

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031820\
 Data File : BF119435.D
 Acq On : 19 Mar 2020 00:49
 Operator : CG/JU
 Sample : L1943-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9A

Manual Integrations
 APPROVED

mohammad
 3/19/2020 2:44:15 PM

Quant Time: Mar 19 08:18:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	362872	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1349129	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	649234	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	1107340	20.00	ng	0.00
76) Chrysene-d12	14.03	240	655162	20.00	ng	0.00
87) Perylene-d12	15.50	264	696668	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	2102002	92.21	ng	0.01
7) Phenol-d6	6.47	99	2640333	90.67	ng	0.00
23) Nitrobenzene-d5	7.42	82	1635733	65.89	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	584973	87.34	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2787253	63.60	ng	0.00
79) Terphenyl-d14	12.97	244	2369802	70.87	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.61	163	283005	6.137	ng	99
71) Phenanthrene	11.41	178	607608	10.582	ng	97
72) Anthracene	11.46	178	201507	3.453	ng	98
75) Fluoranthene	12.60	202	707753	11.390	ng	97
78) Pyrene	12.83	202	594410	11.055	ng	98
81) Benzo(a)anthracene	14.02	228	241491	5.668	ng	99
83) Chrysene	14.05	228	210157	4.780	ng	100
86) Indeno(1,2,3-cd)pyrene	16.95	276	118323	2.857	ng	94
88) Benzo(b)fluoranthene	15.06	252	255291m	5.486	ng	
89) Benzo(k)fluoranthene	15.09	252	89829m	2.027	ng	
90) Benzo(a)pyrene	15.43	252	200187	4.733	ng	98
92) Benzo(a,h,i)perylene	17.39	276	107449	2.891	ng	97

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

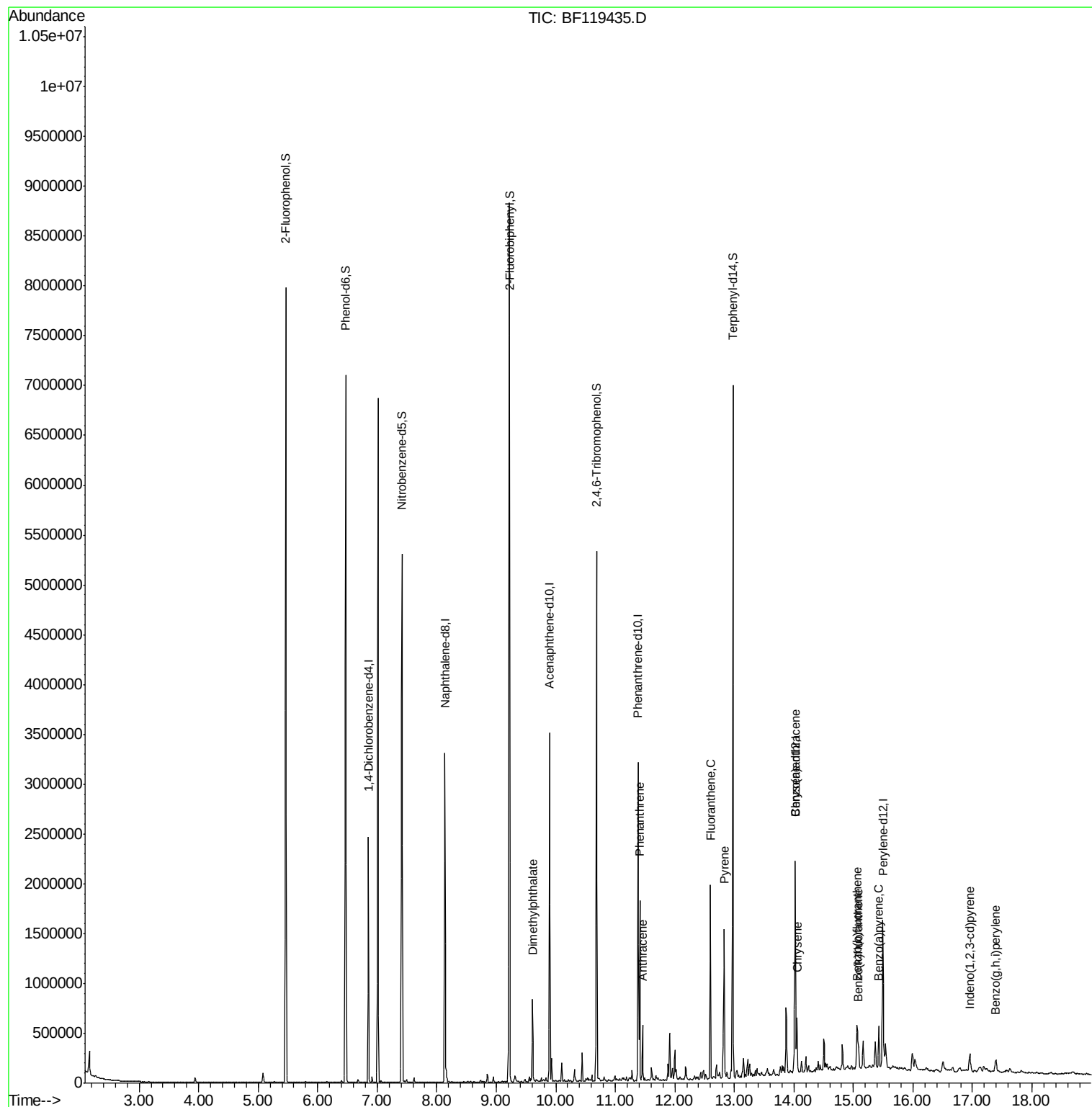
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031820\
Data File : BF119435.D
Acq On : 19 Mar 2020 00:49
Operator : CG/JU
Sample : L1943-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

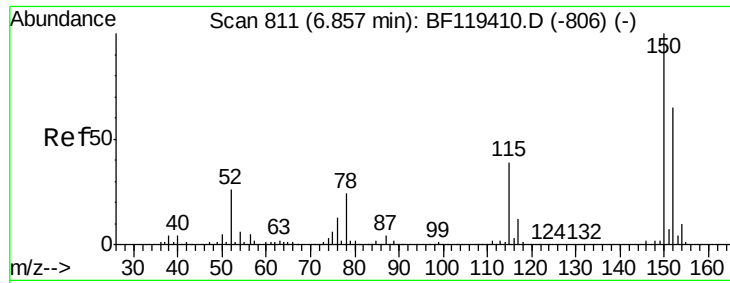
Instrument :
BNA_F
ClientSampled :
TP-9A

Manual Integrations
APPROVED

mohammad
3/19/2020 2:44:15 PM

Quant Time: Mar 19 08:18:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 18 15:11:18 2020
Response via : Initial Calibration





#1

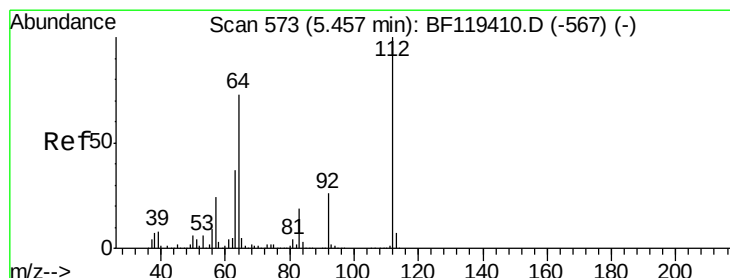
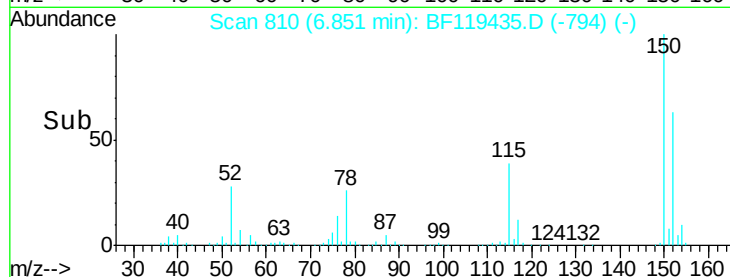
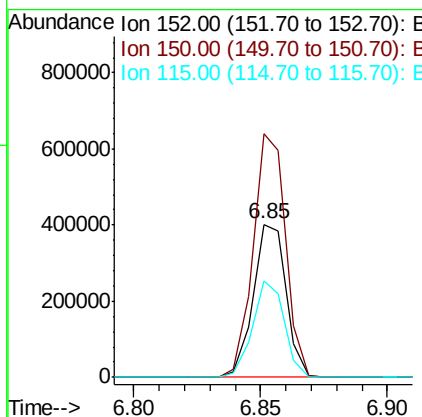
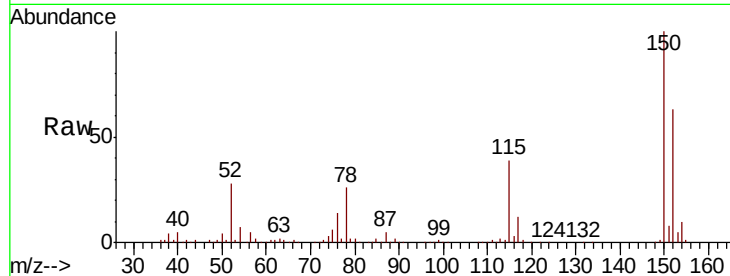
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF119435.D
Acq: 19 Mar 2020 00:49

