

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120537.D
 Acq On : 4 Jun 2020 16:56
 Operator : JU/CG
 Sample : L2839-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM27-COMP-2020-0-6

Quant Time: Jun 04 18:52:48 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	184076	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	695261	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	349131	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	616742	20.00	ng	0.00
76) Chrysene-d12	13.99	240	433387	20.00	ng	-0.01
86) Perylene-d12	15.45	264	378895	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	983671	101.84	ng	0.00
7) Phenol-d6	6.46	99	1182164	99.30	ng	0.00
23) Nitrobenzene-d5	7.39	82	771700	72.60	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	329063	101.72	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1393018	67.70	ng	0.00
79) Terphenyl-d14	12.94	244	1339767	68.79	ng	0.00

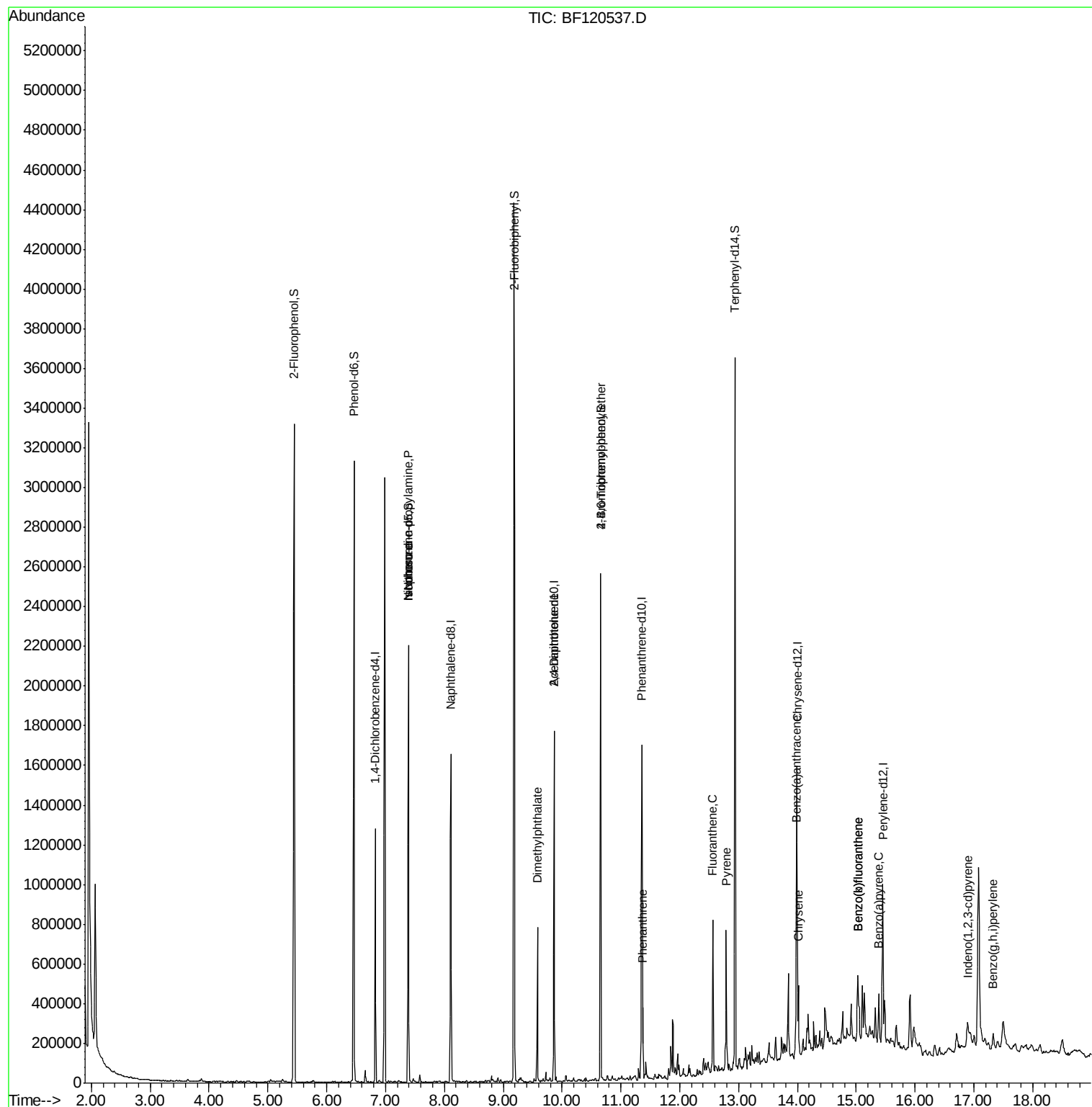
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	101939	13.470	ng	# 77
25) Isophorone	7.39	82	768567	35.978	ng	# 63
50) Dimethylphthalate	9.58	163	304014	13.929	ng	99
57) 2,4-Dinitrotoluene	9.86	165	44922	7.236	ng	# 24
67) 4-Bromophenyl-phenylether	10.66	248	19306	3.101	ng	# 1
71) Phenanthrene	11.37	178	112661	4.146	ng	98
75) Fluoranthene	12.56	202	293794	10.047	ng	98
78) Pyrene	12.79	202	290416	9.636	ng	99
81) Benzo(a)anthracene	13.98	228	155005	6.673	ng	99
83) Chrysene	14.02	228	142147	5.837	ng	96
87) Indeno(1,2,3-cd)pyrene	16.89	276	68368	3.299	ng	96
88) Benzo(b)fluoranthene	15.03	252	241294	11.466	ng	98
89) Benzo(k)fluoranthene	15.03	252	241275	12.281	ng	98
90) Benzo(a)pyrene	15.39	252	117291	6.372	ng	99
92) Benzo(a,h,i)perylene	17.33	276	63973	3.839	ng	99

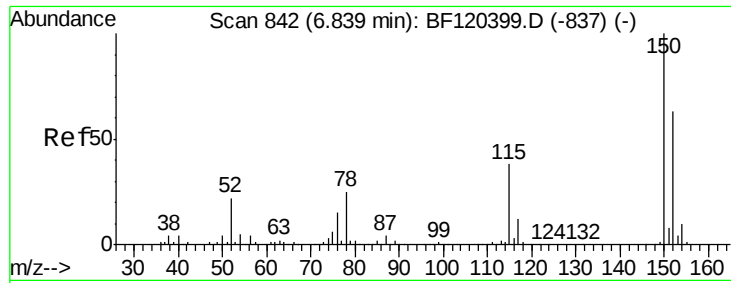
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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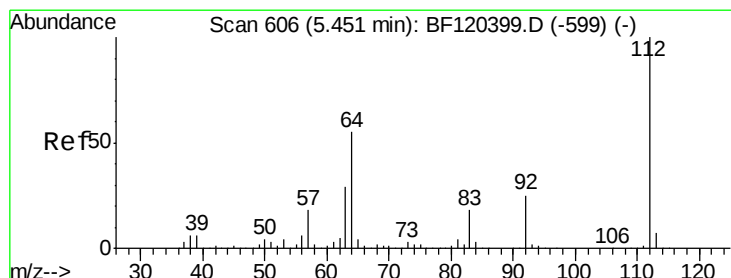
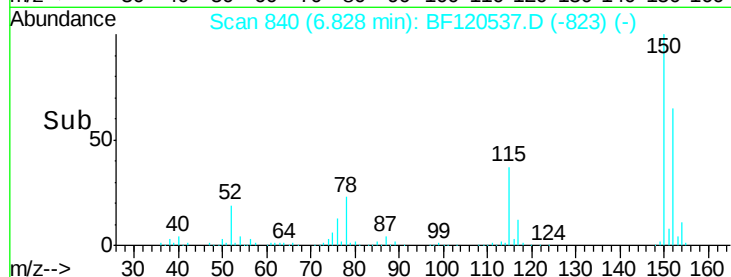
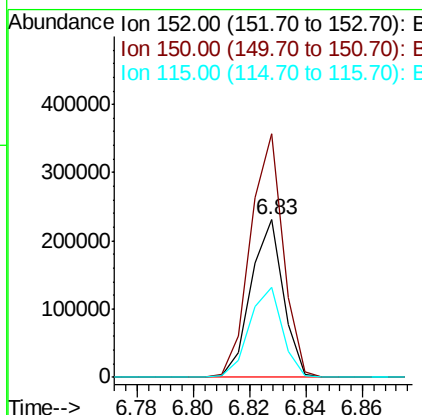
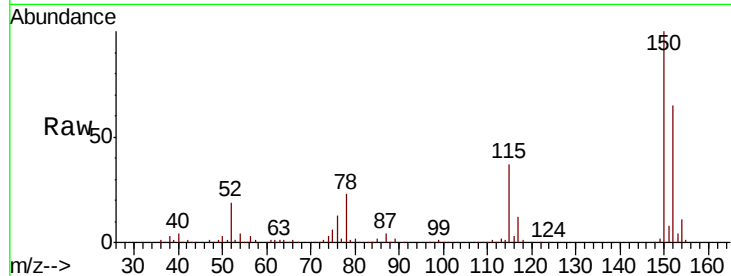




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BF120537.D
 Acq: 4 Jun 2020 16:56

