

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
 Data File : BF119823.D
 Acq On : 7 Apr 2020 15:42
 Operator : MA/SJ
 Sample : L2129-41DL 5X
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3DL

Manual Integrations
 APPROVED

mohammad
 4/8/2020 8:13:19 AM

Quant Time: Apr 07 16:16:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 06 11:15:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	157892	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	413572	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	230085	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	323816	20.00	ng	0.00
76) Chrysene-d12	13.96	240	331187	20.00	ng	0.00
87) Perylene-d12	15.42	264	179872	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	329717	33.24	ng	0.00
7) Phenol-d6	6.42	99	369138	29.13	ng	0.00
23) Nitrobenzene-d5	7.35	82	243026	31.94	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	69022	29.08	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	450191	28.99	ng	0.00
79) Terphenyl-d14	12.91	244	379123	22.43	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.55	163	40489	2.477	ng	98
71) Phenanthrene	11.35	178	363386	21.642	ng	97
72) Anthracene	11.39	178	45165	2.647	ng	97
75) Fluoranthene	12.54	202	791982	43.584	ng	96
78) Pyrene	12.77	202	739780	27.218	ng	98
81) Benzo(a)anthracene	13.96	228	287127	13.332	ng	98
83) Chrysene	13.99	228	358612	16.134	ng	97
86) Indeno(1,2,3-cd)pyrene	16.84	276	94495	4.514	ng	# 92
88) Benzo(b)fluoranthene	15.00	252	233587m	19.441	ng	
89) Benzo(k)fluoranthene	15.02	252	89890m	7.857	ng	
90) Benzo(a)pyrene	15.35	252	159935	14.647	ng	98
91) Dibenzo(a,h)anthracene	16.86	278	20939	2.192	ng	# 90
92) Benzo(a,h,i)perylene	17.27	276	87739	9.144	ng	97

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

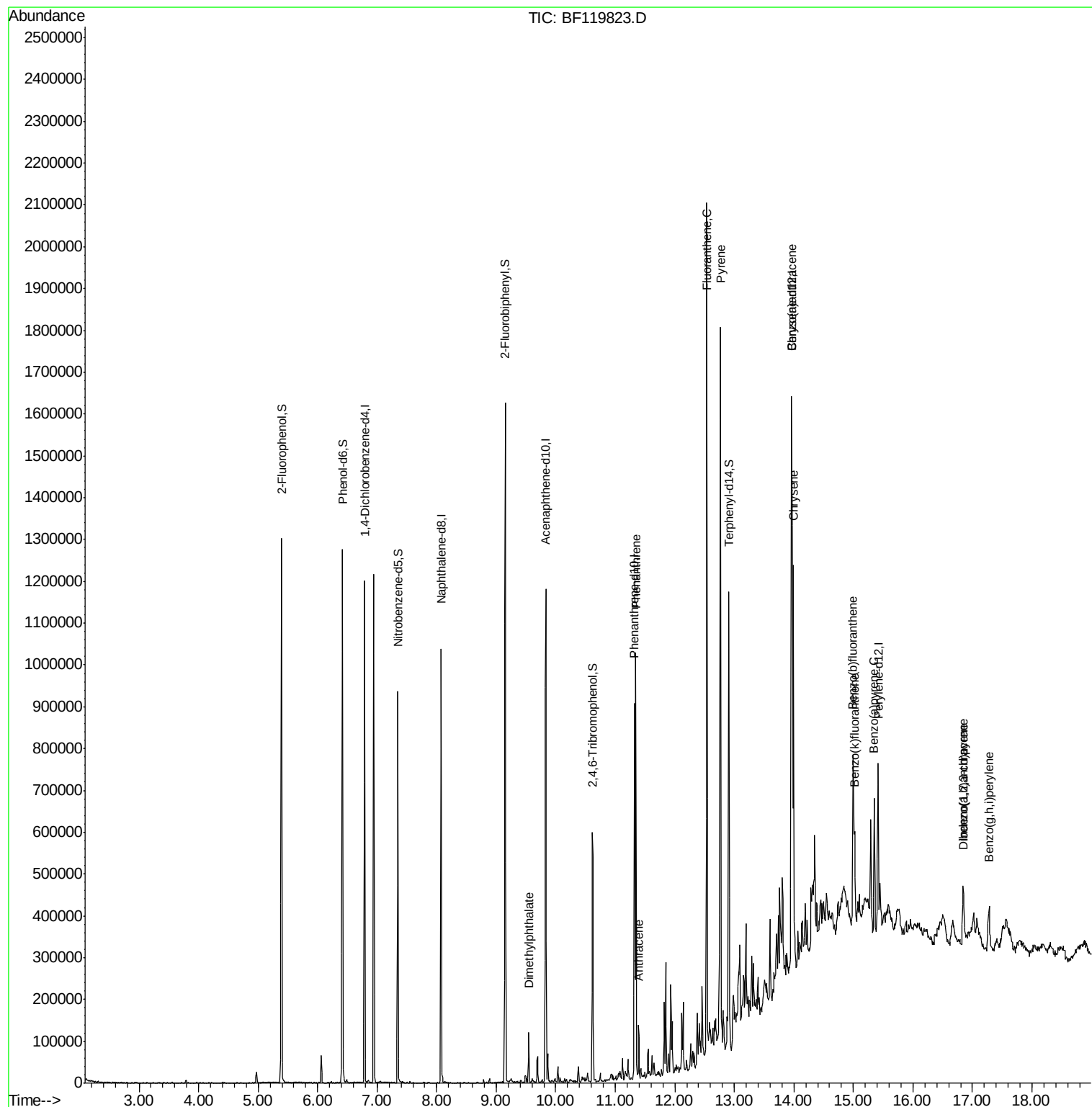
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119823.D
Acq On : 7 Apr 2020 15:42
Operator : MA/SJ
Sample : L2129-41DL 5X
Misc :
ALS Vial : 56 Sample Multiplier: 1

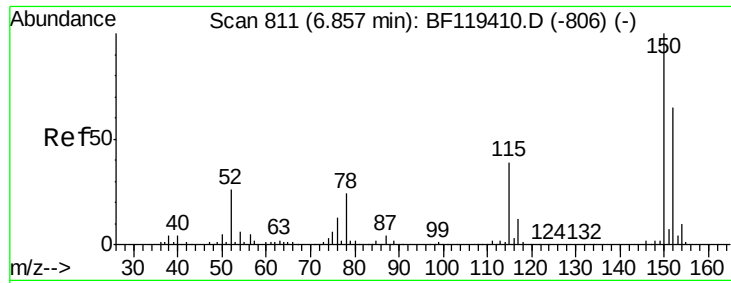
Instrument :
BNA_F
ClientSampleId :
TP-3DL

Manual Integrations
APPROVED

mohammad
4/8/2020 8:13:19 AM

Quant Time: Apr 07 16:16:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 06 11:15:16 2020
Response via : Initial Calibration





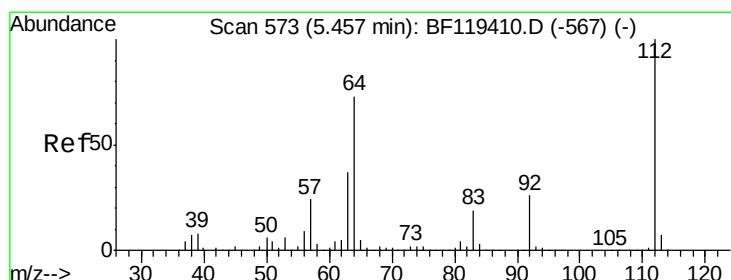
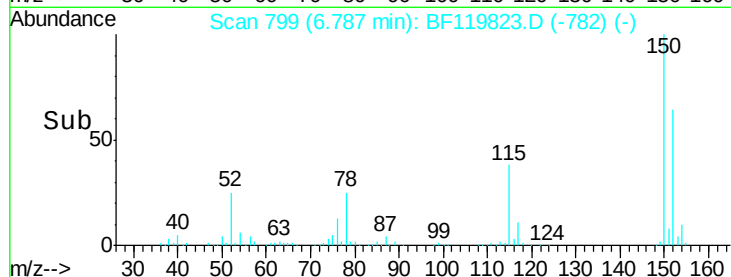
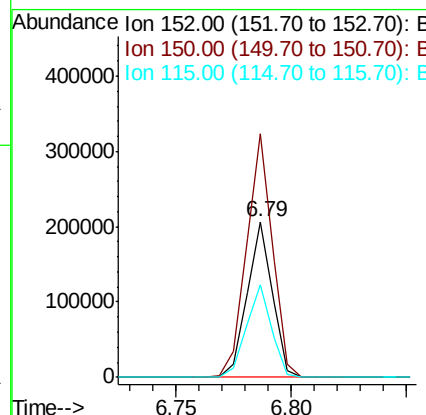
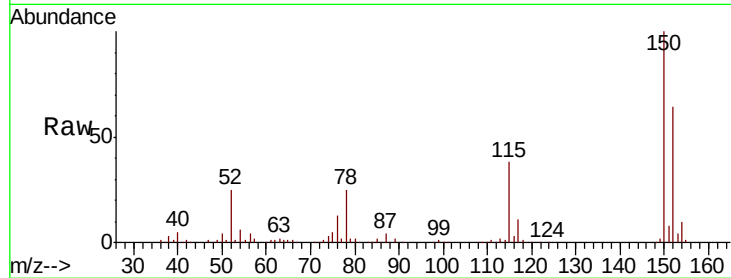
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF119823.D
 Acq: 7 Apr 2020 15:42

