

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120547.D
 Acq On : 4 Jun 2020 21:37
 Operator : JU/CG
 Sample : L2839-03RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM5-COMP-2020-0-6RE

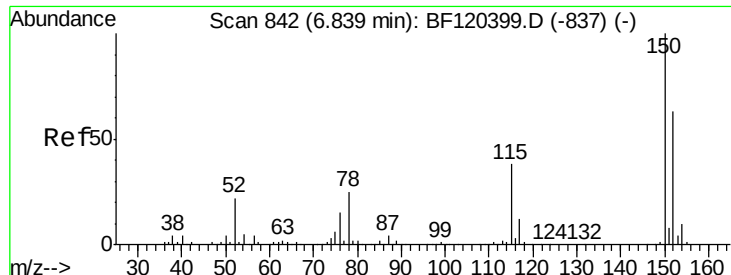
Manual Integrations
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mohammad
 6/5/2020 11:58:10 AM

Quant Time: Jun 05 04:30:02 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	185310	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	693375	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	298459	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	385519	20.00	ng	0.00
76) Chrysene-d12	13.99	240	293422	20.00	ng	-0.01
86) Perylene-d12	15.45	264	237852	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	977234	100.50	ng	0.00
7) Phenol-d6	6.46	99	1162836	97.02	ng	0.00
23) Nitrobenzene-d5	7.39	82	762481	71.93	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	304416	110.08	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1381958	78.56	ng	0.00
79) Terphenyl-d14	12.94	244	1034677	78.47	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.58	163	205030	10.988	ng	Qvalue 100
71) Phenanthrene	11.37	178	206002	12.127	ng	98
72) Anthracene	11.43	178	56937	3.341	ng	97
75) Fluoranthene	12.57	202	418274	22.884	ng	97
78) Pyrene	12.80	202	378789	18.563	ng	98
81) Benzo(a)anthracene	13.99	228	212547	13.516	ng	98
83) Chrysene	14.02	228	194657	11.807	ng	95
84) Bis(2-ethylhexyl)phthalate	13.97	149	21018	2.102	ng	100
87) Indeno(1,2,3-cd)pyrene	16.90	276	92925	7.143	ng	95
88) Benzo(b)fluoranthene	15.03	252	219544m	16.618	ng	
89) Benzo(k)fluoranthene	15.06	252	77024m	6.245	ng	
90) Benzo(a)pyrene	15.39	252	148487	12.850	ng	98
91) Dibenzo(a,h)anthracene	16.90	278	23931	2.256	ng	# 88
92) Benzo(a,h,i)perylene	17.33	276	118768	11.354	ng	98

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



#1

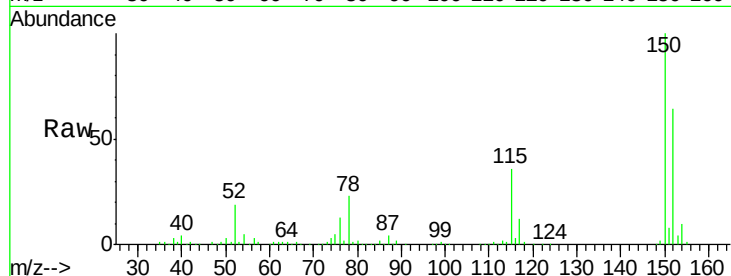
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

Instrument :
BNA_F
ClientSampleId :
NM5-COMP-2020-0-6RE

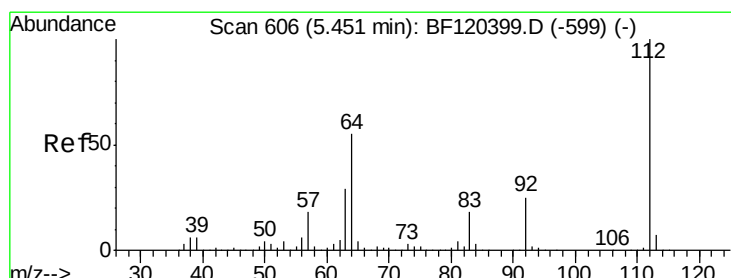
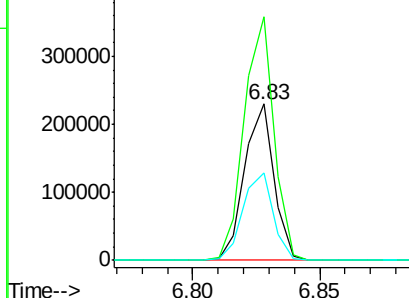
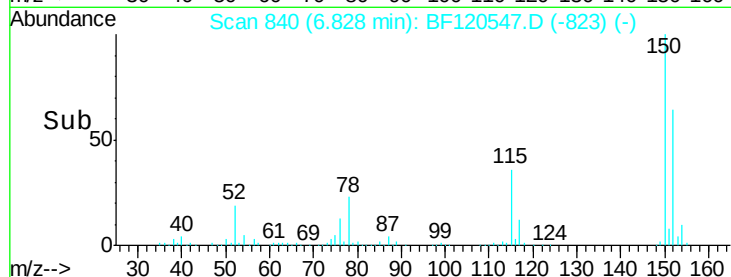
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.3	189.5
115	55.8	48.1	72.1

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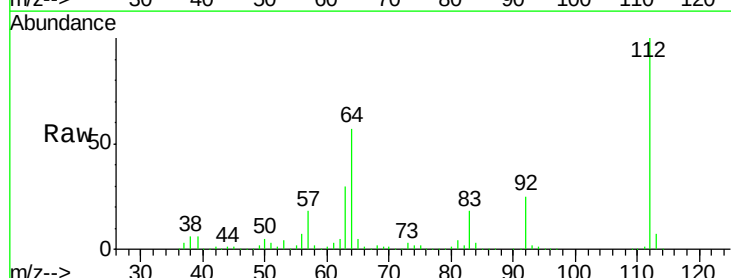
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



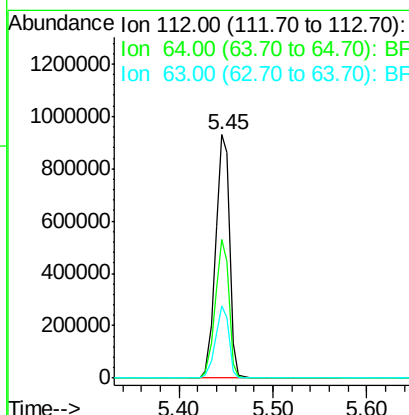
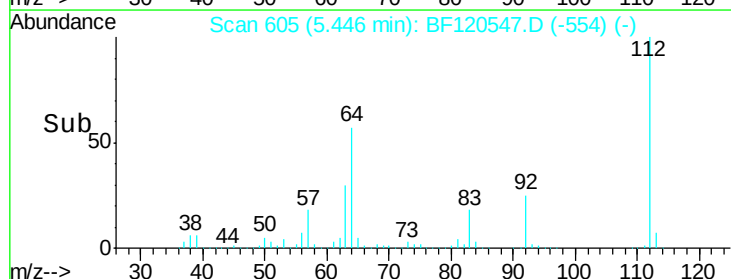
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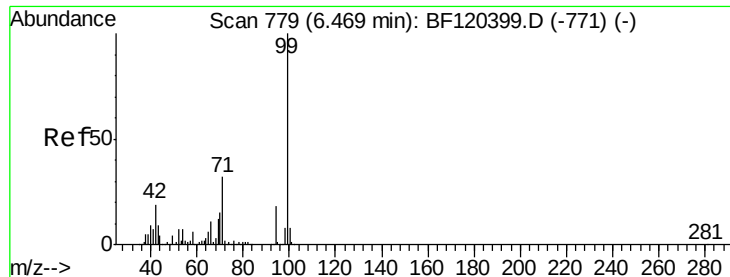
2-Fluorophenol
Concen: 100.500 ng
RT: 5.45 min Scan# 605
Delta R.T. 0.00 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.2	70.8
63	29.6	24.7	37.1



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: 97.023 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120547.D

Acq: 4 Jun 2020 21:37

Instrument :

BNA_F

ClientSampleId :

