

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120539.D
 Acq On : 4 Jun 2020 17:52
 Operator : JU/CG
 Sample : L2839-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM12-COMP-2020-0-6

Manual Integrations
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Quant Time: Jun 04 19:01:47 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	152089	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	570332	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	357625	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	627344	20.00	ng	0.00
76) Chrysene-d12	13.99	240	448280	20.00	ng	-0.01
86) Perylene-d12	15.45	264	435696	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	731512	91.66	ng	0.00
7) Phenol-d6	6.46	99	840309	85.43	ng	0.00
23) Nitrobenzene-d5	7.39	82	599846	68.80	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	294699	88.94	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1174298	55.71	ng	0.00
79) Terphenyl-d14	12.94	244	1236945	61.40	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.58	163	261388	11.691	ng	Qvalue 100
71) Phenanthrene	11.37	178	109322	3.955	ng	99
75) Fluoranthene	12.56	202	259842	8.736	ng	98
78) Pyrene	12.79	202	242306	7.772	ng	99
81) Benzo(a)anthracene	13.98	228	134823	5.612	ng	95
83) Chrysene	14.02	228	122001	4.844	ng	95
87) Indeno(1,2,3-cd)pyrene	16.89	276	71807	3.013	ng	95
88) Benzo(b)fluoranthene	15.03	252	190333m	7.865	ng	
89) Benzo(k)fluoranthene	15.05	252	48406m	2.143	ng	
90) Benzo(a)pyrene	15.39	252	118269	5.587	ng	99
92) Benzo(g,h,i)perylene	17.33	276	65737	3.431	ng	96

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

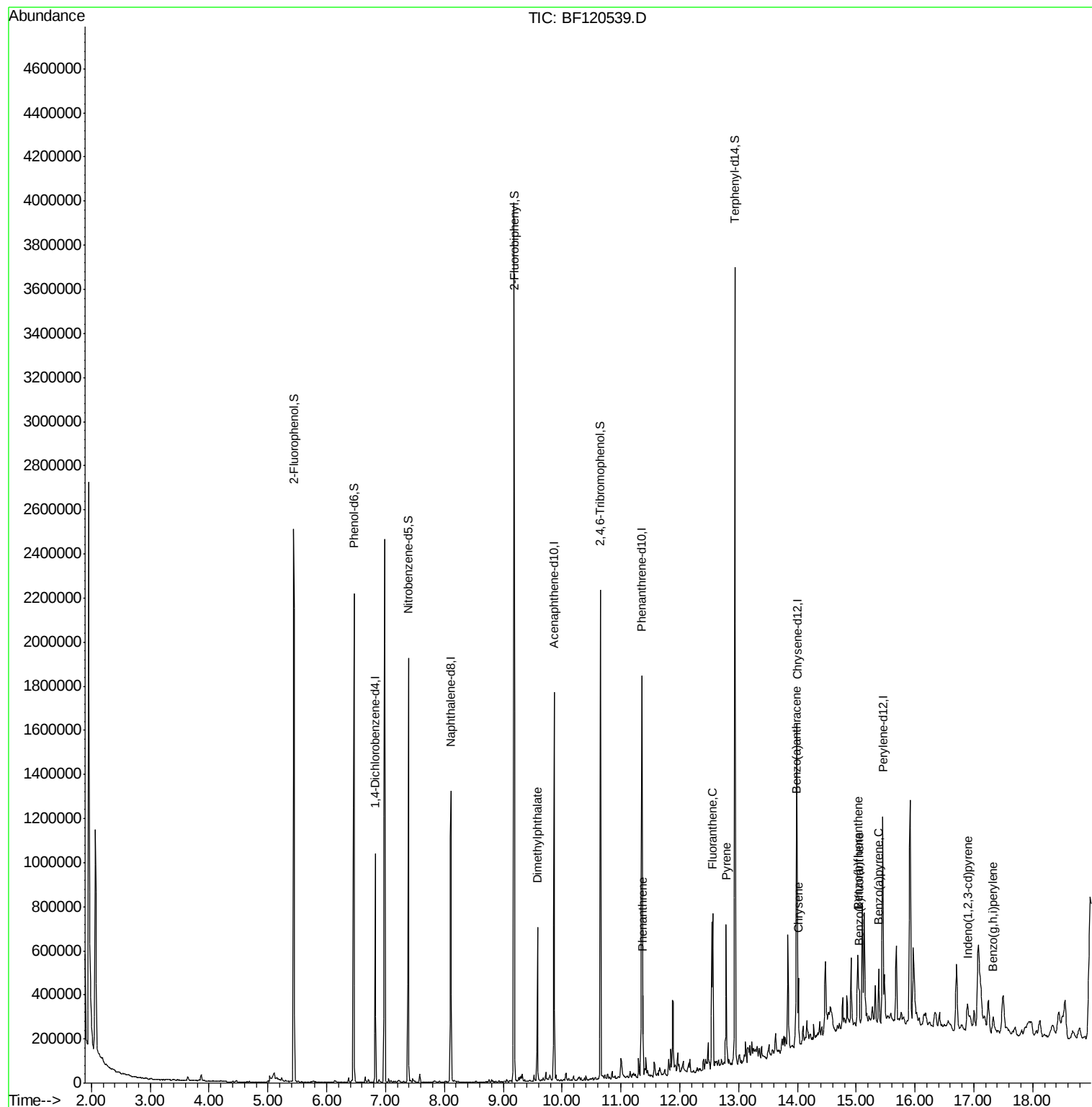
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
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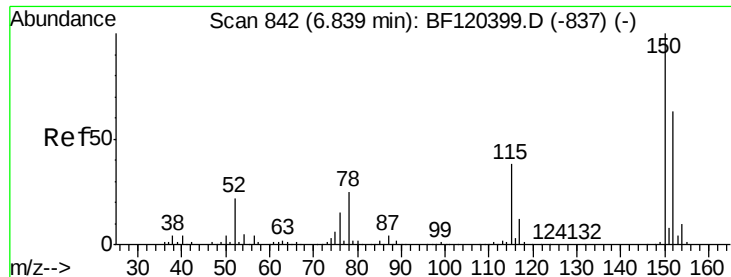
Instrument :
BNA_F
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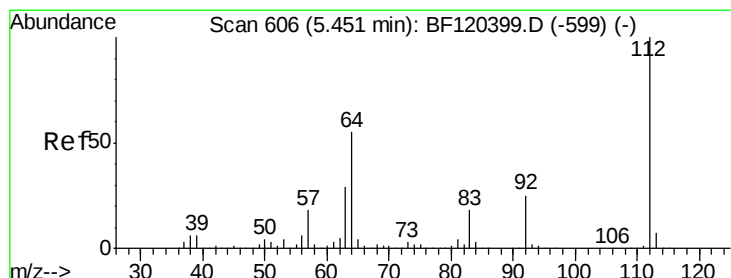
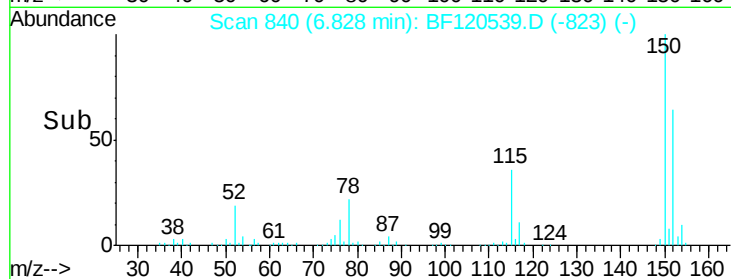
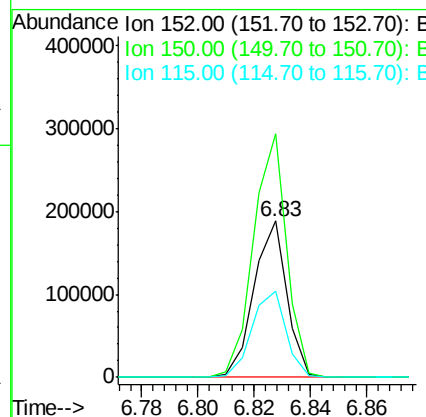
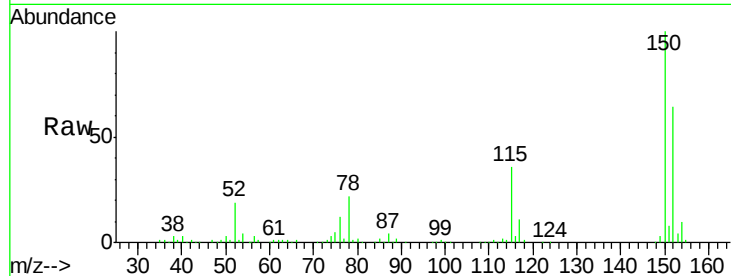
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: BF120539.D
 Acq: 4 Jun 2020 17:52