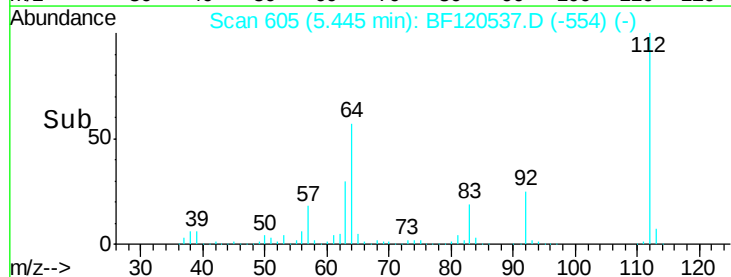
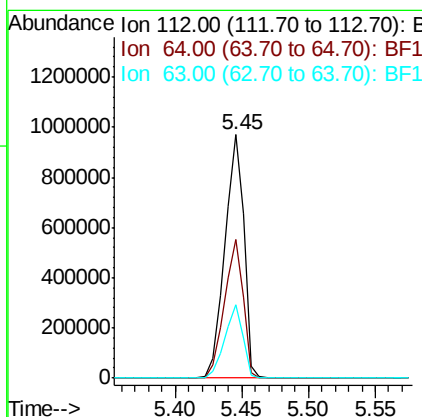
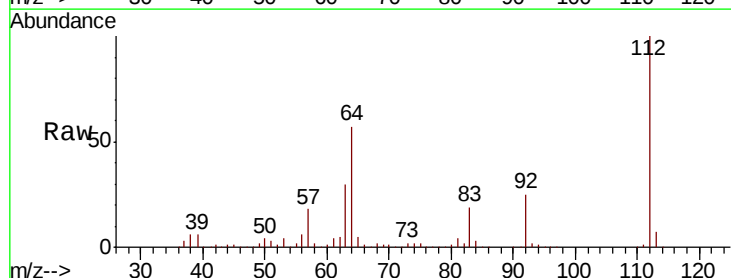
Instrument :
 BNA_F
 ClientSampleId :
 NM27-COMP-2020-0-6

Tot Ion:152 Resp: 184076
 Ion Ratio Lower Upper
 152 100
 150 154.4 126.3 189.5
 115 57.2 48.1 72.1



#5
 2-Fluorophenol
 Concen: 101.840 ng
 RT: 5.45 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: BF120537.D
 Acq: 4 Jun 2020 16:56

Tgt Ion:112 Resp: 983671
 Ion Ratio Lower Upper
 112 100
 64 57.0 47.2 70.8
 63 30.0 24.7 37.1





#7

Phenol-d6

Concen: 99.296 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120537.D

Acq: 4 Jun 2020 16:56

Instrument :

BNA_F

ClientSampleId :

NM27-COMP-2020-0-6

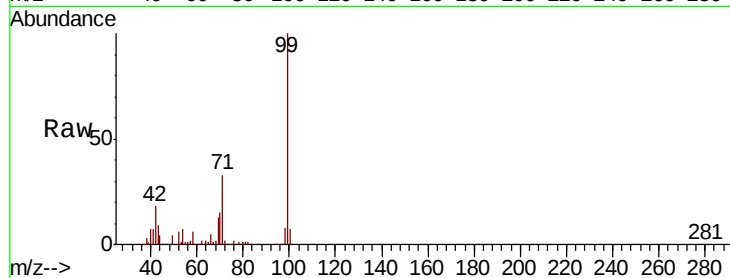
Tot Ion: 99 Resp: 1182164

Ion Ratio Lower Upper

99 100

42 18.4 15.0 22.6

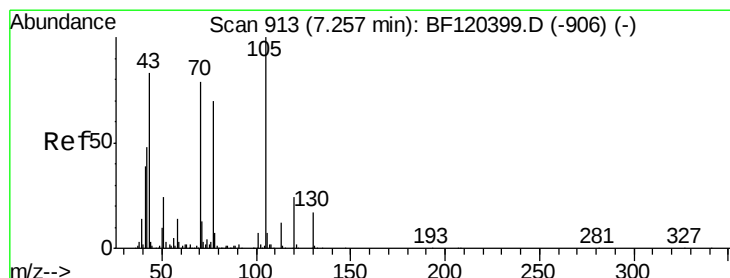
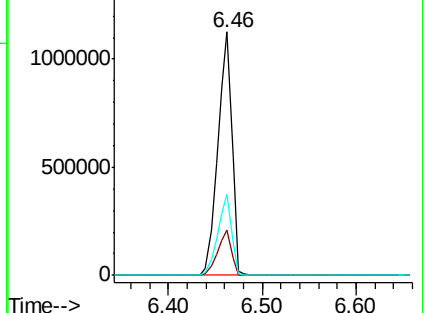
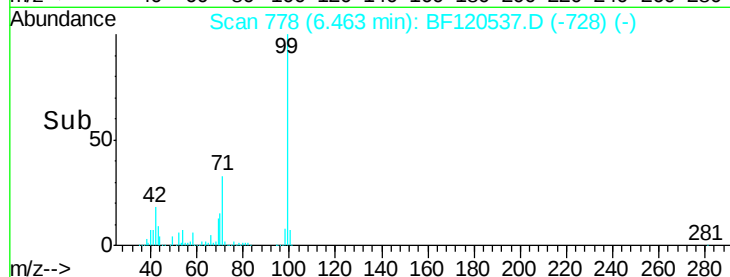
71 33.4 27.0 40.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.470 ng

RT: 7.39 min Scan# 936

Delta R.T. 0.14 min

Lab File: BF120537.D

Acq: 4 Jun 2020 16:56

Tgt Ion: 70 Resp: 101939

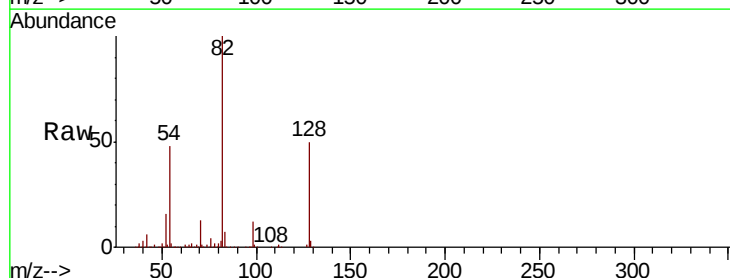
Ion Ratio Lower Upper

70 100

42 47.0 47.0 70.4

101 0.0 7.8 11.8#

130 2.6 17.9 26.9#

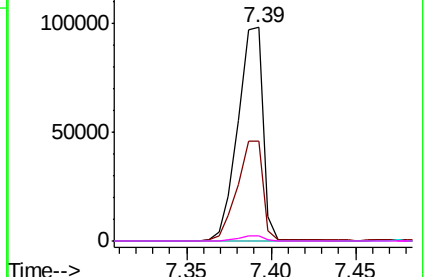
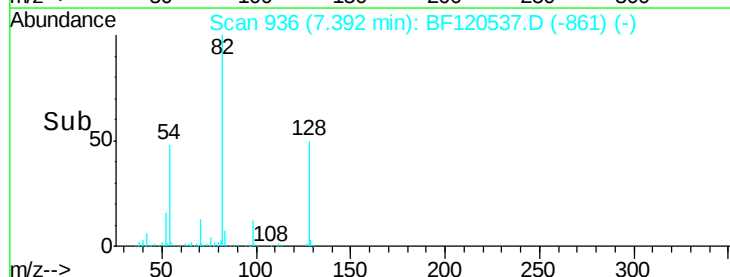


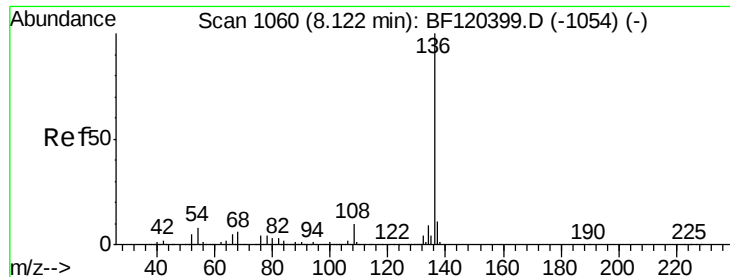
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF120537.D

Acq: 4 Jun 2020 16:56

Instrument :

BNA_F

ClientSampleId :

NM27-COMP-2020-0-6

Tot Ion:136 Resp: 695261

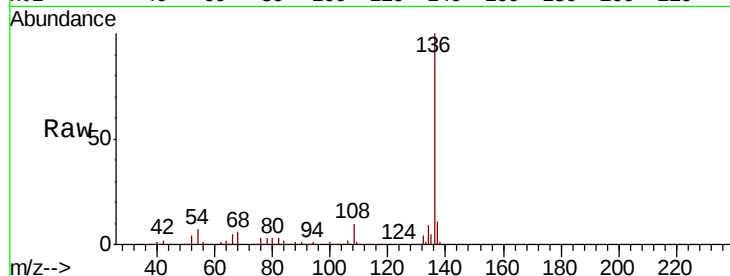
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.2 5.4 8.0

68 5.6 4.3 6.5

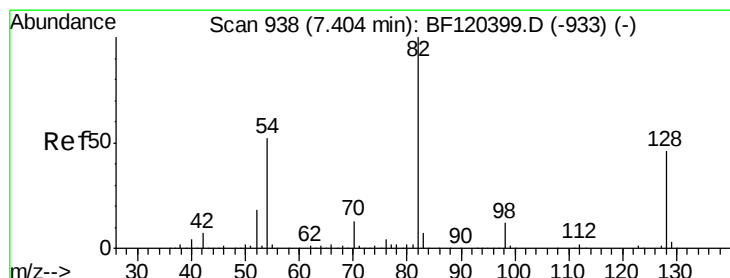
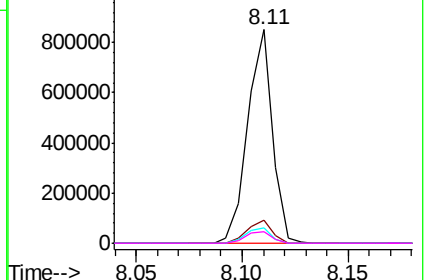
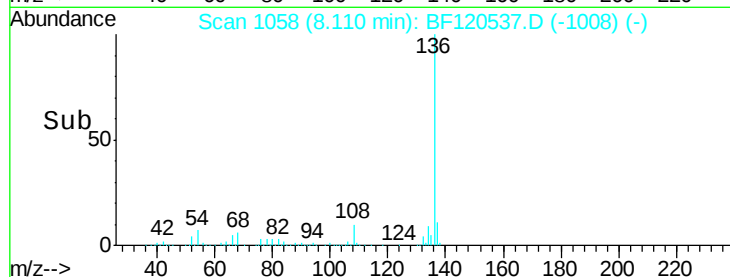


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.605 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF120537.D

