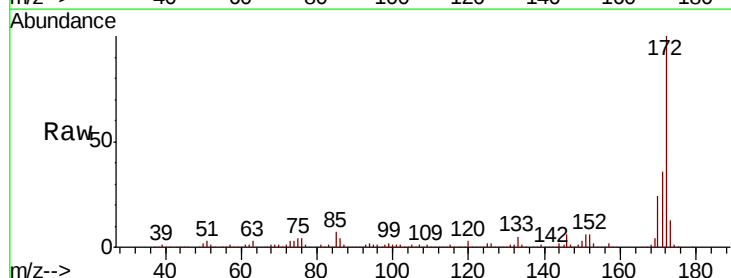
Manual Integrations
 APPROVED

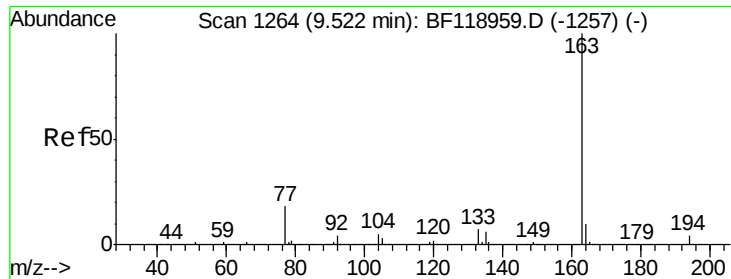
mohammad
 2/21/2020 2:19:13 PM



#45
 2-Fluorobiphenyl
 Concen: 66.992 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF118986.D
 Acq: 21 Feb 2020 4:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1070425		
171	36.5	29.4	44.2	
170	23.8	19.6	29.4	





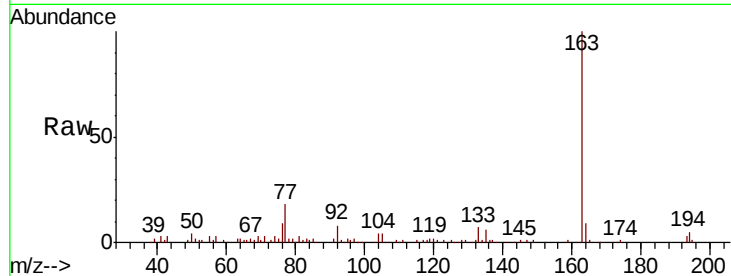
#50
Dimethylphthalate
Concen: 4.314 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.01 min
Lab File: BF118986.D
Acq: 21 Feb 2020 4:20

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-B

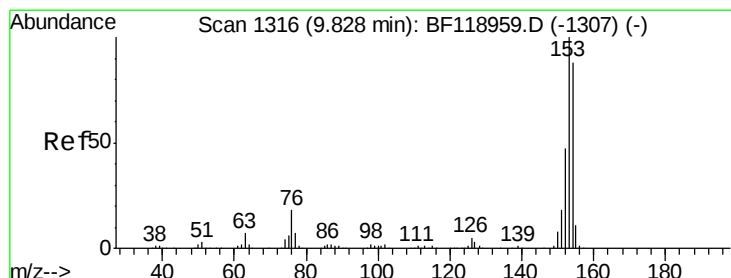
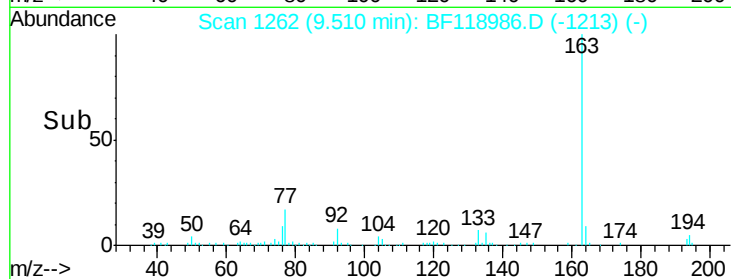
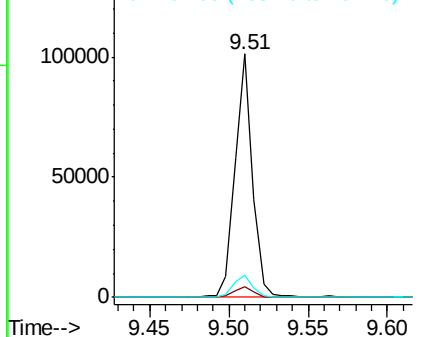
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.5	3.4	5.2
164	9.4	8.2	12.2

Manual Integrations
APPROVED

mohammad
2/21/2020 2:19:13 PM

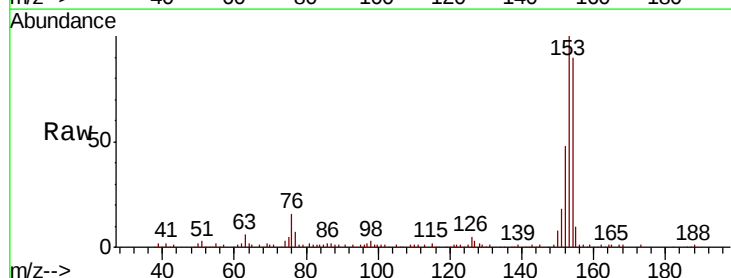


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

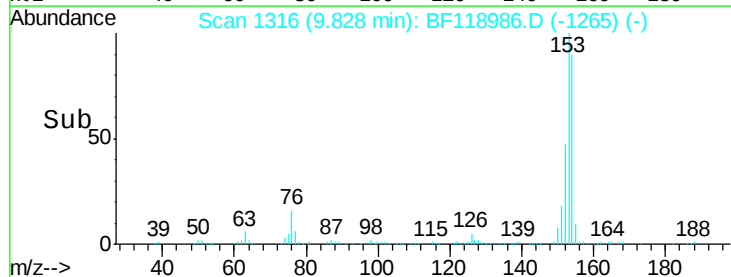
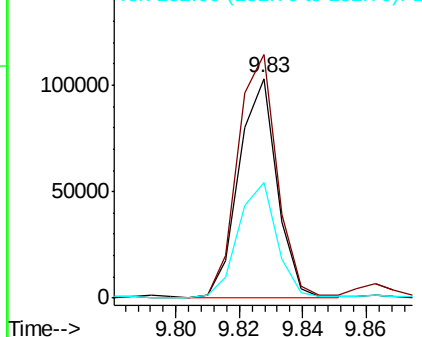


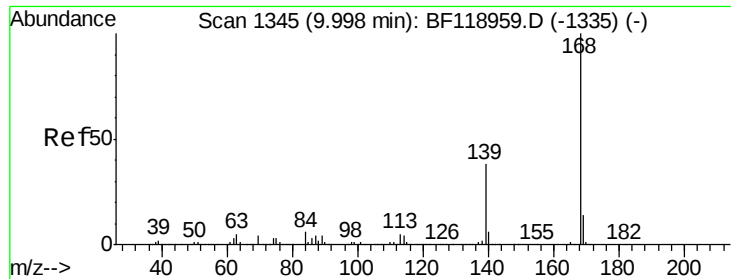
#52
Acenaphthene
Concen: 6.378 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BF118986.D
Acq: 21 Feb 2020 4:20

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	111.0	90.4	135.6
152	53.0	42.9	64.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#55

Dibenzenofuran

Concen: 3.117 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF118986.D

Acq: 21 Feb 2020 4:20

Instrument :