Instrument :
 BNA_F
 ClientSampleId :
 NM12-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.3	189.5
115	55.5	48.1	72.1

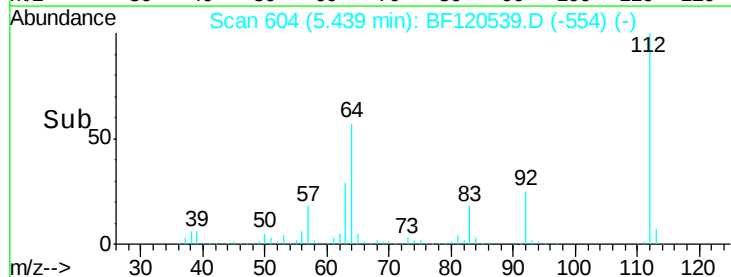
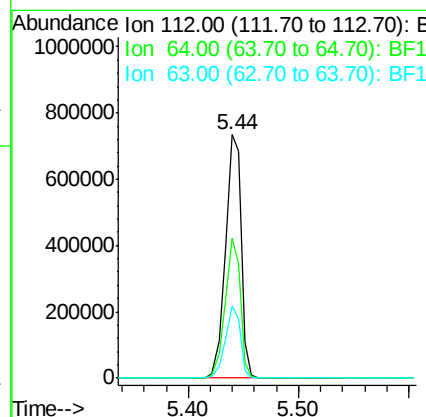
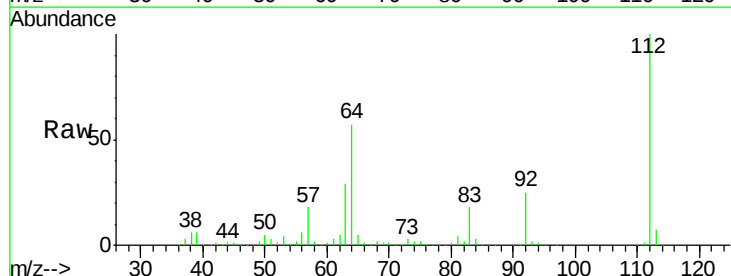
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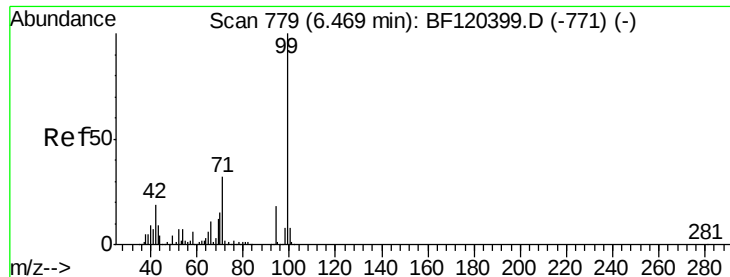
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#5
 2-Fluorophenol
 Concen: 91.662 ng
 RT: 5.44 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: BF120539.D
 Acq: 4 Jun 2020 17:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	47.2	70.8
63	29.4	24.7	37.1





#7

Phenol-d6

Concen: 85.427 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120539.D

Acq: 4 Jun 2020 17:52

Instrument :

BNA_F

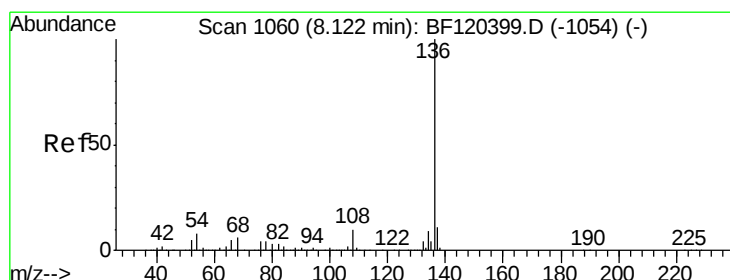
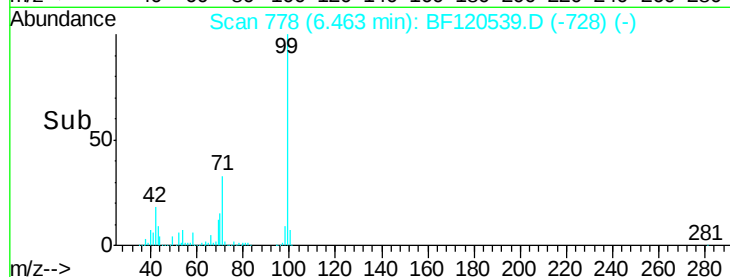
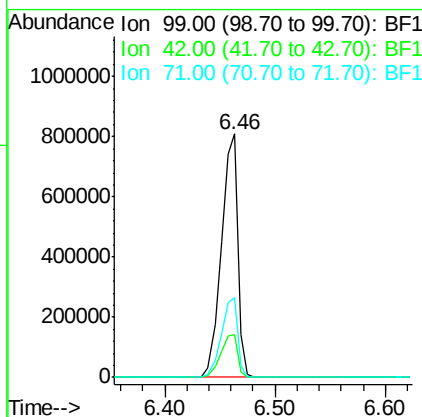
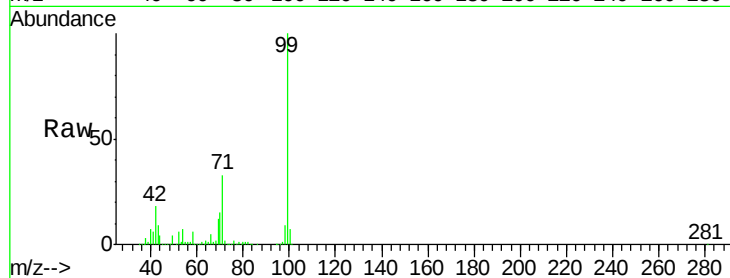
ClientSampleId :

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Tot Ion:	99	Resp:	840309
Ion	Ratio	Lower	Upper
99	100		
42	17.6	15.0	22.6
71	32.8	27.0	40.4

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#21

Naphthalene-d8

Concen: 20.000 ng

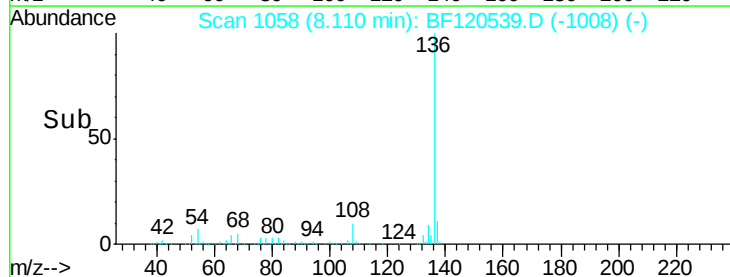
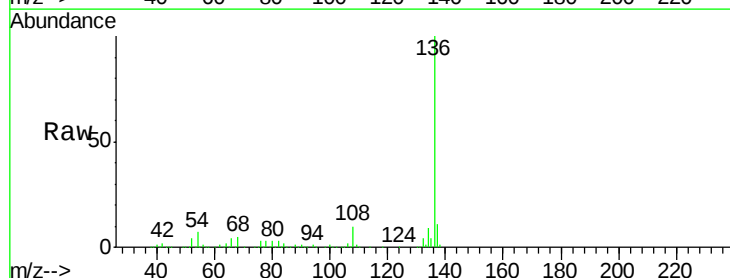
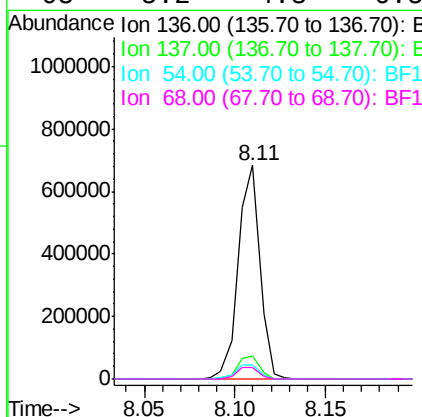
RT: 8.11 min Scan# 1058

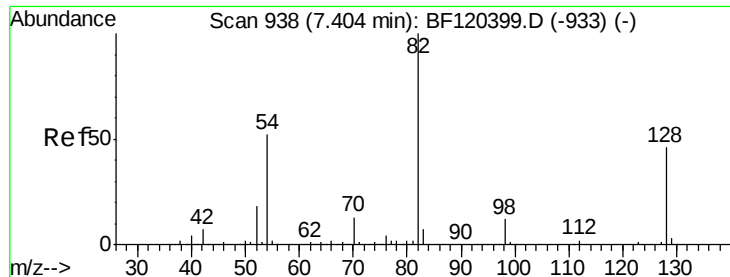
Delta R.T. -0.01 min

Lab File: BF120539.D

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Tgt Ion:	136	Resp:	570332
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.9	5.4	8.0
68	5.2	4.3	6.5