Acq: 4 Jun 2020 16:56

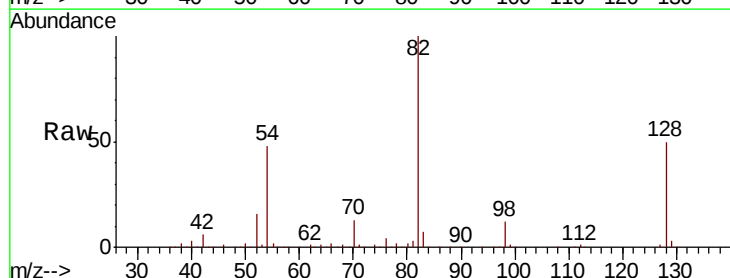
Tgt Ion: 82 Resp: 771700

Ion Ratio Lower Upper

82 100

128 49.5 36.7 55.1

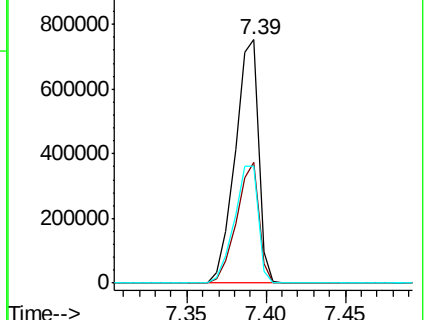
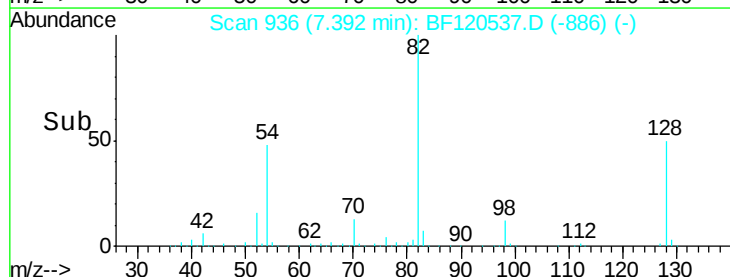
54 48.2 40.0 60.0



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





#25

Isophorone

Concen: 35.978 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.26 min

Lab File: BF120537.D

Acq: 4 Jun 2020 16:56

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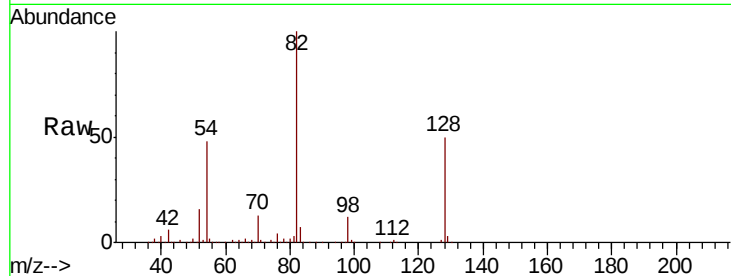
Tot Ion: 82 Resp: 768567

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

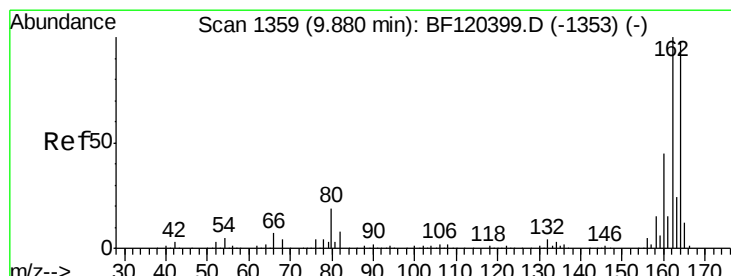
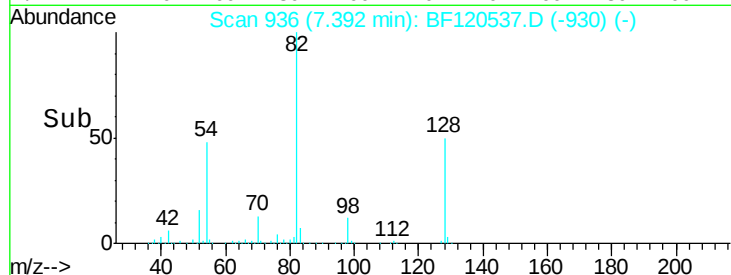
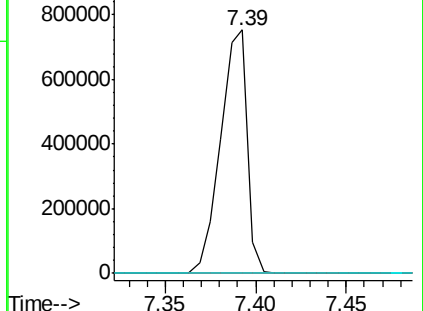
138 0.0 15.6 23.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BF120537.D

Acq: 4 Jun 2020 16:56

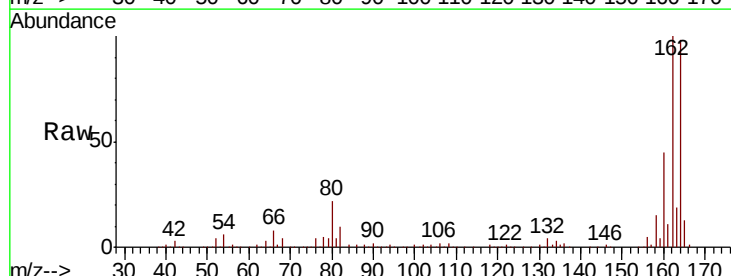
Tgt Ion: 164 Resp: 349131

Ion Ratio Lower Upper

164 100

162 102.3 81.2 121.8

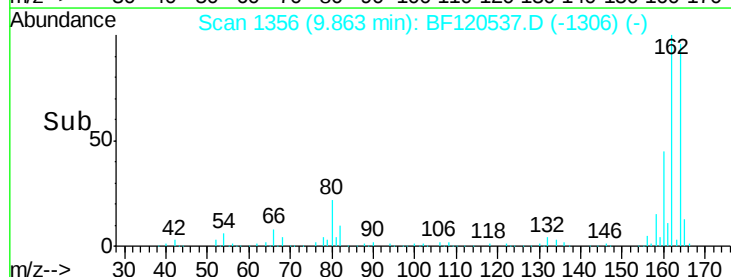
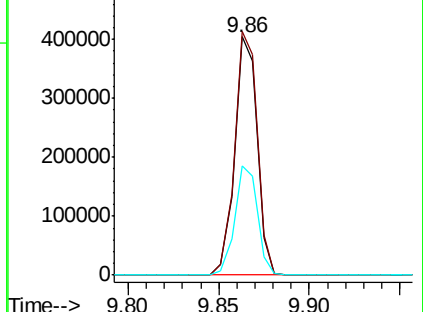
160 46.1 37.0 55.4

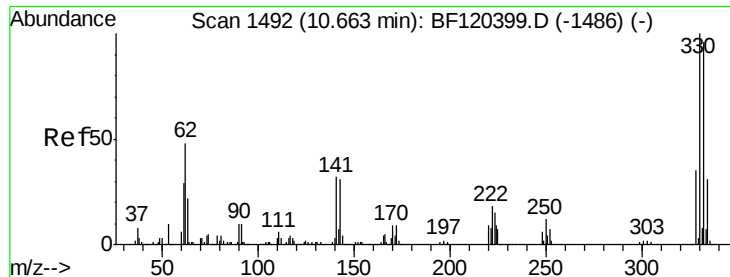


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

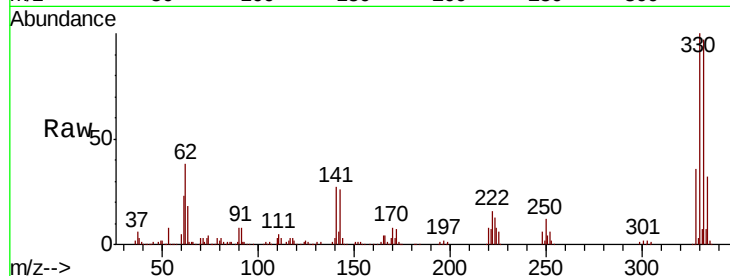




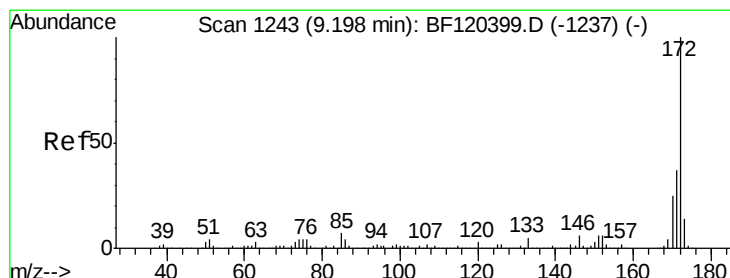
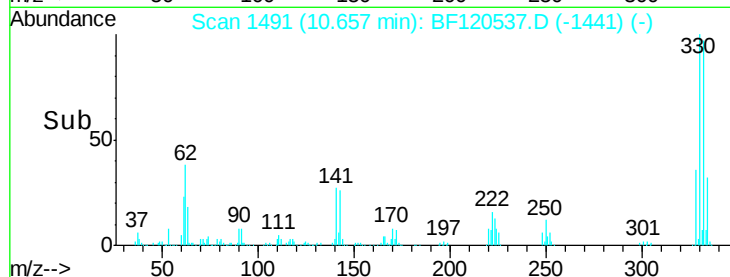
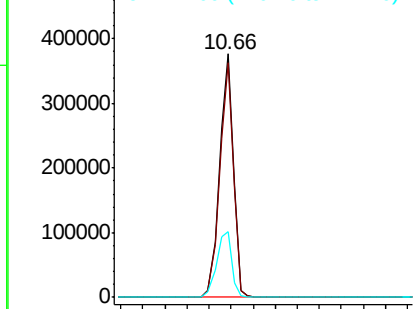
#42
 2,4,6-Tribromophenol
 Concen: 101.724 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120537.D
 Acq: 4 Jun 2020 16:56

Instrument :
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Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.4
141	29.4	23.8	35.8

