

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120545.D
 Acq On : 4 Jun 2020 20:41
 Operator : JU/CG
 Sample : L2839-05RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Manual Integrations
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 6/5/2020 11:58:01 AM

Quant Time: Jun 05 01:14:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 16:38:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	184122	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	666160	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	328834	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	396338	20.00	ng	0.00
76) Chrysene-d12	14.00	240	295152	20.00	ng	0.00
86) Perylene-d12	15.46	264	250509	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	906060	93.78	ng	0.00
7) Phenol-d6	6.46	99	1155816	97.06	ng	0.00
23) Nitrobenzene-d5	7.39	82	783466	76.93	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	234333	76.91	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1376353	71.02	ng	0.00
79) Terphenyl-d14	12.94	244	1000160	75.40	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.13	128	67887	2.320	ng	98
49) Acenaphthylene	9.73	152	136594	4.969	ng	97
50) Dimethylphthalate	9.58	163	261582	12.724	ng	100
52) Acenaphthene	9.90	154	84656	4.935	ng	98
58) Fluorene	10.41	166	66012	3.528	ng	97
71) Phenanthrene	11.38	178	767367	43.940	ng	98
72) Anthracene	11.43	178	175786	10.032	ng	99
73) Carbazole	11.58	167	130295	7.688	ng	99
75) Fluoranthene	12.57	202	1147719	61.077	ng	97
78) Pyrene	12.80	202	980225	47.755	ng	99
81) Benzo(a)anthracene	13.99	228	532263	33.648	ng	94
83) Chrysene	14.02	228	481542	29.037	ng	96
87) Indeno(1,2,3-cd)pyrene	16.90	276	220089m	16.063	ng	
88) Benzo(b)fluoranthene	15.03	252	575891m	41.389	ng	
89) Benzo(k)fluoranthene	15.06	252	170041m	13.091	ng	
90) Benzo(a)pyrene	15.39	252	357375	29.364	ng	97
91) Dibenzo(a,h)anthracene	16.91	278	55254m	4.946	ng	
92) Benzo(g,h,i)perylene	17.34	276	205133	18.619	ng	98

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

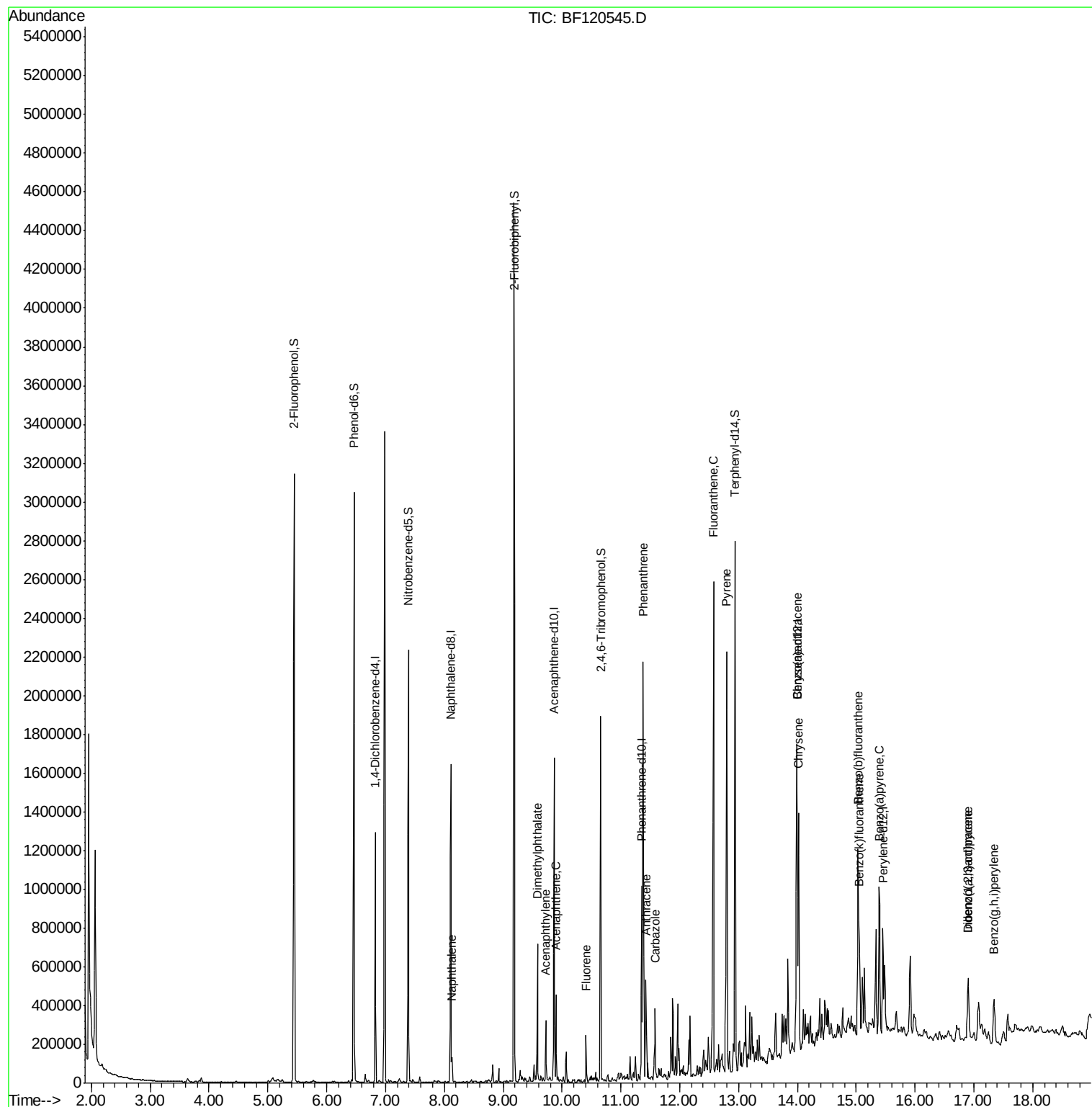
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120545.D
Acq On : 4 Jun 2020 20:41
Operator : JU/CG
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ALS Vial : 18 Sample Multiplier: 1

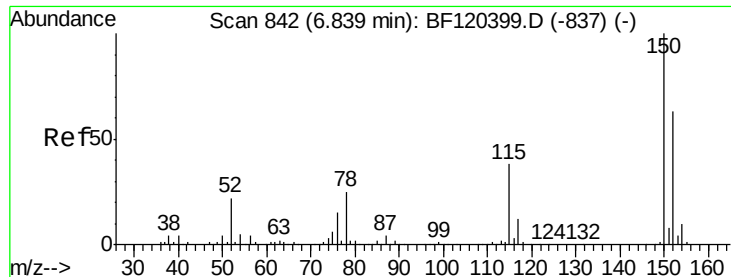
Instrument :
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NM13-COMP-2020-0-6RE

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Quant Time: Jun 05 01:14:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 04 16:38:34 2020
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#1

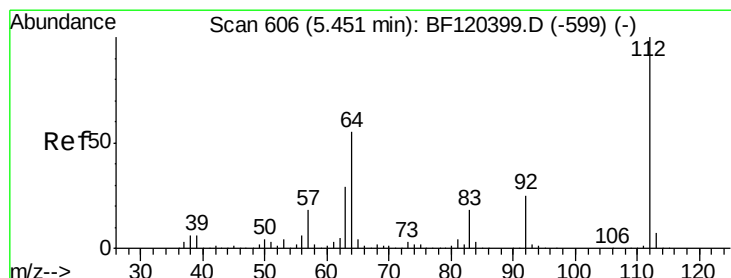
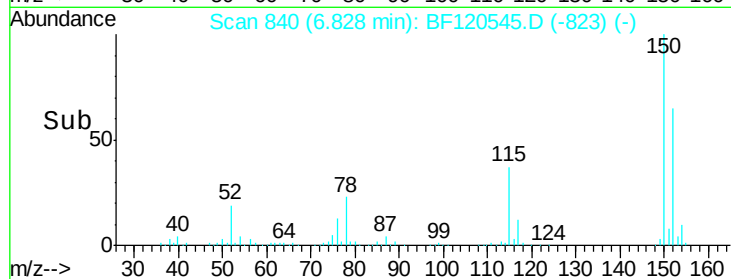
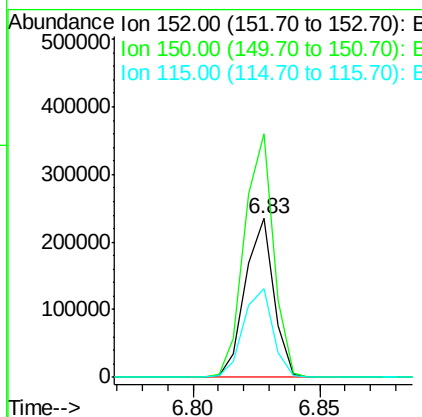
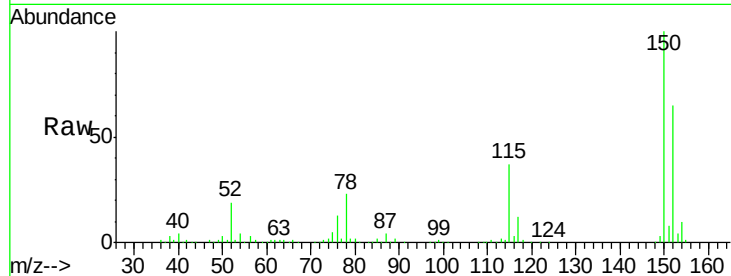
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF120545.D
Acq: 4 Jun 2020 20:41

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	126.3	189.5
115	56.2	48.1	72.1

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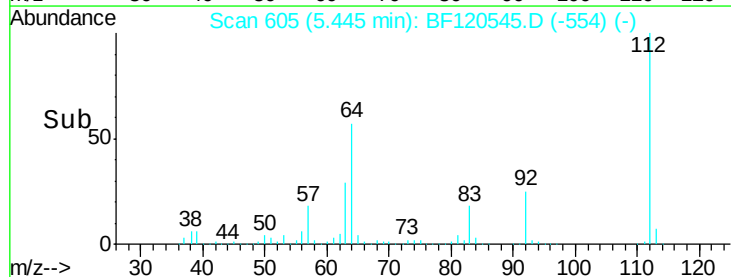
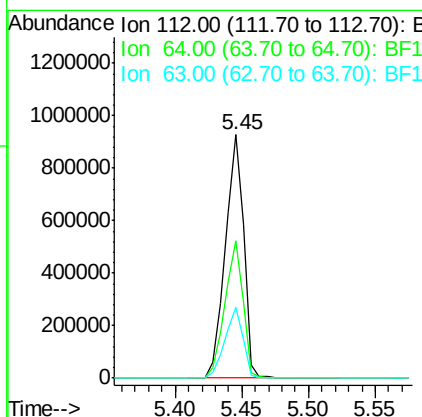
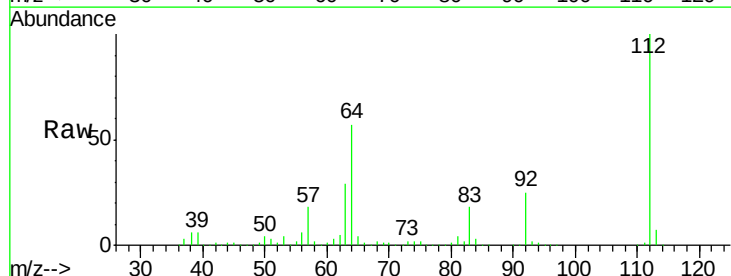
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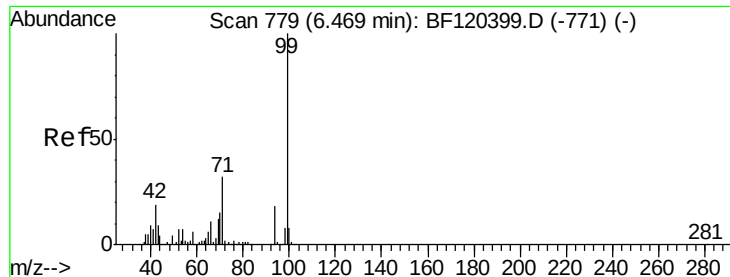


