

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120523.D
 Acq On : 3 Jun 2020 21:32
 Operator : JU/CG
 Sample : L2839-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM13-COMP-2020-0-6

Manual Integrations
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 6/4/2020 12:12:58 PM

Quant Time: Jun 04 01:59:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 14:26:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	173256	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	592259	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	337445	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	493078	20.00	ng	0.00
76) Chrysene-d12	14.00	240	282096	20.00	ng	0.00
86) Perylene-d12	15.46	264	248161	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	859631	94.56	ng	0.00
7) Phenol-d6	6.47	99	1032566	92.15	ng	0.00
23) Nitrobenzene-d5	7.40	82	782592	86.43	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	265608	84.95	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1498176	75.33	ng	0.00
79) Terphenyl-d14	12.95	244	994149	78.42	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.14	128	59722	2.296	ng	98
49) Acenaphthylene	9.73	152	128185	4.544	ng	97
50) Dimethylphthalate	9.59	163	275877	13.077	ng	99
52) Acenaphthene	9.90	154	91750	5.212	ng	98
55) Dibenzofuran	10.07	168	69589	2.720	ng	97
58) Fluorene	10.42	166	84127	4.382	ng	99
71) Phenanthrene	11.39	178	941103	43.316	ng	98
72) Anthracene	11.43	178	230027	10.552	ng	98
73) Carbazole	11.59	167	161288	7.650	ng	98
75) Fluoranthene	12.57	202	1136542	48.616	ng	100
78) Pyrene	12.80	202	961080	48.989	ng	99
81) Benzo(a)anthracene	13.99	228	491619	32.517	ng	95
83) Chrysene	14.03	228	485013	30.600	ng	96
87) Indeno(1,2,3-cd)pyrene	16.90	276	298565	21.997	ng	95
88) Benzo(b)fluoranthene	15.04	252	522140m	37.881	ng	
89) Benzo(k)fluoranthene	15.06	252	195462m	15.190	ng	
90) Benzo(a)pyrene	15.40	252	346934	28.776	ng	97
91) Dibenzo(a,h)anthracene	16.92	278	73335	6.627	ng	# 90
92) Benzo(a,h,i)perylene	17.34	276	276231	25.309	ng	98

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

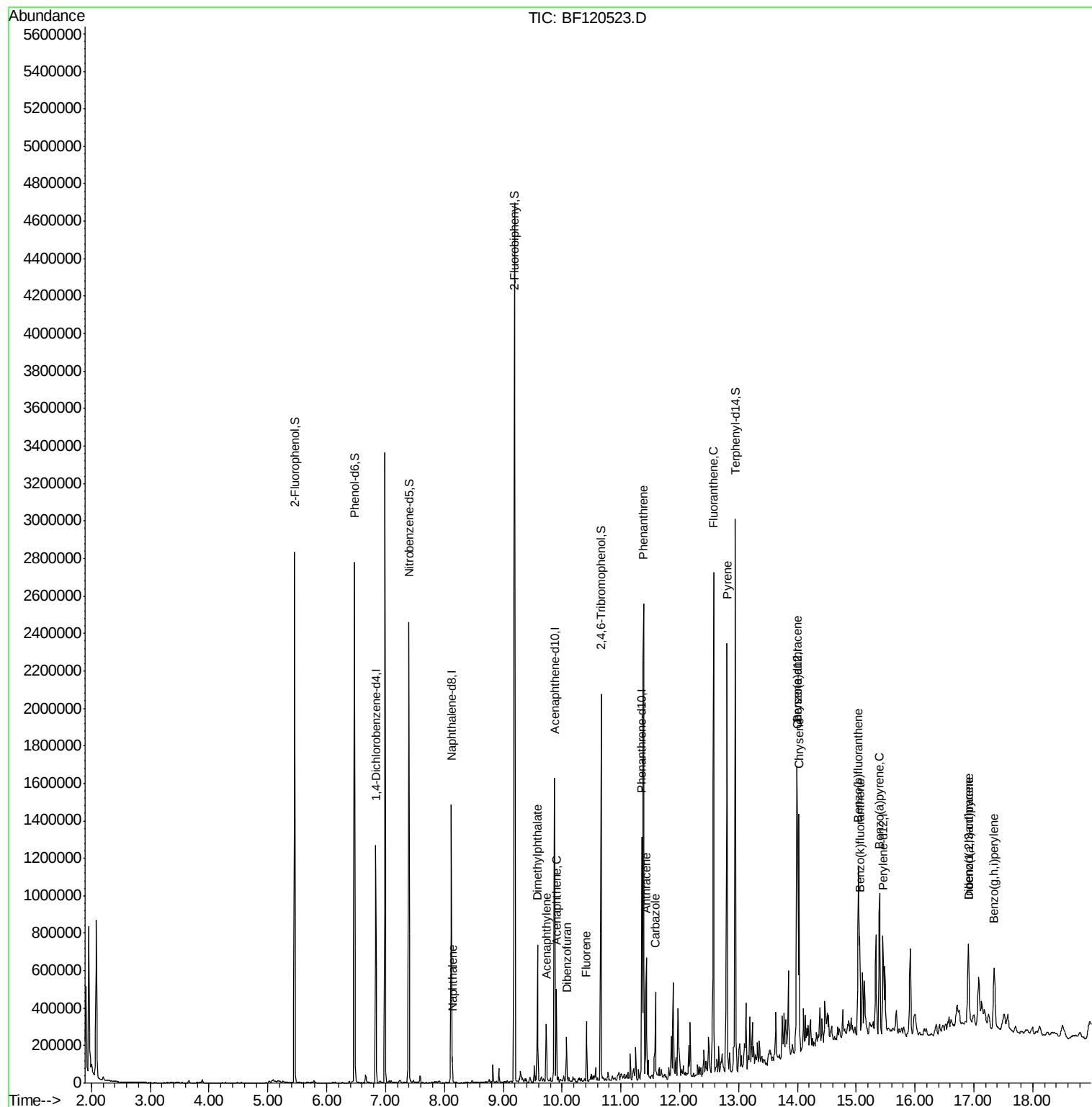
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120523.D
Acq On : 3 Jun 2020 21:32
Operator : JU/CG
Sample : L2839-05
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ALS Vial : 20 Sample Multiplier: 1

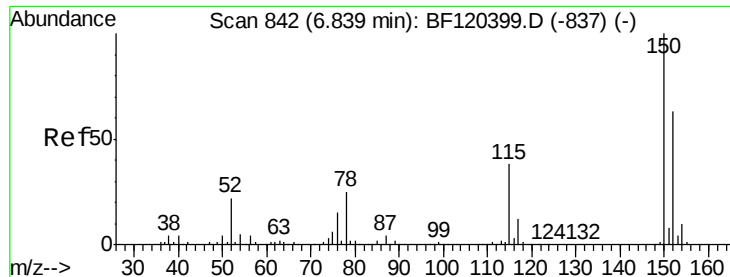
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

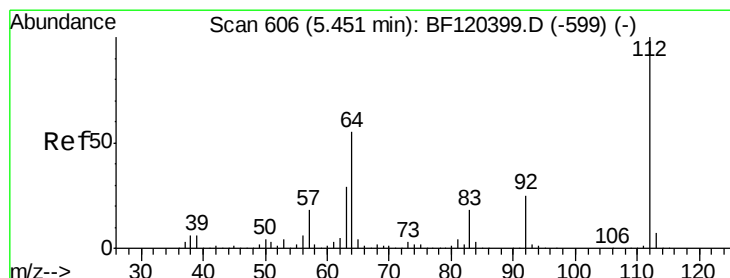
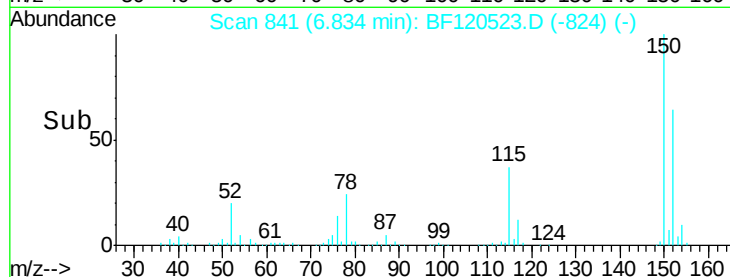
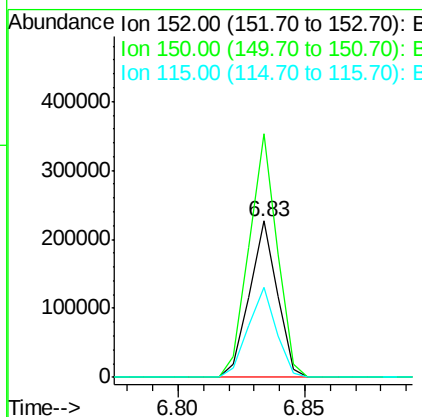
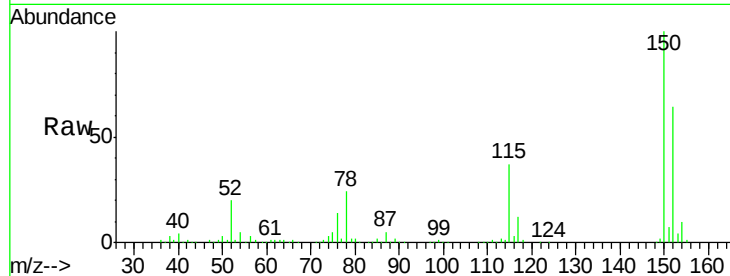
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	127.1	190.7
115	57.4	48.7	73.1

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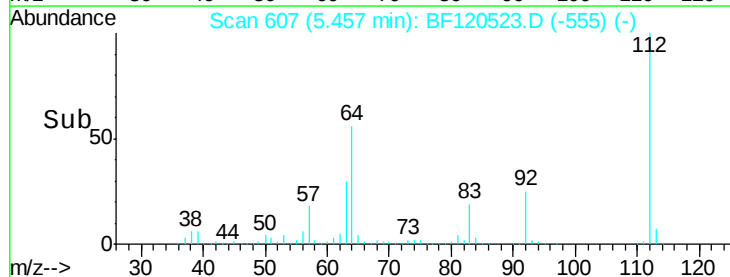
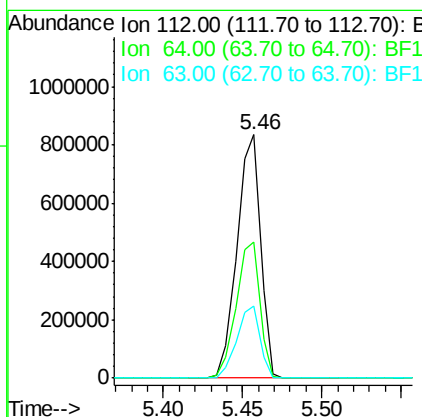
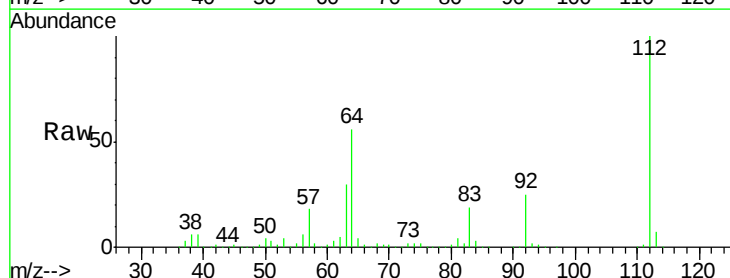
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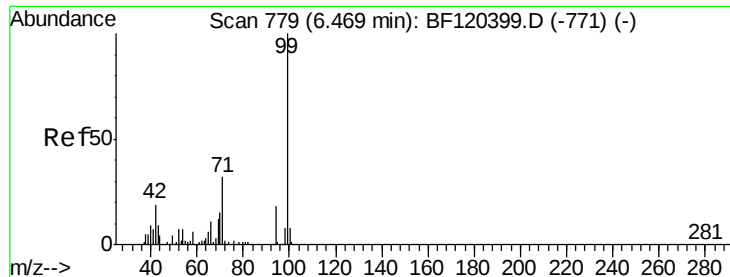