BNA_F

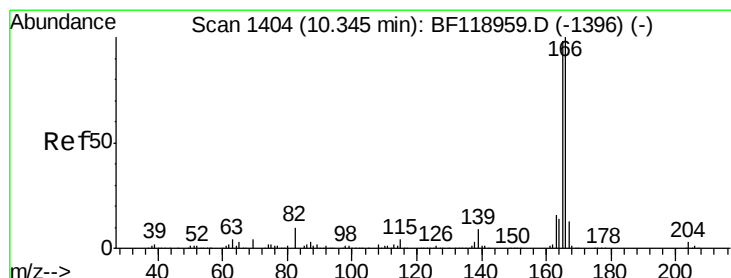
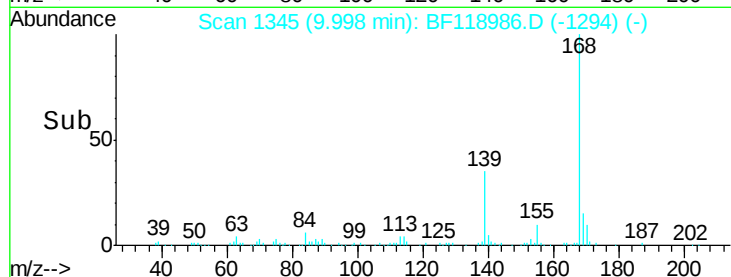
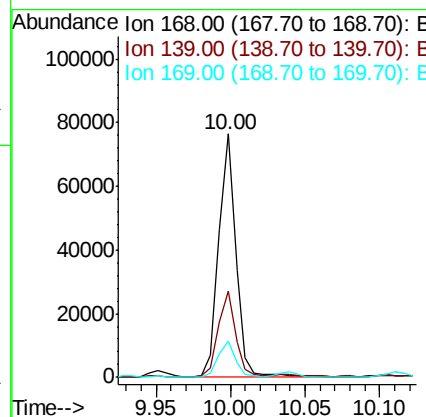
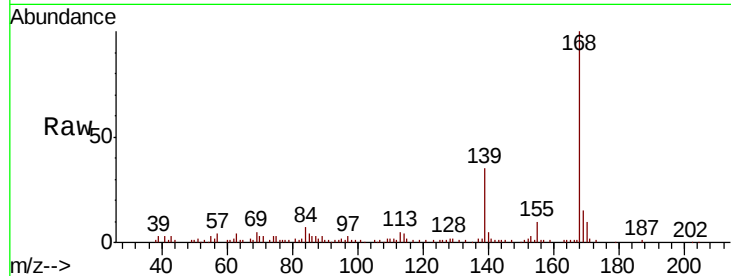
ClientSampleId :

FK-SF-01-008-B

Tot Ion:	168	Resp:	62117
Ion Ratio	Lower	Upper	
168	100		
139	35.2	31.7	47.5
169	14.8	11.0	16.4

Manual Integrations
APPROVED

mohammad
2/21/2020 2:19:13 PM



#58

Fluorene

Concen: 6.611 ng

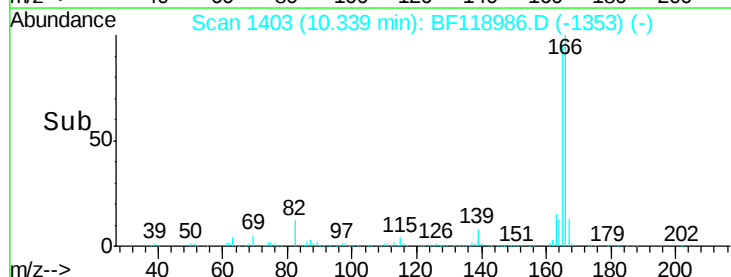
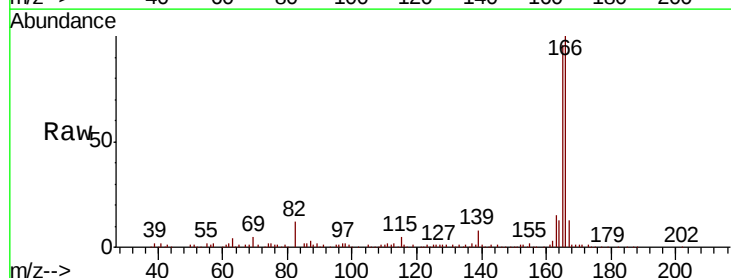
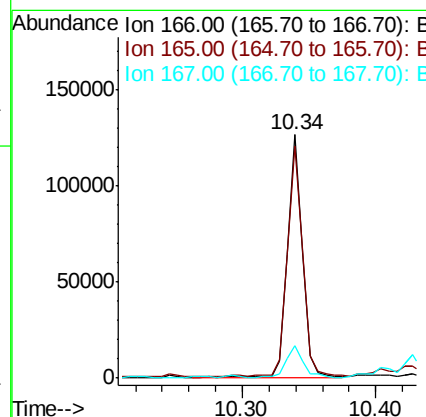
RT: 10.34 min Scan# 1403

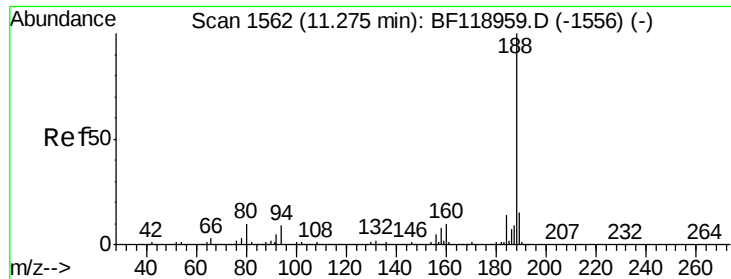
Delta R.T. -0.01 min

Lab File: BF118986.D

Acq: 21 Feb 2020 4:20

Tgt Ion:	166	Resp:	102378
Ion Ratio	Lower	Upper	
166	100		
165	95.6	78.2	117.4
167	13.5	10.6	16.0





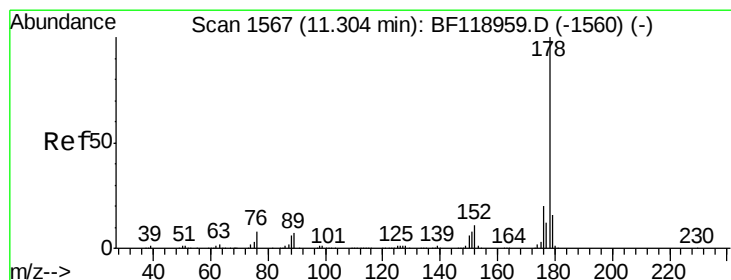
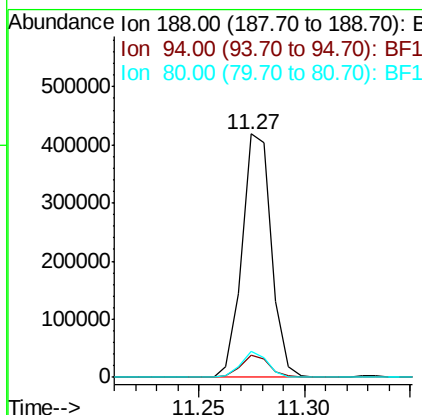
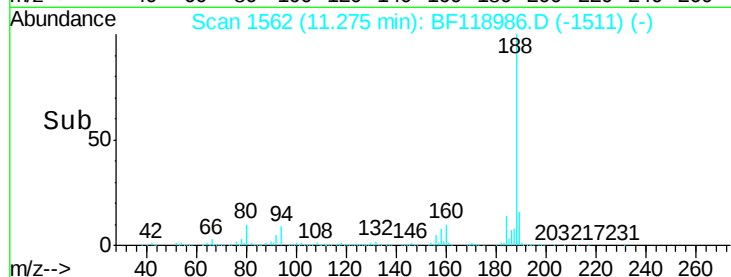
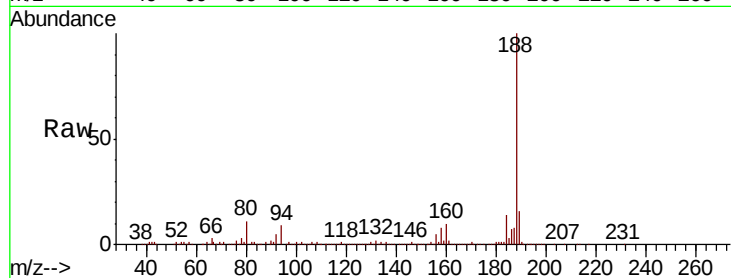
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF118986.D
Acq: 21 Feb 2020 4:20