Instrument :
 BNA_F
 ClientSampled :
 TP-3DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.5	186.7
115	59.2	49.6	74.4

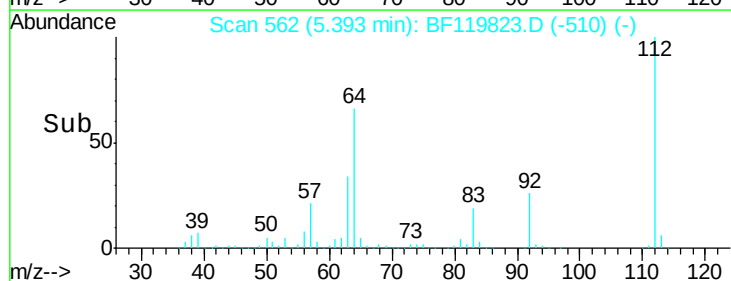
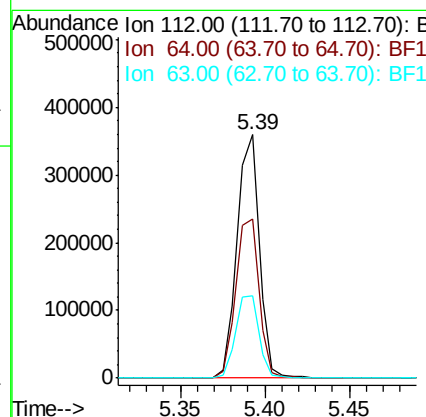
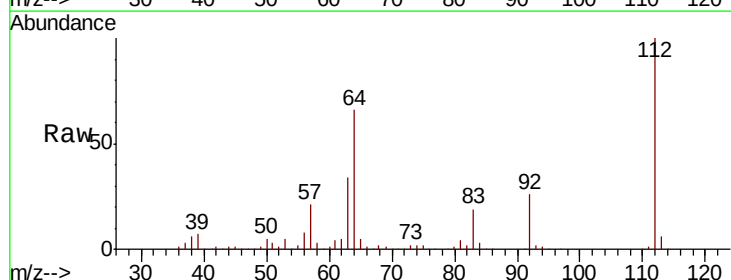
Manual Integrations
 APPROVED

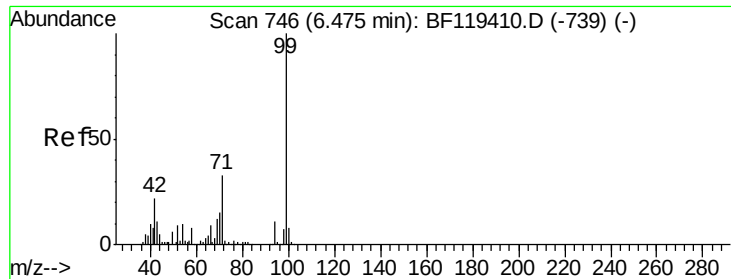
mohammad
 4/8/2020 8:13:19 AM



#5
 2-Fluorophenol
 Concen: 33.243 ng
 RT: 5.39 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: BF119823.D
 Acq: 7 Apr 2020 15:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	56.7	85.1
63	33.6	29.5	44.3





#7

Phenol-d6

Concen: 29.135 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF119823.D

Acq: 7 Apr 2020 15:42

Instrument :

BNA_F

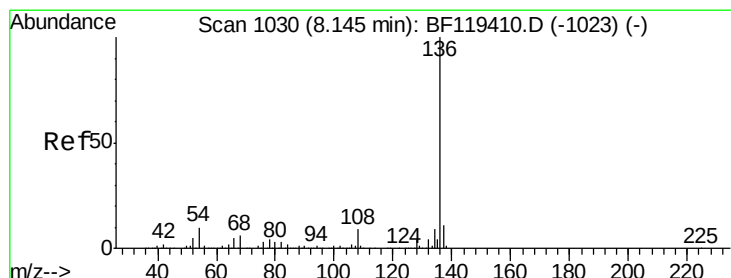
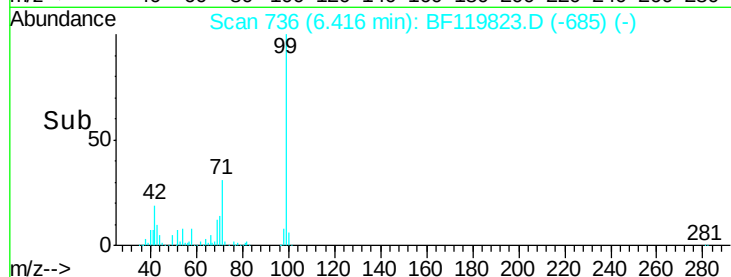
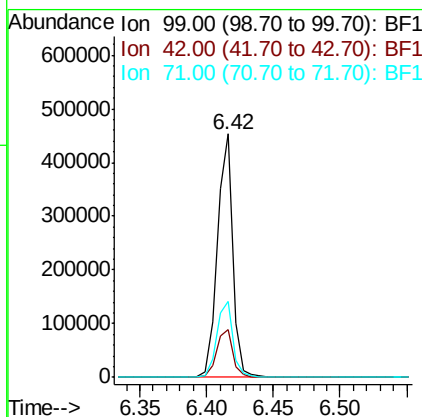
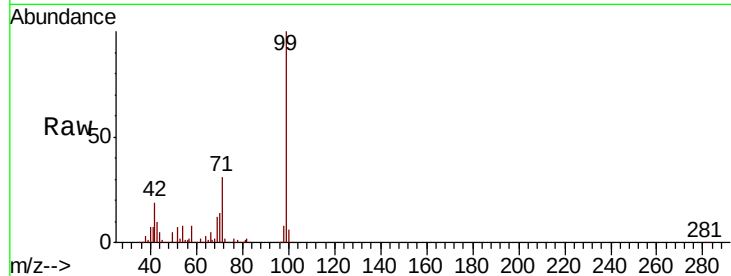
ClientSampleId :

TP-3DL

Tot Ion:	99	Resp:	369138
Ion	Ratio	Lower	Upper
99	100		
42	19.4	16.6	24.8
71	31.4	26.4	39.6

Manual Integrations
APPROVED

mohammad
4/8/2020 8:13:19 AM



#21

Naphthalene-d8

Concen: 20.000 ng

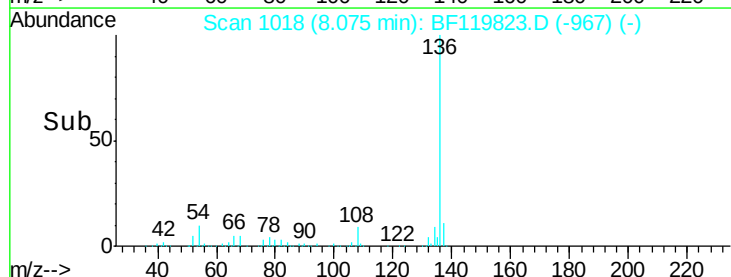
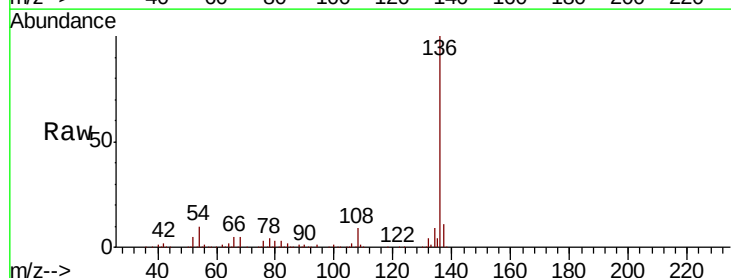
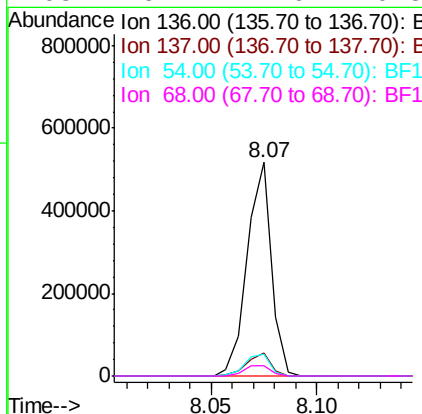
RT: 8.07 min Scan# 1018

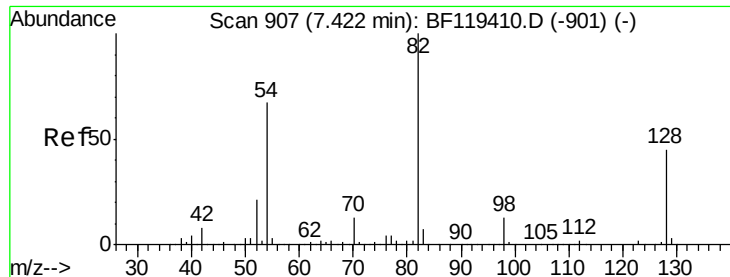
Delta R.T. 0.00 min

Lab File: BF119823.D

Acq: 7 Apr 2020 15:42

Tgt Ion:	136	Resp:	413572
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	10.2	9.1	13.7
68	5.1	4.6	6.8