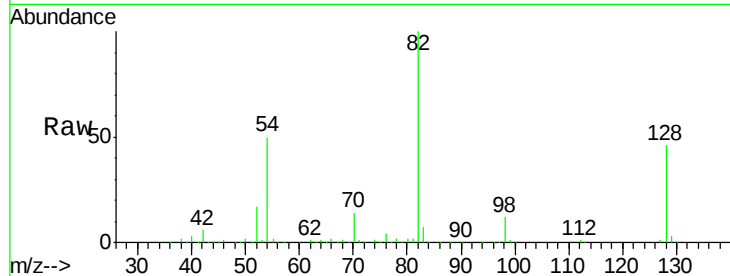
#23
Nitrobenzene-d5
Concen: 68.798 ng
RT: 7.39 min Scan# 935
Delta R.T. -0.01 min
Lab File: BF120539.D
Acq: 4 Jun 2020 17:52

Instrument :
BNA_F
ClientSampleId :
NM12-COMP-2020-0-6

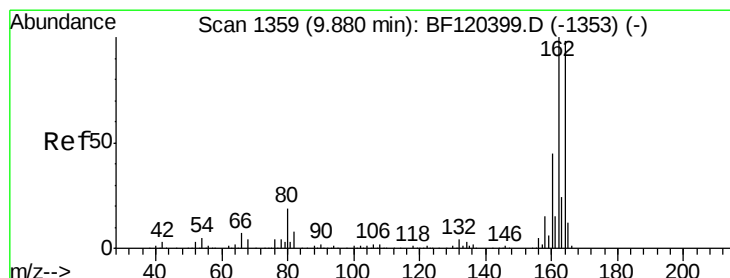
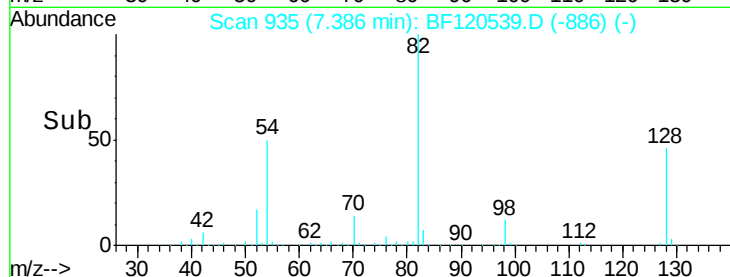
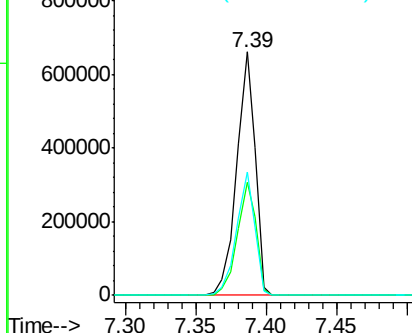
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.4	36.7	55.1	
54	50.4	40.0	60.0	

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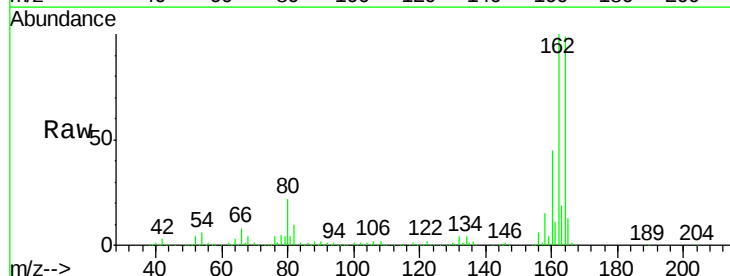


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

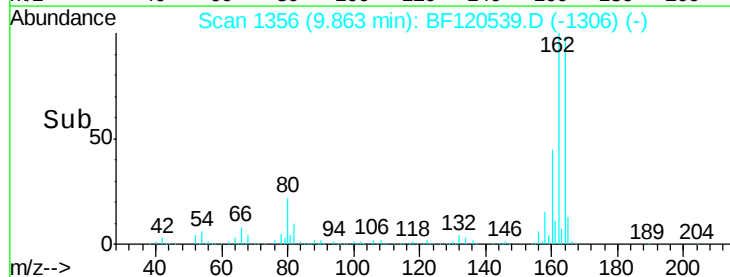
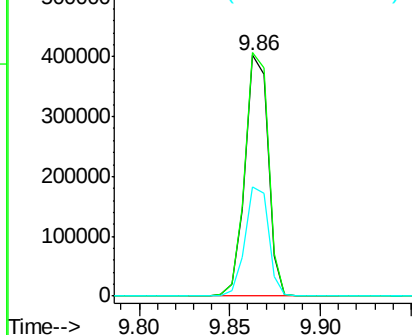


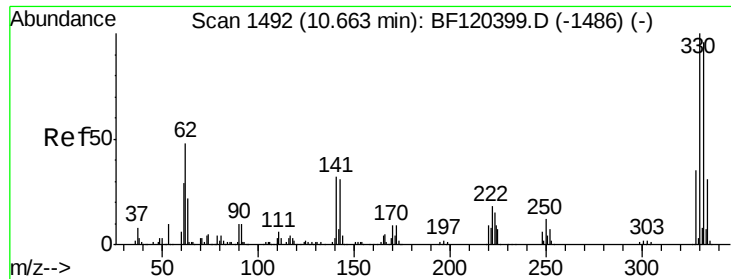
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1356
Delta R.T. -0.01 min
Lab File: BF120539.D
Acq: 4 Jun 2020 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.0	81.2	121.8	
160	45.5	37.0	55.4	



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





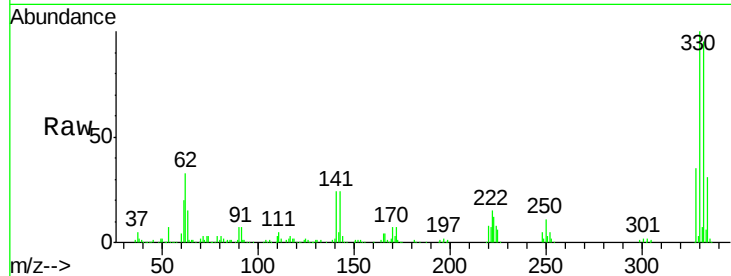
#42
 2,4,6-Tribromophenol
 Concen: 88.937 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120539.D
 Acq: 4 Jun 2020 17:52

Instrument :
 BNA_F
 ClientSampleId :
 NM12-COMP-2020-0-6

Tot Ion	Ratio	Resp	Lower	Upper
330	100	294699		
332	94.4		77.0	115.4
141	30.4		23.8	35.8

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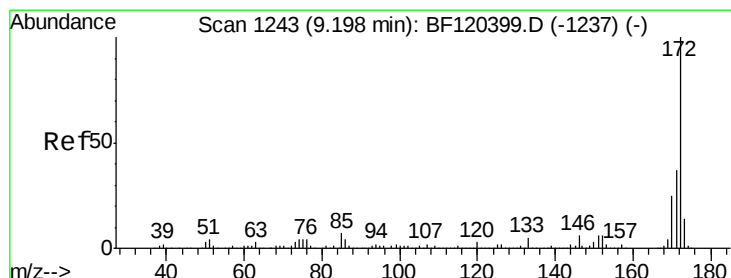
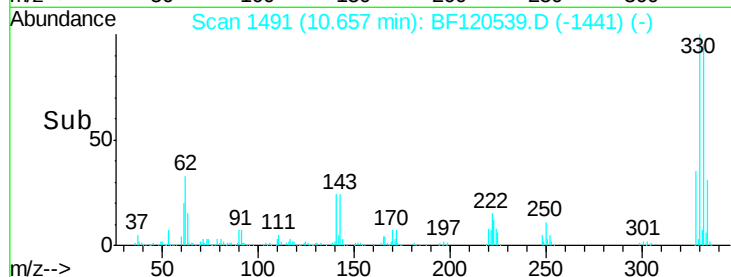
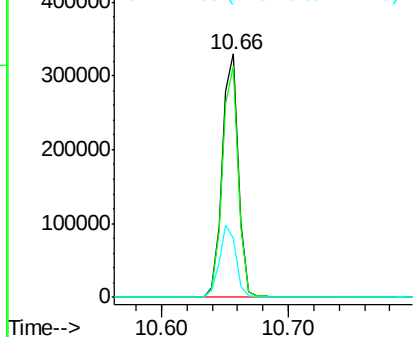


Abundance

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: 55.713 ng
 RT: 9.19 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: BF120539.D
 Acq: 4 Jun 2020 17:52