#5

2-Fluorophenol
Concen: 94.556 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	45.8	68.8
63	29.7	23.7	35.5





#7

Phenol-d6

Concen: 92.147 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.00 min

Lab File: BF120523.D

Acq: 3 Jun 2020 21:32

Instrument :

BNA_F

ClientSampleId :

NM13-COMP-2020-0-6

Tot Ion: 99 Resp: 1032566

Ion Ratio Lower Upper

99 100

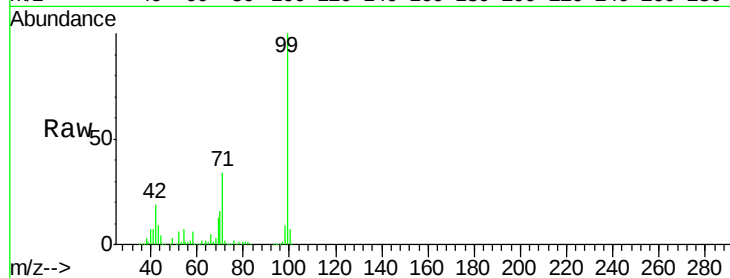
42 18.6 15.0 22.4

71 34.2 26.3 39.5

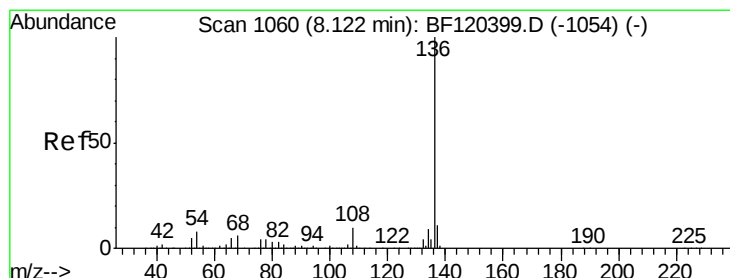
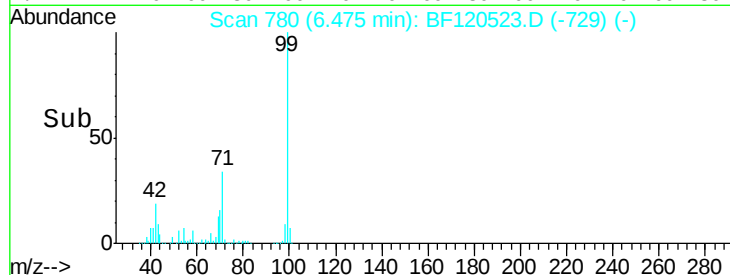
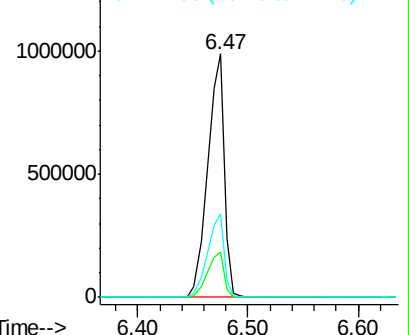
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF120523.D

Acq: 3 Jun 2020 21:32

Tgt Ion: 136 Resp: 592259

Ion Ratio Lower Upper

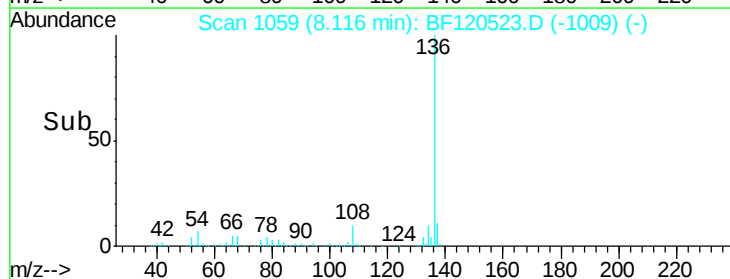
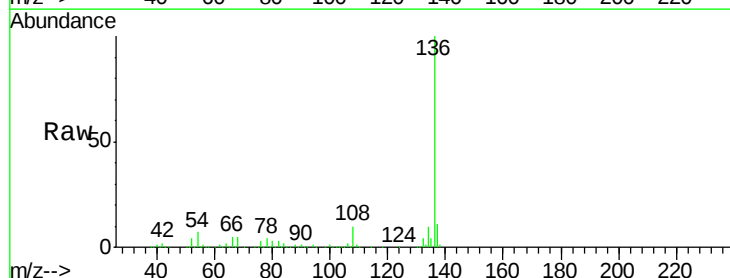
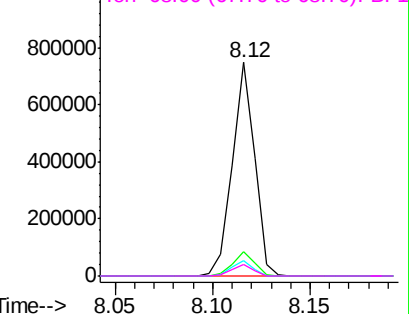
136 100

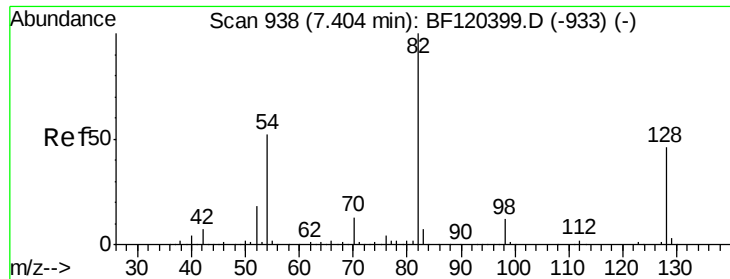
137 11.1 9.0 13.4

54 7.5 6.0 9.0

68 5.3 4.8 7.2

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





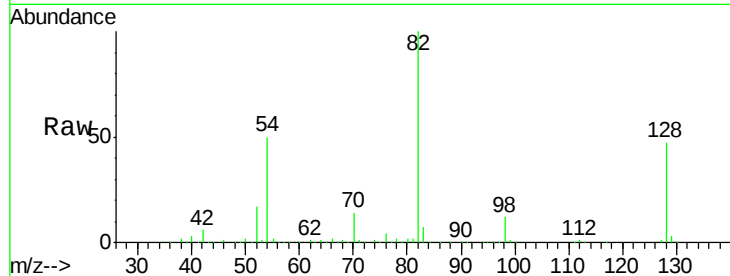
#23
Nitrobenzene-d5
Concen: 86.435 ng
RT: 7.40 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

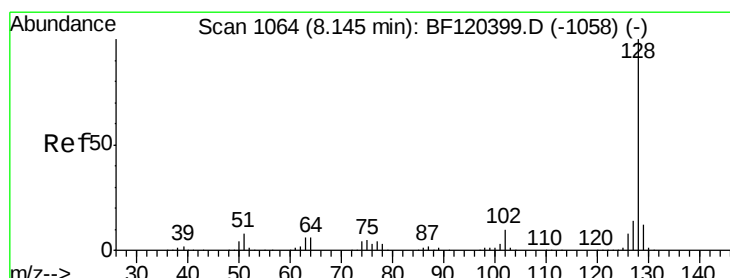
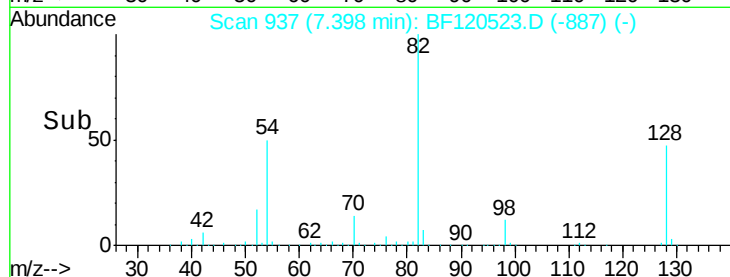
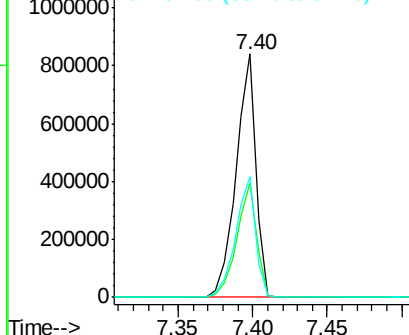
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.4	56.0
54	49.7	40.7	61.1

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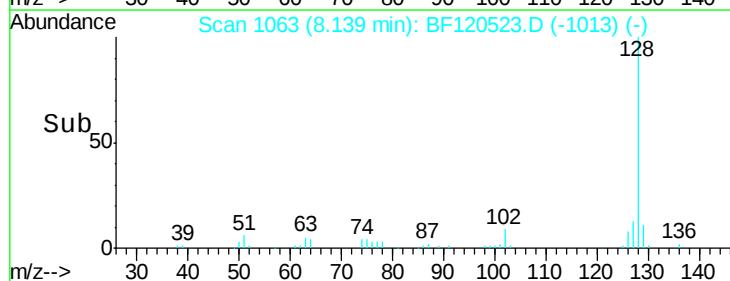
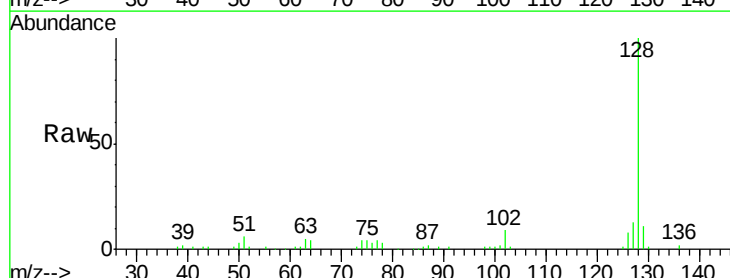
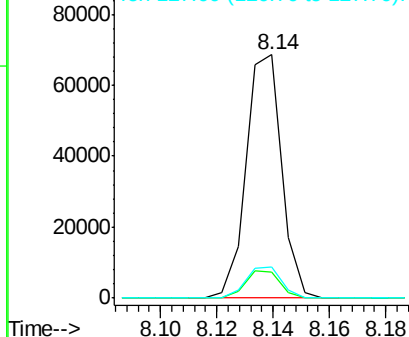
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

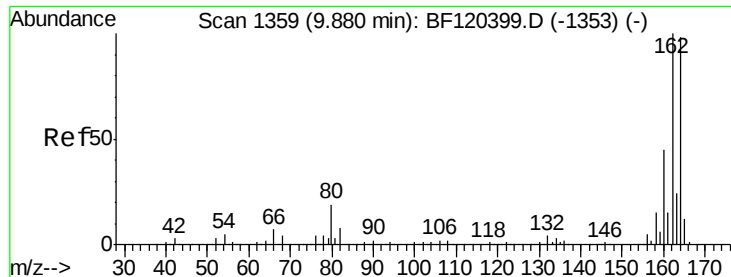


#31
Naphthalene
Concen: 2.296 ng
RT: 8.14 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.2	13.8
127	12.9	11.0	16.6

