

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
 Data File : BF119754.D
 Acq On : 4 Apr 2020 9:24
 Operator : MA/SJ
 Sample : L2129-01
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

Manual Integrations
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mohammad
 4/6/2020 1:39:28 PM

Quant Time: Apr 06 01:47:48 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	182161	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	664470	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	310383	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	506431	20.00	ng	-0.02
76) Chrysene-d12	13.99	240	317192	20.00	ng	-0.01
87) Perylene-d12	15.44	264	318941	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1682754	147.06	ng	0.01
7) Phenol-d6	6.44	99	2156253	147.51	ng	0.00
23) Nitrobenzene-d5	7.37	82	1316392	107.67	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	476791	148.90	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	2214689	105.71	ng	-0.01
79) Terphenyl-d14	12.93	244	1757017	108.53	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.11	128	95005	2.778	ng	96
49) Acenaphthylene	9.70	152	159833	5.140	ng	96
50) Dimethylphthalate	9.56	163	229412	10.406	ng	99
52) Acenaphthene	9.87	154	81287	4.193	ng	96
55) Dibenzofuran	10.05	168	80812	2.908	ng	96
58) Fluorene	10.39	166	103063	5.014	ng	99
71) Phenanthrene	11.36	178	2024565	77.098	ng	99
72) Anthracene	11.41	178	584621	21.905	ng	97
73) Carbazole	11.56	167	201364	7.623	ng	97
75) Fluoranthene	12.56	202	3794047	133.502	ng	99
78) Pyrene	12.79	202	3716900	142.784	ng	99
81) Benzo(a)anthracene	13.97	228	2105777	102.091	ng	96
83) Chrysene	14.01	228	1728513	81.199	ng	97
86) Indeno(1,2,3-cd)pyrene	16.89	276	984333	49.097	ng	94
88) Benzo(b)fluoranthene	15.03	252	2307282m	108.297	ng	
89) Benzo(k)fluoranthene	15.04	252	679665m	33.503	ng	
90) Benzo(a)pyrene	15.39	252	1643912	84.905	ng	99
91) Dibenzo(a,h)anthracene	16.90	278	247147	14.594	ng	95
92) Benzo(a,h,i)perylene	17.33	276	911219	53.558	ng	96

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

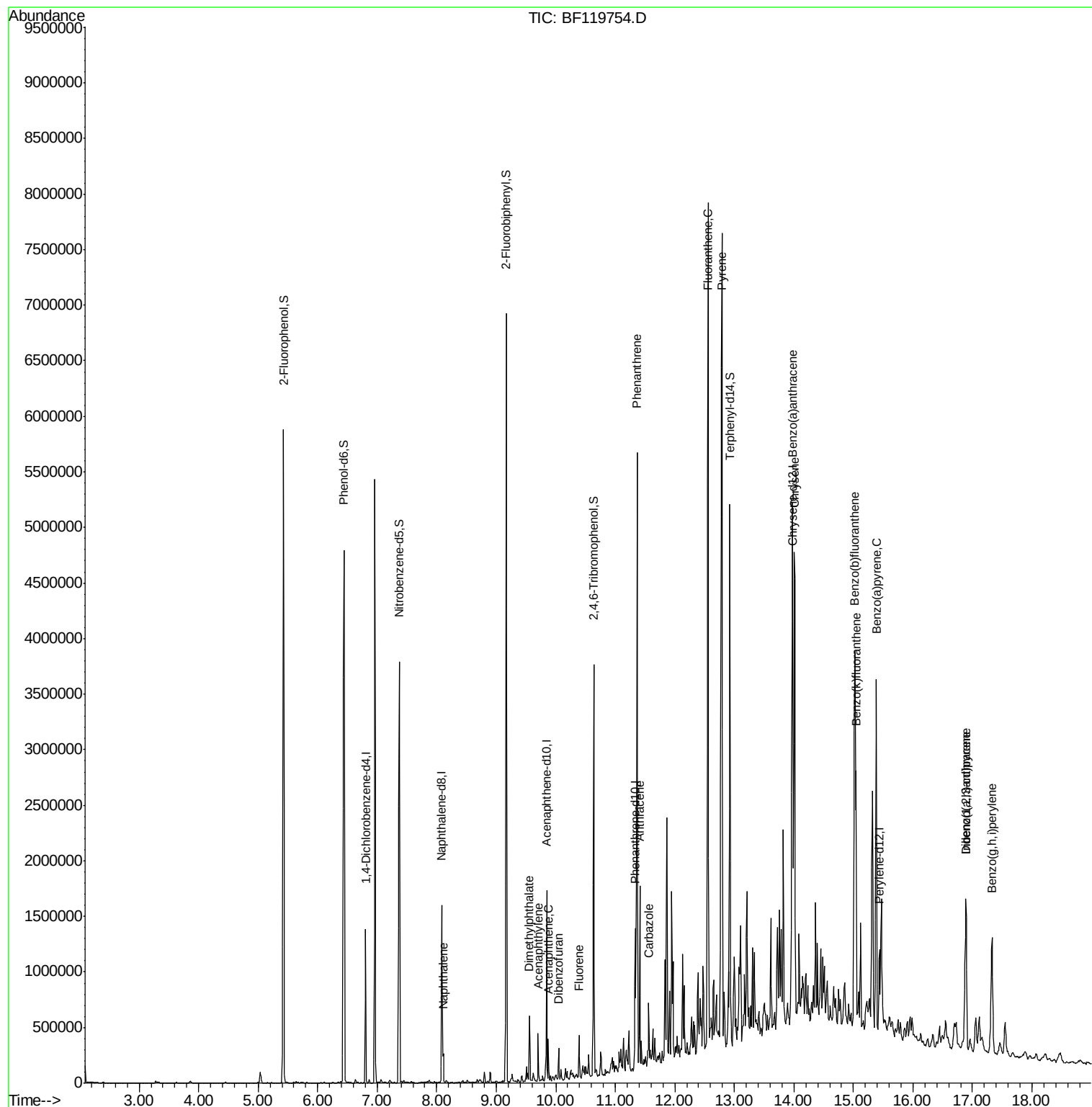
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
Data File : BF119754.D
Acq On : 4 Apr 2020 9:24
Operator : MA/SJ
Sample : L2129-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

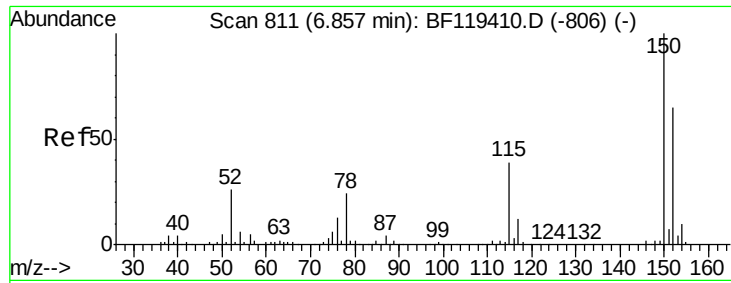
Instrument :
BNA_F
ClientSampleId :
TP-9

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Quant Time: Apr 06 01:47:48 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
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#1

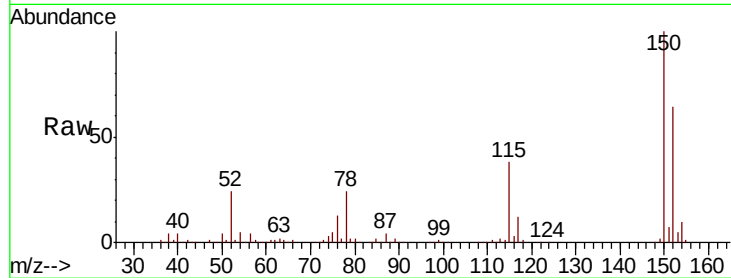
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Instrument :
BNA_F
ClientSampled :
TP-9

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.5	186.7
115	58.8	49.6	74.4

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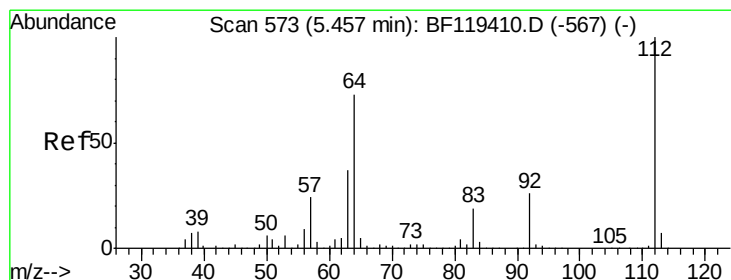
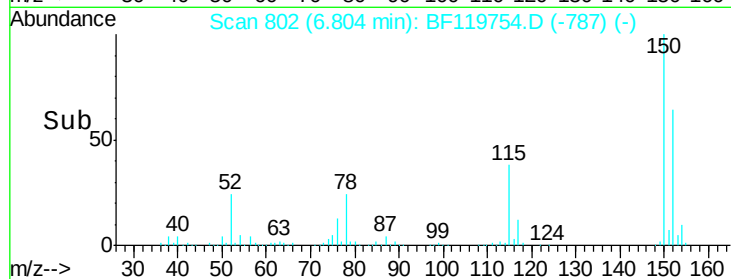
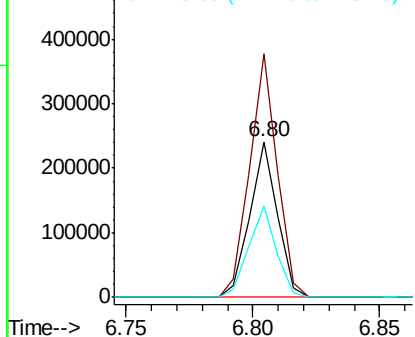


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

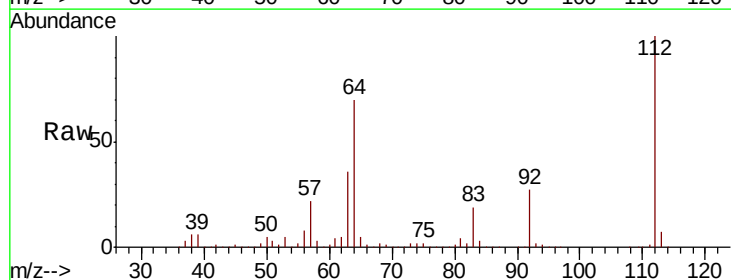
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 147.056 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	56.7	85.1
63	35.9	29.5	44.3

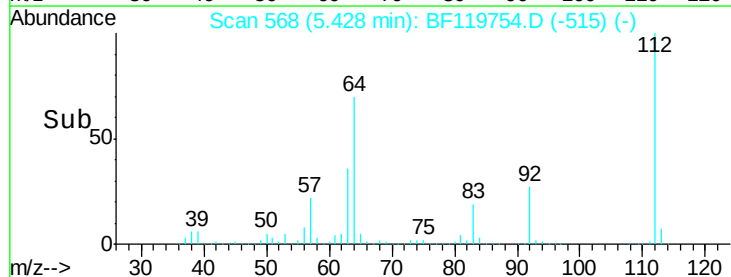
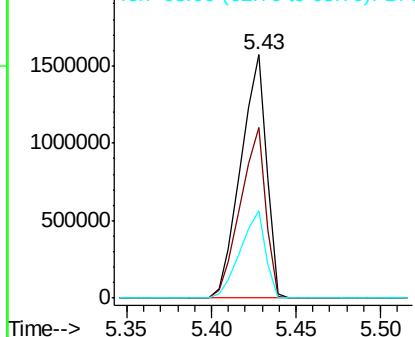