#5

2-Fluorophenol
Concen: 93.781 ng
RT: 5.45 min Scan# 605
Delta R.T. 0.00 min
Lab File: BF120545.D
Acq: 4 Jun 2020 20:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	47.2	70.8
63	29.1	24.7	37.1





#7

Phenol-d6

Concen: 97.059 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120545.D

Acq: 4 Jun 2020 20:41

Instrument :

BNA_F

ClientSampleId :

NM13-COMP-2020-0-6RE

Tot Ion: 99 Resp: 1155816

Ion Ratio Lower Upper

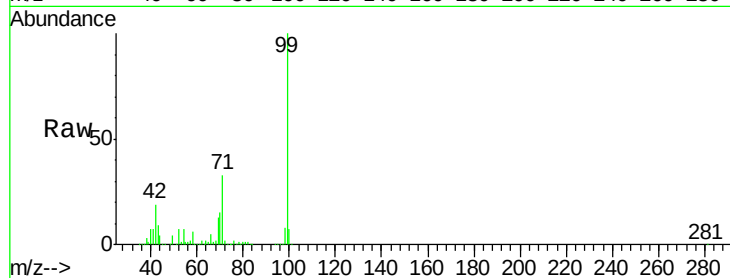
99 100

42 18.7 15.0 22.6

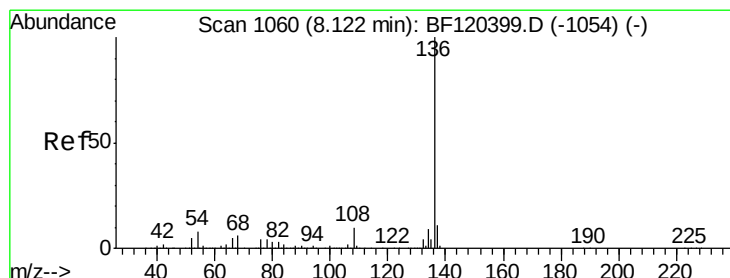
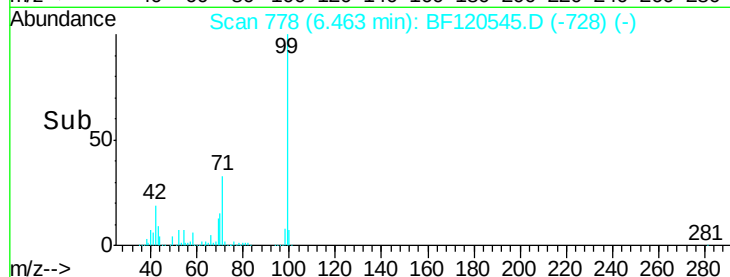
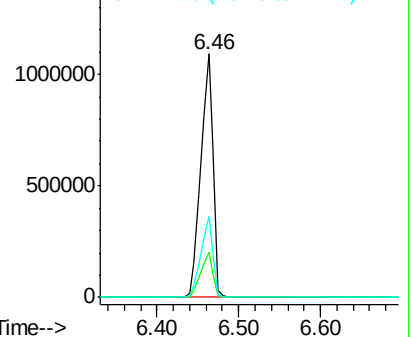
71 33.0 27.0 40.4

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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: 8.11 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF120545.D

Acq: 4 Jun 2020 20:41

Tgt Ion: 136 Resp: 666160

Ion Ratio Lower Upper

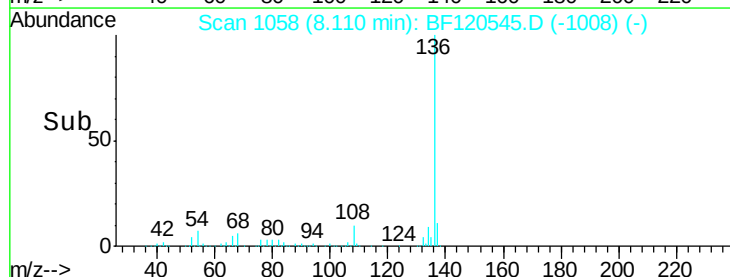
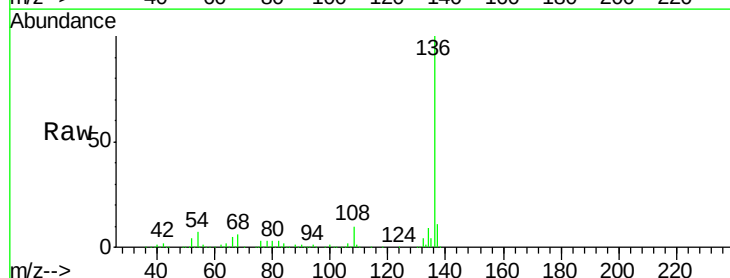
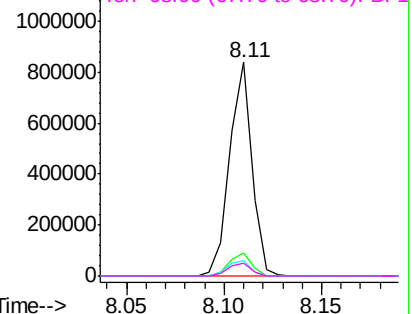
136 100

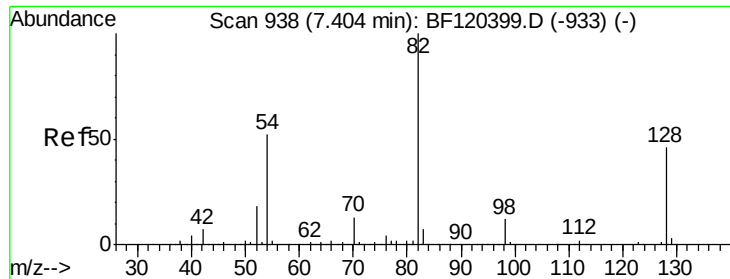
137 11.0 8.8 13.2

54 7.4 5.4 8.0

68 5.8 4.3 6.5

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





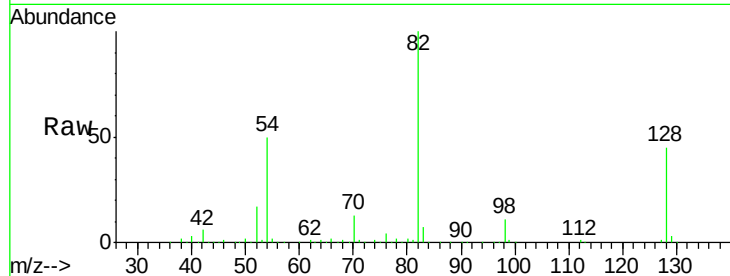
#23
Nitrobenzene-d5
Concen: 76.932 ng
RT: 7.39 min Scan# 935
Delta R.T. -0.01 min
Lab File: BF120545.D
Acq: 4 Jun 2020 20:41

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

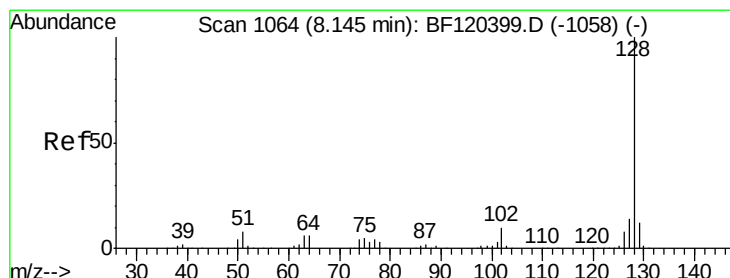
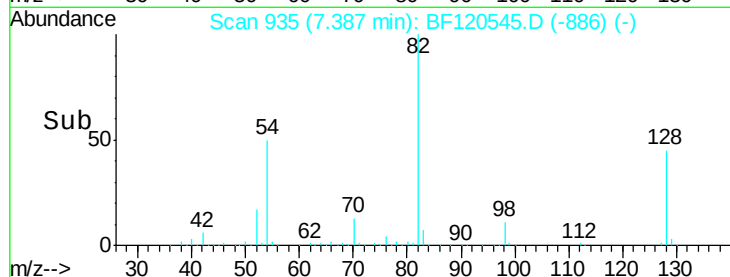
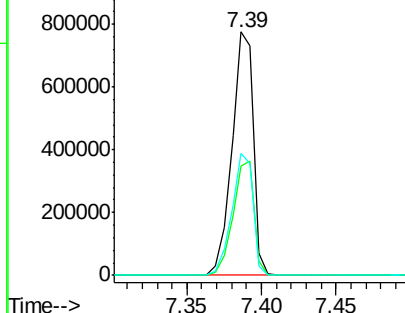
Tot Ion	82	Resp	783466
Ion Ratio	100	Lower	Upper
82	100		
128	44.9	36.7	55.1
54	50.0	40.0	60.0

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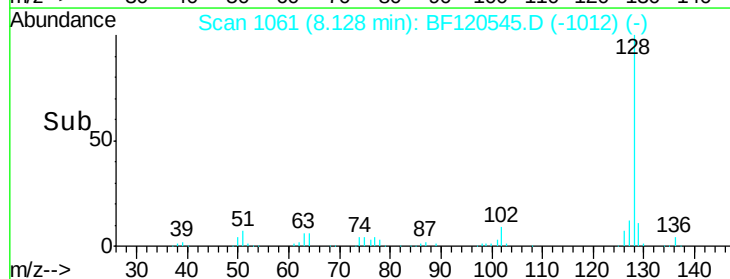
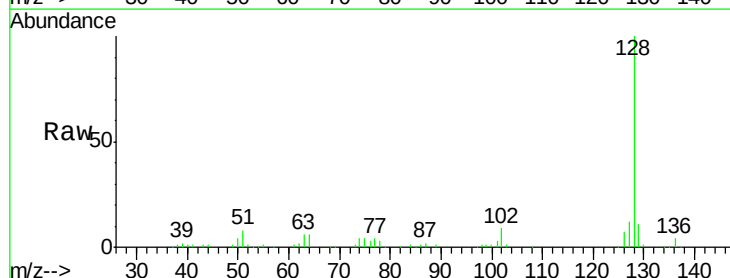
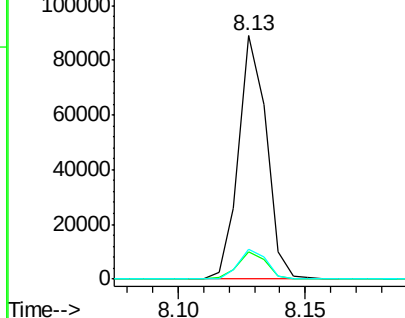
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