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BF120523.D

Acq: 3 Jun 2020 21:32

Instrument :

BNA_F

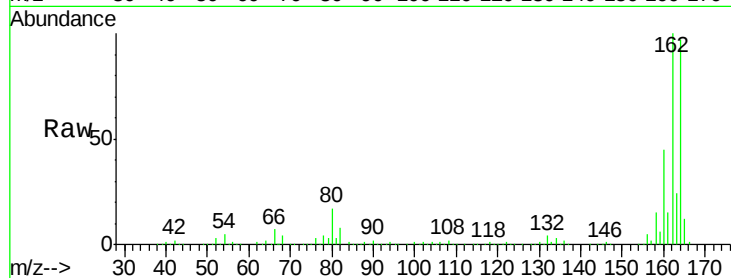
ClientSampleId :

NM13-COMP-2020-0-6

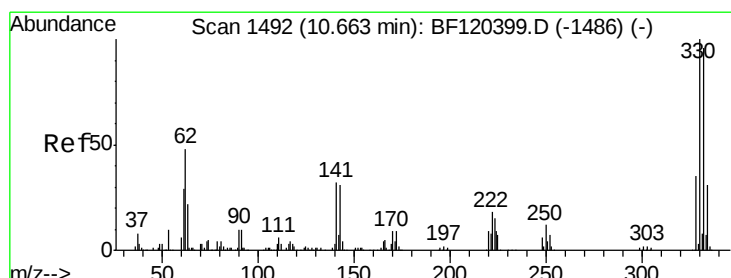
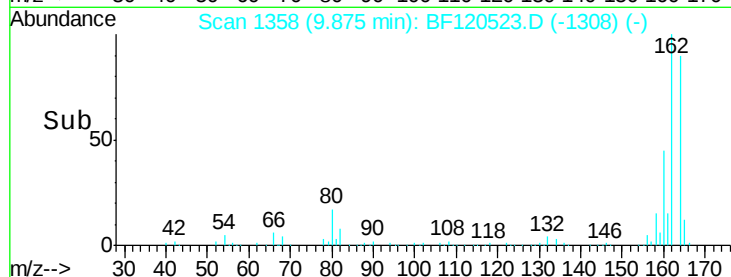
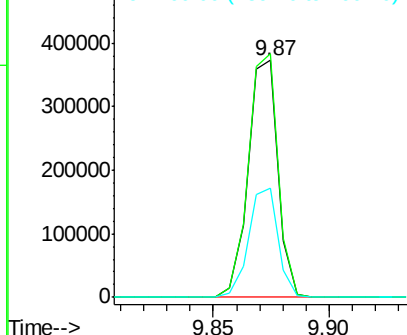
Tot Ion:	164	Resp:	337445
Ion Ratio	Lower	Upper	
164	100		
162	102.9	81.8	122.6
160	46.1	37.3	55.9

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 84.952 ng

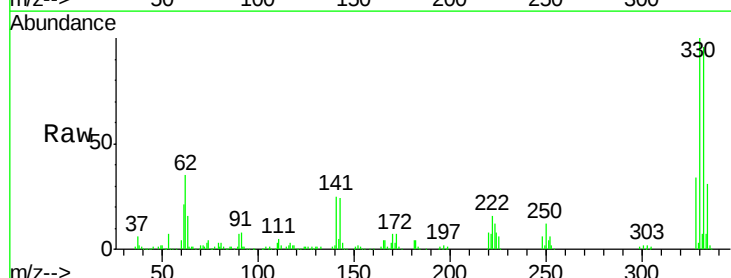
RT: 10.66 min Scan# 1492

Delta R.T. -0.01 min

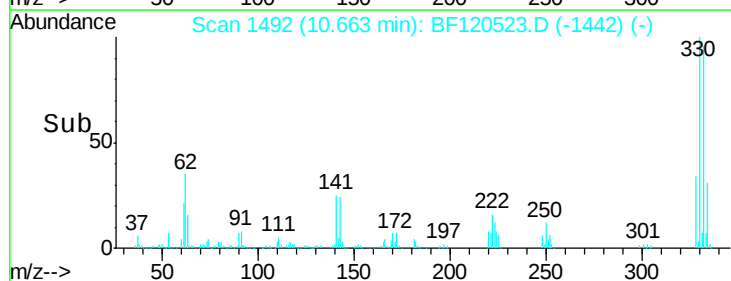
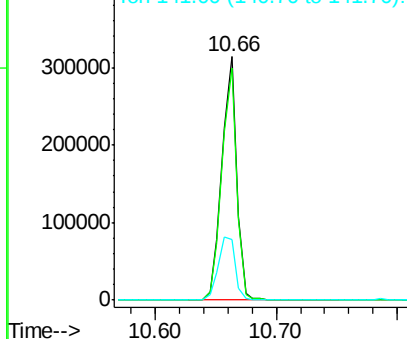
Lab File: BF120523.D

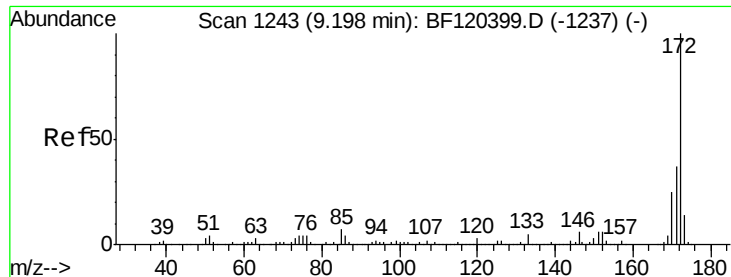
Acq: 3 Jun 2020 21:32

Tgt Ion:	330	Resp:	265608
Ion Ratio	Lower	Upper	
330	100		
332	95.9	77.4	116.2
141	29.6	23.5	35.3



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





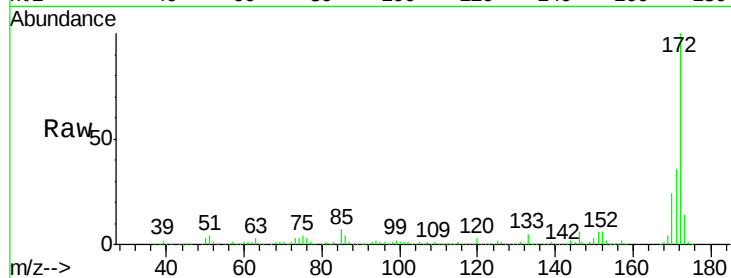
#45
2-Fluorobiphenyl
Concen: 75.329 ng
RT: 9.19 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

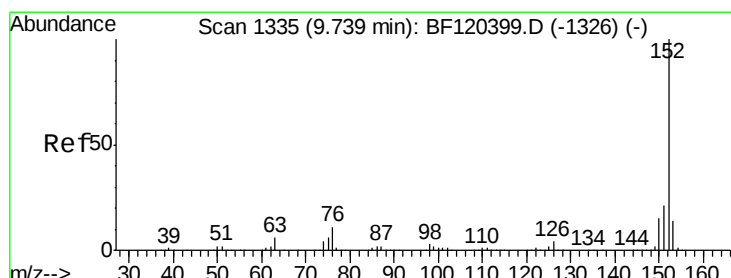
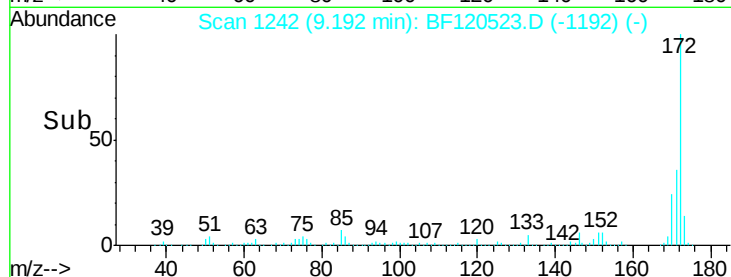
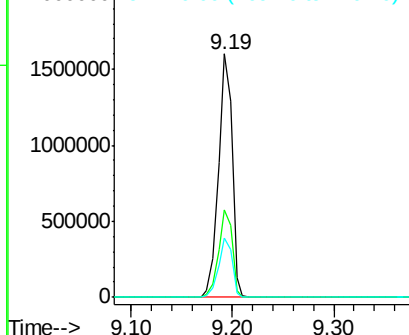
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.2	43.8
170	24.2	20.1	30.1

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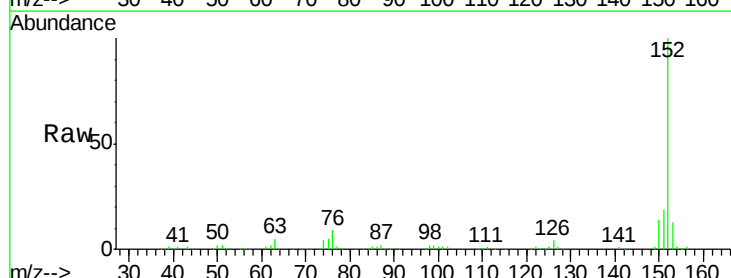


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

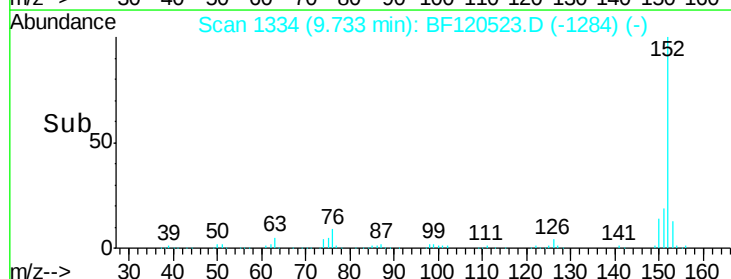
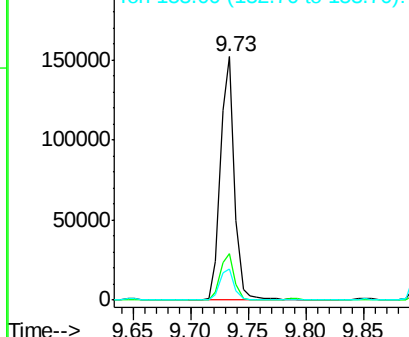


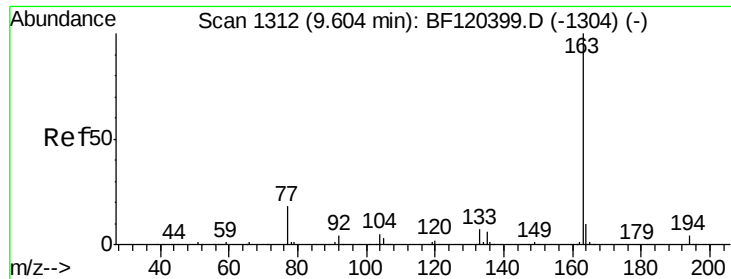
#49
Acenaphthylene
Concen: 4.544 ng
RT: 9.73 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.5	24.7
153	12.9	11.0	16.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