Instrument :
BNA_F
ClientSampleId :
TP-9A

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	123.9	185.9
115	62.7	47.8	71.6

Manual Integrations
APPROVED

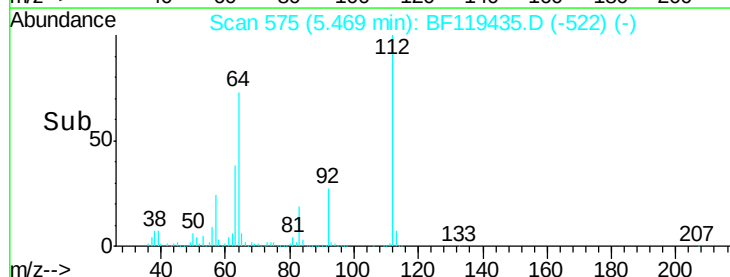
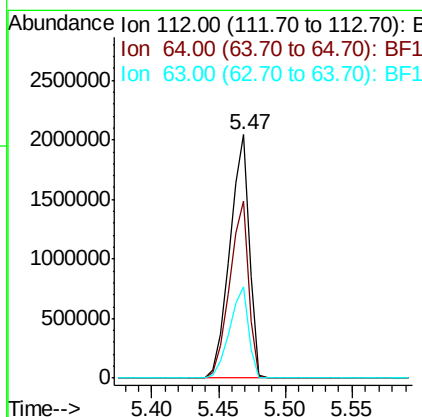
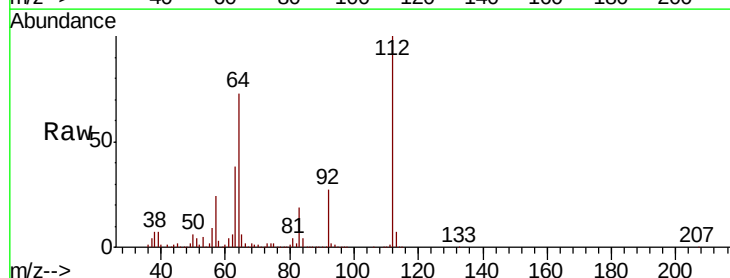
mohammad
3/19/2020 2:44:15 PM

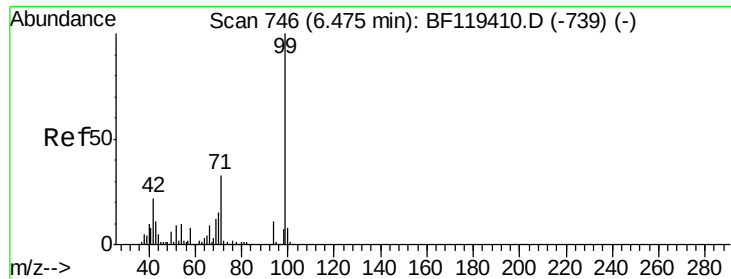


#5

2-Fluorophenol
Concen: 92.214 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF119435.D
Acq: 19 Mar 2020 00:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.9	58.1	87.1
63	37.6	29.7	44.5





#7

Phenol-d6

Concen: 90.675 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF119435.D

Acq: 19 Mar 2020 00:49

Instrument :

BNA_F

ClientSampleId :

TP-9A

Tot Ion: 99 Resp: 2640333

Ion Ratio Lower Upper

99 100

42 21.7 17.8 26.6

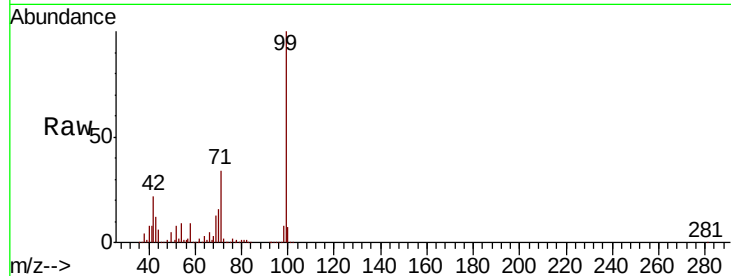
71 33.8 26.0 39.0

Manual Integrations

APPROVED

mohammad

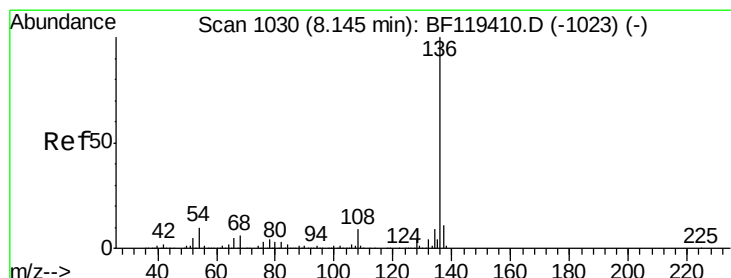
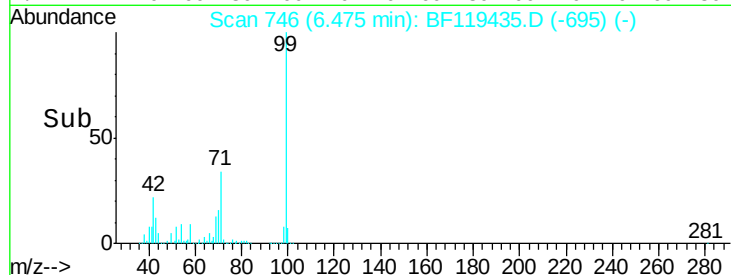
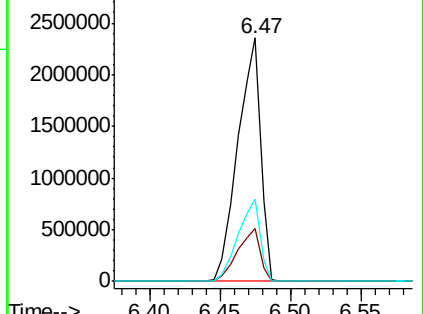
3/19/2020 2:44:15 PM



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: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF119435.D

Acq: 19 Mar 2020 00:49

Tgt Ion: 136 Resp: 1349129

Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 11.0 8.3 12.5

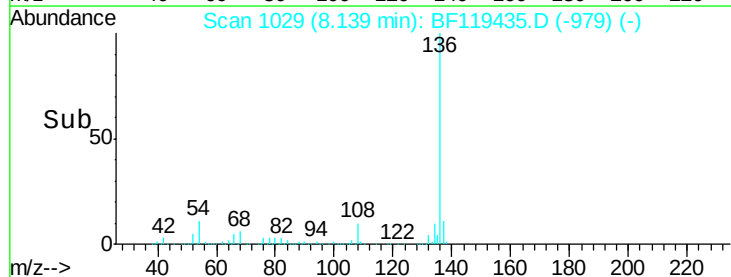
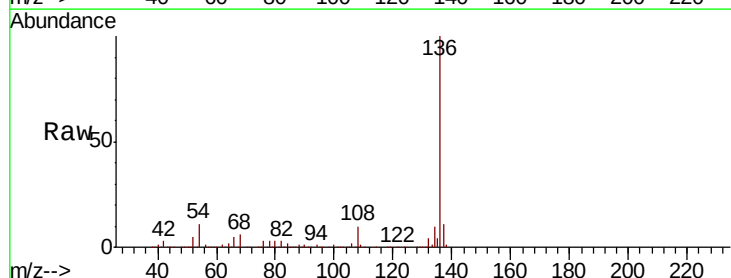
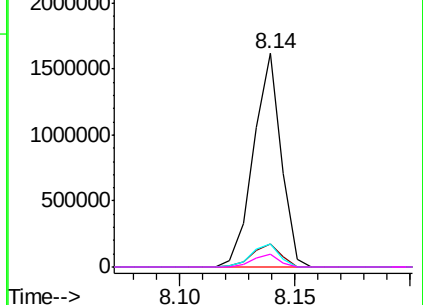
68 6.2 4.9 7.3

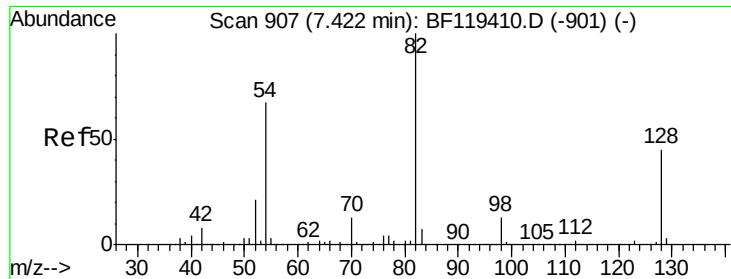
Abundance Ion 136.00 (135.70 to 136.70): E