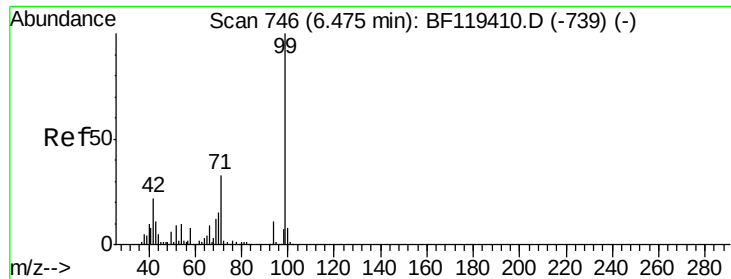
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 147.511 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119754.D

Acq: 4 Apr 2020 9:24

Instrument :

BNA_F

ClientSampled :

TP-9

Tot Ion: 99 Resp: 2156253

Ion Ratio Lower Upper

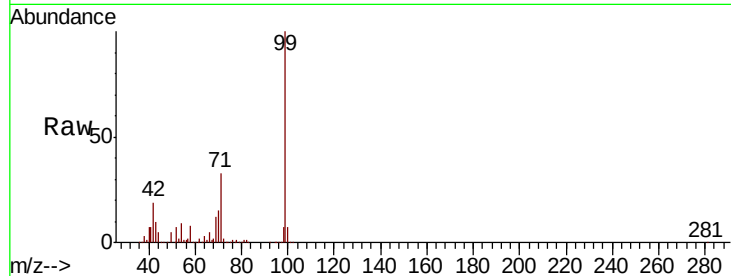
99 100

42 19.1 16.6 24.8

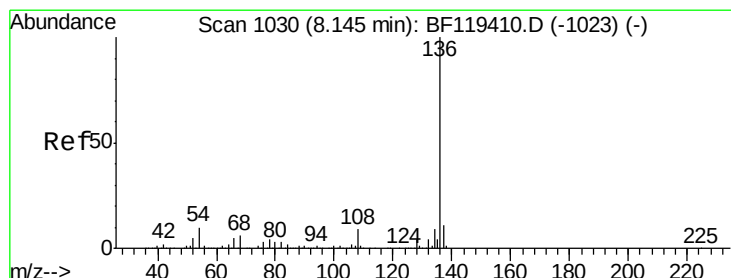
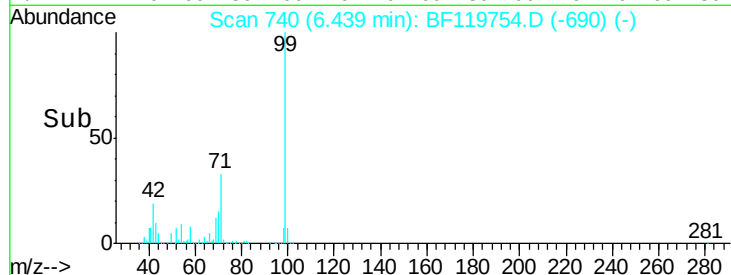
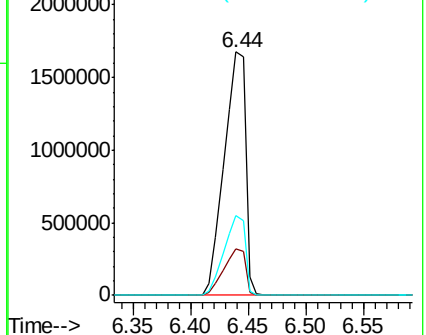
71 32.8 26.4 39.6

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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: BF119754.D

Acq: 4 Apr 2020 9:24

Tgt Ion: 136 Resp: 664470

Ion Ratio Lower Upper

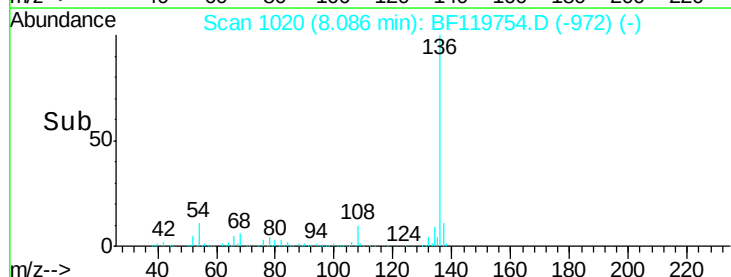
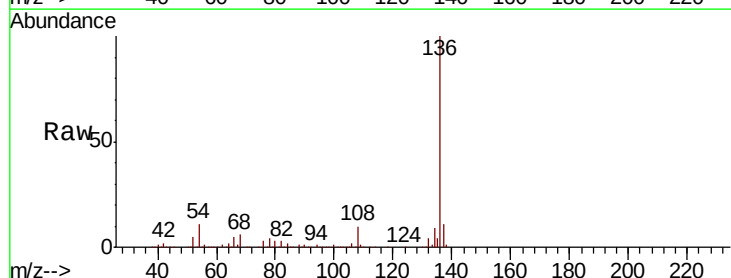
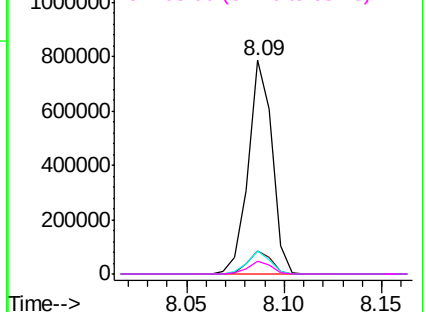
136 100

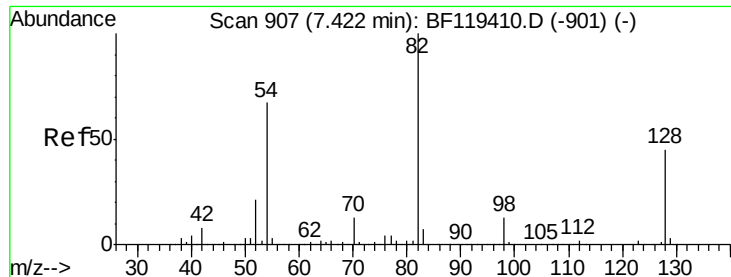
137 11.0 8.7 13.1

54 10.9 9.1 13.7

68 5.9 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





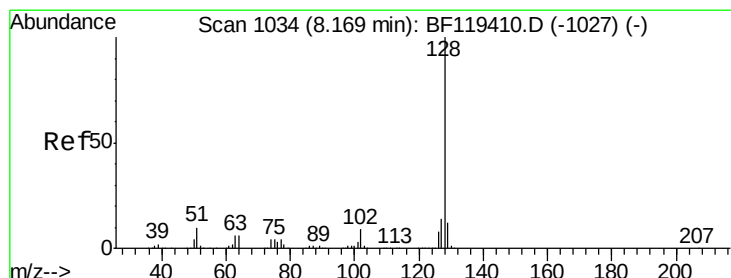
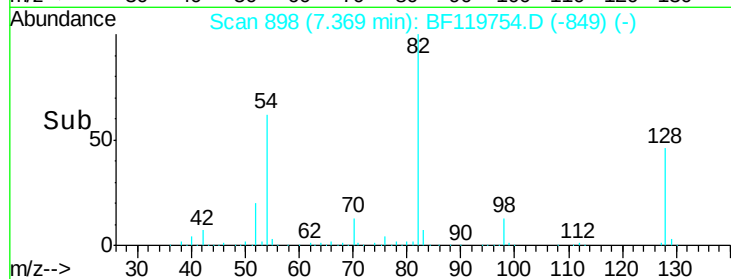
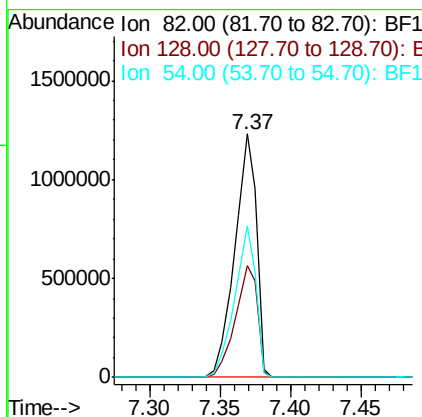
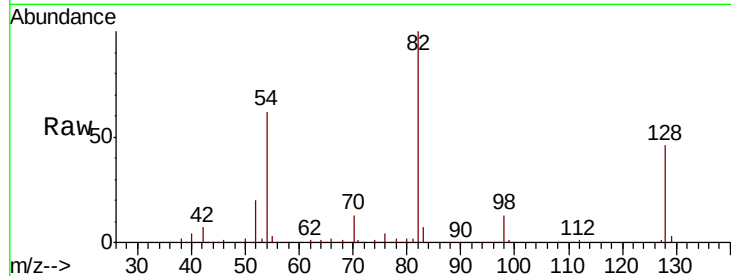
#23
Nitrobenzene-d5
Concen: 107.669 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Instrument :
BNA_F
ClientSampled :
TP-9

Tot Ion	82	Resp	1316392
Ion Ratio	100	Lower	Upper
128	45.9	36.3	54.5
54	62.2	50.6	75.8

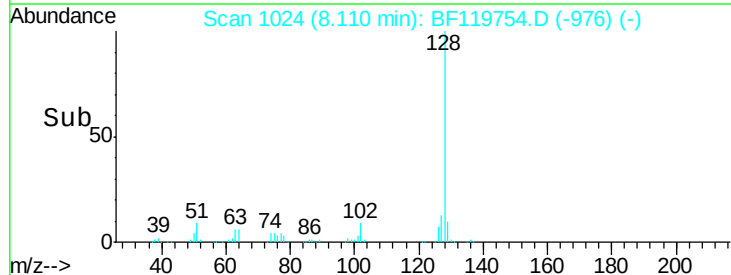
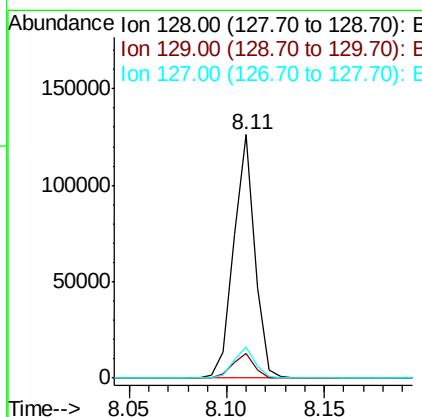
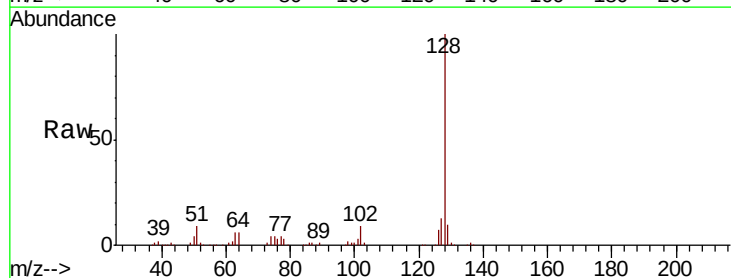
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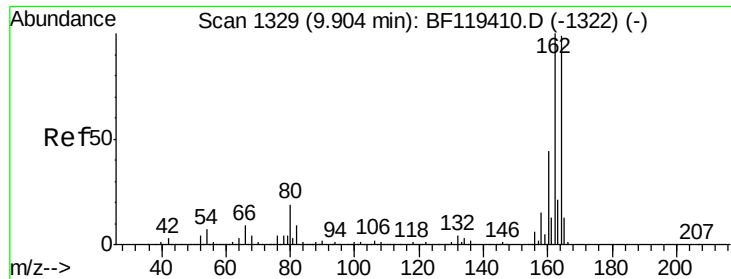
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#31
Naphthalene
Concen: 2.778 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Tgt Ion	128	Resp	95005
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
129	10.3	9.5	14.3
127	12.6	11.3	16.9