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	402209		
94	9.1		7.0	10.6
80	10.6		7.9	11.9

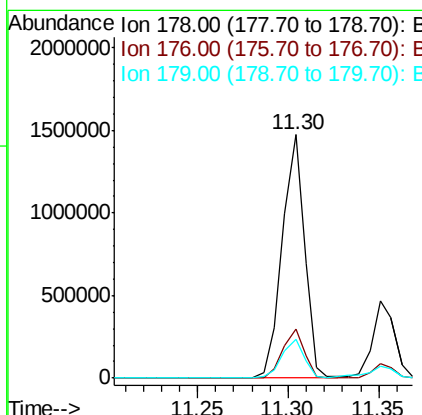
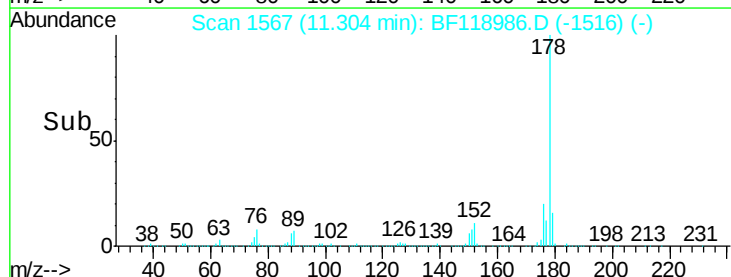
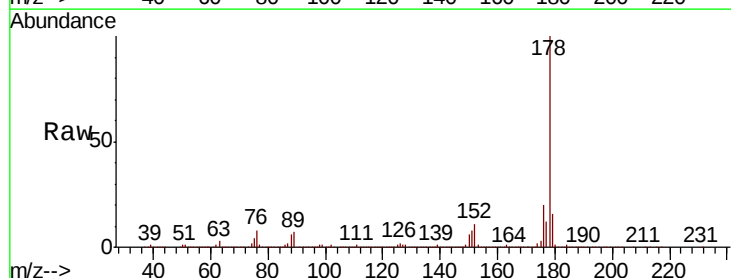
Manual Integrations
APPROVED

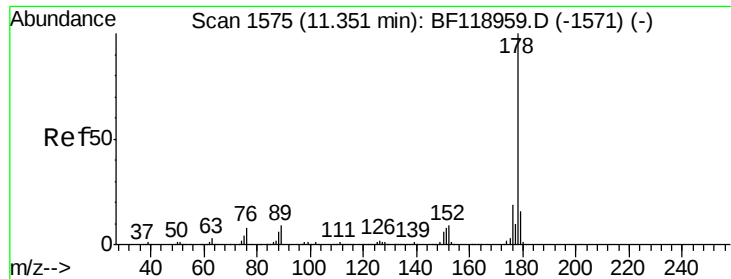
mohammad
2/21/2020 2:19:13 PM



#71
Phenanthrene
Concen: 57.762 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.00 min
Lab File: BF118986.D
Acq: 21 Feb 2020 4:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1266984		
176	19.9		15.6	23.4
179	15.9		12.6	18.8





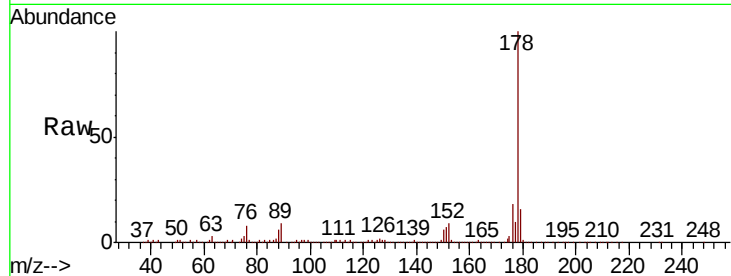
#72
 Anthracene
 Concen: 17.586 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: BF118986.D
 Acq: 21 Feb 2020 4:20

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-008-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.9	12.8	19.2

Manual Integrations
 APPROVED

mohammad
 2/21/2020 2:19:13 PM

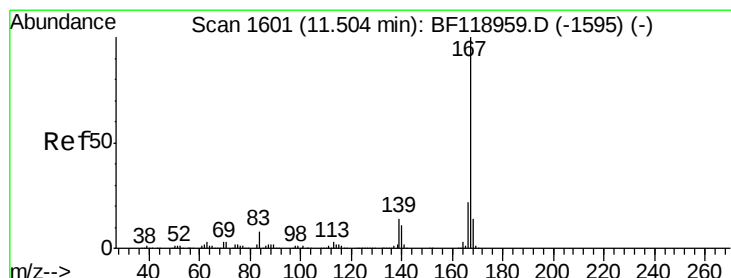
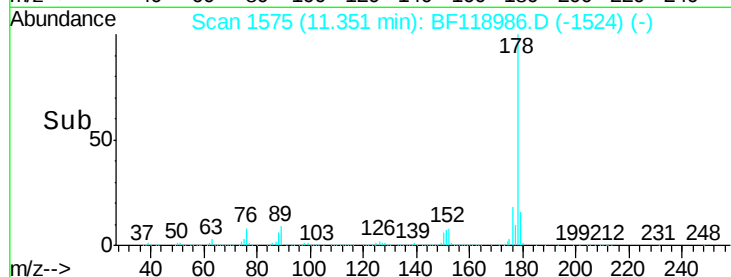
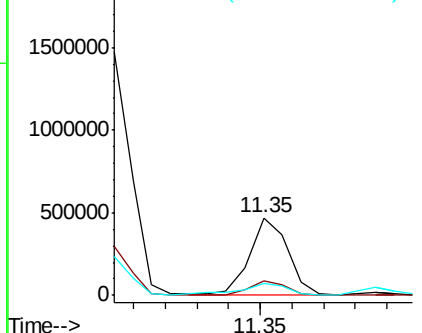


Abundance

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



#73
 Carbazole
 Concen: 9.356 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: BF118986.D
 Acq: 21 Feb 2020 4:20