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





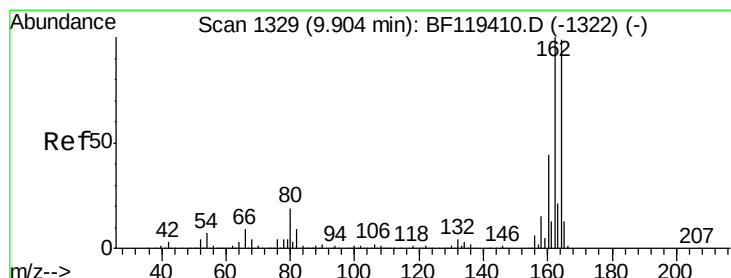
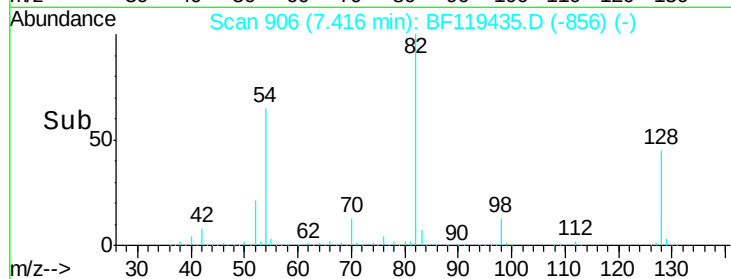
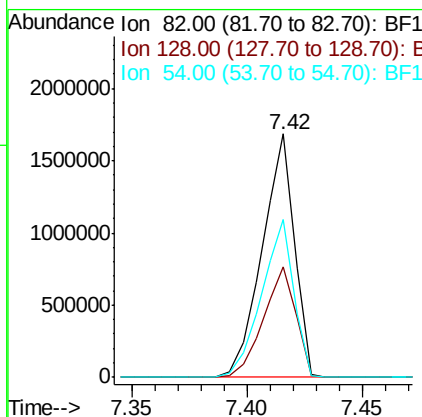
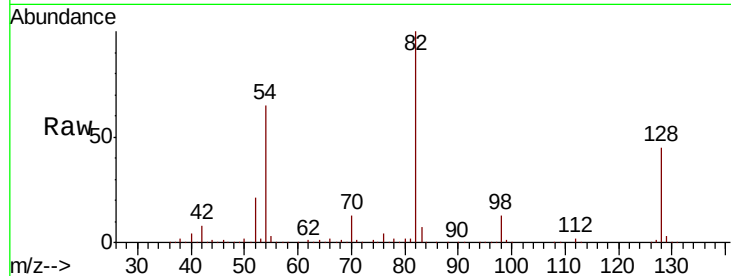
#23
Nitrobenzene-d5
Concen: 65.893 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF119435.D
Acq: 19 Mar 2020 00:49

Instrument :
BNA_F
ClientSampled :
TP-9A

Tot Ion	82	Resp	1635733
Ion Ratio	100	Lower	Upper
128	45.3	35.8	53.8
54	65.0	53.4	80.0

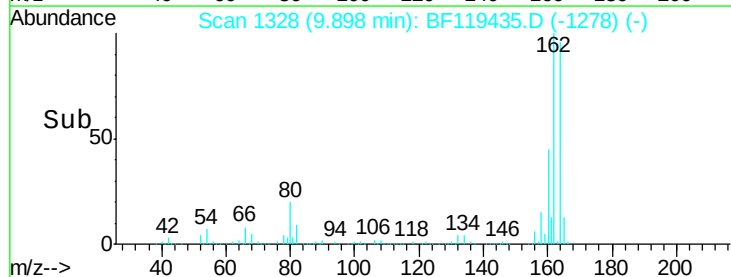
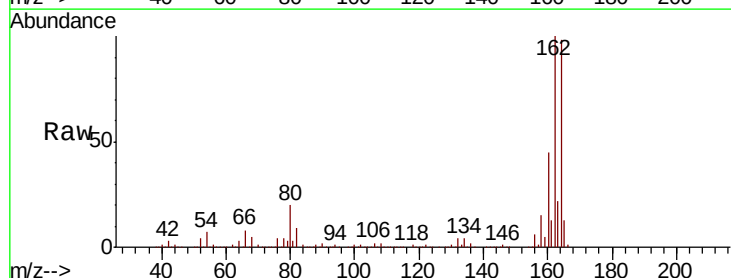
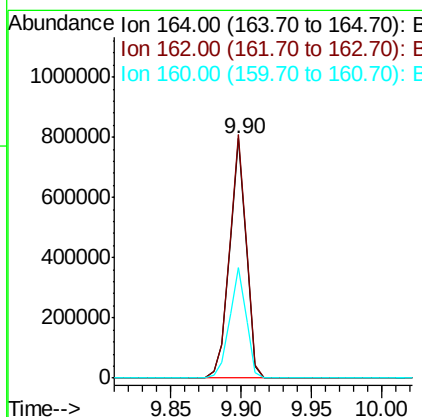
Manual Integrations
APPROVED

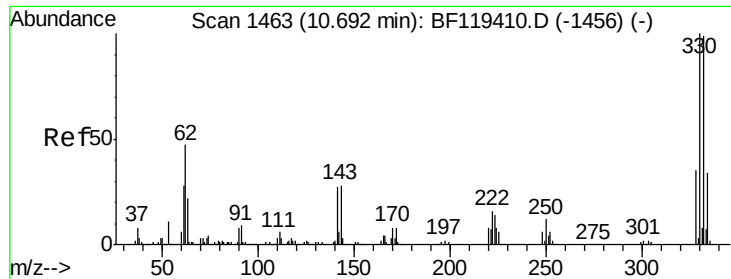
mohammad
3/19/2020 2:44:15 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF119435.D
Acq: 19 Mar 2020 00:49

Tgt Ion	164	Resp	649234
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	101.7	80.7	121.1
160	46.2	35.5	53.3





#42

2,4,6-Tribromophenol

Concen: 87.337 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF119435.D

Acq: 19 Mar 2020 00:49

Instrument :

BNA_F

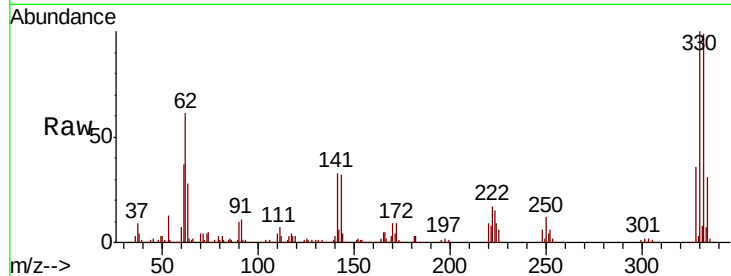
ClientSampled :

TP-9A

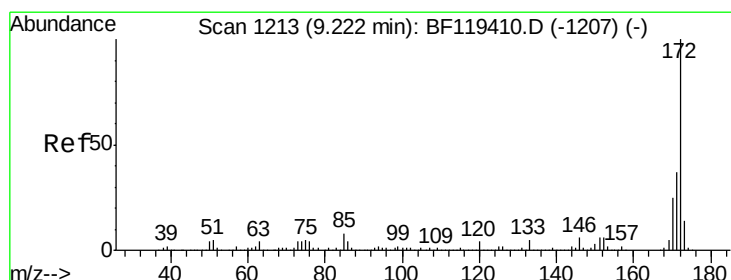
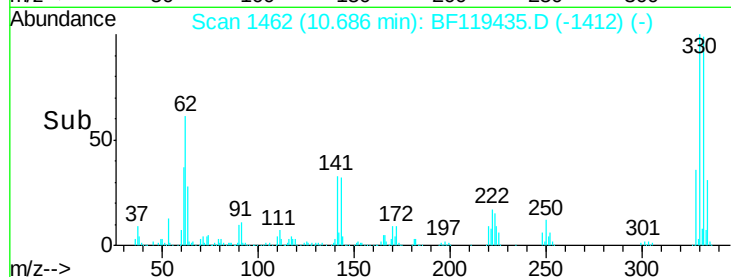
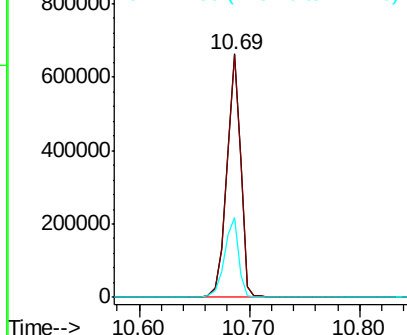
Tot Ion:	330	Resp:	584973
Ion Ratio	Lower	Upper	
330	100		
332	99.4	77.6	116.4
141	33.5	26.6	40.0

Manual Integrations
APPROVED

mohammad
3/19/2020 2:44:15 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: 63.602 ng