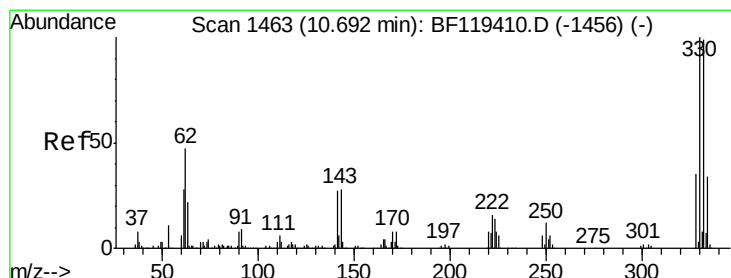
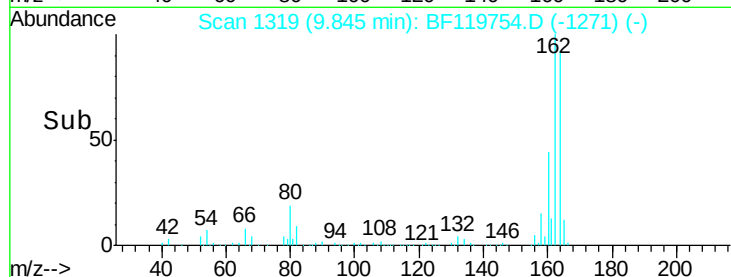
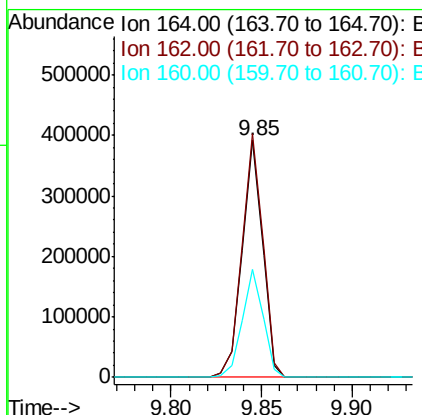
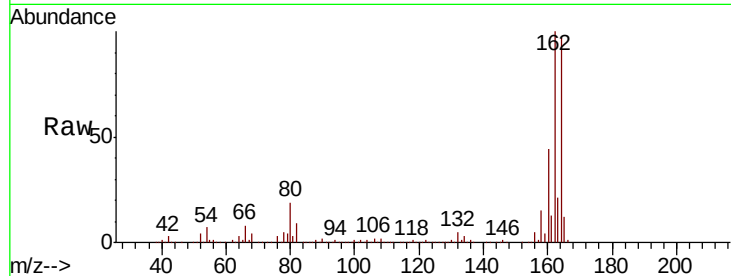
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Instrument :
BNA_F
ClientSampled :
TP-9

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.7	80.6	121.0	
160	45.3	35.7	53.5	

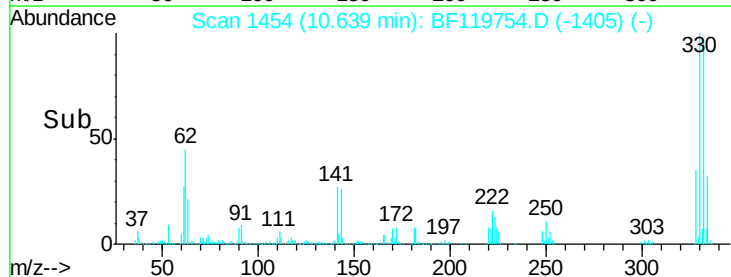
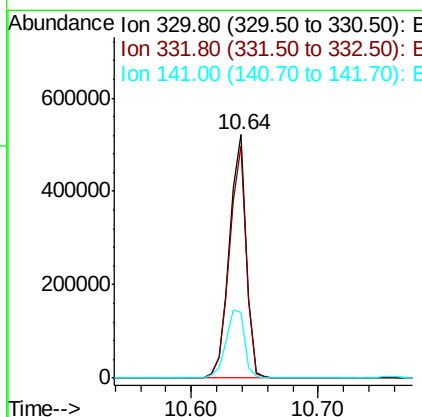
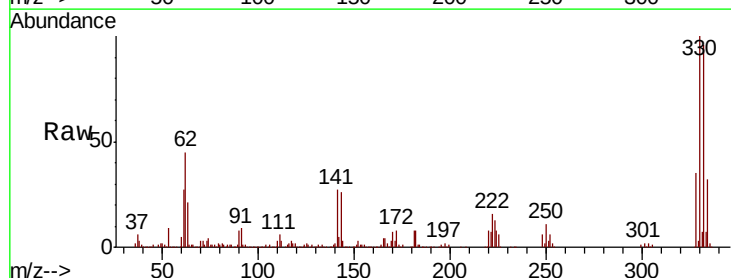
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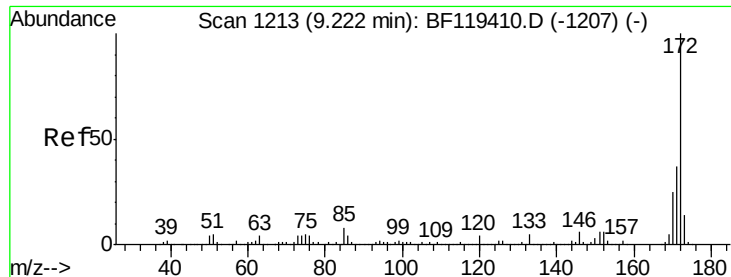
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#42
2,4,6-Tribromophenol
Concen: 148.899 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.2	75.7	113.5	
141	31.3	25.4	38.0	





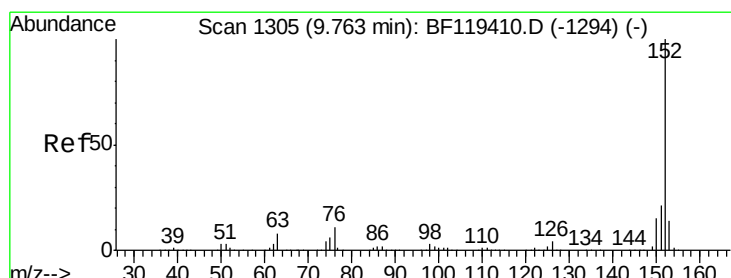
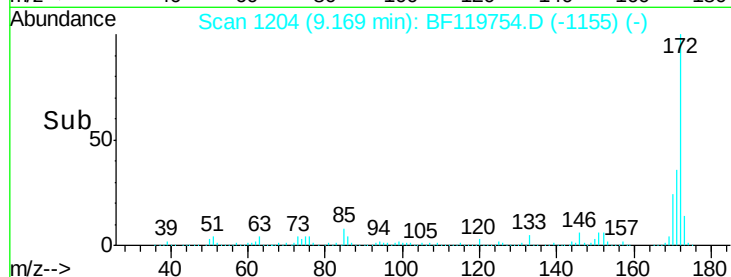
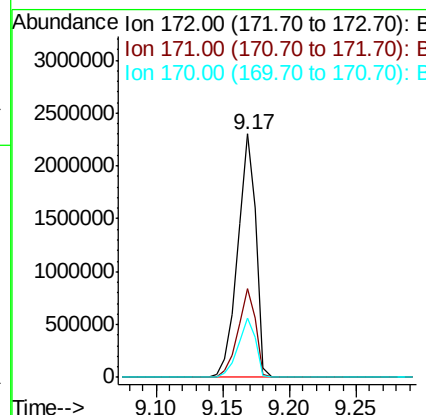
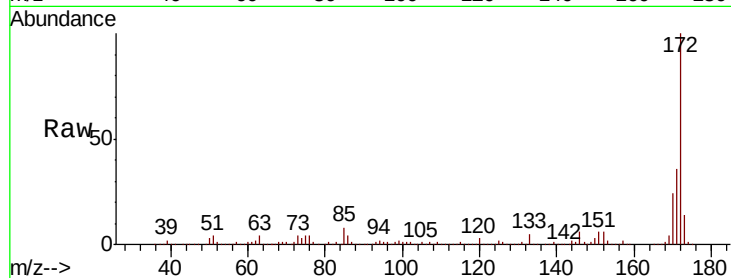
#45
2-Fluorobiphenyl
Concen: 105.708 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Instrument :
BNA_F
ClientSampleId :
TP-9

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.4	20.2	30.2

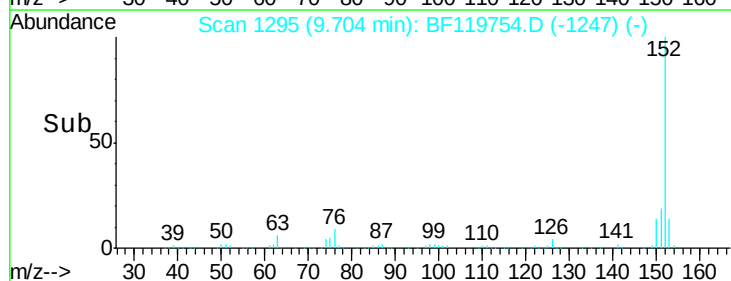
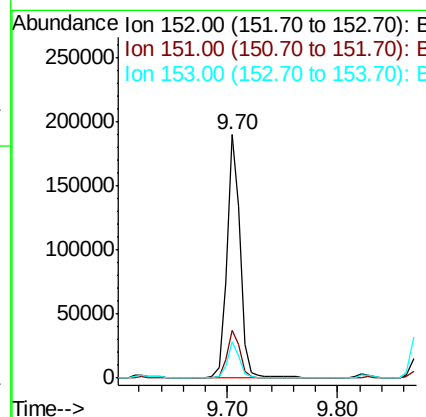
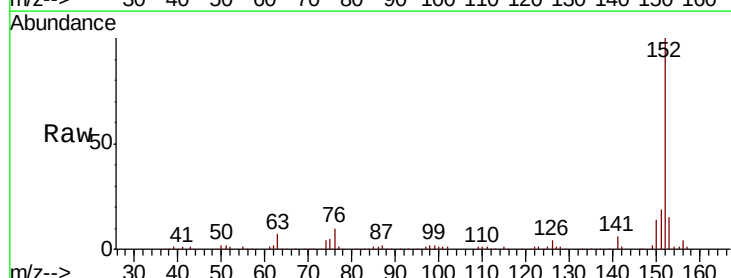
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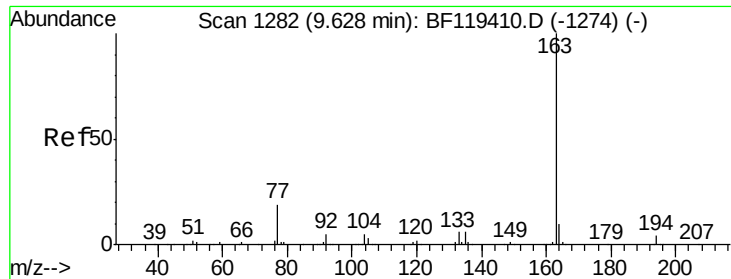
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#49
Acenaphthylene
Concen: 5.140 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	17.2	25.8
153	14.9	11.2	16.8