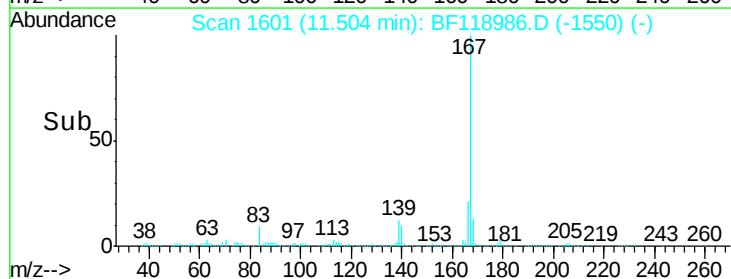
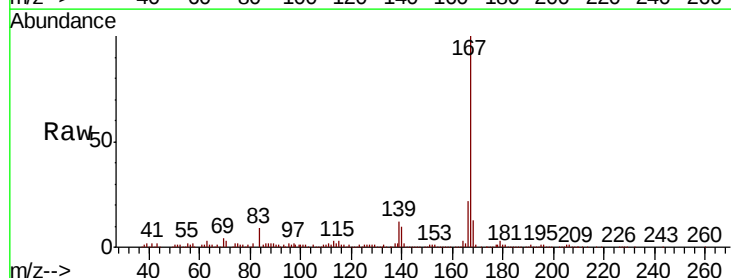
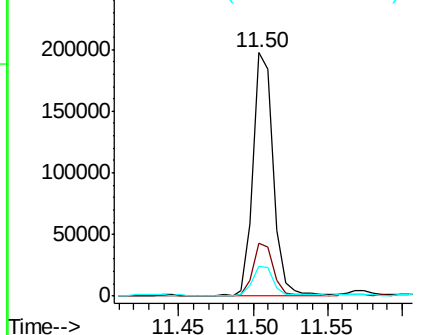
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.8	26.6
139	12.4	11.2	16.8

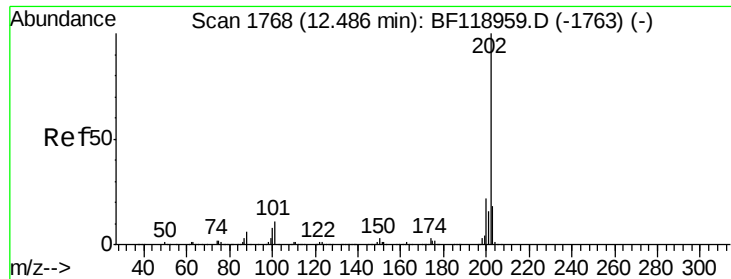
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 69.495 ng

RT: 12.49 min Scan# 1769

Delta R.T. 0.01 min

Lab File: BF118986.D

Acq: 21 Feb 2020 4:20

Instrument :

BNA_F

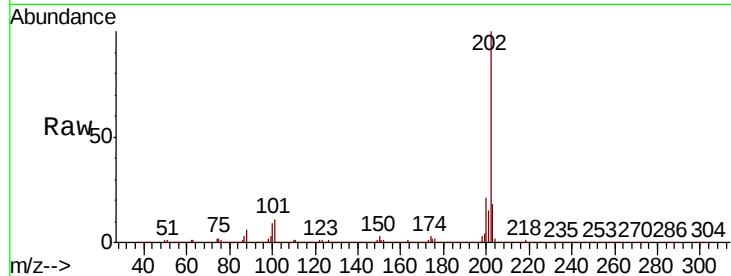
ClientSampleId :

FK-SF-01-008-B

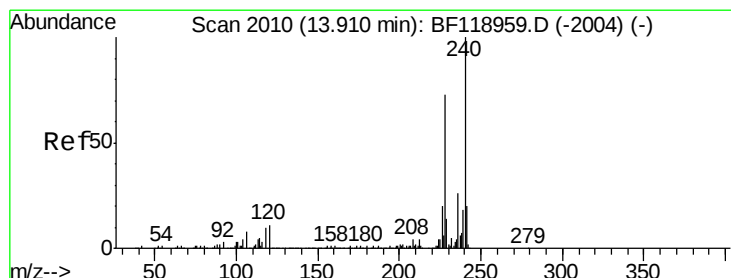
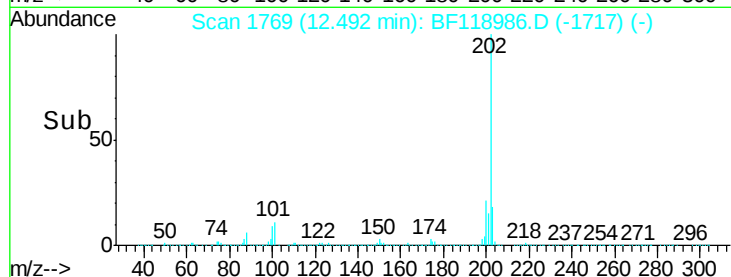
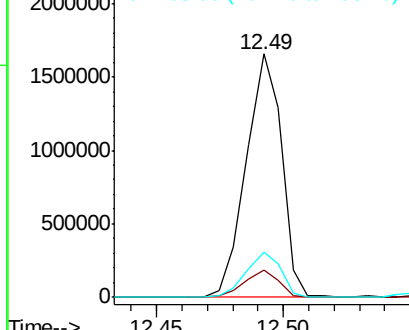
Tot Ion:	202	Resp:	1618042
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.1
203	18.5	0.0	38.1

Manual Integrations
APPROVED

mohammad
2/21/2020 2:19:13 PM



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

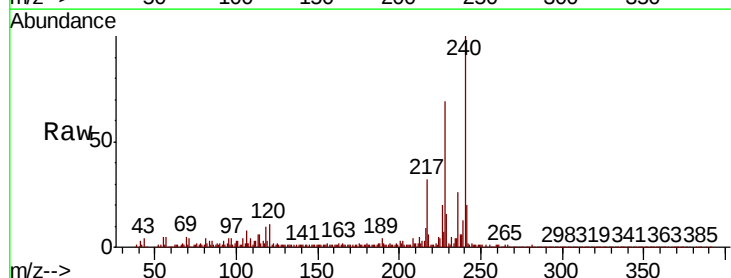
RT: 13.92 min Scan# 2011

Delta R.T. 0.01 min

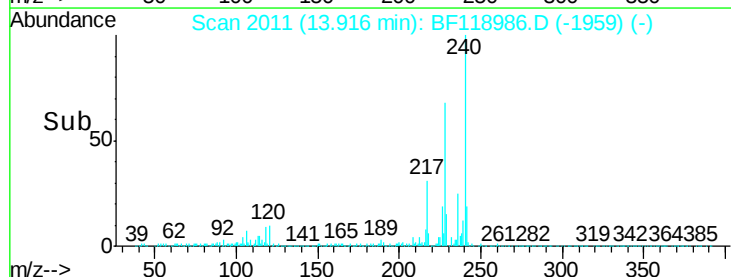
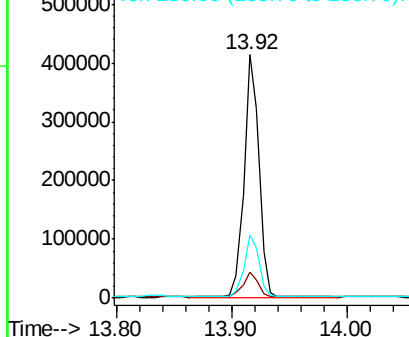
Lab File: BF118986.D

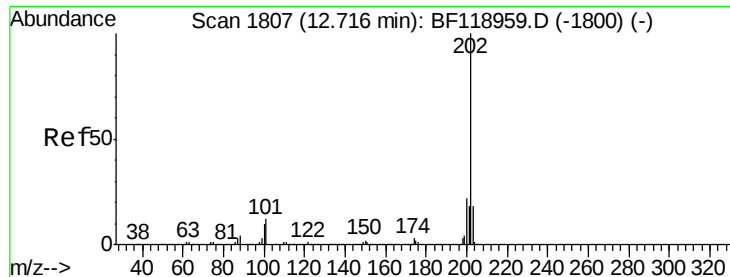
Acq: 21 Feb 2020 4:20

Tgt Ion:	240	Resp:	368638
Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	25.9	20.6	30.8