NM5-COMP-2020-0-6RE

Tot Ion: 99 Resp: 1162836

Ion Ratio Lower Upper

99 100

42 18.3 15.0 22.6

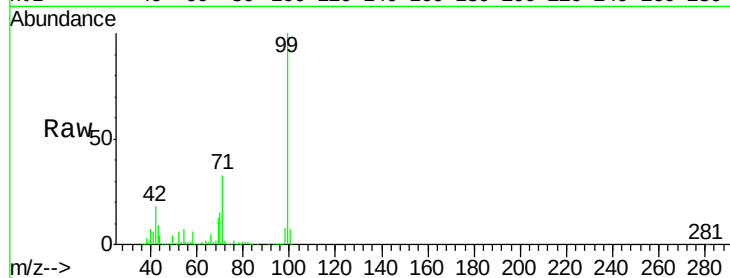
71 32.8 27.0 40.4

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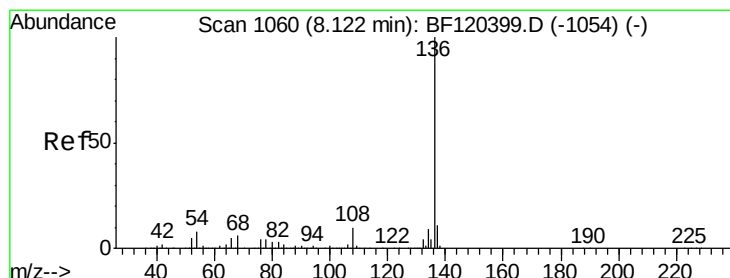
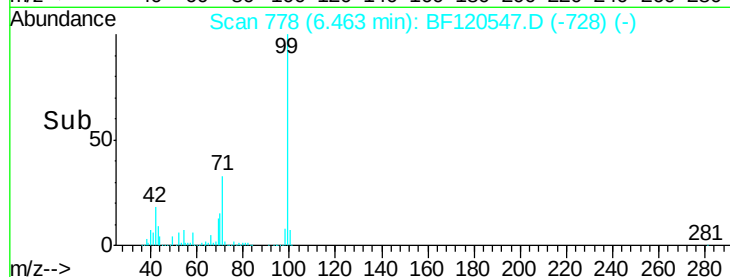
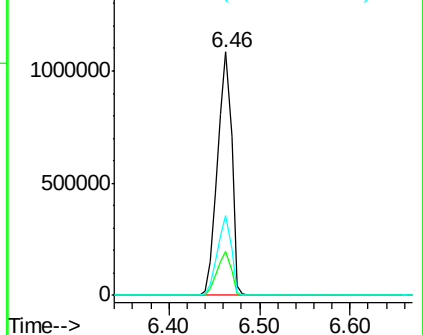
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: BF120547.D

Acq: 4 Jun 2020 21:37

Tgt Ion: 136 Resp: 693375

Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 7.3 5.4 8.0

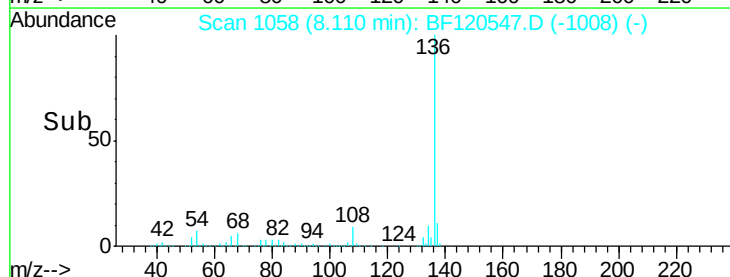
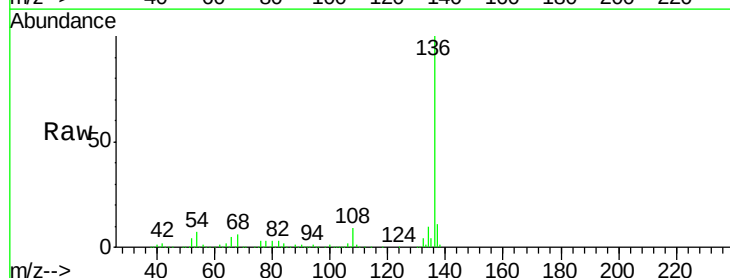
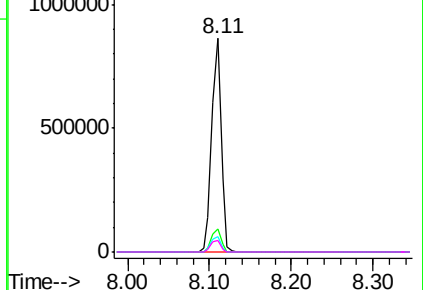
68 5.5 4.3 6.5

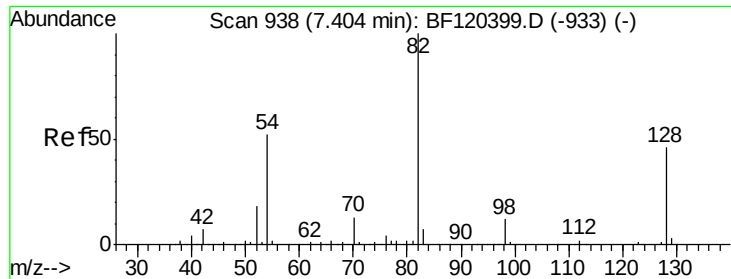
Abundance Ion 136.00 (135.70 to 136.70): E

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





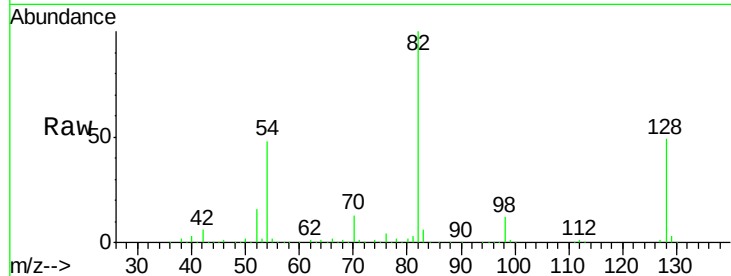
#23
 Nitrobenzene-d5
 Concen: 71.933 ng
 RT: 7.39 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: BF120547.D
 Acq: 4 Jun 2020 21:37

Instrument :
 BNA_F
 ClientSampleId :
 NM5-COMP-2020-0-6RE

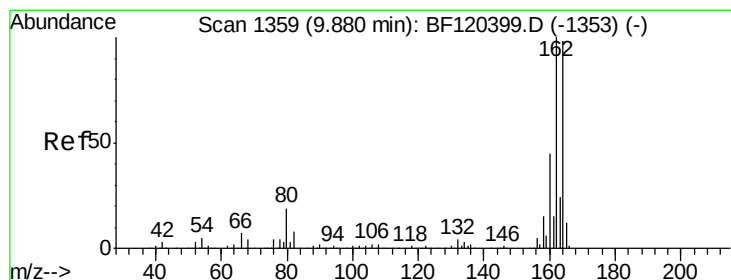
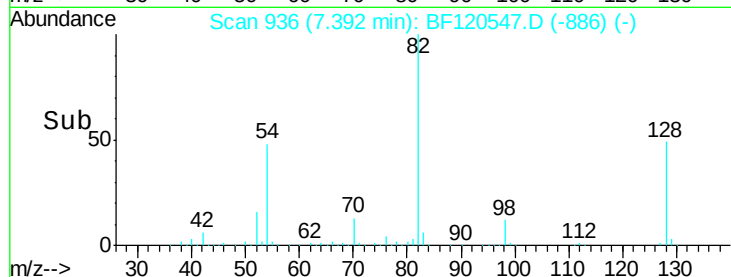
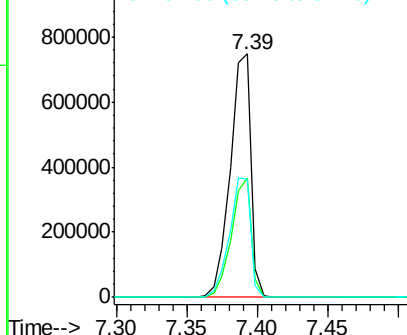
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.1	36.7	55.1
54	48.4	40.0	60.0

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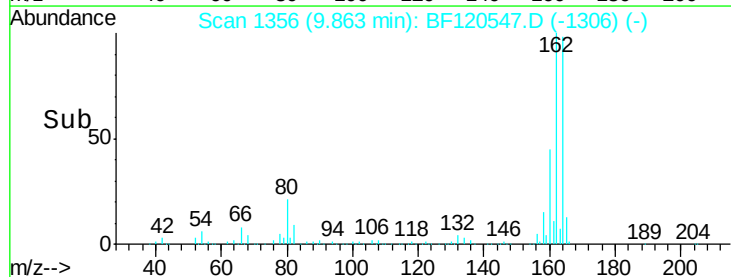
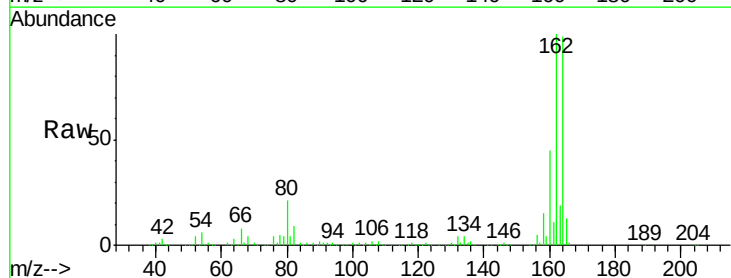
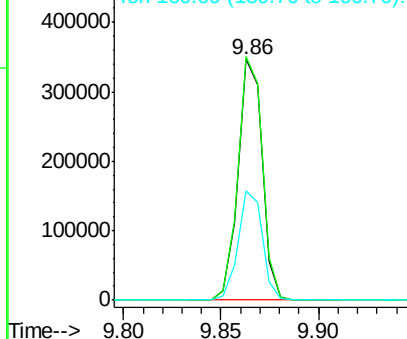
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