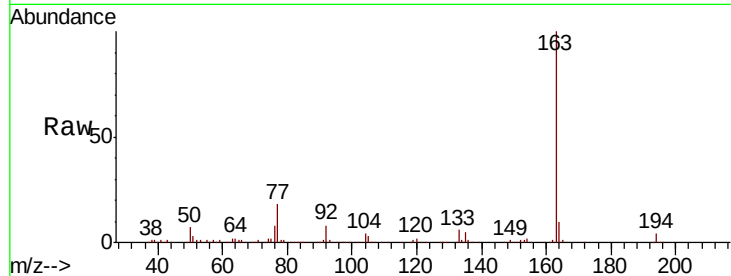
#50
Dimethylphthalate
Concen: 10.406 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Instrument :
BNA_F
ClientSampled :
TP-9

Tot Ion	Ratio	Resp	Lower	Upper
163	100	229412		
194	4.0		3.1	4.7
164	9.8		8.2	12.2

Manual Integrations
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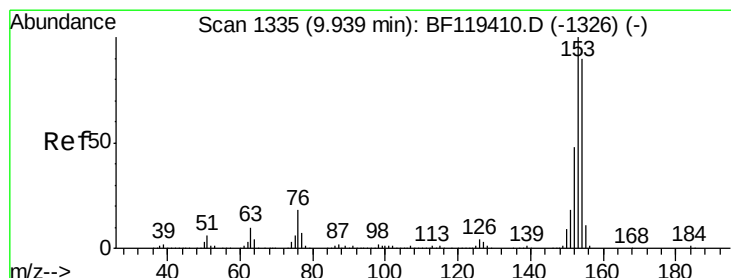
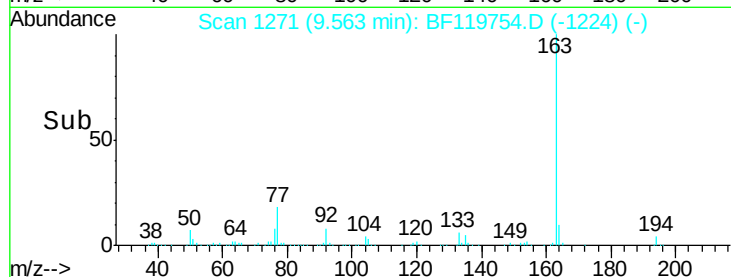
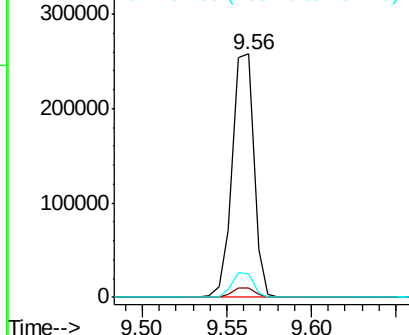


Abundance

Ion 163.00 (162.70 to 163.70): E

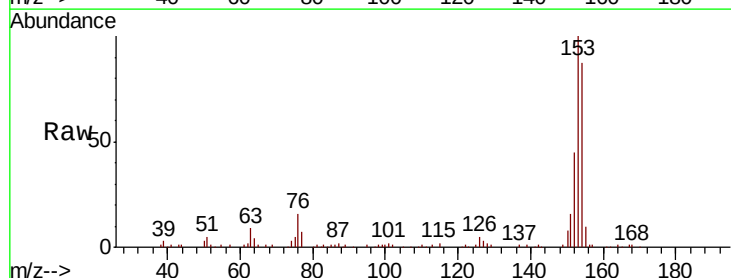
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 4.193 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	81287		
153	115.0		88.1	132.1
152	51.3		43.0	64.4

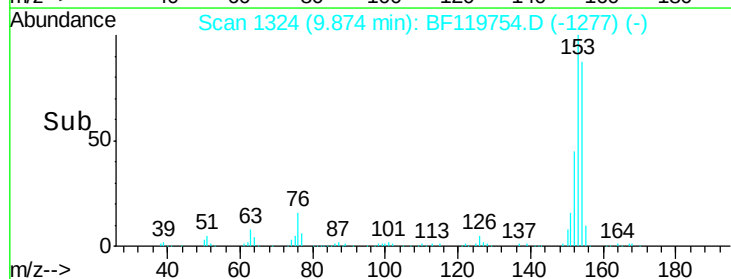
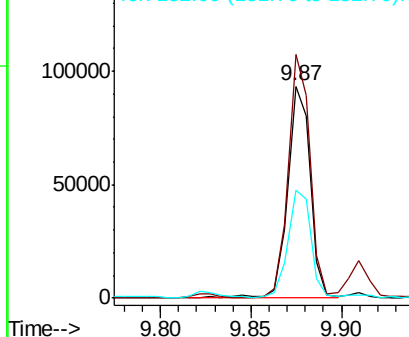


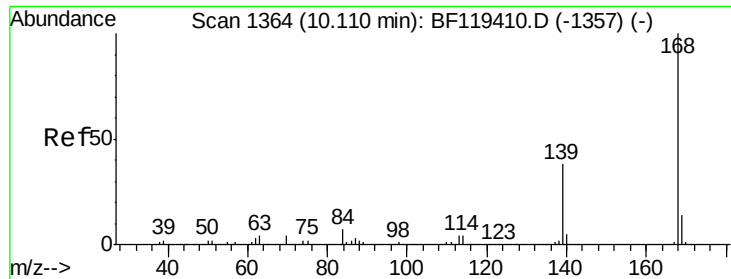
Abundance

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





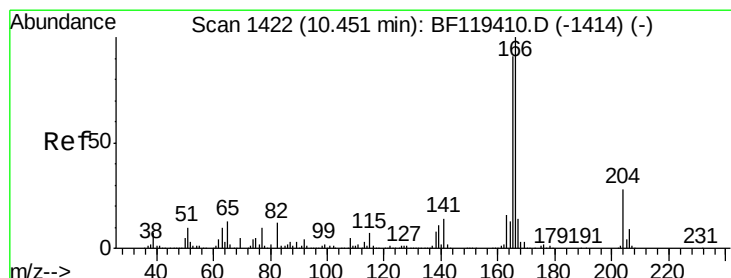
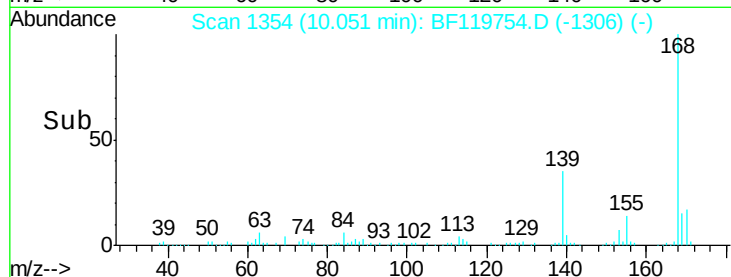
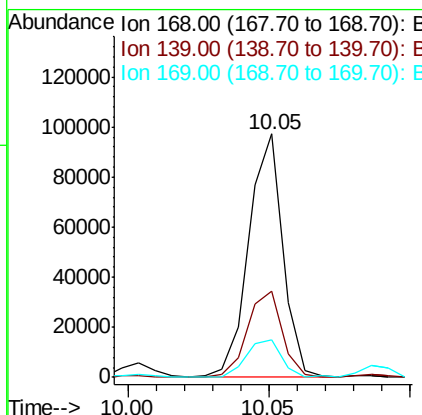
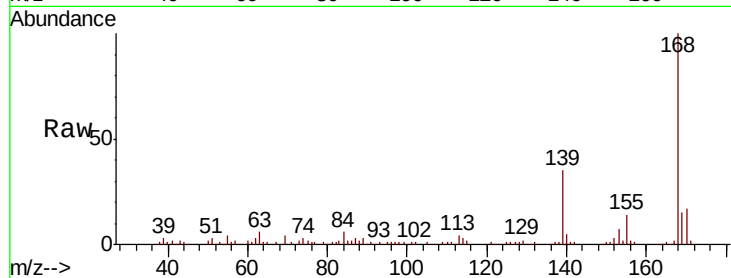
#55
Dibenzenofuran
Concen: 2.908 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.02 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Instrument :
BNA_F
ClientSampleId :
TP-9

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.5	30.1	45.1
169	15.3	11.0	16.6

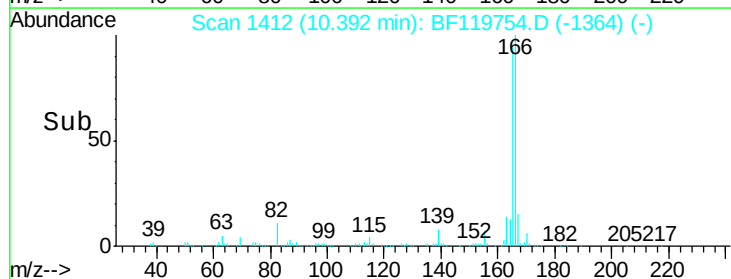
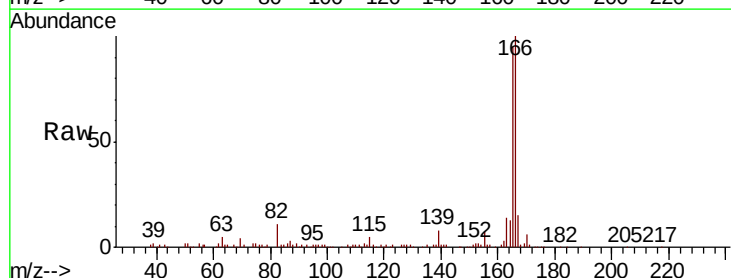
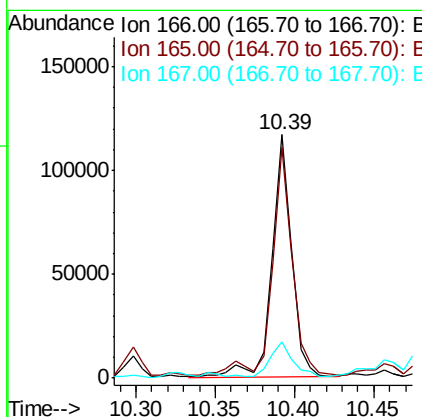
Manual Integrations
APPROVED

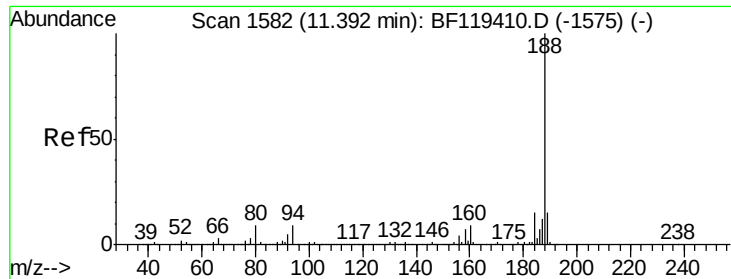
mohammad
4/6/2020 1:39:28 PM



#58
Fluorene
Concen: 5.014 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.02 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.6	75.4	113.2
167	15.0	11.2	16.8