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





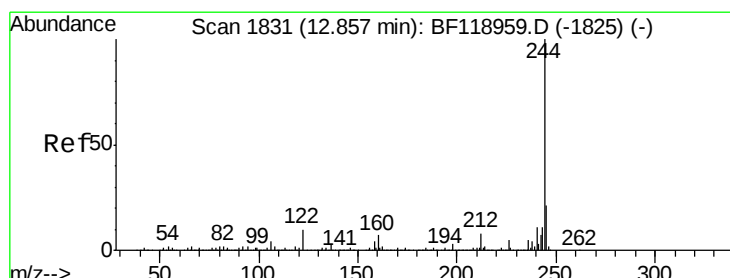
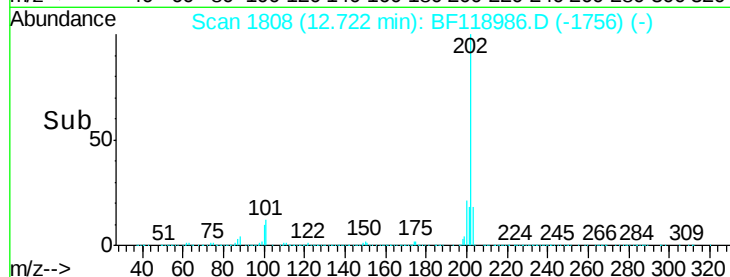
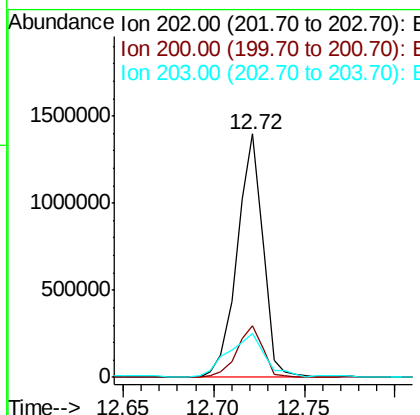
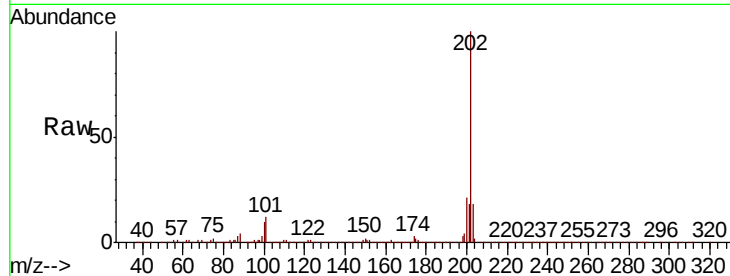
#78
Pvrene
Concen: 46.306 ng
RT: 12.72 min Scan# 1808
Delta R.T. 0.01 min
Lab File: BF118986.D
Acq: 21 Feb 2020 4:20

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-B

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.0
203	18.2	14.5	21.7

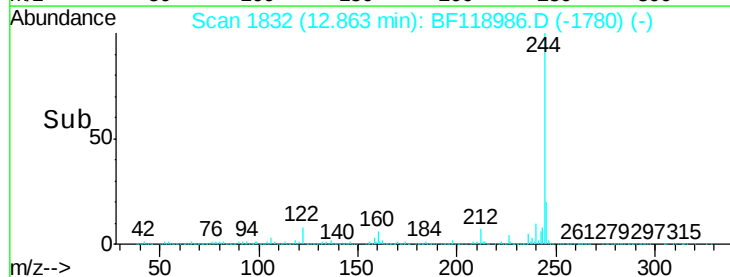
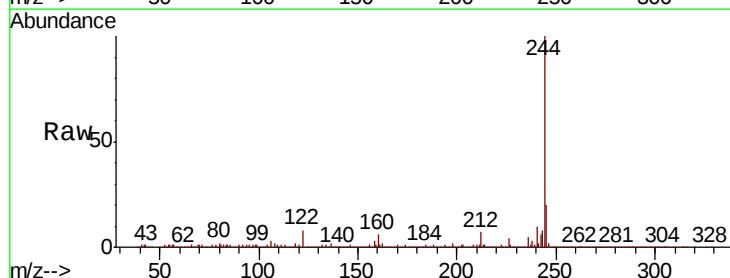
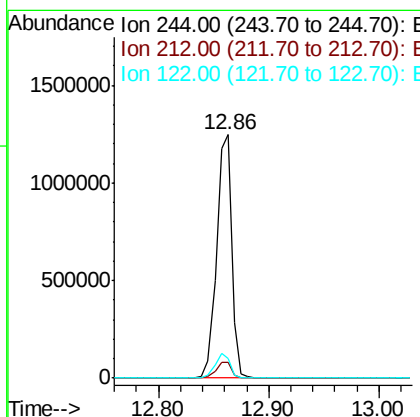
Manual Integrations
APPROVED

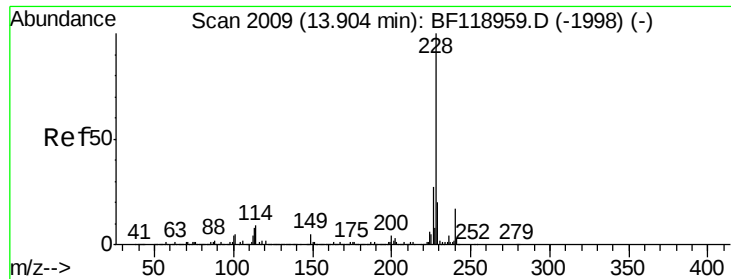
mohammad
2/21/2020 2:19:13 PM



#79
Terphenyl-d14
Concen: 55.096 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF118986.D
Acq: 21 Feb 2020 4:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.3	9.5
122	8.2	8.4	12.6#





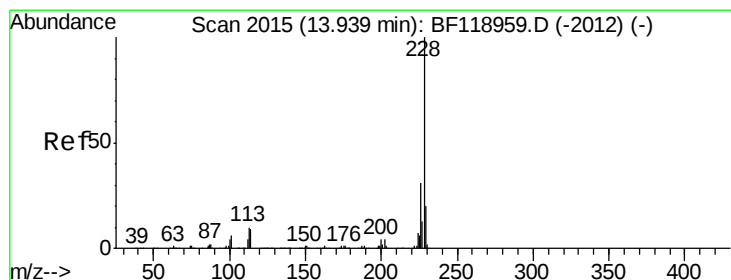
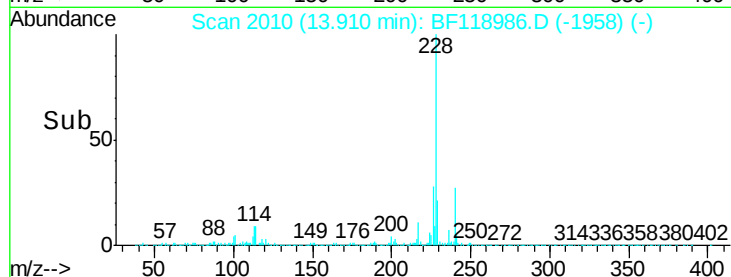
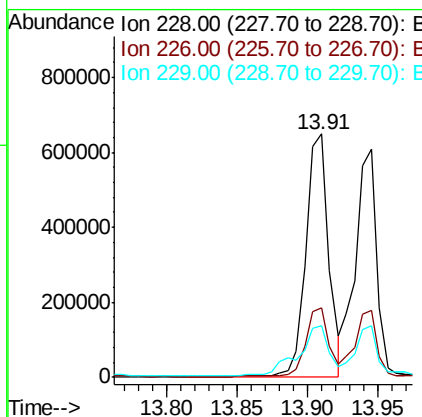
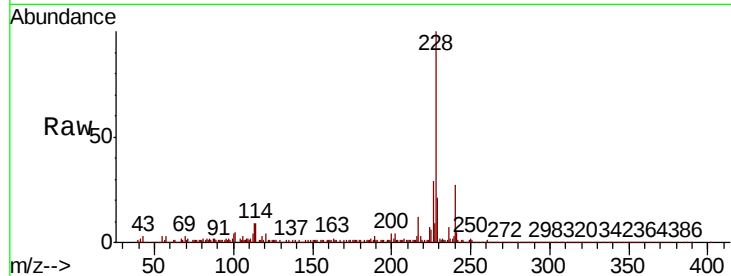
#81
Benzo(a)anthracene
Concen: 28.806 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF118986.D
Acq: 21 Feb 2020 4:20