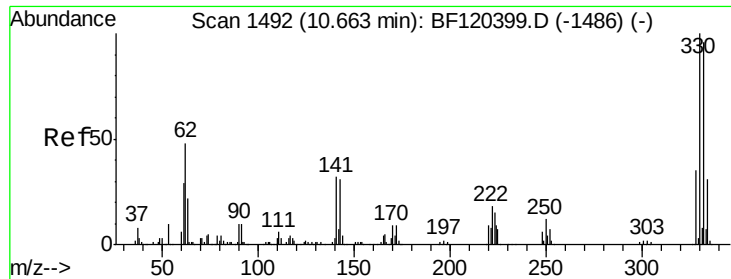


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: BF120547.D
 Acq: 4 Jun 2020 21:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.2	121.8
160	45.4	37.0	55.4

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





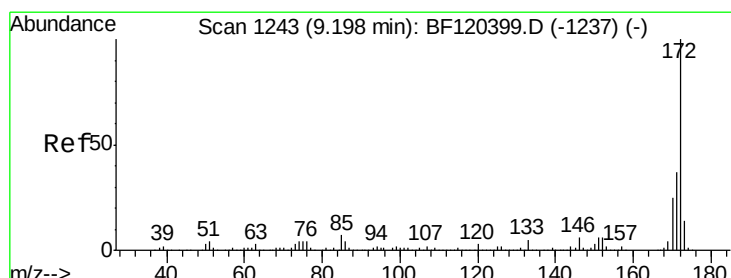
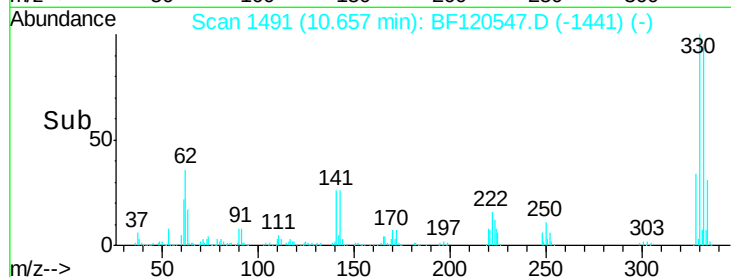
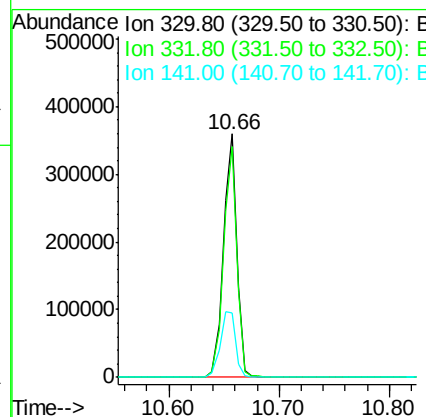
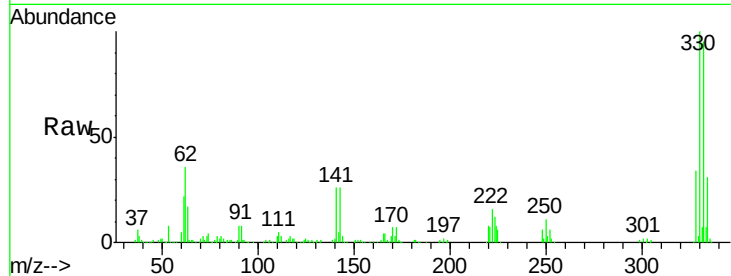
#42
 2,4,6-Tribromophenol
 Concen: 110.082 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120547.D
 Acq: 4 Jun 2020 21:37

Instrument :
 BNA_F
 ClientSampleId :
 NM5-COMP-2020-0-6RE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	304416		
332	94.5		77.0	115.4
141	30.7		23.8	35.8

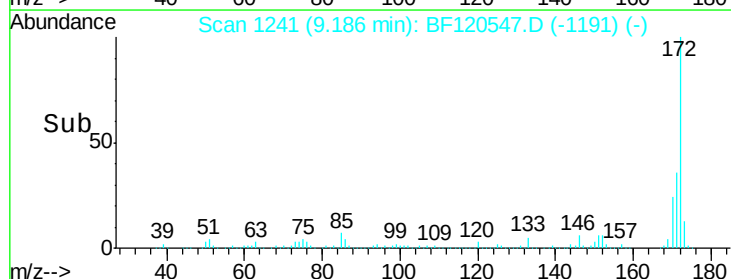
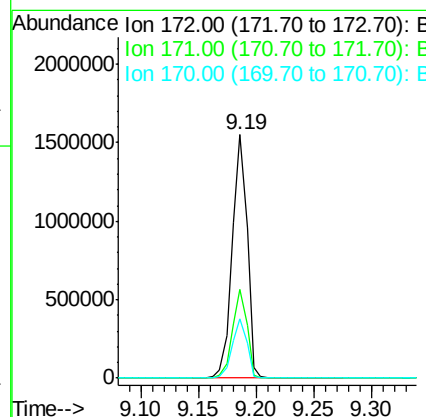
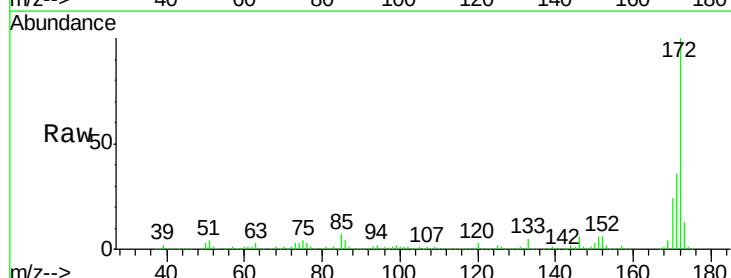
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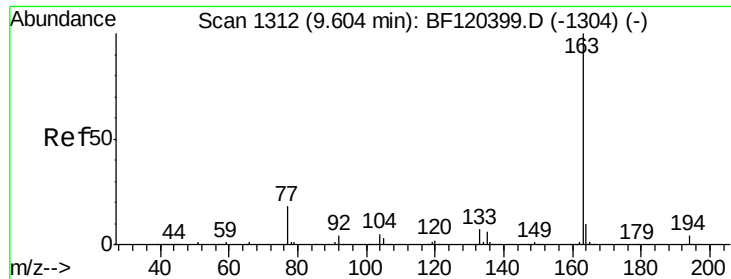
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#45
 2-Fluorobiphenyl
 Concen: 78.562 ng
 RT: 9.19 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: BF120547.D
 Acq: 4 Jun 2020 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1381958		
171	36.3		29.5	44.3
170	24.3		19.8	29.6





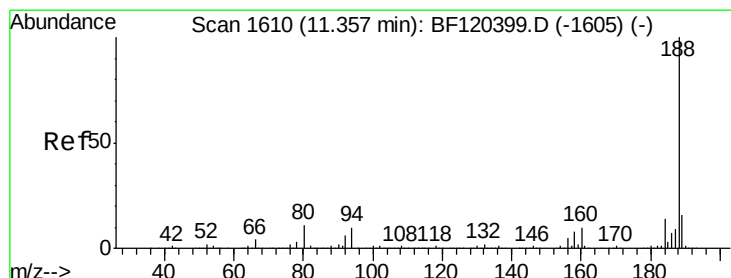
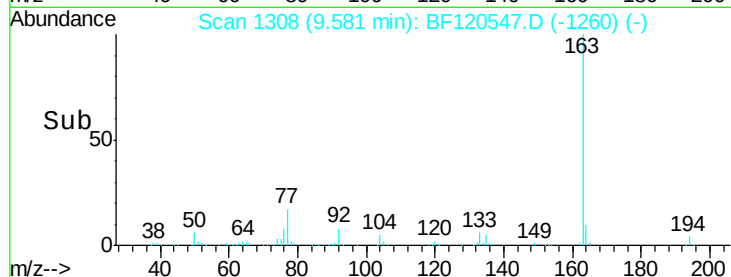
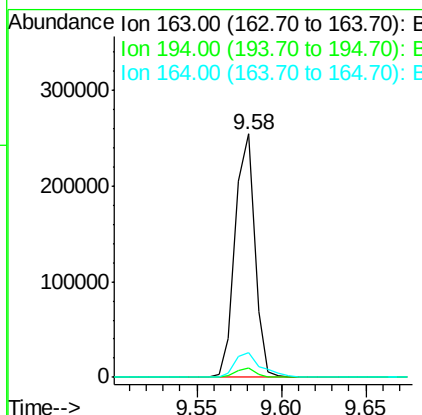
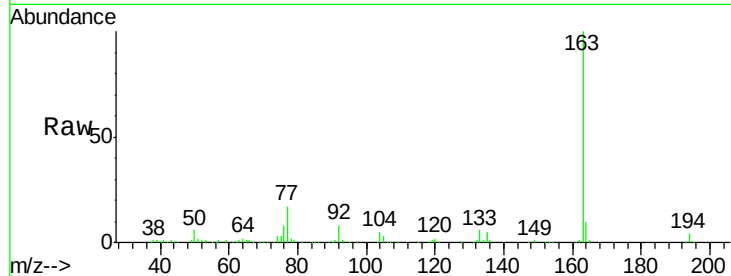
#50
Dimethylphthalate
Concen: 10.988 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

Instrument :
BNA_F
ClientSampleId :
NM5-COMP-2020-0-6RE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	205030		
194	3.9		3.1	4.7
164	10.2		8.0	12.0