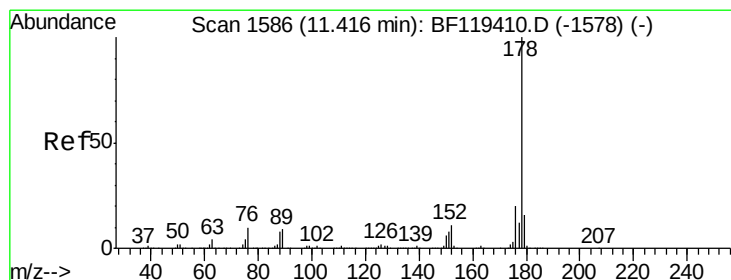
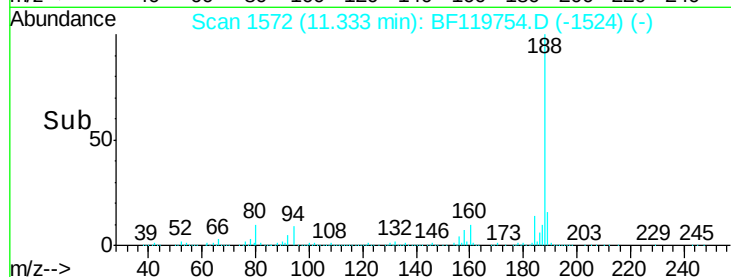
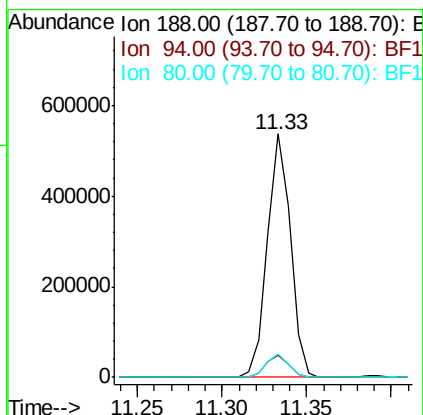
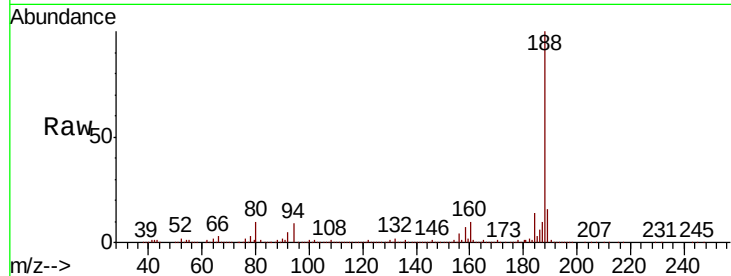
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: BF119754.D
 Acq: 4 Apr 2020 9:24

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

Tot Ion:188	Resp: 506431
Ion Ratio Lower Upper	
188 100	
94 9.2 7.5 11.3	
80 9.7 9.0 13.4	

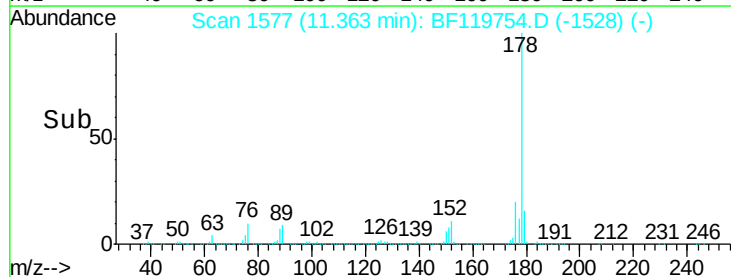
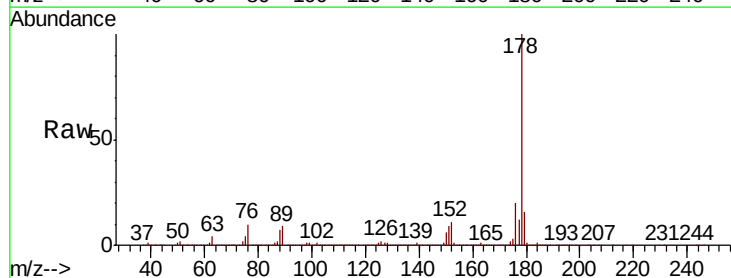
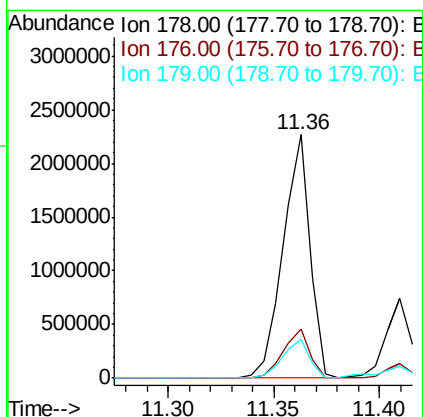
Manual Integrations
 APPROVED

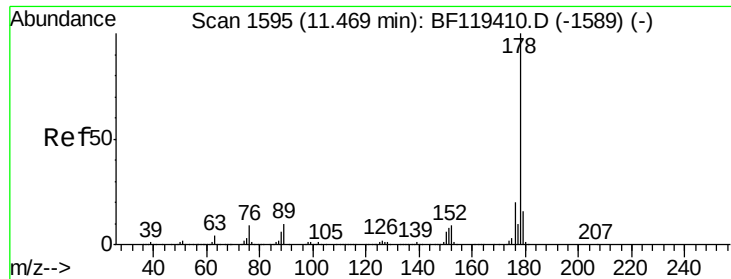
mohammad
 4/6/2020 1:39:28 PM



#71
 Phenanthrene
 Concen: 77.098 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF119754.D
 Acq: 4 Apr 2020 9:24

Tgt Ion:178	Resp: 2024565
Ion Ratio Lower Upper	
178 100	
176 19.9 16.2 24.4	
179 16.1 13.2 19.8	





#72

Anthracene

Concen: 21.905 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.02 min

Lab File: BF119754.D

Acq: 4 Apr 2020 9:24

Instrument :

BNA_F

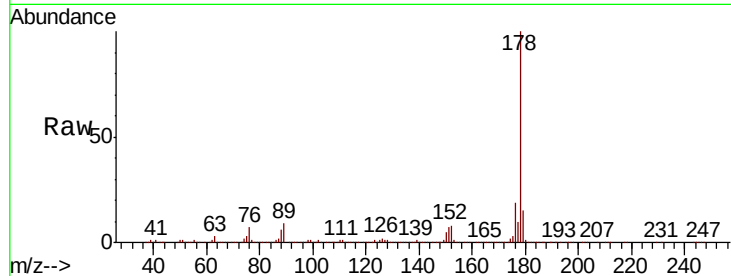
ClientSampleId :

TP-9

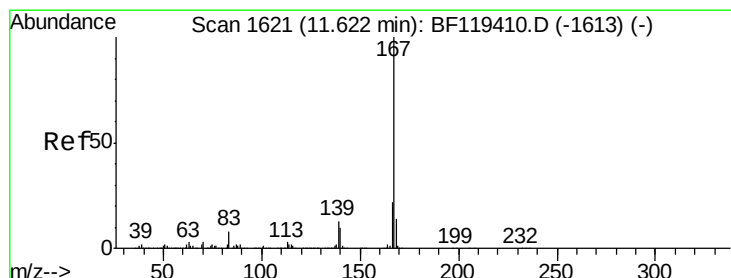
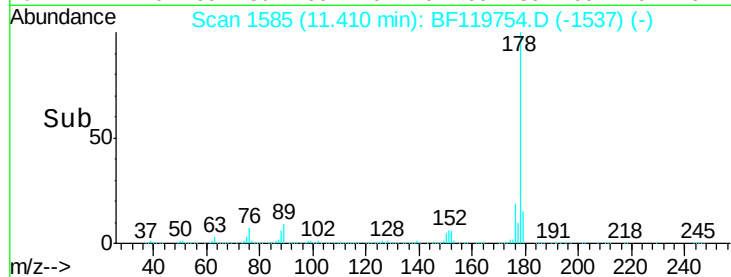
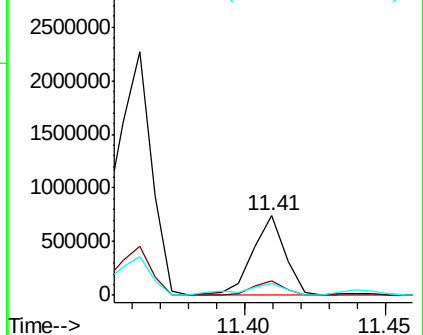
Tot Ion:	178	Resp:	584621
Ion Ratio	Lower	Upper	
178	100		
176	18.6	16.1	24.1
179	15.4	13.0	19.4

Manual Integrations
APPROVED

mohammad
4/6/2020 1:39:28 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: 7.623 ng

RT: 11.56 min Scan# 1611

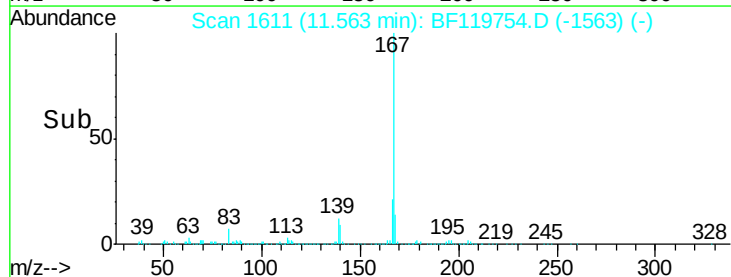
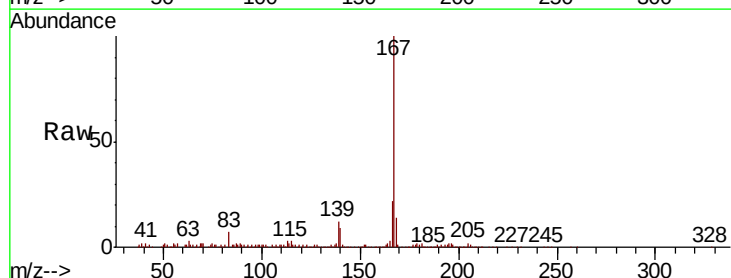
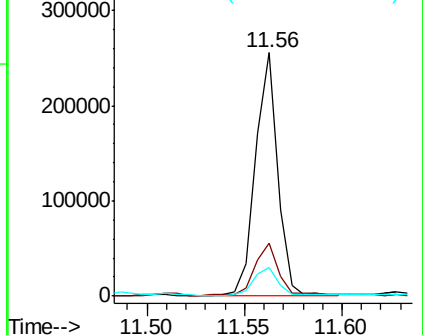
Delta R.T. -0.02 min

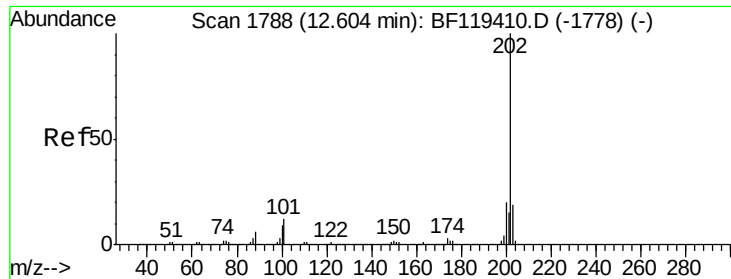
Lab File: BF119754.D

Acq: 4 Apr 2020 9:24

Tgt Ion:	167	Resp:	201364
Ion Ratio	Lower	Upper	
167	100		
166	21.5	18.2	27.4
139	11.8	10.7	16.1

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: 133.502 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BF119754.D

Acq: 4 Apr 2020 9:24

Instrument :

BNA_F

ClientSampleId :