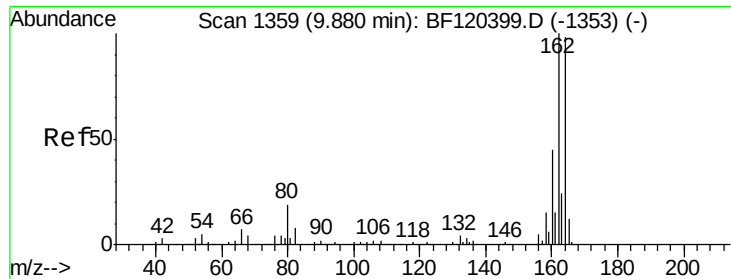


#31
Naphthalene
Concen: 2.320 ng
RT: 8.13 min Scan# 1061
Delta R.T. -0.01 min
Lab File: BF120545.D
Acq: 4 Jun 2020 20:41

Tgt Ion	128	Resp	67887
Ion Ratio	100	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	12.3	10.8	16.2

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





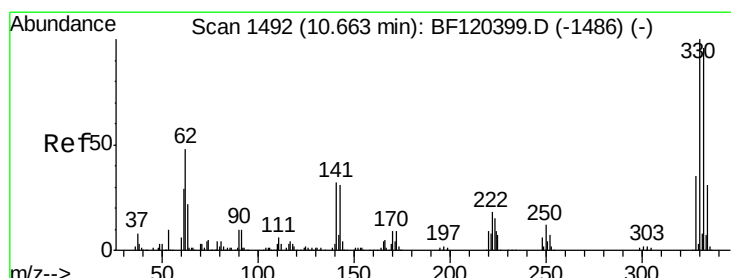
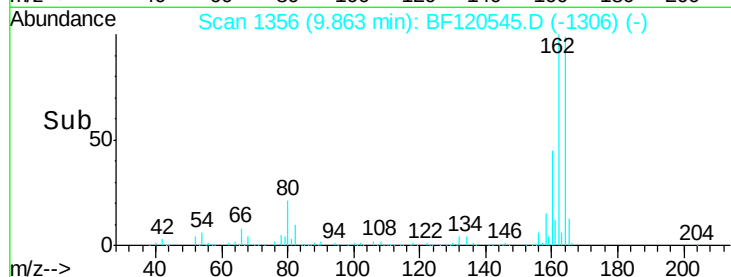
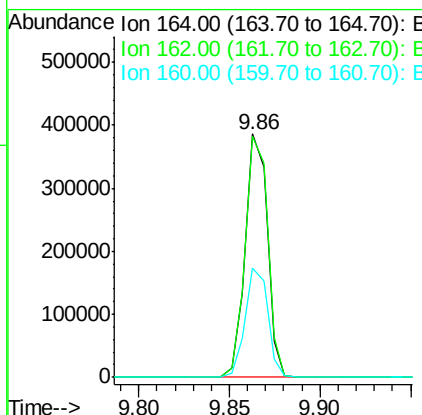
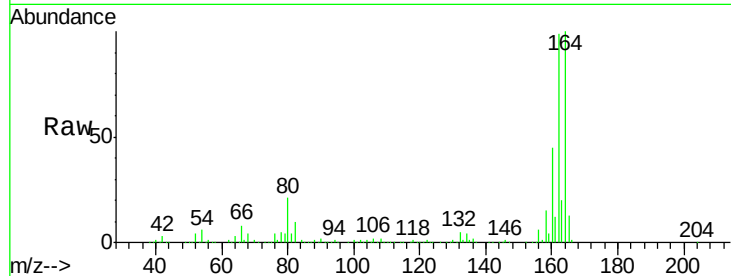
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1356
Delta R.T. -0.01 min
Lab File: BF120545.D
Acq: 4 Jun 2020 20:41

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

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.2	81.2	121.8	
160	45.0	37.0	55.4	

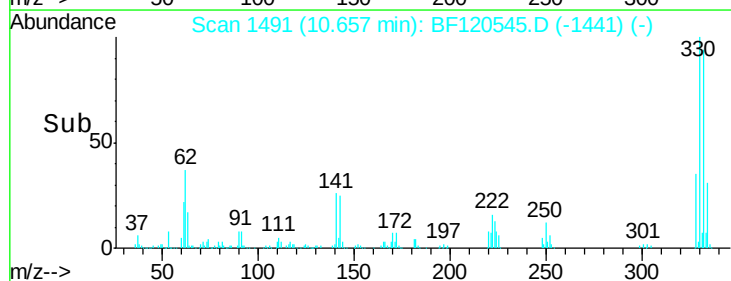
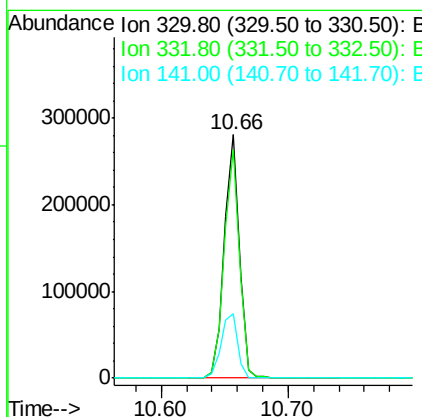
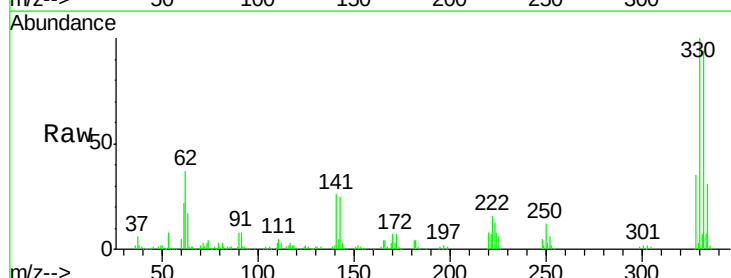
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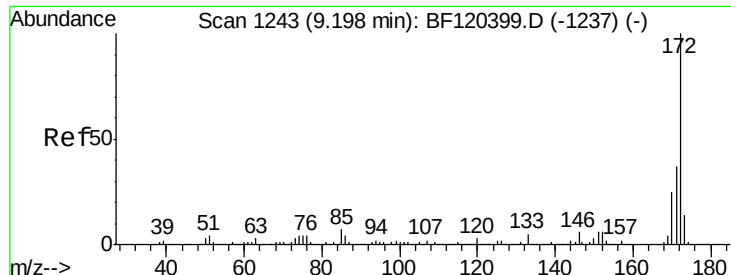
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#42
2,4,6-Tribromophenol
Concen: 76.911 ng
RT: 10.66 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BF120545.D
Acq: 4 Jun 2020 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.7	77.0	115.4	
141	29.5	23.8	35.8	





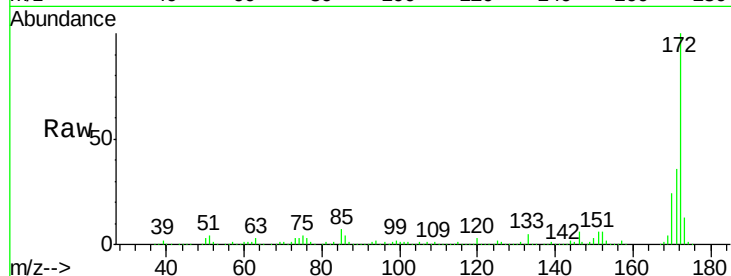
#45
2-Fluorobiphenyl
Concen: 71.016 ng
RT: 9.19 min Scan# 1241
Delta R.T. -0.01 min
Lab File: BF120545.D
Acq: 4 Jun 2020 20:41

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.5	44.3
170	24.1	19.8	29.6

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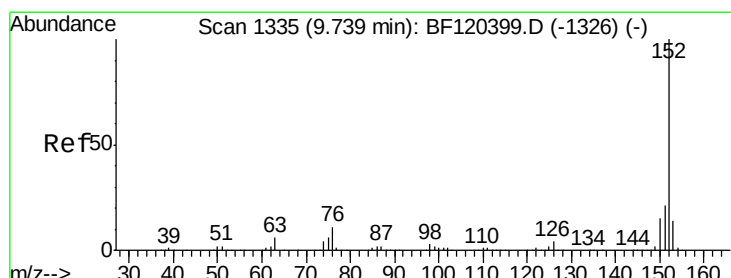
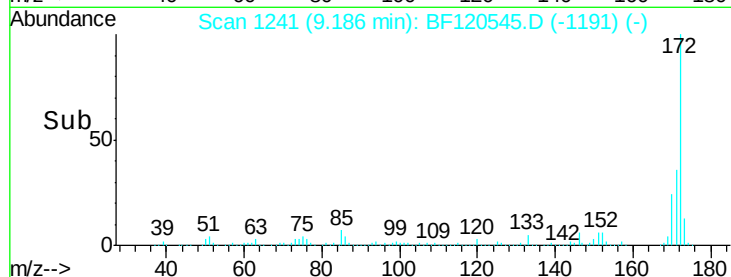
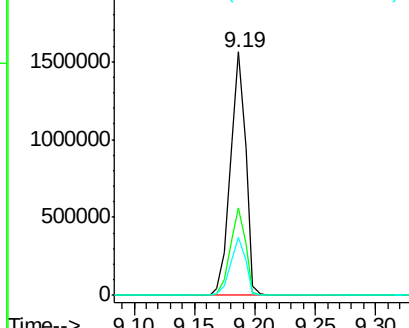


Abundance

Ion 172.00 (171.70 to 172.70): E

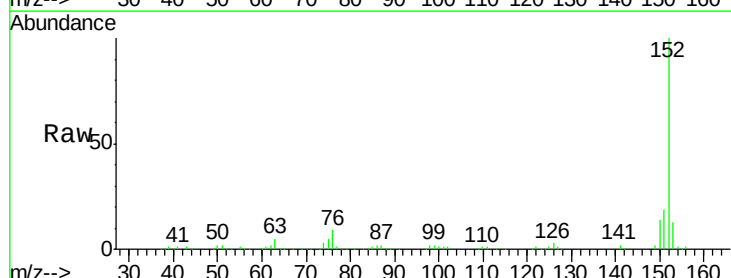
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Acenaphthylene
Concen: 4.969 ng
RT: 9.73 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF120545.D
Acq: 4 Jun 2020 20:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.7	25.1
153	12.7	11.0	16.4