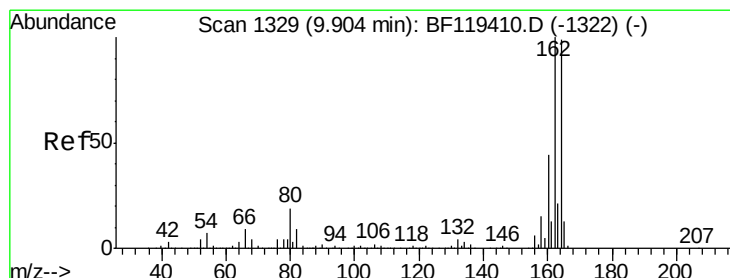
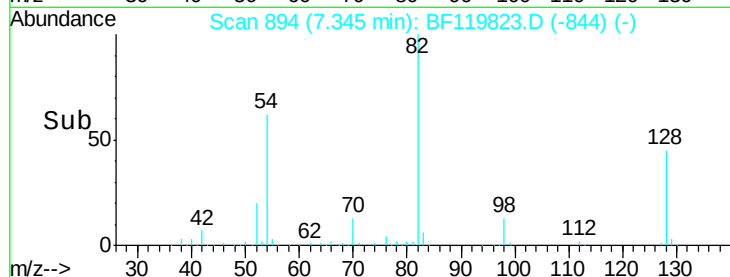
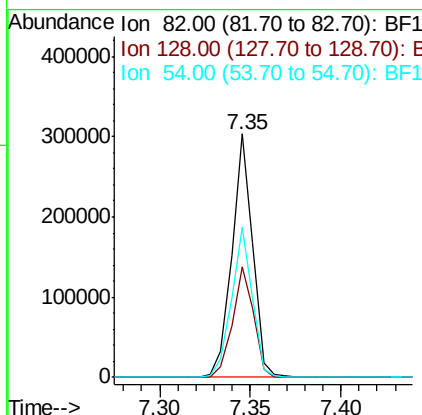
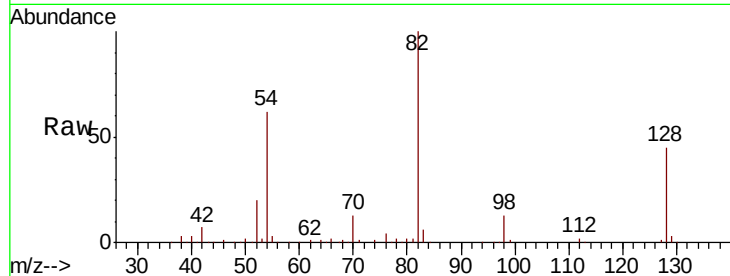
#23
Nitrobenzene-d5
Concen: 31.936 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF119823.D
Acq: 7 Apr 2020 15:42

Instrument :
BNA_F
ClientSampled :
TP-3DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.3	54.5
54	61.9	50.6	75.8

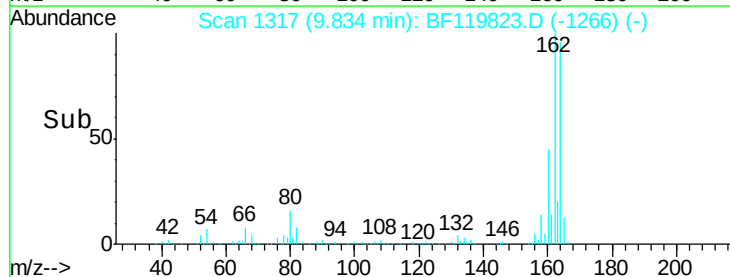
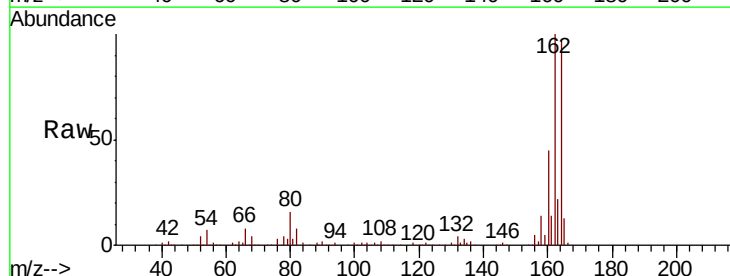
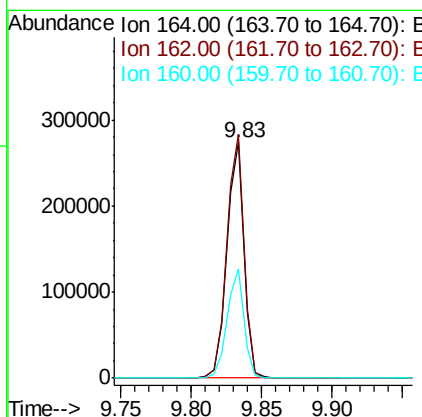
Manual Integrations
APPROVED

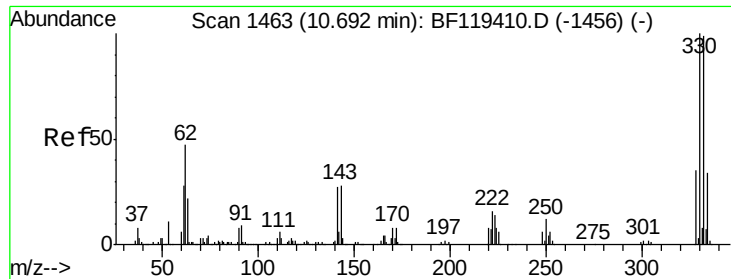
mohammad
4/8/2020 8:13:19 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BF119823.D
Acq: 7 Apr 2020 15:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	80.6	121.0
160	46.2	35.7	53.5





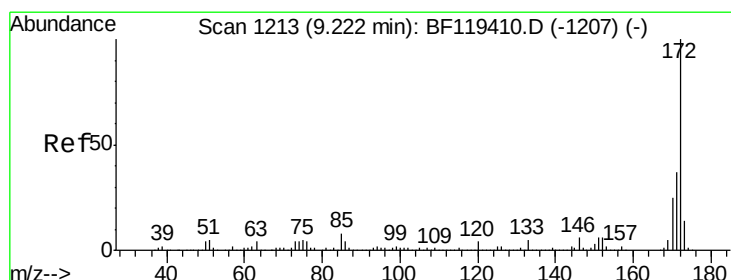
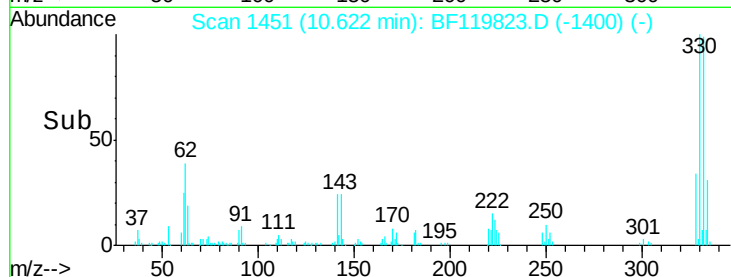
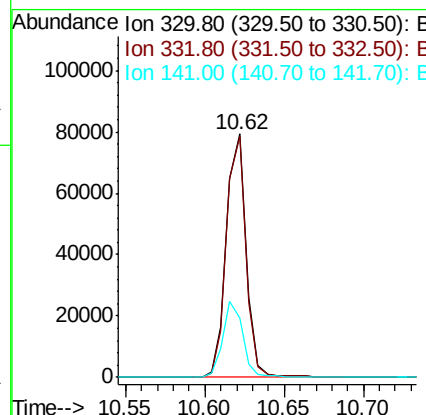
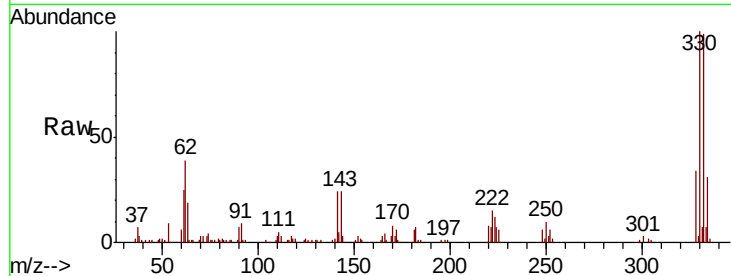
#42
 2,4,6-Tribromophenol
 Concen: 29.078 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF119823.D
 Acq: 7 Apr 2020 15:42

Instrument :
 BNA_F
 ClientSampled :
 TP-3DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	75.7	113.5
141	31.1	25.4	38.0

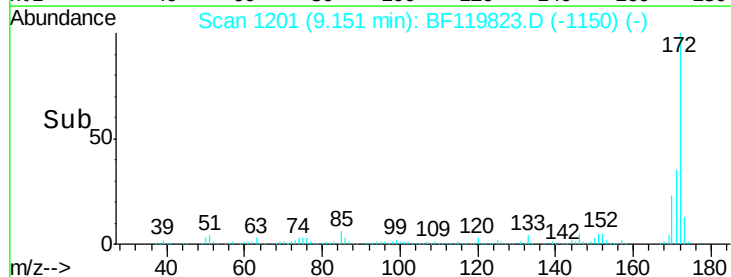
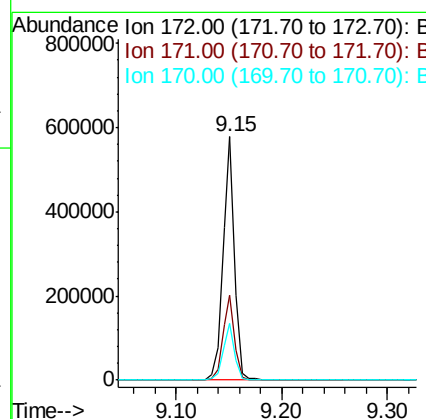
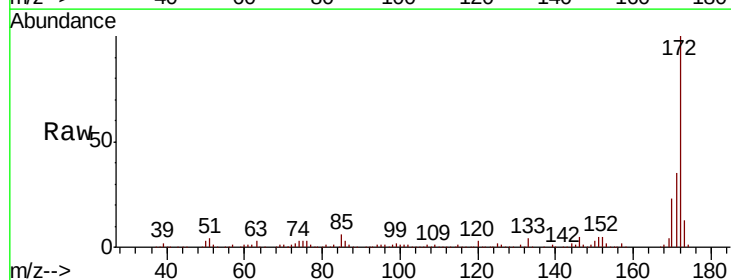
Manual Integrations
 APPROVED