RT: 9.22 min Scan# 1213

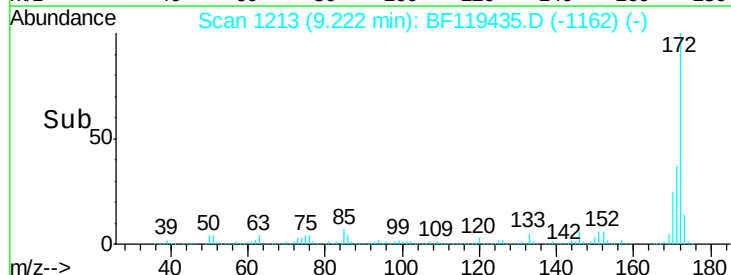
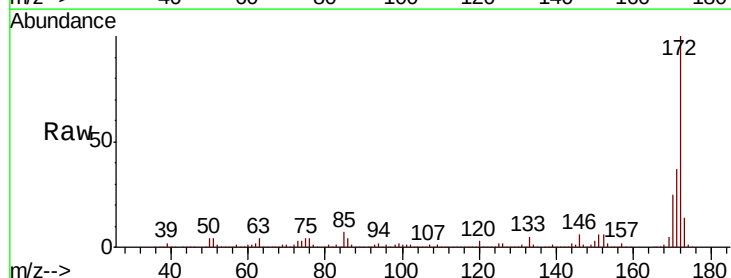
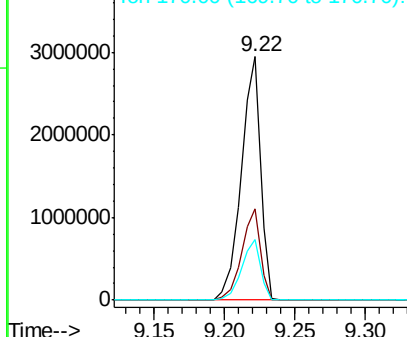
Delta R.T. -0.00 min

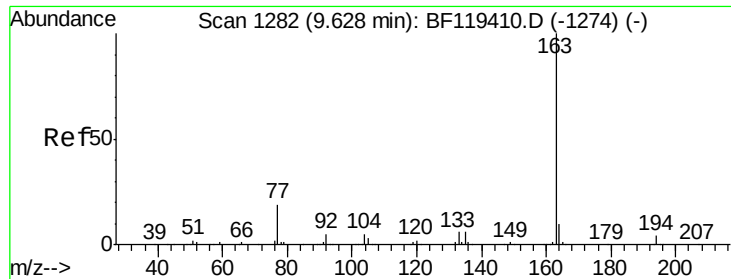
Lab File: BF119435.D

Acq: 19 Mar 2020 00:49

Tgt Ion:	172	Resp:	2787253
Ion Ratio	Lower	Upper	
172	100		
171	37.4	29.9	44.9
170	24.8	20.1	30.1

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





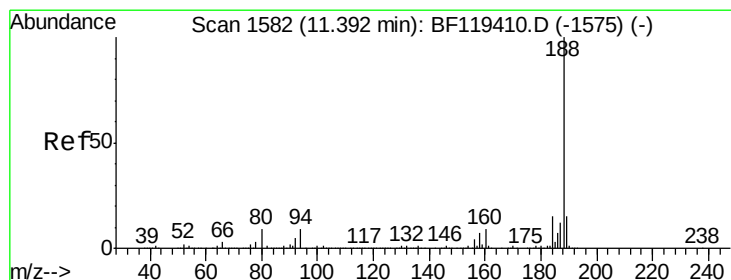
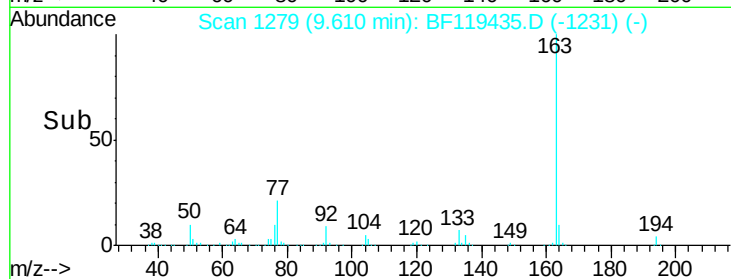
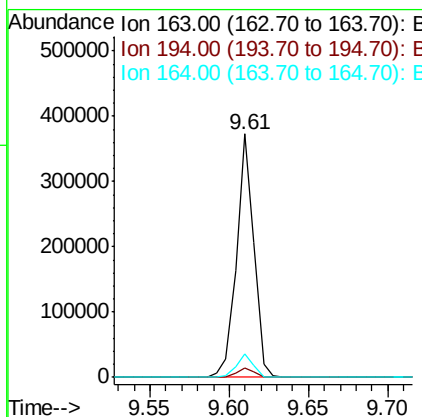
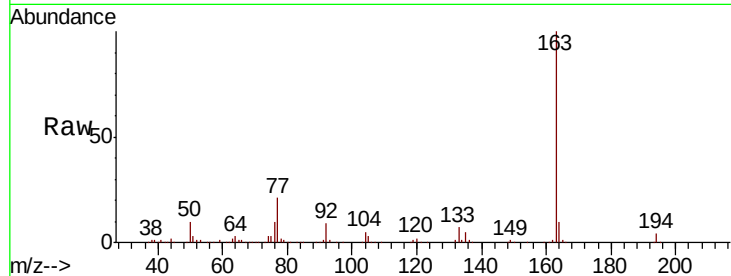
#50
Dimethylphthalate
Concen: 6.137 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF119435.D
Acq: 19 Mar 2020 00:49

Instrument :
BNA_F
ClientSampleId :
TP-9A

Tot Ion	Ratio	Resp	Lower	Upper
163	100	283005		
194	3.6		3.2	4.8
164	9.8		8.1	12.1

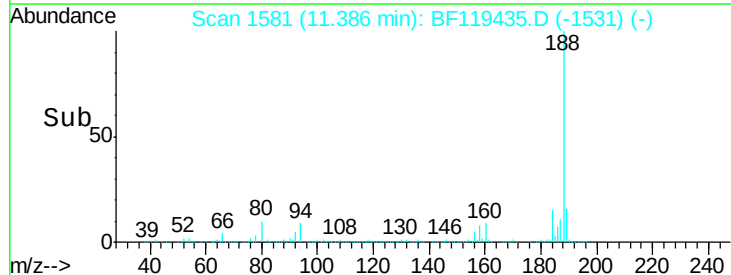
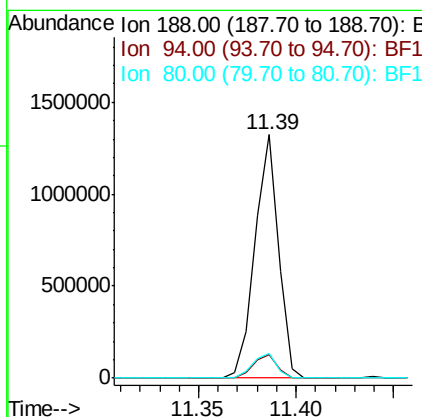
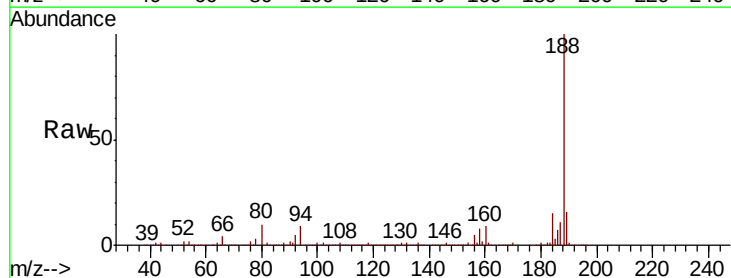
Manual Integrations
APPROVED

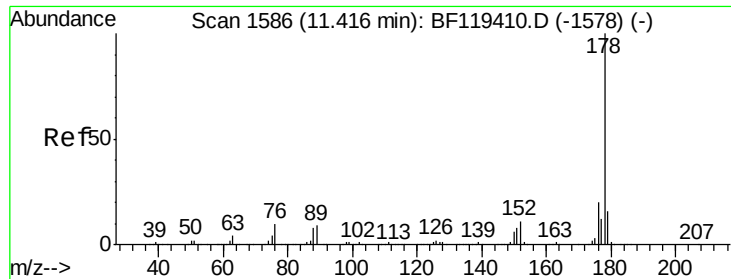
mohammad
3/19/2020 2:44:15 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF119435.D
Acq: 19 Mar 2020 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	1107340		
94	9.4		7.1	10.7
80	10.1		7.5	11.3