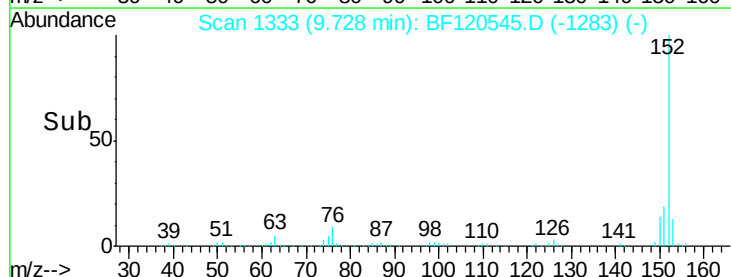
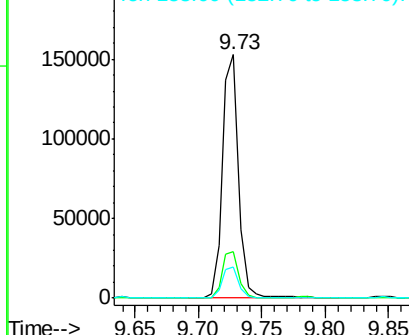


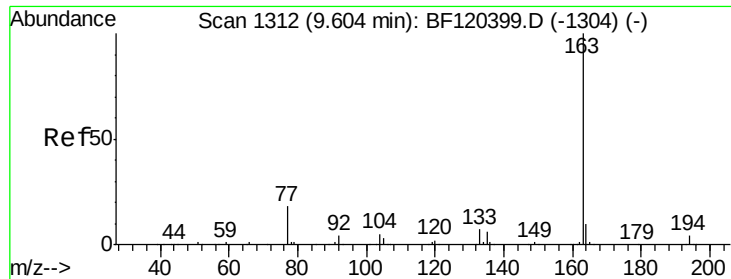
Abundance

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





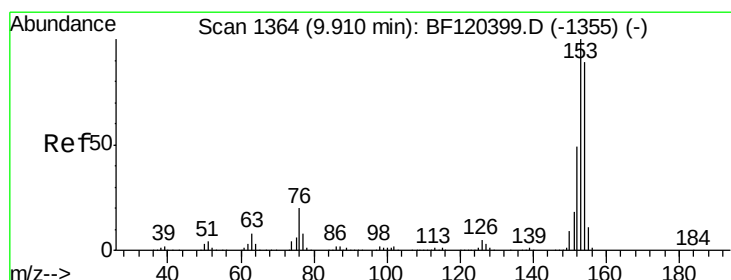
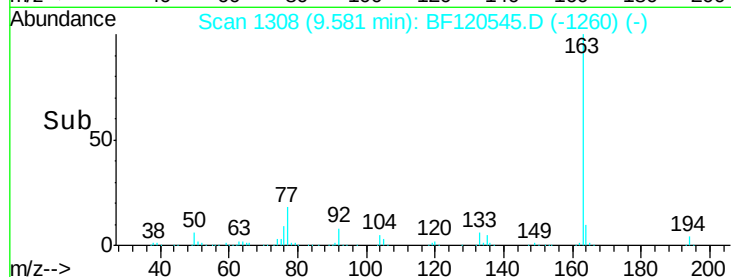
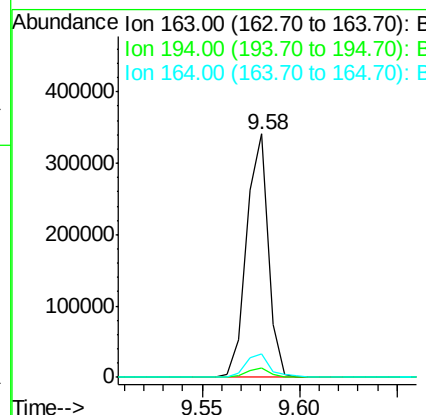
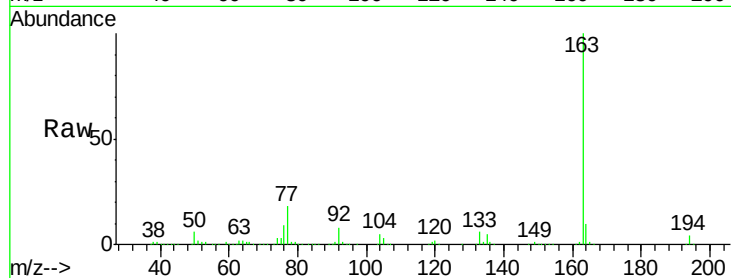
#50
Dimethylphthalate
Concen: 12.724 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120545.D
Acq: 4 Jun 2020 20:41

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100	261582		
194	3.7		3.1	4.7
164	9.8		8.0	12.0

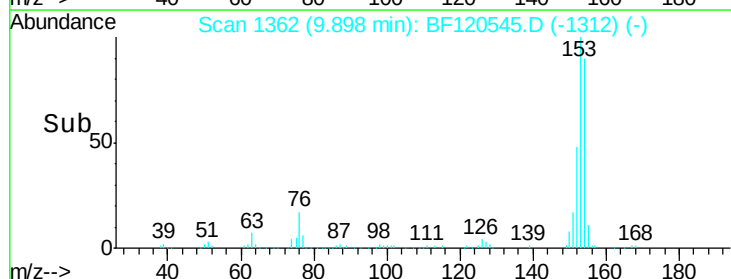
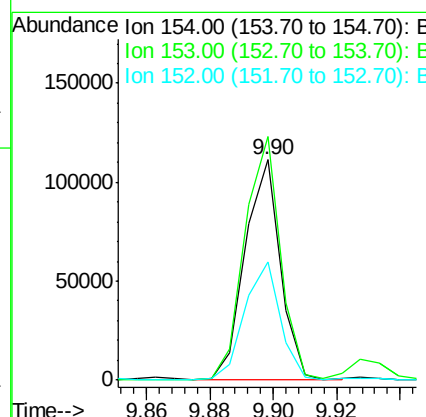
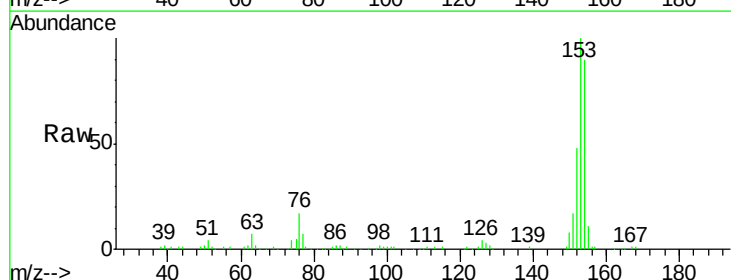
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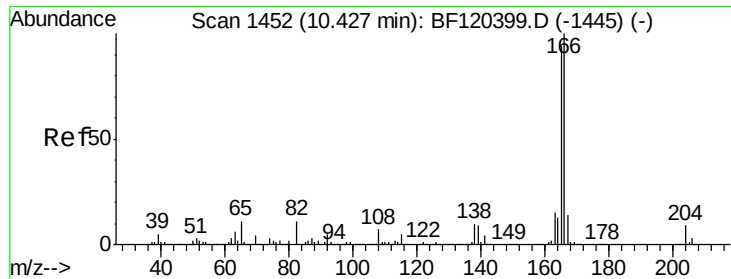
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#52
Acenaphthene
Concen: 4.935 ng
RT: 9.90 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF120545.D
Acq: 4 Jun 2020 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	84656		
153	110.5		90.1	135.1
152	53.5		43.7	65.5





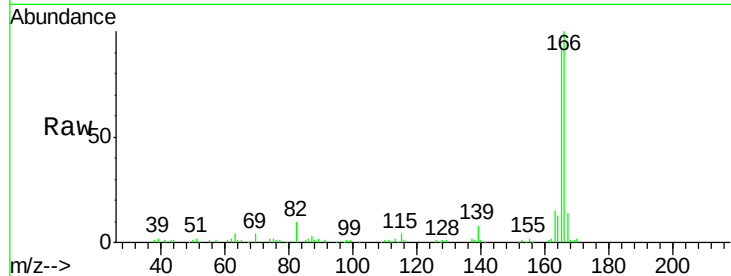
#58
 Fluorene
 Concen: 3.528 ng
 RT: 10.41 min Scan# 1449
 Delta R.T. -0.01 min
 Lab File: BF120545.D
 Acq: 4 Jun 2020 20:41

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		66012		
165	91.5	75.6	113.4		
167	13.7	10.9	16.3		

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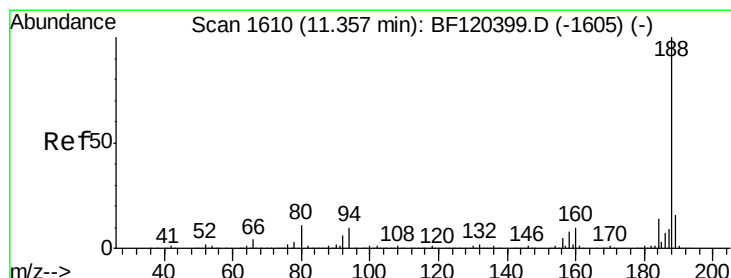
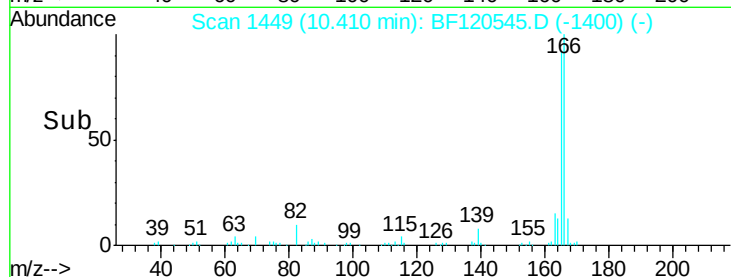
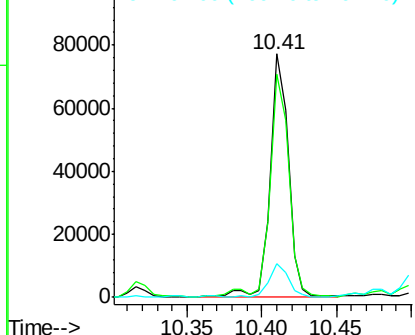


Abundance

Ion 166.00 (165.70 to 166.70): E

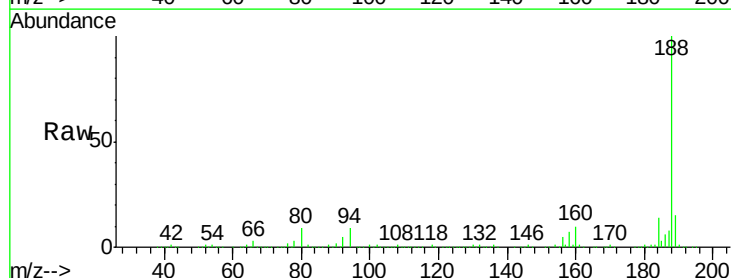
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1609
 Delta R.T. -0.01 min
 Lab File: BF120545.D
 Acq: 4 Jun 2020 20:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		396338		
94	8.9	7.4	11.2		
80	9.3	7.6	11.4		

