

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031119\
 Data File : BF112969.D
 Acq On : 11 Mar 2019 21:55
 Operator : JU/SJ
 Sample : K1691-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-030819-A

Quant Time: Mar 12 04:42:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	186981	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	790779	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	439577	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	905894	20.00	ng	0.00
76) Chrysene-d12	13.86	240	623092	20.00	ng	-0.01
87) Perylene-d12	15.27	264	590371	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	505645	42.07	ng	-0.01
7) Phenol-d6	6.36	99	676435	44.80	ng	0.00
23) Nitrobenzene-d5	7.29	82	387743	29.34	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	261521	56.04	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	789395	24.20	ng	-0.01
79) Terphenyl-d14	12.82	244	847548	26.37	ng	-0.01

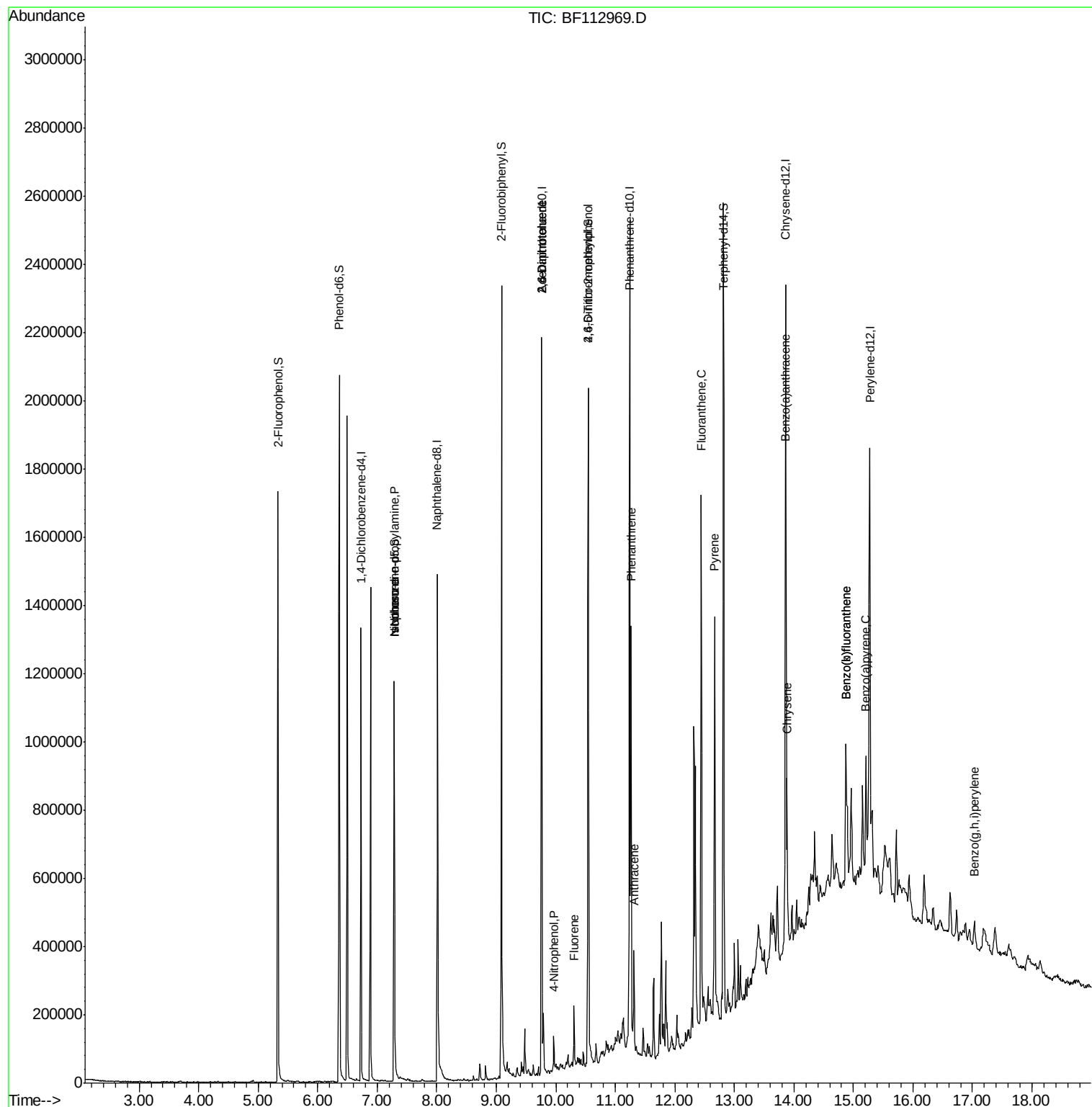
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.29	70	50697	5.301	ng	# 76
25) Isophorone	7.29	82	384579	13.508	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	57952	8.586	ng	# 18
56) 4-Nitrophenol	9.97	139	14847	2.221	ng	# 14
57) 2,4-Dinitrotoluene	9.76	165	57952	6.907	ng	# 18
58) Fluorene	10.30	166	61279	2.137	ng	99
65) 4,6-Dinitro-2-methylphenol	10.55	198	324	4.691	ng	# 1
71) Phenanthrene	11.26	178	419198	9.301	ng	99
72) Anthracene	11.32	178	140556	2.979	ng	97
75) Fluoranthene	12.44	202	625066	12.944	ng	96
78) Pyrene	12.67	202	517254	9.847	ng	98
81) Benzo(a)anthracene	13.85	228	225306	5.217	ng	99
83) Chrysene	13.89	228	196485	4.645	ng	96
88) Benzo(b)fluoranthene	14.87	252	332438	8.706	ng	98
89) Benzo(k)fluoranthene	14.87	252	332438	9.611	ng	98
90) Benzo(a)pyrene	15.21	252	179491	5.314	ng	98
92) Benzo(g,h,i)perylene	17.03	276	75634	2.613	ng	94

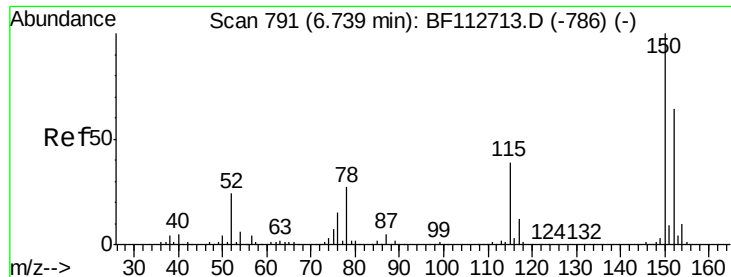
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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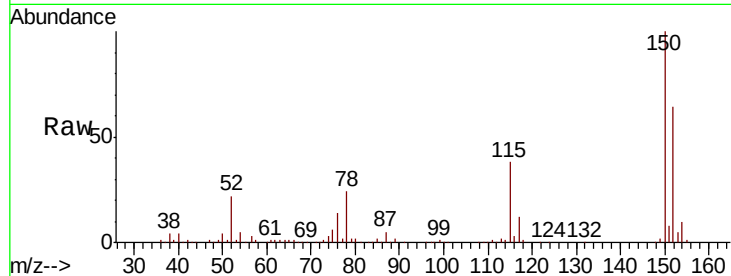


#1

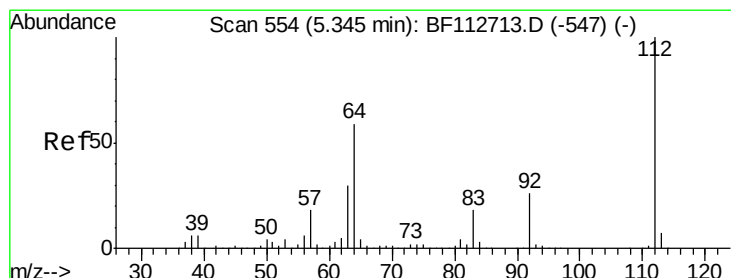
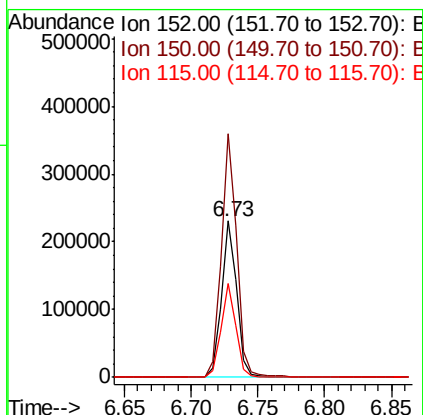
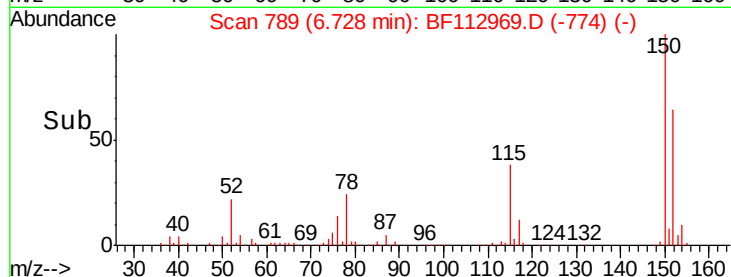
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

Instrument :
BNA_F
ClientSampleId :
CL-02-030819-A

Tgt Ion:152 Resp: 186981
Ion Ratio Lower Upper
152 100
150 156.0 124.2 186.2
115 59.8 48.2 72.4



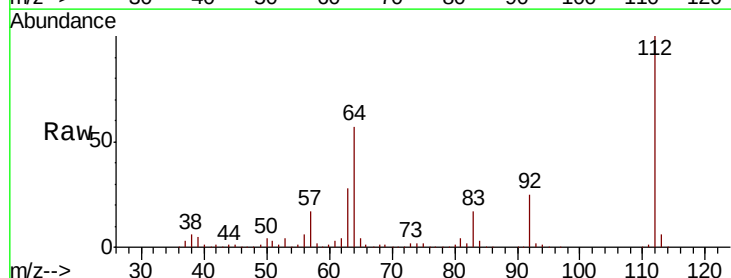
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