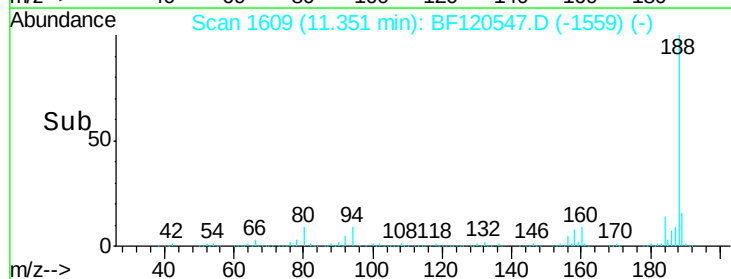
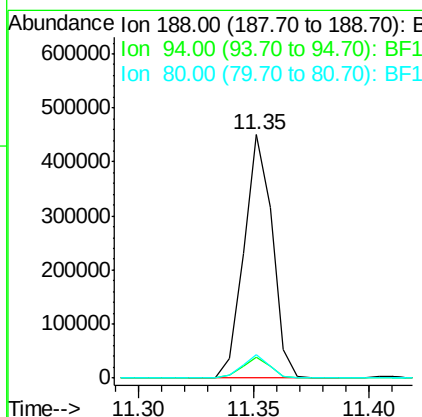
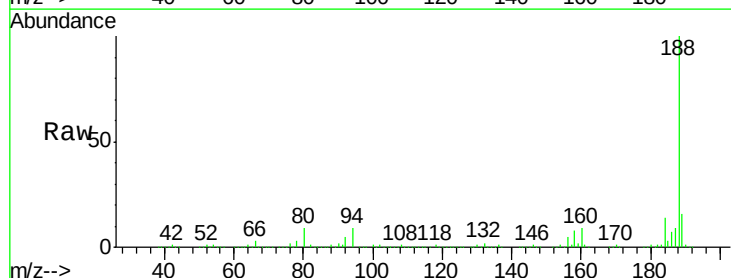
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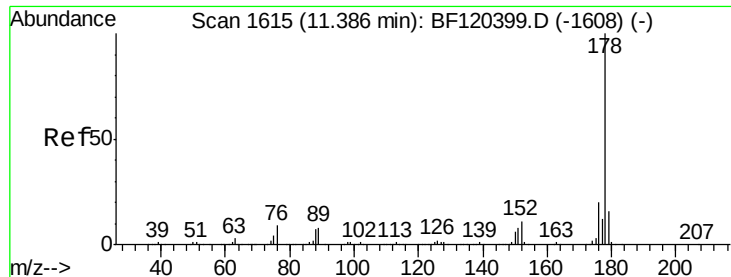
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	385519		
94	8.8		7.4	11.2
80	9.5		7.6	11.4





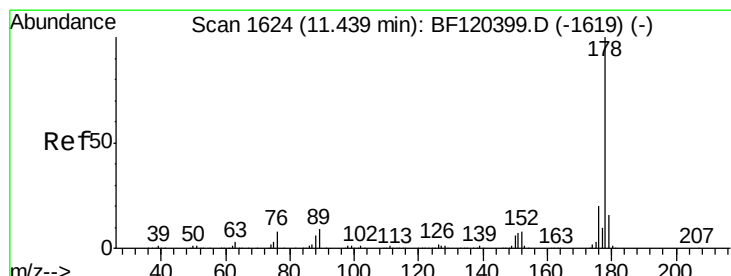
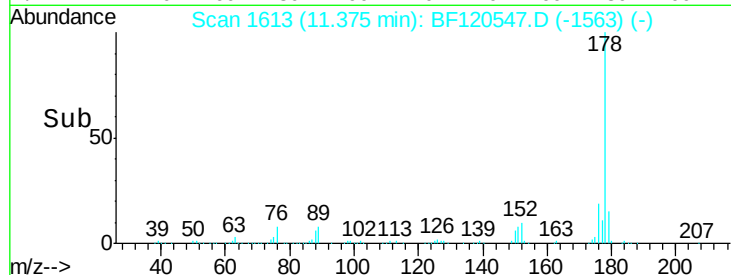
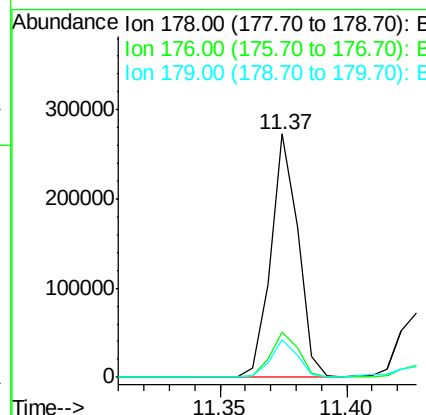
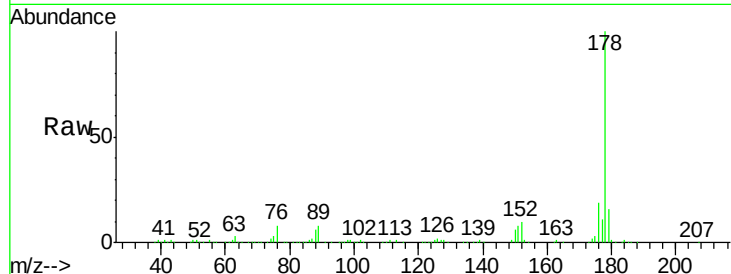
#71
Phenanthrene
Concen: 12.127 ng
RT: 11.37 min Scan# 1613
Delta R.T. -0.01 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

Instrument :
BNA_F
ClientSampleId :
NM5-COMP-2020-0-6RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.2	24.2
179	15.5	12.8	19.2

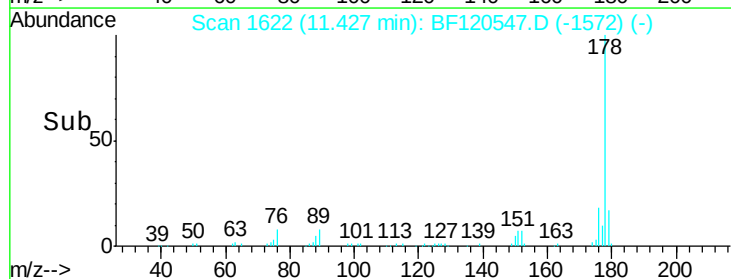
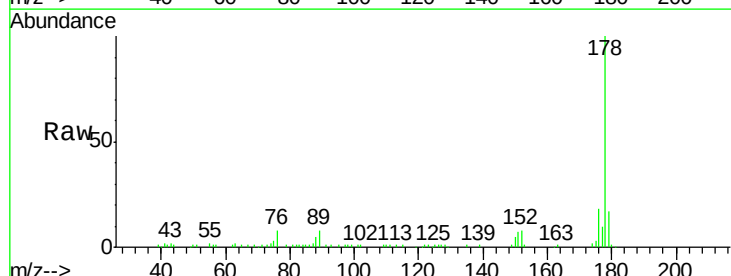
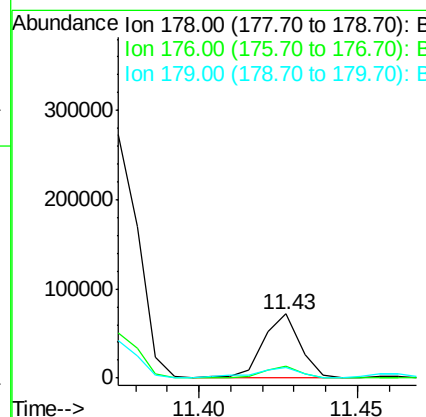
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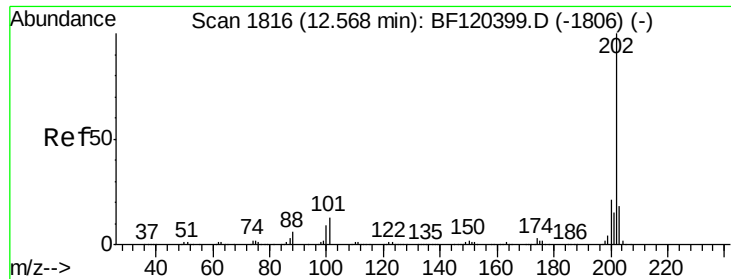
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#72
Anthracene
Concen: 3.341 ng
RT: 11.43 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.6
179	17.0	12.9	19.3





#75

Fluoranthene

Concen: 22.884 ng

RT: 12.57 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF120547.D

Acq: 4 Jun 2020 21:37

Instrument :