TP-9

Tot Ion:202 Resp: 3794047

Ion Ratio Lower Upper

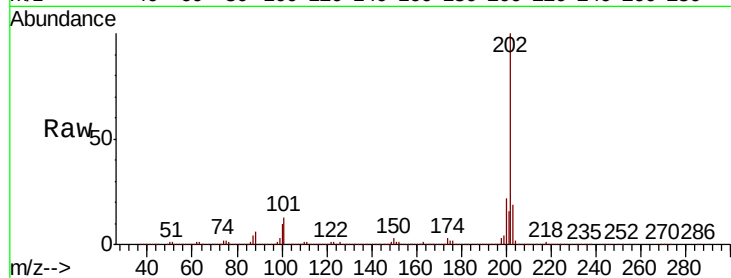
202 100

101 13.0 0.0 32.2

203 18.9 0.0 38.8

Manual Integrations
APPROVED

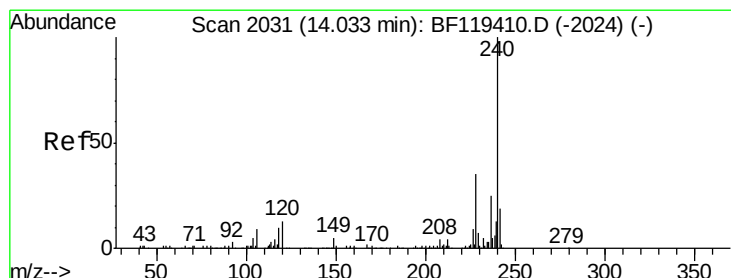
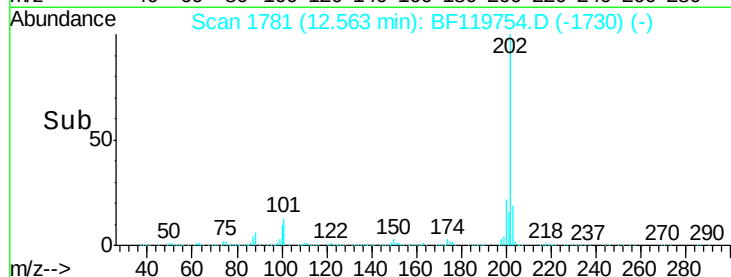
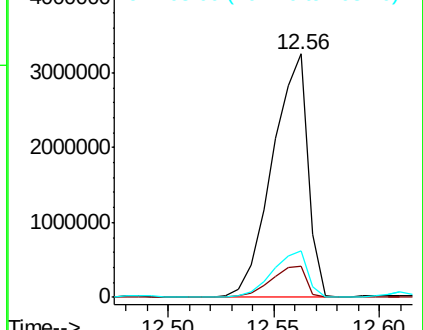
mohammad
4/6/2020 1:39:28 PM



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: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF119754.D

Acq: 4 Apr 2020 9:24

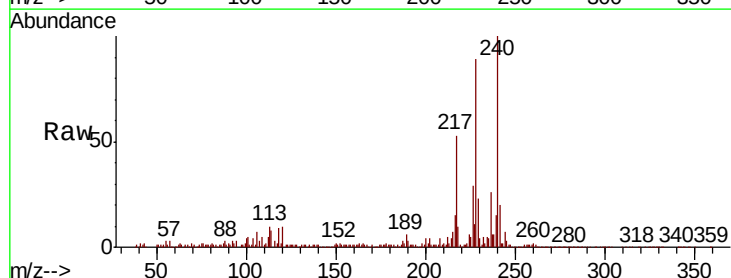
Tgt Ion:240 Resp: 317192

Ion Ratio Lower Upper

240 100

120 10.3 10.6 15.8#

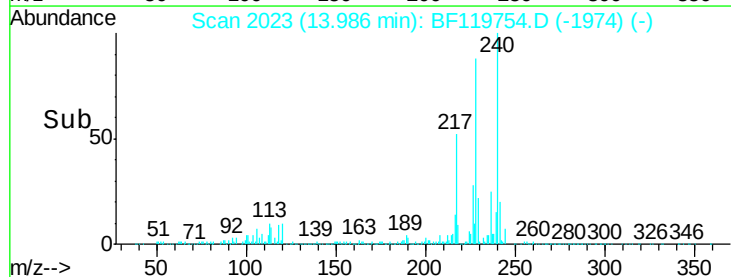
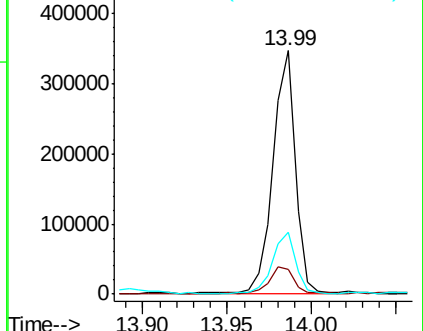
236 25.6 20.2 30.2

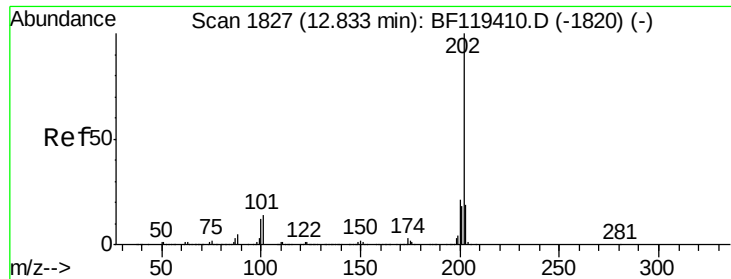


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





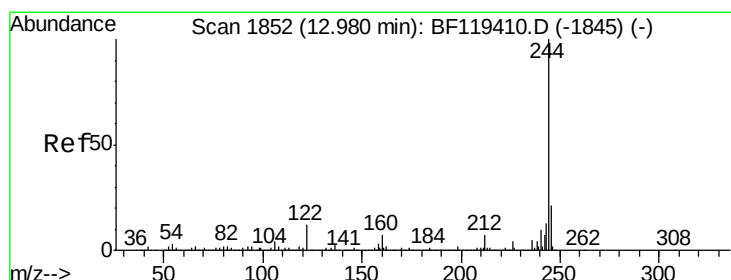
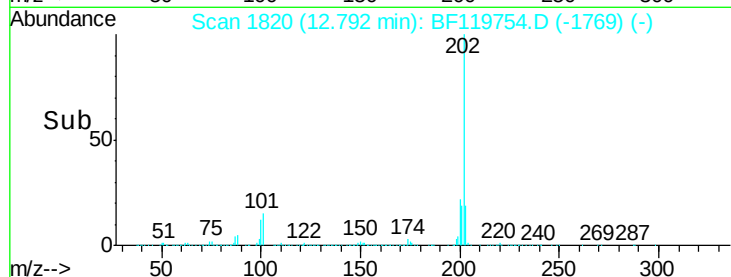
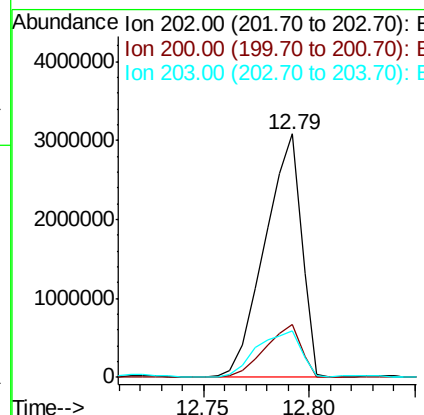
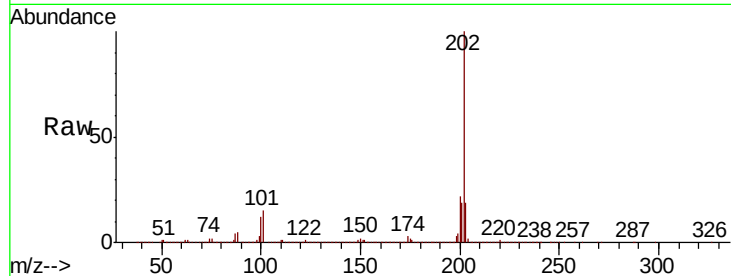
#78
Pvrene
Concen: 142.784 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Instrument :
BNA_F
ClientSampleId :
TP-9

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.8	25.2
203	19.4	15.1	22.7

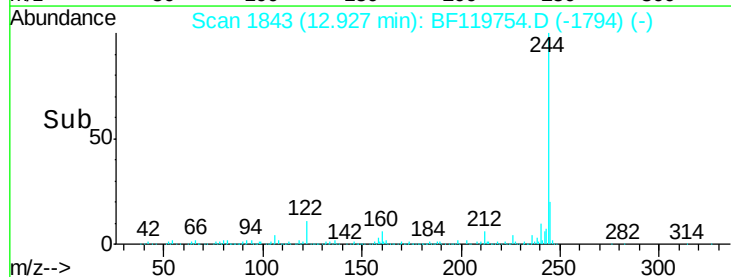
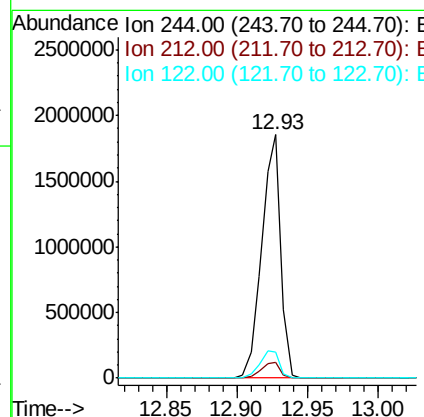
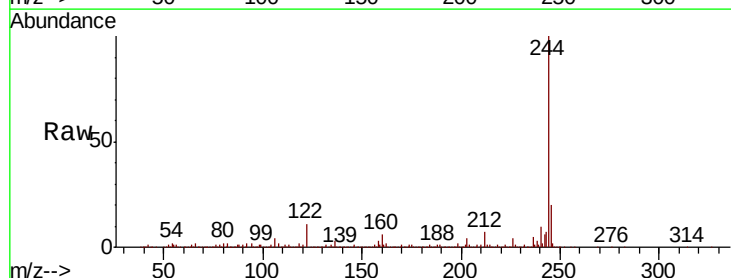
Manual Integrations
APPROVED

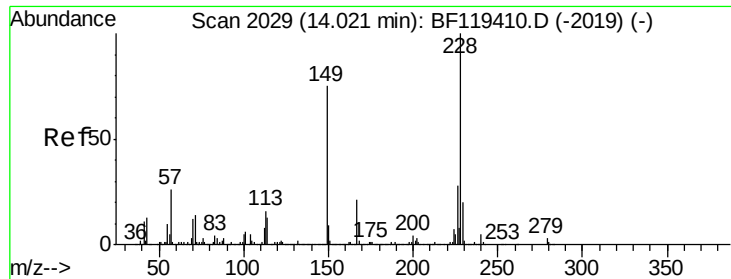
mohammad
4/6/2020 1:39:28 PM



#79
Terphenyl-d14
Concen: 108.526 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	10.7	10.3	15.5