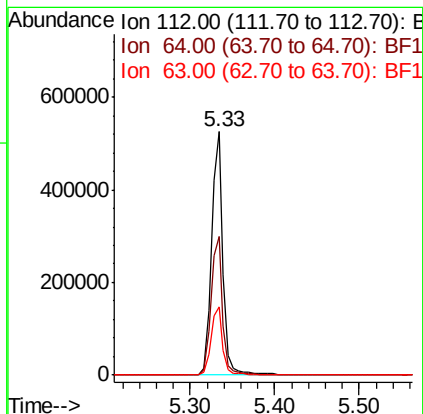
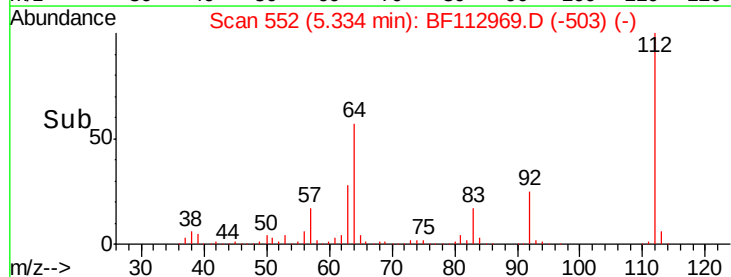
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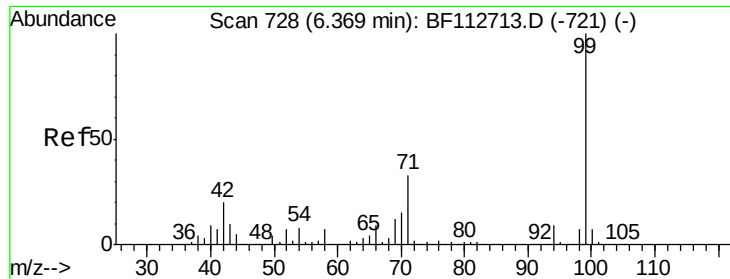
2-Fluorophenol
Concen: 42.066 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

Tgt Ion:112 Resp: 505645
Ion Ratio Lower Upper
112 100
64 57.0 47.6 71.4
63 28.2 24.4 36.6



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: 44.799 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112969.D

Acq: 11 Mar 2019 21:55

Instrument :

BNA_F

ClientSampleId :

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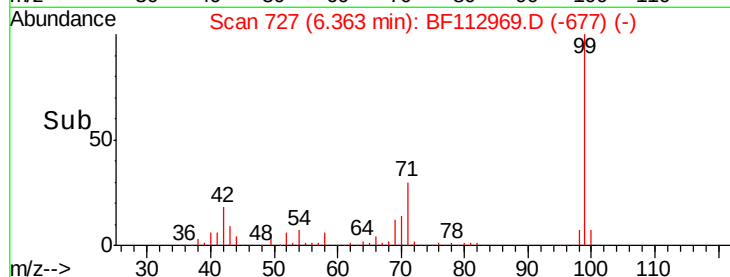
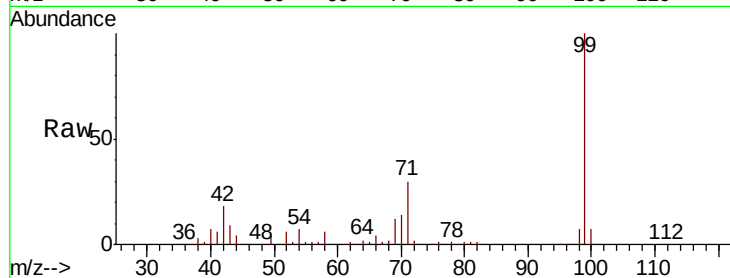
Tgt Ion: 99 Resp: 676435

Ion Ratio Lower Upper

99 100

42 17.6 16.3 24.5

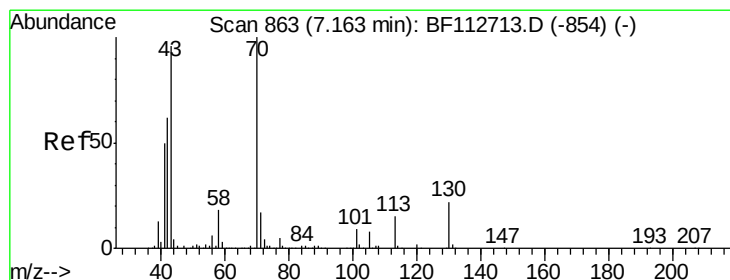
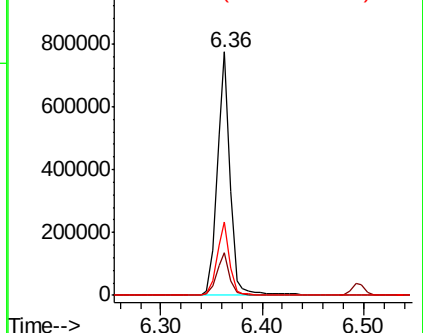
71 30.2 26.2 39.4



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: 5.301 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF112969.D

Acq: 11 Mar 2019 21:55

Tgt Ion: 70 Resp: 50697

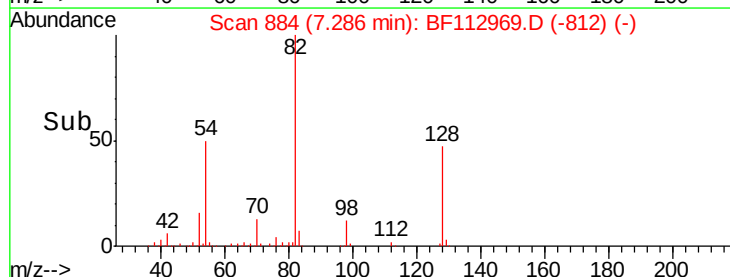
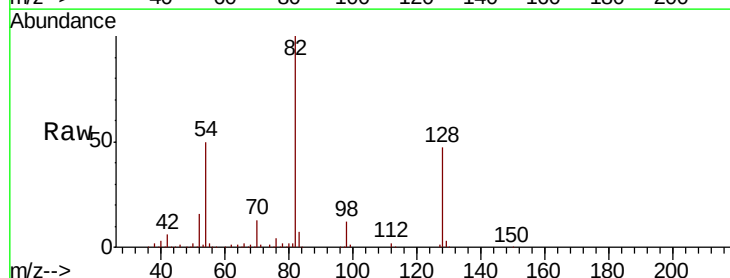
Ion Ratio Lower Upper

70 100

42 48.6 49.9 74.9#

101 0.0 7.4 11.2#

130 2.2 17.4 26.2#

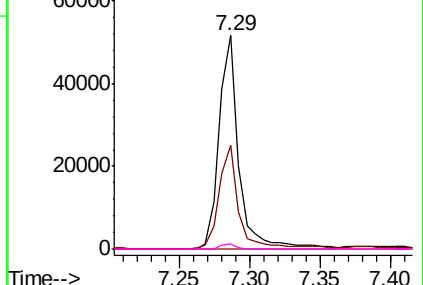


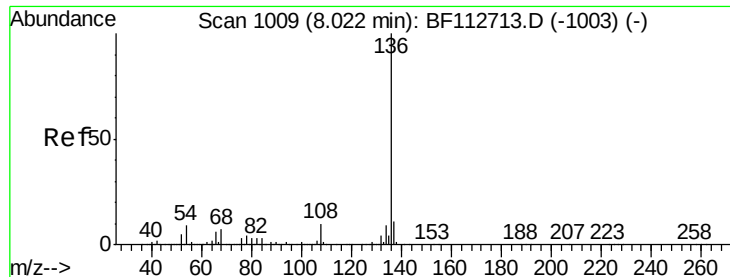
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

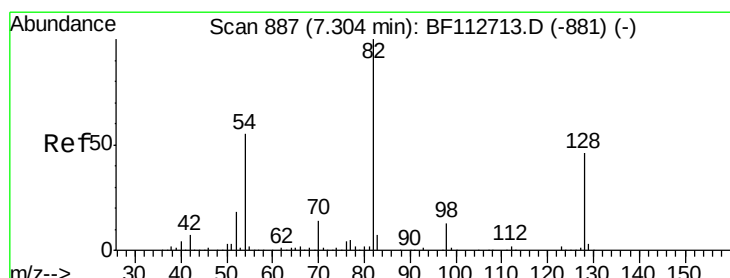
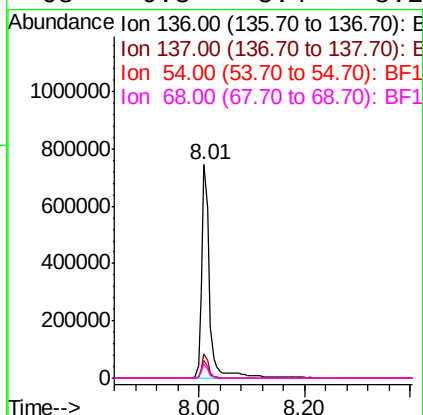
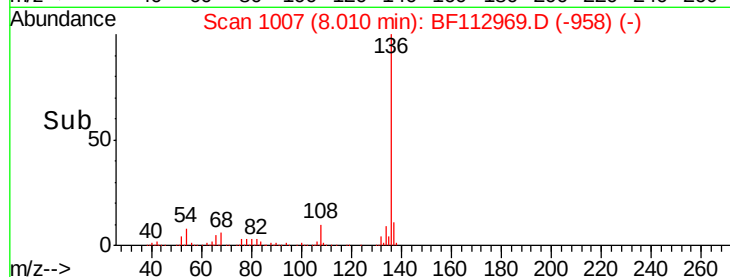
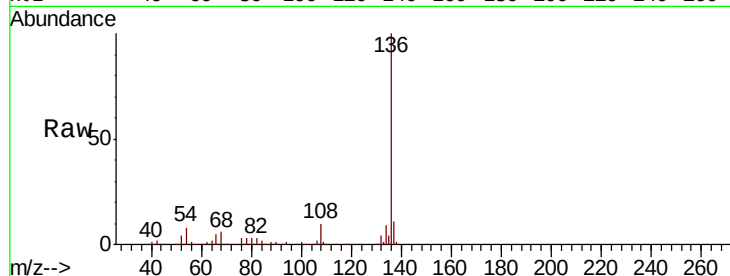