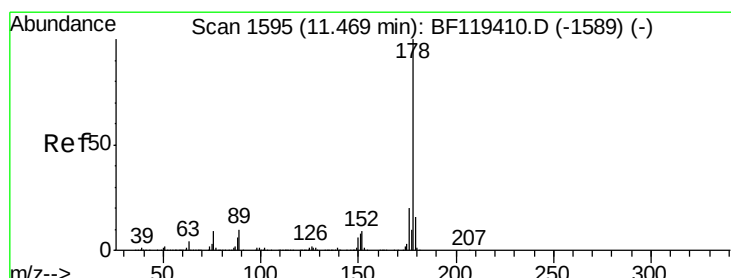
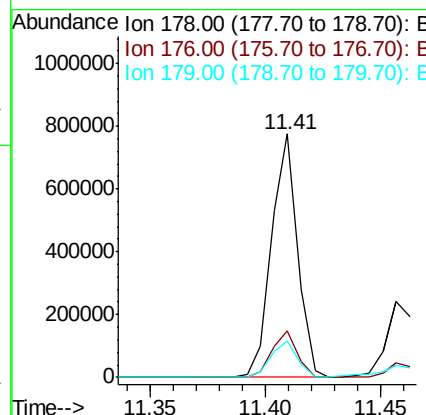
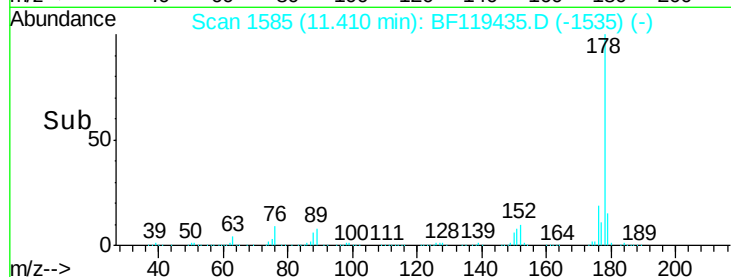
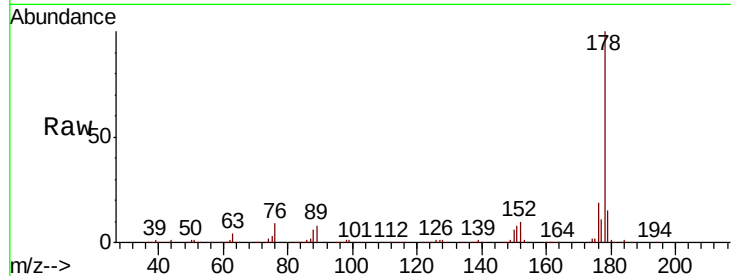
#71
Phenanthrene
Concen: 10.582 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF119435.D
Acq: 19 Mar 2020 00:49

Instrument :
BNA_F
ClientSampleId :
TP-9A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	15.1	12.9	19.3

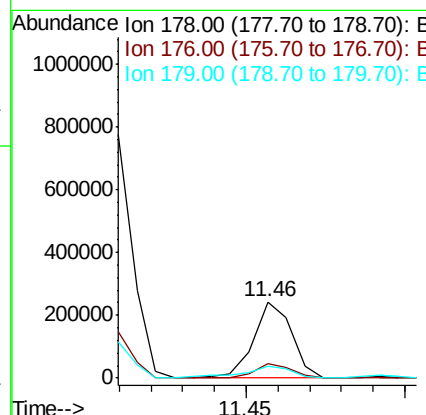
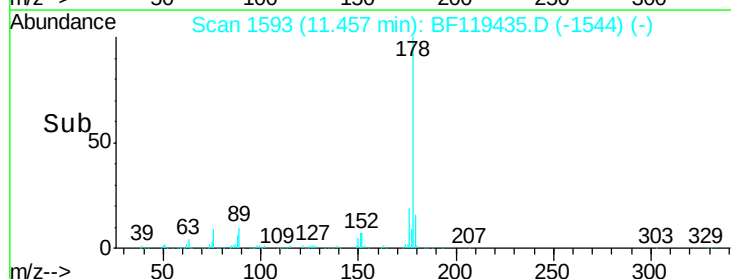
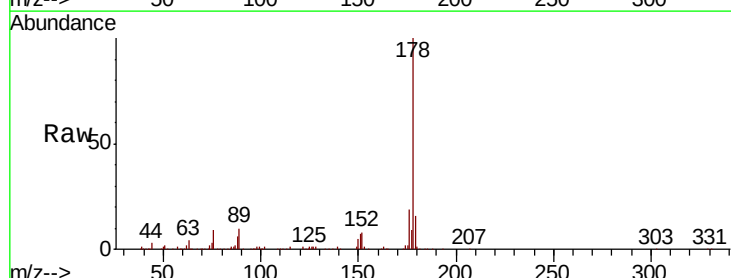
Manual Integrations
APPROVED

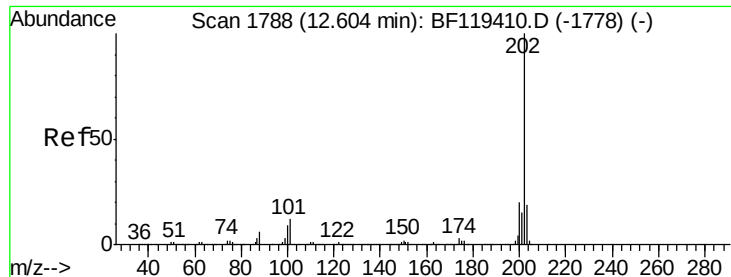
mohammad
3/19/2020 2:44:15 PM



#72
Anthracene
Concen: 3.453 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF119435.D
Acq: 19 Mar 2020 00:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.6	23.4
179	15.6	13.1	19.7





#75

Fluoranthene

Concen: 11.390 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF119435.D

Acq: 19 Mar 2020 00:49

Instrument :

BNA_F

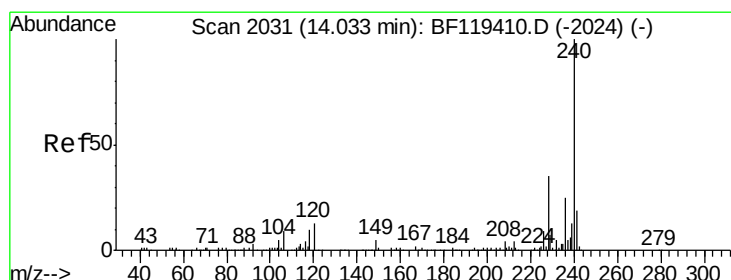
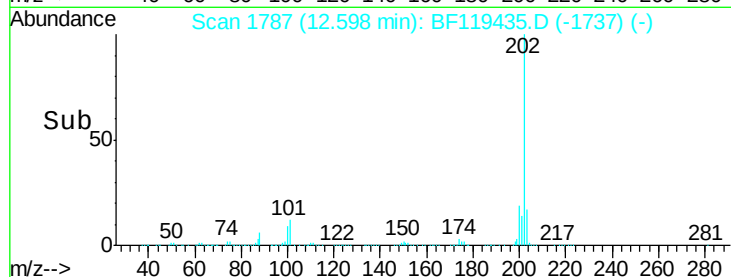
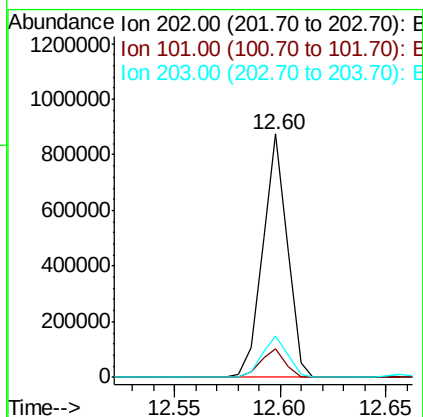
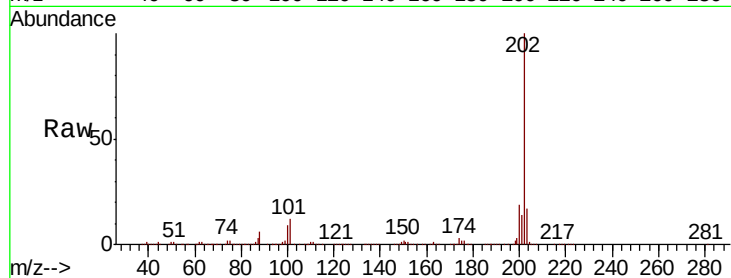
ClientSampled :

TP-9A

Tot Ion:	202	Resp:	707753
Ion Ratio		Lower	Upper
202	100		
101	11.5	0.0	32.4
203	17.2	0.0	38.5

Manual Integrations
APPROVED

mohammad
3/19/2020 2:44:15 PM



#76

Chrysene-d12

Concen: 20.000 ng

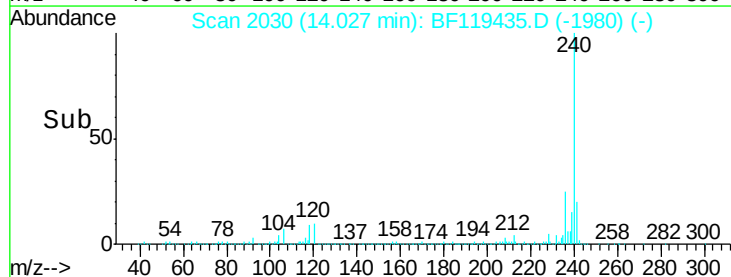
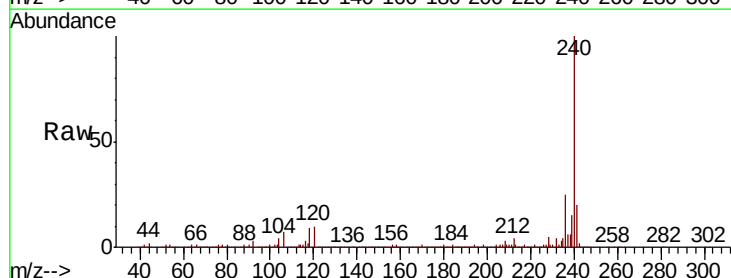
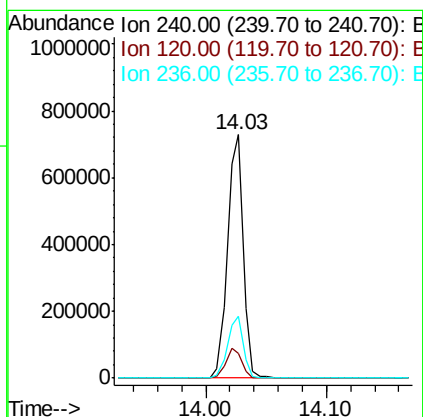
RT: 14.03 min Scan# 2030