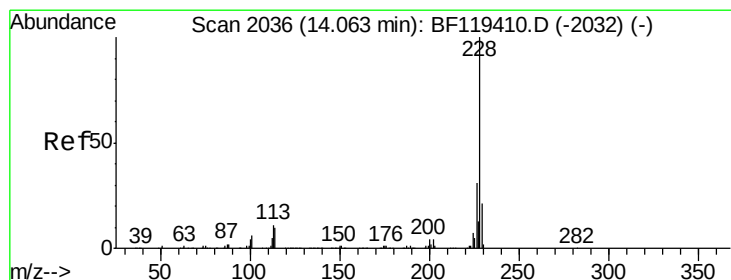
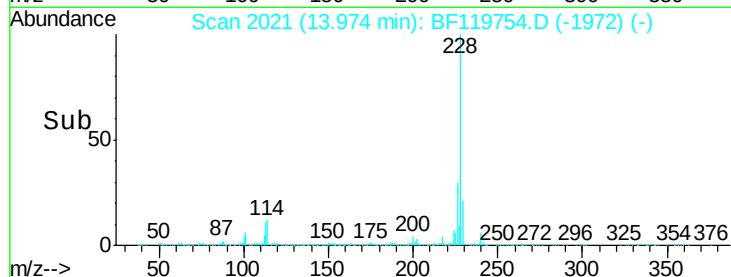
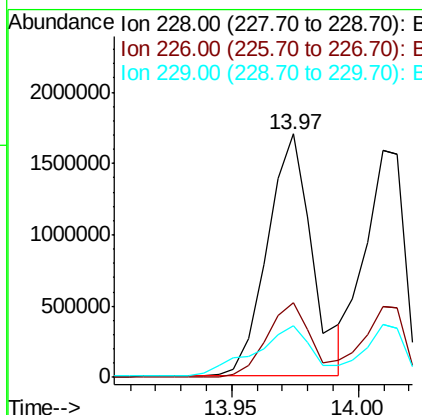
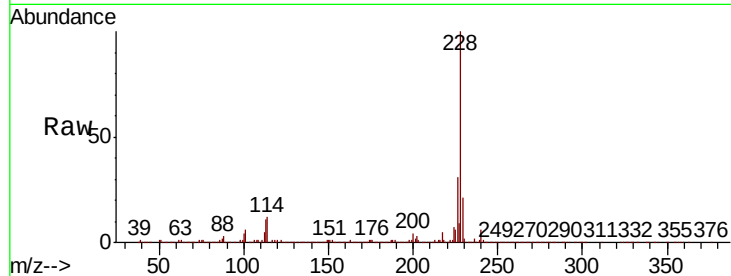
#81
Benzo(a)anthracene
Concen: 102.091 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Instrument :
BNA_F
ClientSampleId :
TP-9

Tot Ion:228 Resp: 2105777
Ion Ratio Lower Upper
228 100
226 30.6 21.8 32.8
229 21.0 16.2 24.4

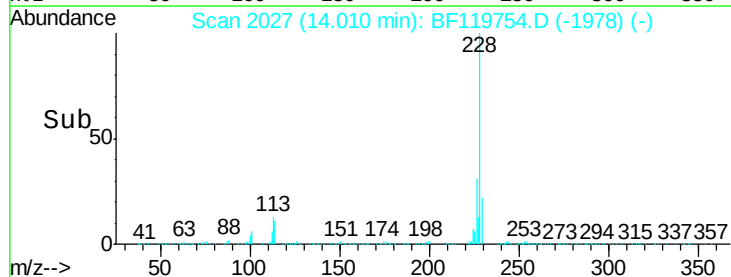
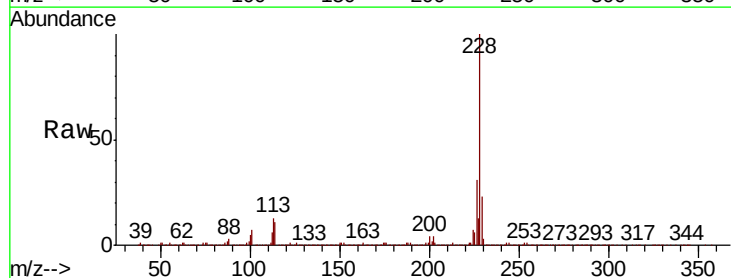
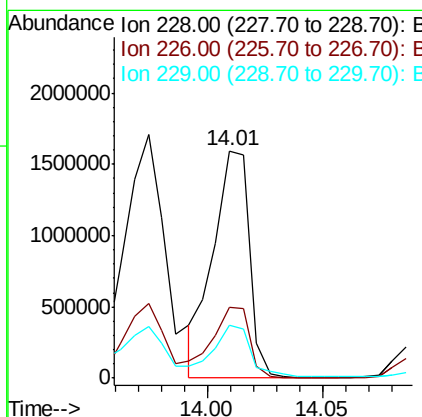
Manual Integrations
APPROVED

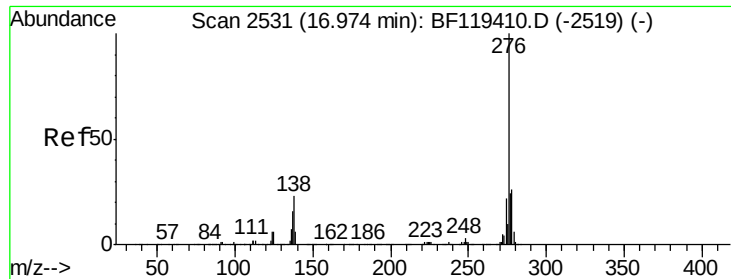
mohammad
4/6/2020 1:39:28 PM



#83
Chrysene
Concen: 81.199 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Tgt Ion:228 Resp: 1728513
Ion Ratio Lower Upper
228 100
226 31.1 25.4 38.0
229 23.1 16.6 24.8





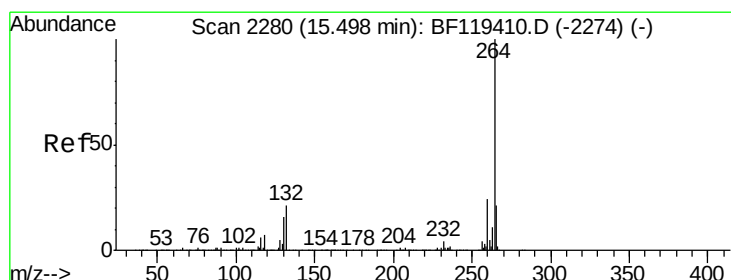
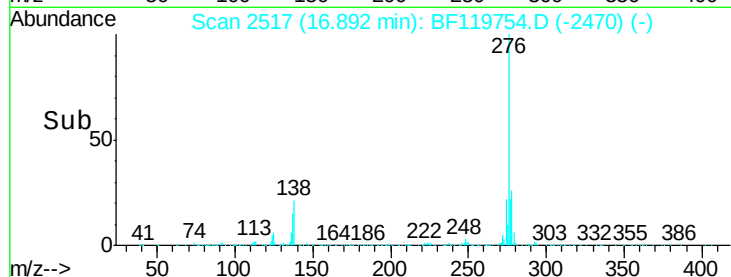
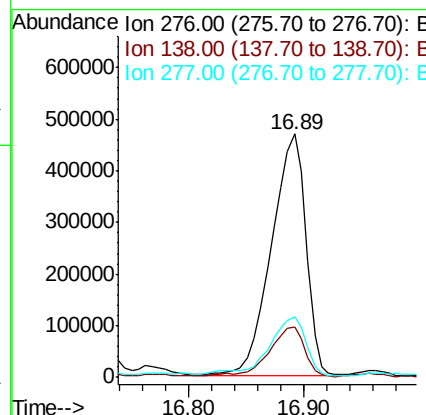
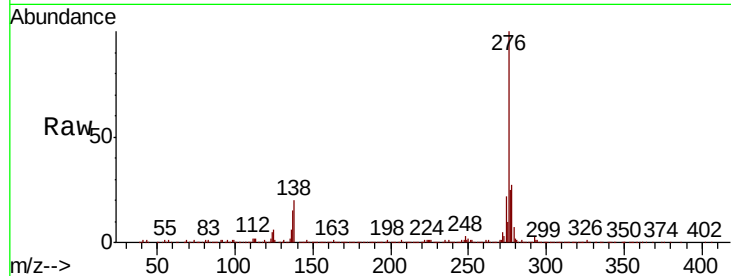
#86
Indeno(1,2,3-cd)pyrene
Concen: 49.097 ng
RT: 16.89 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Instrument :
BNA_F
ClientSampleId :
TP-9

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	19.6	29.4
277	26.7	20.0	30.0

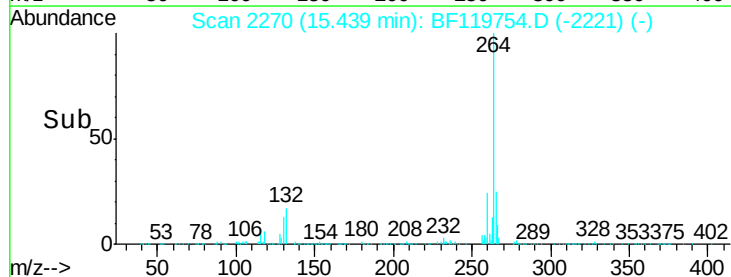
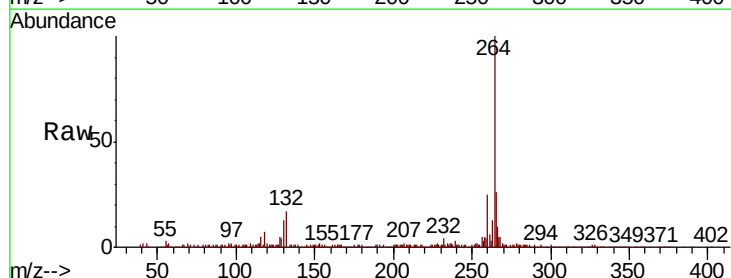
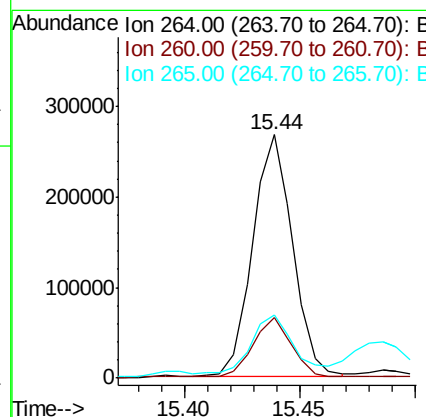
Manual Integrations
APPROVED

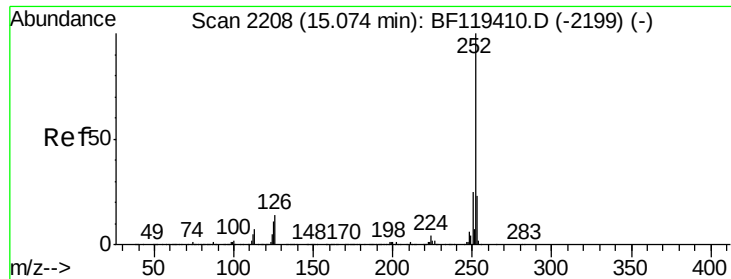
mohammad
4/6/2020 1:39:28 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.7	28.1
265	25.7	17.7	26.5





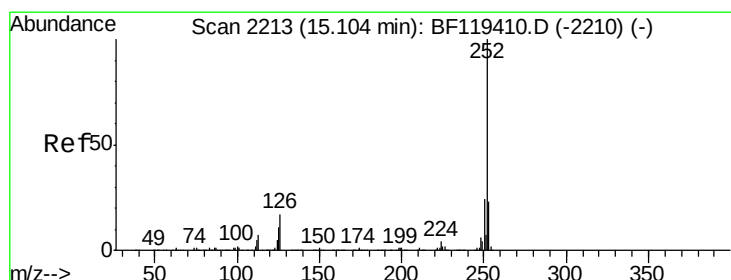
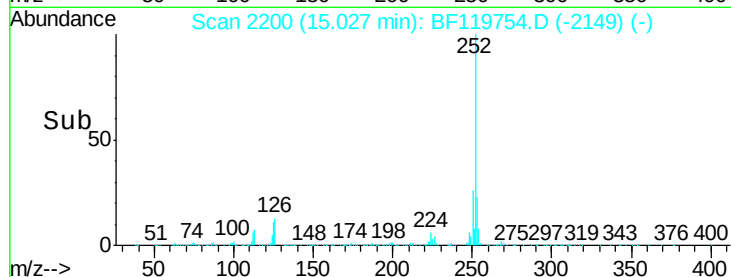
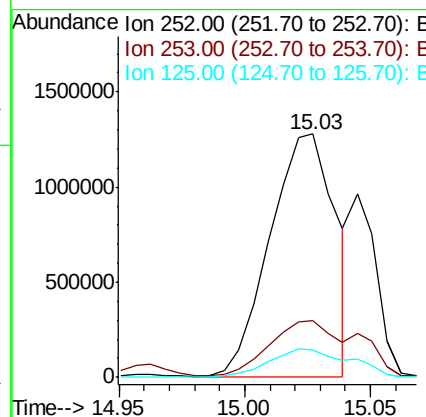
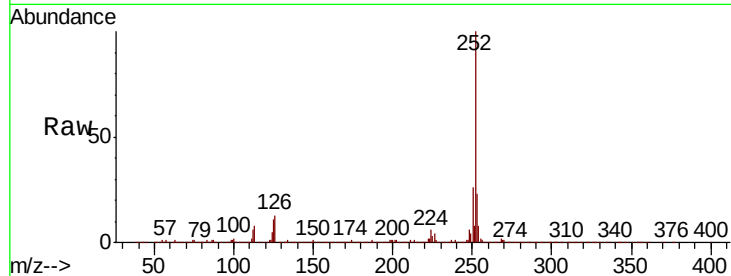
#88
Benzo(b)fluoranthene
Concen: 108.297 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Instrument :
BNA_F
ClientSampleId :
TP-9

