

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
 Data File : BF119742.D
 Acq On : 4 Apr 2020 3:59
 Operator : MA/SJ
 Sample : L2129-41
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Manual Integrations
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mohammad
 4/6/2020 1:39:00 PM

Quant Time: Apr 04 05:25:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 11:59:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	197045	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	745960	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	359685	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	613288	20.00	ng	-0.02
76) Chrysene-d12	13.98	240	356939	20.00	ng	-0.02
87) Perylene-d12	15.43	264	398591	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1807738	146.05	ng	0.01
7) Phenol-d6	6.44	99	2338824	147.92	ng	0.00
23) Nitrobenzene-d5	7.37	82	1447356	105.45	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	555992	149.83	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	2463275	101.46	ng	-0.01
79) Terphenyl-d14	12.93	244	2058805	113.01	ng	-0.01
Target Compounds						
49) Acenaphthylene	9.70	152	135912	3.772	ng	Qvalue 97
50) Dimethylphthalate	9.56	163	300720	11.771	ng	98
52) Acenaphthene	9.87	154	74326	3.309	ng	97
55) Dibenzofuran	10.05	168	75572	2.346	ng	# 96
58) Fluorene	10.39	166	95919	4.027	ng	98
71) Phenanthrene	11.36	178	2568036	80.754	ng	100
72) Anthracene	11.41	178	356636	11.034	ng	97
73) Carbazole	11.56	167	206686	6.461	ng	97
75) Fluoranthene	12.56	202	3690688	107.238	ng	99
78) Pyrene	12.79	202	3755046	128.186	ng	98
81) Benzo(a)anthracene	13.97	228	1564820	67.417	ng	96
83) Chrysene	14.01	228	1672335	69.812	ng	98
84) Bis(2-ethylhexyl)phthalate	13.96	149	50224	3.556	ng	# 79
86) Indeno(1,2,3-cd)pyrene	16.89	276	919387	40.752	ng	96
88) Benzo(b)fluoranthene	15.02	252	2022937m	75.977	ng	
89) Benzo(k)fluoranthene	15.04	252	756550m	29.840	ng	
90) Benzo(a)pyrene	15.38	252	1519553	62.799	ng	99
91) Dibenzo(a,h)anthracene	16.89	278	222747	10.525	ng	96
92) Benzo(a,h,i)perylene	17.32	276	840190	39.515	ng	97

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

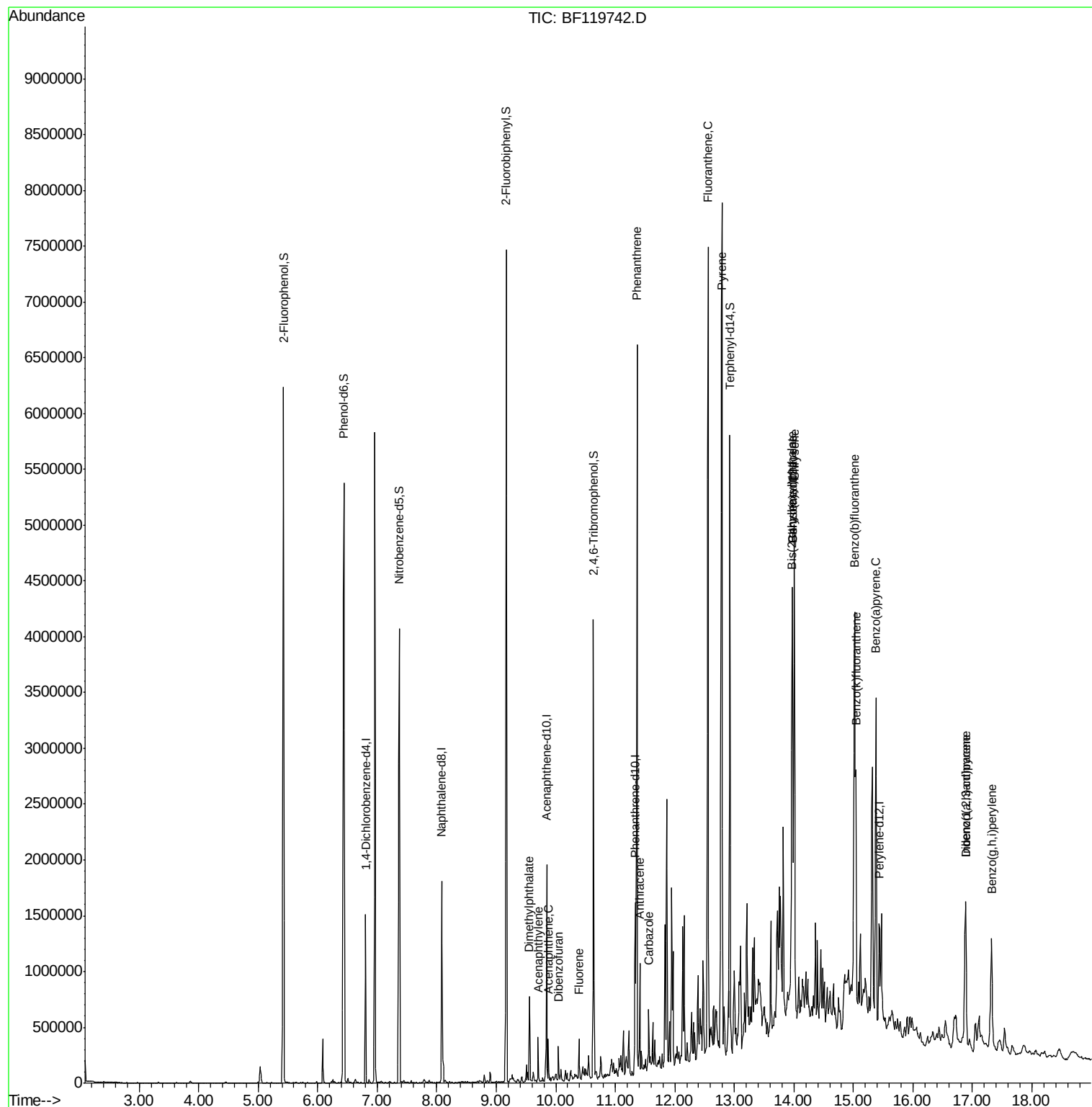
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
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ALS Vial : 31 Sample Multiplier: 1

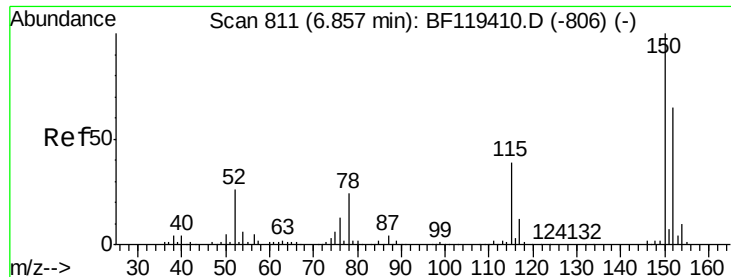
Instrument :
BNA_F
ClientSampleId :
TP-3

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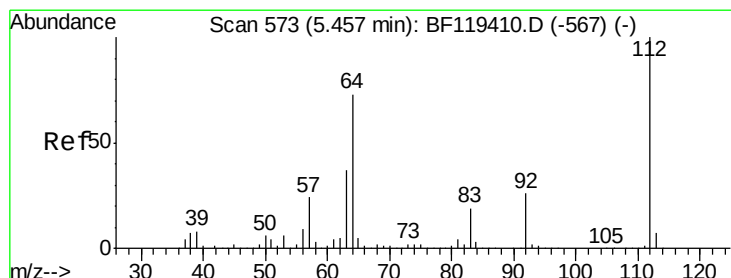
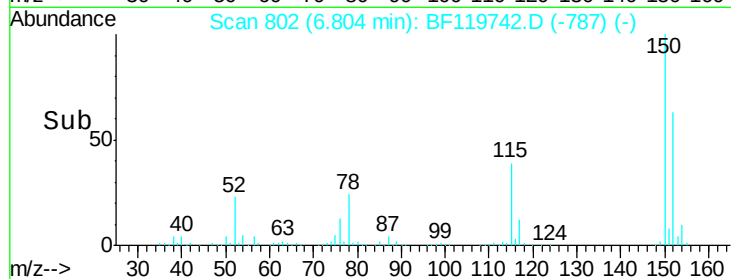
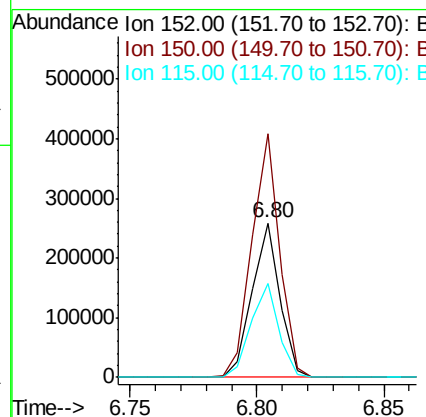
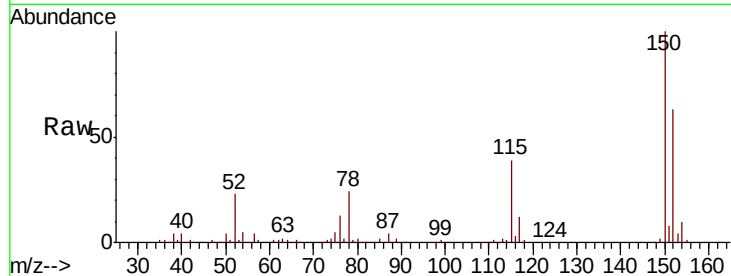
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF119742.D
 Acq: 4 Apr 2020 3:59

Instrument :
 BNA_F
 ClientSampled :
 TP-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.5	186.7
115	60.9	49.6	74.4

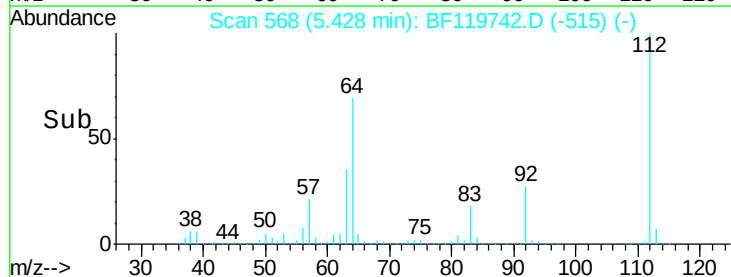
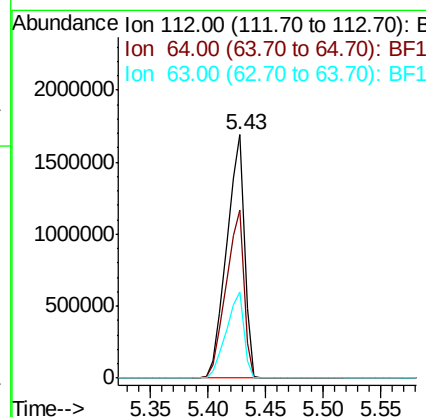
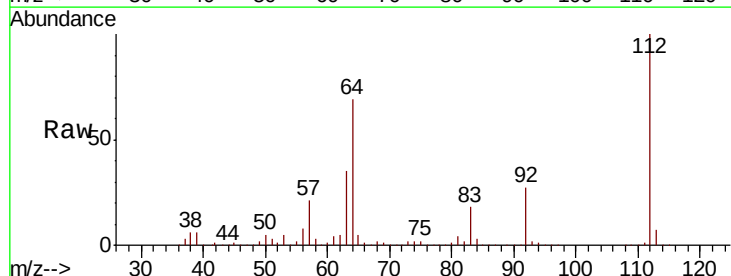
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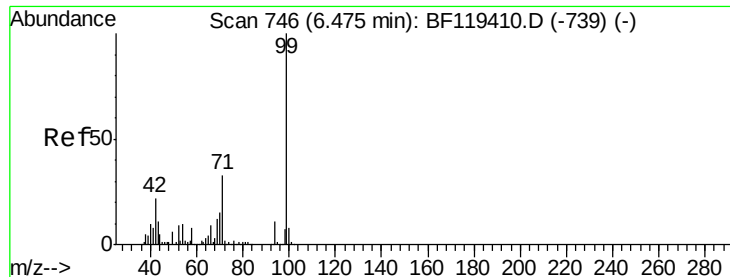
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#5
 2-Fluorophenol
 Concen: 146.045 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF119742.D
 Acq: 4 Apr 2020 3:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.9	56.7	85.1
63	35.2	29.5	44.3