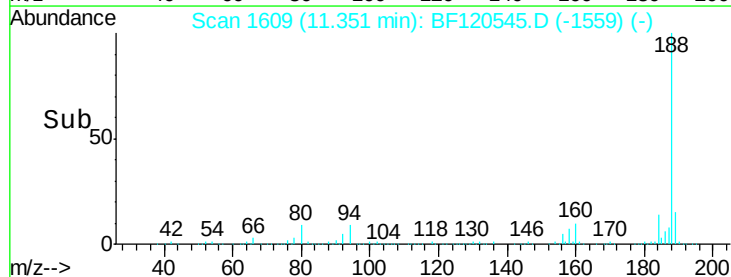
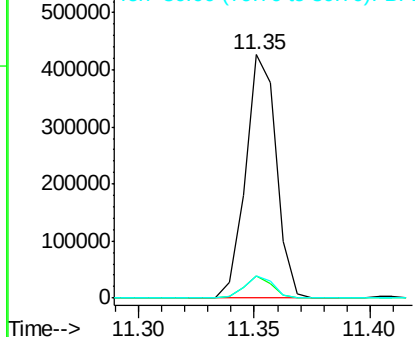


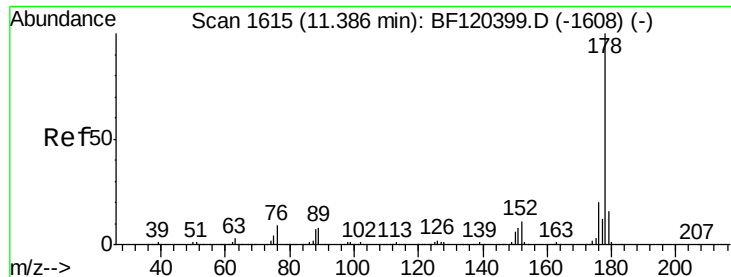
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 43.940 ng

RT: 11.38 min Scan# 1614

Delta R.T. 0.00 min

Lab File: BF120545.D

Acq: 4 Jun 2020 20:41

Instrument :

BNA_F

ClientSampleId :

NM13-COMP-2020-0-6RE

Tot Ion:178 Resp: 767367

Ion Ratio Lower Upper

178 100

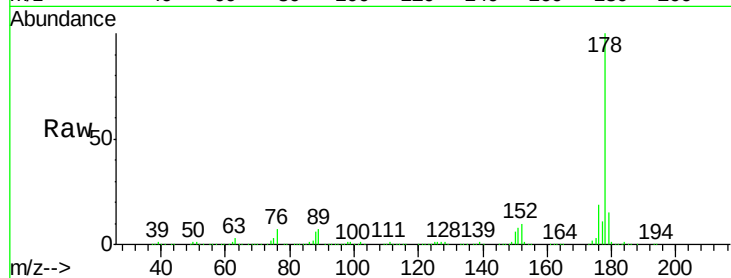
176 19.2 16.2 24.2

179 15.3 12.8 19.2

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mohammad

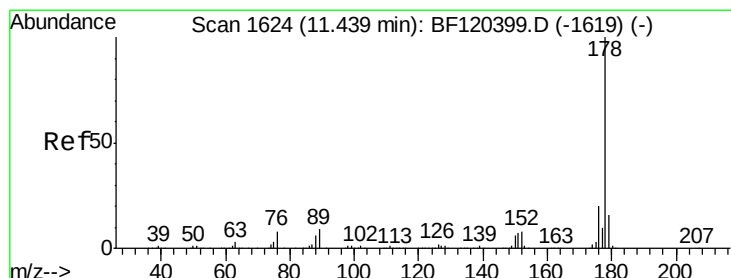
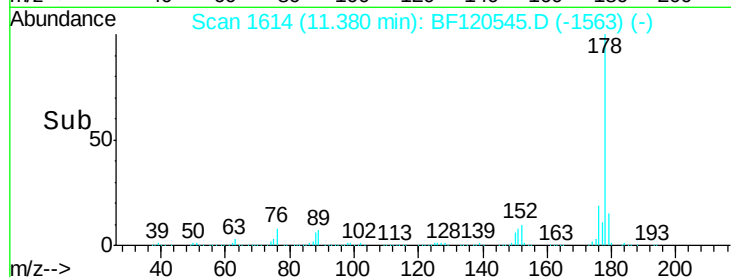
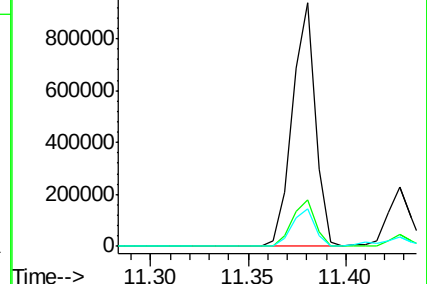
6/5/2020 11:58:01 AM



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



#72

Anthracene

Concen: 10.032 ng

RT: 11.43 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BF120545.D

Acq: 4 Jun 2020 20:41

Tgt Ion:178 Resp: 175786

Ion Ratio Lower Upper

178 100

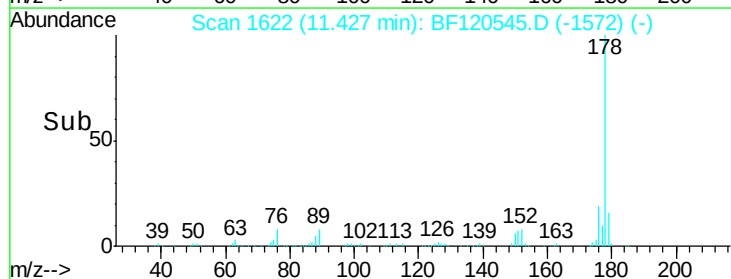
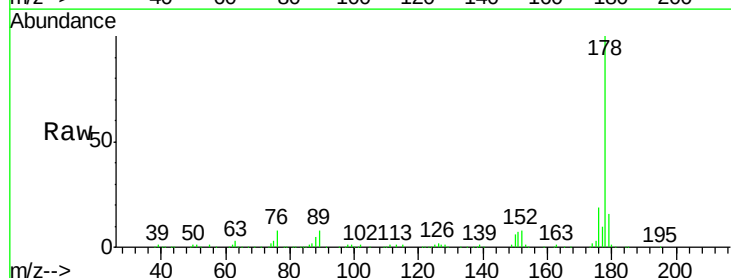
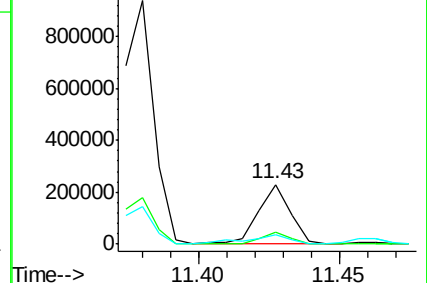
176 19.2 15.8 23.6

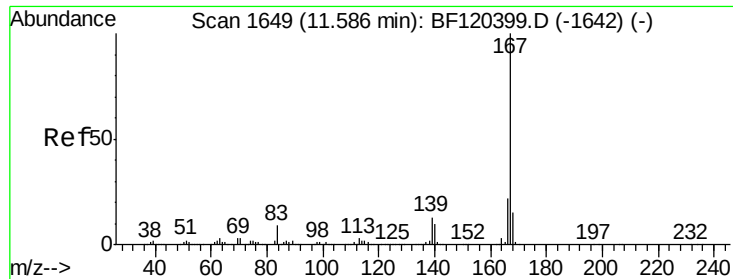
179 15.5 12.9 19.3

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





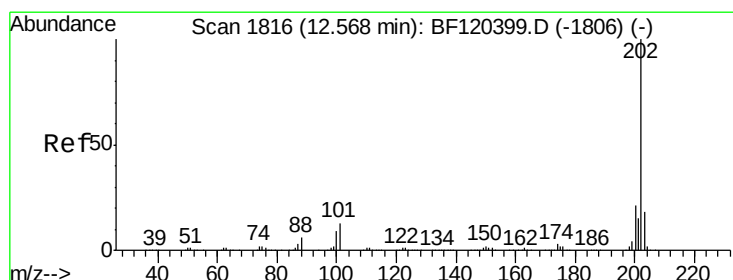
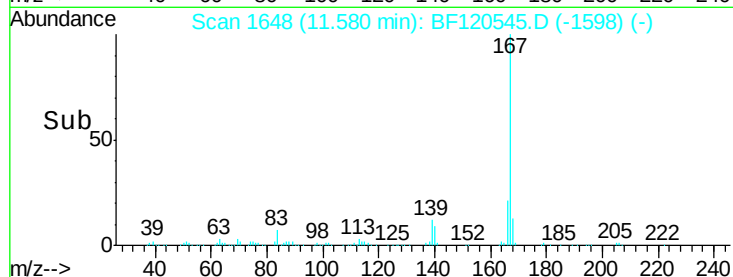
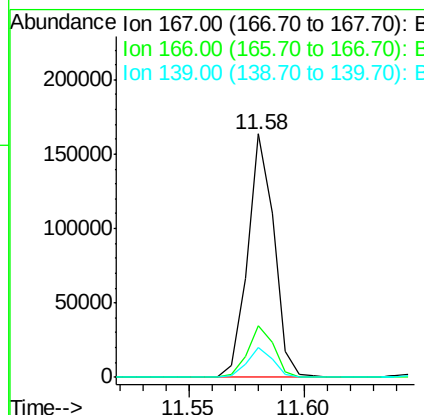
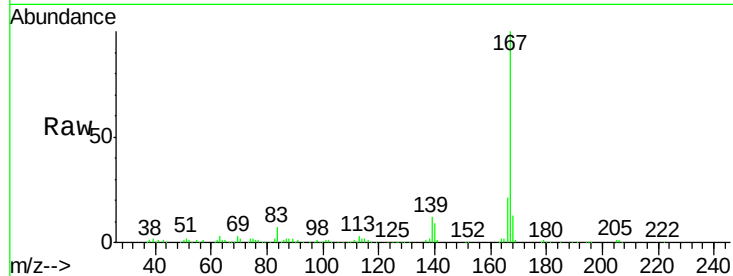
#73
 Carbazole
 Concen: 7.688 ng
 RT: 11.58 min Scan# 1648
 Delta R.T. -0.01 min
 Lab File: BF120545.D
 Acq: 4 Jun 2020 20:41