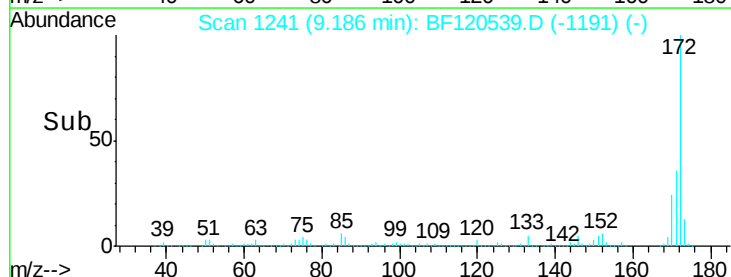
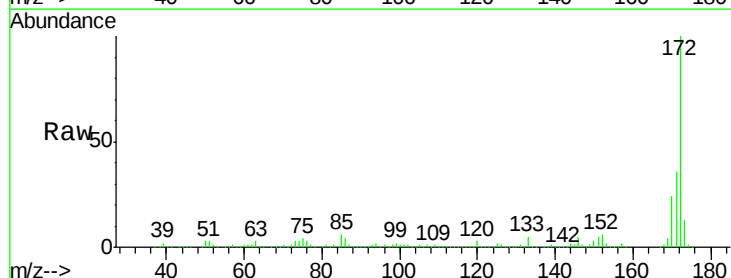
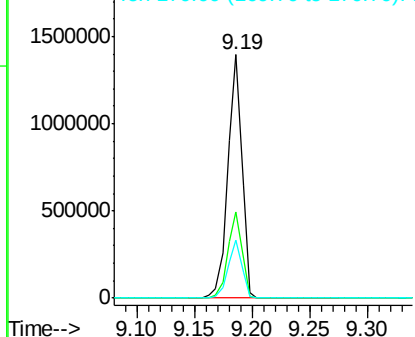
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1174298		
171	35.5		29.5	44.3
170	23.8		19.8	29.6

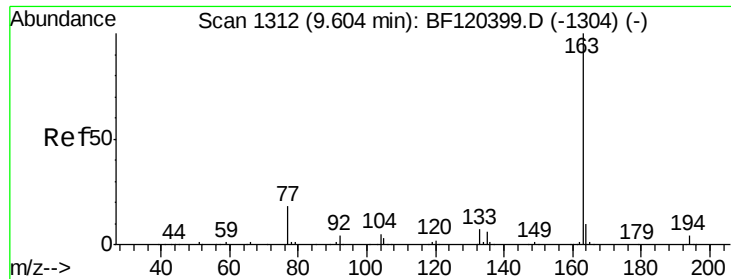
Abundance

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





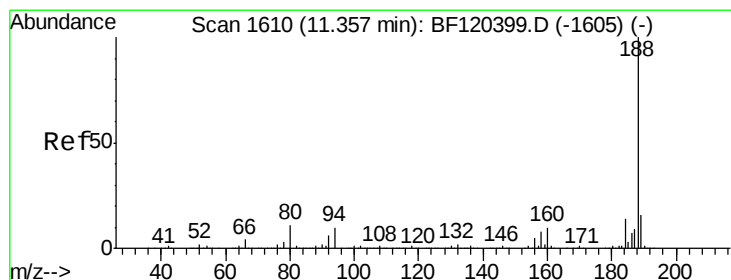
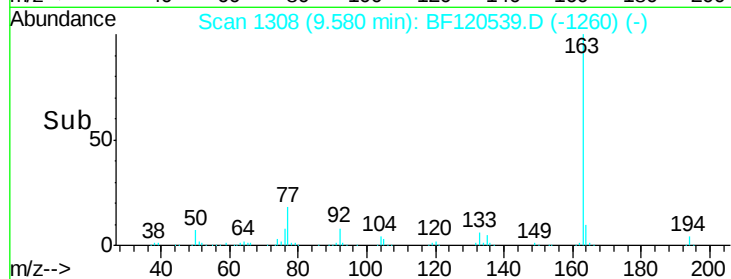
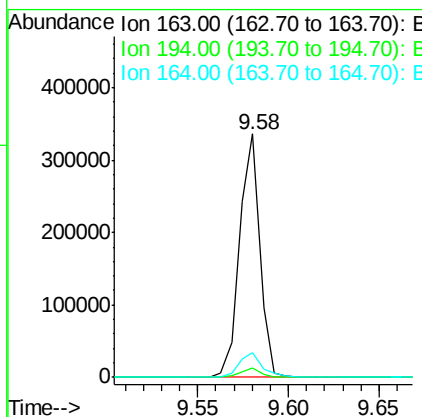
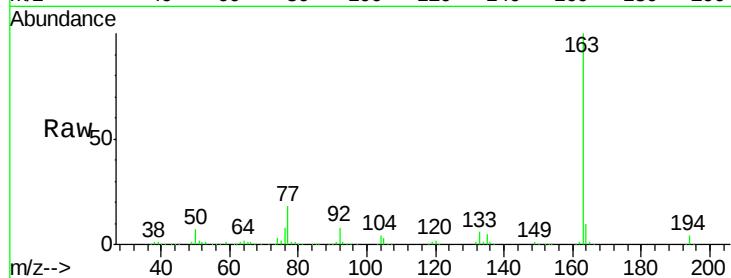
#50
Dimethylphthalate
Concen: 11.691 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120539.D
Acq: 4 Jun 2020 17:52

Instrument :
BNA_F
ClientSampleId :
NM12-COMP-2020-0-6

Tot Ion	Ratio	Resp	Lower	Upper
163	100	261388		
194	3.9		3.1	4.7
164	10.0		8.0	12.0

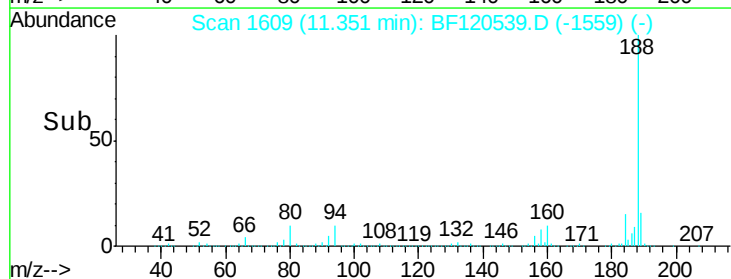
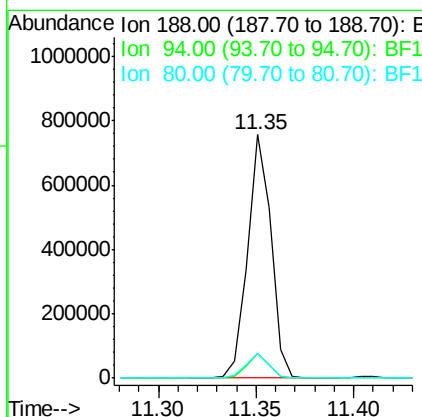
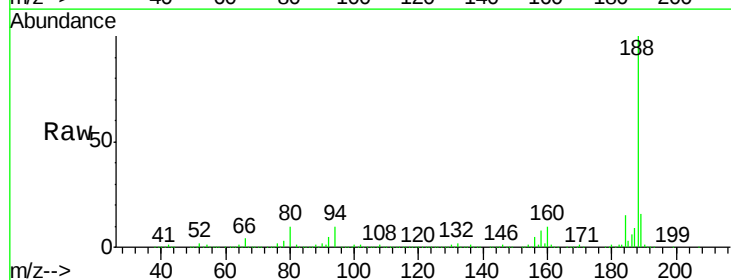
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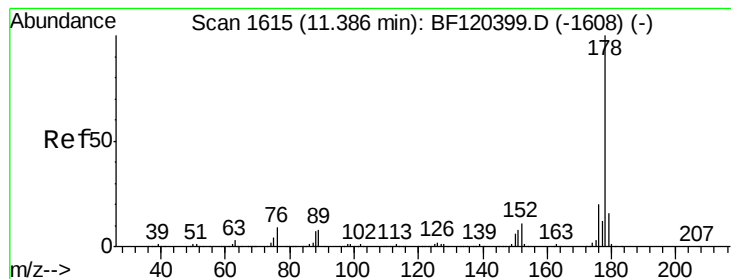
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BF120539.D
Acq: 4 Jun 2020 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	627344		
94	9.9		7.4	11.2
80	10.3		7.6	11.4





#71

Phenanthrene

Concen: 3.955 ng

RT: 11.37 min Scan# 1613

Delta R.T. -0.01 min

Lab File: BF120539.D

Acq: 4 Jun 2020 17:52

Instrument :