#7

Phenol-d6

Concen: 147.915 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119742.D

Acq: 4 Apr 2020 3:59

Instrument :

BNA_F

ClientSampled :

TP-3

Tot Ion: 99 Resp: 2338824

Ion Ratio Lower Upper

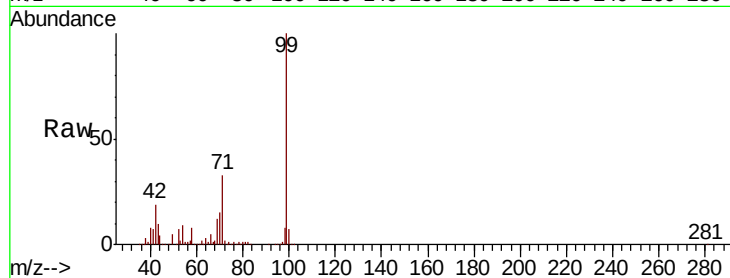
99 100

42 19.4 16.6 24.8

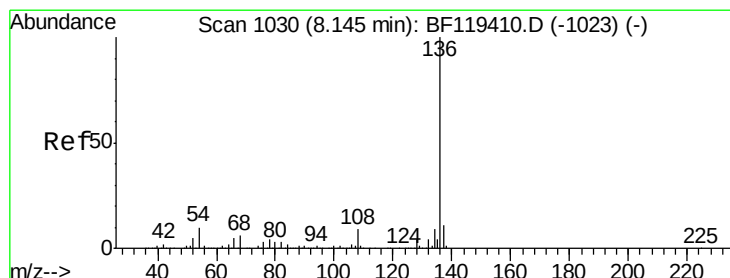
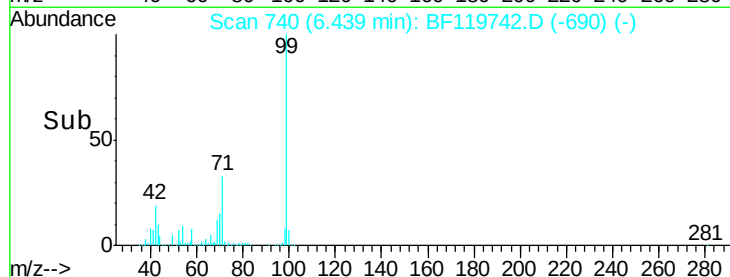
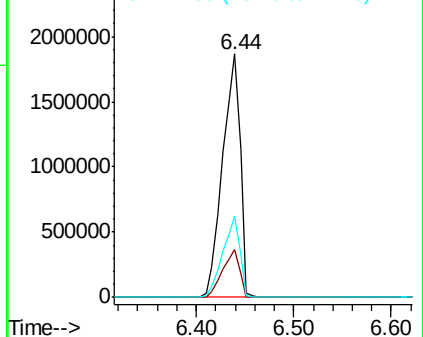
71 33.3 26.4 39.6

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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: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF119742.D

Acq: 4 Apr 2020 3:59

Tgt Ion: 136 Resp: 745960

Ion Ratio Lower Upper

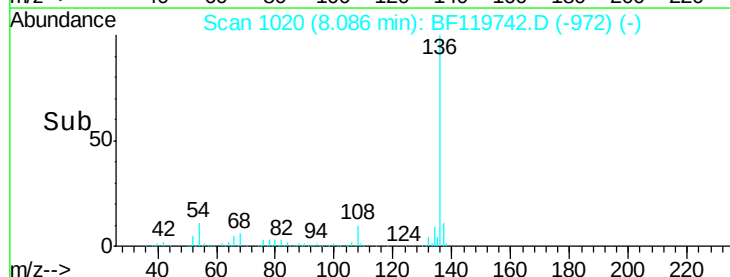
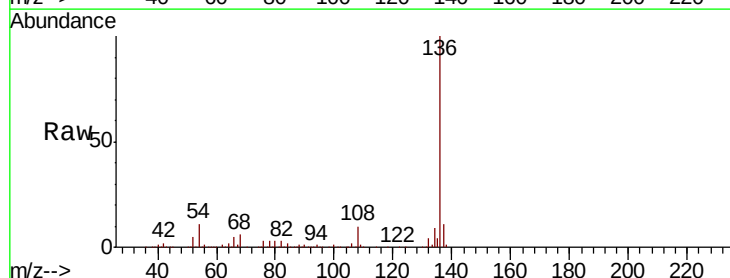
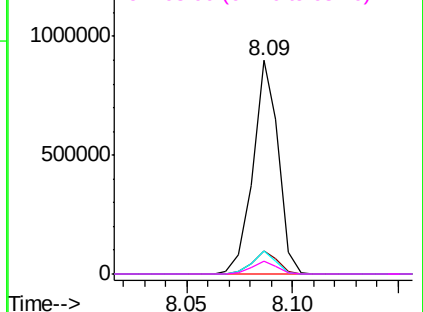
136 100

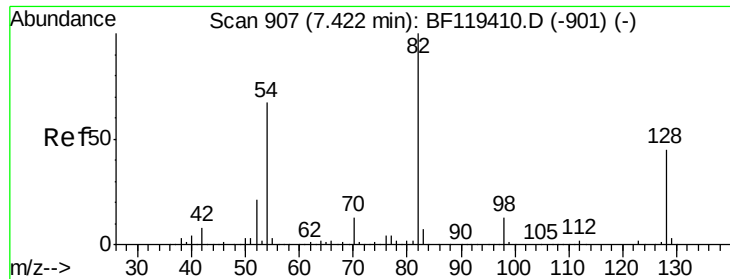
137 10.8 8.7 13.1

54 10.6 9.1 13.7

68 6.0 4.6 6.8

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





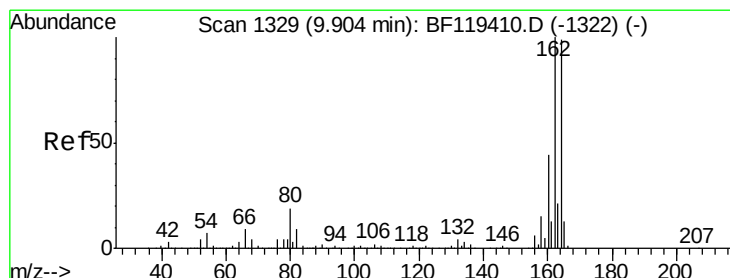
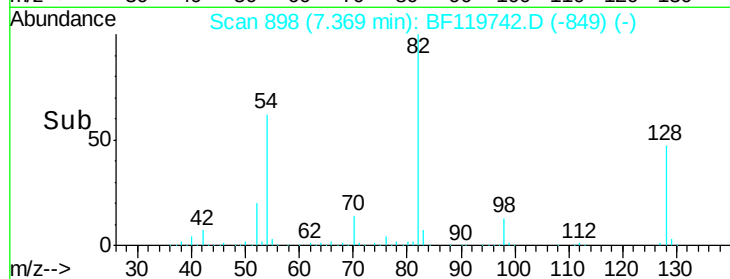
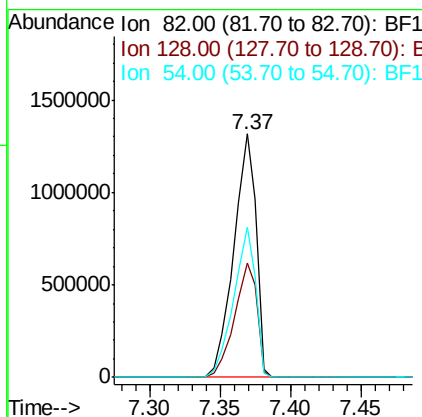
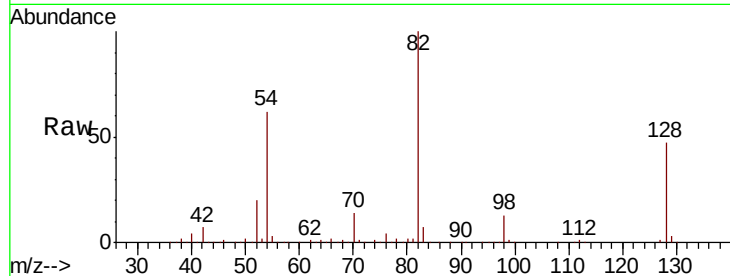
#23
 Nitrobenzene-d5
 Concen: 105.449 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF119742.D
 Acq: 4 Apr 2020 3:59

Instrument :
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 ClientSampled :
 TP-3

Tot Ion: 82 Resp: 1447356
 Ion Ratio Lower Upper
 82 100
 128 46.9 36.3 54.5
 54 61.8 50.6 75.8

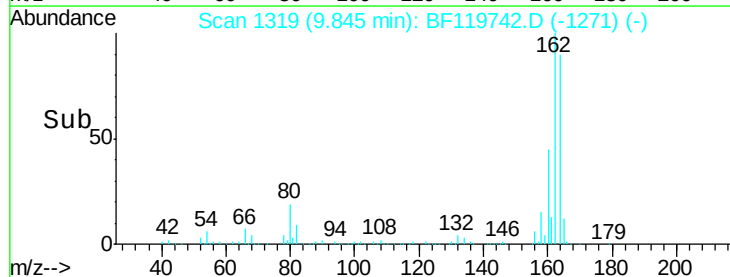
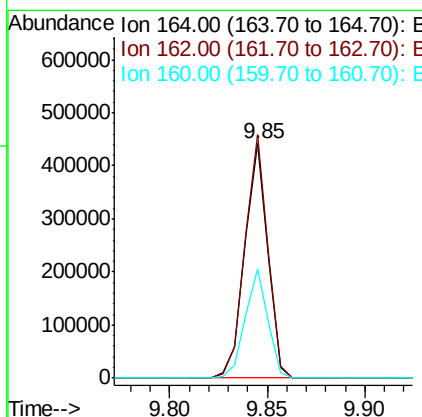
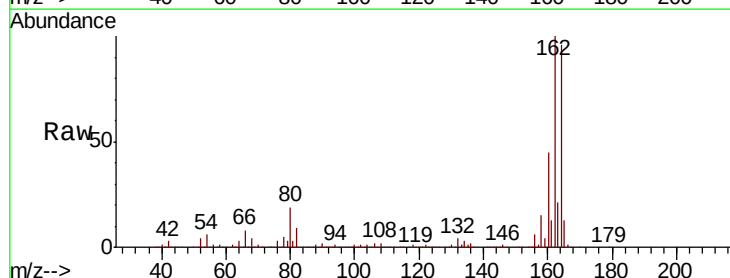
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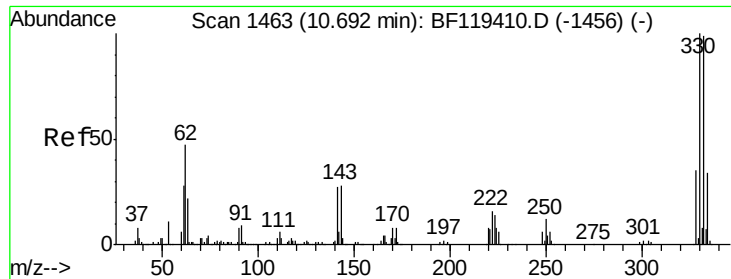
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: BF119742.D
 Acq: 4 Apr 2020 3:59