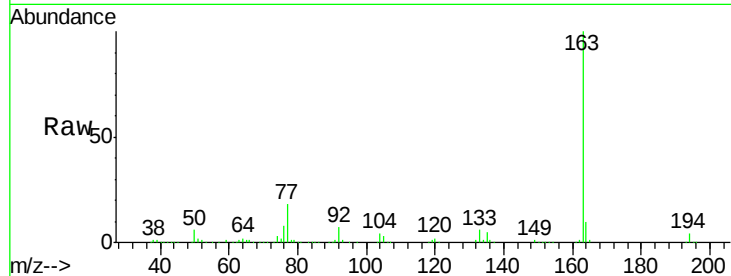
#50
Dimethylphthalate
Concen: 13.077 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

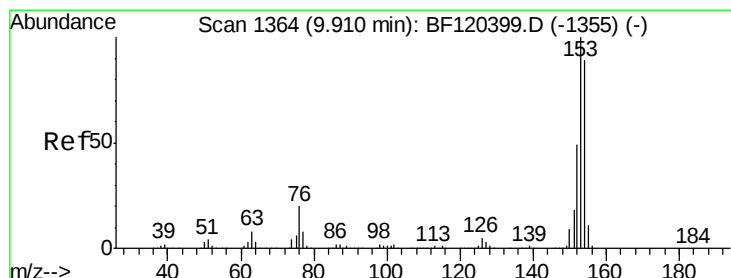
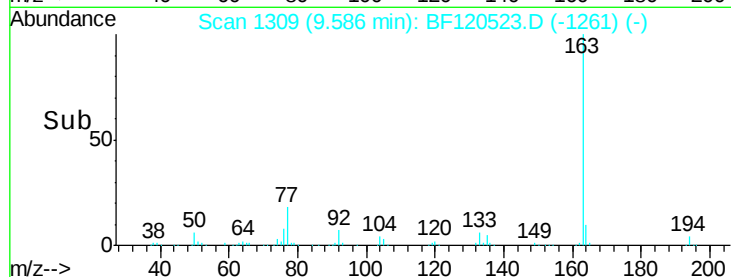
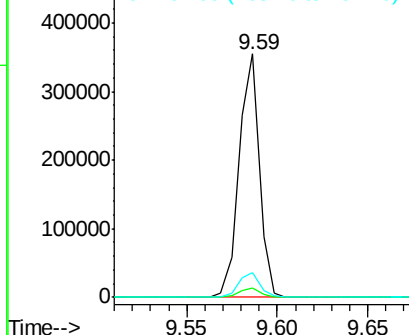
Tot Ion	Ratio	Resp	Lower	Upper
163	100	275877		
194	3.7		3.1	4.7
164	10.1		8.2	12.4

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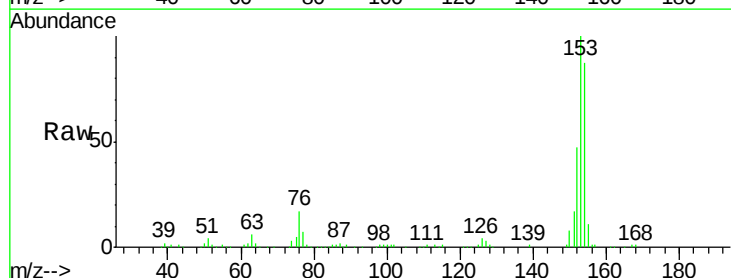


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

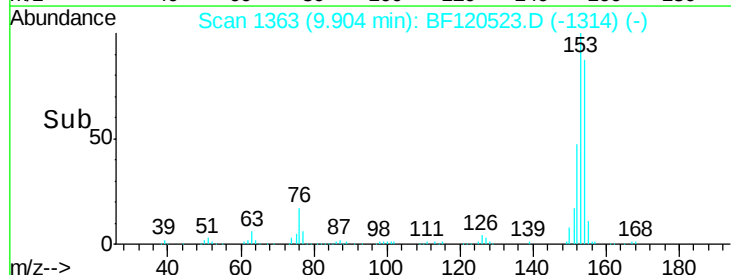
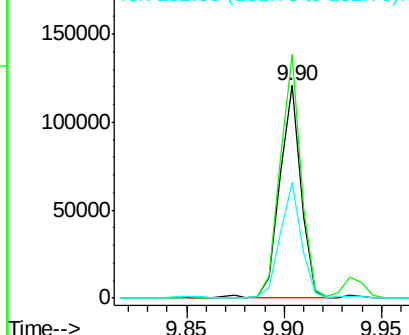


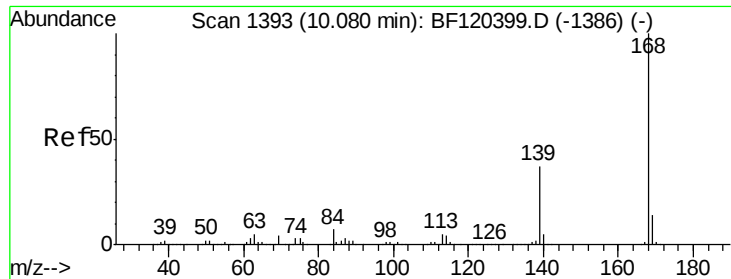
#52
Acenaphthene
Concen: 5.212 ng
RT: 9.90 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	91750		
153	114.5		89.8	134.8
152	54.2		43.8	65.6



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





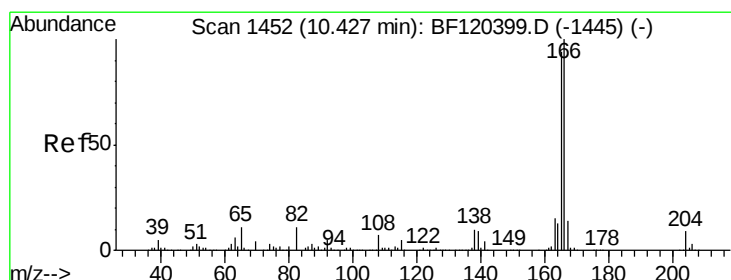
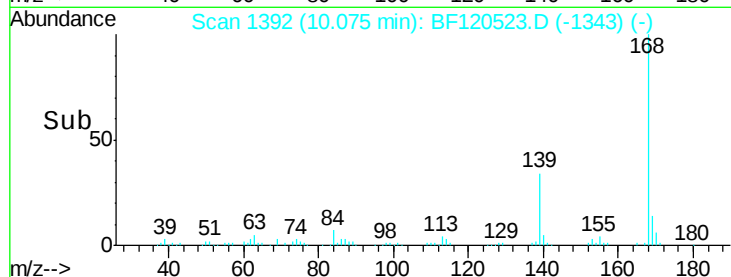
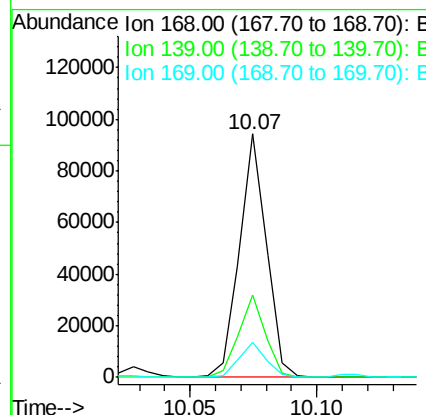
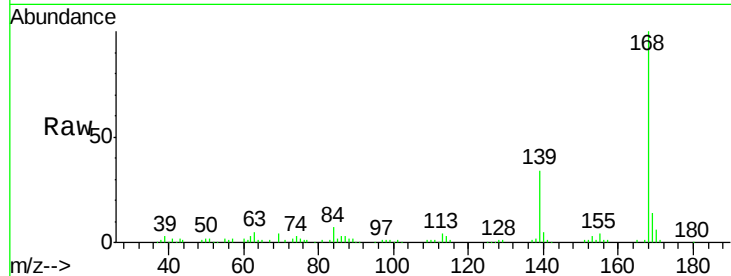
#55
Dibenzofuran
Concen: 2.720 ng
RT: 10.07 min Scan# 1392
Delta R.T. -0.01 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	33.8	29.0	43.4	
169	14.2	11.0	16.4	

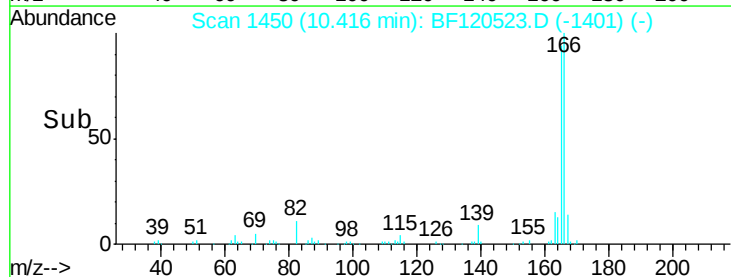
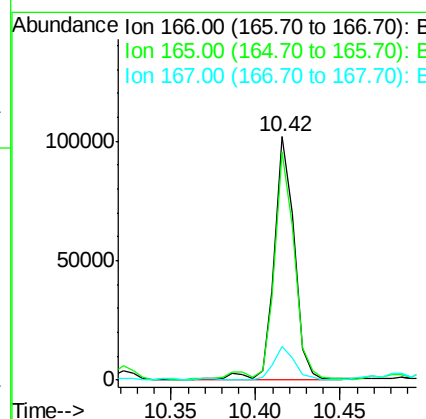
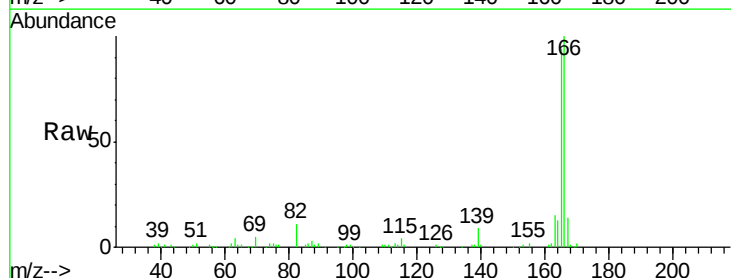
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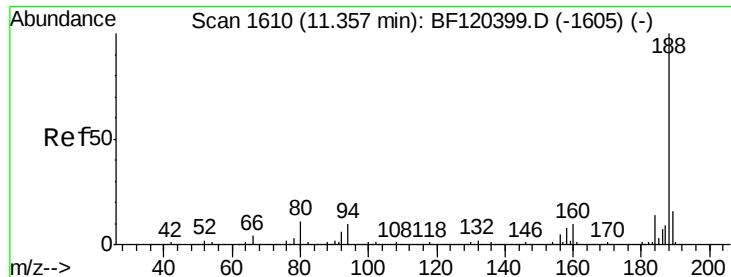
mohammad
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#58
Fluorene
Concen: 4.382 ng
RT: 10.42 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	93.9	75.8	113.8	
167	14.1	11.1	16.7	