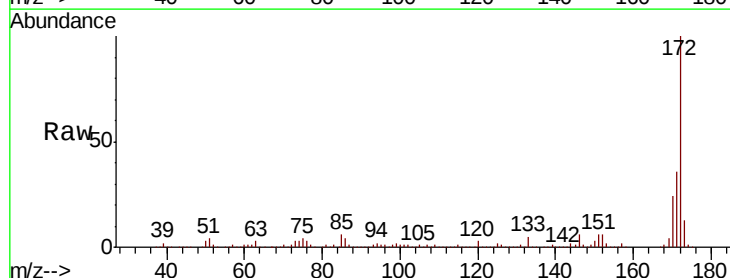


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

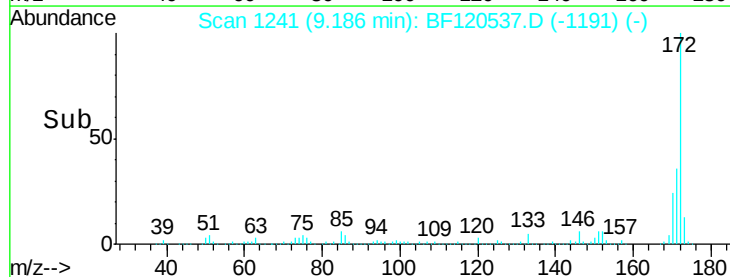
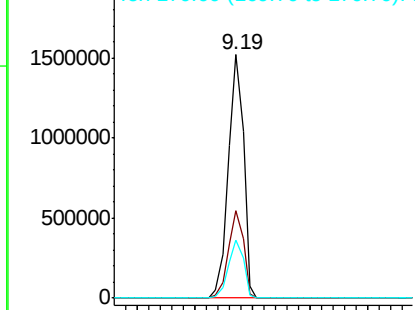


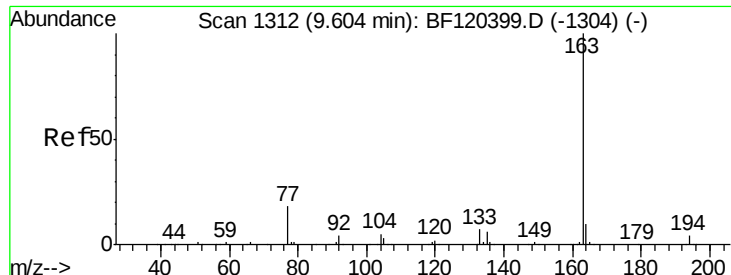
#45
 2-Fluorobiphenyl
 Concen: 67.697 ng
 RT: 9.19 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: BF120537.D
 Acq: 4 Jun 2020 16:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.5	44.3
170	24.1	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

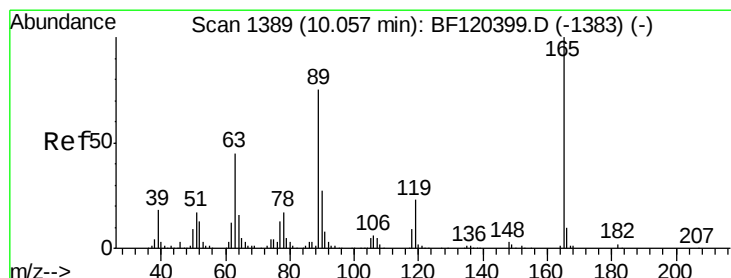
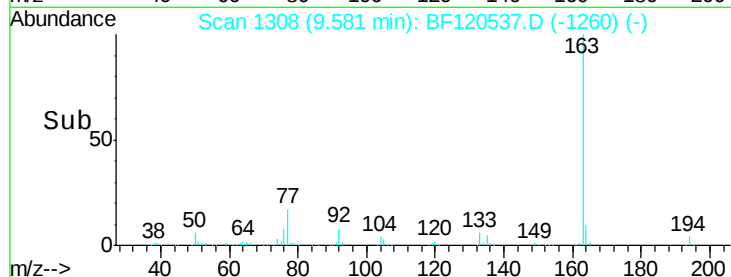
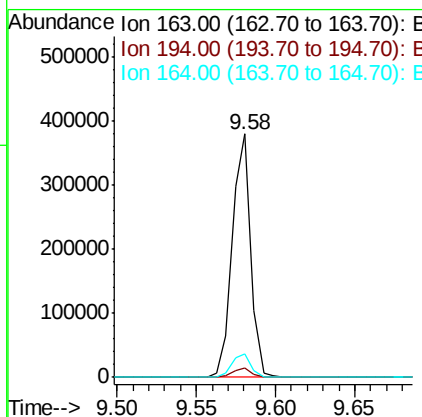
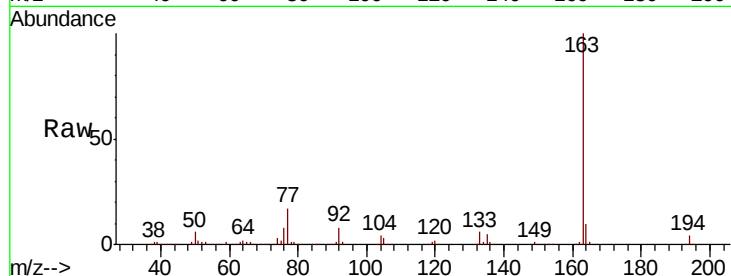




#50
Dimethylphthalate
Concen: 13.929 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120537.D
Acq: 4 Jun 2020 16:56

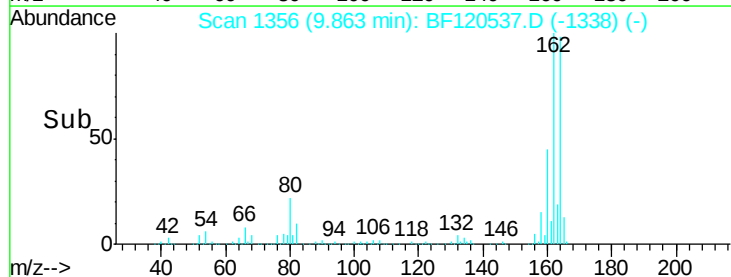
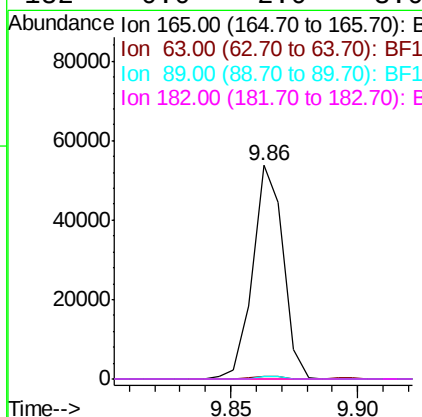
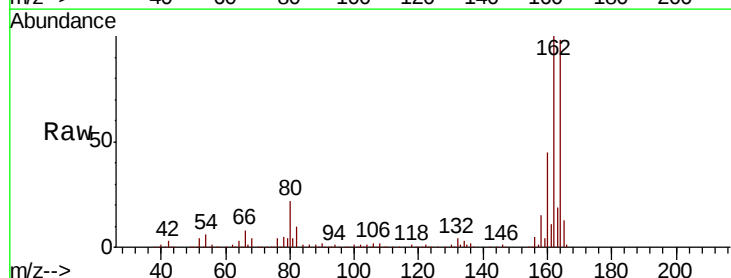
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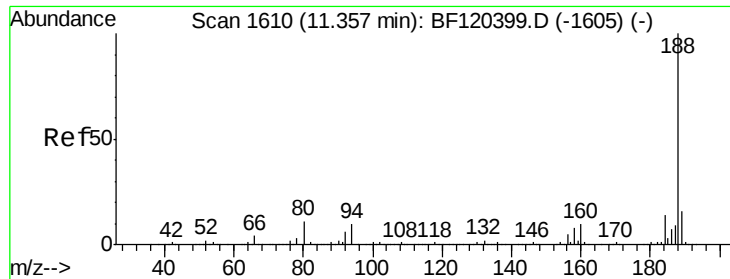
Tot Ion:163 Resp: 304014
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 9.7 8.0 12.0



#57
2,4-Dinitrotoluene
Concen: 7.236 ng
RT: 9.86 min Scan# 1356
Delta R.T. -0.19 min
Lab File: BF120537.D
Acq: 4 Jun 2020 16:56

Tgt Ion:165 Resp: 44922
Ion Ratio Lower Upper
165 100
63 1.0 34.1 51.1#
89 1.0 56.2 84.4#
182 0.0 2.0 3.0#

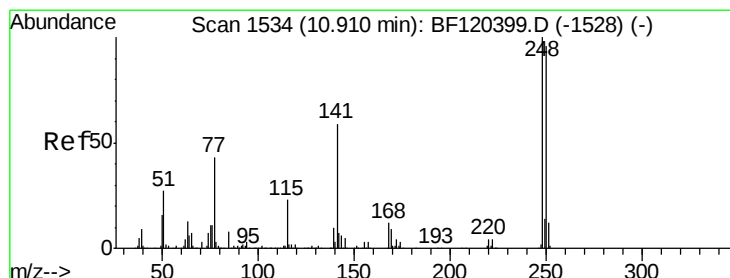
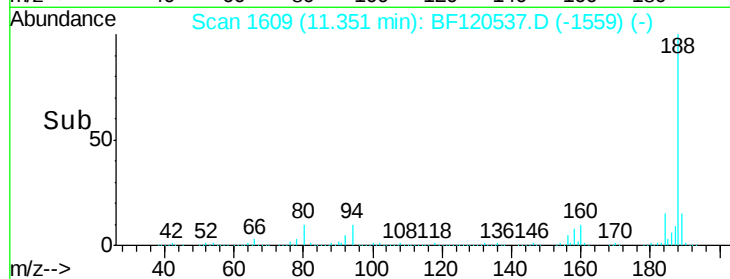
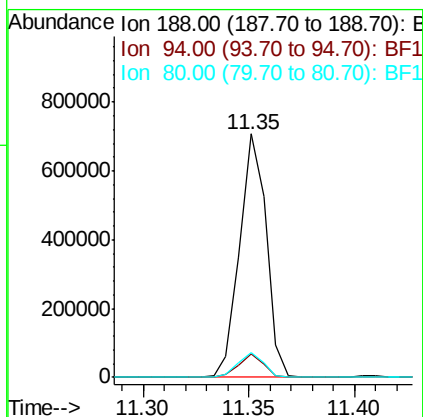
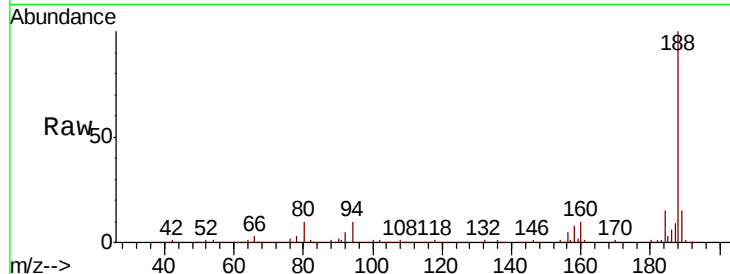