BNA_F

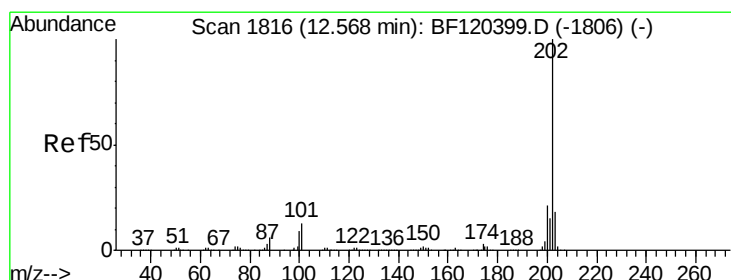
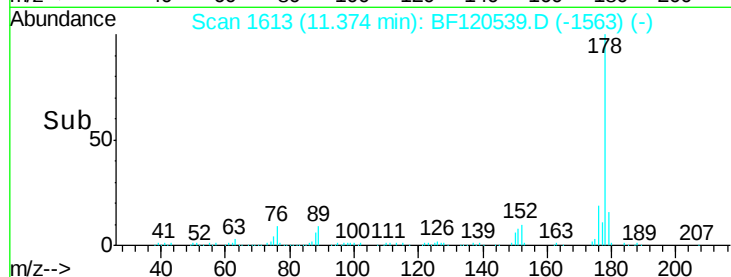
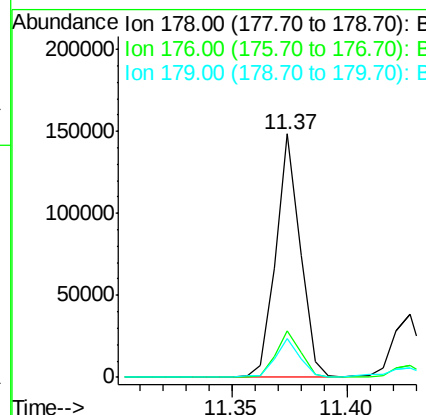
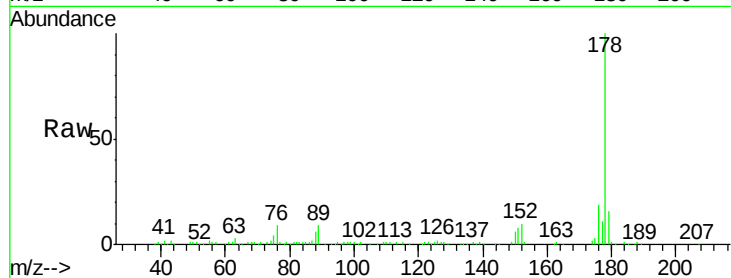
ClientSampleId :

NM12-COMP-2020-0-6

Tot Ion:	178	Resp:	109322
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.2	24.2
179	15.8	12.8	19.2

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#75

Fluoranthene

Concen: 8.736 ng

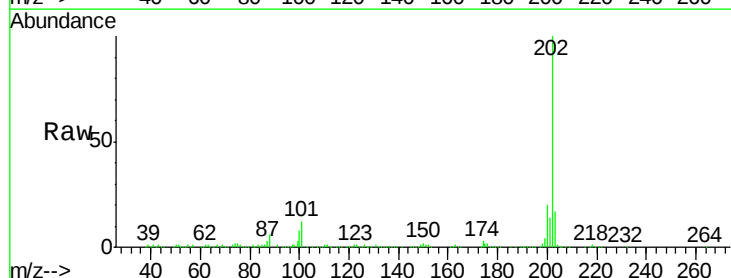
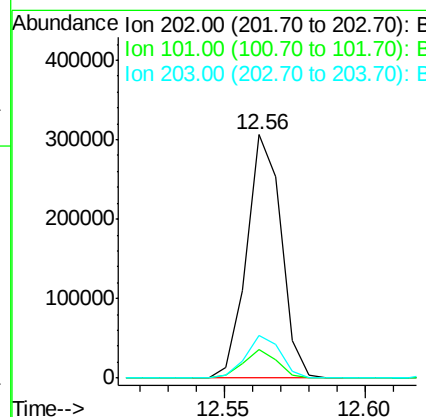
RT: 12.56 min Scan# 1815

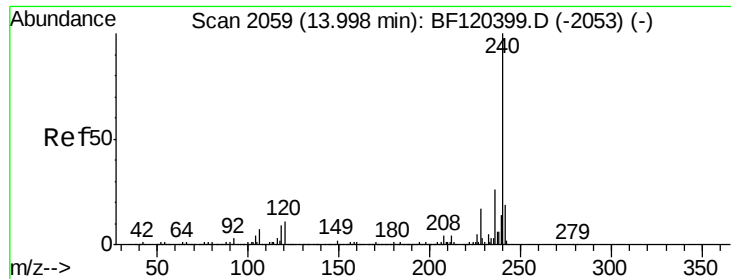
Delta R.T. -0.01 min

Lab File: BF120539.D

Acq: 4 Jun 2020 17:52

Tgt Ion:	202	Resp:	259842
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	31.3
203	17.3	0.0	38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BF120539.D

Acq: 4 Jun 2020 17:52

Instrument :

BNA_F

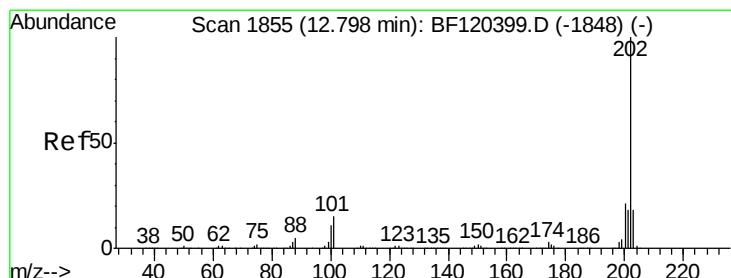
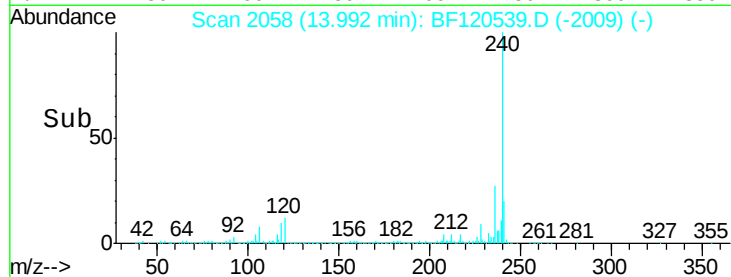
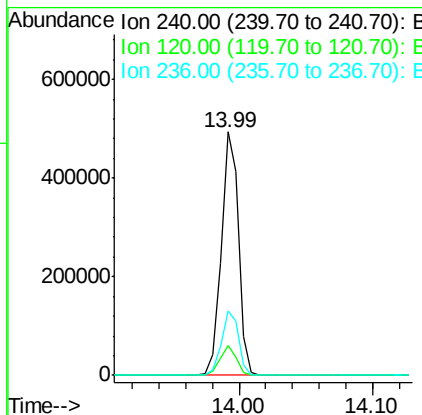
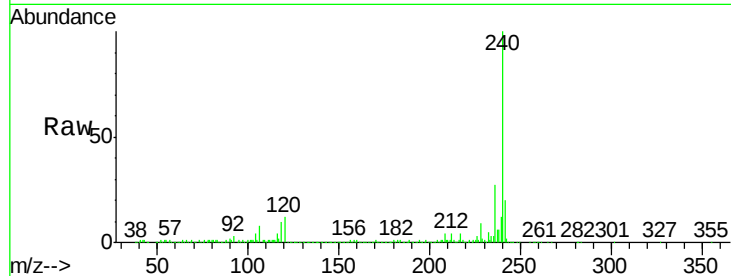
ClientSampleId :

NM12-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	7.7	11.5#
236	26.6	20.8	31.2

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#78

Pyrene

Concen: 7.772 ng

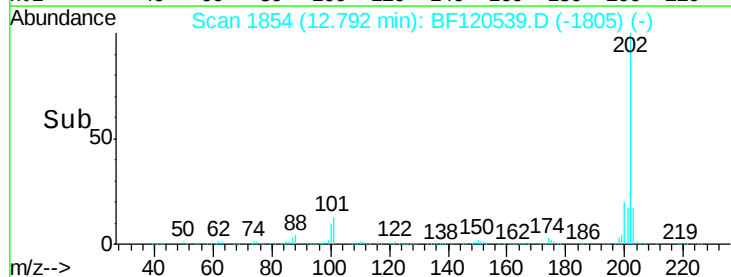
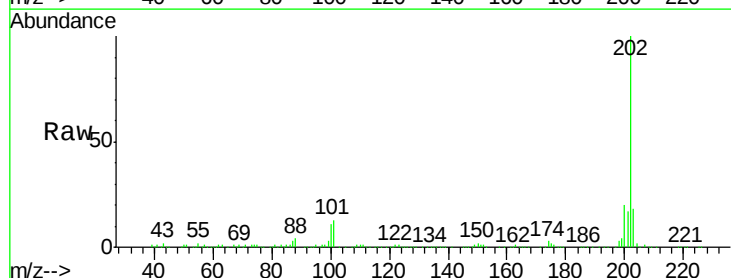
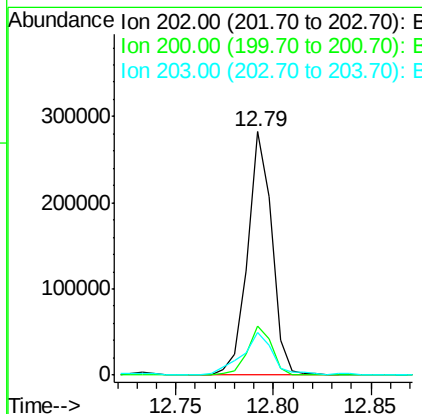
RT: 12.79 min Scan# 1854