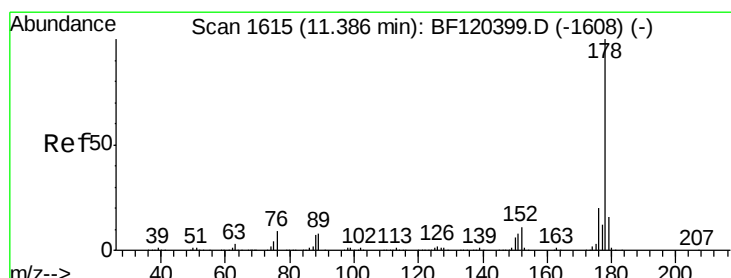
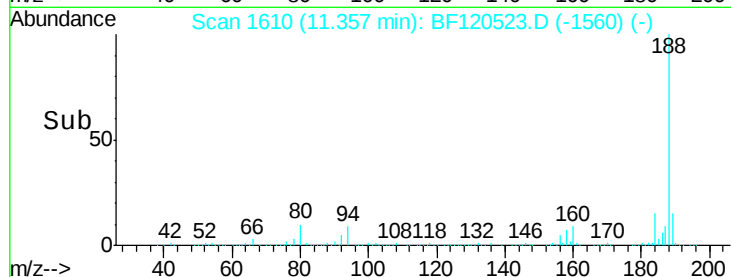
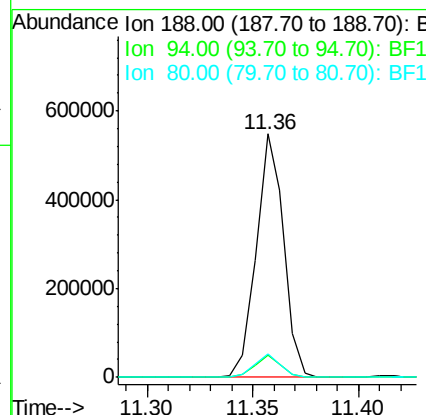
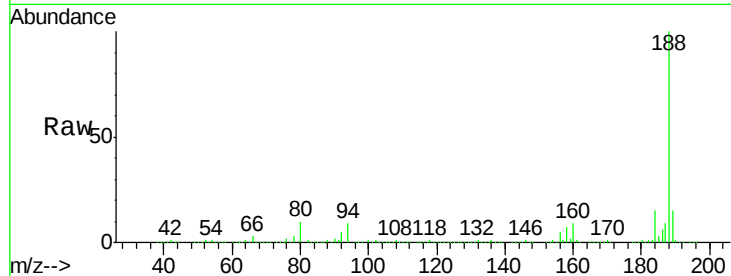
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
188	100		493078		
94	8.9		7.5	11.3	
80	9.7		7.9	11.9	

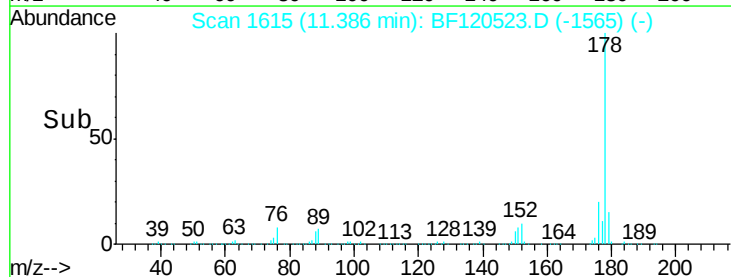
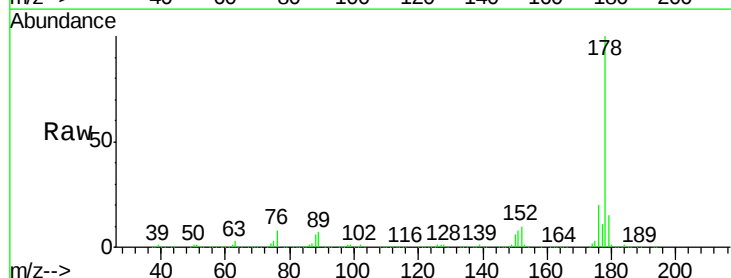
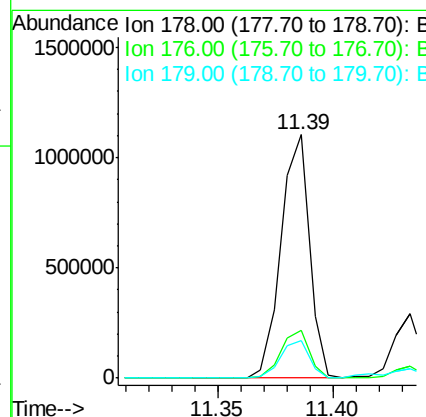
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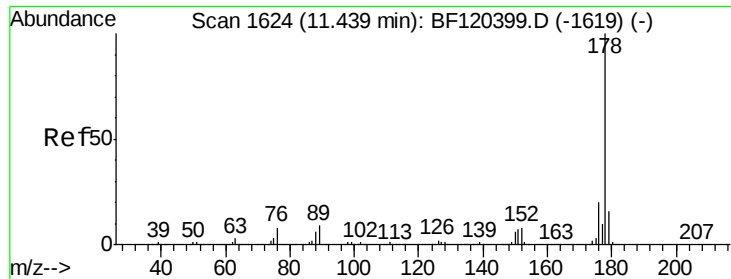
mohammad
6/4/2020 12:12:58 PM



#71
Phenanthrene
Concen: 43.316 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.01 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		941103		
176	19.6		16.6	24.8	
179	15.3		13.0	19.4	





#72

Anthracene

Concen: 10.552 ng

RT: 11.43 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF120523.D

Acq: 3 Jun 2020 21:32

Instrument :

BNA_F

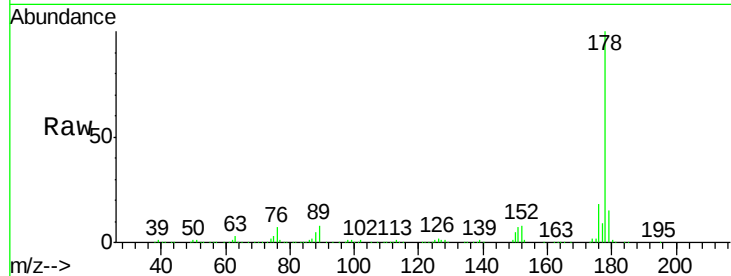
ClientSampleId :

NM13-COMP-2020-0-6

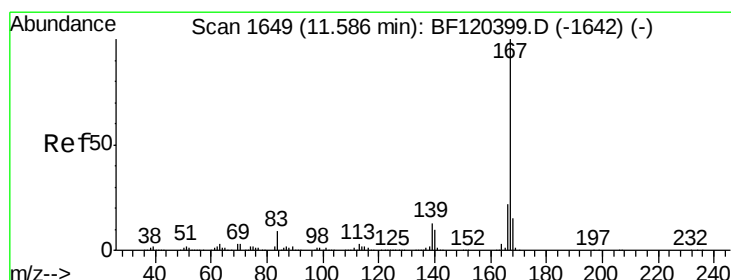
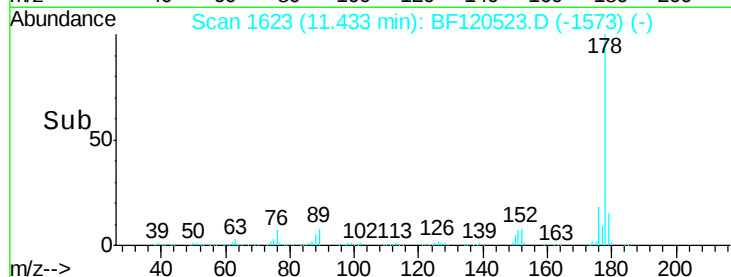
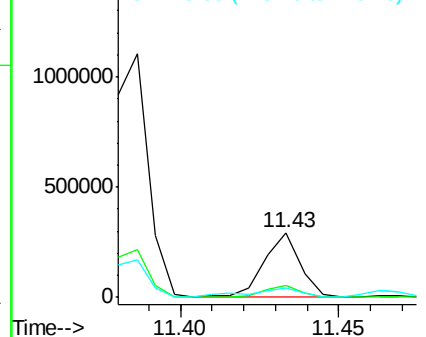
Tot Ion:	178	Resp:	230027
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.7	23.5
179	15.4	13.1	19.7

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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: 7.650 ng

RT: 11.59 min Scan# 1649

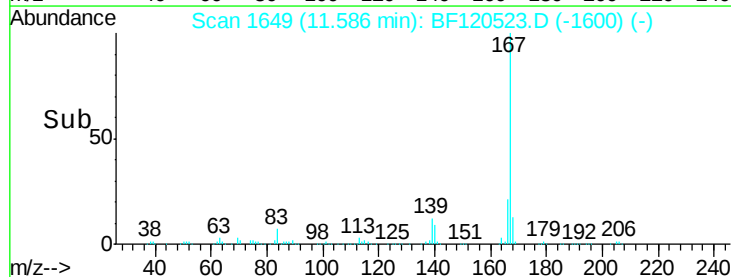
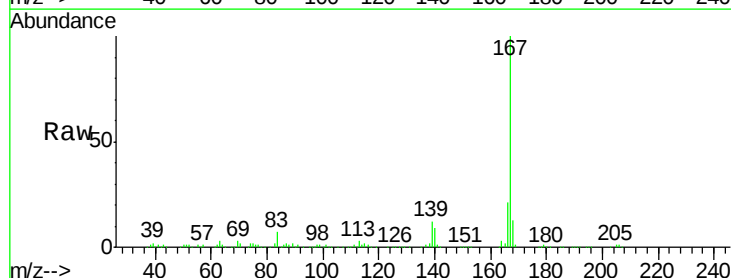
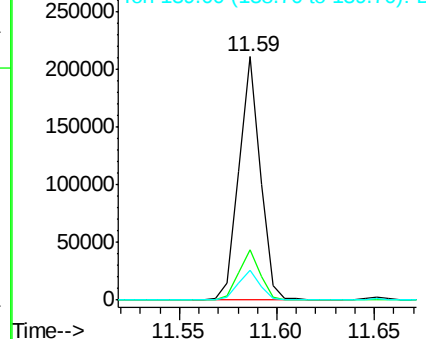
Delta R.T. -0.01 min

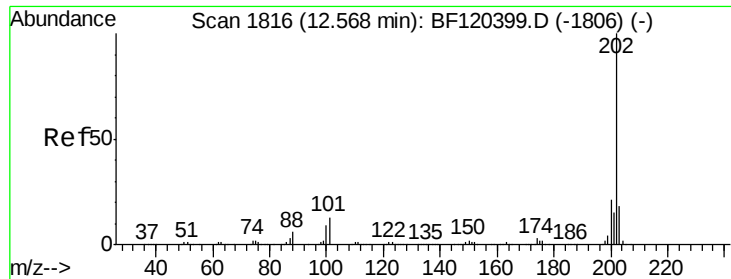
Lab File: BF120523.D

Acq: 3 Jun 2020 21:32

Tgt Ion:	167	Resp:	161288
Ion Ratio	Lower	Upper	
167	100		
166	20.9	17.8	26.8
139	12.1	10.2	15.2

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: 48.616 ng

RT: 12.57 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF120523.D

Acq: 3 Jun 2020 21:32

Instrument :