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

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.4	26.0
139	12.4	10.3	15.5

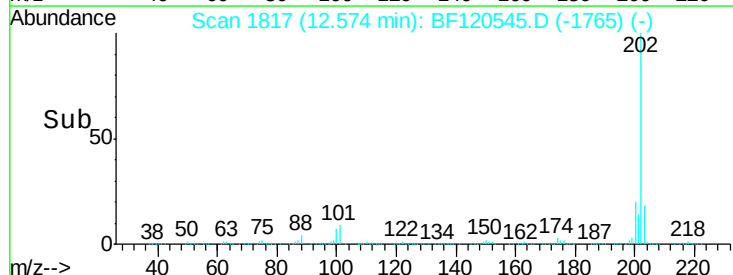
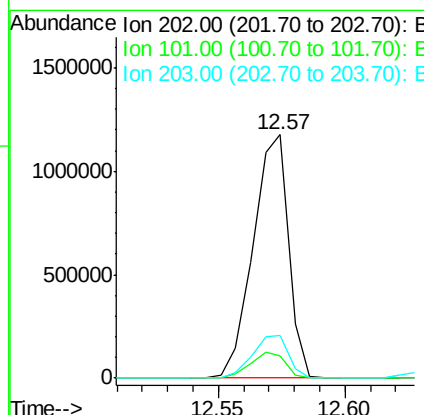
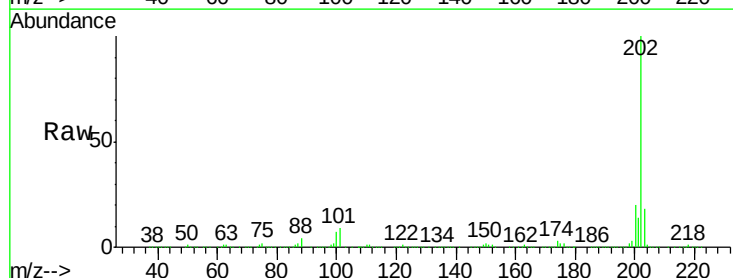
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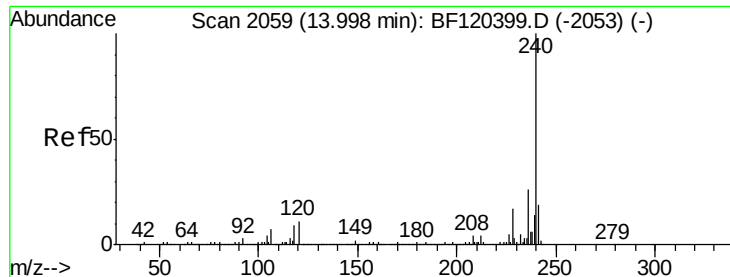
mohammad
 6/5/2020 11:58:01 AM



#75
 Fluoranthene
 Concen: 61.077 ng
 RT: 12.57 min Scan# 1817
 Delta R.T. 0.01 min
 Lab File: BF120545.D
 Acq: 4 Jun 2020 20:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	31.3
203	17.6	0.0	38.4





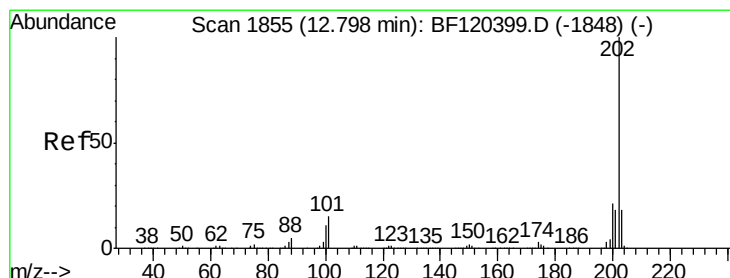
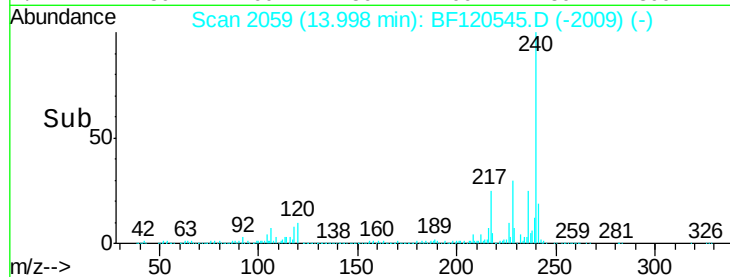
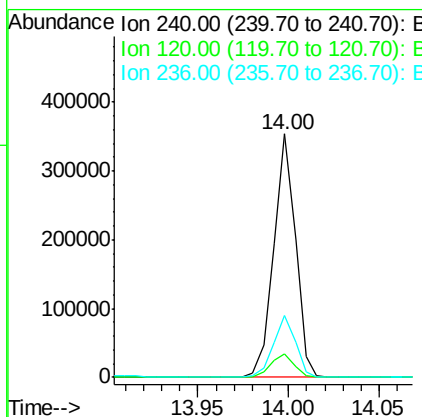
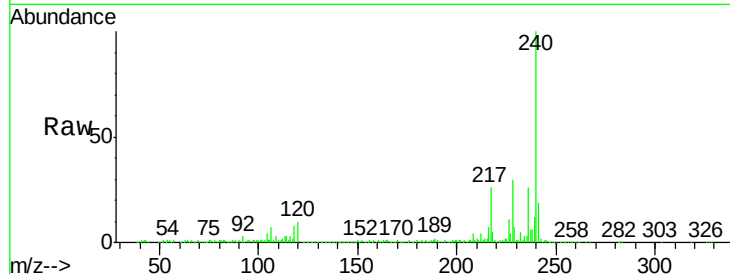
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BF120545.D
Acq: 4 Jun 2020 20:41

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

Tot Ion	Ratio	Resp	Lower	Upper
240	100	295152		
120	9.9	7.7	11.5	
236	25.5	20.8	31.2	

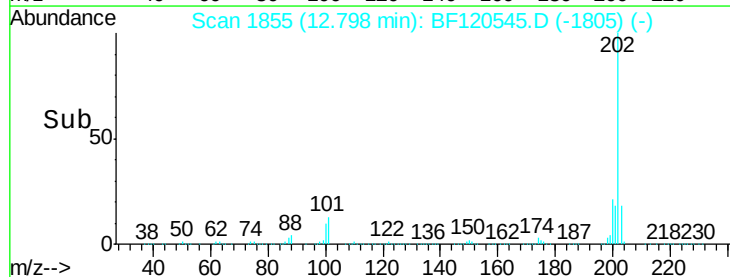
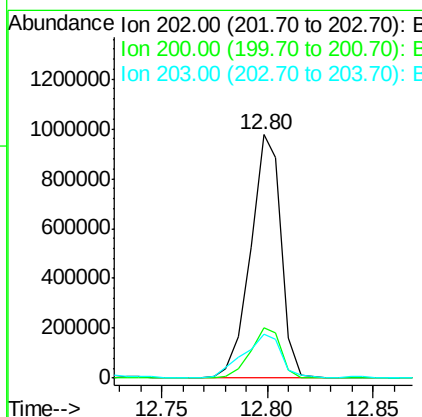
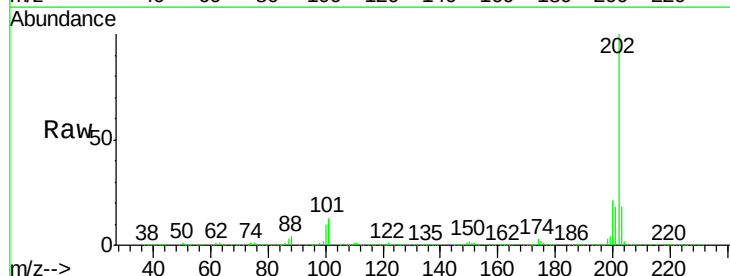
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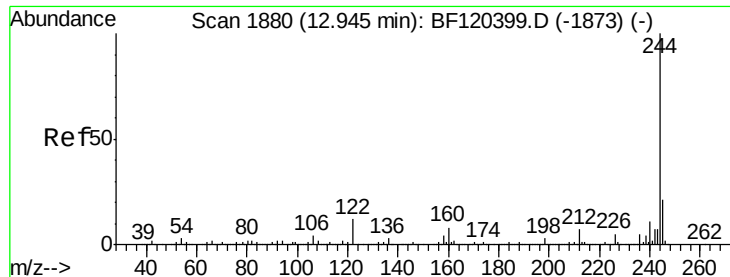
mohammad
6/5/2020 11:58:01 AM



#78
Pyrene
Concen: 47.755 ng
RT: 12.80 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF120545.D
Acq: 4 Jun 2020 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	980225		
200	20.6	17.0	25.6	
203	18.0	14.2	21.2	





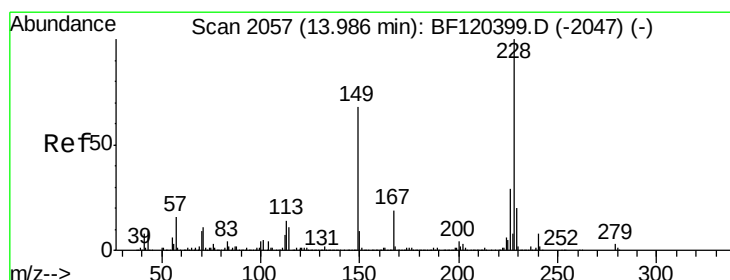
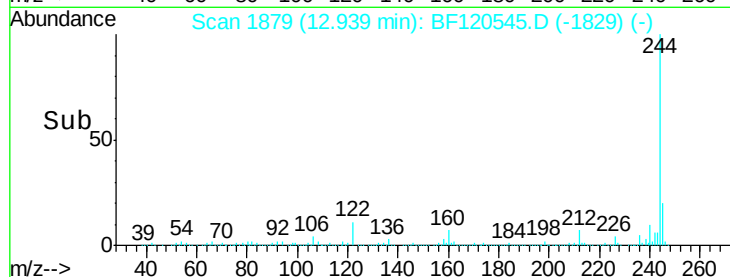
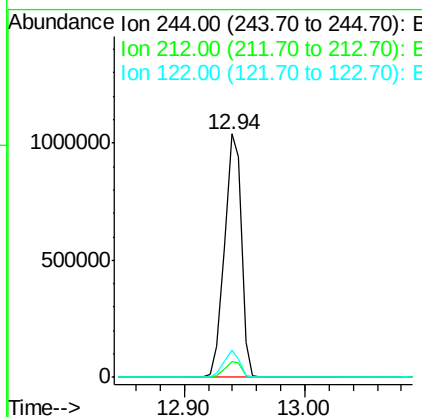
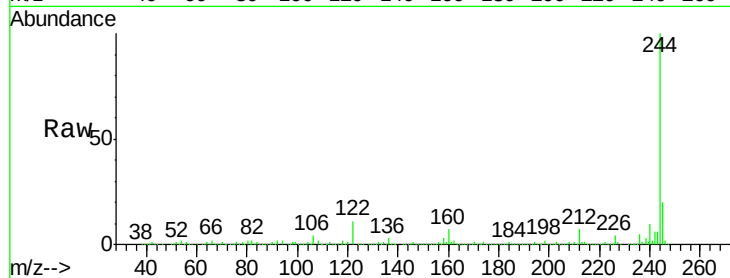
#79
 Terphenyl-d14
 Concen: 75.405 ng
 RT: 12.94 min Scan# 1879
 Delta R.T. -0.01 min
 Lab File: BF120545.D
 Acq: 4 Jun 2020 20:41

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

Tot Ion:244 Resp: 1000160
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 11.2 8.0 12.0