Tgt Ion: 164 Resp: 359685
 Ion Ratio Lower Upper
 164 100
 162 104.0 80.6 121.0
 160 46.7 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 149.833 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF119742.D

Acq: 4 Apr 2020 3:59

Instrument :

BNA_F

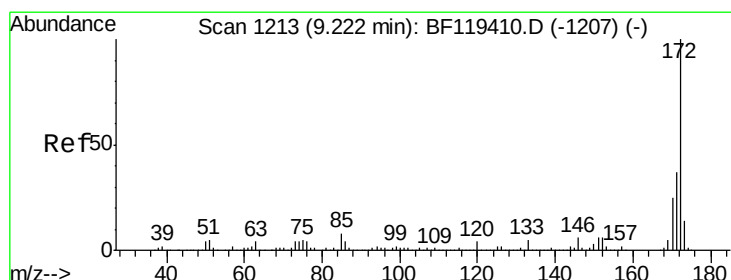
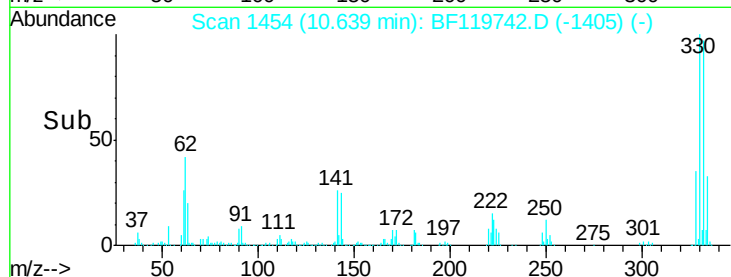
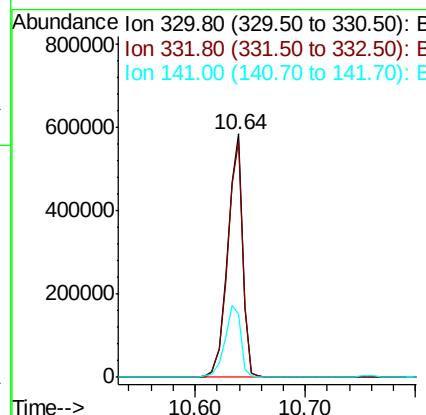
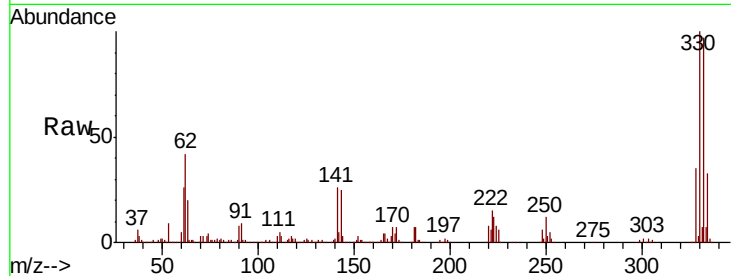
ClientSampled :

TP-3

Tot Ion:	330	Resp:	555992
Ion Ratio	Lower	Upper	
330	100		
332	97.4	75.7	113.5
141	31.1	25.4	38.0

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#45

2-Fluorobiphenyl

Concen: 101.457 ng

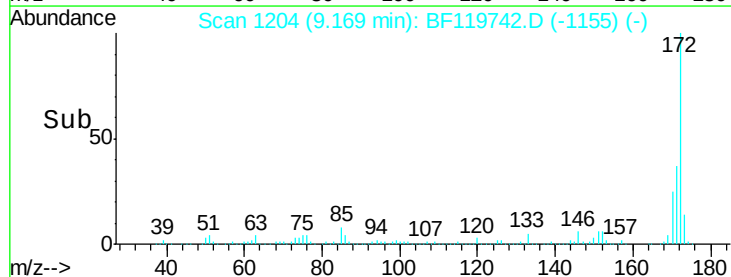
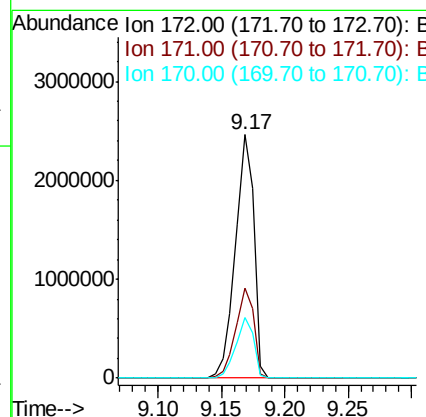
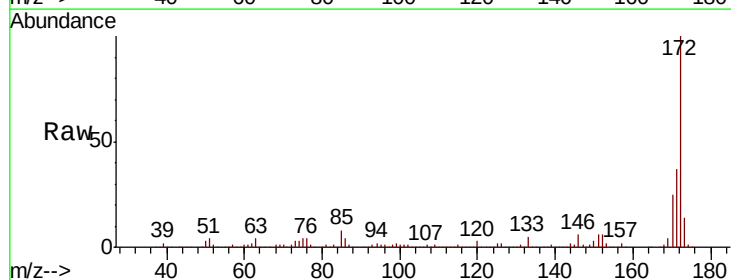
RT: 9.17 min Scan# 1204

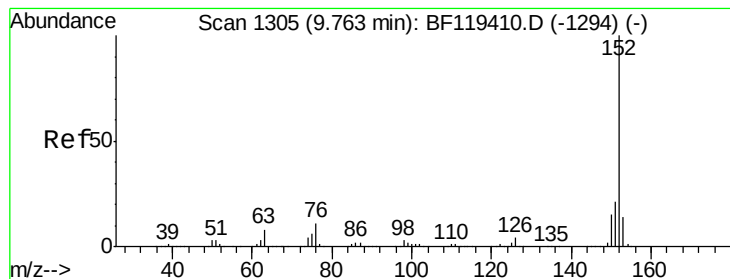
Delta R.T. -0.01 min

Lab File: BF119742.D

Acq: 4 Apr 2020 3:59

Tgt Ion:	172	Resp:	2463275
Ion Ratio	Lower	Upper	
172	100		
171	36.8	29.6	44.4
170	24.8	20.2	30.2





#49

Acenaphthylene

Concen: 3.772 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF119742.D

Acq: 4 Apr 2020 3:59

Instrument :

BNA_F

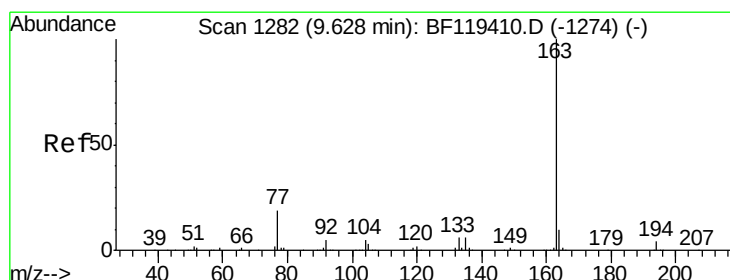
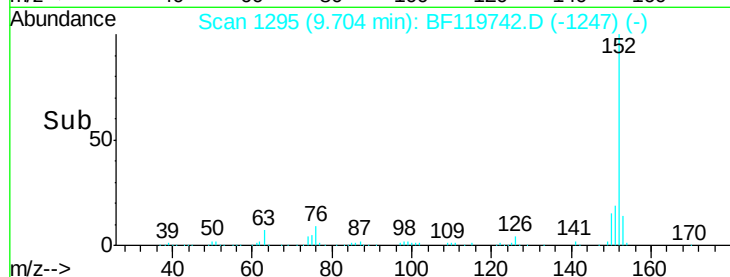
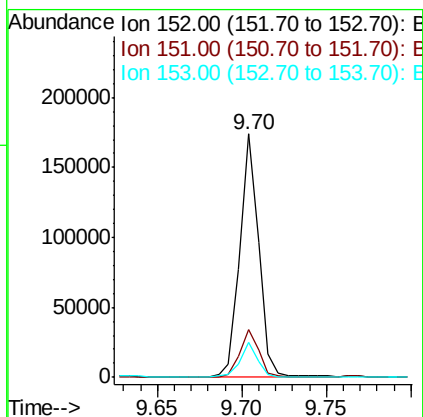
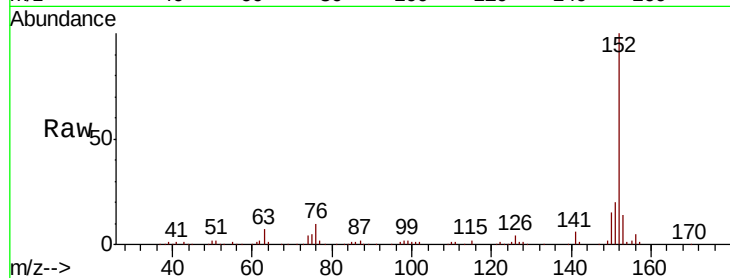
ClientSampleId :

TP-3

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	17.2	25.8
153	14.5	11.2	16.8

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#50

Dimethylphthalate

Concen: 11.771 ng

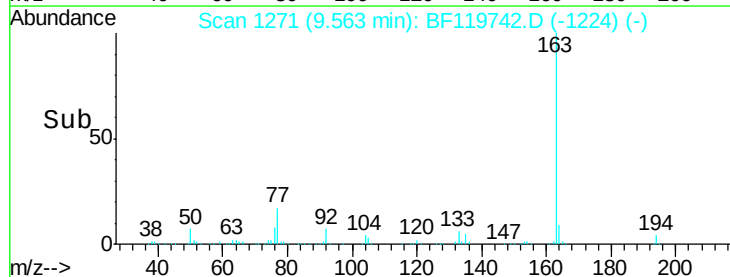
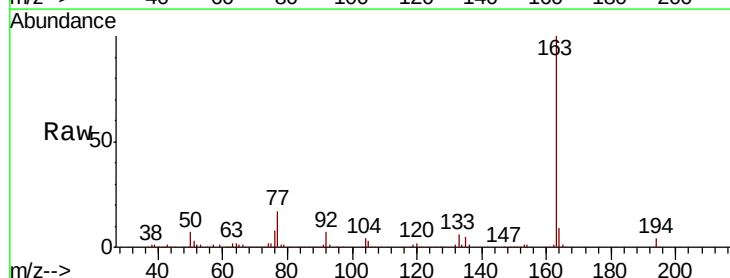
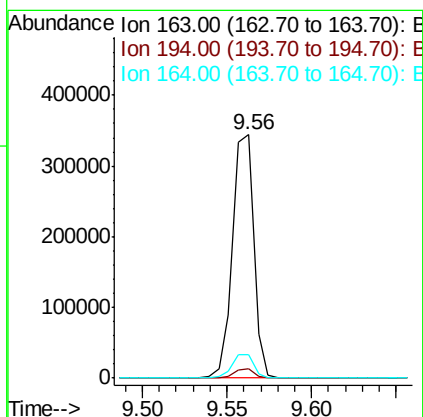
RT: 9.56 min Scan# 1271