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1609
 Delta R.T. -0.01 min
 Lab File: BF120537.D
 Acq: 4 Jun 2020 16:56

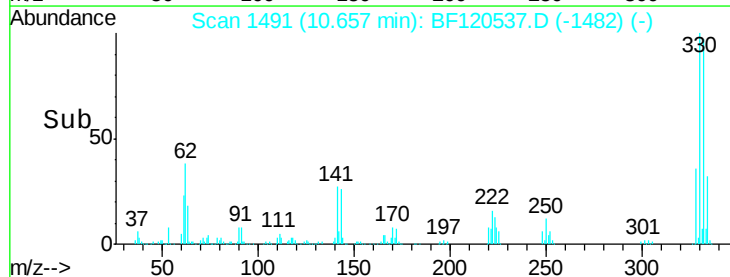
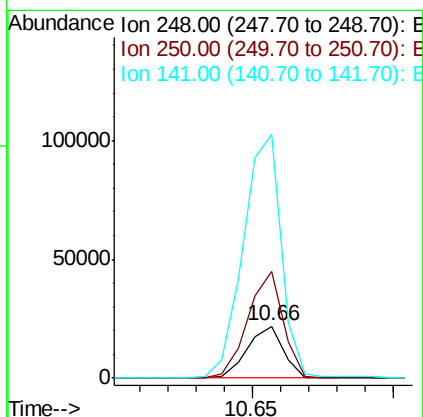
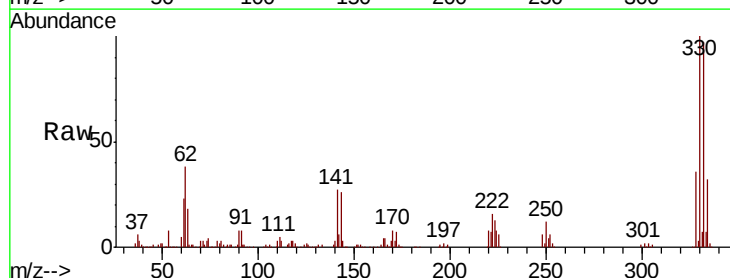
Instrument :
 BNA_F
 ClientSampleId :
 NM27-COMP-2020-0-6

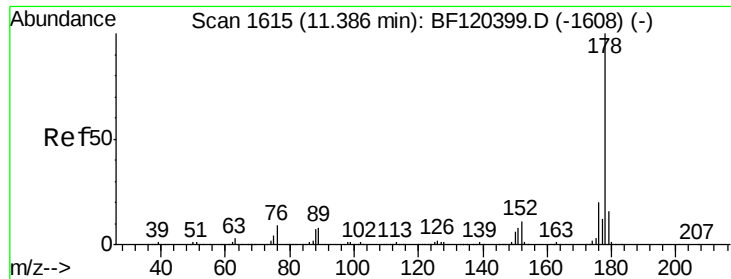
Tot Ion:188 Resp: 616742
 Ion Ratio Lower Upper
 188 100
 94 9.6 7.4 11.2
 80 10.0 7.6 11.4



#67
 4-Bromophenyl-phenylether
 Concen: 3.101 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.25 min
 Lab File: BF120537.D
 Acq: 4 Jun 2020 16:56

Tgt Ion:248 Resp: 19306
 Ion Ratio Lower Upper
 248 100
 250 206.4 77.4 116.0#
 141 469.1 46.1 69.1#

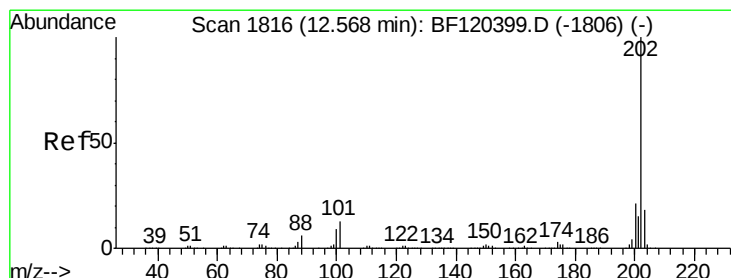
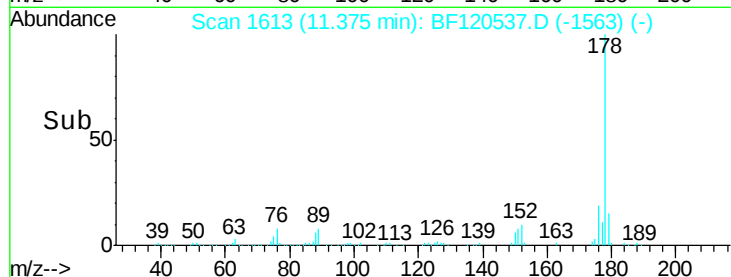
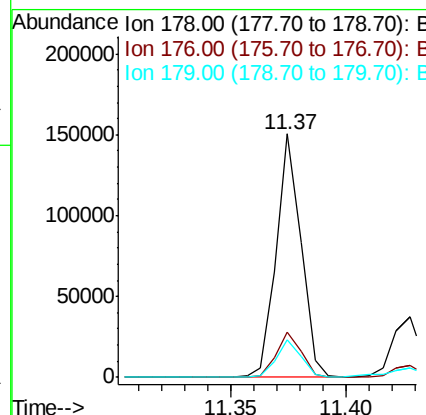
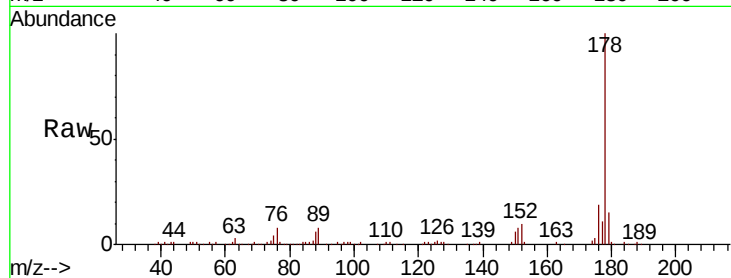




#71
Phenanthrene
Concen: 4.146 ng
RT: 11.37 min Scan# 1613
Delta R.T. -0.01 min
Lab File: BF120537.D
Acq: 4 Jun 2020 16:56

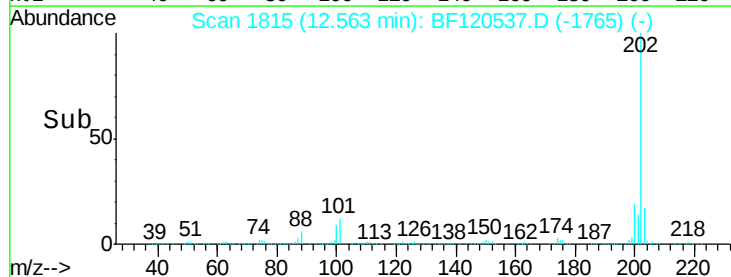
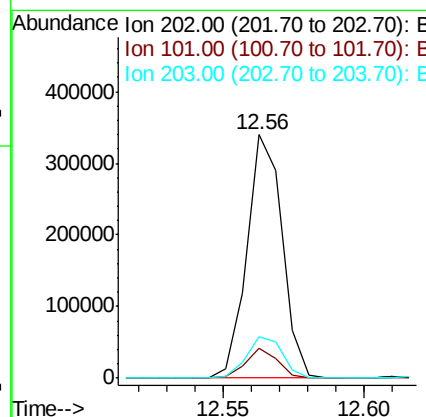
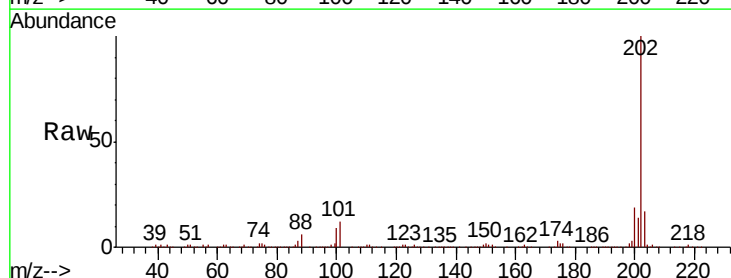
Instrument :
BNA_F
ClientSampleId :
NM27-COMP-2020-0-6

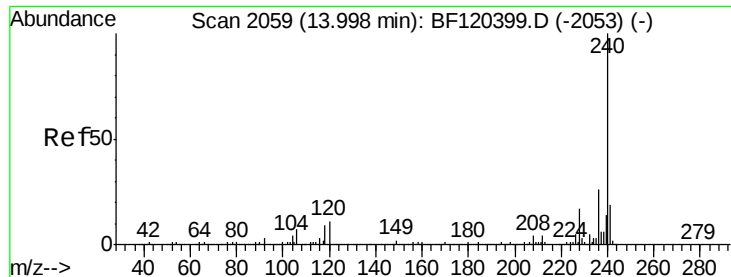
Tot Ion:178 Resp: 112661
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.2
179 15.3 12.8 19.2



#75
Fluoranthene
Concen: 10.047 ng
RT: 12.56 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF120537.D
Acq: 4 Jun 2020 16:56

Tgt Ion:202 Resp: 293794
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.3
203 17.2 0.0 38.4