BNA_F

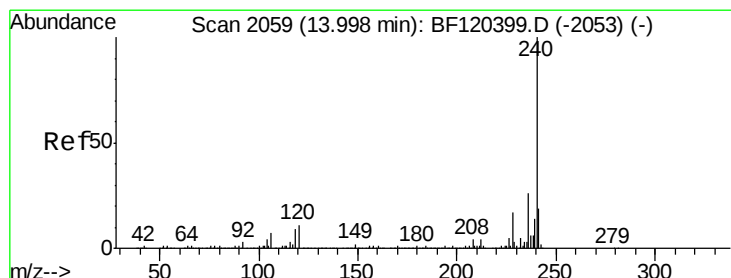
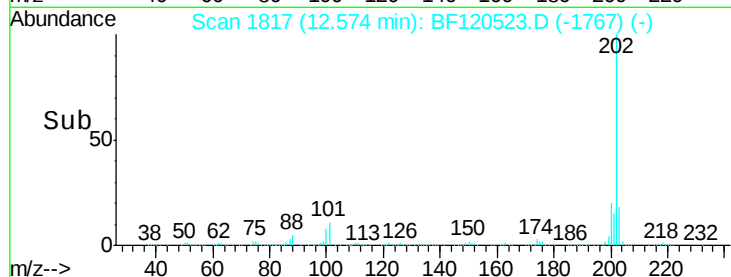
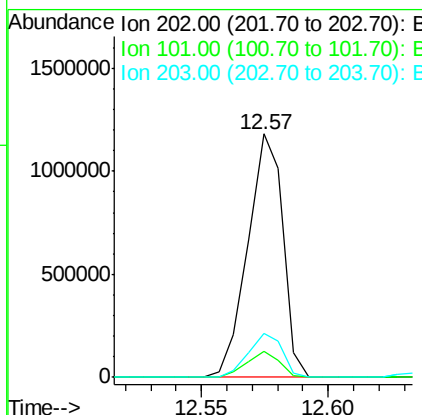
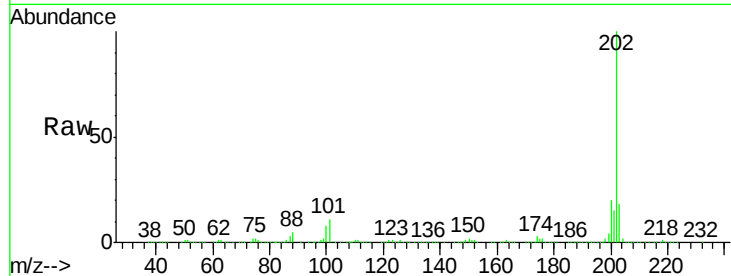
ClientSampleId :

NM13-COMP-2020-0-6

Tot Ion:	202	Resp:	1136542
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	30.4
203	18.1	0.0	38.2

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#76

Chrysene-d12

Concen: 20.000 ng

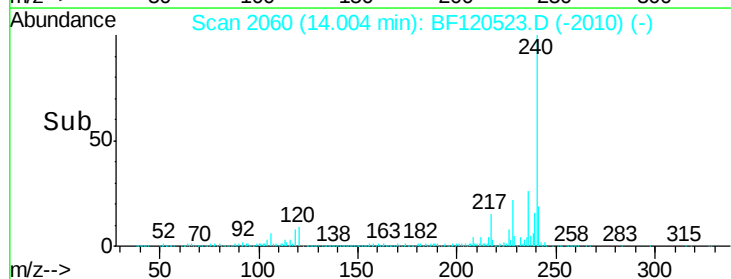
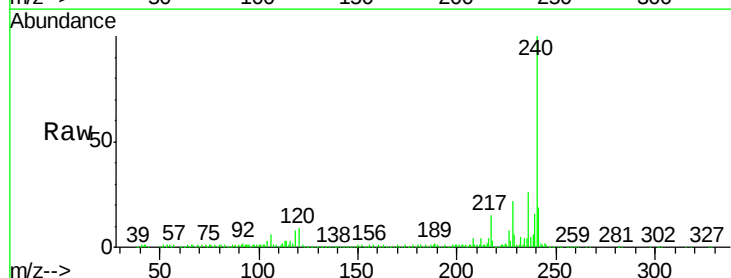
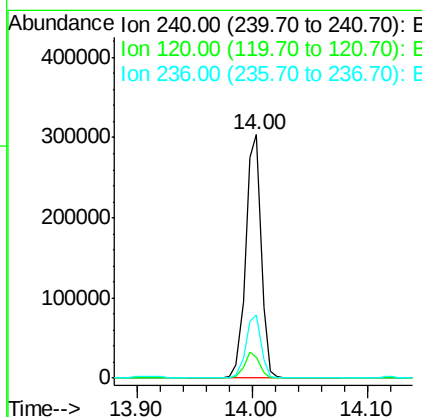
RT: 14.00 min Scan# 2060

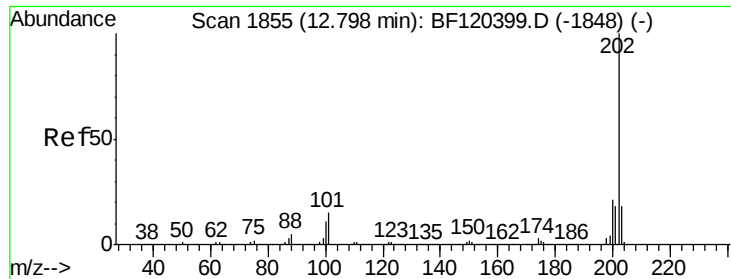
Delta R.T. -0.01 min

Lab File: BF120523.D

Acq: 3 Jun 2020 21:32

Tgt Ion:	240	Resp:	282096
Ion	Ratio	Lower	Upper
240	100		
120	8.7	7.9	11.9
236	25.7	21.1	31.7





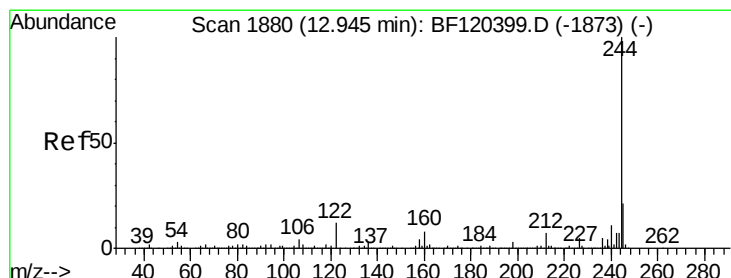
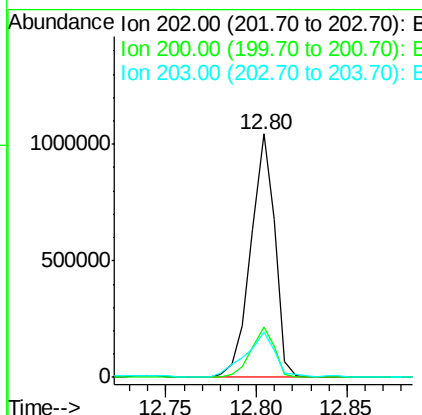
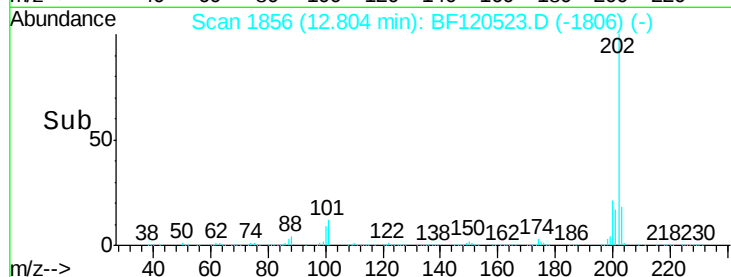
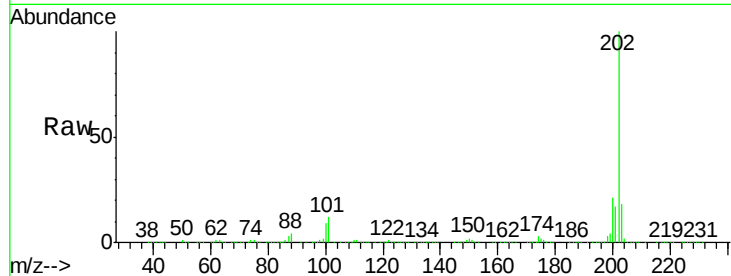
#78
Pvrene
Concen: 48.989 ng
RT: 12.80 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	17.3	25.9
203	18.3	14.5	21.7

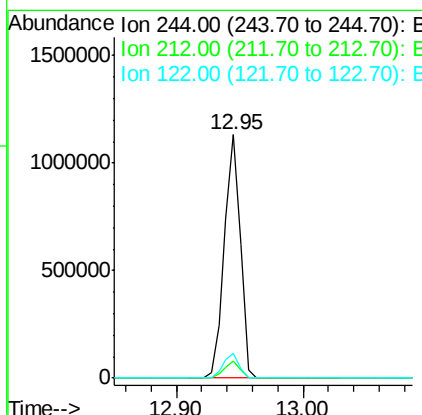
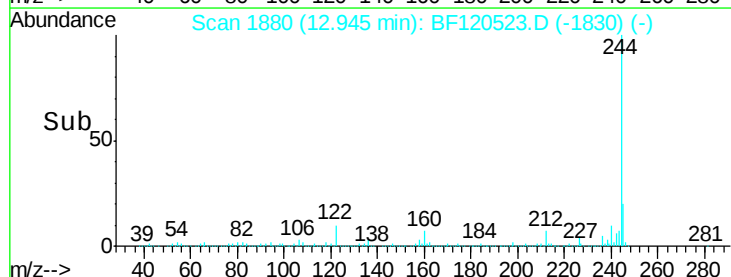
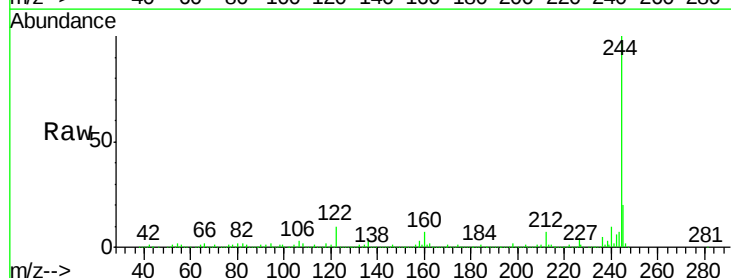
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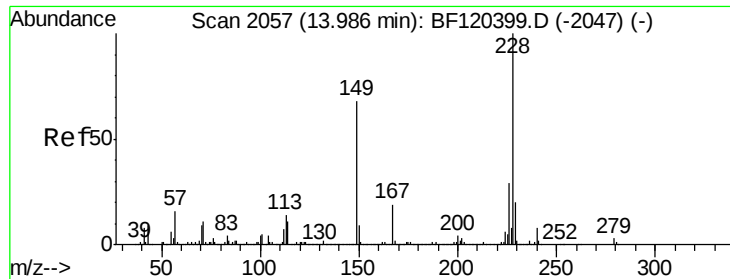
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#79
Terphenyl-d14
Concen: 78.421 ng
RT: 12.95 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.8	8.8
122	10.3	8.2	12.4