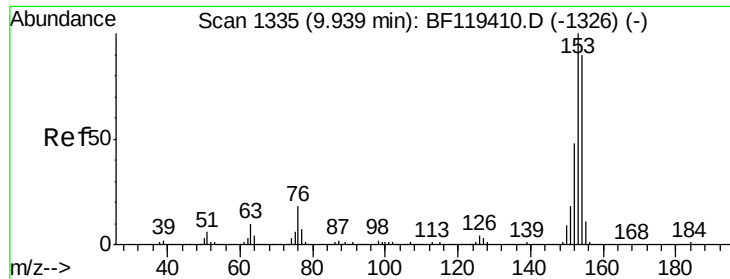
Delta R.T. -0.02 min

Lab File: BF119742.D

Acq: 4 Apr 2020 3:59

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	9.4	8.2	12.2





#52

Acenaphthene

Concen: 3.309 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF119742.D

Acq: 4 Apr 2020 3:59

Instrument :

BNA_F

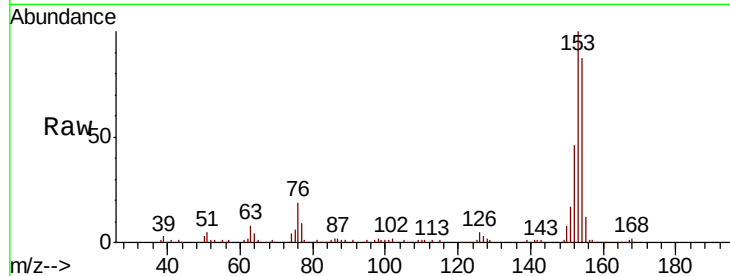
ClientSampleId :

TP-3

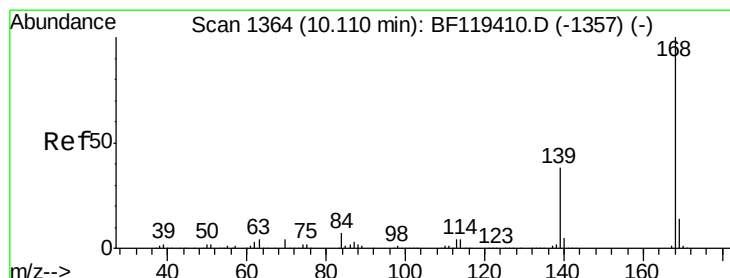
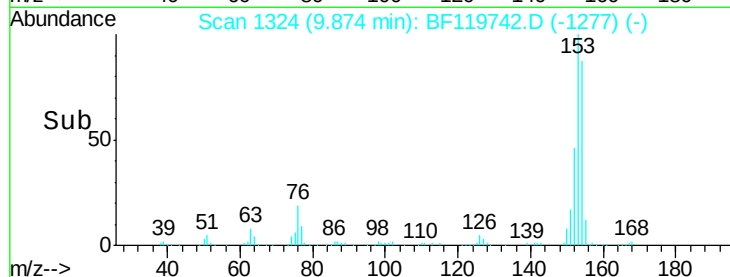
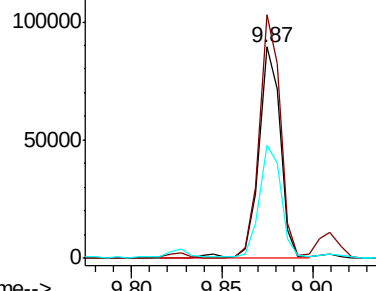
Tot Ion:	154	Resp:	74326
Ion Ratio	Lower	Upper	
154	100		
153	115.1	88.1	132.1
152	53.4	43.0	64.4

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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

Dibenzofuran

Concen: 2.346 ng

RT: 10.05 min Scan# 1353

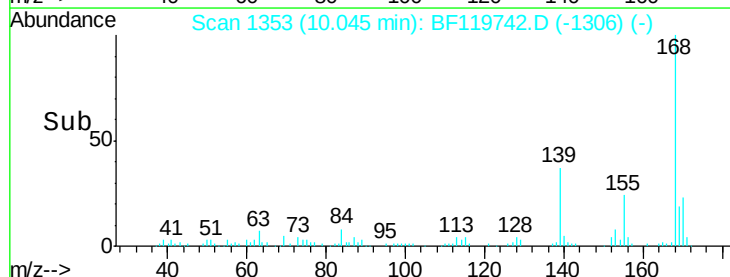
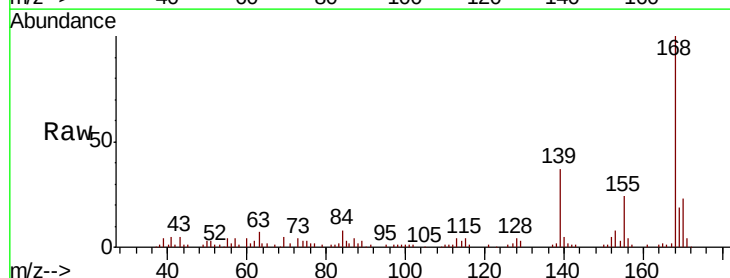
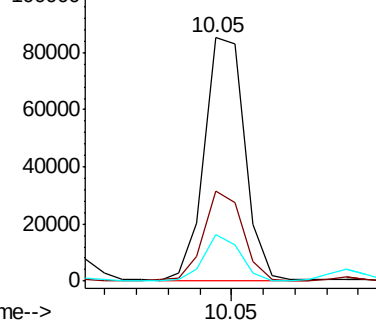
Delta R.T. -0.02 min

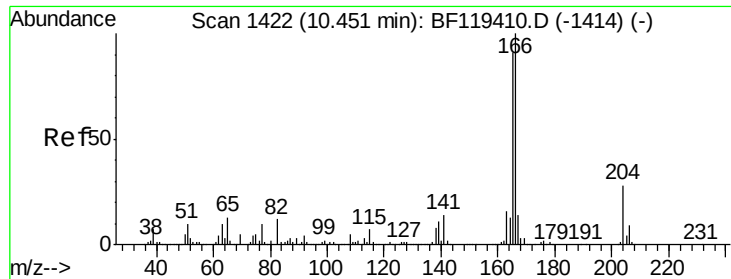
Lab File: BF119742.D

Acq: 4 Apr 2020 3:59

Tgt Ion:	168	Resp:	75572
Ion Ratio	Lower	Upper	
168	100		
139	36.9	30.1	45.1
169	19.2	11.0	16.6#

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





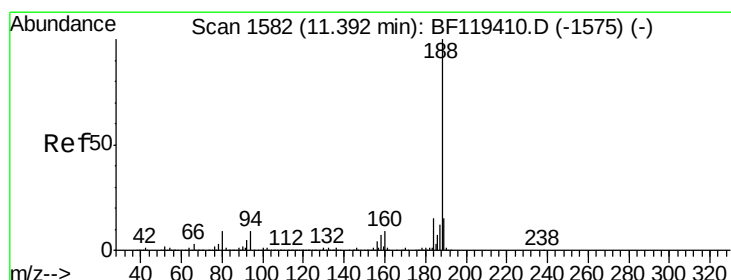
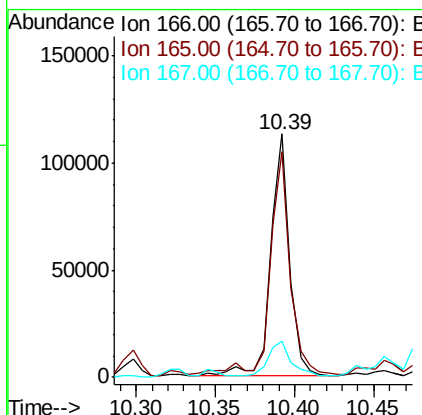
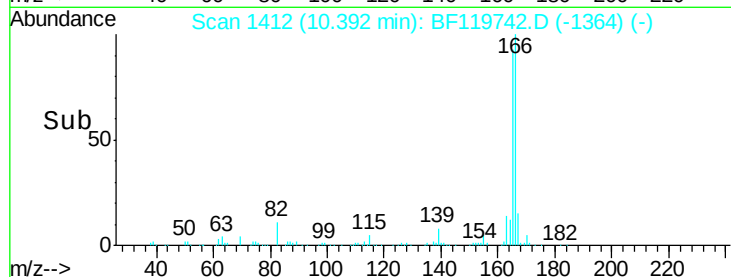
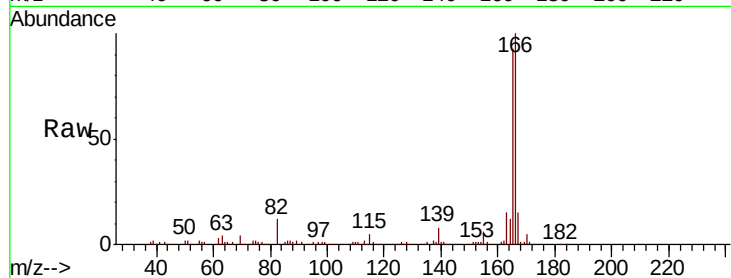
#58
 Fluorene
 Concen: 4.027 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.02 min
 Lab File: BF119742.D
 Acq: 4 Apr 2020 3:59

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		95919		
165	92.8	75.4	113.2		
167	15.1	11.2	16.8		

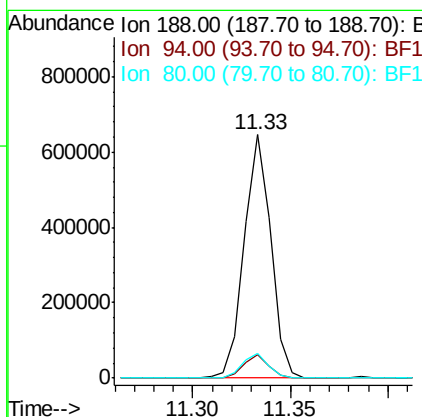
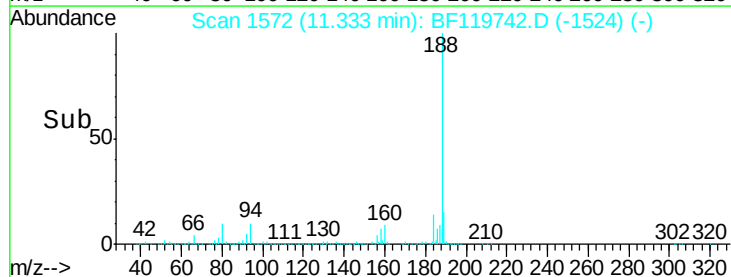
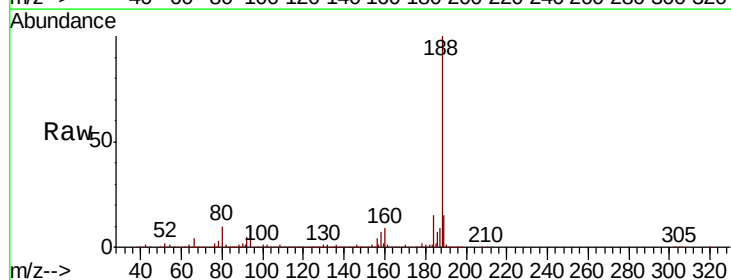
Manual Integrations
 APPROVED