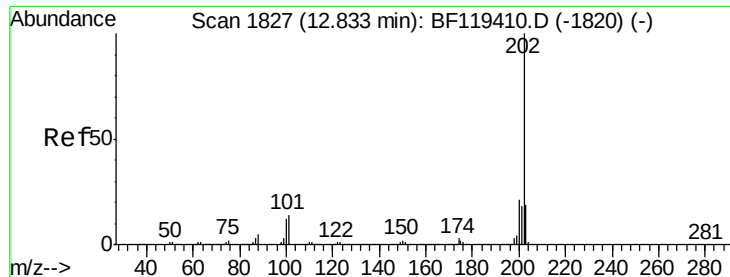
Delta R.T. -0.01 min

Lab File: BF119435.D

Acq: 19 Mar 2020 00:49

Tgt Ion:	240	Resp:	655162
Ion Ratio		Lower	Upper
240	100		
120	10.3	10.2	15.4
236	25.3	20.4	30.6





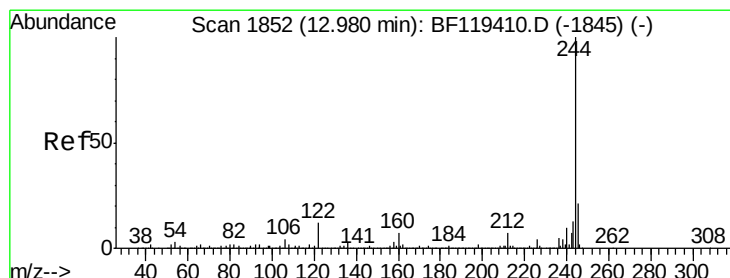
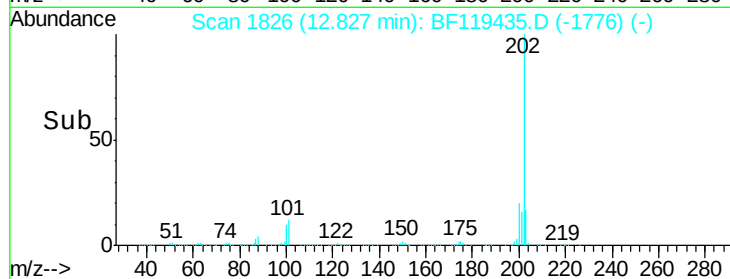
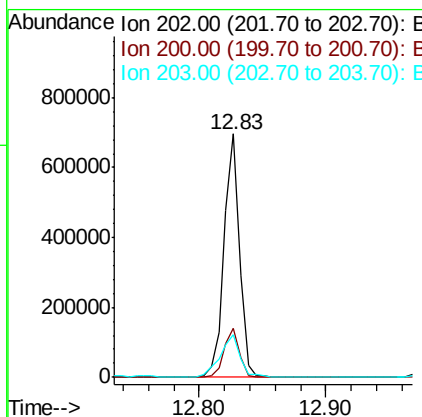
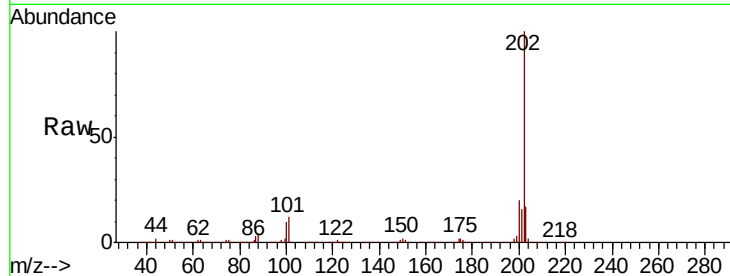
#78
Pvrene
Concen: 11.055 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF119435.D
Acq: 19 Mar 2020 00:49

Instrument :
BNA_F
ClientSampleId :
TP-9A

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.8	25.2
203	17.3	14.8	22.2

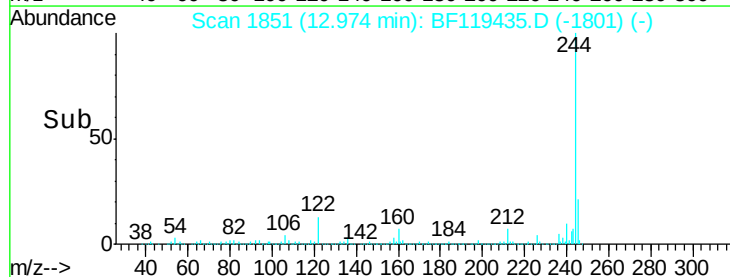
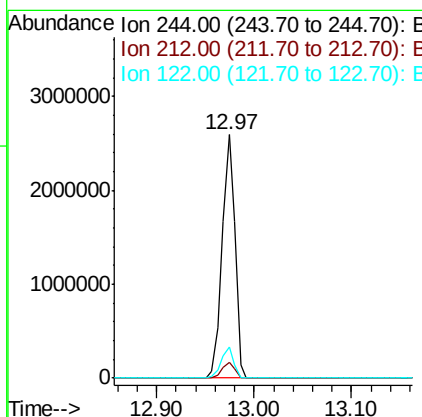
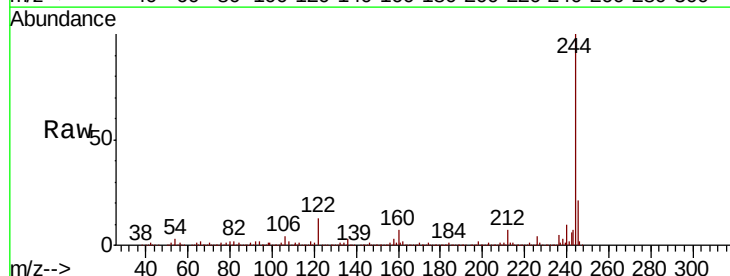
Manual Integrations
APPROVED

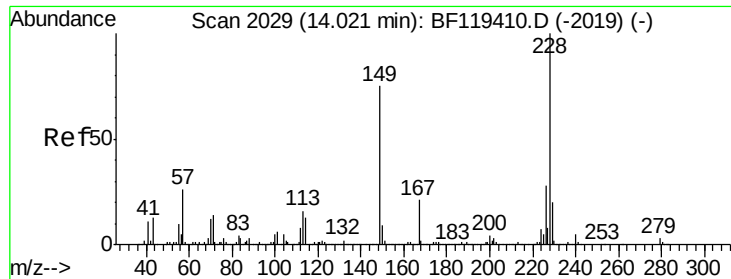
mohammad
3/19/2020 2:44:15 PM



#79
Terphenyl-d14
Concen: 70.867 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BF119435.D
Acq: 19 Mar 2020 00:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	12.5	9.8	14.8





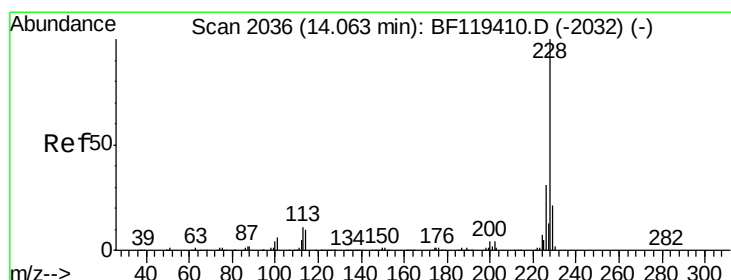
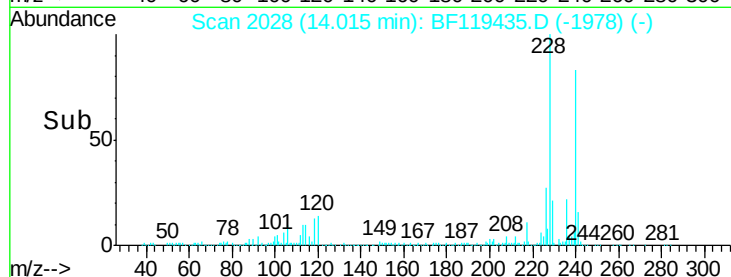
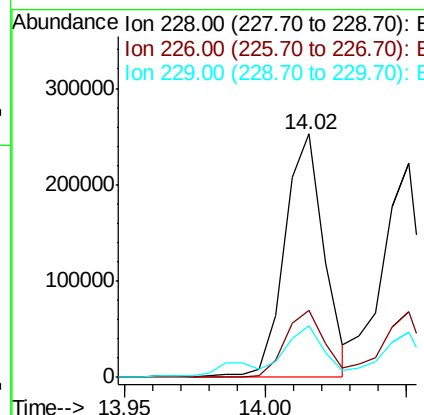
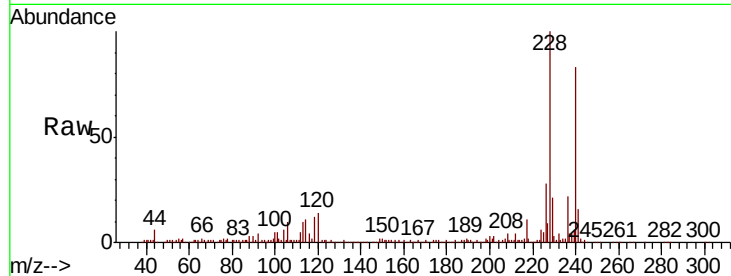
#81
Benzo(a)anthracene
Concen: 5.668 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF119435.D
Acq: 19 Mar 2020 00:49