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.8	32.8
229	21.2	16.0	24.0

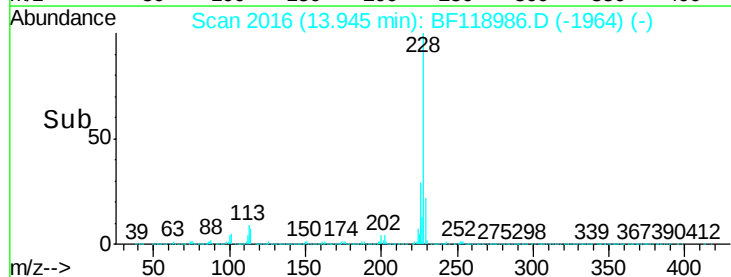
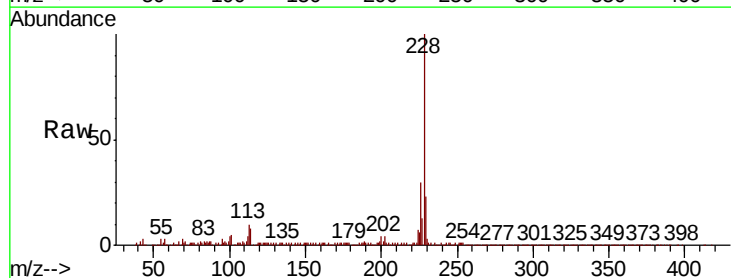
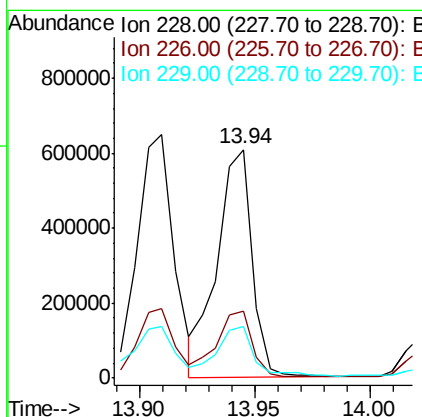
Manual Integrations
APPROVED

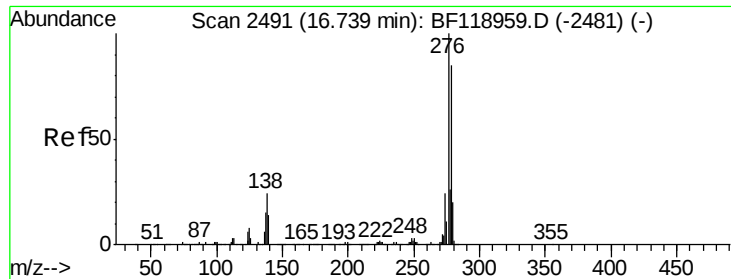
mohammad
2/21/2020 2:19:13 PM



#83
Chrysene
Concen: 25.531 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.01 min
Lab File: BF118986.D
Acq: 21 Feb 2020 4:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.6	37.0
229	22.6	16.2	24.2





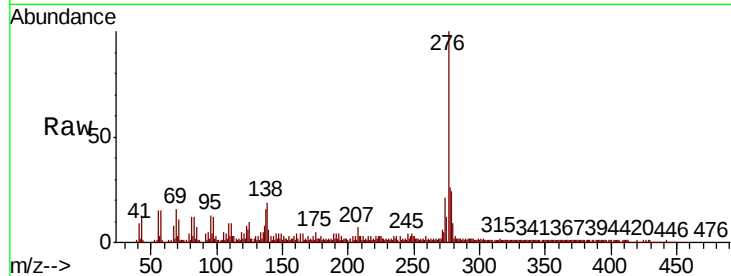
#86
Indeno(1,2,3-cd)pyrene
Concen: 10.259 ng
RT: 16.76 min Scan# 2495
Delta R.T. 0.02 min
Lab File: BF118986.D
Acq: 21 Feb 2020 4:20

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-B

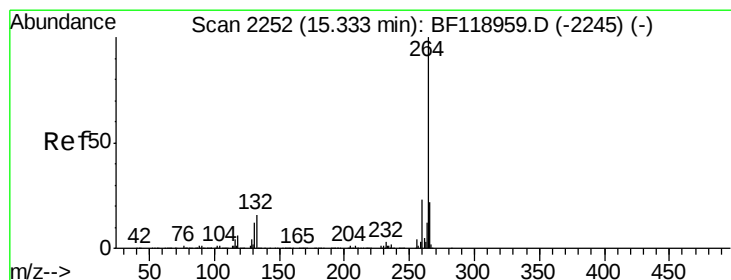
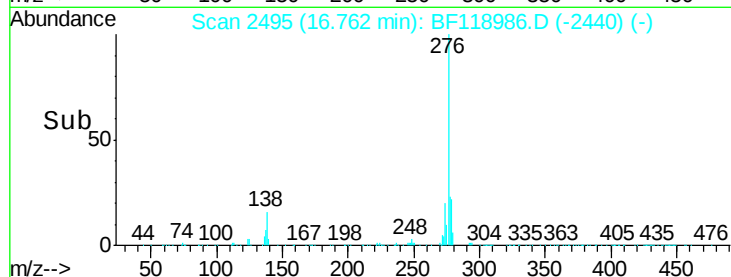
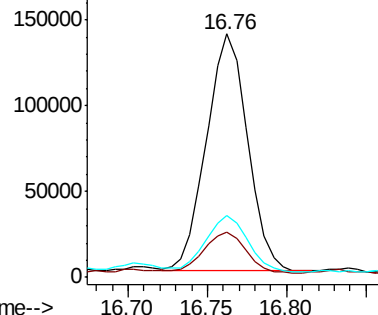
Tot Ion	Ratio	Lower	Upper
276	100		
138	17.9	18.7	28.1#
277	24.4	20.3	30.5

Manual Integrations
APPROVED

mohammad
2/21/2020 2:19:13 PM



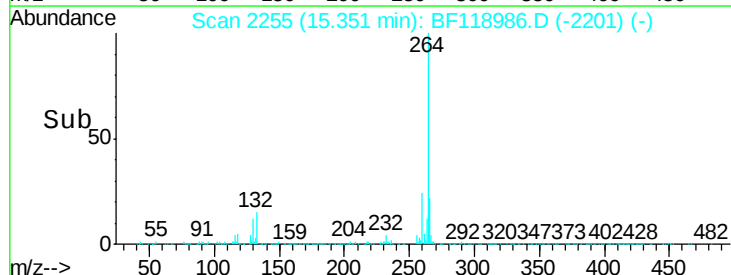
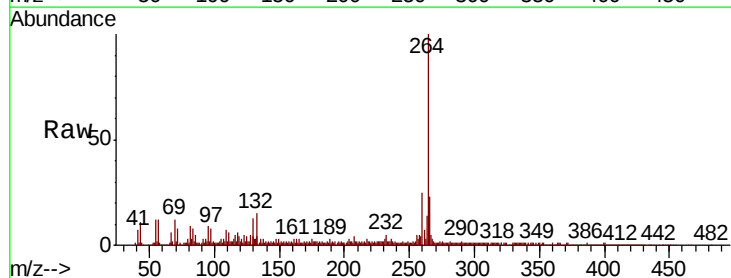
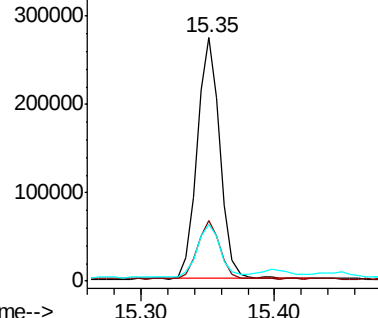
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