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

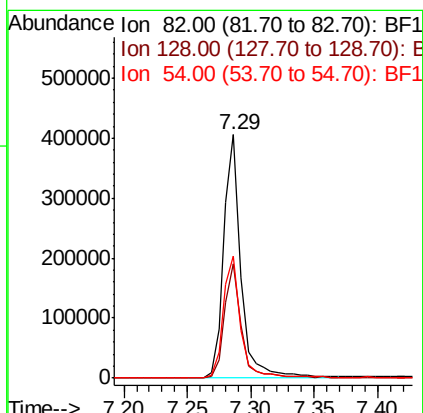
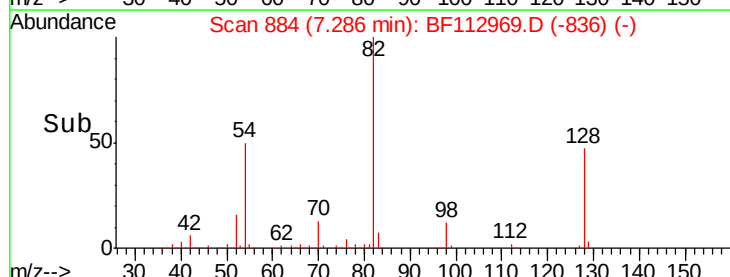
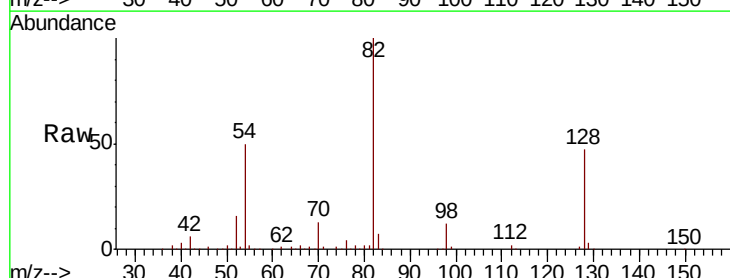
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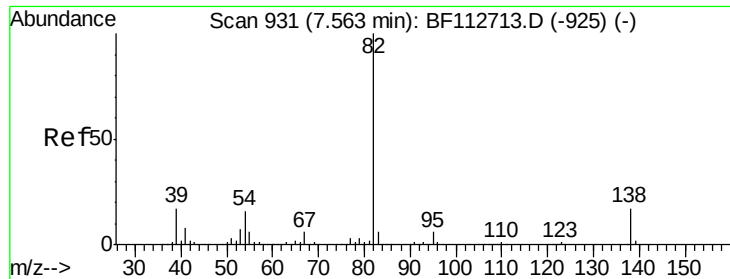
Tgt Ion:	136	Resp:	790779
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.3	7.3	10.9
68	6.3	5.4	8.2



#23
Nitrobenzene-d5
Concen: 29.340 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

Tgt Ion:	82	Resp:	387743
Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.3	54.5
54	50.3	43.7	65.5

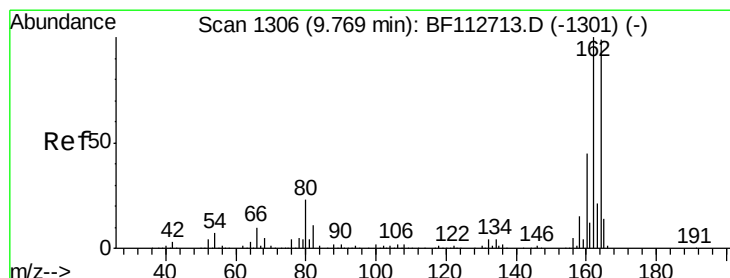
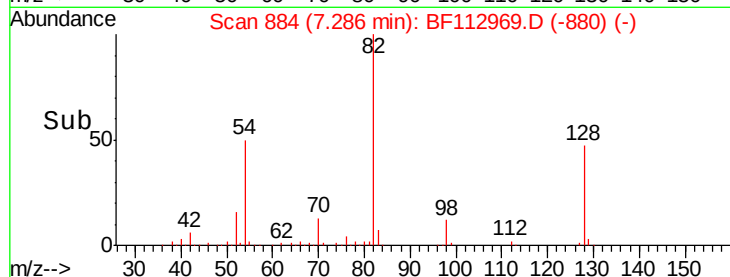
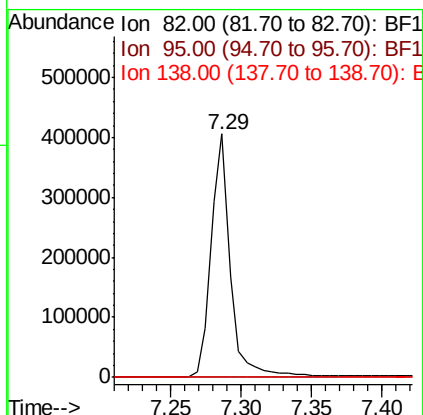
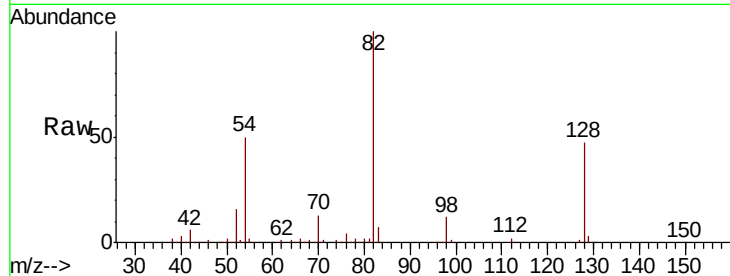




#25
Isophorone
Concen: 13.508 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.28 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

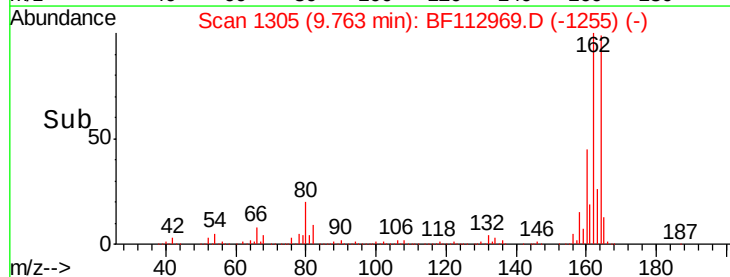
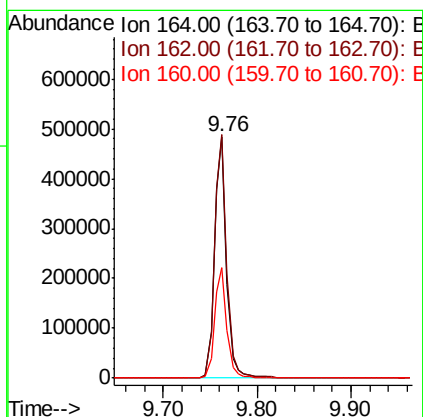
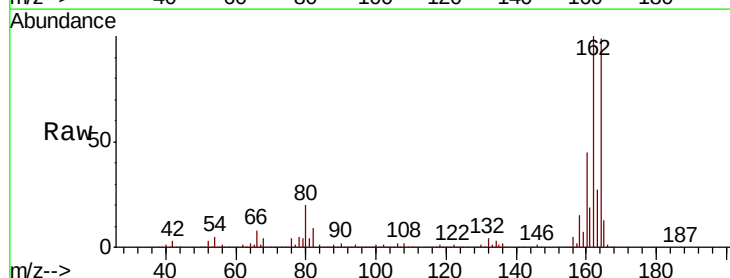
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ClientSampleId :
CL-02-030819-A

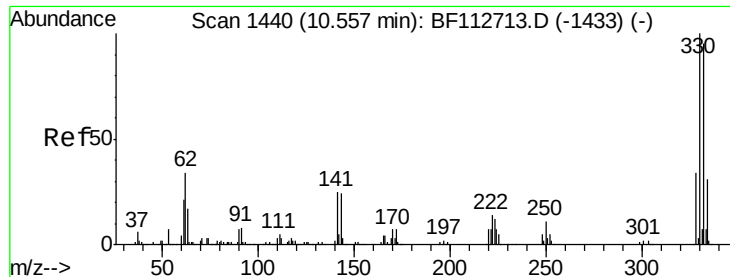
Tgt Ion: 82 Resp: 384579
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

Tgt Ion: 164 Resp: 439577
Ion Ratio Lower Upper
164 100
162 100.8 80.6 120.8
160 45.8 36.0 54.0

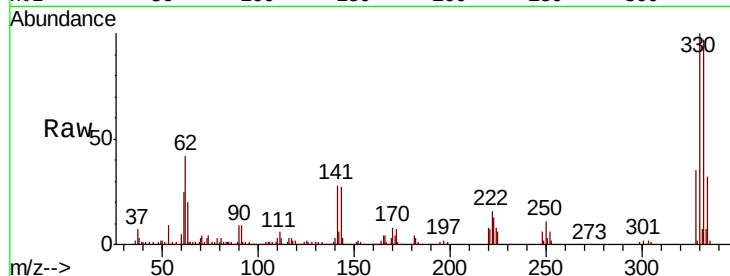




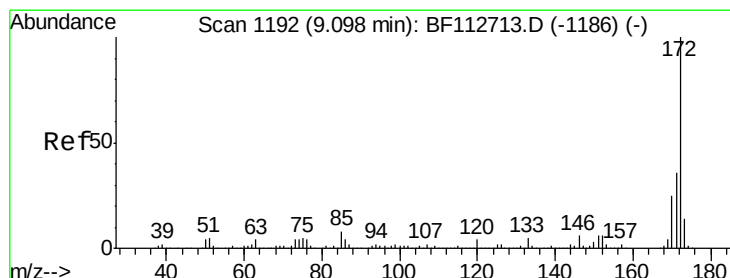
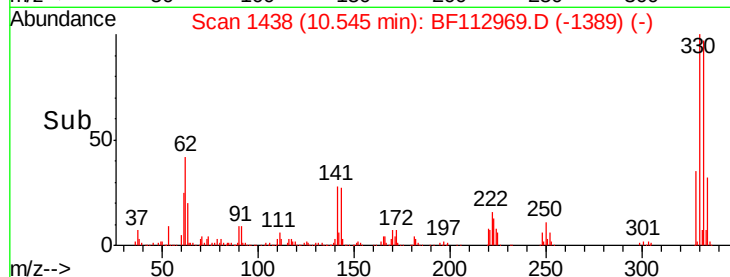
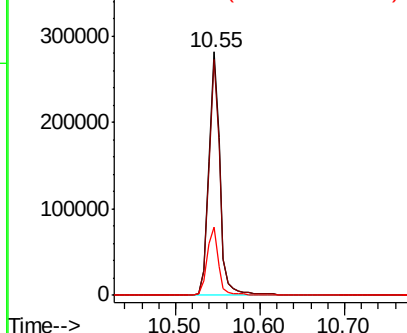
#42
 2,4,6-Tribromophenol
 Concen: 56.040 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112969.D
 Acq: 11 Mar 2019 21:55

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-030819-A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.2	114.4
141	28.5	27.0	40.6