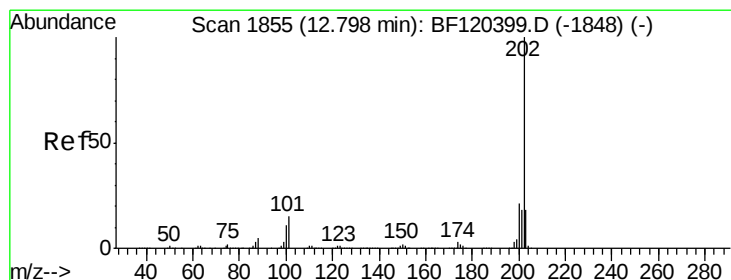
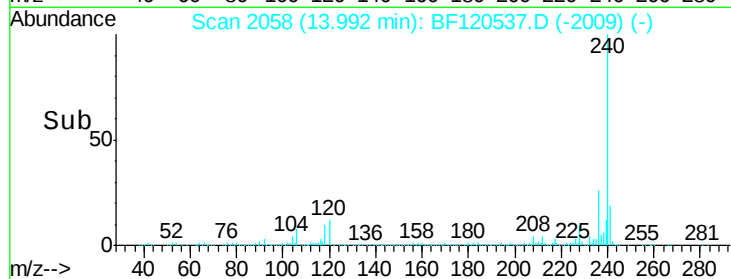
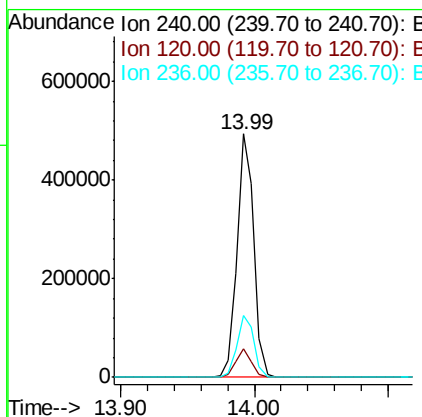
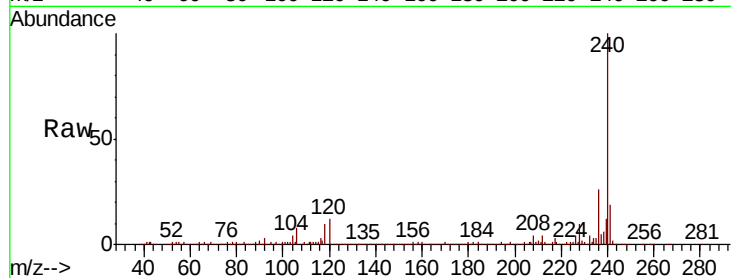




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF120537.D
Acq: 4 Jun 2020 16:56

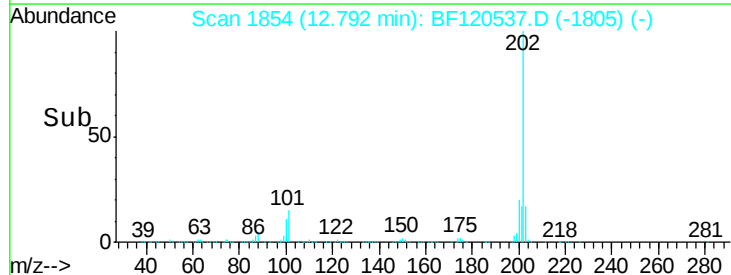
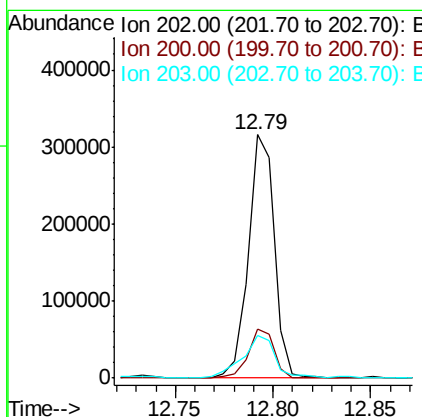
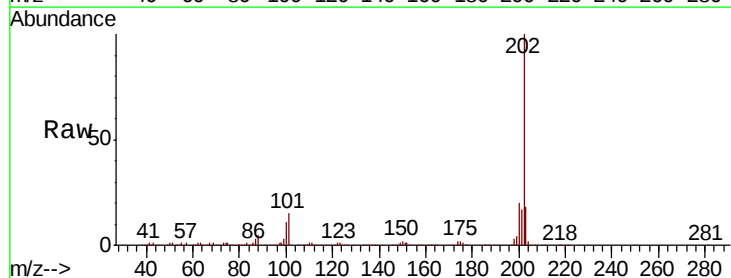
Instrument :
BNA_F
ClientSampleId :
NM27-COMP-2020-0-6

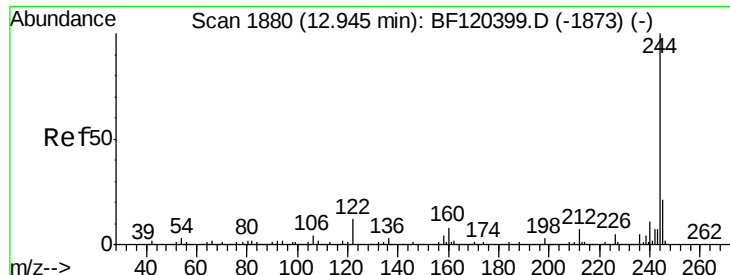
Tot Ion:240 Resp: 433387
Ion Ratio Lower Upper
240 100
120 11.8 7.7 11.5#
236 25.6 20.8 31.2



#78
Pyrene
Concen: 9.636 ng
RT: 12.79 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF120537.D
Acq: 4 Jun 2020 16:56

Tgt Ion:202 Resp: 290416
Ion Ratio Lower Upper
202 100
200 20.1 17.0 25.6
203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 68.791 ng

RT: 12.94 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BF120537.D

Acq: 4 Jun 2020 16:56

Instrument :

BNA_F

ClientSampleId :

NM27-COMP-2020-0-6

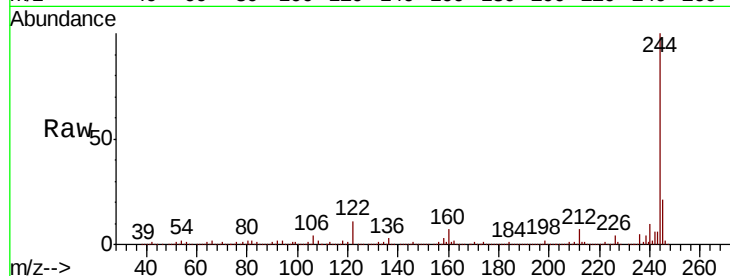
Tot Ion:244 Resp: 1339767

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

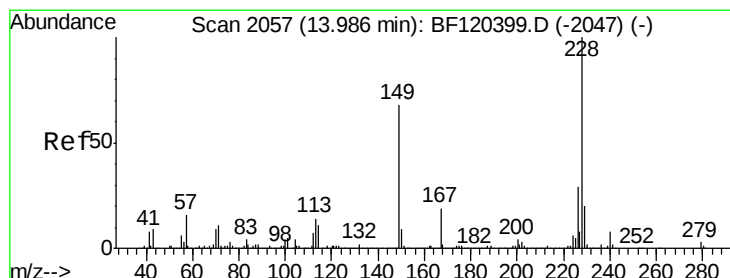
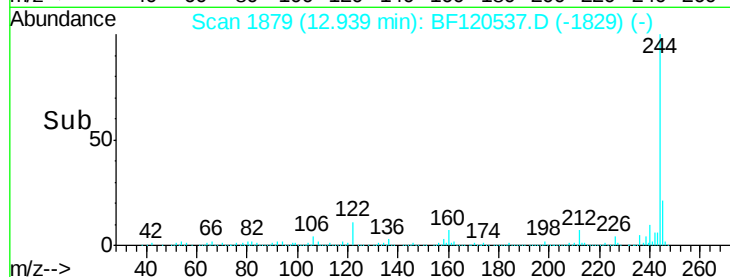
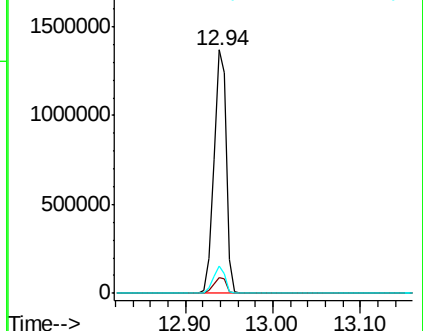
122 11.4 8.0 12.0



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: 6.673 ng

RT: 13.98 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF120537.D

Acq: 4 Jun 2020 16:56

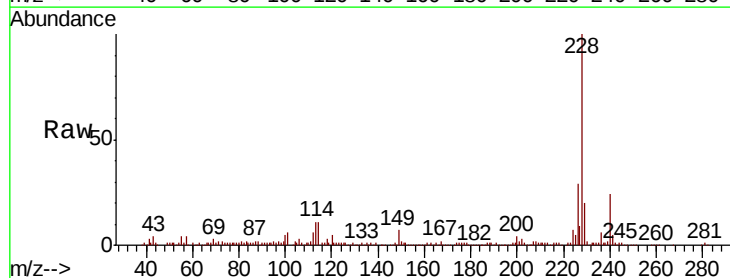
Tgt Ion:228 Resp: 155005

Ion Ratio Lower Upper

228 100

226 29.1 22.4 33.6

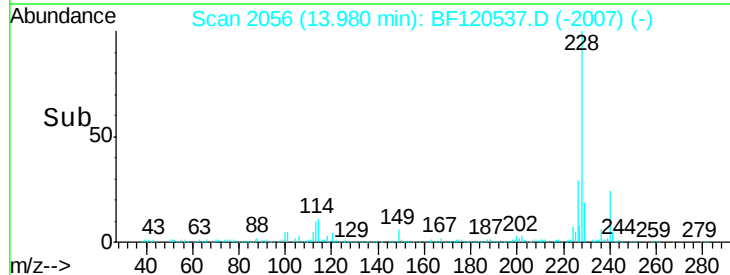
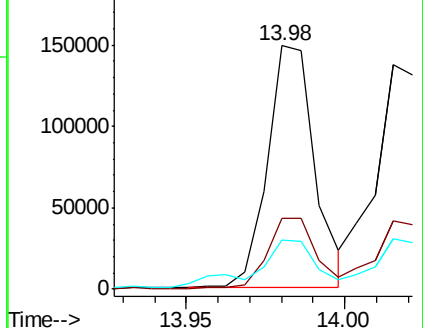
229 20.4 16.2 24.2