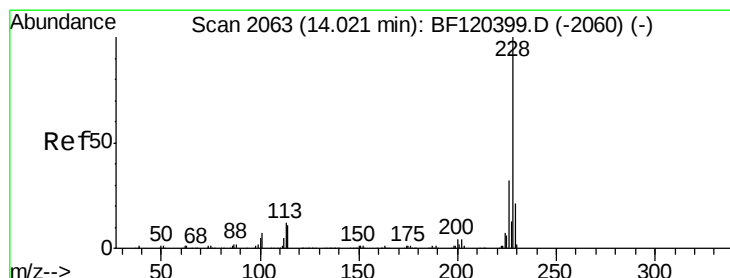
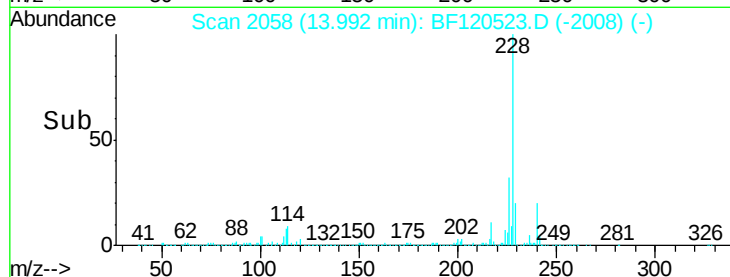
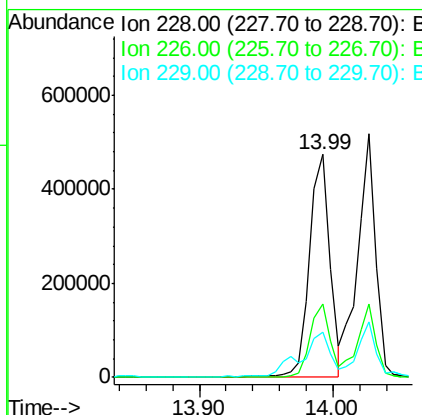
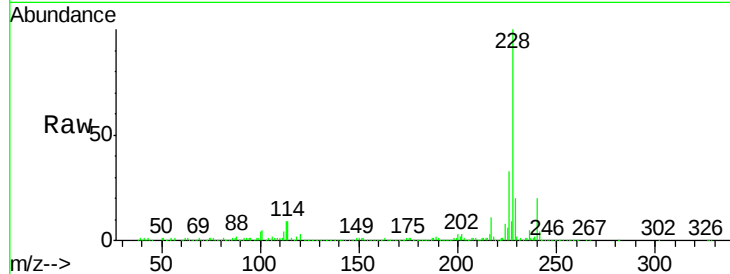
#81
Benzo(a)anthracene
Concen: 32.517 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.7	34.1
229	20.3	16.3	24.5

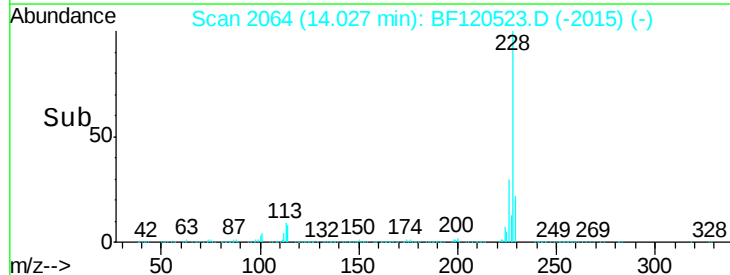
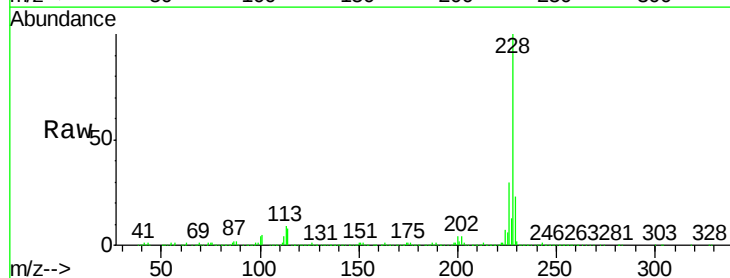
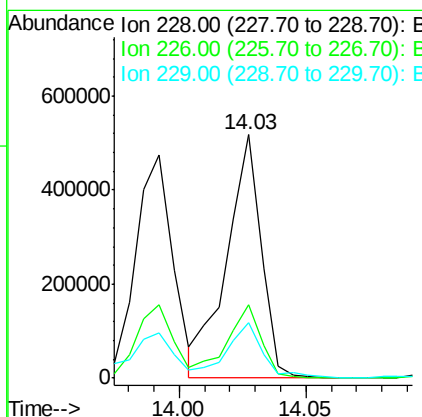
Manual Integrations
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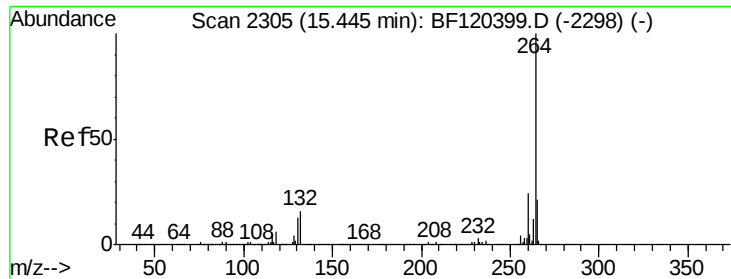
mohammad
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#83
Chrysene
Concen: 30.600 ng
RT: 14.03 min Scan# 2064
Delta R.T. -0.01 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.2	37.8
229	22.6	16.1	24.1





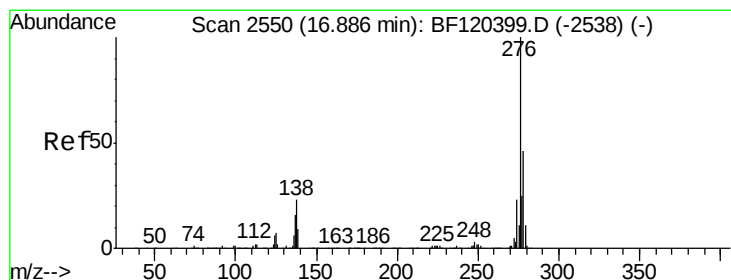
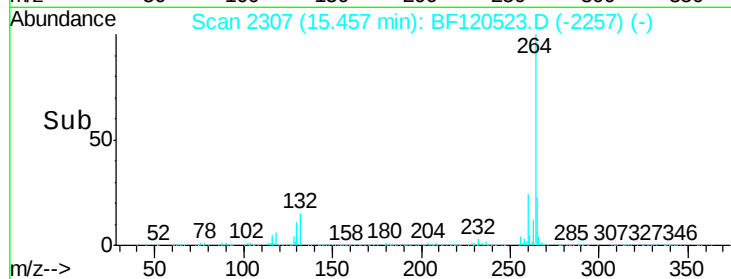
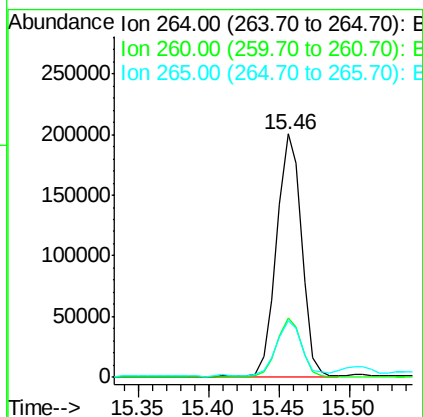
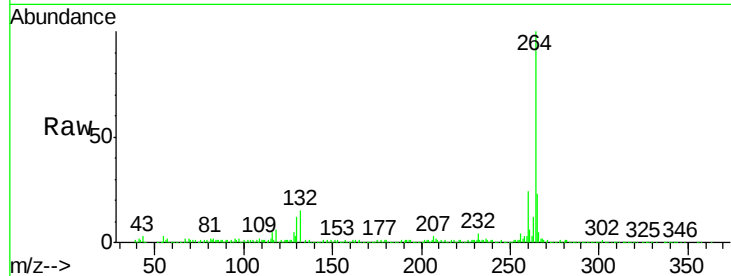
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. -0.01 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

Tot Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.3	19.8	29.8
265	23.4	17.5	26.3

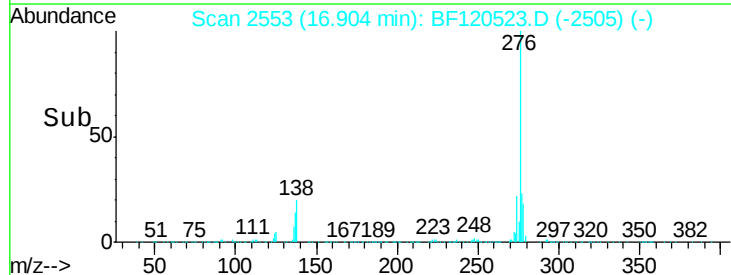
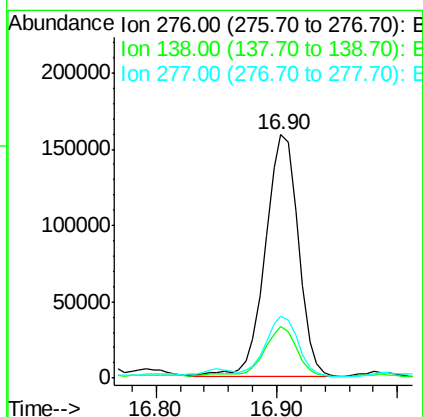
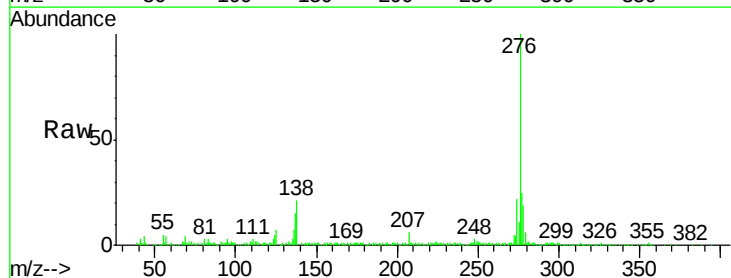
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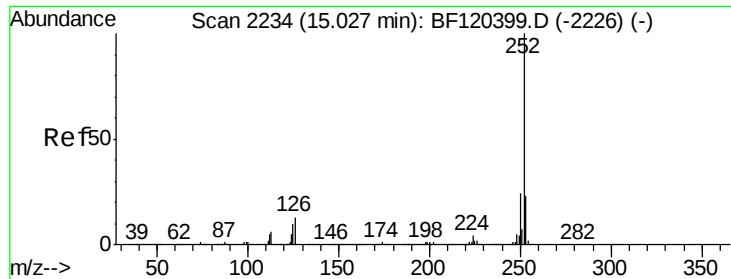
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 21.997 ng
RT: 16.90 min Scan# 2553
Delta R.T. -0.02 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	20.1	19.2	28.8
277	24.6	20.4	30.6