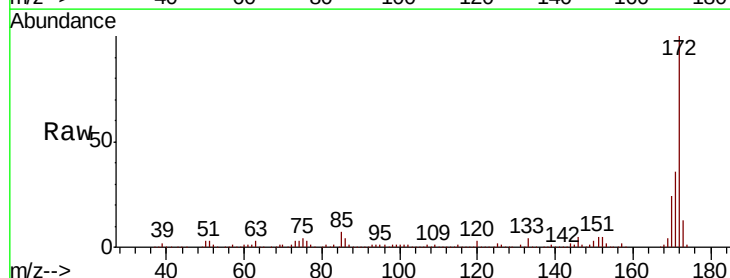


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

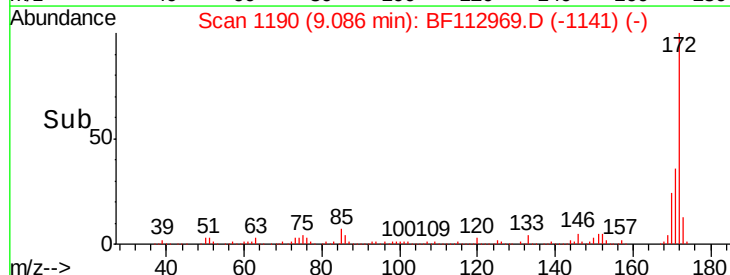
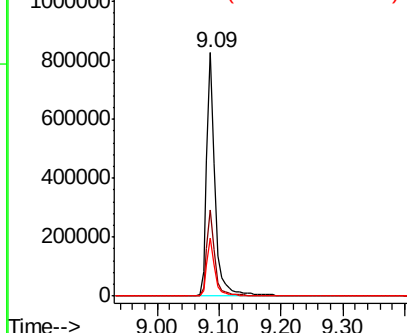


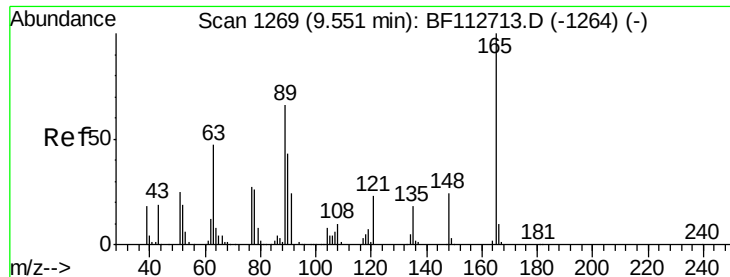
#45
 2-Fluorobiphenyl
 Concen: 24.205 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112969.D
 Acq: 11 Mar 2019 21:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.4
170	23.7	20.0	30.0



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

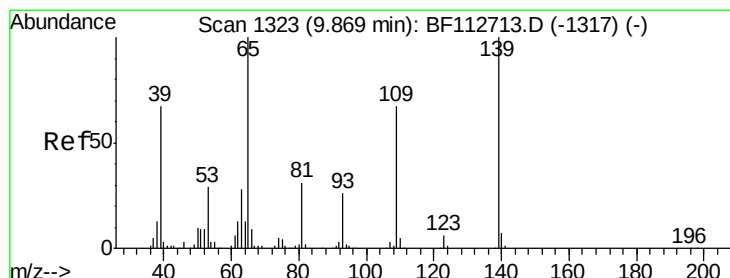
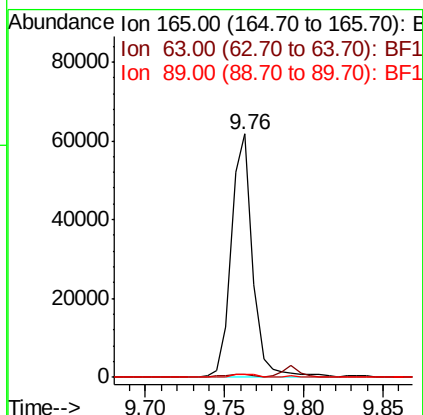
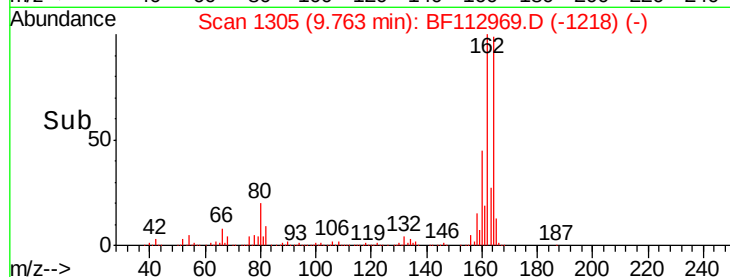
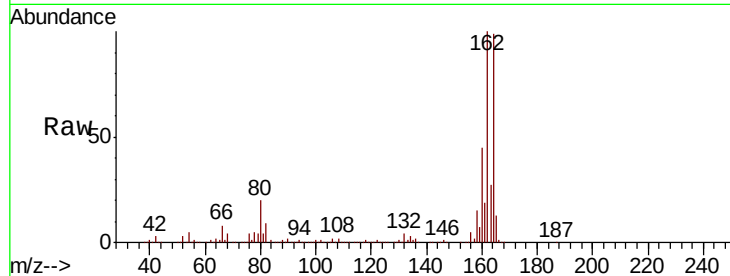




#51
 2,6-Dinitrotoluene
 Concen: 8.586 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.21 min
 Lab File: BF112969.D
 Acq: 11 Mar 2019 21:55

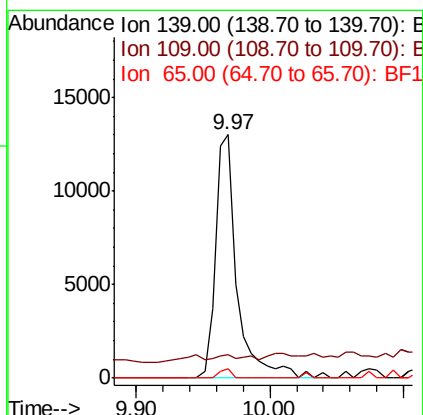
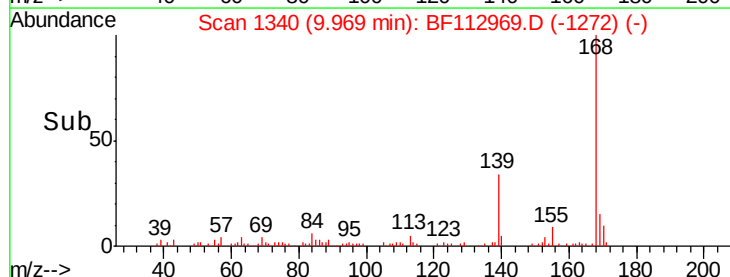
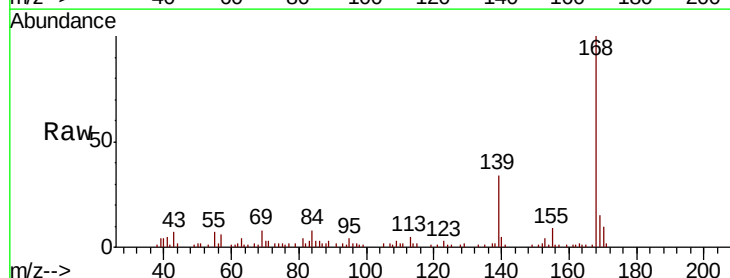
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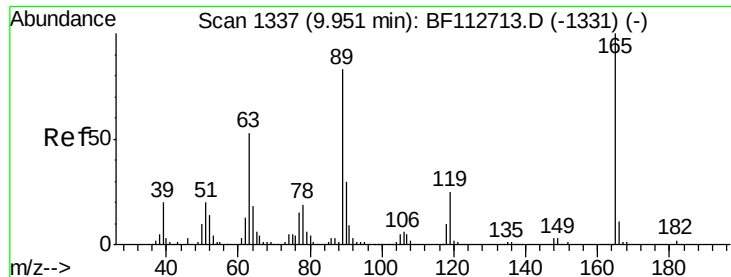
Tgt Ion:165 Resp: 57952
 Ion Ratio Lower Upper
 165 100
 63 1.3 54.1 81.1#
 89 1.4 52.8 79.2#



#56
 4-Nitrophenol
 Concen: 2.221 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. 0.10 min
 Lab File: BF112969.D
 Acq: 11 Mar 2019 21:55

Tgt Ion:139 Resp: 14847
 Ion Ratio Lower Upper
 139 100
 109 9.6 46.8 86.8#
 65 4.0 80.7 120.7#

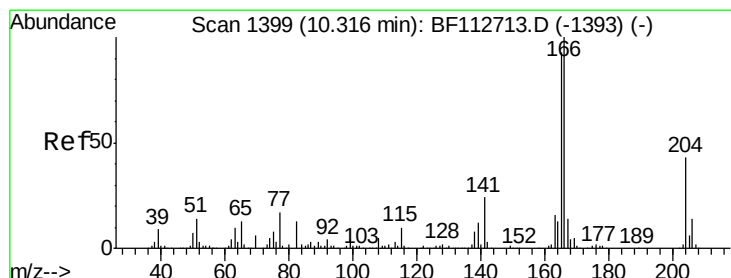
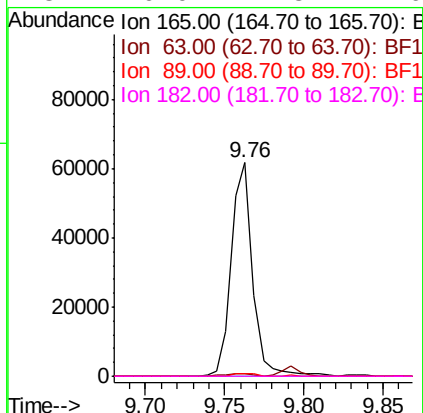
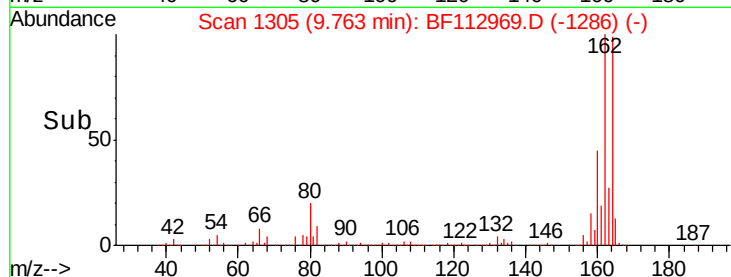
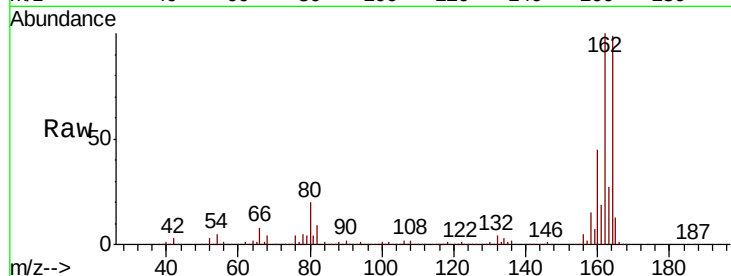