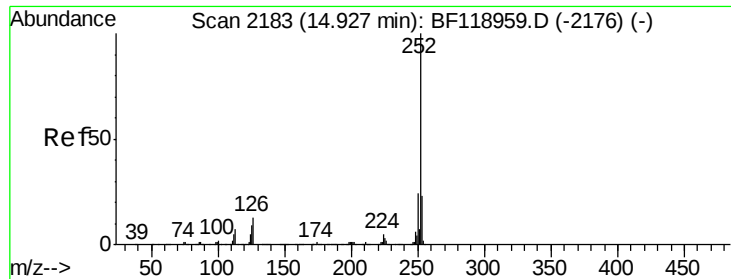


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.02 min
Lab File: BF118986.D
Acq: 21 Feb 2020 4:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.6	28.0
265	23.4	17.3	25.9

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: 32.609 ng m

RT: 14.94 min Scan# 2186

Delta R.T. 0.02 min

Lab File: BF118986.D

Acq: 21 Feb 2020 4:20

Instrument :

BNA_F

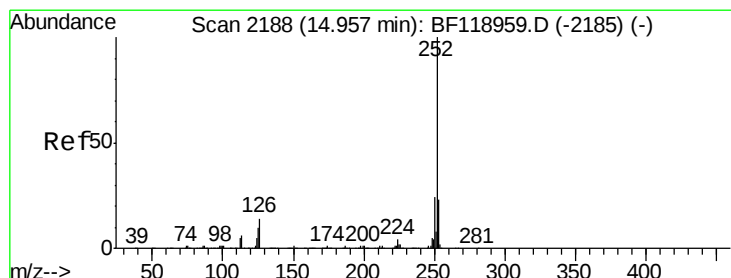
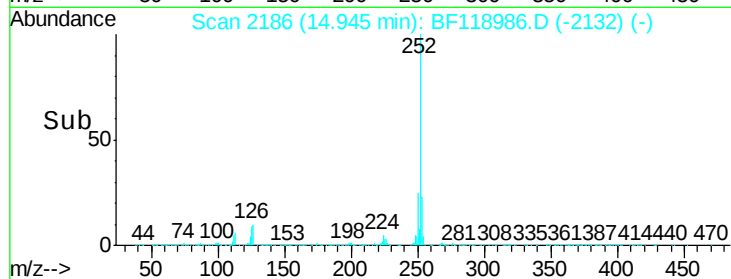
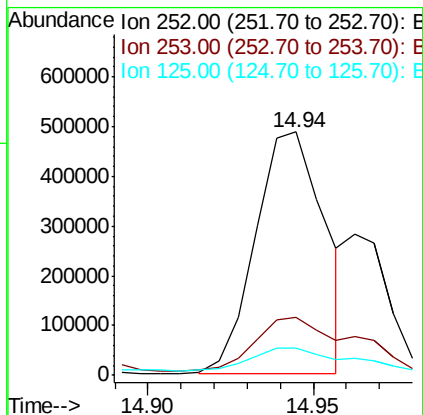
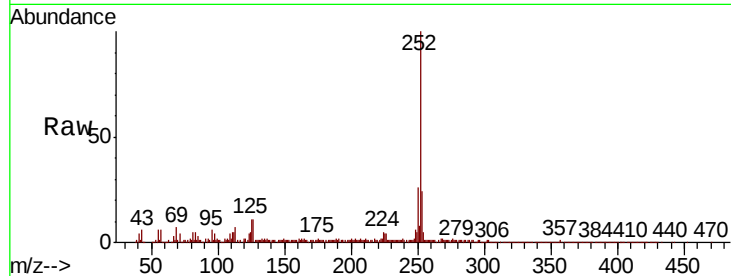
ClientSampleId :

FK-SF-01-008-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	11.4	7.4	11.0#

Manual Integrations
APPROVED

mohammad
2/21/2020 2:19:13 PM



#89

Benzo(k)fluoranthene

Concen: 12.385 ng m

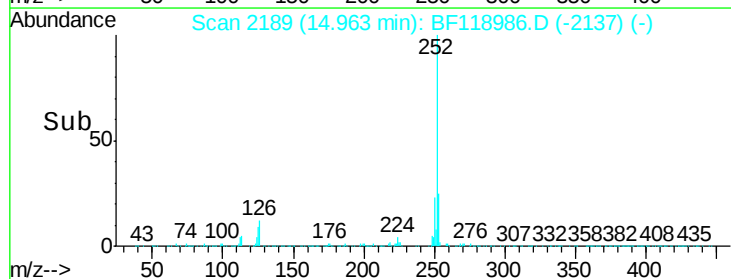
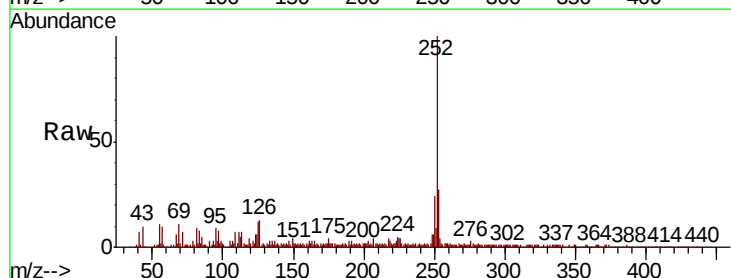
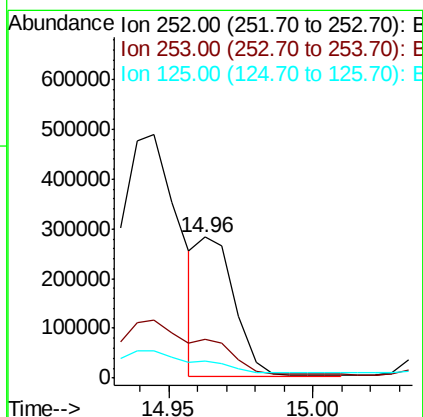
RT: 14.96 min Scan# 2189

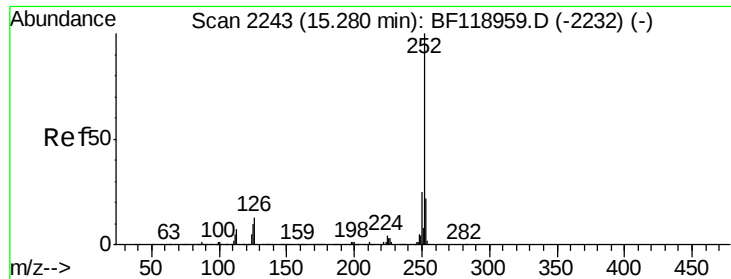
Delta R.T. 0.01 min

Lab File: BF118986.D

Acq: 21 Feb 2020 4:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.9	26.9#
125	12.3	7.3	10.9#