BNA_F

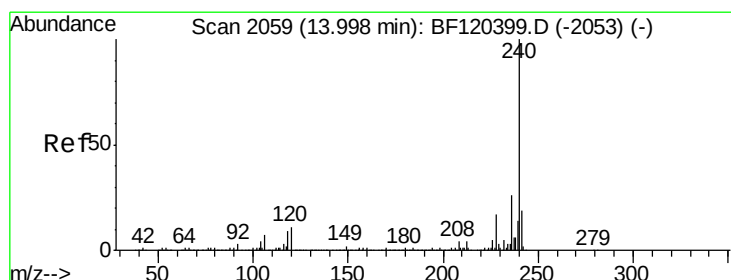
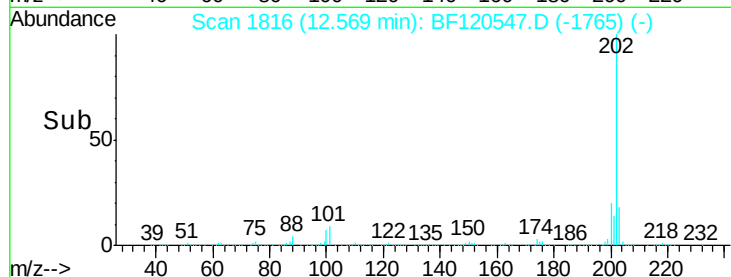
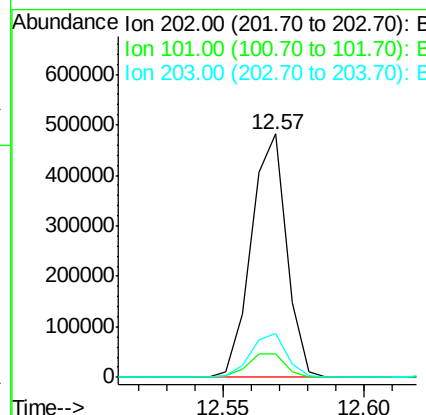
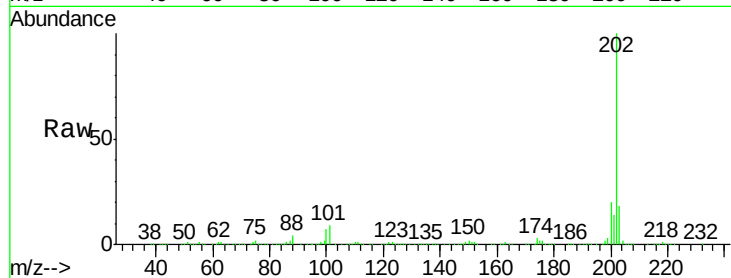
ClientSampleId :

NM5-COMP-2020-0-6RE

Tot Ion	Ratio	Resp	Lower	Upper
202	100	418274		
101	9.4	0.0	31.3	
203	17.9	0.0	38.4	

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#76

Chrysene-d12

Concen: 20.000 ng

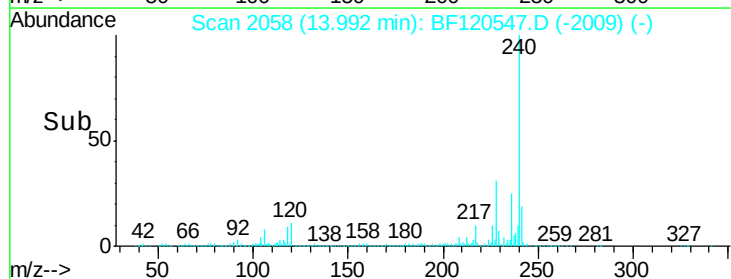
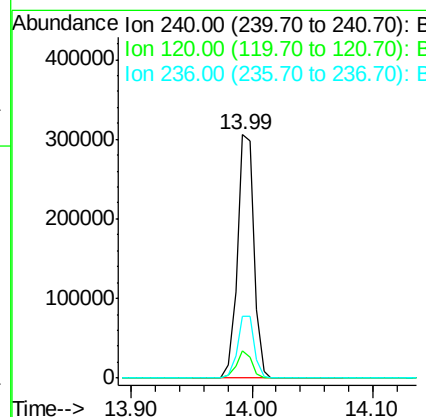
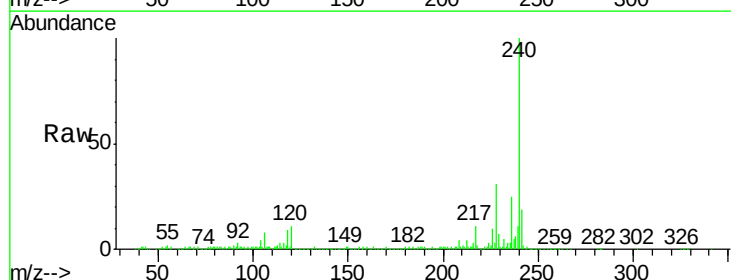
RT: 13.99 min Scan# 2058

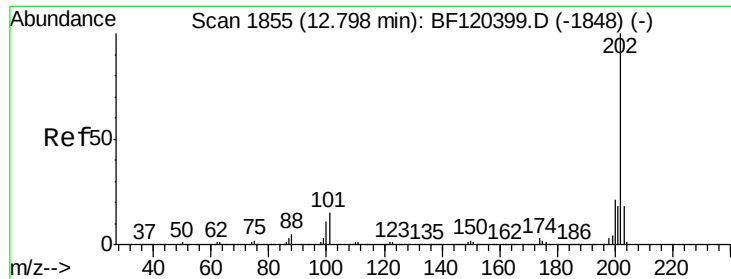
Delta R.T. -0.01 min

Lab File: BF120547.D

Acq: 4 Jun 2020 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	293422		
120	11.0	7.7	11.5	
236	25.4	20.8	31.2	





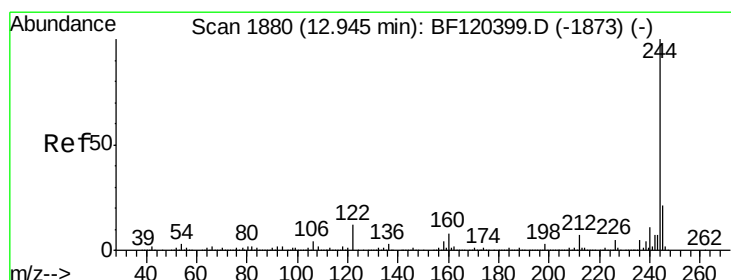
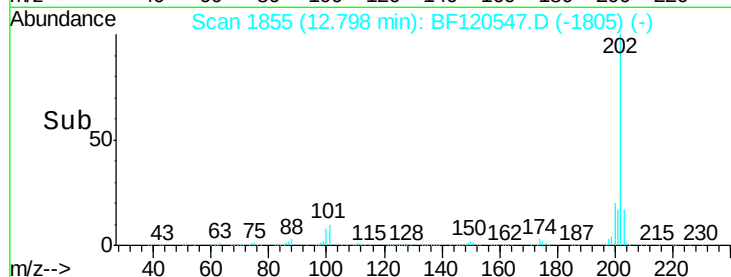
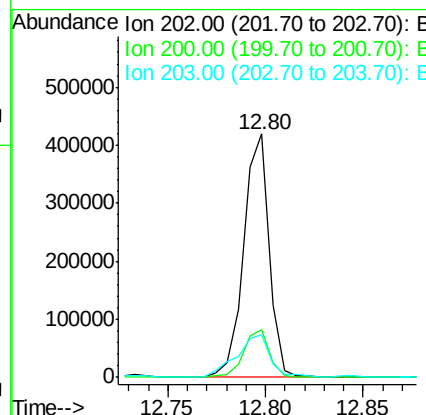
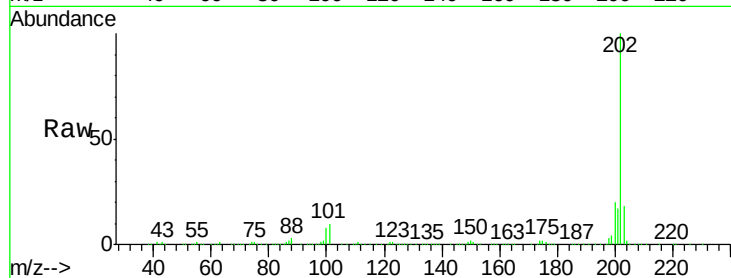
#78
Pvrene
Concen: 18.563 ng
RT: 12.80 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