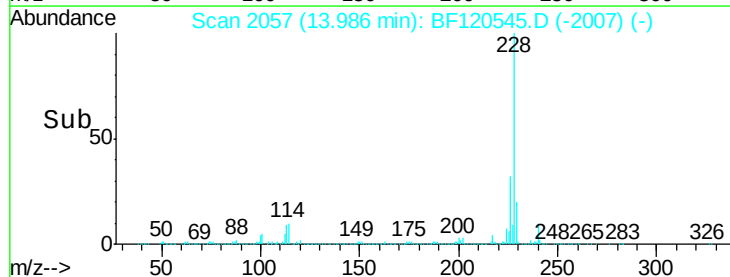
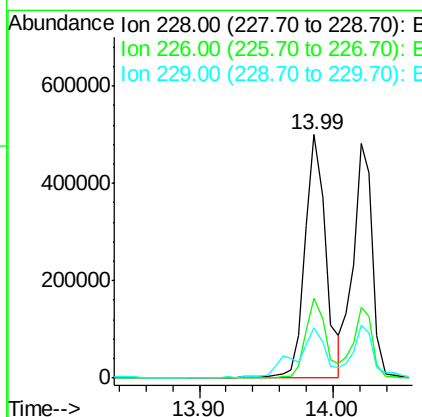
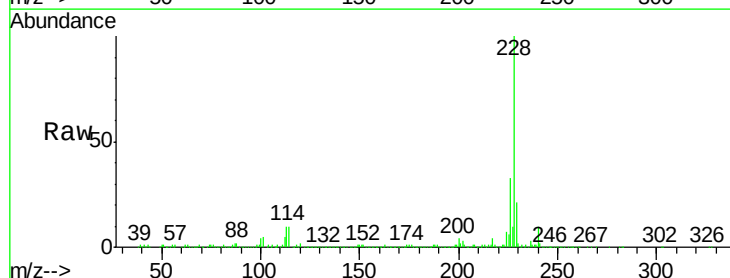
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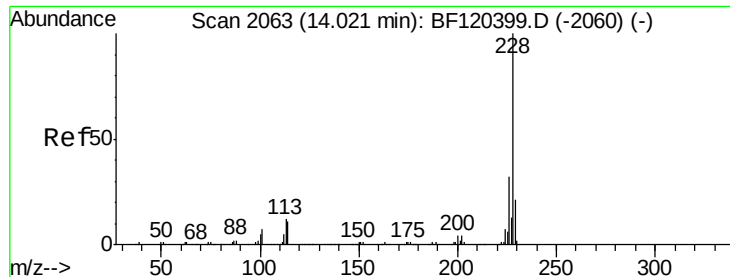
mohammad
 6/5/2020 11:58:01 AM



#81
 Benzo(a)anthracene
 Concen: 33.648 ng
 RT: 13.99 min Scan# 2057
 Delta R.T. -0.01 min
 Lab File: BF120545.D
 Acq: 4 Jun 2020 20:41

Tgt Ion:228 Resp: 532263
 Ion Ratio Lower Upper
 228 100
 226 32.7 22.4 33.6
 229 20.6 16.2 24.2





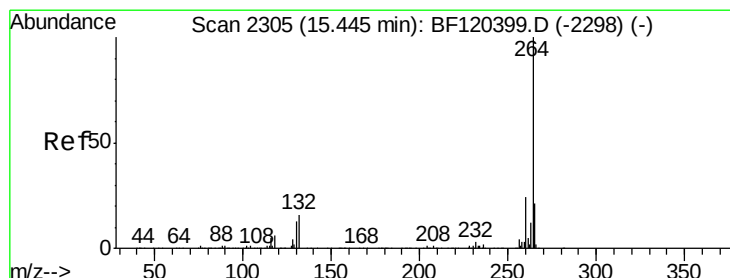
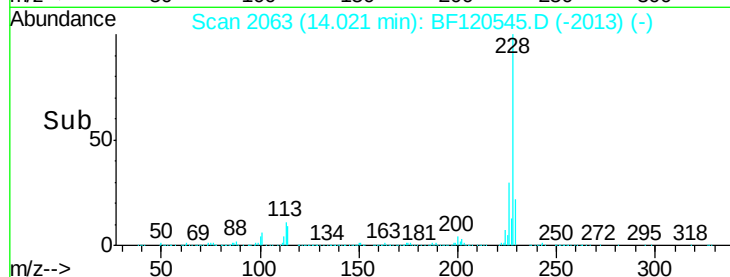
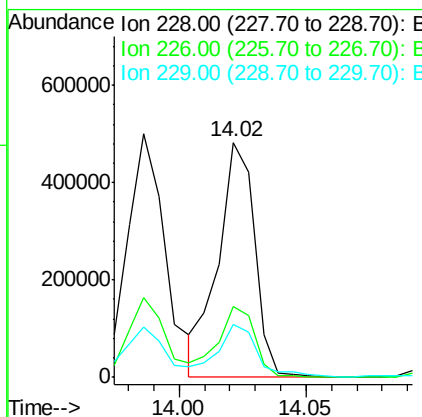
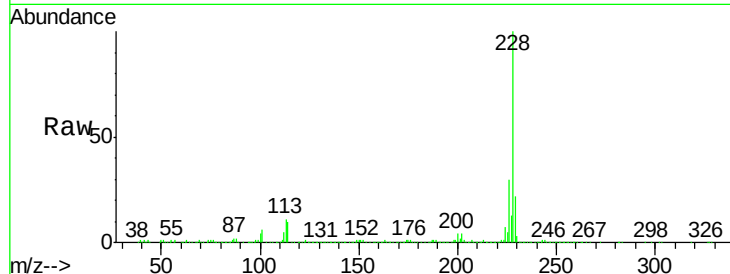
#83
Chrysene
Concen: 29.037 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.01 min
Lab File: BF120545.D
Acq: 4 Jun 2020 20:41

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.6	38.4
229	22.4	16.2	24.2

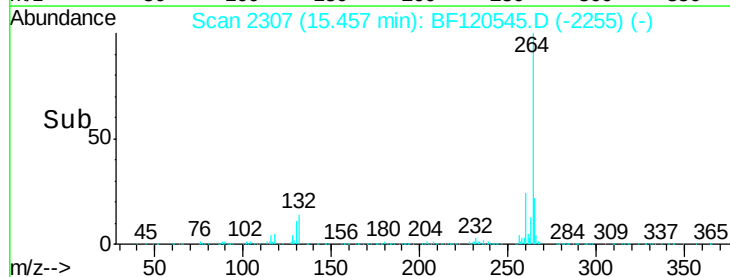
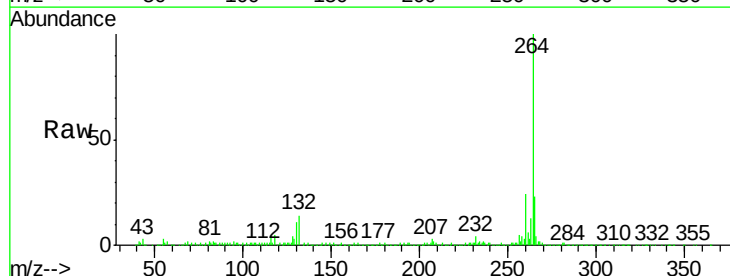
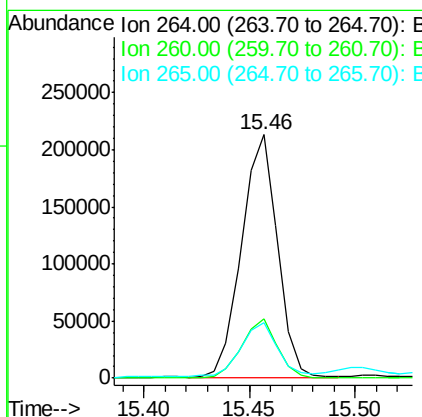
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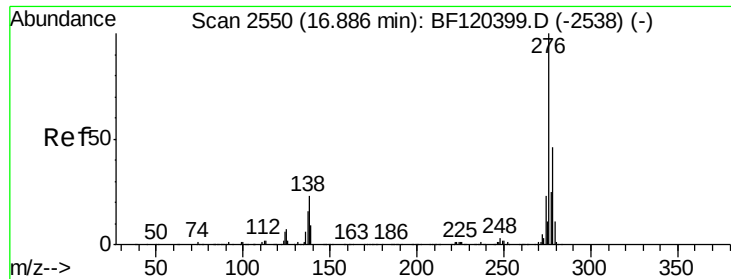
mohammad
6/5/2020 11:58:01 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BF120545.D
Acq: 4 Jun 2020 20:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.8	17.5	26.3





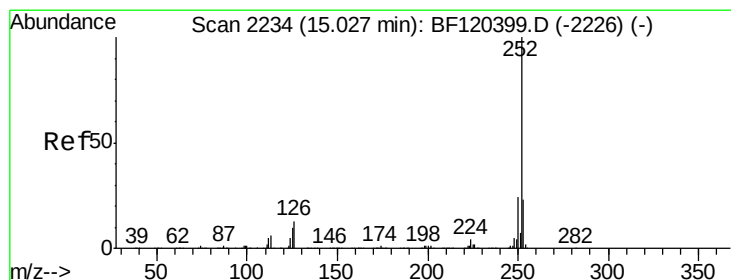
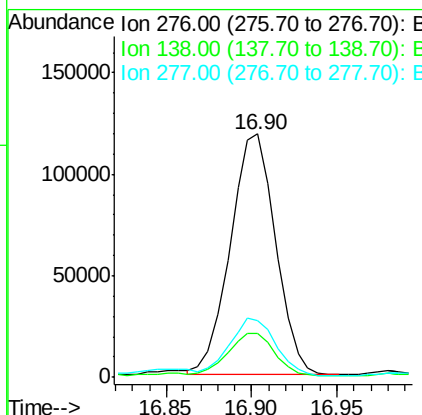
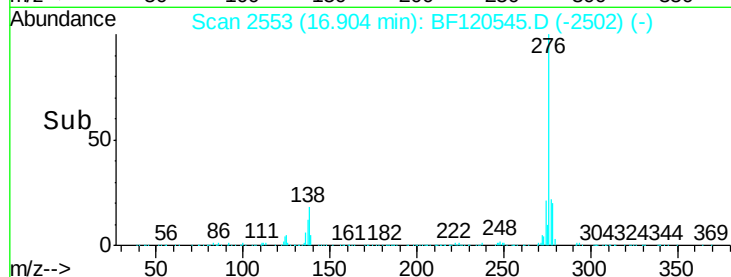
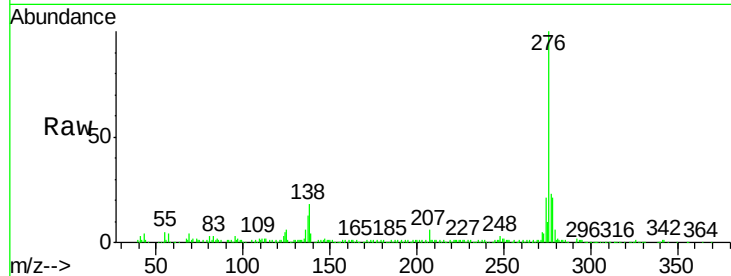
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 16.063 ng m
 RT: 16.90 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: BF120545.D
 Acq: 4 Jun 2020 20:41

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.1	19.2	28.8#
277	4.8	20.3	30.5#