#57
2,4-Dinitrotoluene
Concen: 6.907 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.19 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

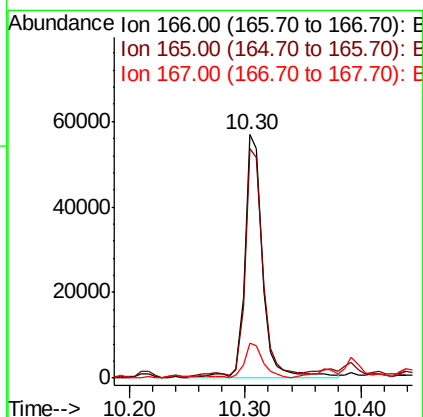
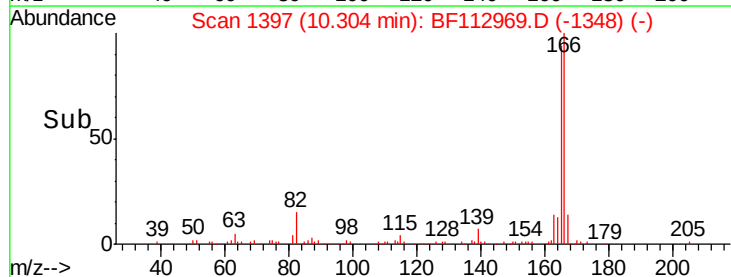
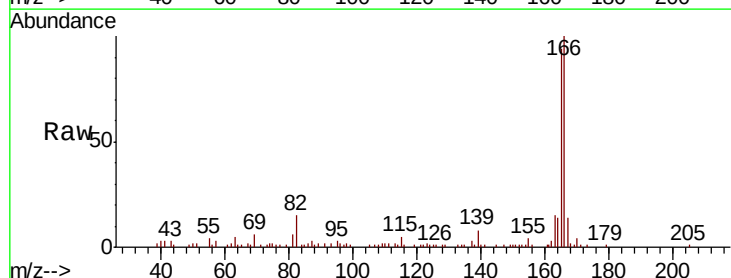
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ClientSampleId :
CL-02-030819-A

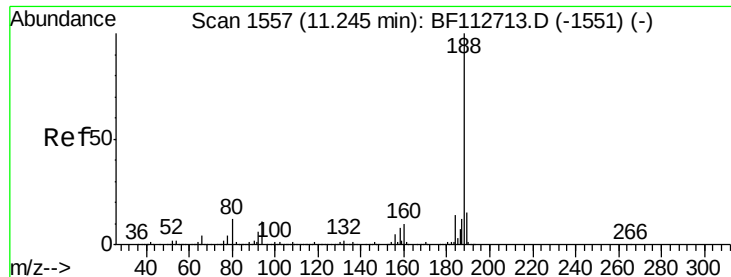
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.2	63.2#
89	1.4	66.2	99.4#
182	0.0	1.8	2.6#



#58
Fluorene
Concen: 2.137 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.2	74.7	112.1
167	14.5	11.0	16.6

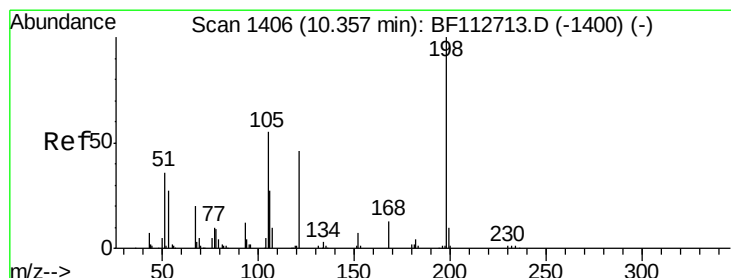
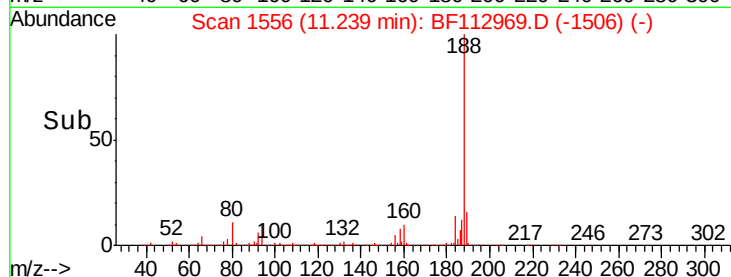
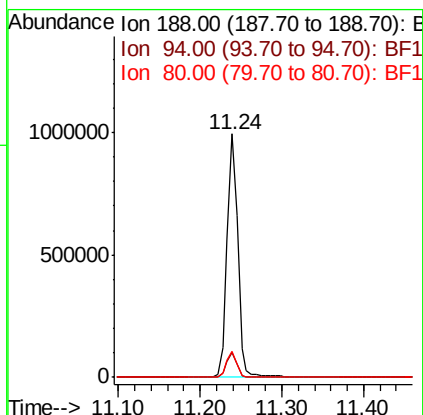
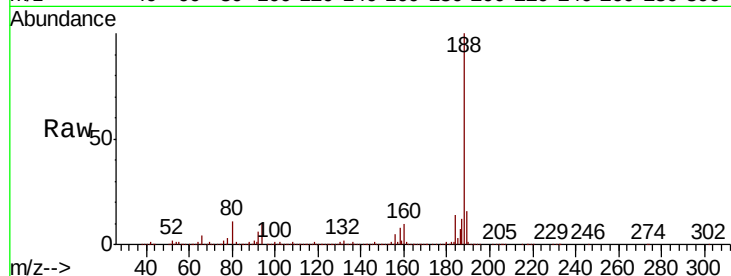




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

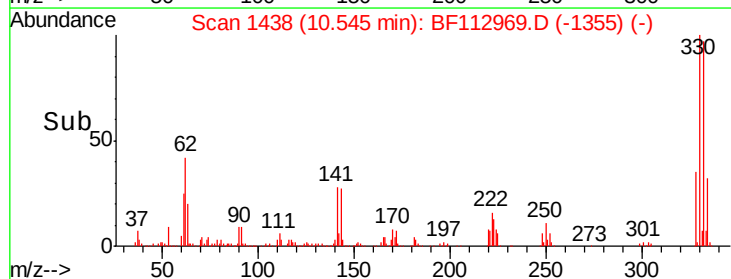
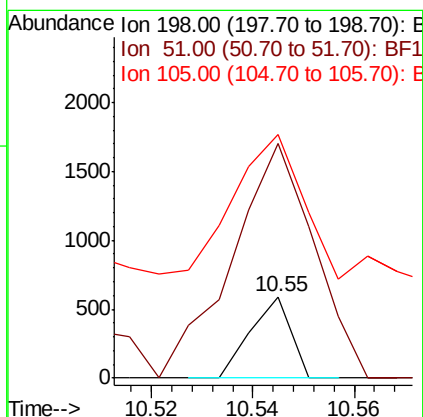
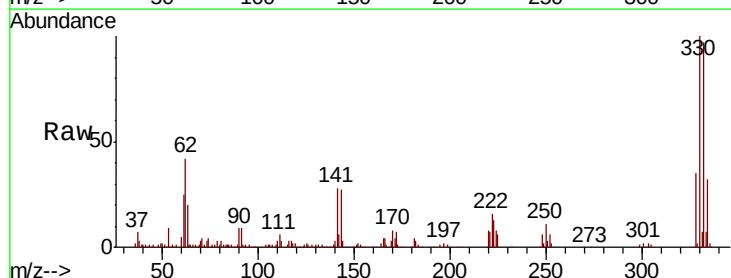
Instrument :
BNA_F
ClientSampleId :
CL-02-030819-A

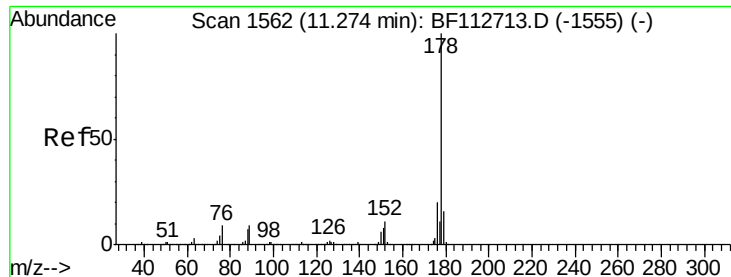
Tgt Ion:188 Resp: 905894
Ion Ratio Lower Upper
188 100
94 10.3 9.0 13.4
80 10.6 9.2 13.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.691 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.19 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

Tgt Ion:198 Resp: 324
Ion Ratio Lower Upper
198 100
51 288.2 43.8 83.8#
105 299.0 36.5 76.5#