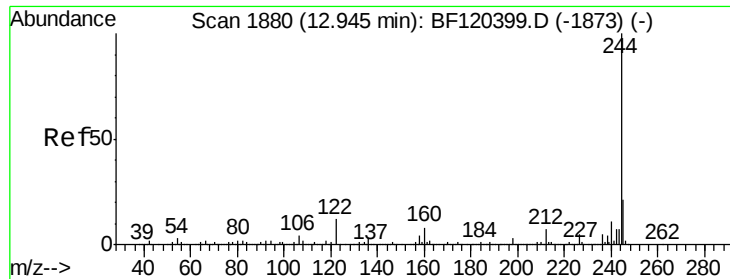
Delta R.T. -0.01 min

Lab File: BF120539.D

Acq: 4 Jun 2020 17:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.6
203	17.5	14.2	21.2





#79

Terphenyl-d14

Concen: 61.401 ng

RT: 12.94 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BF120539.D

Acq: 4 Jun 2020 17:52

Instrument :

BNA_F

ClientSampleId :

NM12-COMP-2020-0-6

Tot Ion:244 Resp: 1236945

Ion Ratio Lower Upper

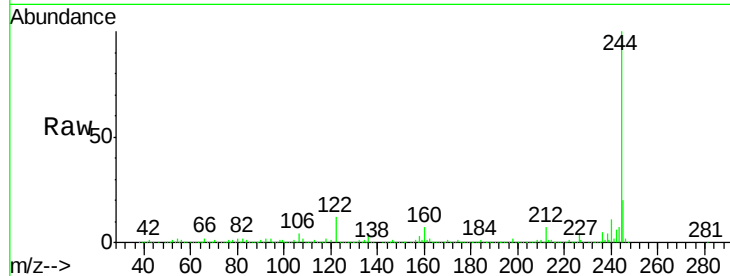
244 100

212 6.9 5.7 8.5

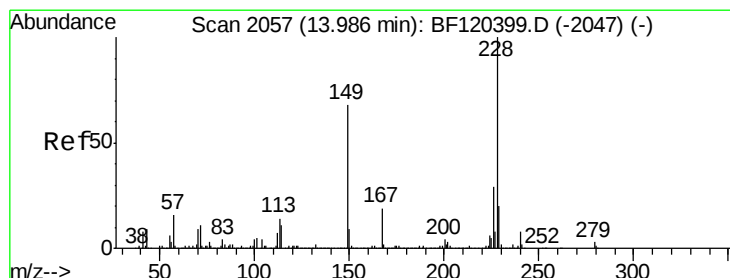
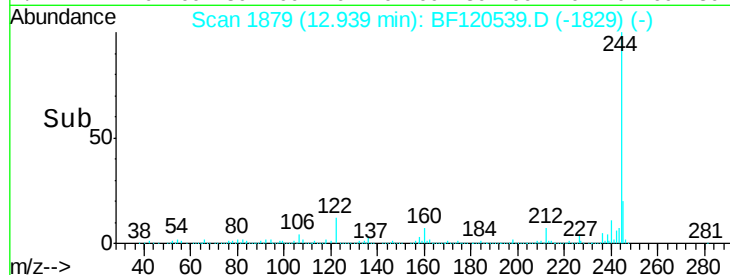
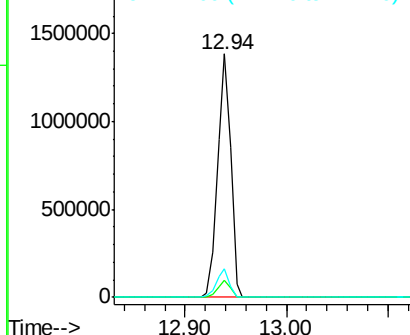
122 11.6 8.0 12.0

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 5.612 ng

RT: 13.98 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF120539.D

Acq: 4 Jun 2020 17:52

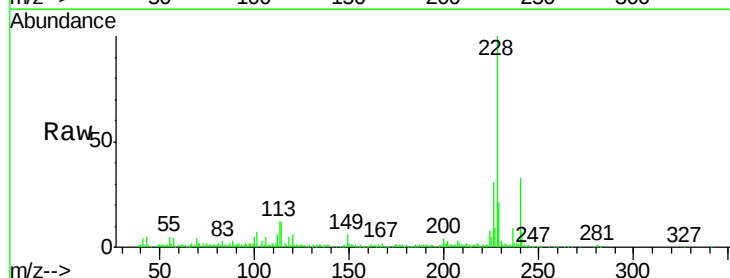
Tgt Ion:228 Resp: 134823

Ion Ratio Lower Upper

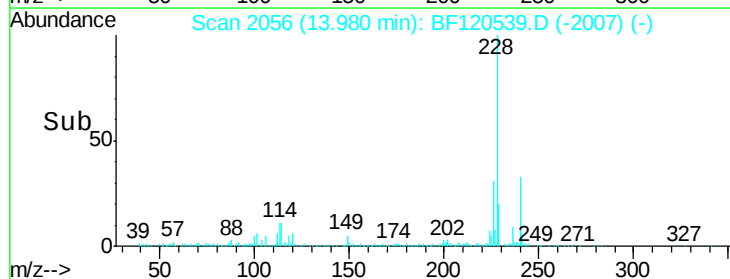
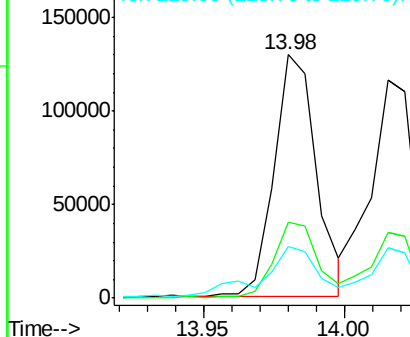
228 100

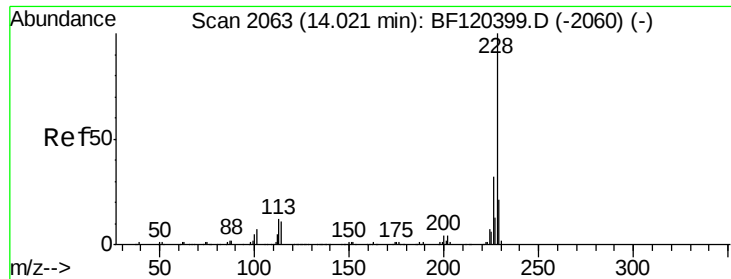
226 31.4 22.4 33.6

229 21.1 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





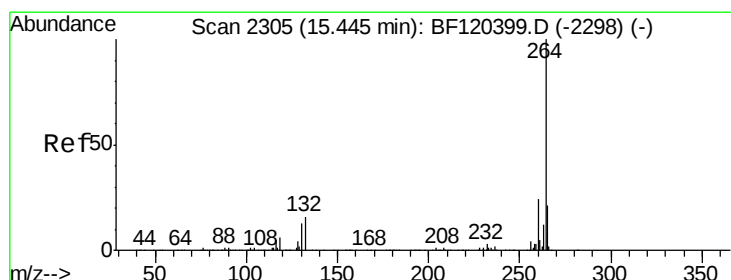
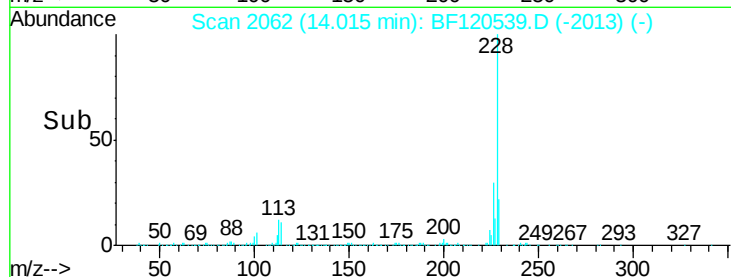
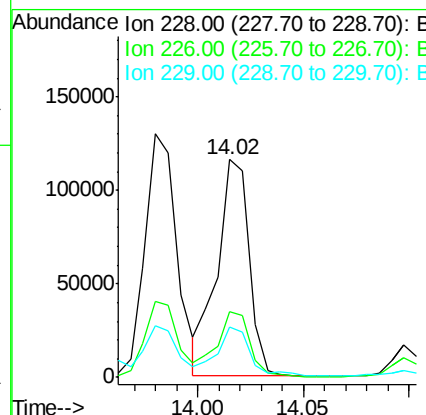
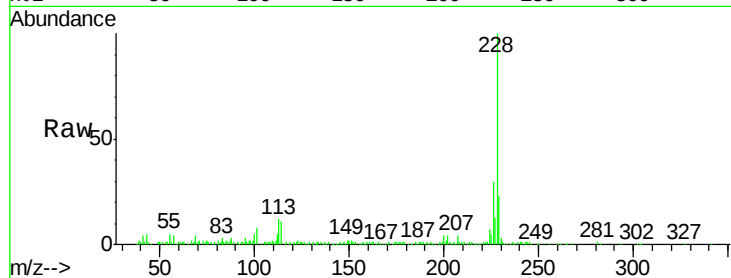
#83
Chrysene
Concen: 4.844 ng
RT: 14.02 min Scan# 2062
Delta R.T. -0.01 min
Lab File: BF120539.D
Acq: 4 Jun 2020 17:52