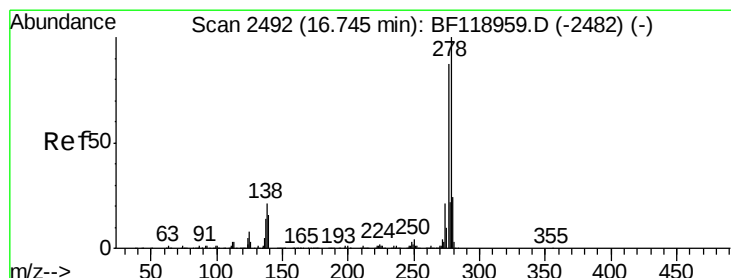
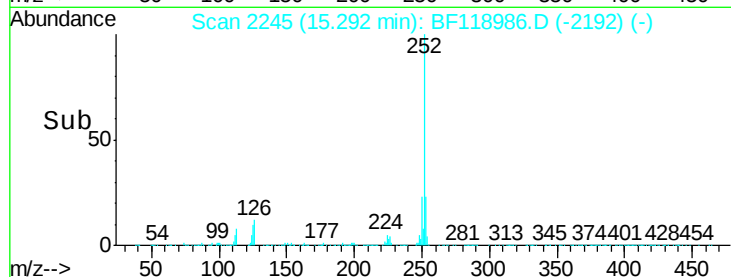
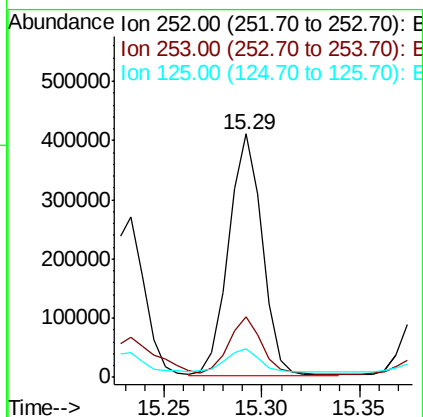
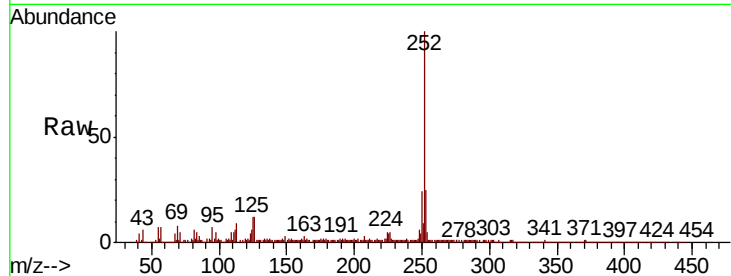
#90
Benzo(a)pyrene
Concen: 24.872 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.01 min
Lab File: BF118986.D
Acq: 21 Feb 2020 4:20

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	11.7	7.8	11.6

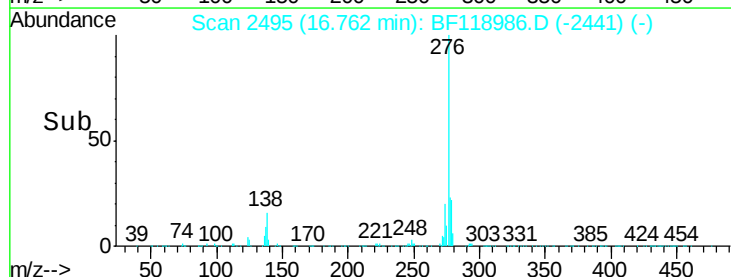
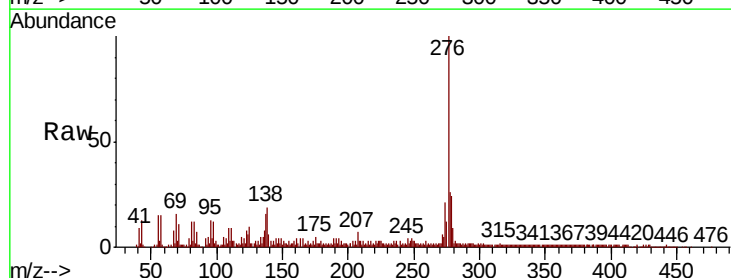
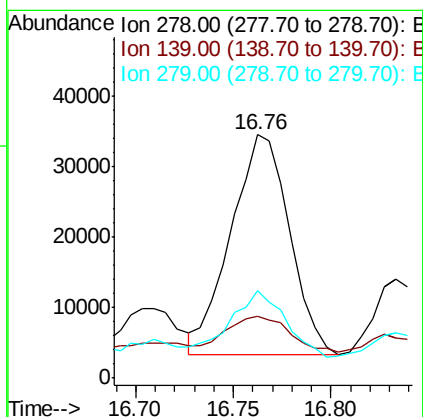
Manual Integrations
APPROVED

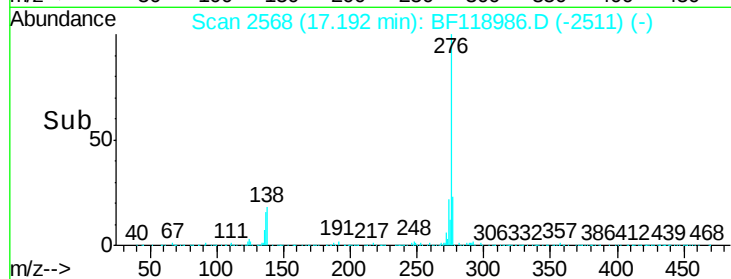
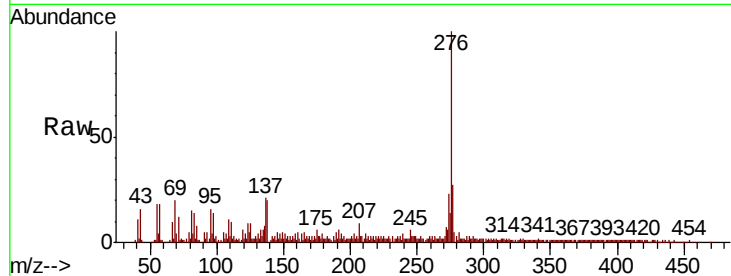
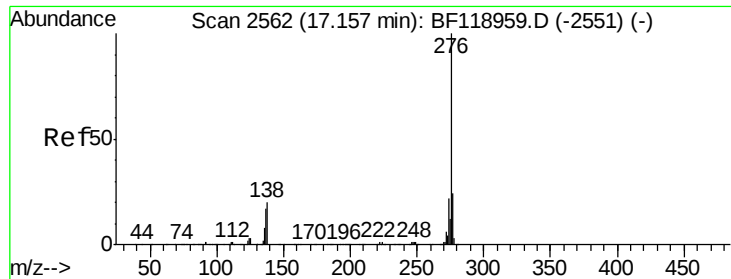
mohammad
2/21/2020 2:19:13 PM



#91
Dibenzo(a,h)anthracene
Concen: 3.749 ng
RT: 16.76 min Scan# 2495
Delta R.T. 0.02 min
Lab File: BF118986.D
Acq: 21 Feb 2020 4:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.4	12.6	18.8
279	35.7	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 13.471 ng
 RT: 17.19 min Scan# 2568
 Delta R.T. 0.04 min
 Lab File: BF118986.D
 Acq: 21 Feb 2020 4:20

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-008-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.5	19.2	28.8
138	20.1	16.2	24.4

Manual Integrations
 APPROVED

mohammad
 2/21/2020 2:19:13 PM