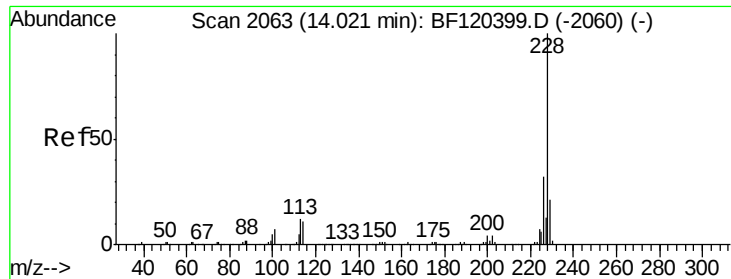


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

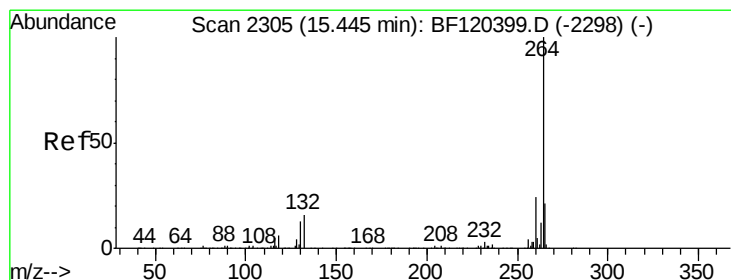
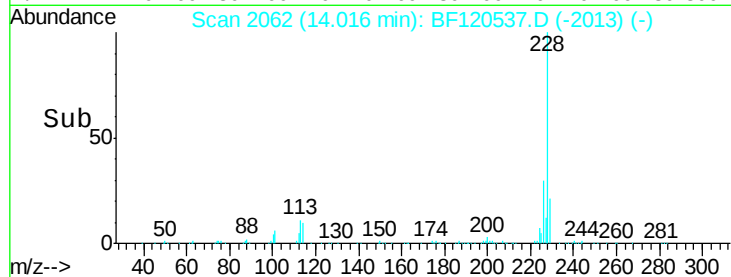
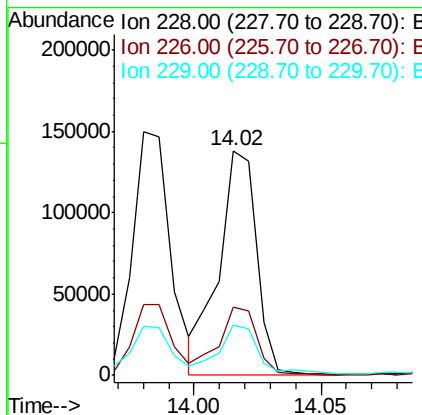
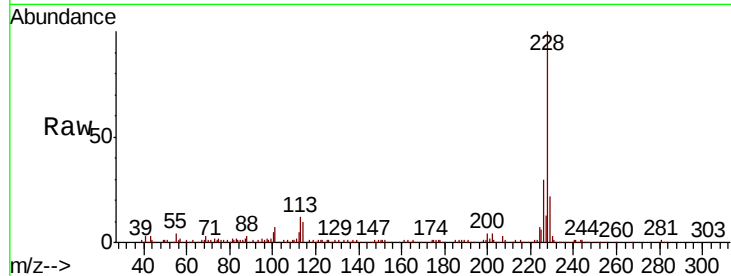




#83
Chrysene
Concen: 5.837 ng
RT: 14.02 min Scan# 2062
Delta R.T. -0.01 min
Lab File: BF120537.D
Acq: 4 Jun 2020 16:56

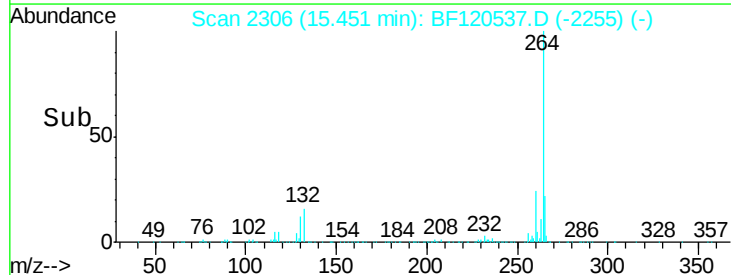
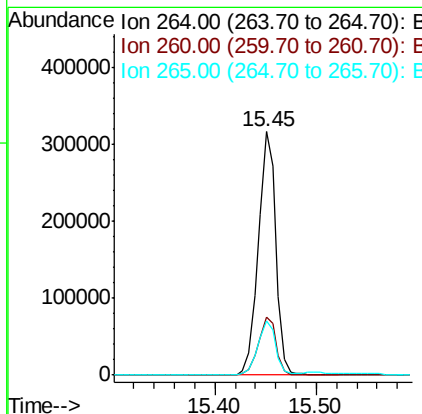
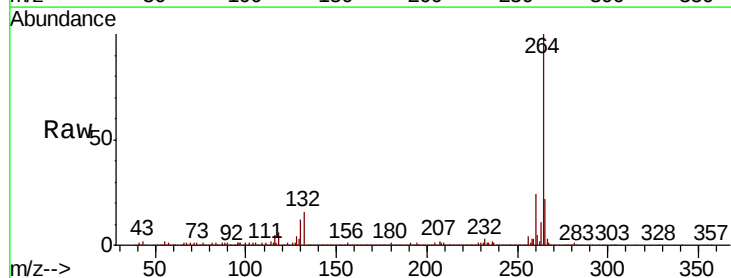
Instrument :
BNA_F
ClientSampleId :
NM27-COMP-2020-0-6

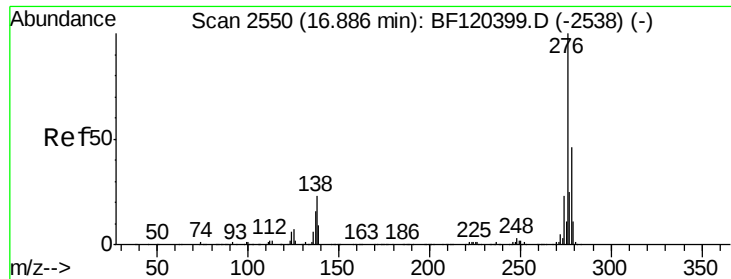
Tot Ion:228 Resp: 142147
Ion Ratio Lower Upper
228 100
226 30.2 25.6 38.4
229 22.3 16.2 24.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BF120537.D
Acq: 4 Jun 2020 16:56

Tgt Ion:264 Resp: 378895
Ion Ratio Lower Upper
264 100
260 23.7 19.5 29.3
265 22.3 17.5 26.3

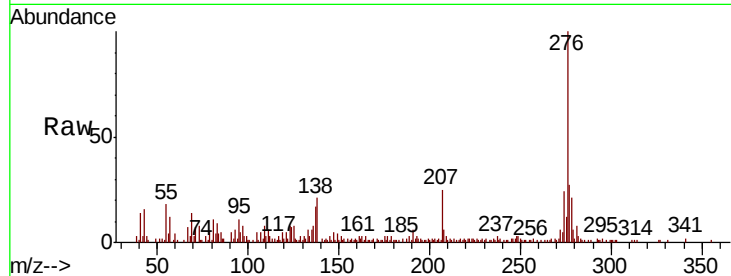




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.299 ng
 RT: 16.89 min Scan# 2551
 Delta R.T. -0.01 min
 Lab File: BF120537.D
 Acq: 4 Jun 2020 16:56

Instrument :
 BNA_F
 ClientSampleId :
 NM27-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.7	19.2	28.8
277	25.2	20.3	30.5

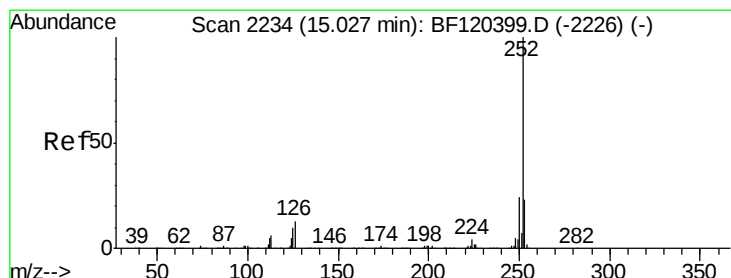
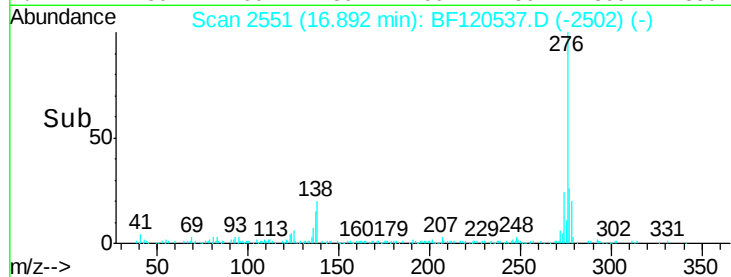
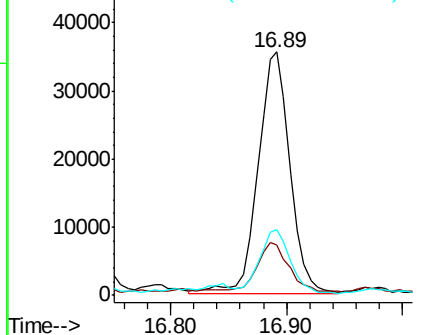