Instrument :
BNA_F
ClientSampleId :
NM5-COMP-2020-0-6RE

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.0	25.6
203	17.5	14.2	21.2

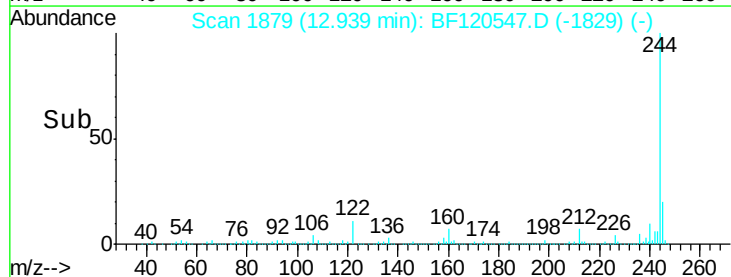
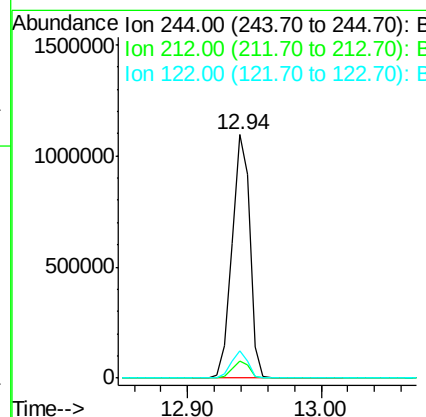
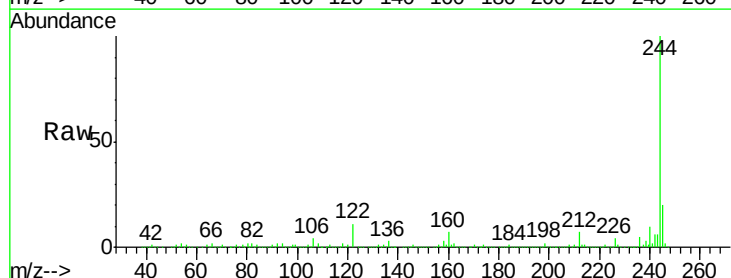
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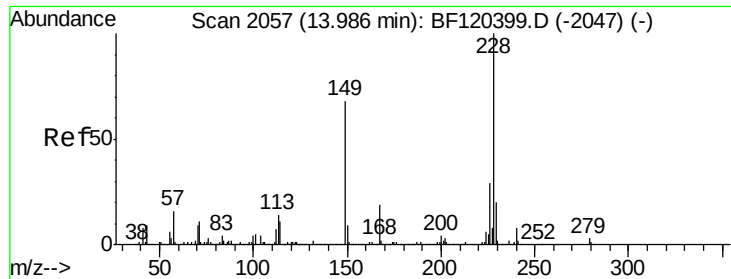
mohammad
6/5/2020 11:58:10 AM



#79
Terphenyl-d14
Concen: 78.467 ng
RT: 12.94 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	11.2	8.0	12.0





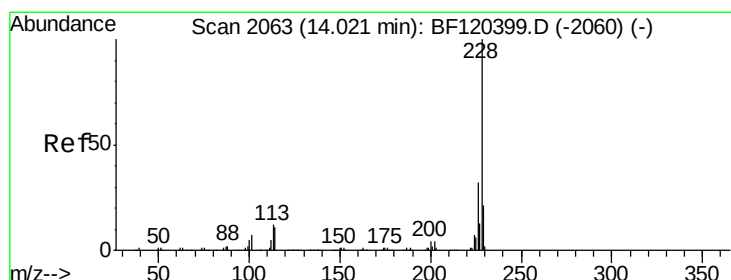
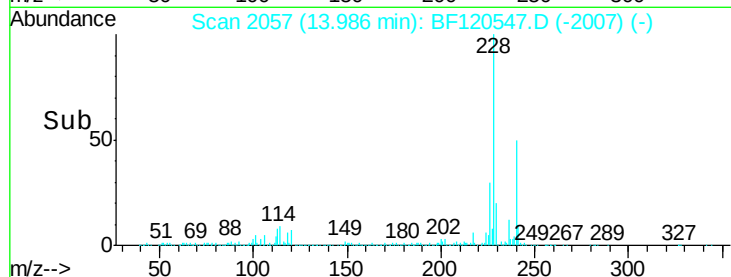
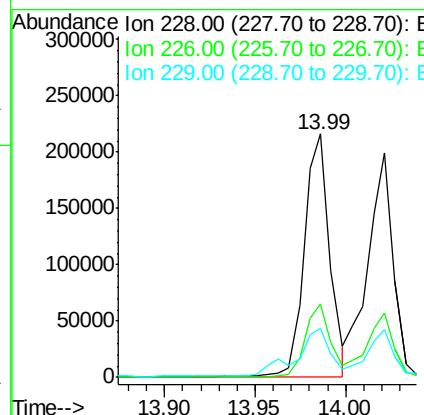
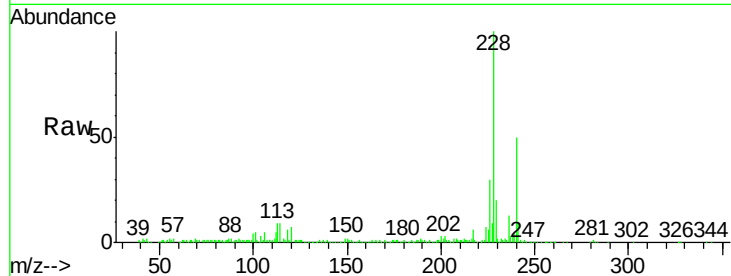
#81
Benzo(a)anthracene
Concen: 13.516 ng
RT: 13.99 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

Instrument :
BNA_F
ClientSampleId :
NM5-COMP-2020-0-6RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.4	33.6
229	20.3	16.2	24.2

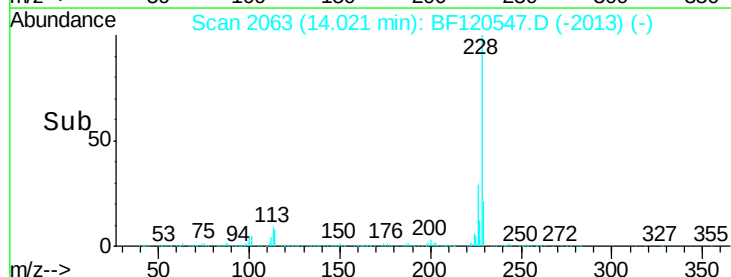
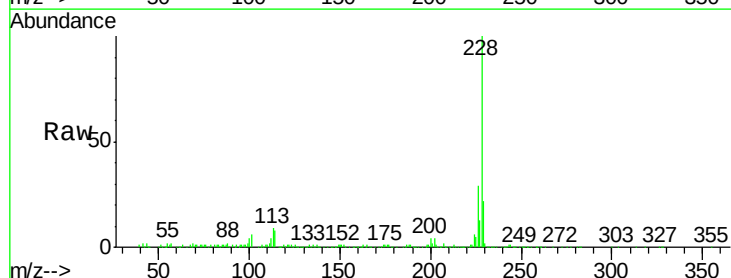
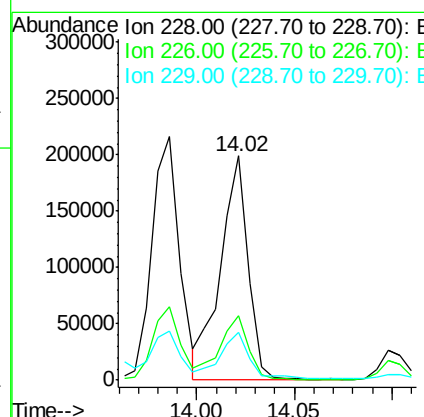
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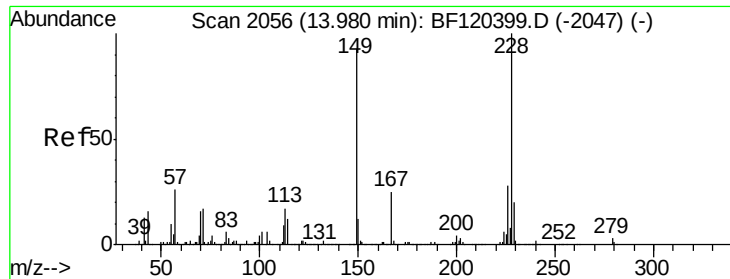
mohammad
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#83
Chrysene
Concen: 11.807 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.01 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	25.6	38.4
229	21.6	16.2	24.2





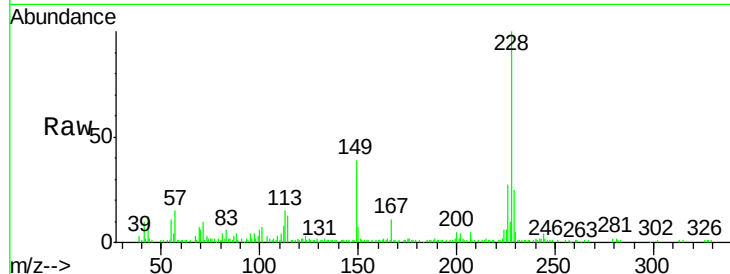
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.102 ng
 RT: 13.97 min Scan# 2055
 Delta R.T. 0.00 min
 Lab File: BF120547.D
 Acq: 4 Jun 2020 21:37

Instrument :
 BNA_F
 ClientSampleId :
 NM5-COMP-2020-0-6RE

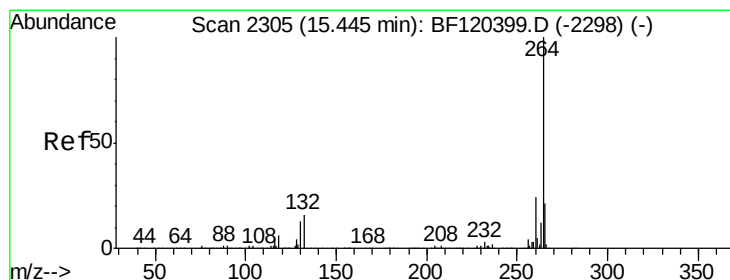
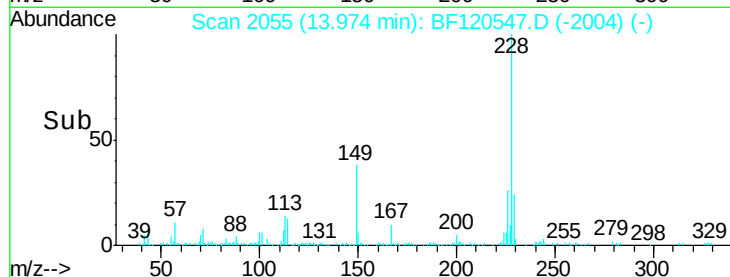
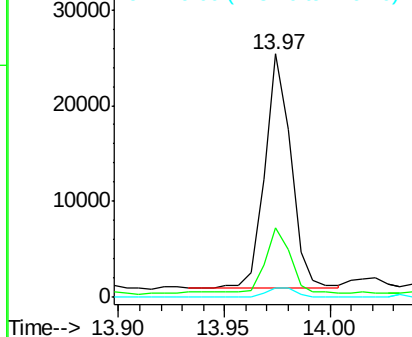
Tot Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.6	33.8
279	4.0	3.1	4.7