Instrument :
BNA_F
ClientSampleId :
TP-9A

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.3	33.5
229	21.3	16.3	24.5

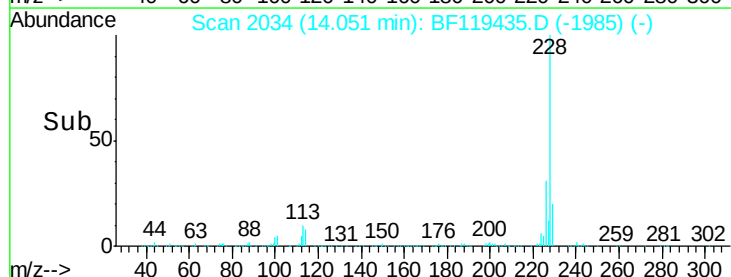
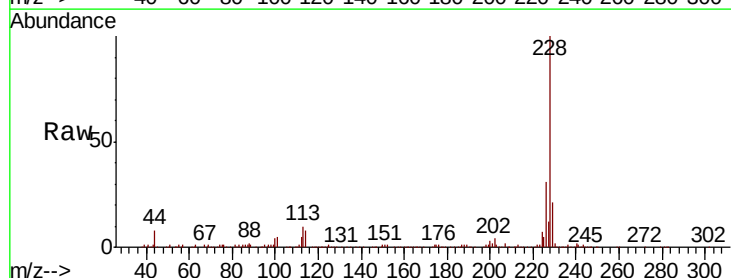
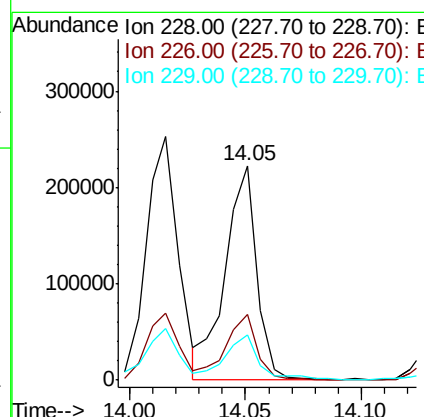
Manual Integrations
APPROVED

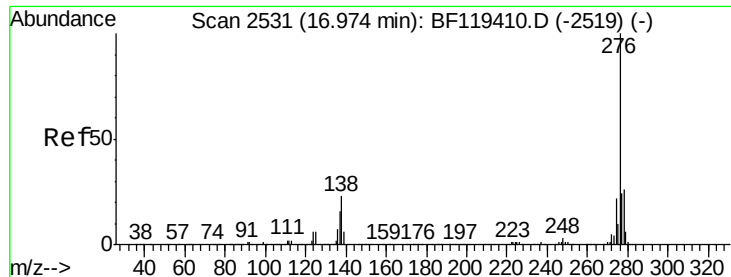
mohammad
3/19/2020 2:44:15 PM



#83
Chrysene
Concen: 4.780 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF119435.D
Acq: 19 Mar 2020 00:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.8	37.2
229	20.9	16.6	25.0





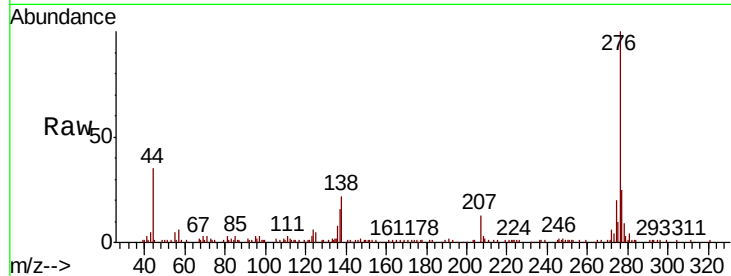
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.857 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.02 min
Lab File: BF119435.D
Acq: 19 Mar 2020 00:49

Instrument :
BNA_F
ClientSampleId :
TP-9A

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.6	21.3	31.9
277	24.1	20.2	30.2

Manual Integrations
APPROVED

mohammad
3/19/2020 2:44:15 PM

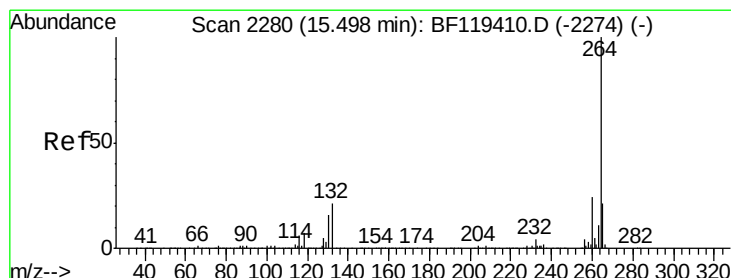
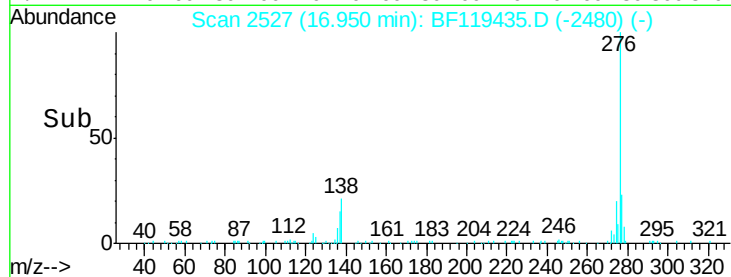
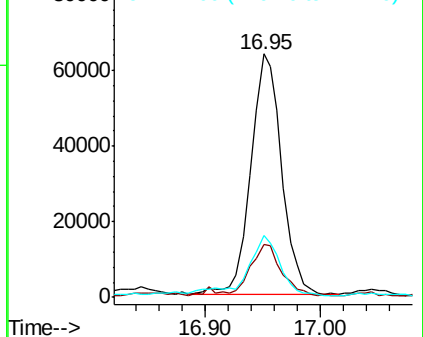


Abundance

Ion 276.00 (275.70 to 276.70): E

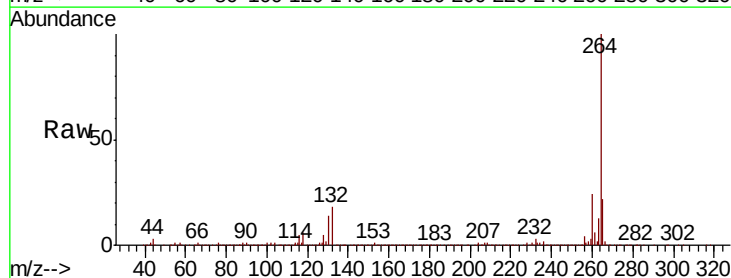
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BF119435.D
Acq: 19 Mar 2020 00:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.6	16.9	25.3

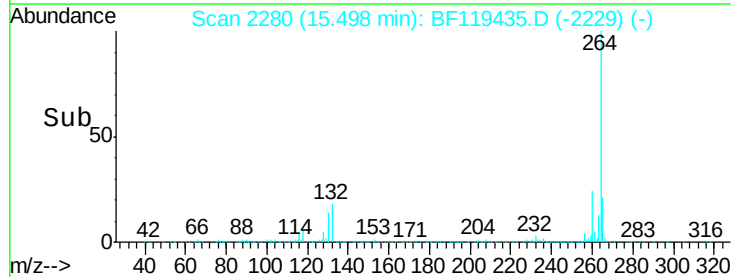
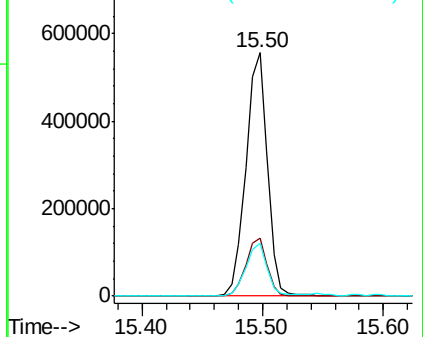