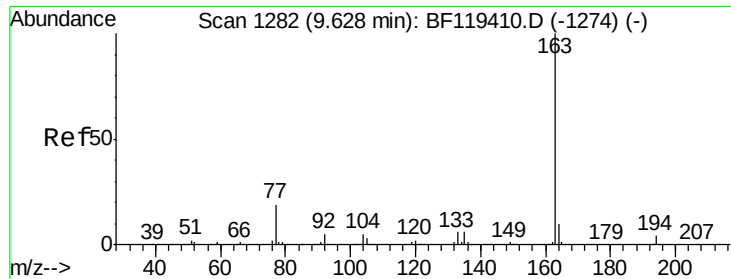
mohammad
 4/8/2020 8:13:19 AM



#45
 2-Fluorobiphenyl
 Concen: 28.987 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF119823.D
 Acq: 7 Apr 2020 15:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.6	44.4
170	23.2	20.2	30.2





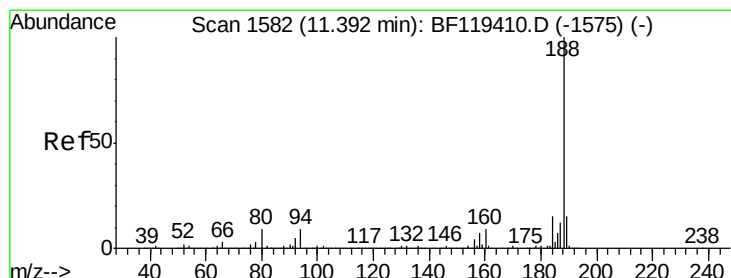
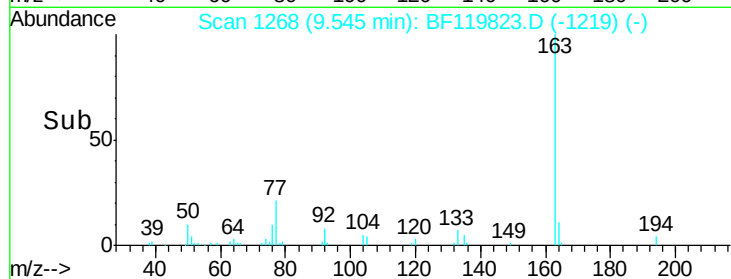
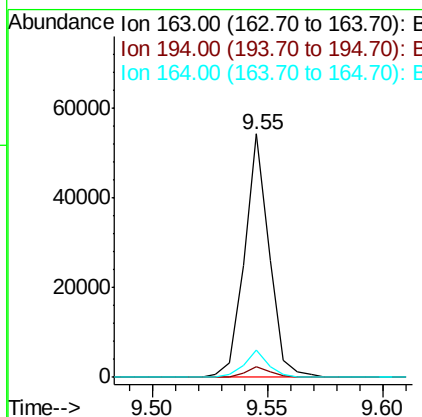
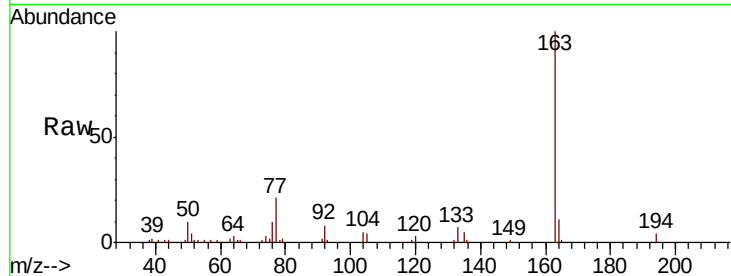
#50
Dimethylphthalate
Concen: 2.477 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF119823.D
Acq: 7 Apr 2020 15:42

Instrument :
BNA_F
ClientSampleId :
TP-3DL

Tot Ion:	163	Resp:	40489
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.1	4.7
164	11.2	8.2	12.2

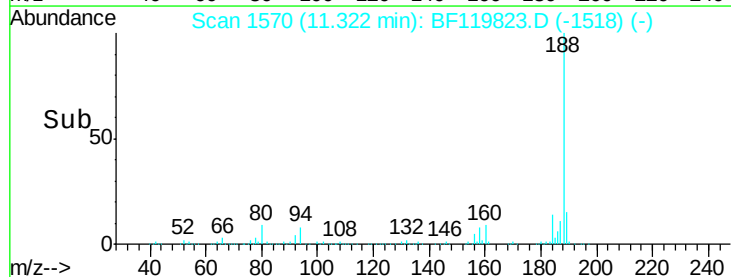
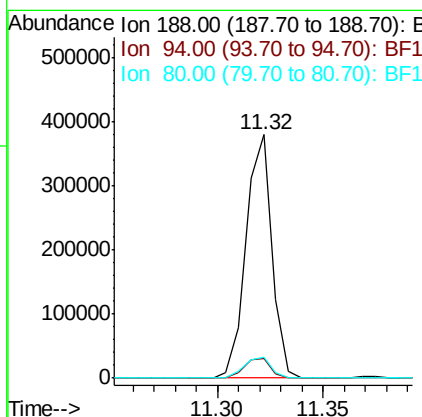
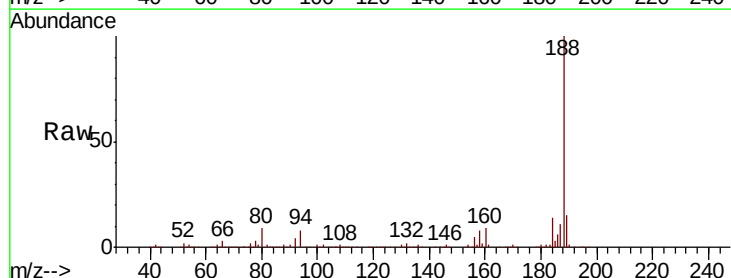
Manual Integrations
APPROVED

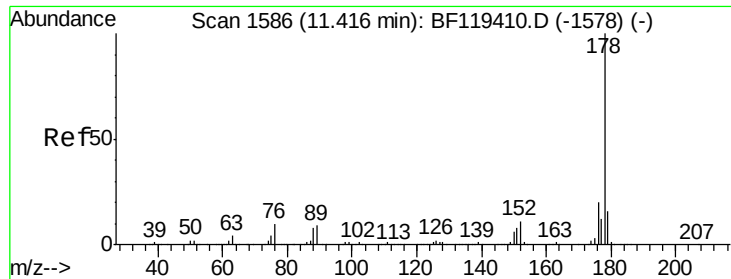
mohammad
4/8/2020 8:13:19 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF119823.D
Acq: 7 Apr 2020 15:42

Tgt Ion:	188	Resp:	323816
Ion Ratio	Lower	Upper	
188	100		
94	8.1	7.5	11.3
80	8.8	9.0	13.4#





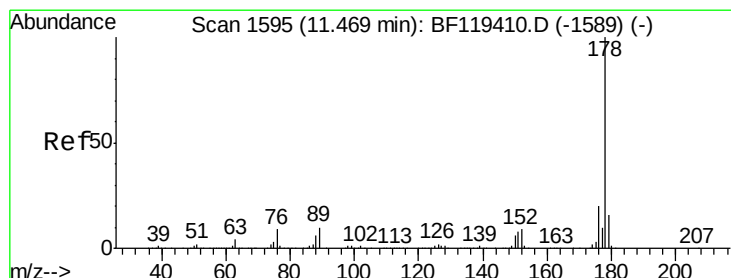
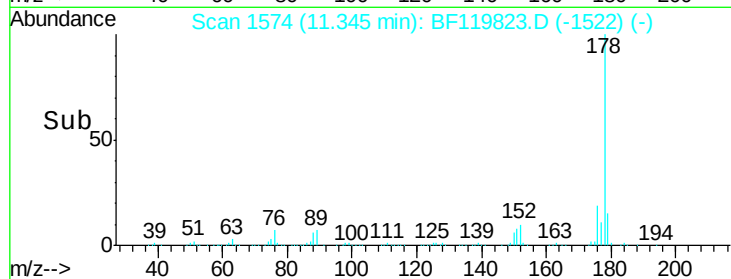
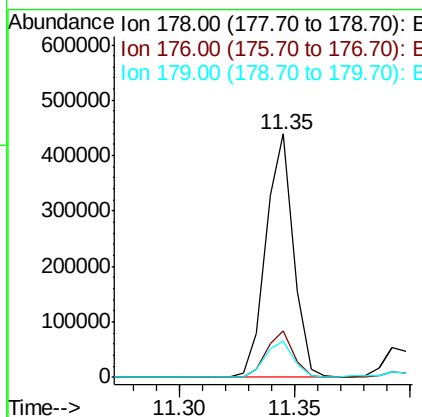
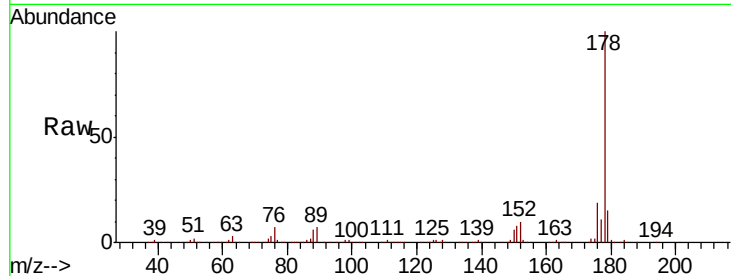
#71
Phenanthrene
Concen: 21.642 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF119823.D
Acq: 7 Apr 2020 15:42