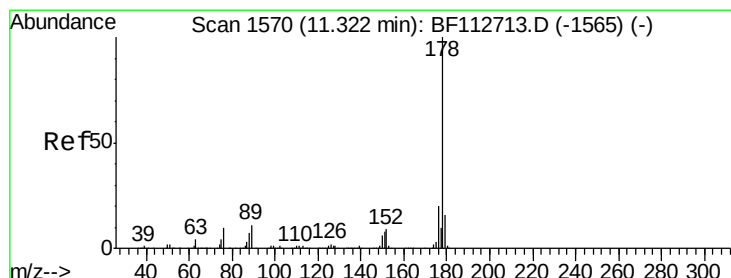
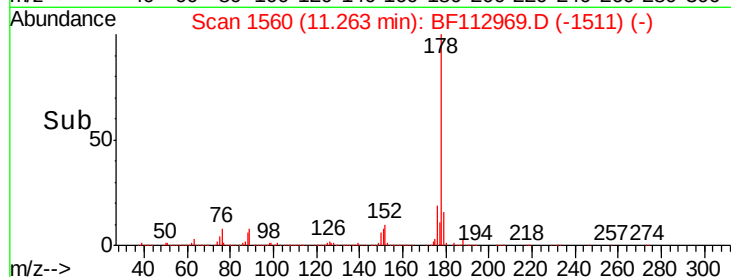
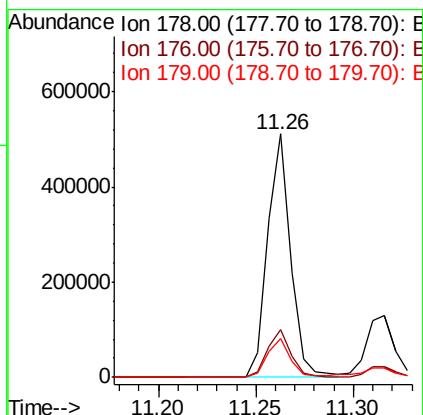
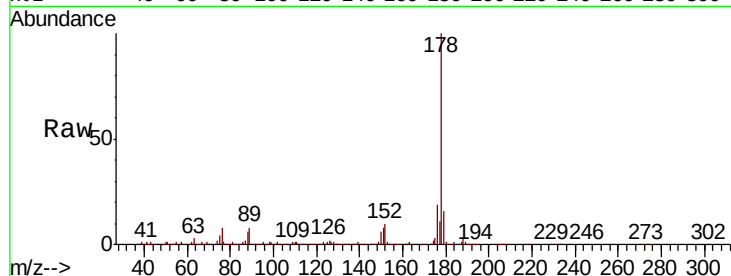




#71
Phenanthrene
Concen: 9.301 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

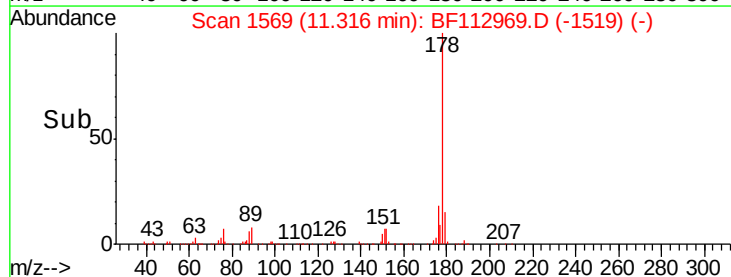
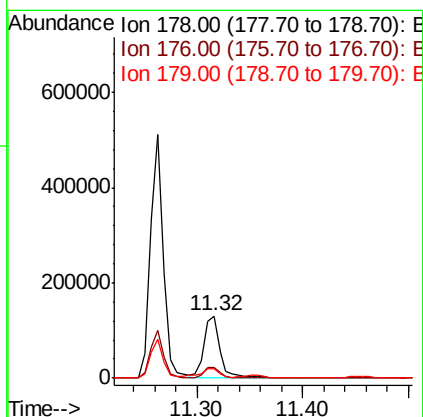
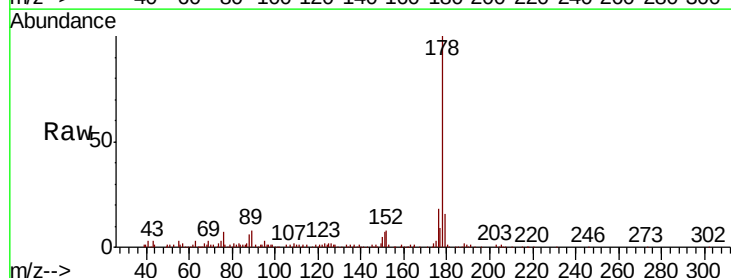
Instrument :
BNA_F
ClientSampleId :
CL-02-030819-A

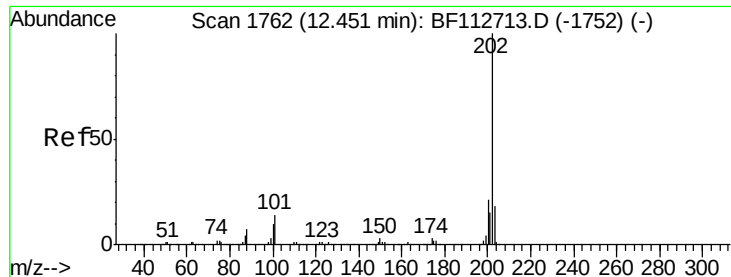
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.3	24.5
179	15.9	12.7	19.1



#72
Anthracene
Concen: 2.979 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.6
179	15.6	13.0	19.6





#75

Fluoranthene

Concen: 12.944 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF112969.D

Acq: 11 Mar 2019 21:55

Instrument :

BNA_F

ClientSampleId :

CL-02-030819-A

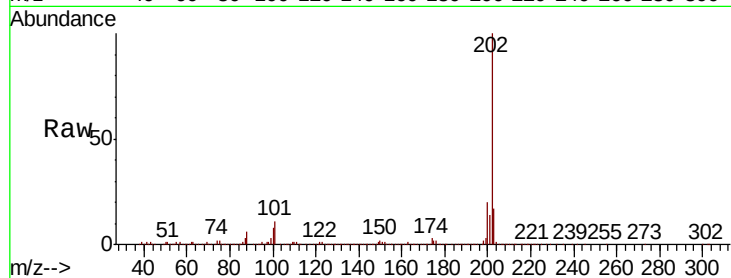
Tgt Ion:202 Resp: 625066

Ion Ratio Lower Upper

202 100

101 11.4 0.0 33.8

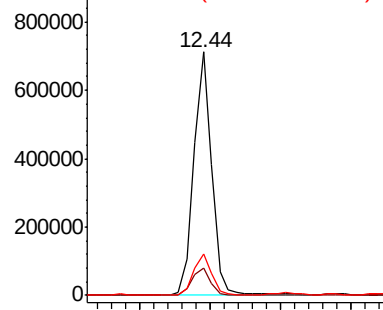
203 17.1 0.0 38.4



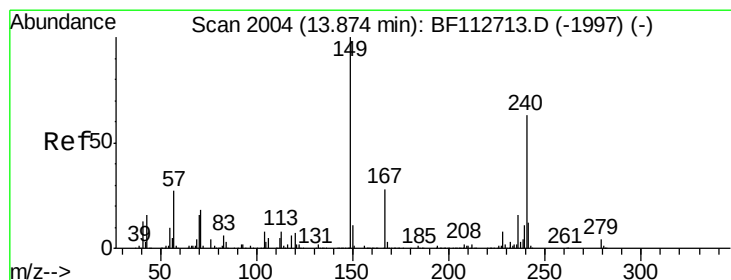
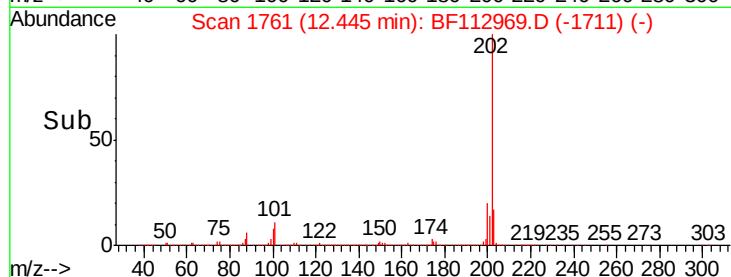
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF112969.D

Acq: 11 Mar 2019 21:55

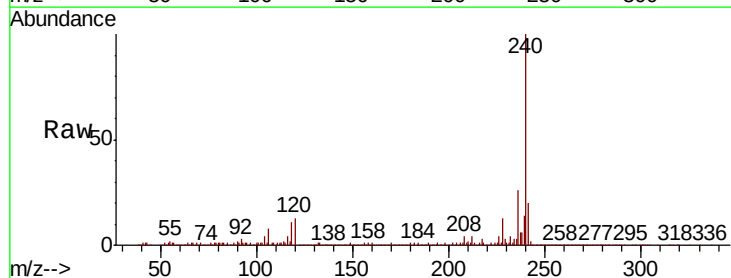
Tgt Ion:240 Resp: 623092

Ion Ratio Lower Upper

240 100

120 12.6 8.9 13.3

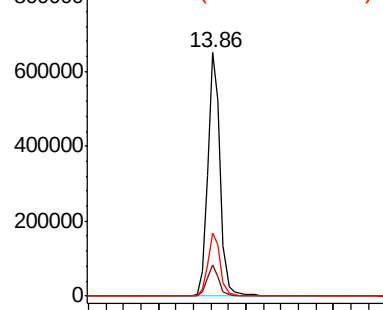
236 26.0 20.7 31.1



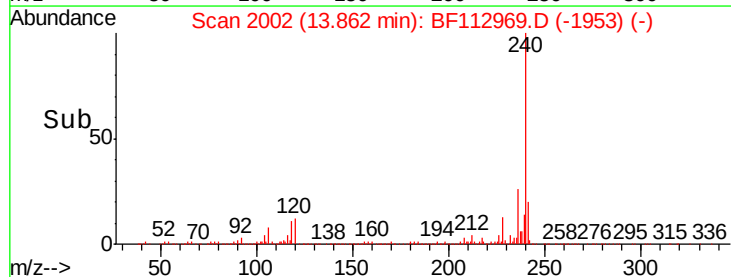
Abundance Ion 240.00 (239.70 to 240.70): E

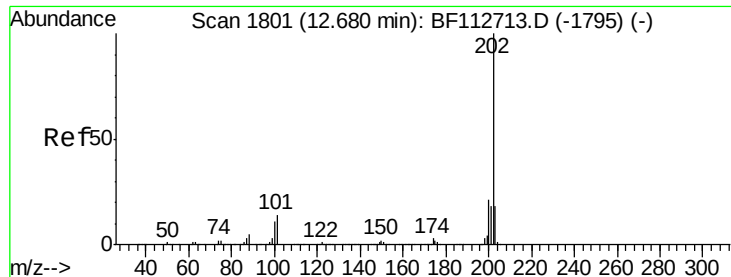
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->