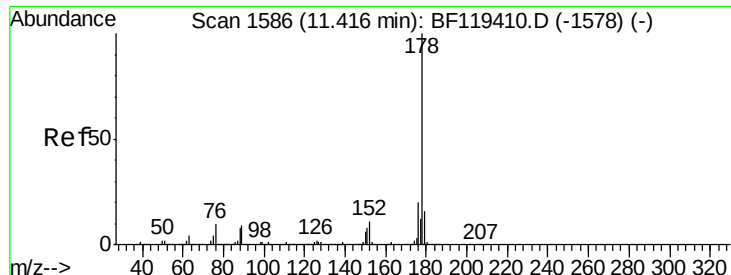
mohammad
 4/6/2020 1:39:00 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: BF119742.D
 Acq: 4 Apr 2020 3:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		613288		
94	9.5	7.5	11.3		
80	9.9	9.0	13.4		





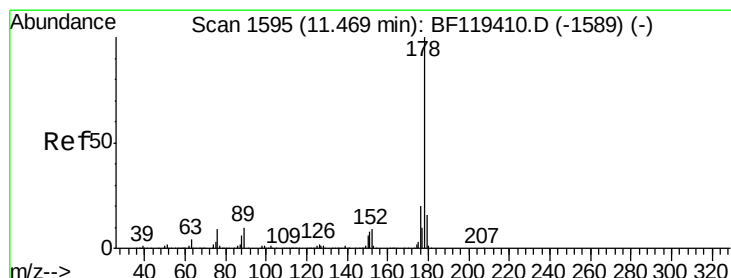
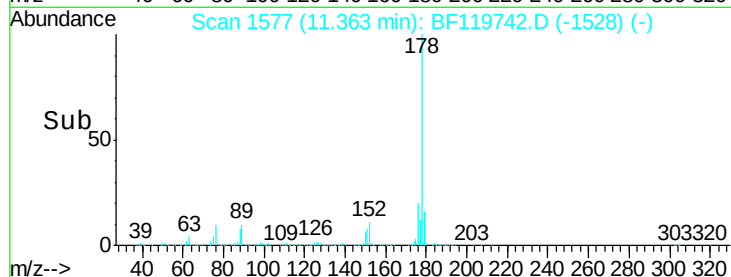
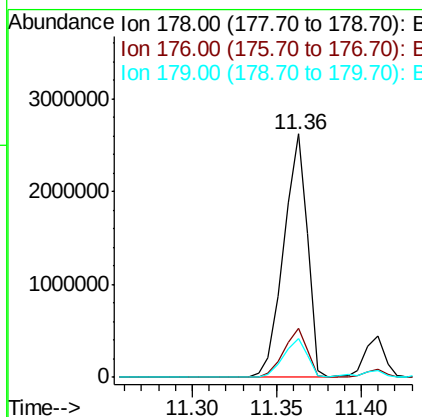
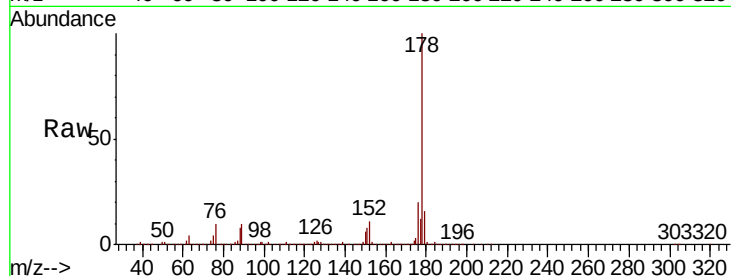
#71
Phenanthrene
Concen: 80.754 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF119742.D
Acq: 4 Apr 2020 3:59

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.2	24.4
179	16.2	13.2	19.8

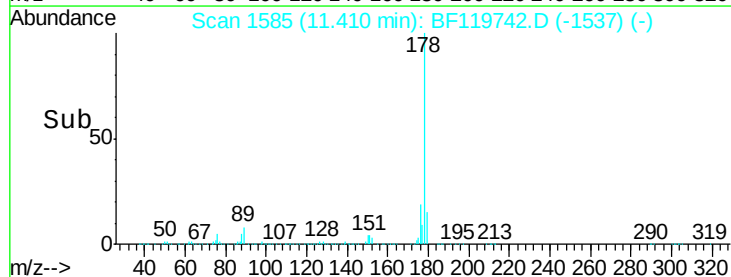
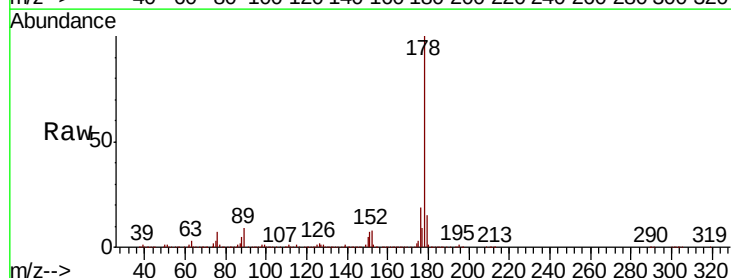
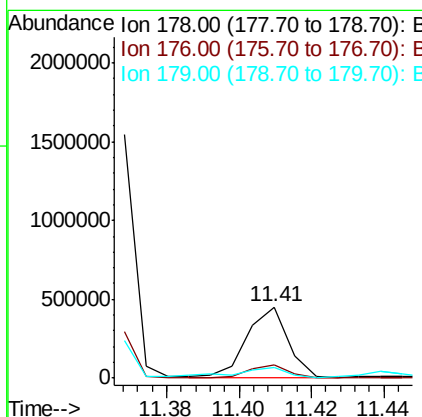
Manual Integrations
APPROVED

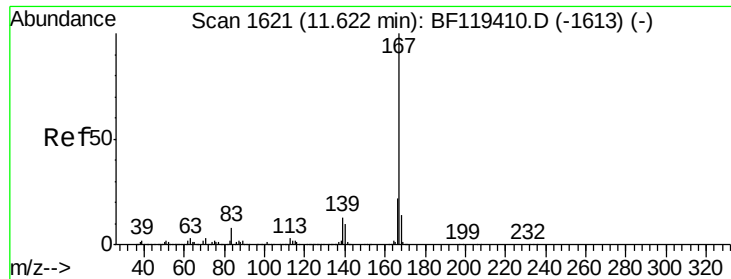
mohammad
4/6/2020 1:39:00 PM



#72
Anthracene
Concen: 11.034 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.02 min
Lab File: BF119742.D
Acq: 4 Apr 2020 3:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.1	24.1
179	14.8	13.0	19.4





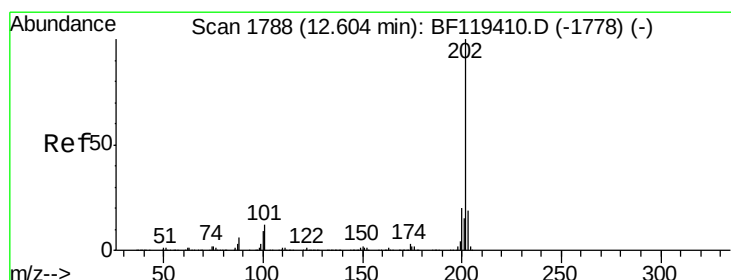
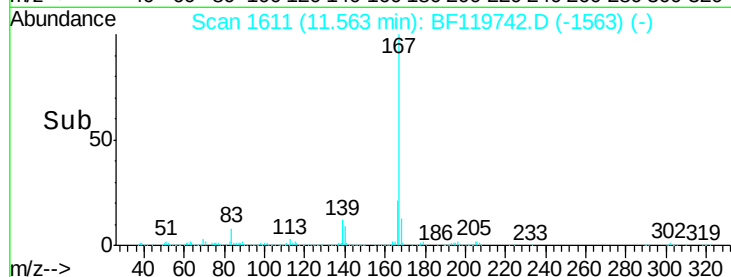
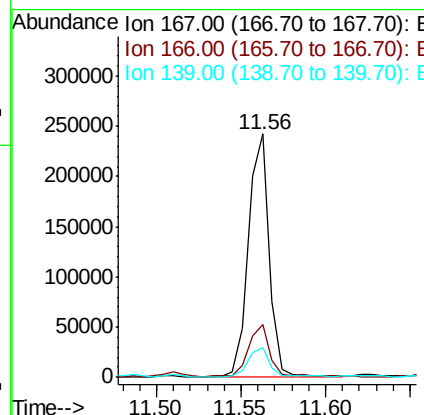
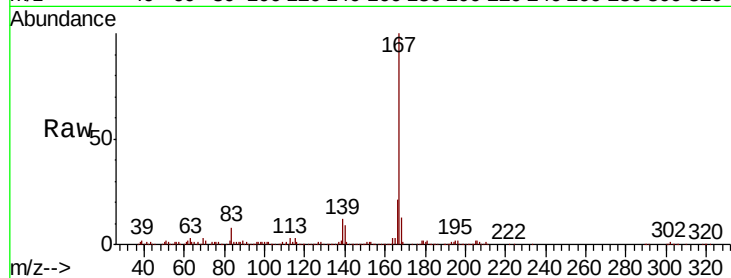
#73
 Carbazole
 Concen: 6.461 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.02 min
 Lab File: BF119742.D
 Acq: 4 Apr 2020 3:59

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tot Ion	Ratio	Resp	Lower	Upper
167	100	206686		
166	21.5		18.2	27.4
139	12.3		10.7	16.1

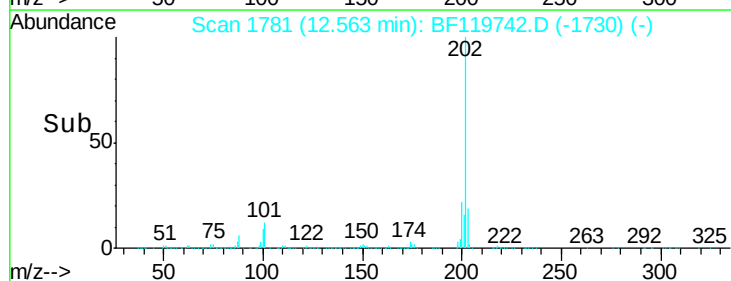
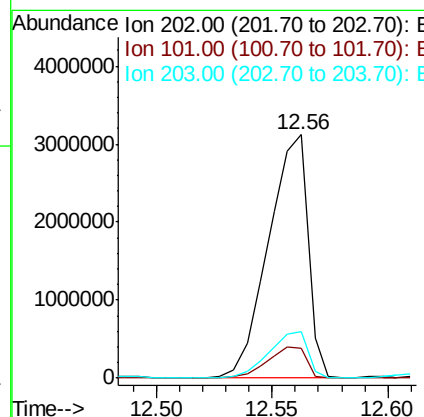
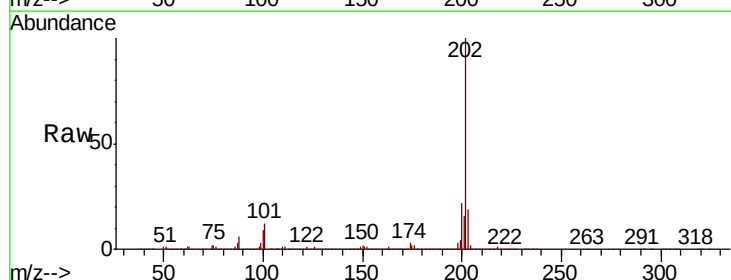
Manual Integrations
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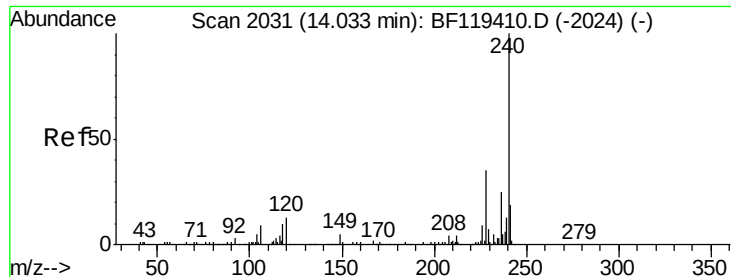
mohammad
 4/6/2020 1:39:00 PM