Instrument :
BNA_F
ClientSampleId :
TP-3DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	14.8	13.2	19.8

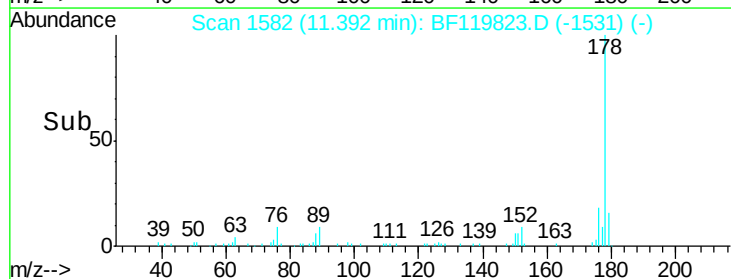
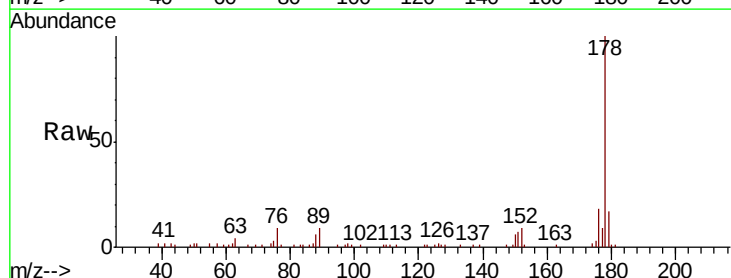
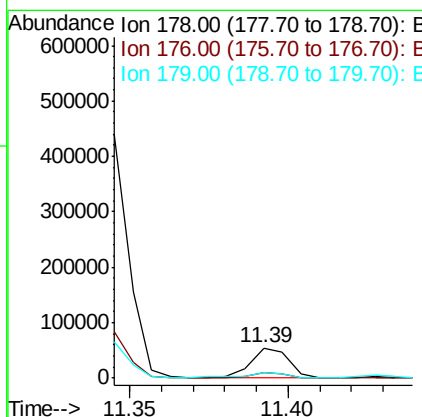
Manual Integrations
APPROVED

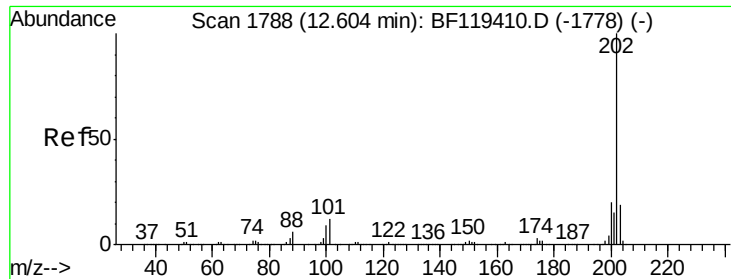
mohammad
4/8/2020 8:13:19 AM



#72
Anthracene
Concen: 2.647 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF119823.D
Acq: 7 Apr 2020 15:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	16.1	24.1
179	16.6	13.0	19.4





#75

Fluoranthene

Concen: 43.584 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF119823.D

Acq: 7 Apr 2020 15:42

Instrument :

BNA_F

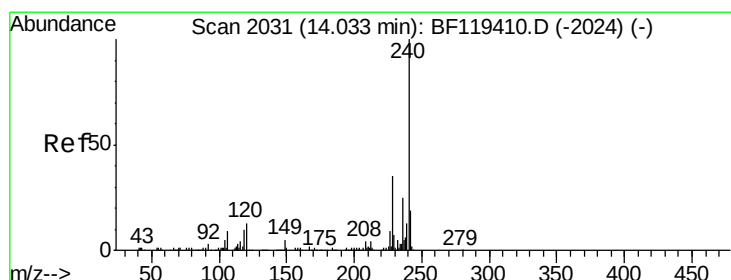
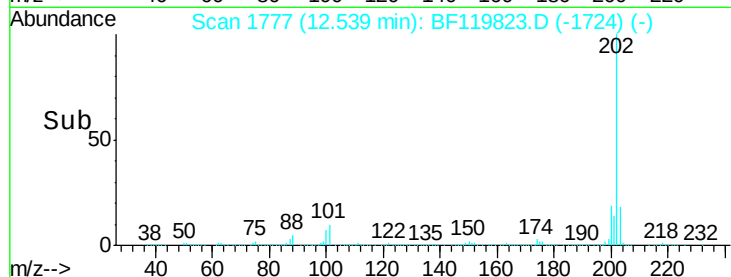
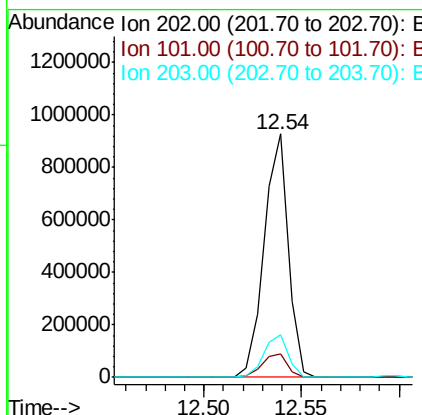
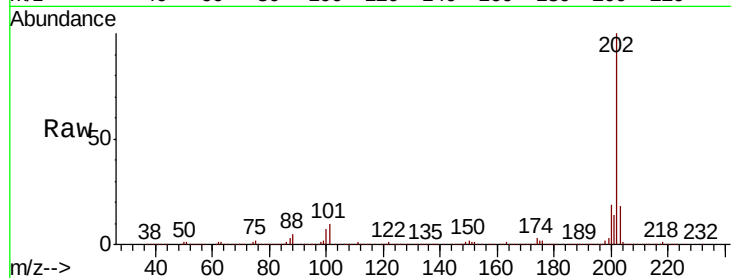
ClientSampleId :

TP-3DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		791982		
101	9.7	0.0	32.2		
203	17.7	0.0	38.8		

Manual Integrations
APPROVED

mohammad
4/8/2020 8:13:19 AM



#76

Chrysene-d12

Concen: 20.000 ng

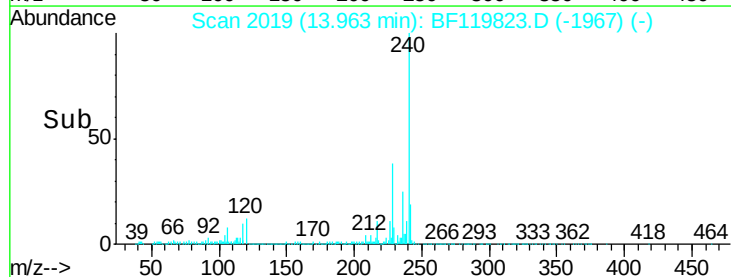
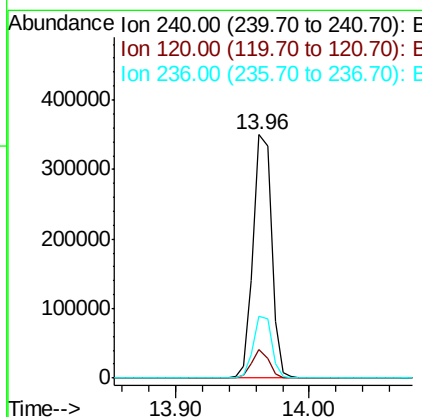
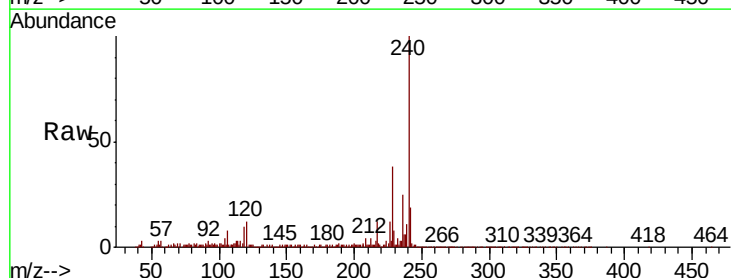
RT: 13.96 min Scan# 2019

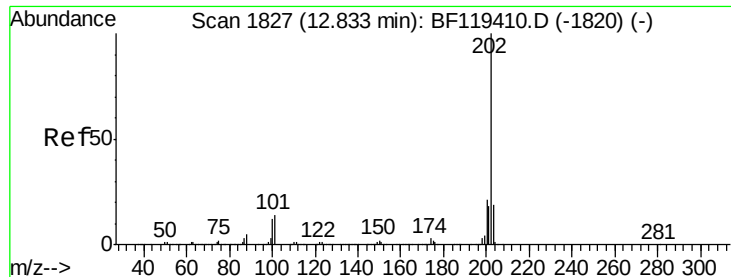
Delta R.T. 0.01 min

Lab File: BF119823.D

Acq: 7 Apr 2020 15:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		331187		
120	11.8	10.6	15.8		
236	25.5	20.2	30.2		