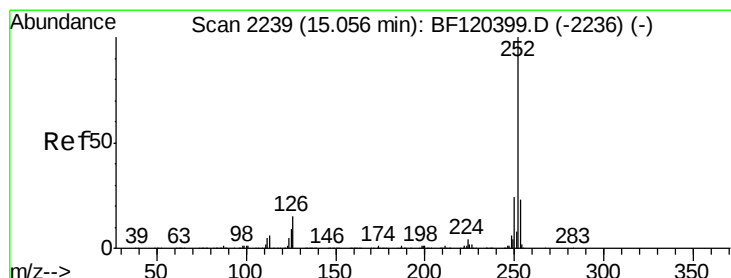
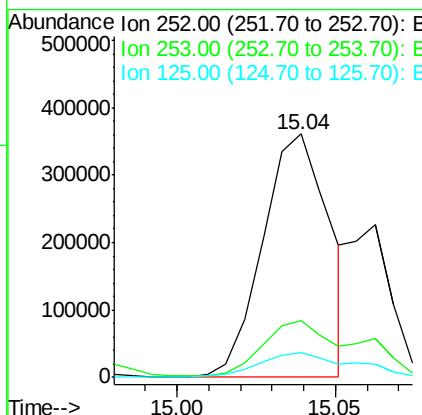
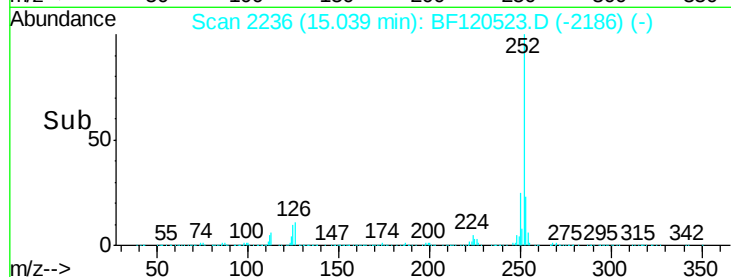
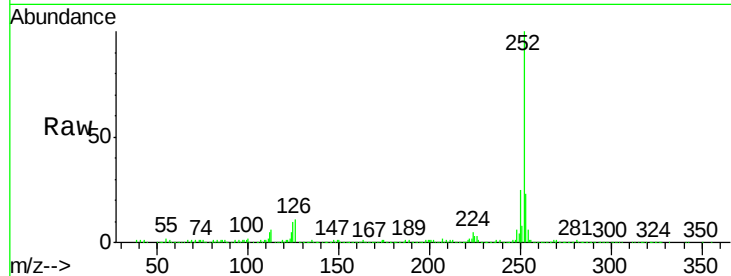
#88
Benzo(b)fluoranthene
Concen: 37.881 ng m
RT: 15.04 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	10.1	7.6	11.4

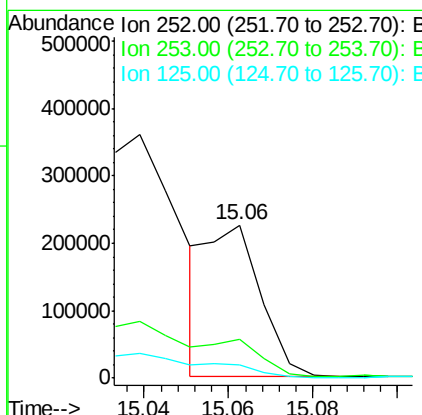
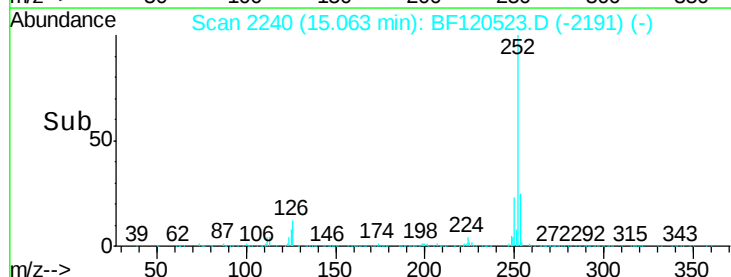
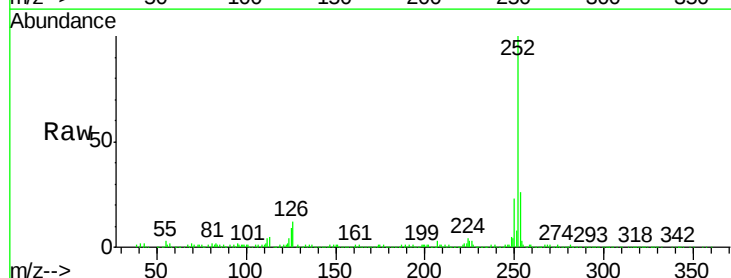
Manual Integrations
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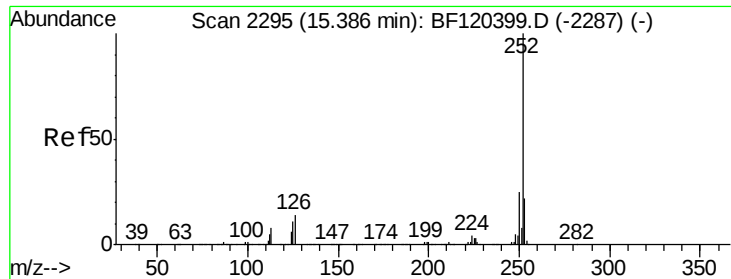
mohammad
6/4/2020 12:12:58 PM



#89
Benzo(k)fluoranthene
Concen: 15.190 ng m
RT: 15.06 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.6	26.4
125	9.0	7.5	11.3





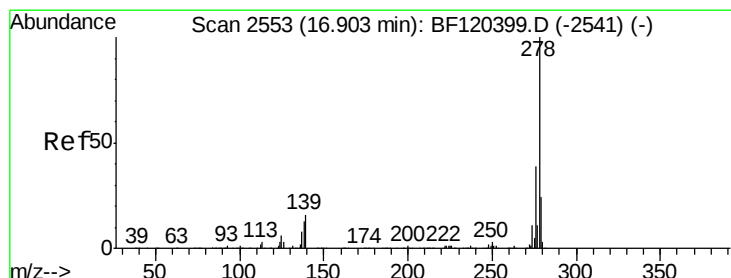
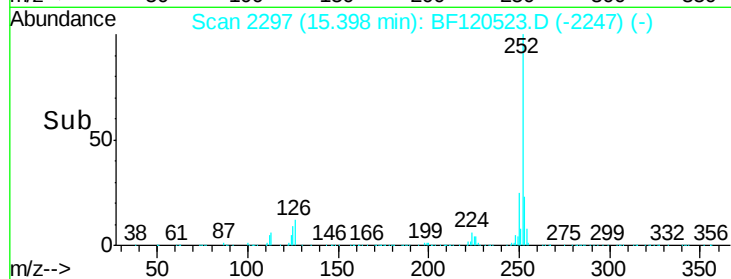
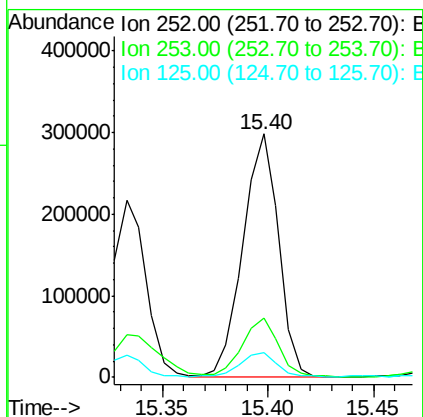
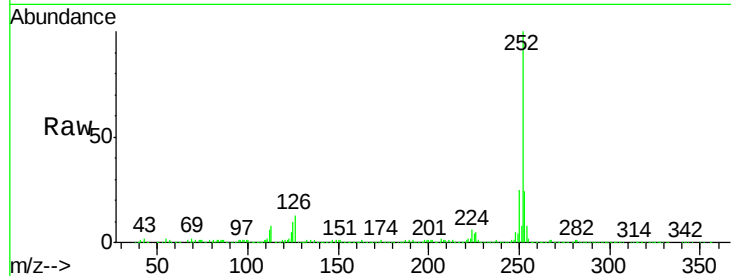
#90
Benzo(a)pyrene
Concen: 28.776 ng
RT: 15.40 min Scan# 2297
Delta R.T. -0.01 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	10.2	9.2	13.8

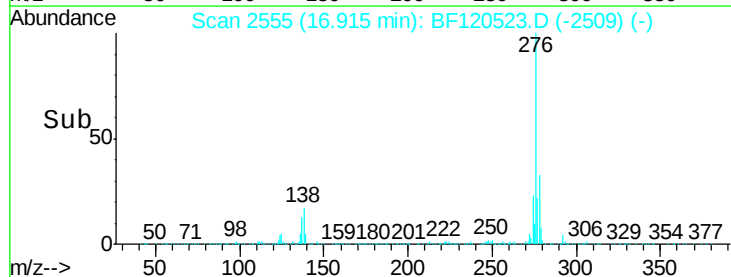
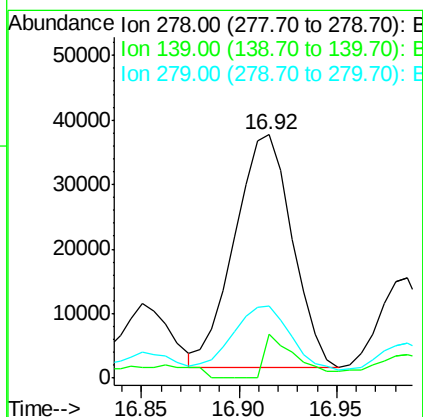
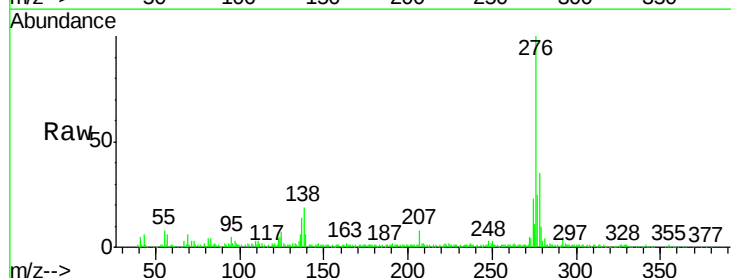
Manual Integrations
APPROVED

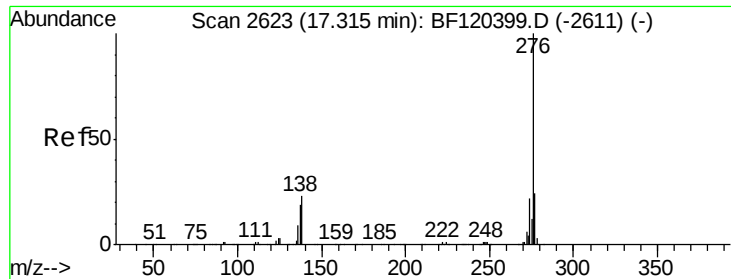
mohammad
6/4/2020 12:12:58 PM



#91
Dibenzo(a,h)anthracene
Concen: 6.627 ng
RT: 16.92 min Scan# 2555
Delta R.T. -0.03 min
Lab File: BF120523.D
Acq: 3 Jun 2020 21:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.1	11.6	17.4#
279	29.5	19.2	28.8#





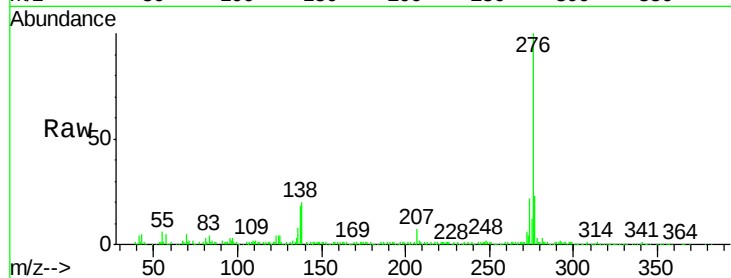
#92
 Benzo(a,h,i)perylene
 Concen: 25.309 ng
 RT: 17.34 min Scan# 2628
 Delta R.T. -0.02 min
 Lab File: BF120523.D
 Acq: 3 Jun 2020 21:32

Instrument :
 BNA_F
 ClientSampleId :
 NM13-COMP-2020-0-6

Tot Ion:	276	Resp:	276231
Ion Ratio	Lower	Upper	
276	100		
277	23.3	19.4	29.2
138	19.7	16.6	25.0

Manual Integrations
 APPROVED

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 6/4/2020 12:12:58 PM



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