#75
 Fluoranthene
 Concen: 107.238 ng
 RT: 12.56 min Scan# 1781
 Delta R.T. -0.00 min
 Lab File: BF119742.D
 Acq: 4 Apr 2020 3:59

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	3690688		
101	12.2		0.0	32.2
203	19.3		0.0	38.8





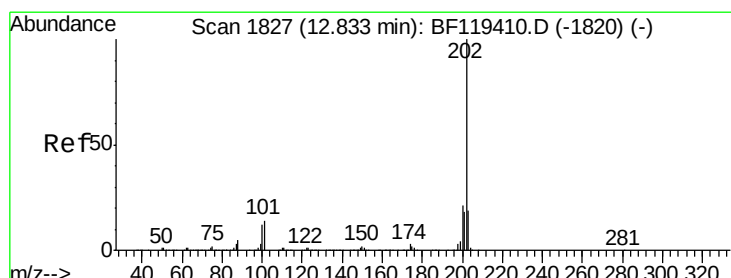
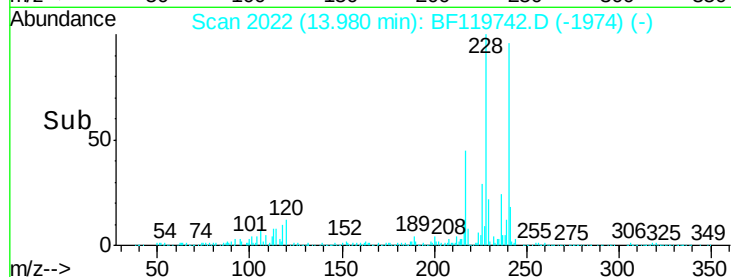
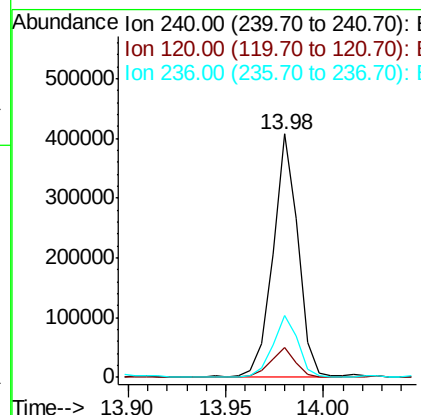
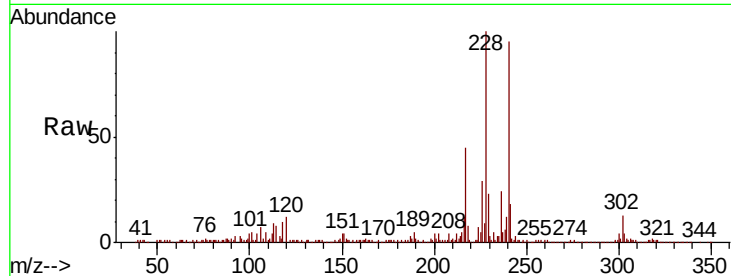
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF119742.D
Acq: 4 Apr 2020 3:59

Instrument :
BNA_F
ClientSampled :
TP-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.2	10.6	15.8
236	25.3	20.2	30.2

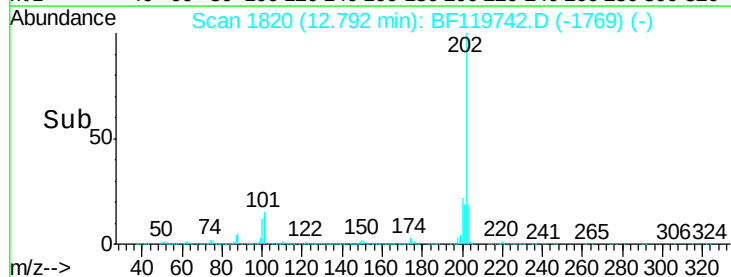
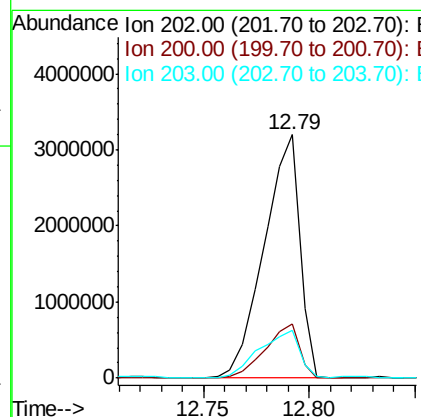
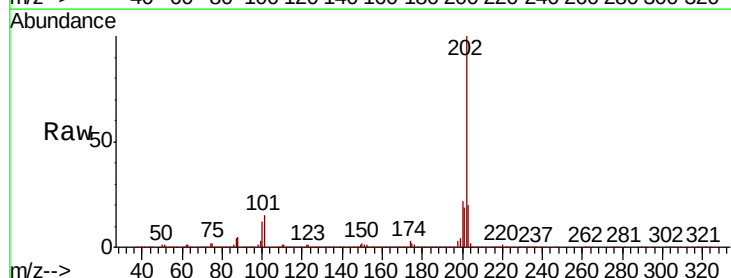
Manual Integrations
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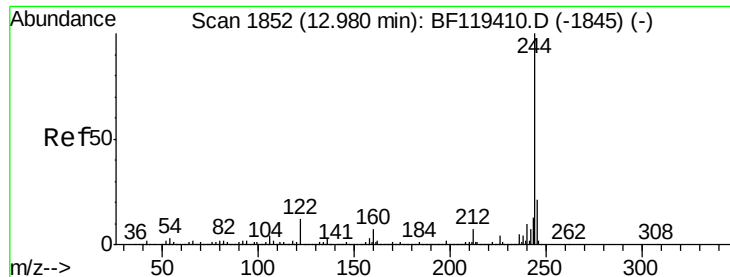
mohammad
4/6/2020 1:39:00 PM



#78
Pyrene
Concen: 128.186 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BF119742.D
Acq: 4 Apr 2020 3:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	16.8	25.2
203	19.7	15.1	22.7





#79

Terphenyl-d14

Concen: 113.006 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF119742.D

Acq: 4 Apr 2020 3:59

Instrument :

BNA_F

ClientSampled :

TP-3

Tot Ion:244 Resp: 2058805

Ion Ratio Lower Upper

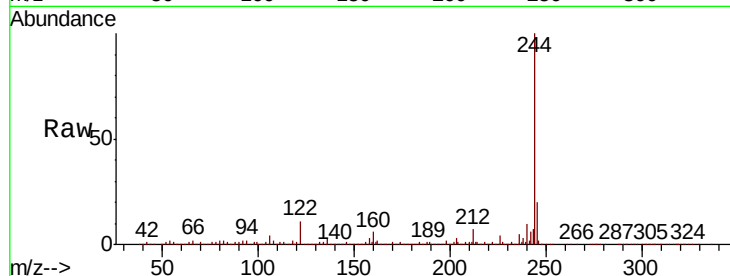
244 100

212 6.6 5.8 8.8

122 10.9 10.3 15.5

Manual Integrations
APPROVED

mohammad
4/6/2020 1:39:00 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

2500000

2000000

1500000

1000000

500000

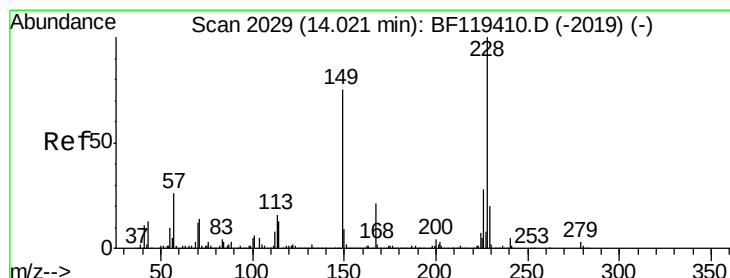
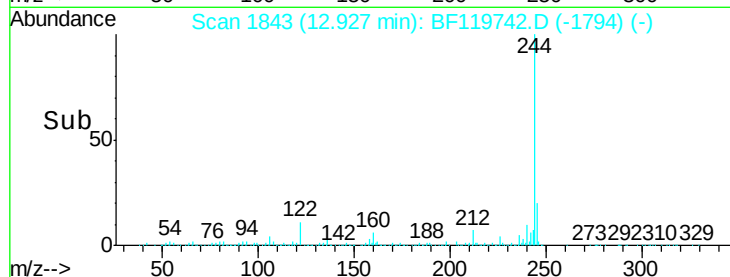
0