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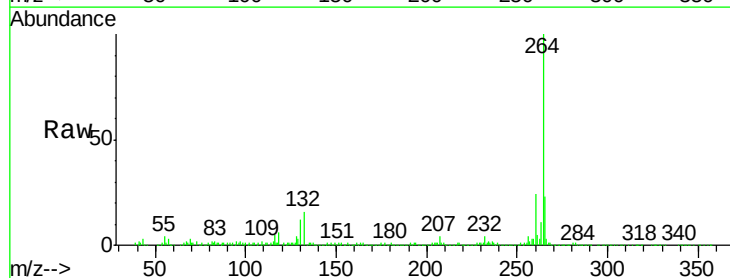


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

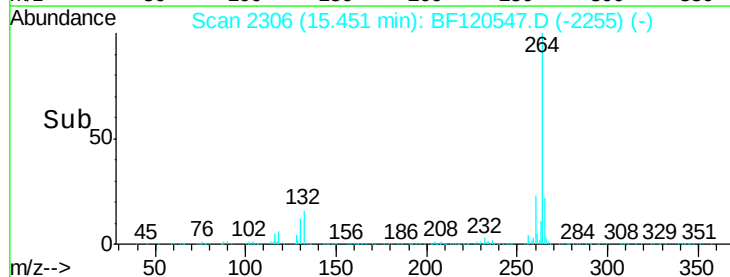
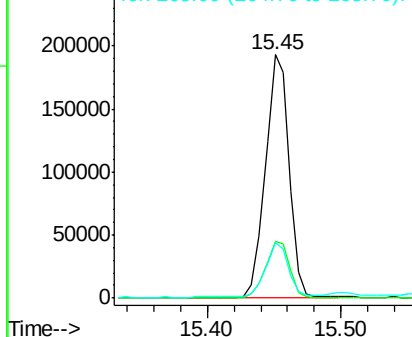


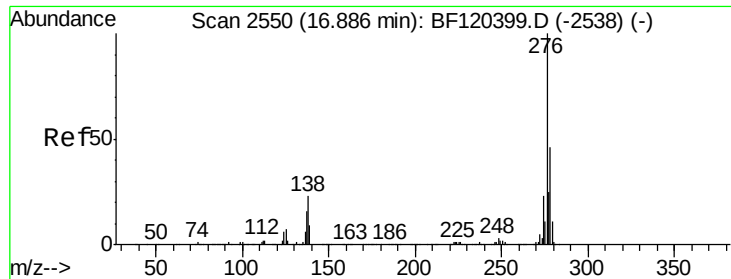
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: BF120547.D
 Acq: 4 Jun 2020 21:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	22.6	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





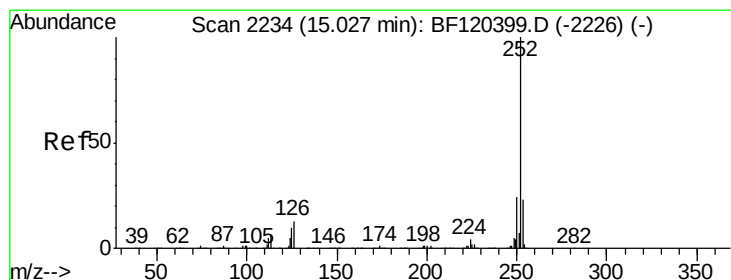
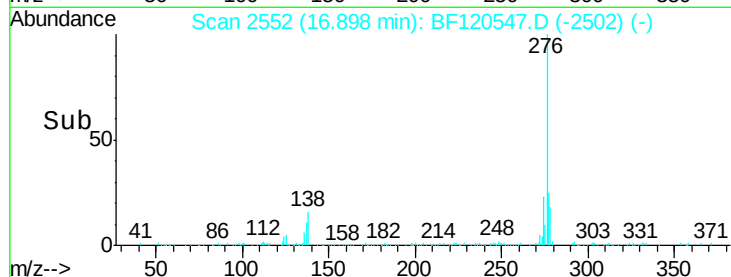
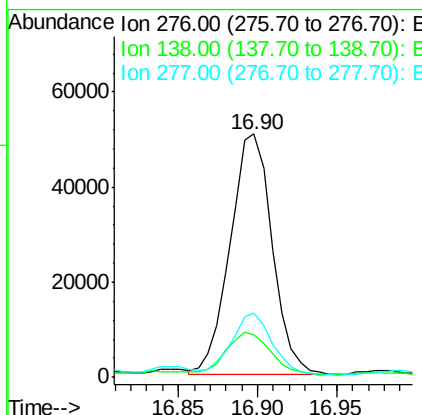
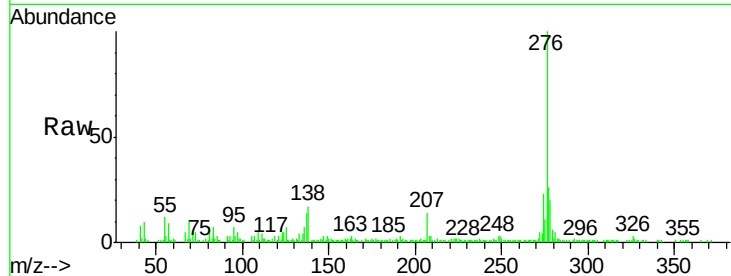
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.143 ng
 RT: 16.90 min Scan# 2552
 Delta R.T. -0.01 min
 Lab File: BF120547.D
 Acq: 4 Jun 2020 21:37

Instrument :
 BNA_F
 ClientSampleId :
 NM5-COMP-2020-0-6RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.3	19.2	28.8
277	25.7	20.3	30.5

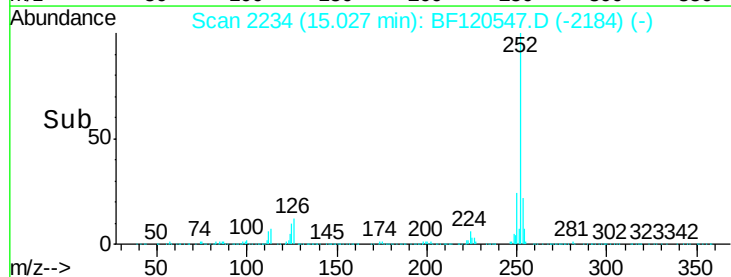
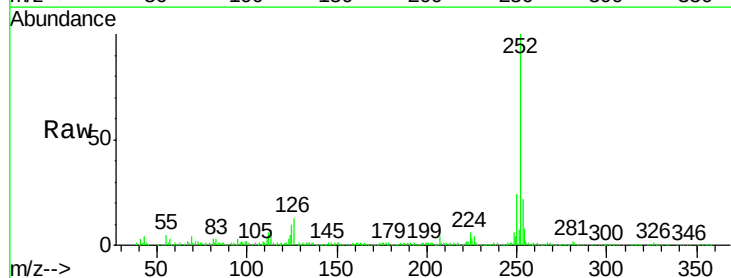
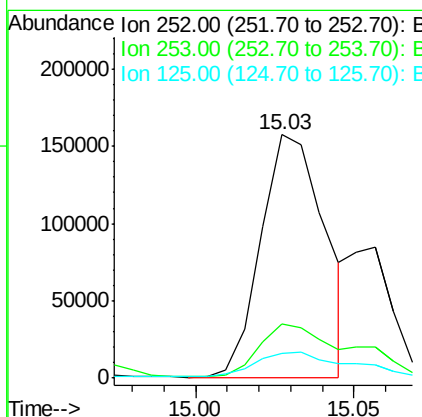
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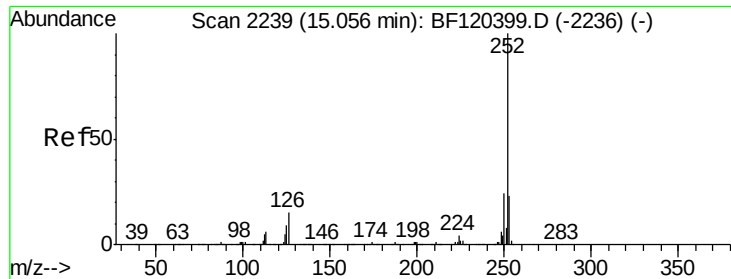
mohammad
 6/5/2020 11:58:10 AM



#88
 Benzo(b)fluoranthene
 Concen: 16.618 ng m
 RT: 15.03 min Scan# 2234
 Delta R.T. -0.01 min
 Lab File: BF120547.D
 Acq: 4 Jun 2020 21:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	10.4	8.3	12.5