Instrument :
BNA_F
ClientSampleId :
NM12-COMP-2020-0-6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.1	25.6	38.4		
229	23.4	16.2	24.2		

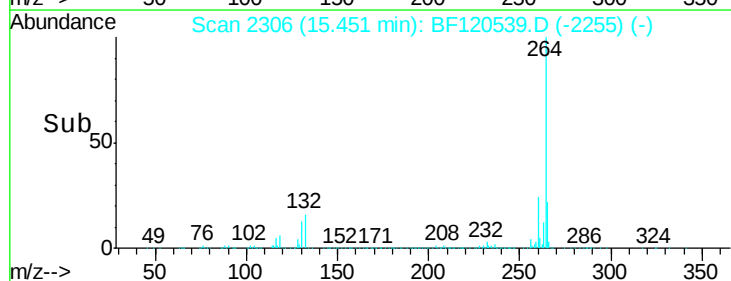
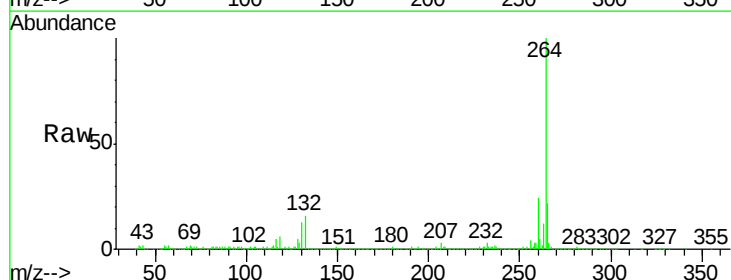
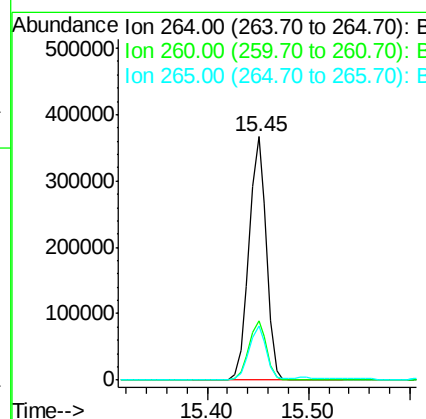
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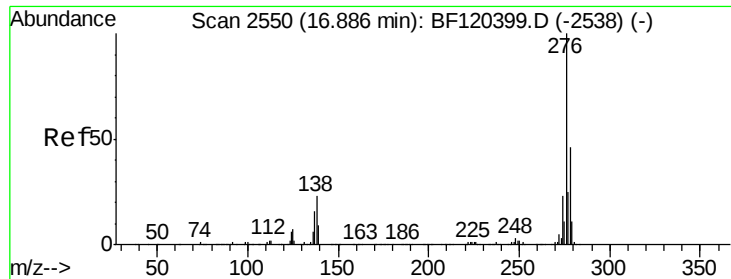
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BF120539.D
Acq: 4 Jun 2020 17:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	24.3	19.5	29.3		
265	22.4	17.5	26.3		





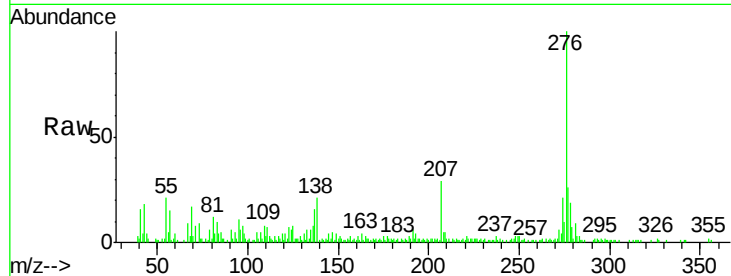
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.013 ng
 RT: 16.89 min Scan# 2551
 Delta R.T. -0.01 min
 Lab File: BF120539.D
 Acq: 4 Jun 2020 17:52

Instrument :
 BNA_F
 ClientSampleId :
 NM12-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.5	19.2	28.8
277	24.7	20.3	30.5

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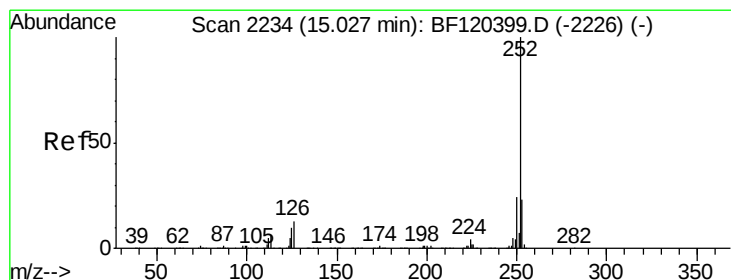
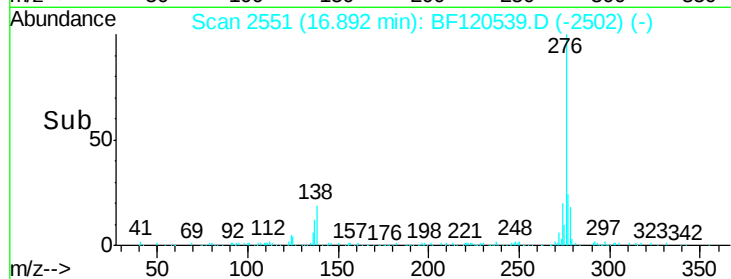
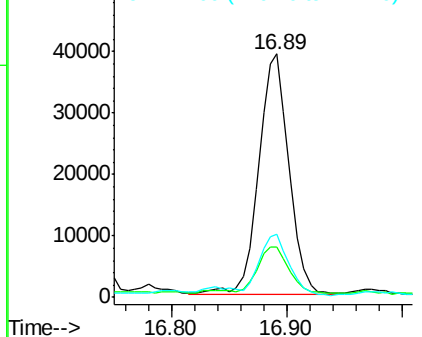


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88
 Benzo(b)fluoranthene
 Concen: 7.865 ng m
 RT: 15.03 min Scan# 2234
 Delta R.T. -0.01 min
 Lab File: BF120539.D
 Acq: 4 Jun 2020 17:52

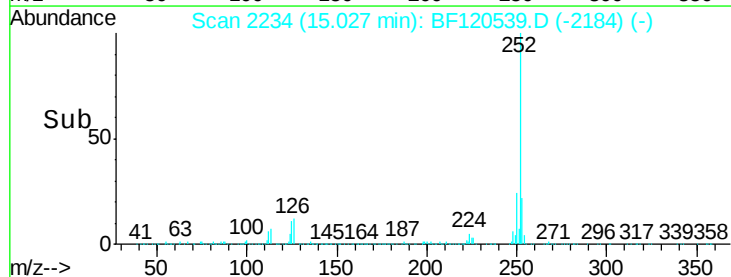
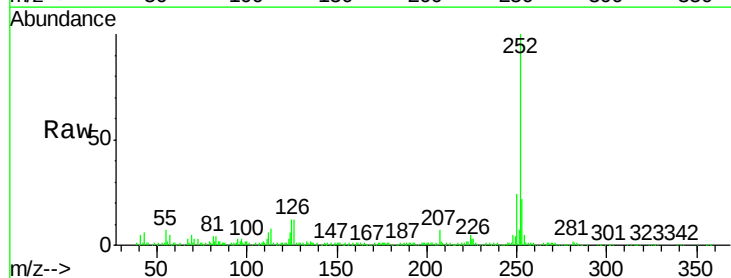
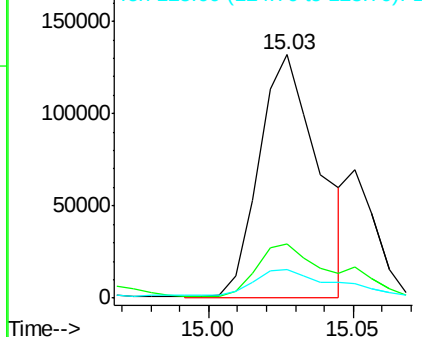
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	11.5	8.3	12.5