12.80

12.90

13.00

Time-->



#81

Benzo(a)anthracene

Concen: 67.417 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.02 min

Lab File: BF119742.D

Acq: 4 Apr 2020 3:59

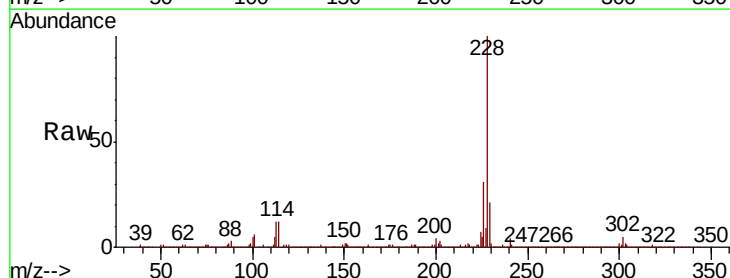
Tgt Ion:228 Resp: 1564820

Ion Ratio Lower Upper

228 100

226 30.5 21.8 32.8

229 20.7 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

2000000

1500000

1000000

500000

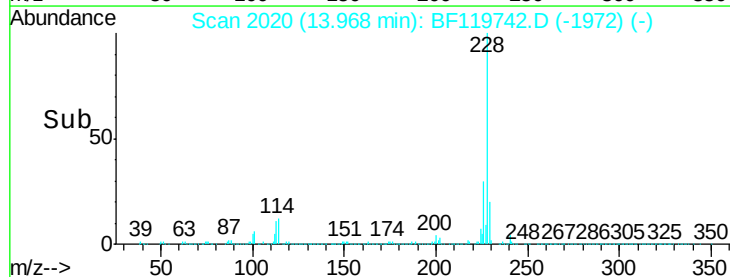
0

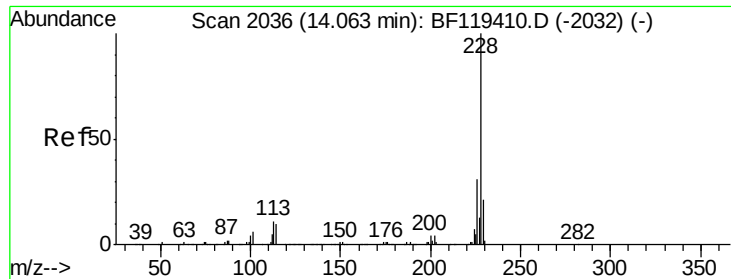
13.95

13.97

14.00

Time-->





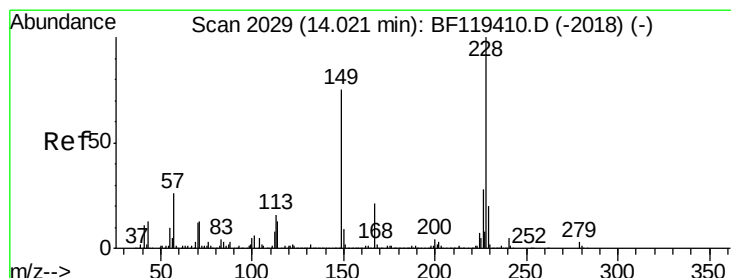
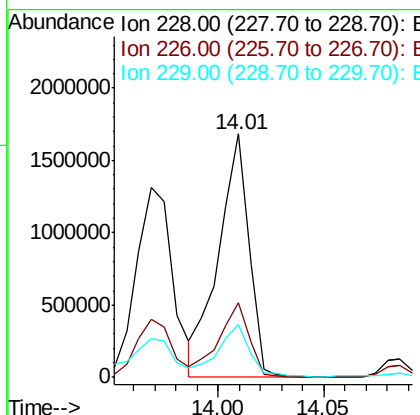
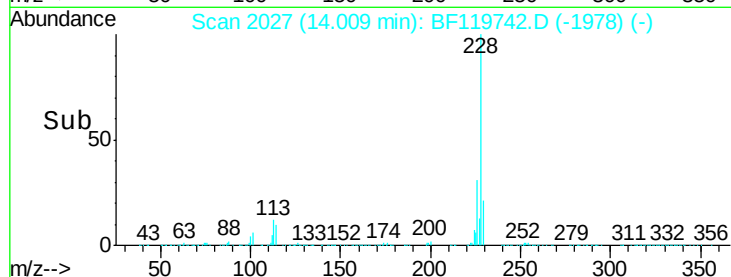
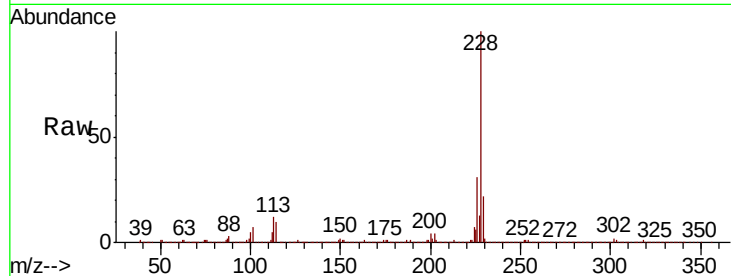
#83
Chrysene
Concen: 69.812 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF119742.D
Acq: 4 Apr 2020 3:59

Instrument :
BNA_F
ClientSampled :
TP-3

Tot Ion:228 Resp: 1672335
Ion Ratio Lower Upper
228 100
226 30.8 25.4 38.0
229 21.7 16.6 24.8

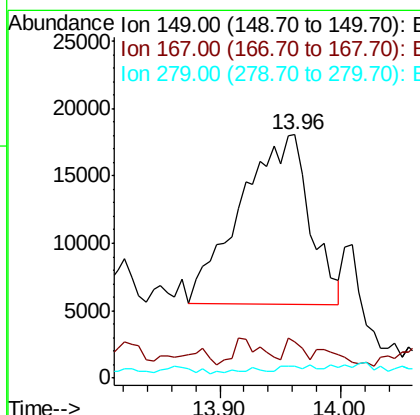
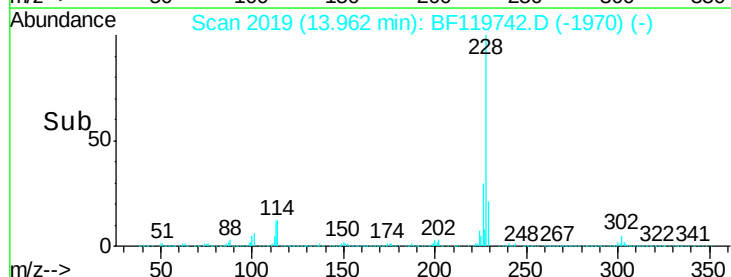
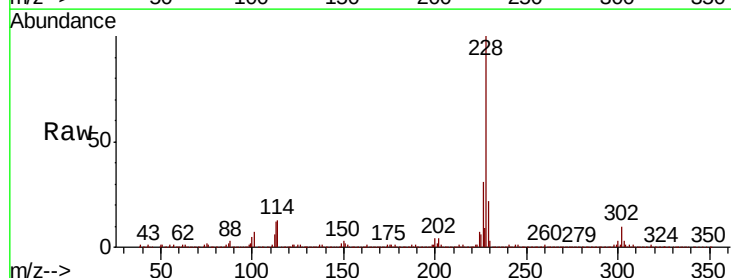
Manual Integrations
APPROVED

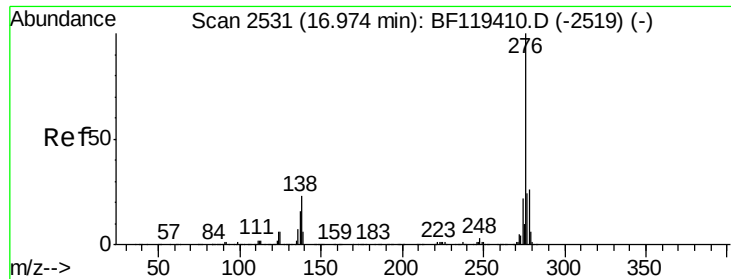
mohammad
4/6/2020 1:39:00 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.556 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF119742.D
Acq: 4 Apr 2020 3:59

Tgt Ion:149 Resp: 50224
Ion Ratio Lower Upper
149 100
167 15.0 21.3 31.9#
279 4.9 2.7 4.1#





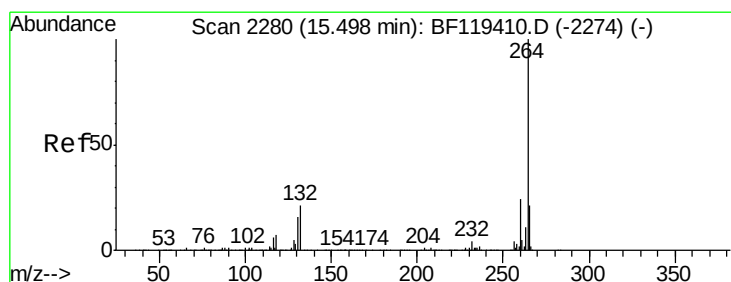
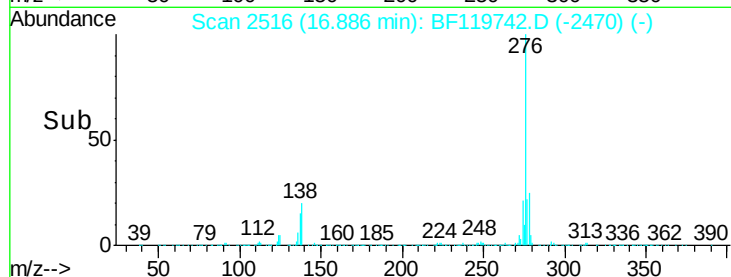
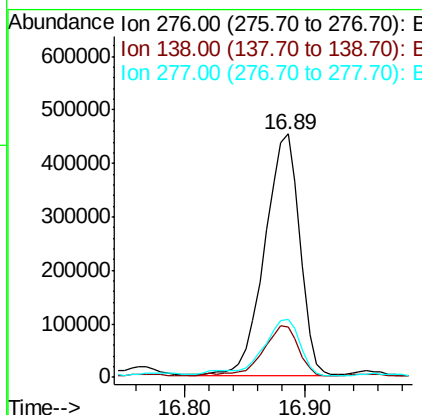
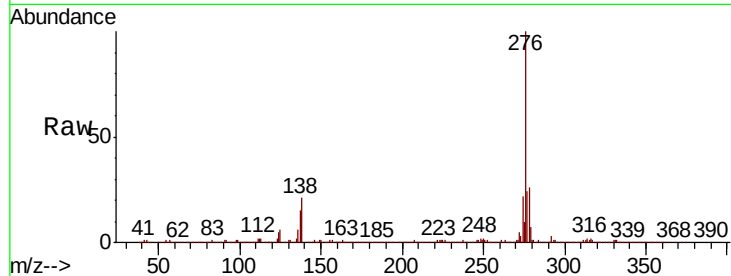
#86
Indeno(1,2,3-cd)pyrene
Concen: 40.752 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.03 min
Lab File: BF119742.D
Acq: 4 Apr 2020 3:59

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.7	19.6	29.4
277	24.0	20.0	30.0

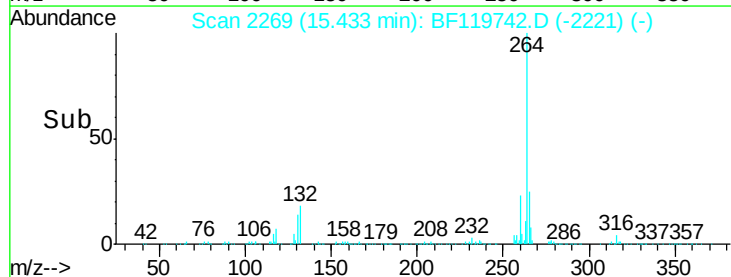
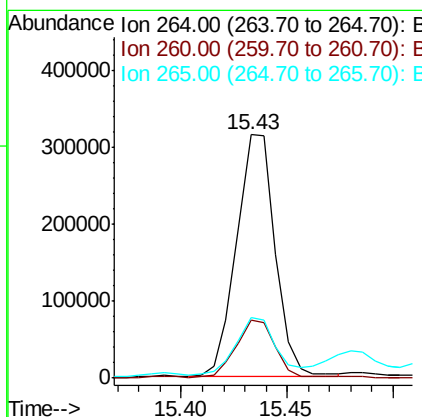
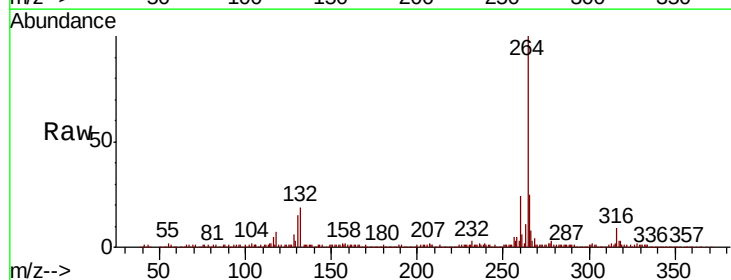
Manual Integrations
APPROVED

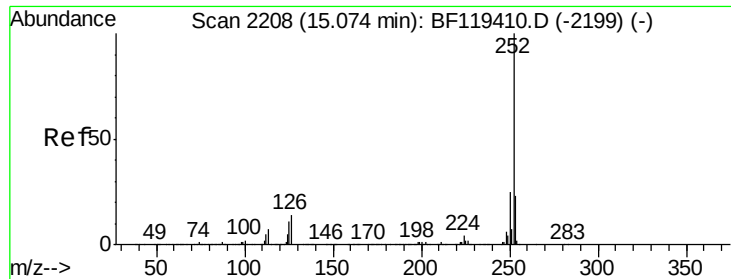
mohammad
4/6/2020 1:39:00 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF119742.D
Acq: 4 Apr 2020 3:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	24.9	17.7	26.5