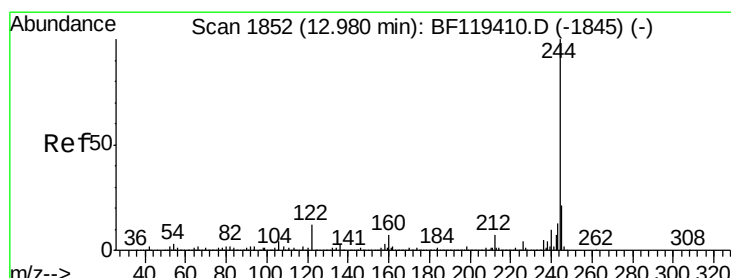
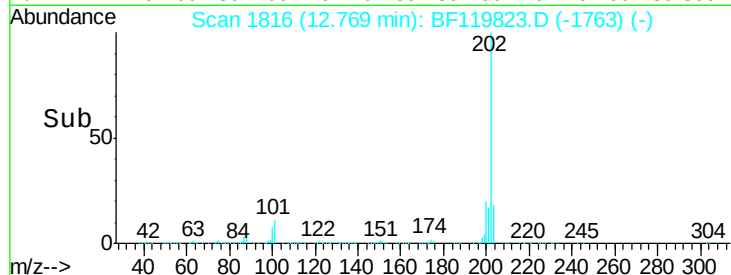
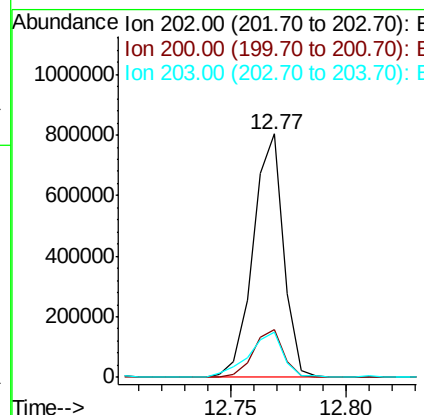
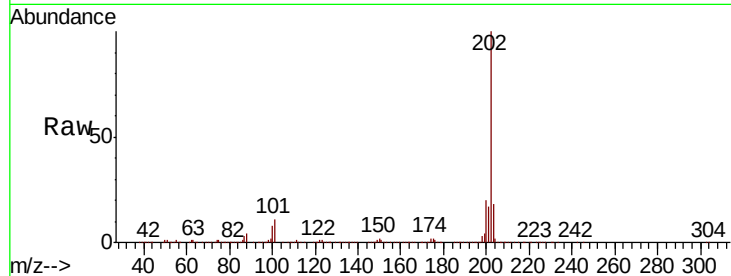
#78
Pvrene
Concen: 27.218 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF119823.D
Acq: 7 Apr 2020 15:42

Instrument :
BNA_F
ClientSampled :
TP-3DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.8	25.2
203	18.4	15.1	22.7

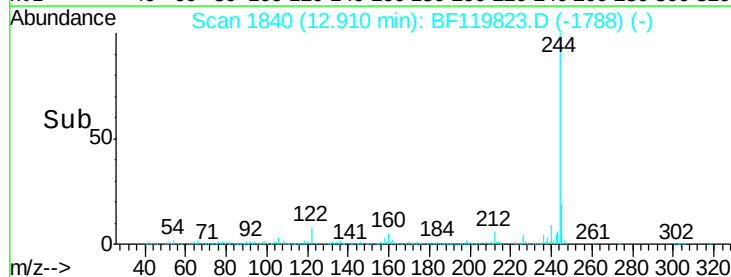
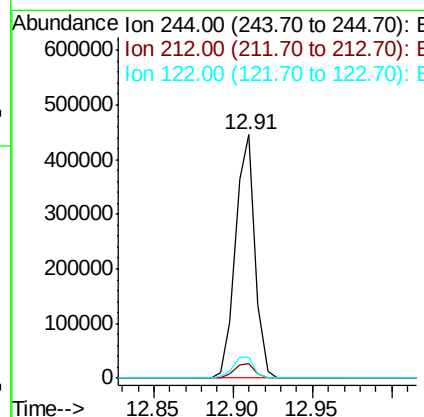
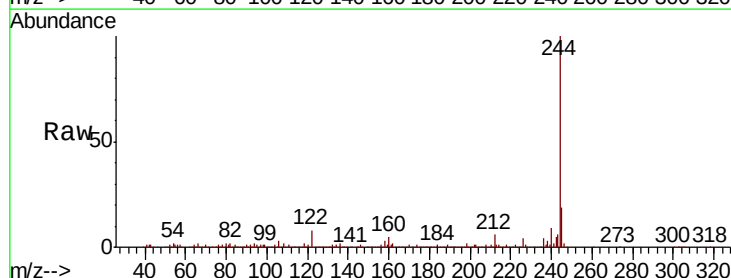
Manual Integrations
APPROVED

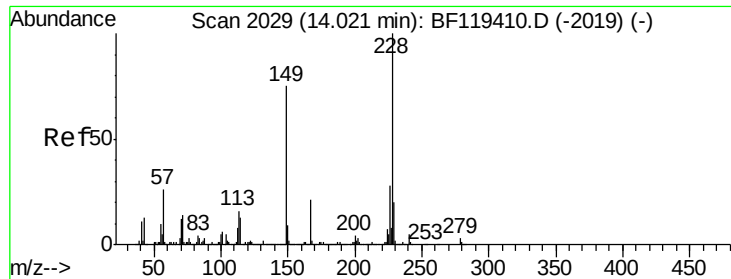
mohammad
4/8/2020 8:13:19 AM



#79
Terphenyl-d14
Concen: 22.428 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.01 min
Lab File: BF119823.D
Acq: 7 Apr 2020 15:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.8	8.8
122	8.5	10.3	15.5#





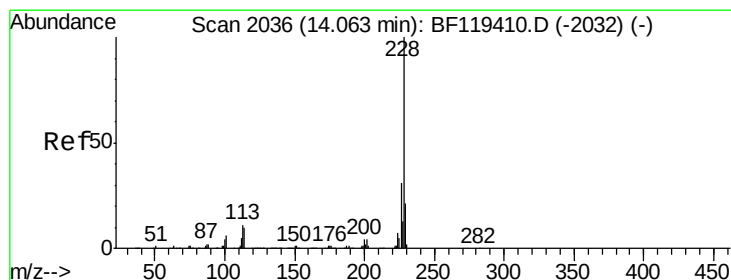
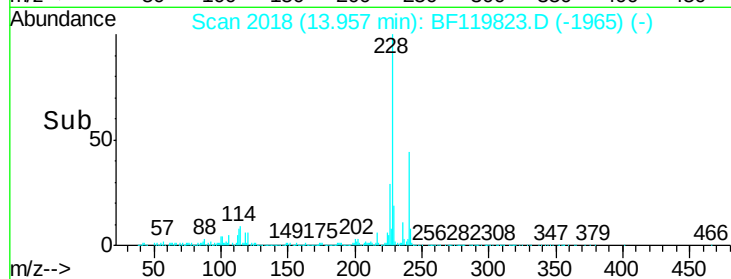
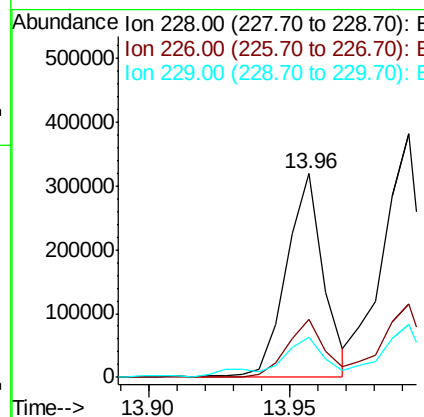
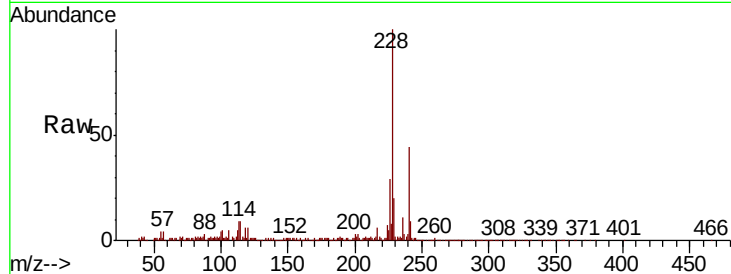
#81
Benzo(a)anthracene
Concen: 13.332 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF119823.D
Acq: 7 Apr 2020 15:42

Instrument :
BNA_F
ClientSampled :
TP-3DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.8	32.8
229	19.7	16.2	24.4

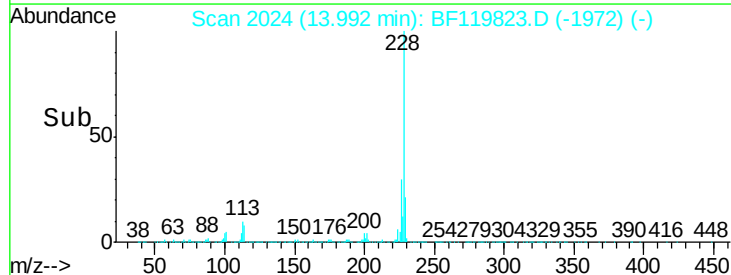
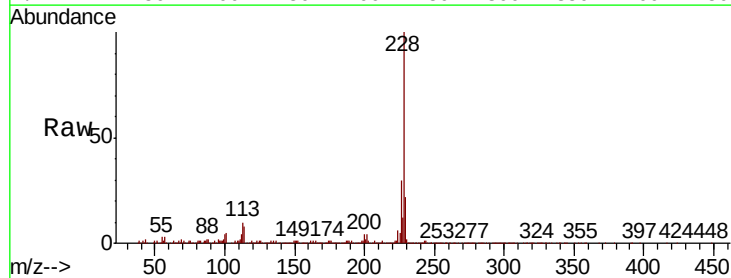
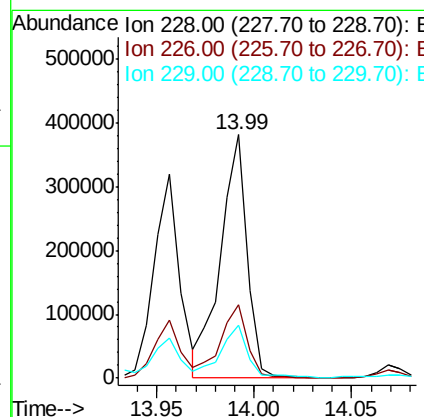
Manual Integrations
APPROVED