Abundance

Ion 276.00 (275.70 to 276.70): E

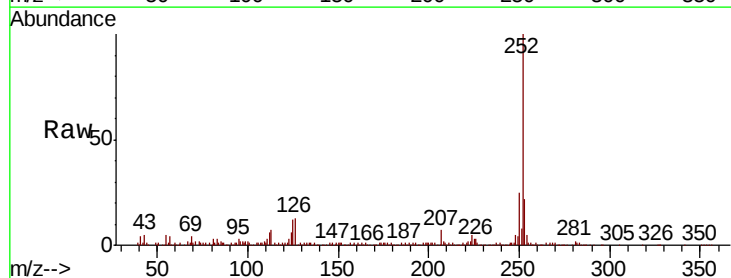
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88
 Benzo(b)fluoranthene
 Concen: 11.466 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. -0.01 min
 Lab File: BF120537.D
 Acq: 4 Jun 2020 16:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	11.6	8.3	12.5

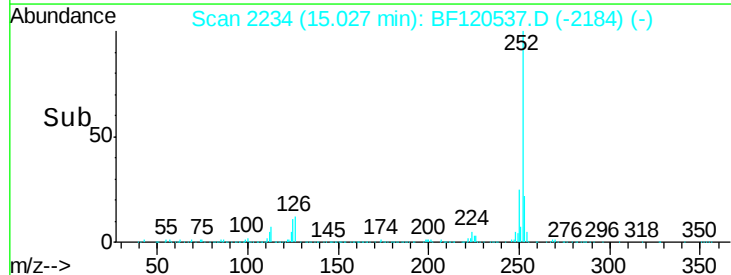
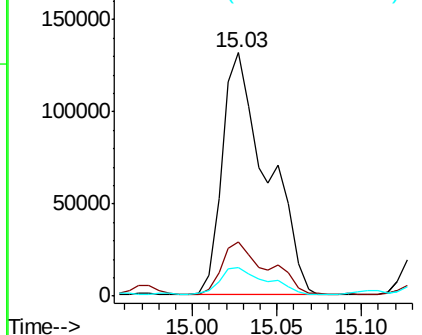


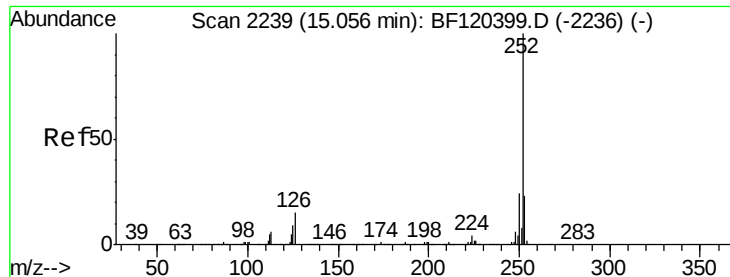
Abundance

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

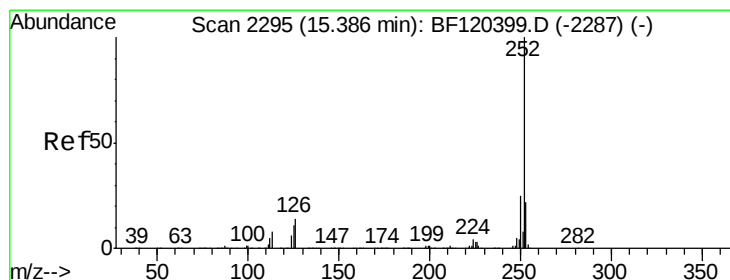
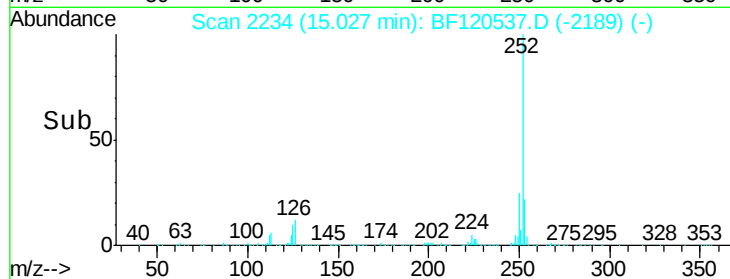
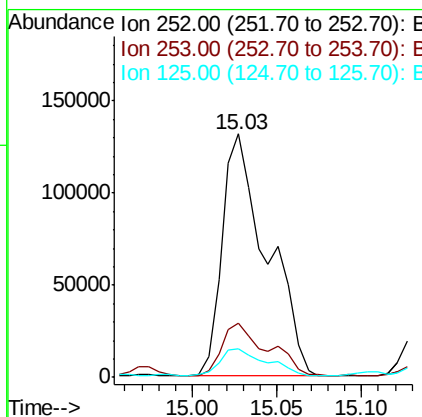
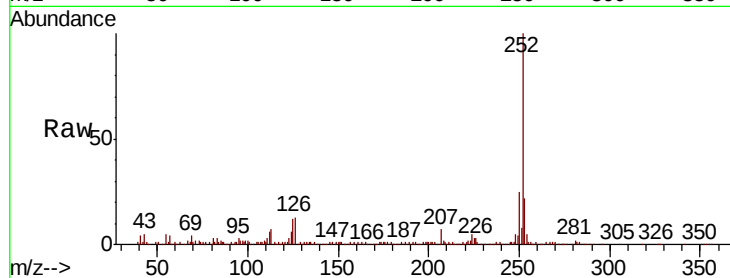




#89
Benzo(k)fluoranthene
Concen: 12.281 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF120537.D
Acq: 4 Jun 2020 16:56

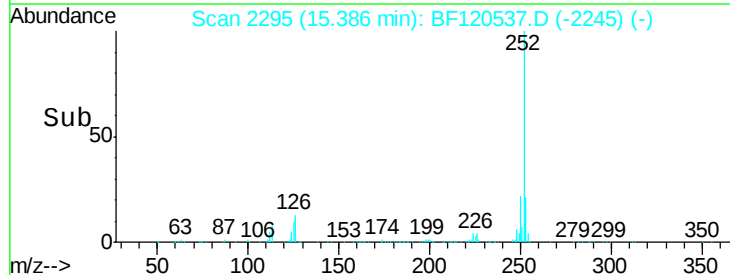
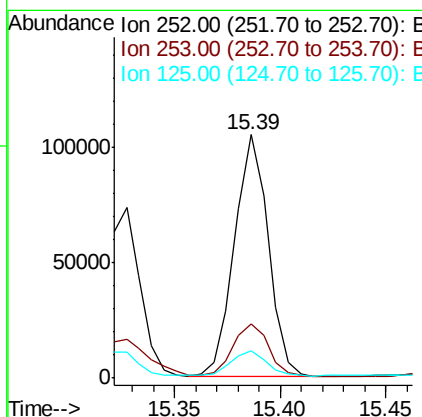
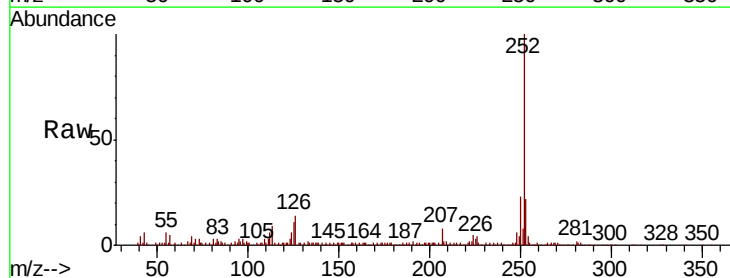
Instrument :
BNA_F
ClientSampleId :
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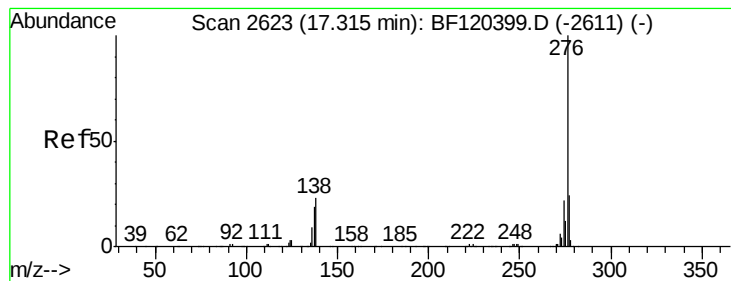
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.4	27.6
125	11.6	8.6	13.0



#90
Benzo(a)pyrene
Concen: 6.372 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF120537.D
Acq: 4 Jun 2020 16:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	11.3	9.6	14.4





#92

Benzo(a,h,i)perylene

Concen: 3.839 ng

RT: 17.33 min Scan# 2625

Delta R.T. -0.02 min

Lab File: BF120537.D

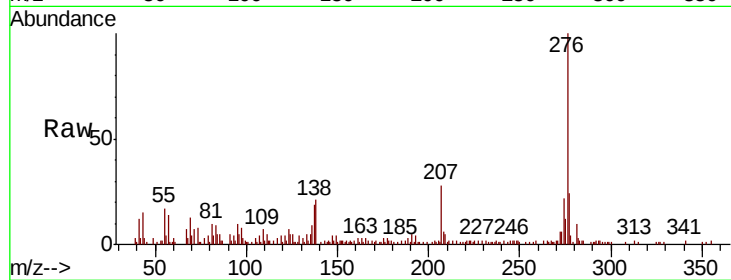
Acq: 4 Jun 2020 16:56

Instrument :

BNA_F

ClientSampleId :

NM27-COMP-2020-0-6



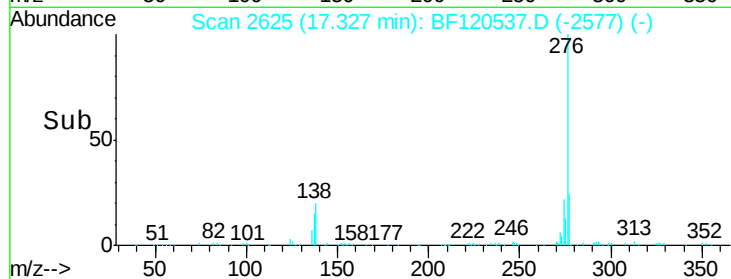
Tot Ion: 276 Resp: 63973

Ion Ratio Lower Upper

276 100

277 24.5 19.3 28.9

138 21.2 16.9 25.3



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