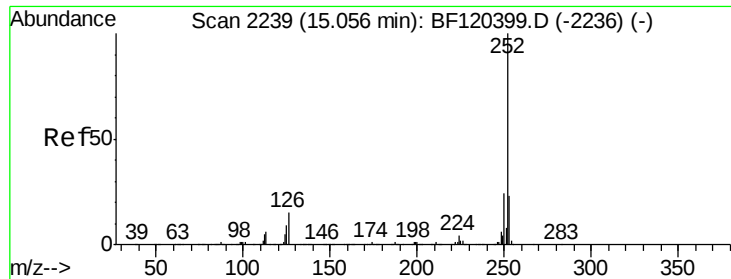
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.143 ng

RT: 15.05 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BF120539.D

Acq: 4 Jun 2020 17:52

Instrument :

BNA_F

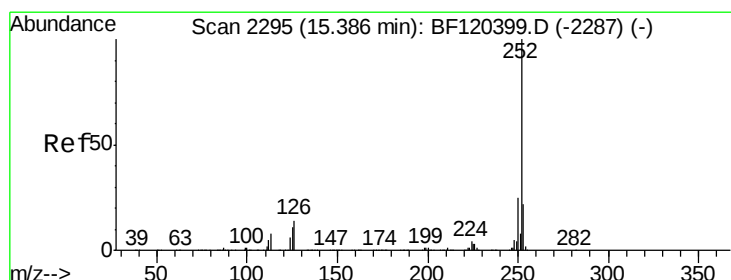
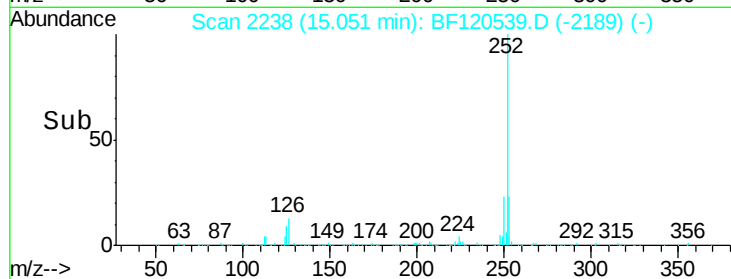
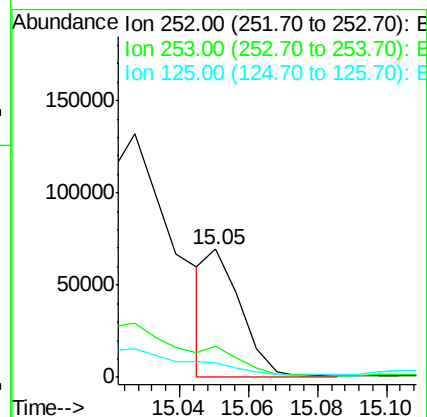
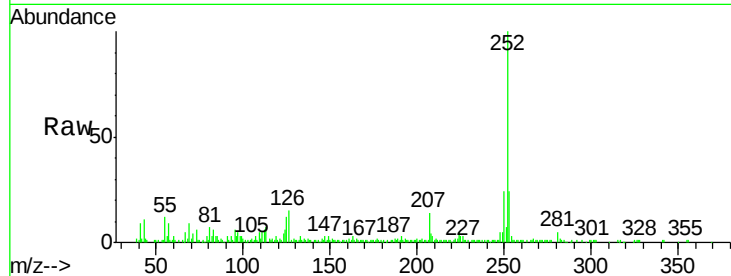
ClientSampleId :

NM12-COMP-2020-0-6

Tot Ion:	252	Resp:	48406
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.4	27.6
125	11.5	8.6	13.0

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#90

Benzo(a)pyrene

Concen: 5.587 ng

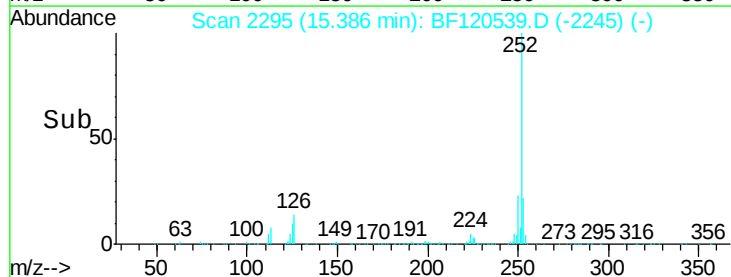
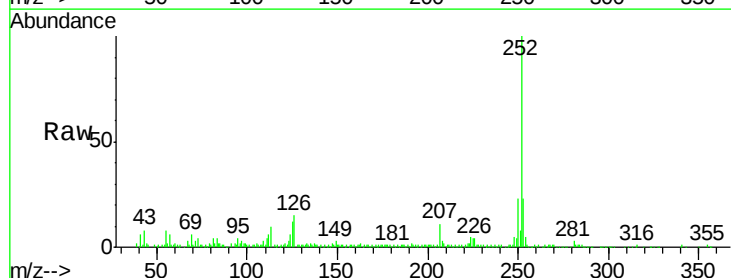
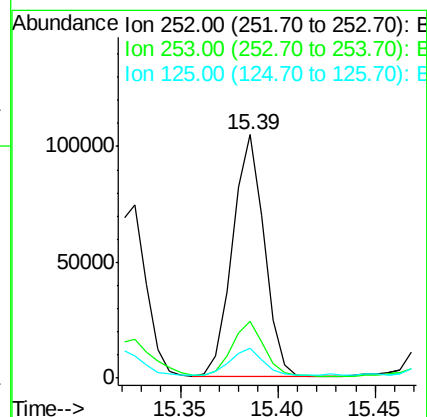
RT: 15.39 min Scan# 2295

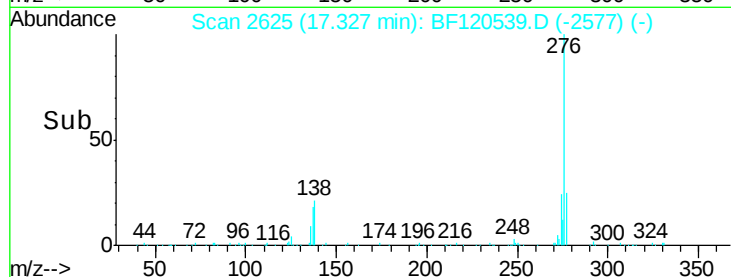
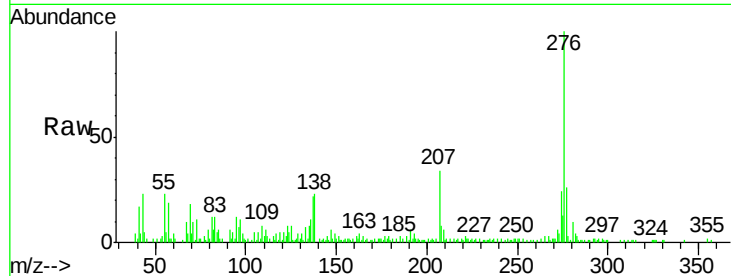
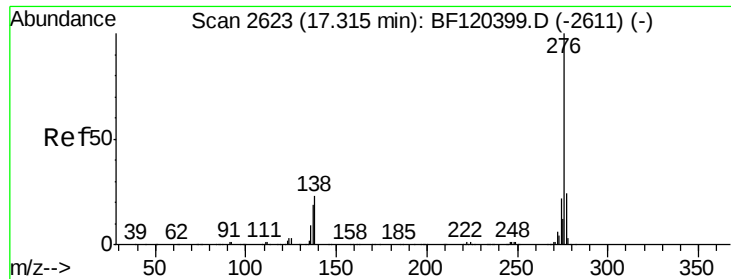
Delta R.T. -0.01 min

Lab File: BF120539.D

Acq: 4 Jun 2020 17:52

Tgt Ion:	252	Resp:	118269
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.2	27.2
125	12.0	9.6	14.4





#92
 Benzo(a,h,i)perylene
 Concen: 3.431 ng
 RT: 17.33 min Scan# 2625
 Delta R.T. -0.02 min
 Lab File: BF120539.D
 Acq: 4 Jun 2020 17:52

Instrument :
 BNA_F
 ClientSampleId :
 NM12-COMP-2020-0-6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	26.2	19.3	28.9		
138	22.6	16.9	25.3		

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