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	11.4	7.9	11.9

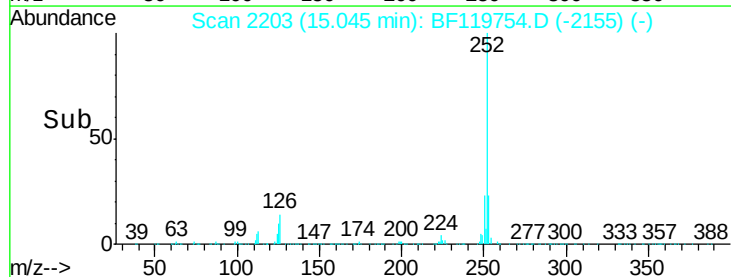
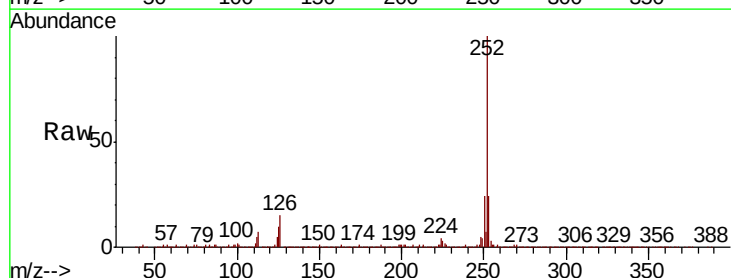
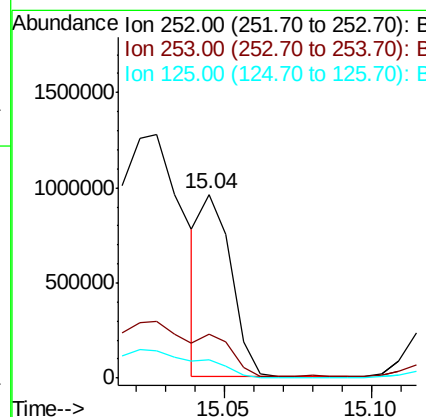
Manual Integrations
APPROVED

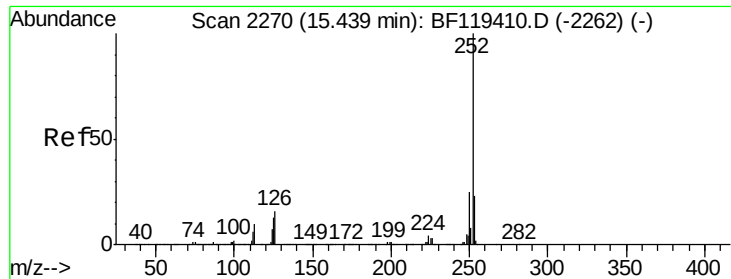
mohammad
4/6/2020 1:39:28 PM



#89
Benzo(k)fluoranthene
Concen: 33.503 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	10.3	8.4	12.6





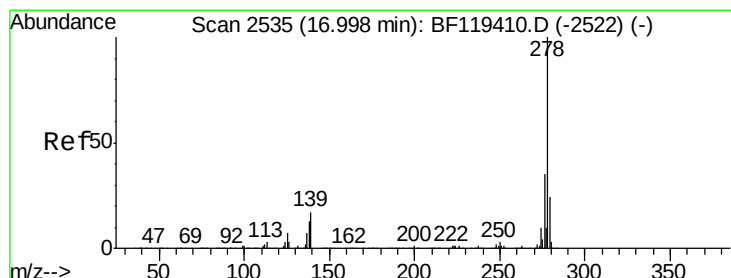
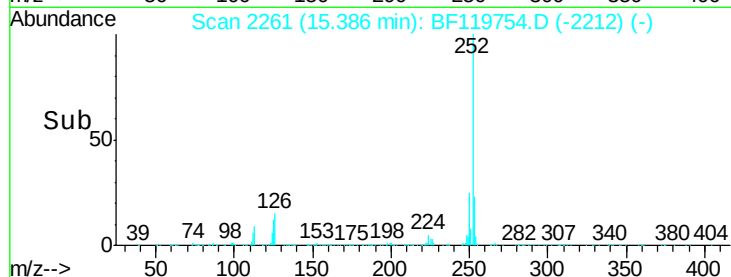
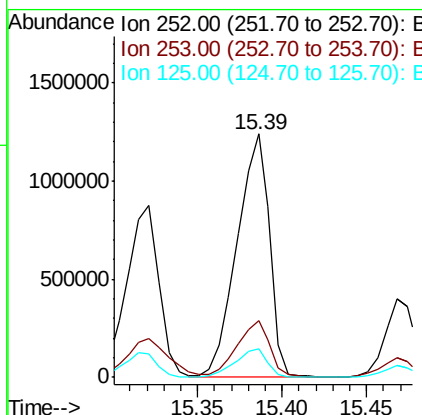
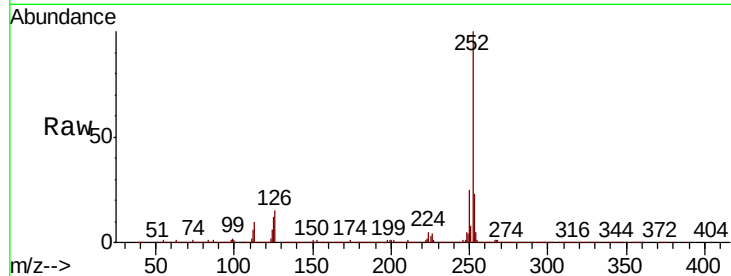
#90
Benzo(a)pyrene
Concen: 84.905 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Instrument :
BNA_F
ClientSampleId :
TP-9

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	11.9	9.4	14.2

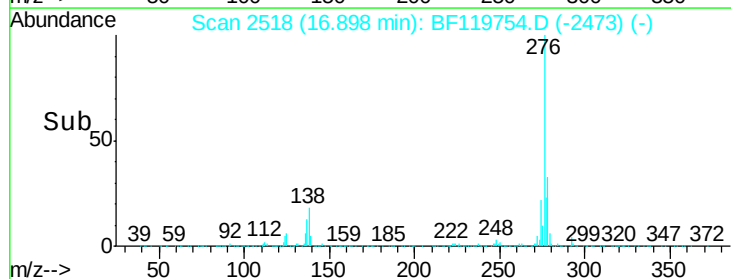
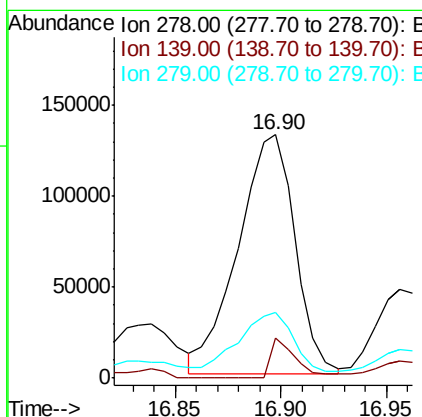
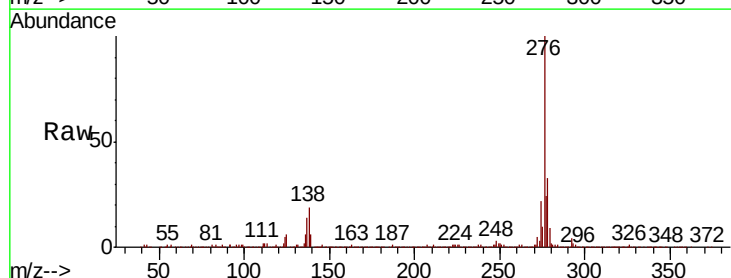
Manual Integrations
APPROVED

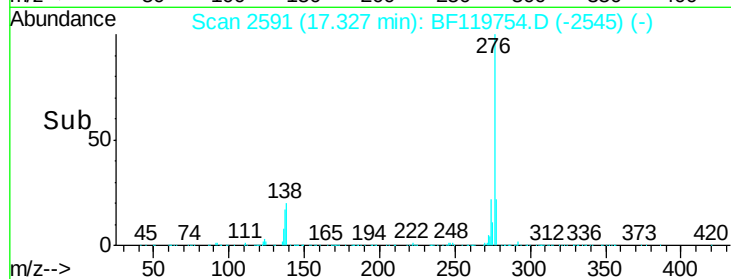
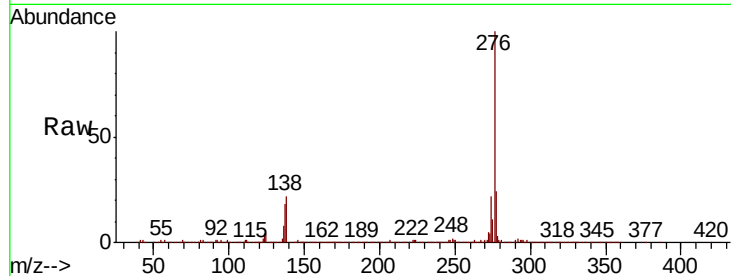
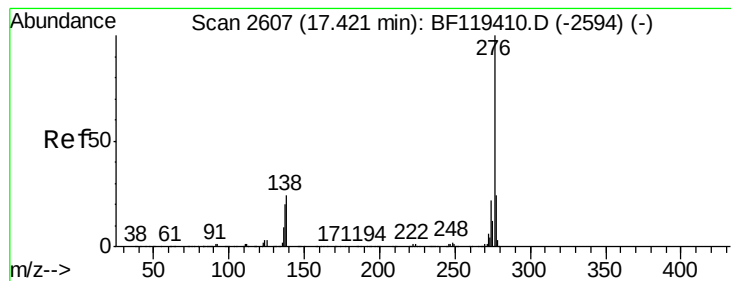
mohammad
4/6/2020 1:39:28 PM



#91
Dibenzo(a,h)anthracene
Concen: 14.594 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.04 min
Lab File: BF119754.D
Acq: 4 Apr 2020 9:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.6	12.6	19.0
279	27.0	19.0	28.6





#92

Benzo(a,h,i)perylene

Concen: 53.558 ng

RT: 17.33 min Scan# 2591

Delta R.T. -0.03 min

Lab File: BF119754.D

Acq: 4 Apr 2020 9:24

Tot Ion	Ion	Ratio	Resp	Lower	Upper
911219	276	100			
	277	24.3		18.4	27.6
	138	21.8		15.4	23.0

Instrument :

BNA_F

ClientSampleId :

TP-9

Manual Integrations
APPROVED

mohammad
4/6/2020 1:39:28 PM