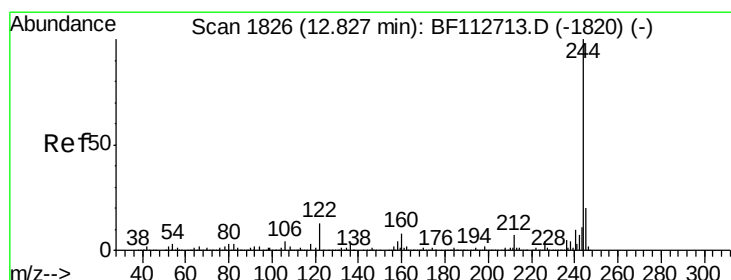
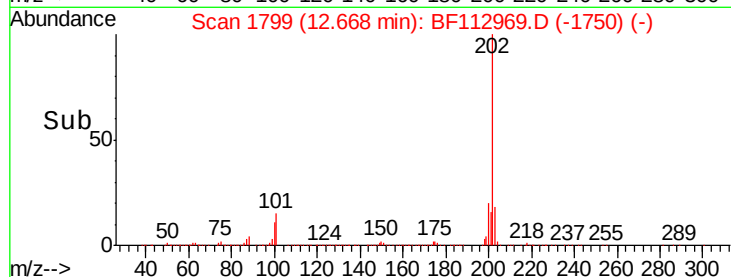
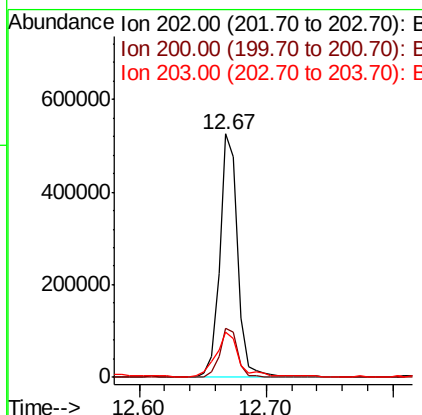
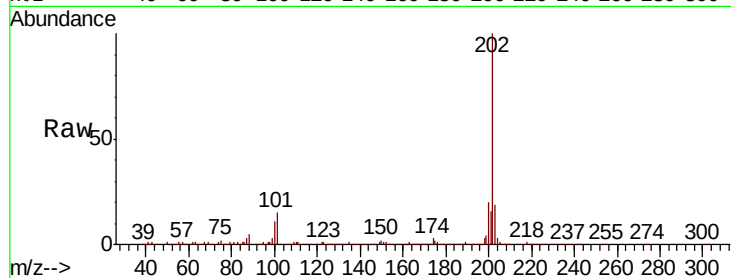




#78
 Pyrene
 Concen: 9.847 ng
 RT: 12.67 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: BF112969.D
 Acq: 11 Mar 2019 21:55

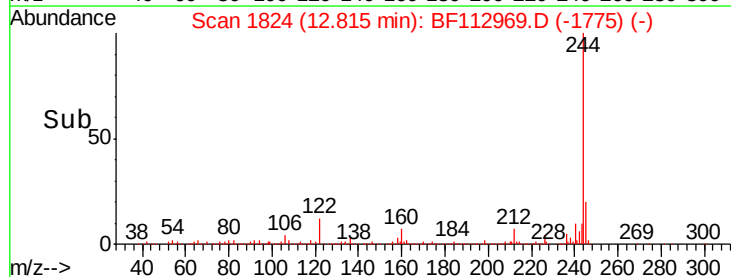
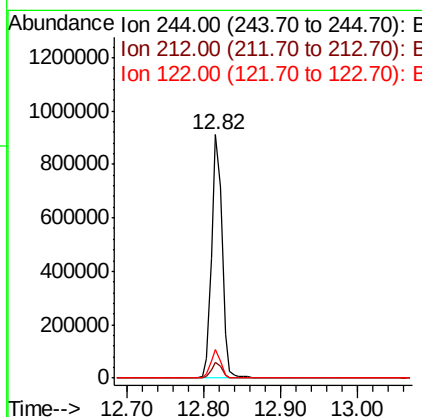
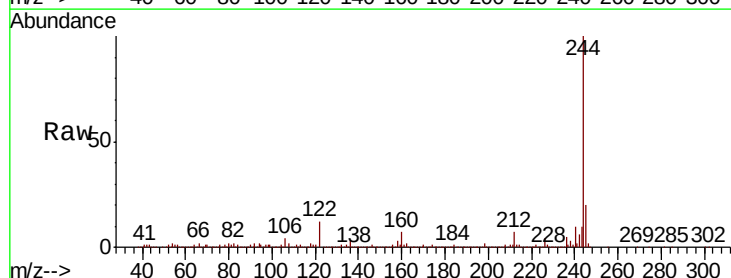
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-030819-A

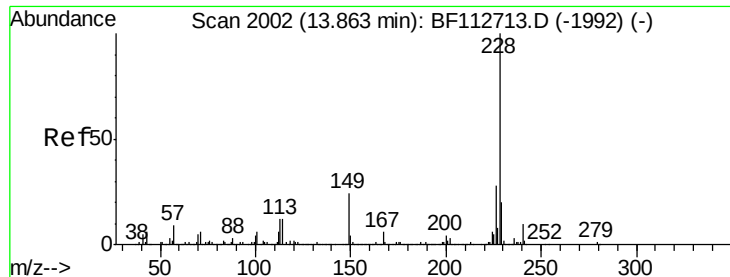
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.0	25.4
203	18.6	14.4	21.6



#79
 Terphenyl-d14
 Concen: 26.368 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF112969.D
 Acq: 11 Mar 2019 21:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.6	8.4
122	11.6	10.5	15.7

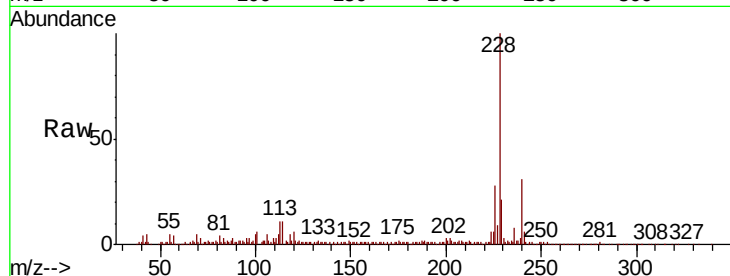




#81
Benzo(a)anthracene
Concen: 5.217 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

Instrument :
BNA_F
ClientSampleId :
CL-02-030819-A

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.2	33.4
229	20.8	16.0	24.0

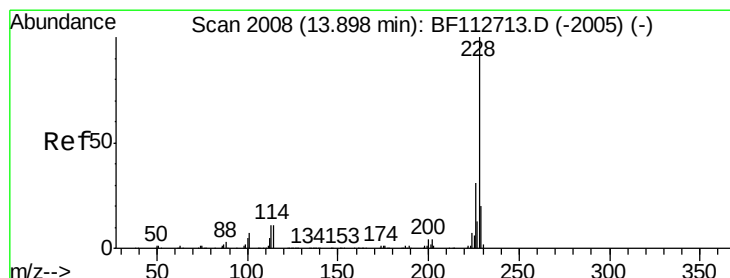
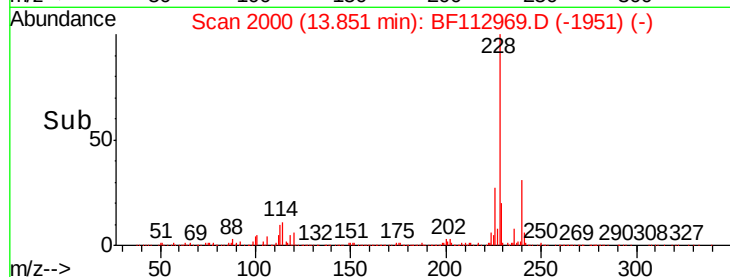
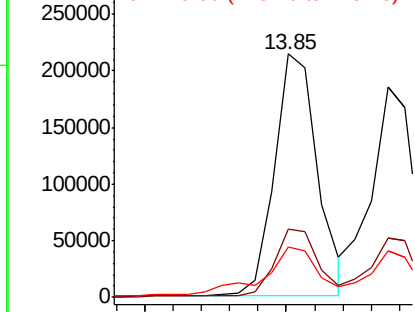


Abundance

Ion 228.00 (227.70 to 228.70): E

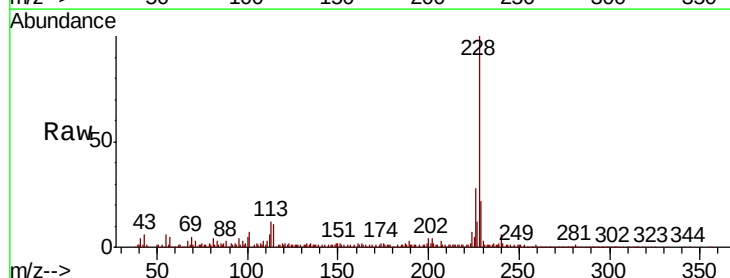
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 4.645 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	24.9	37.3
229	22.1	16.3	24.5

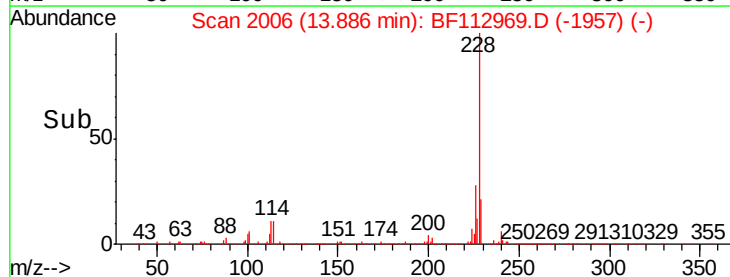
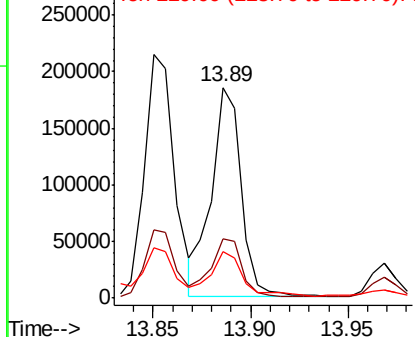


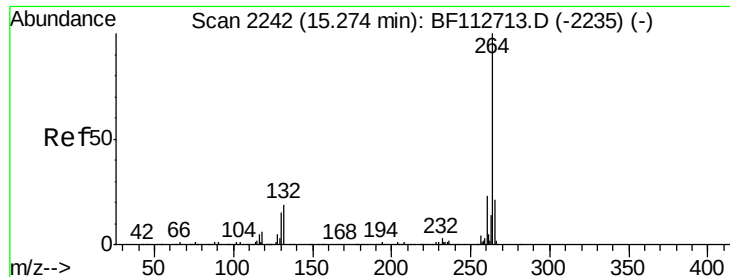
Abundance

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





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2242

Delta R.T. -0.00 min

Lab File: BF112969.D

Acq: 11 Mar 2019 21:55

Instrument :

BNA_F

ClientSampleId :