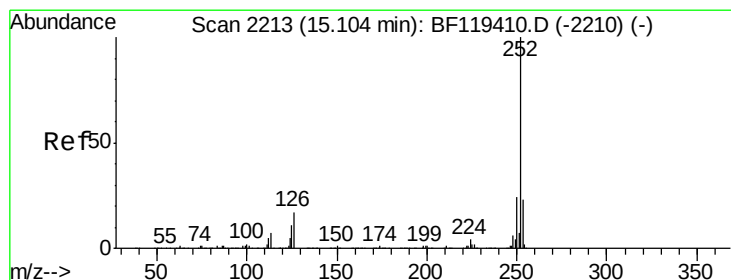
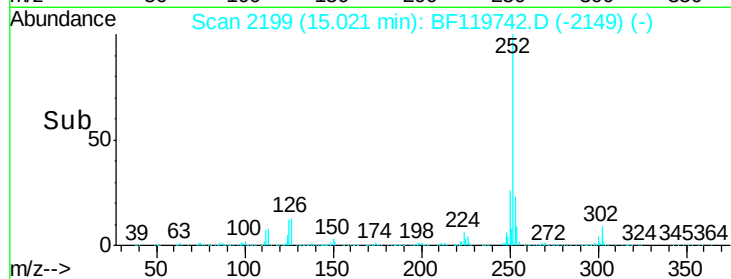
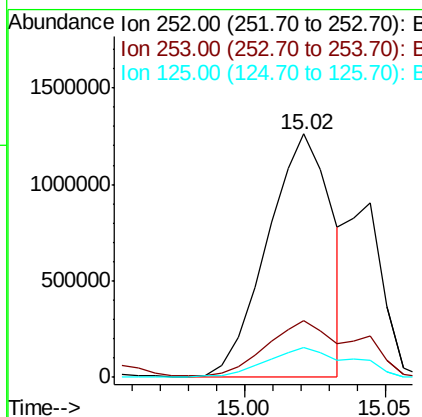
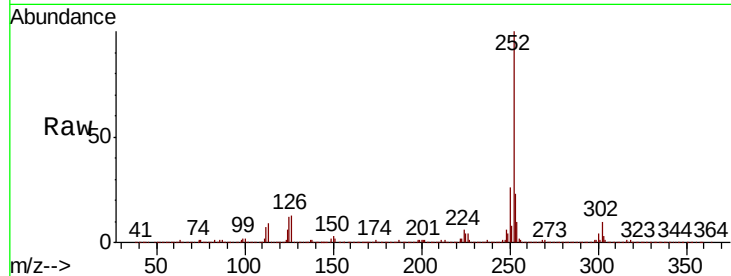
#88
Benzo(b)fluoranthene
Concen: 75.977 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF119742.D
Acq: 4 Apr 2020 3:59

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	12.2	7.9	11.9

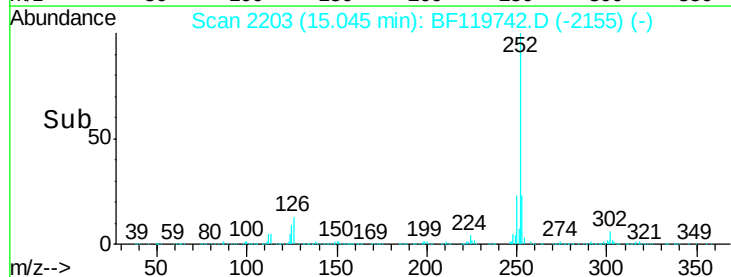
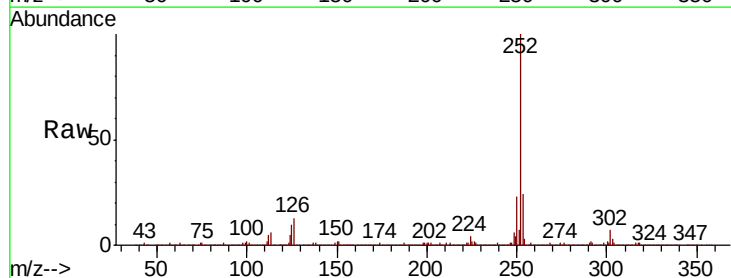
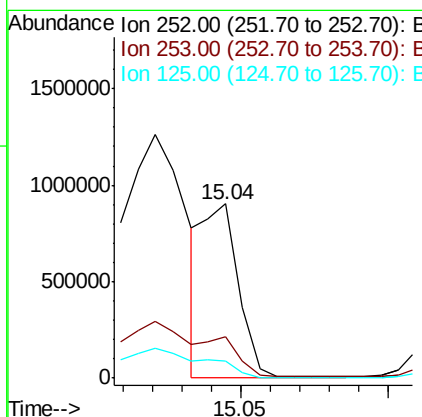
Manual Integrations
APPROVED

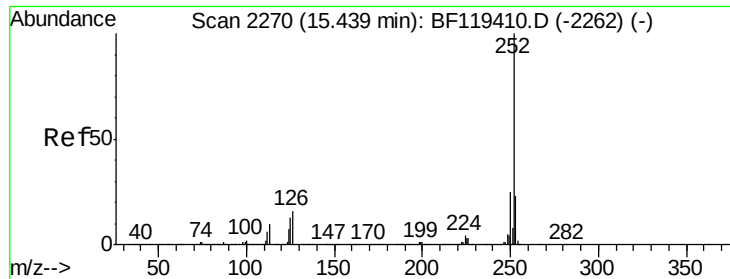
mohammad
4/6/2020 1:39:00 PM



#89
Benzo(k)fluoranthene
Concen: 29.840 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF119742.D
Acq: 4 Apr 2020 3:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	9.6	8.4	12.6





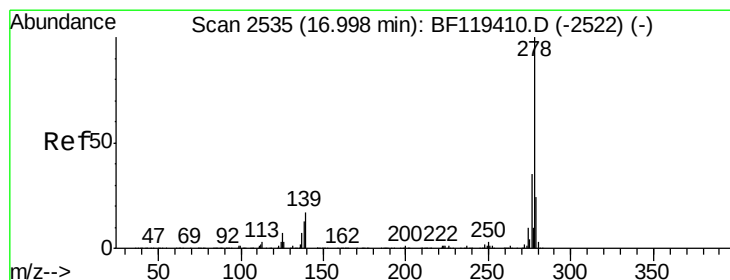
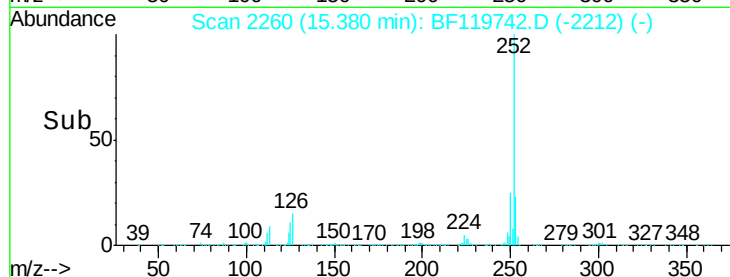
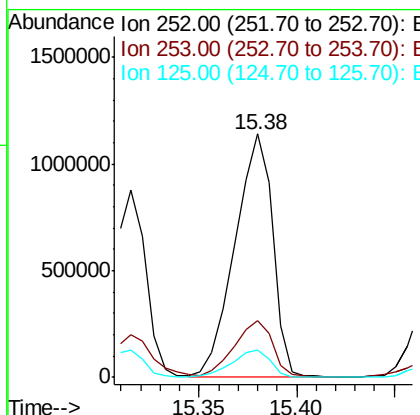
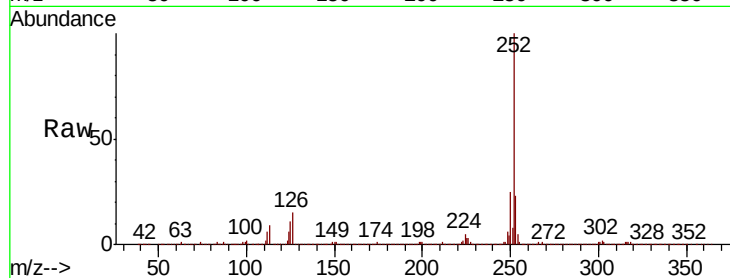
#90
Benzo(a)pyrene
Concen: 62.799 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF119742.D
Acq: 4 Apr 2020 3:59

Instrument :
BNA_F
ClientSampled :
TP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	11.2	9.4	14.2

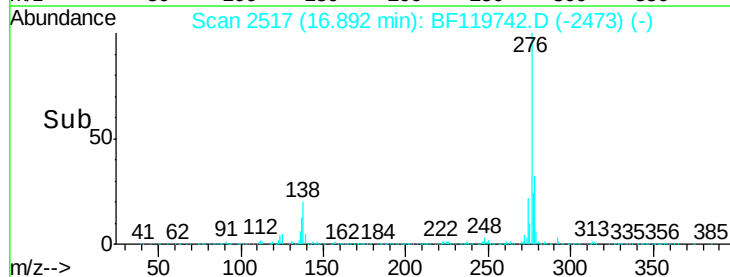
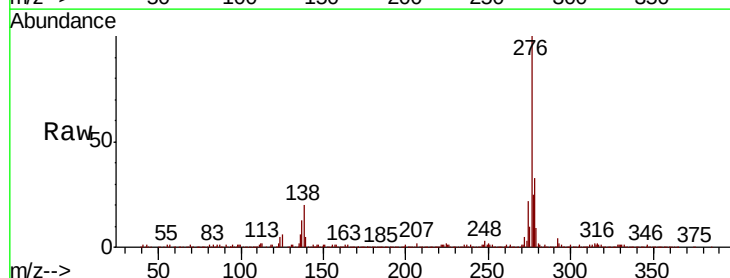
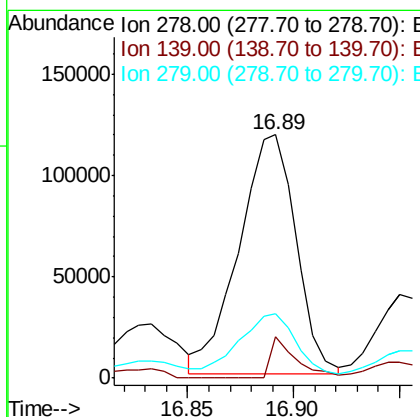
Manual Integrations
APPROVED

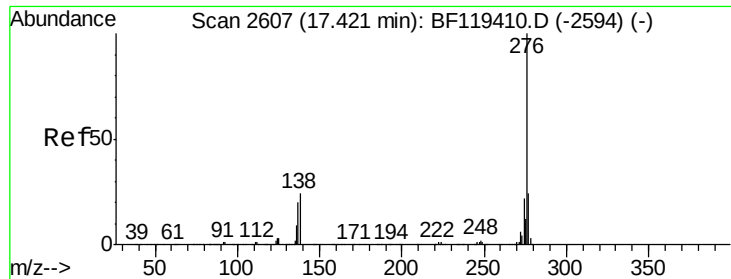
mohammad
4/6/2020 1:39:00 PM



#91
Dibenzo(a,h)anthracene
Concen: 10.525 ng
RT: 16.89 min Scan# 2517
Delta R.T. -0.04 min
Lab File: BF119742.D
Acq: 4 Apr 2020 3:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.6	19.0
279	26.5	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 39.515 ng
 RT: 17.32 min Scan# 2590
 Delta R.T. -0.04 min
 Lab File: BF119742.D
 Acq: 4 Apr 2020 3:59

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.4	27.6
138	21.5	15.4	23.0

Manual Integrations
 APPROVED

mohammad
 4/6/2020 1:39:00 PM