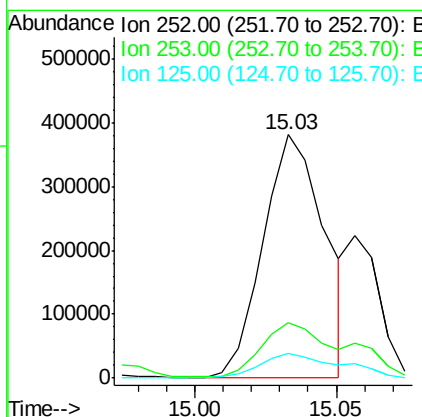
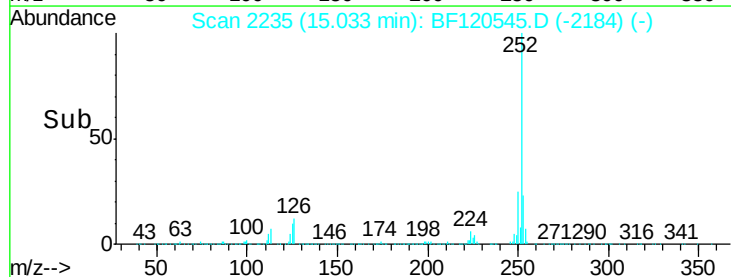
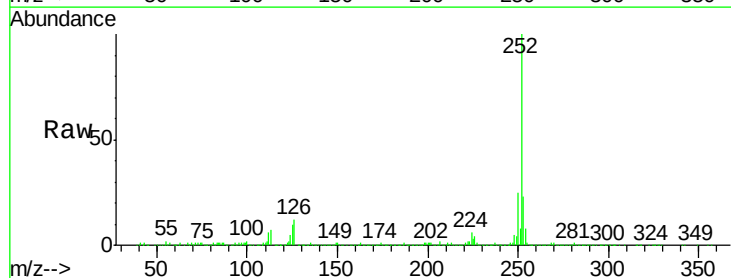
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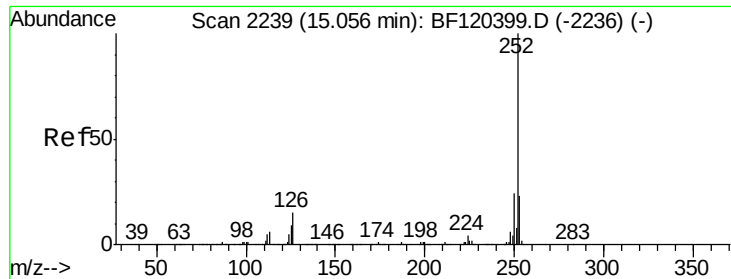
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 41.389 ng m
 RT: 15.03 min Scan# 2235
 Delta R.T. 0.00 min
 Lab File: BF120545.D
 Acq: 4 Jun 2020 20:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	10.0	8.3	12.5





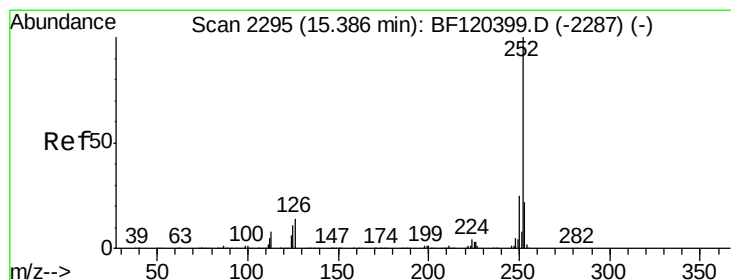
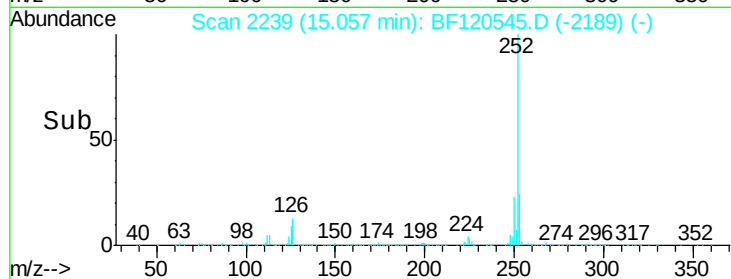
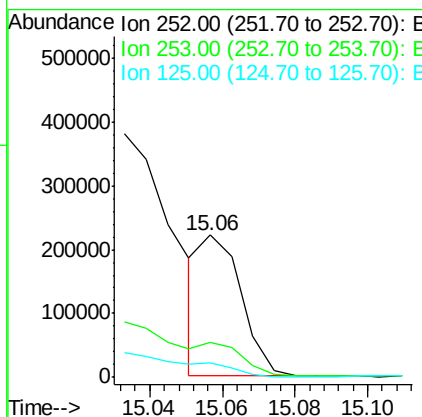
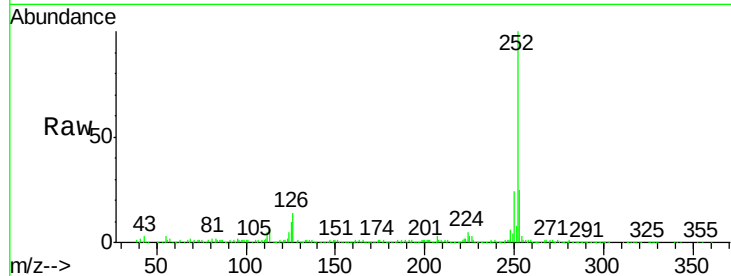
#89
Benzo(k)fluoranthene
Concen: 13.091 ng m
RT: 15.06 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF120545.D
Acq: 4 Jun 2020 20:41

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.4	27.6
125	9.8	8.6	13.0

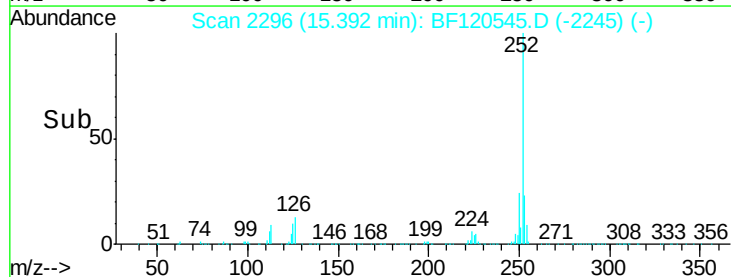
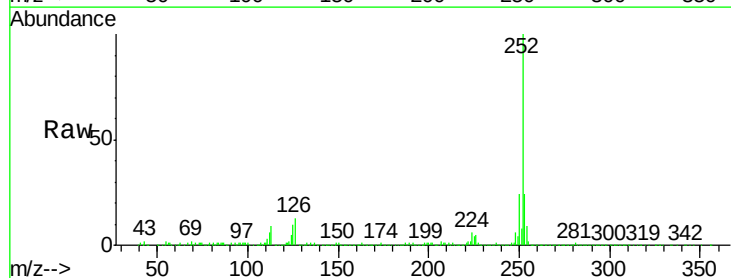
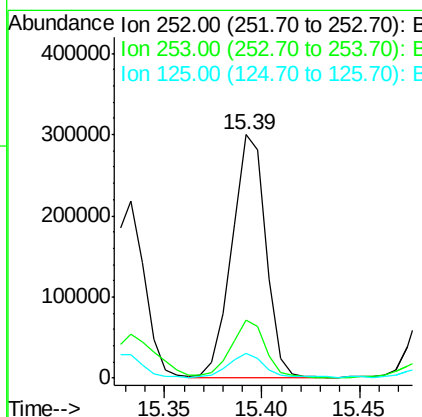
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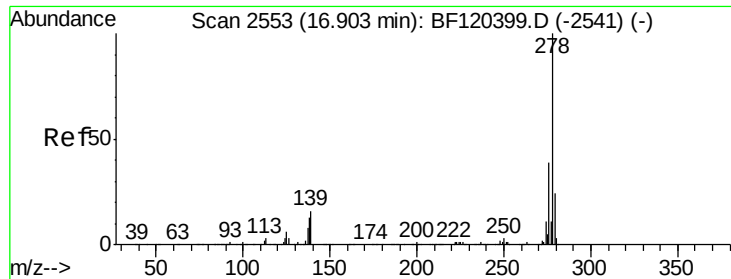
mohammad
6/5/2020 11:58:01 AM



#90
Benzo(a)pyrene
Concen: 29.364 ng
RT: 15.39 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF120545.D
Acq: 4 Jun 2020 20:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	10.3	9.6	14.4





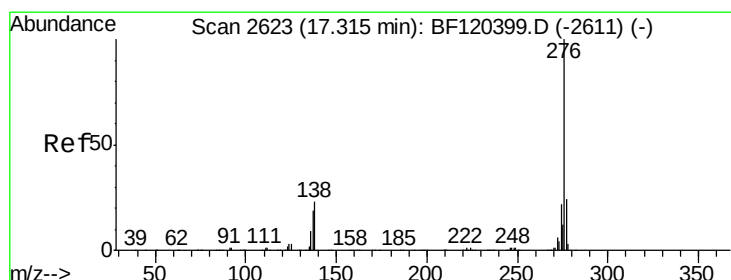
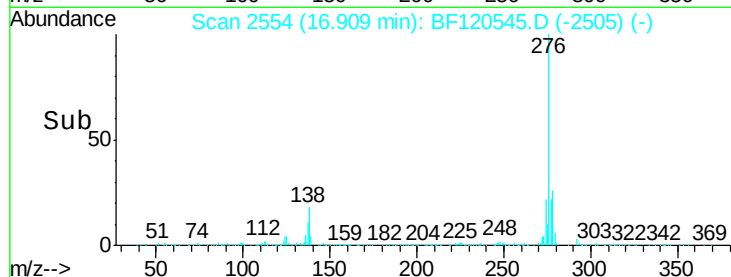
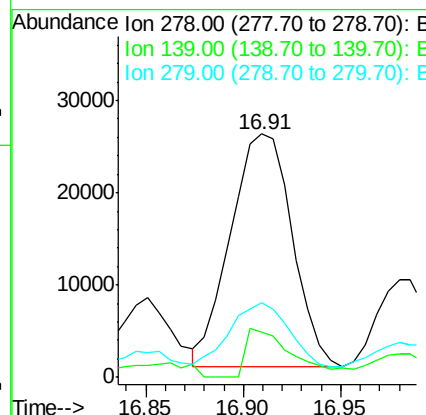
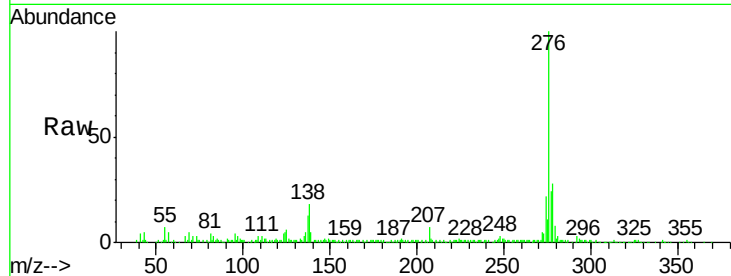
#91
Dibenzo(a,h)anthracene
Concen: 4.946 ng m
RT: 16.91 min Scan# 2554
Delta R.T. -0.01 min
Lab File: BF120545.D
Acq: 4 Jun 2020 20:41

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.8	12.4	18.6#
279	30.5	19.4	29.0#

Manual Integrations
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mohammad
6/5/2020 11:58:01 AM



#92
Benzo(g,h,i)perylene
Concen: 18.619 ng
RT: 17.34 min Scan# 2628
Delta R.T. 0.00 min
Lab File: BF120545.D
Acq: 4 Jun 2020 20:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.3	28.9
138	19.2	16.9	25.3