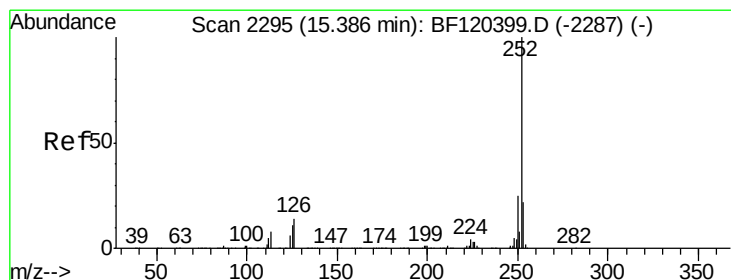
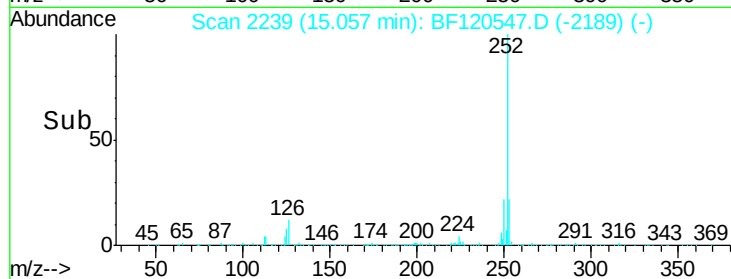
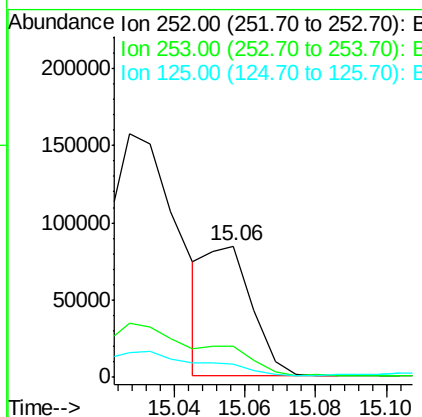
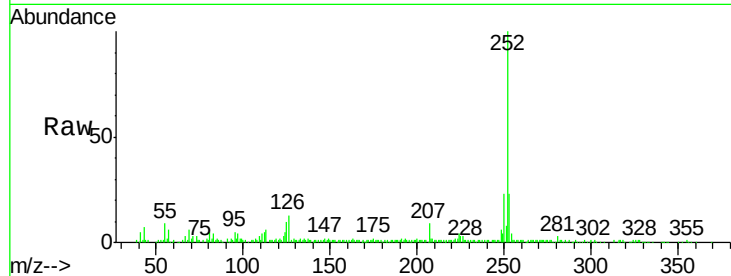
#89
Benzo(k)fluoranthene
Concen: 6.245 ng m
RT: 15.06 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

Instrument :
BNA_F
ClientSampleId :
NM5-COMP-2020-0-6RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	9.8	8.6	13.0

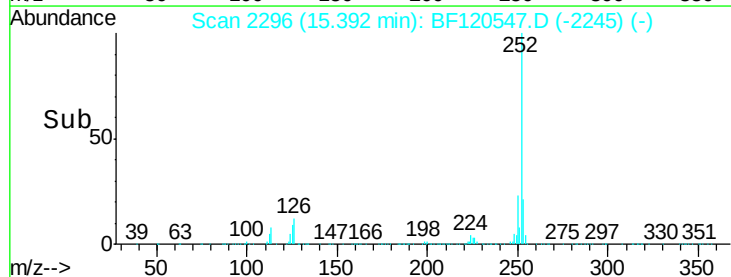
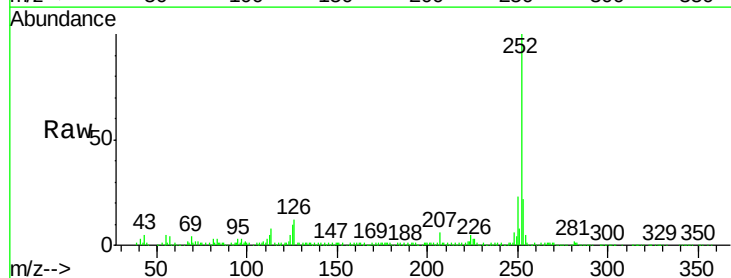
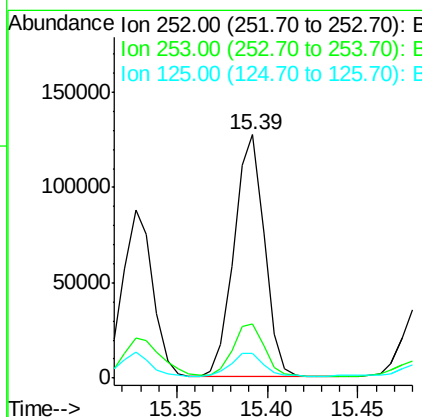
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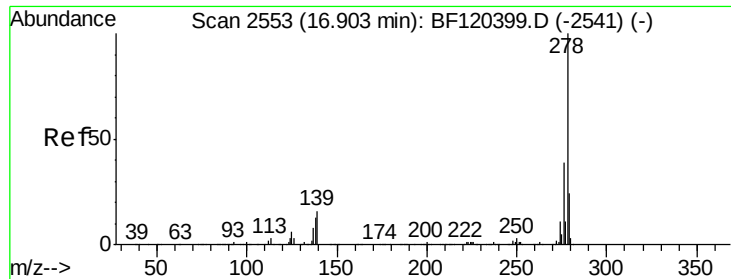
mohammad
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#90
Benzo(a)pyrene
Concen: 12.850 ng
RT: 15.39 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	10.3	9.6	14.4





#91

Dibenzo(a,h)anthracene

Concen: 2.256 ng

RT: 16.90 min Scan# 2553

Delta R.T. -0.02 min

Lab File: BF120547.D

Acq: 4 Jun 2020 21:37

Instrument :

BNA_F

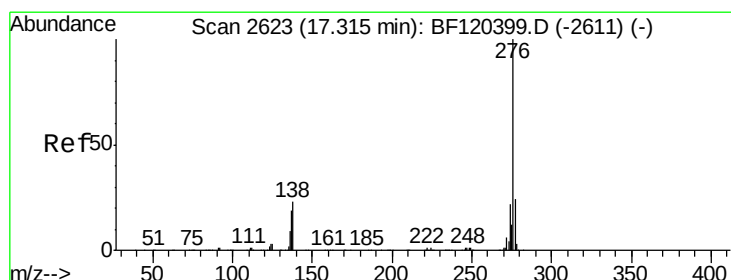
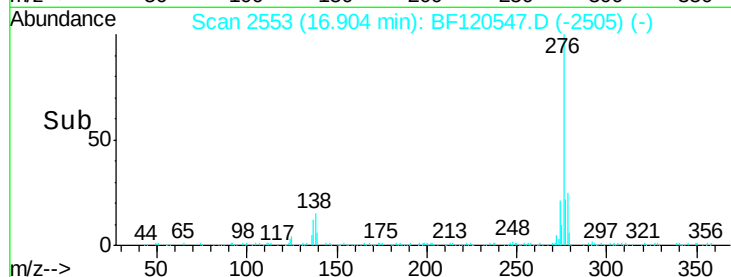
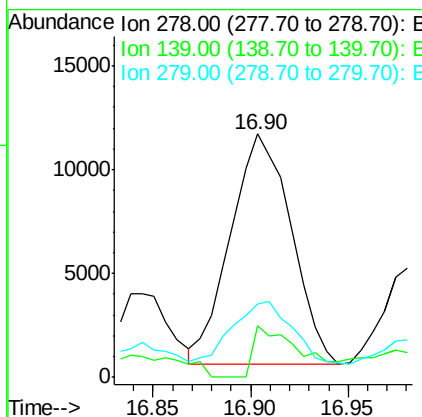
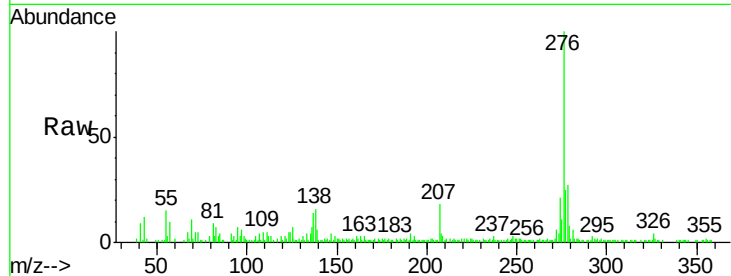
ClientSampleId :

NM5-COMP-2020-0-6RE

Tot Ion:	278	Resp:	23931
Ion Ratio	Lower	Upper	
278	100		
139	21.1	12.4	18.6#
279	30.1	19.4	29.0#

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 11.354 ng

RT: 17.33 min Scan# 2626

Delta R.T. -0.01 min

Lab File: BF120547.D

Acq: 4 Jun 2020 21:37

Tgt Ion:	276	Resp:	118768
Ion Ratio	Lower	Upper	
276	100		
277	23.6	19.3	28.9
138	22.3	16.9	25.3