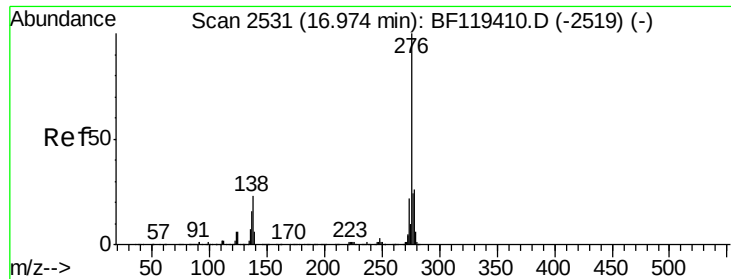
mohammad
4/8/2020 8:13:19 AM



#83
Chrysene
Concen: 16.134 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BF119823.D
Acq: 7 Apr 2020 15:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.0
229	21.6	16.6	24.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.514 ng

RT: 16.84 min Scan# 2509

Delta R.T. 0.01 min

Lab File: BF119823.D

Acq: 7 Apr 2020 15:42

Instrument :

BNA_F

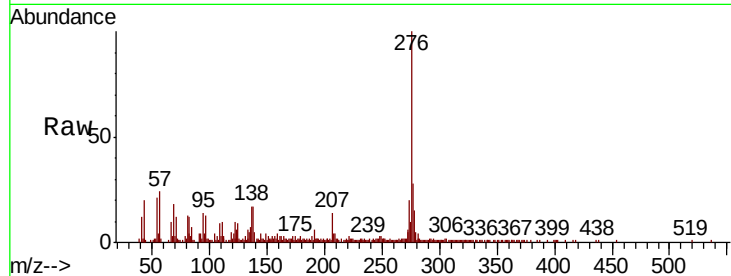
ClientSampled :

TP-3DL

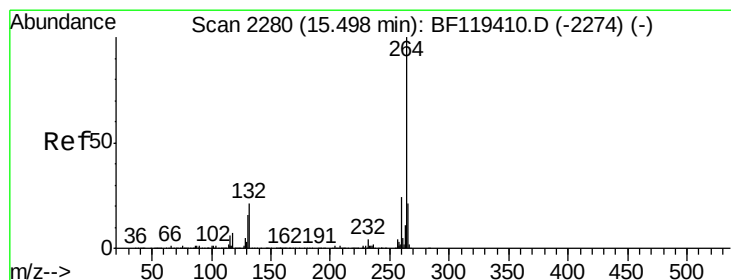
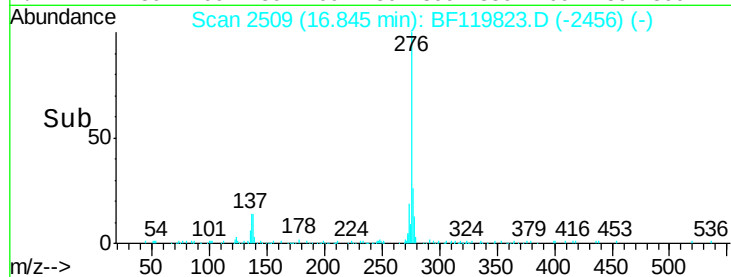
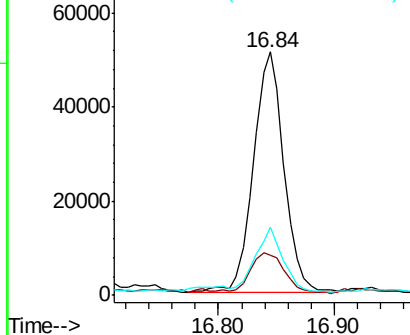
Tot Ion:	276	Resp:	94495
Ion Ratio	Lower	Upper	
276	100		
138	19.2	19.6	29.4#
277	27.9	20.0	30.0

Manual Integrations
APPROVED

mohammad
4/8/2020 8:13:19 AM



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

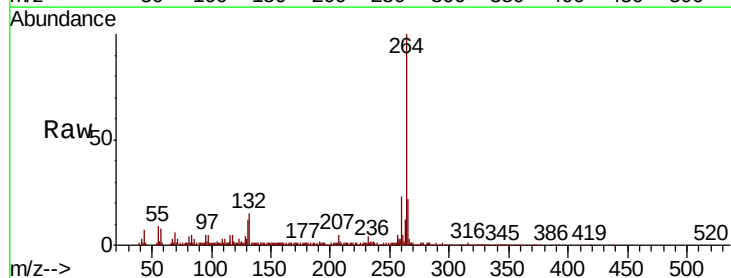
RT: 15.42 min Scan# 2266

Delta R.T. 0.02 min

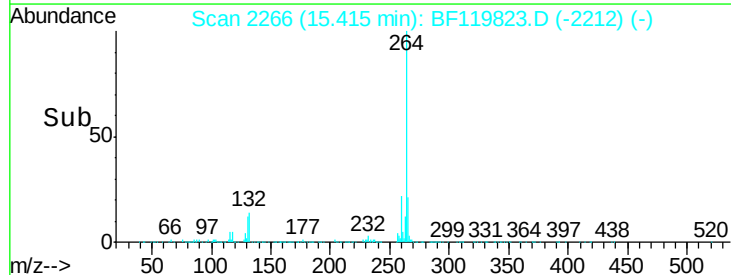
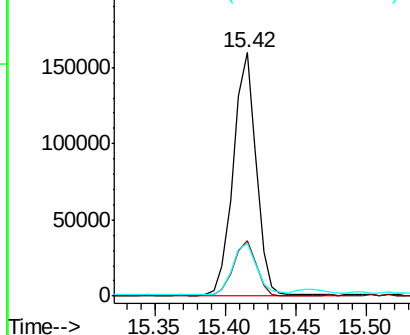
Lab File: BF119823.D

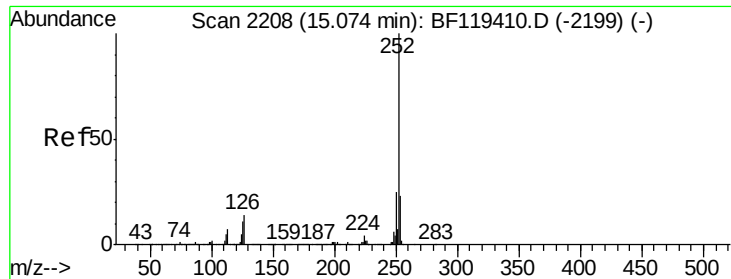
Acq: 7 Apr 2020 15:42

Tgt Ion:	264	Resp:	179872
Ion Ratio	Lower	Upper	
264	100		
260	22.7	18.7	28.1
265	21.5	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: 19.441 ng m

RT: 15.00 min Scan# 2195

Delta R.T. 0.01 min

Lab File: BF119823.D

Acq: 7 Apr 2020 15:42

Instrument :

BNA_F

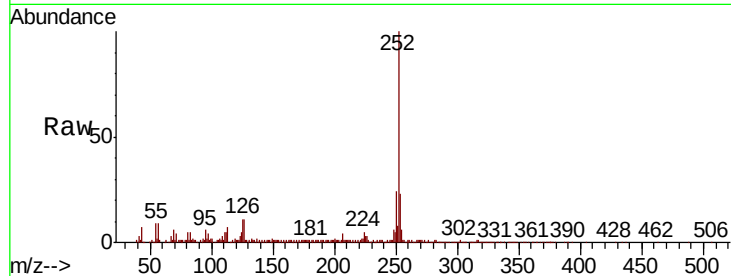
ClientSampleId :

TP-3DL

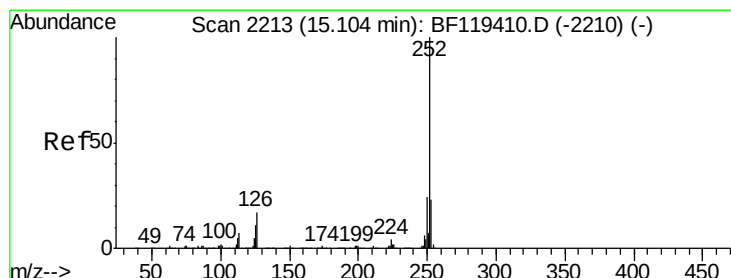
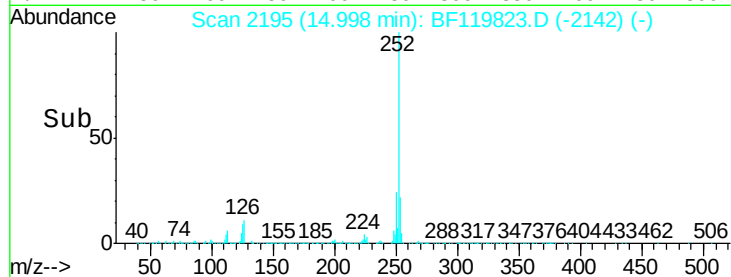
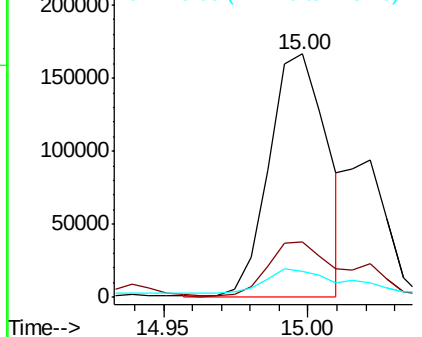
Tot Ion:	252	Resp:	233587
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.0
125	10.9	7.9	11.9