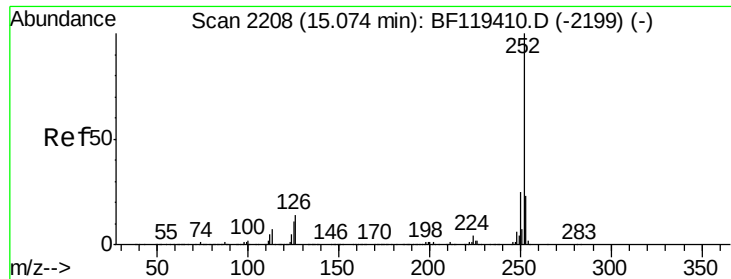
Abundance

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





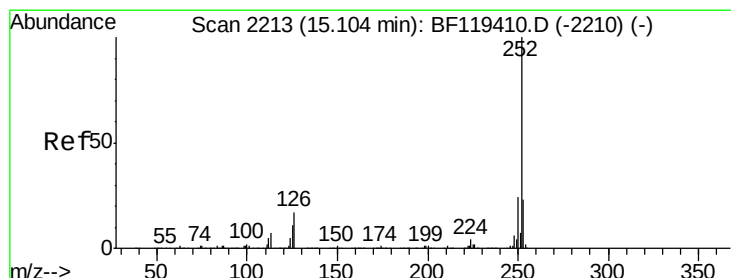
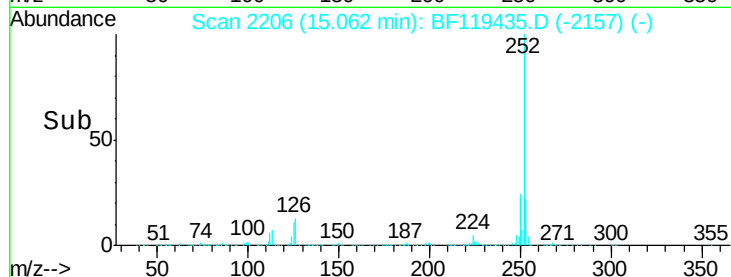
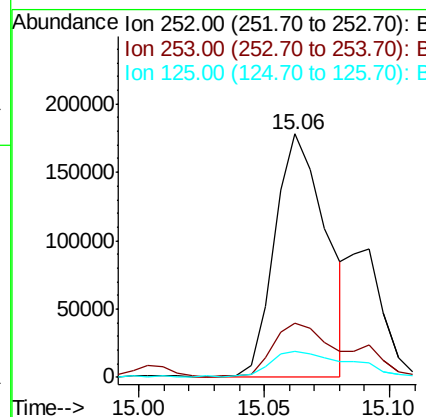
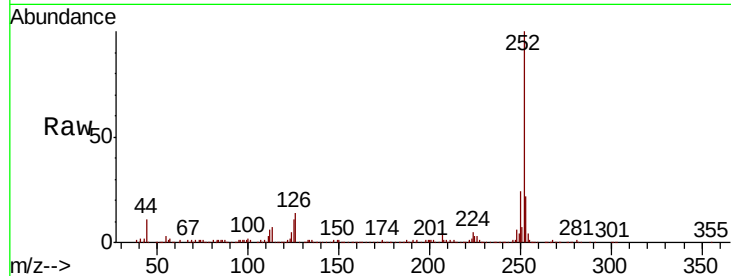
#88
Benzo(b)fluoranthene
Concen: 5.486 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF119435.D
Acq: 19 Mar 2020 00:49

Instrument :
BNA_F
ClientSampleId :
TP-9A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	10.9	8.8	13.2

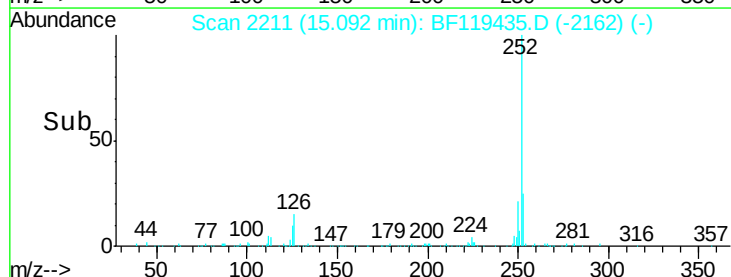
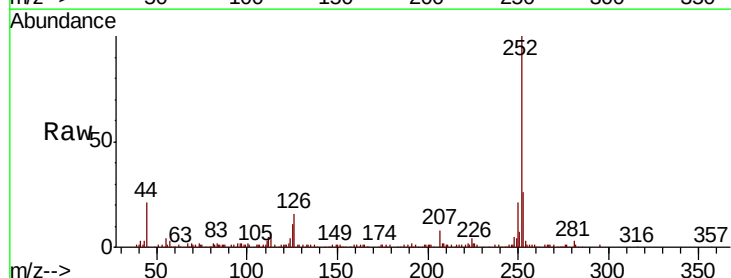
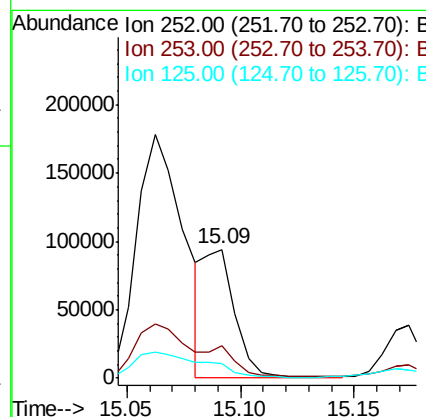
Manual Integrations
APPROVED

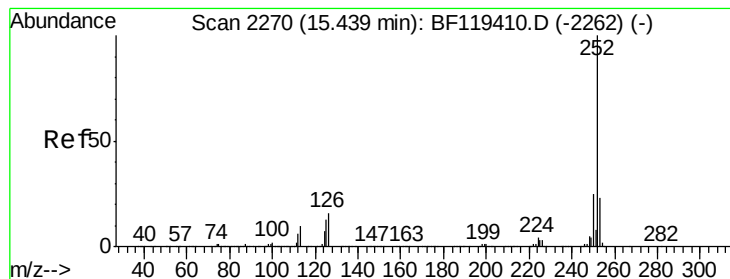
mohammad
3/19/2020 2:44:15 PM



#89
Benzo(k)fluoranthene
Concen: 2.027 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF119435.D
Acq: 19 Mar 2020 00:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.2	27.4
125	10.9	9.0	13.4





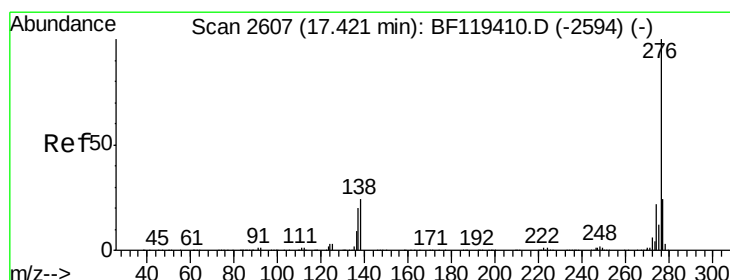
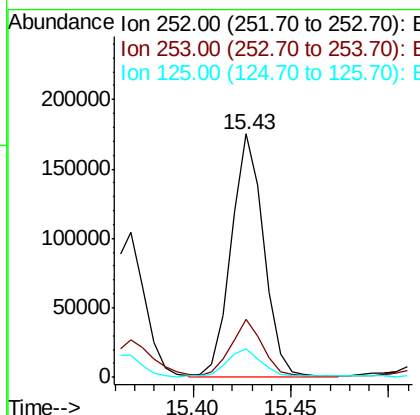
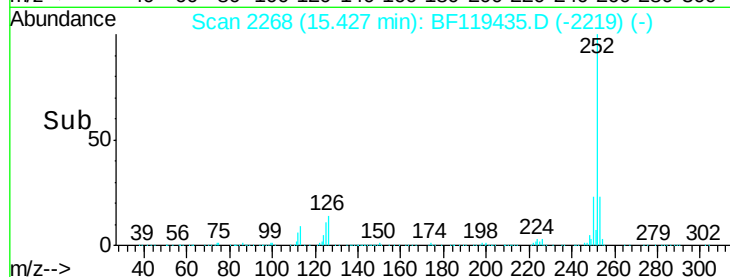
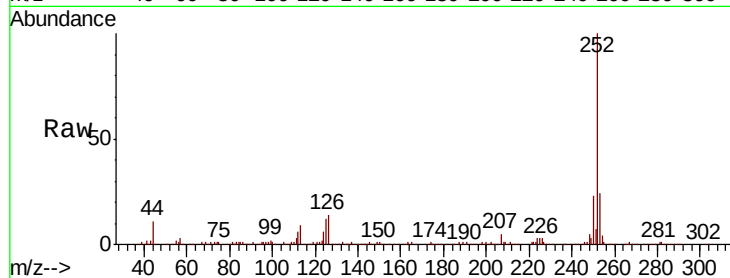
#90
Benzo(a)pyrene
Concen: 4.733 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF119435.D
Acq: 19 Mar 2020 00:49

Instrument :
BNA_F
ClientSampleId :
TP-9A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.4
125	11.7	10.2	15.2

Manual Integrations
APPROVED

mohammad
3/19/2020 2:44:15 PM



#92
Benzo(g,h,i)perylene
Concen: 2.891 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.03 min
Lab File: BF119435.D
Acq: 19 Mar 2020 00:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.4	18.8	28.2
138	21.5	19.1	28.7