Manual Integrations
APPROVED

mohammad
4/8/2020 8:13:19 AM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 7.857 ng m

RT: 15.02 min Scan# 2199

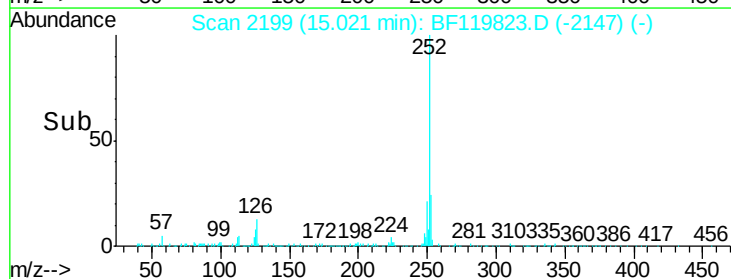
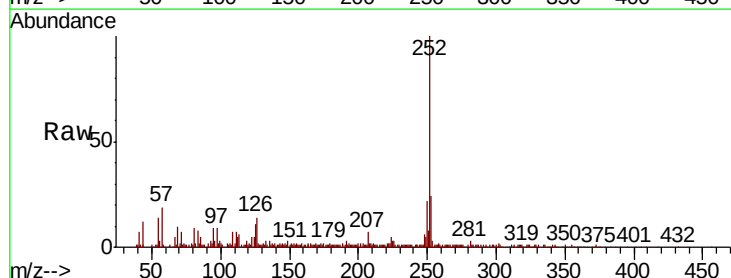
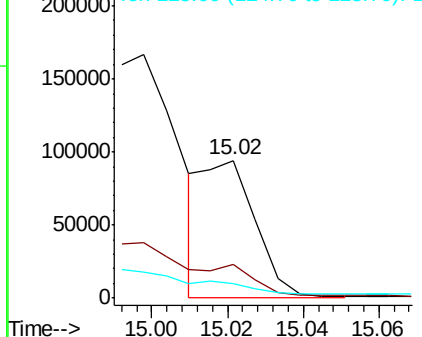
Delta R.T. 0.01 min

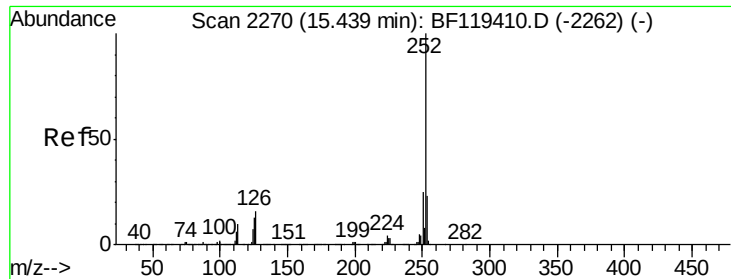
Lab File: BF119823.D

Acq: 7 Apr 2020 15:42

Tgt Ion:	252	Resp:	89890
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.8	26.6
125	10.9	8.4	12.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





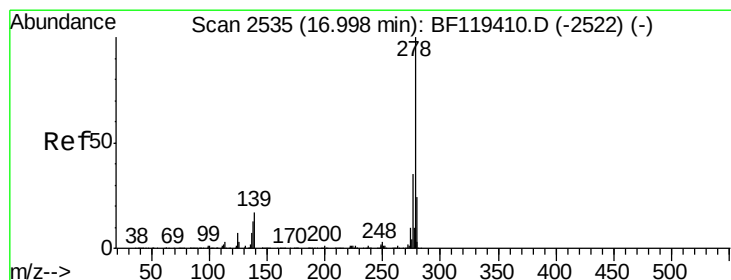
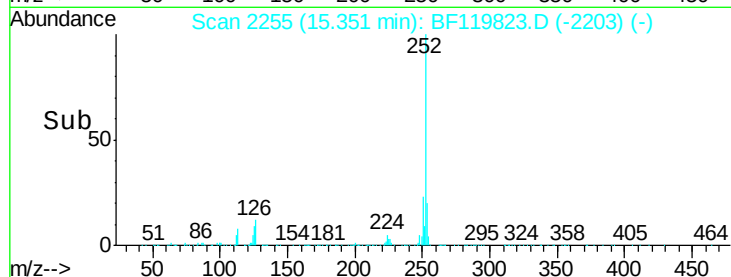
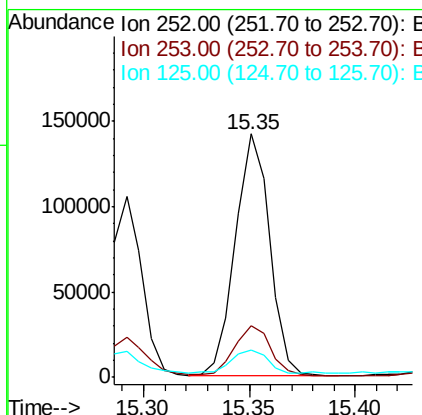
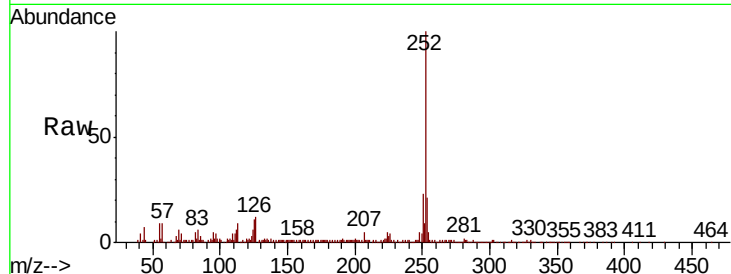
#90
Benzo(a)pyrene
Concen: 14.647 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF119823.D
Acq: 7 Apr 2020 15:42

Instrument :
BNA_F
ClientSampleId :
TP-3DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	159935		
253	21.5		18.2	27.2
125	11.1		9.4	14.2

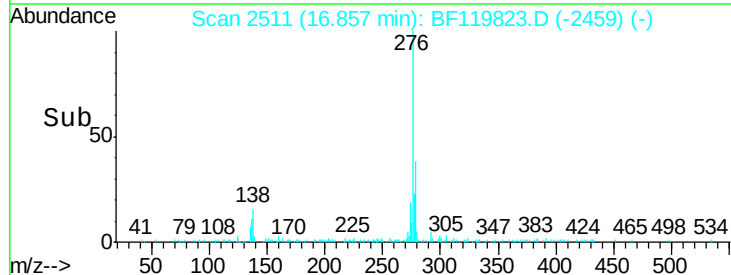
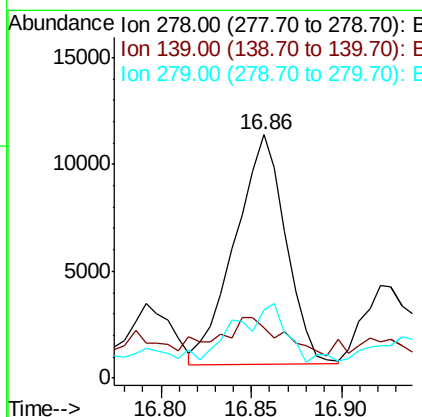
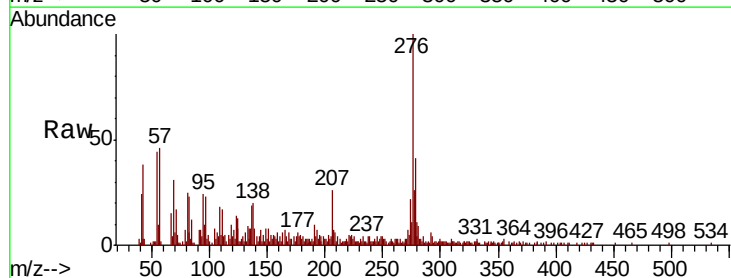
Manual Integrations
APPROVED

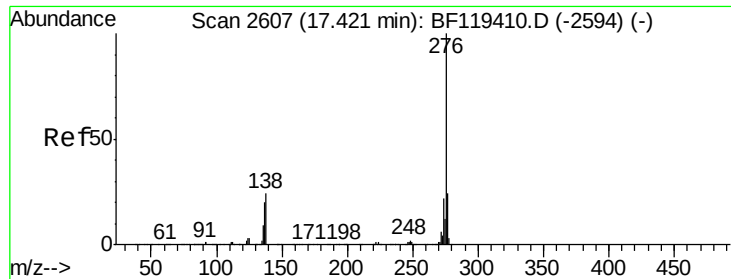
mohammad
4/8/2020 8:13:19 AM



#91
Dibenzo(a,h)anthracene
Concen: 2.192 ng
RT: 16.86 min Scan# 2511
Delta R.T. 0.01 min
Lab File: BF119823.D
Acq: 7 Apr 2020 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	20939		
139	20.7		12.6	19.0#
279	28.1		19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 9.144 ng
 RT: 17.27 min Scan# 2582
 Delta R.T. 0.01 min
 Lab File: BF119823.D
 Acq: 7 Apr 2020 15:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-3DL

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	24.6	18.4	27.6	
138	17.6	15.4	23.0	

Manual Integrations
 APPROVED

mohammad
 4/8/2020 8:13:19 AM