CL-02-030819-A

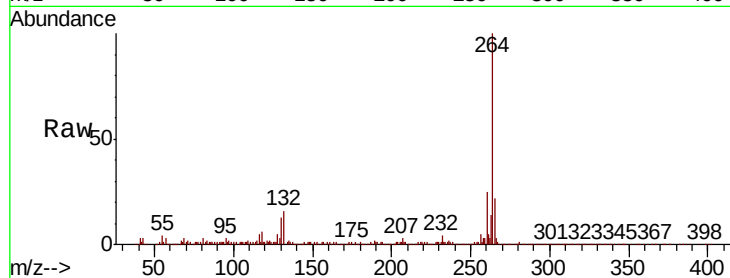
Tgt Ion:264 Resp: 590371

Ion Ratio Lower Upper

264 100

260 24.5 18.7 28.1

265 22.2 17.2 25.8

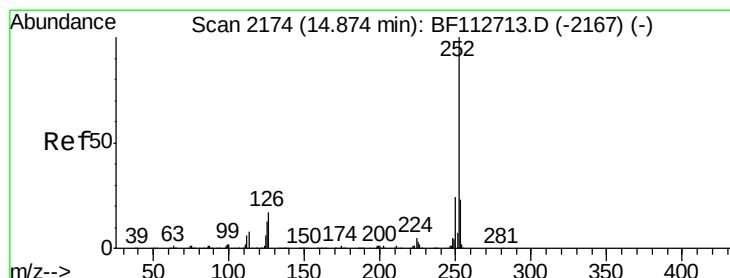
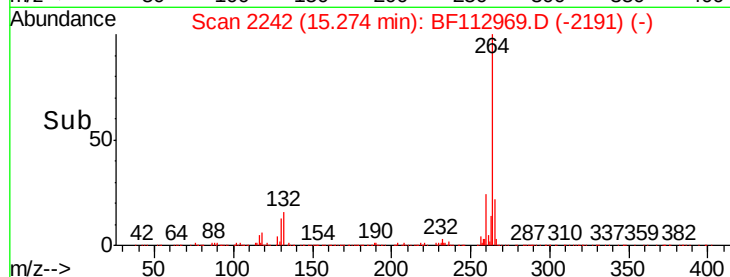
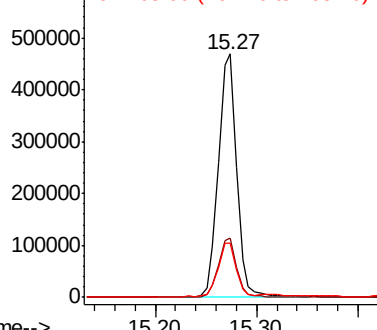


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 8.706 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BF112969.D

Acq: 11 Mar 2019 21:55

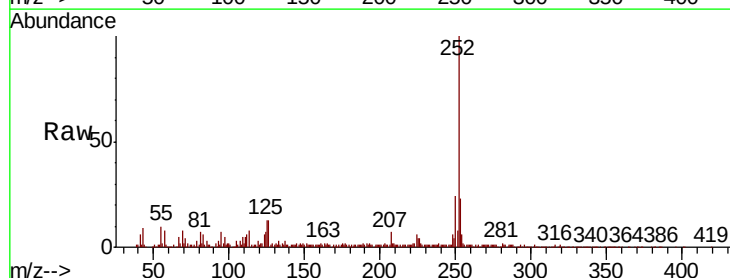
Tgt Ion:252 Resp: 332438

Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

125 13.3 10.2 15.2

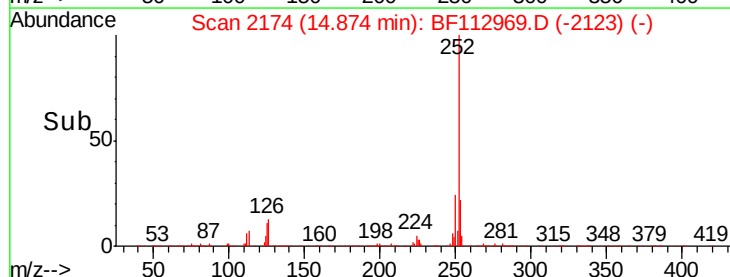
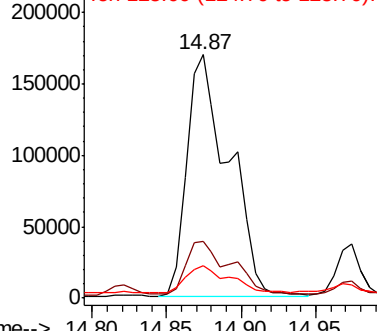


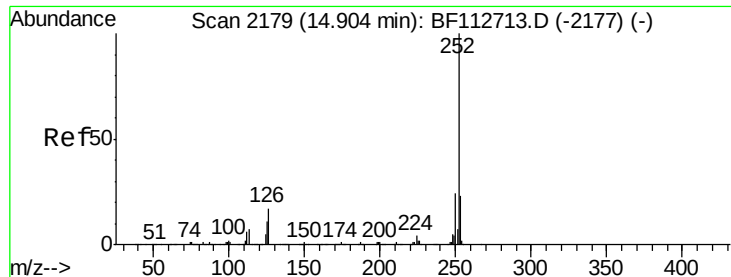
Abundance

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

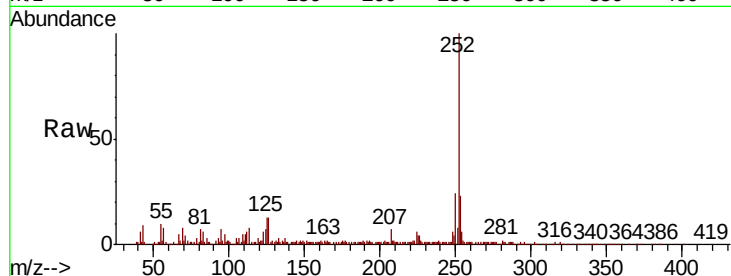




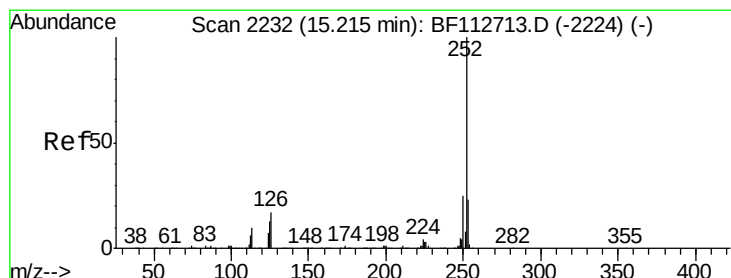
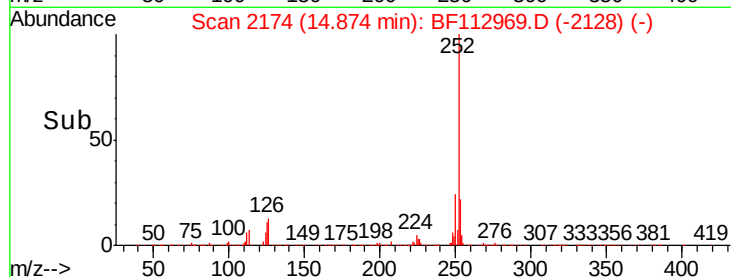
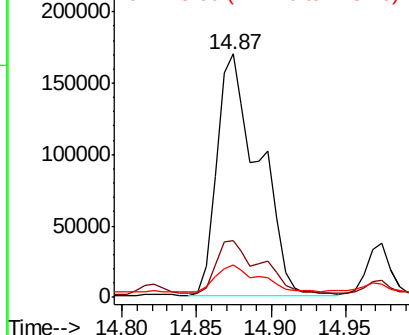
#89
Benzo(k)fluoranthene
Concen: 9.611 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

Instrument :
BNA_F
ClientSampleId :
CL-02-030819-A

Tgt Ion:252 Resp: 332438
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.2
125 13.3 9.8 14.6

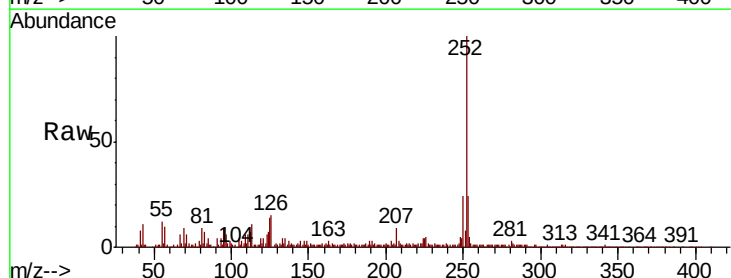


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

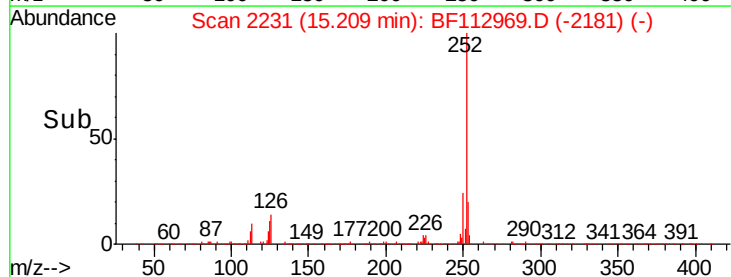
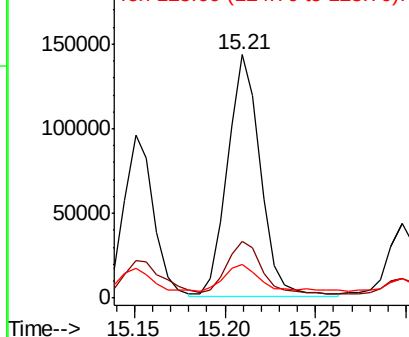


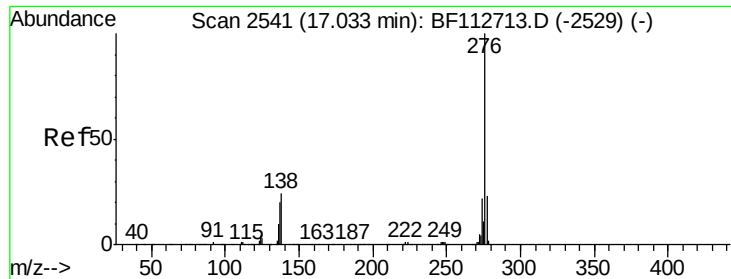
#90
Benzo(a)pyrene
Concen: 5.314 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

Tgt Ion:252 Resp: 179491
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 14.1 10.7 16.1



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

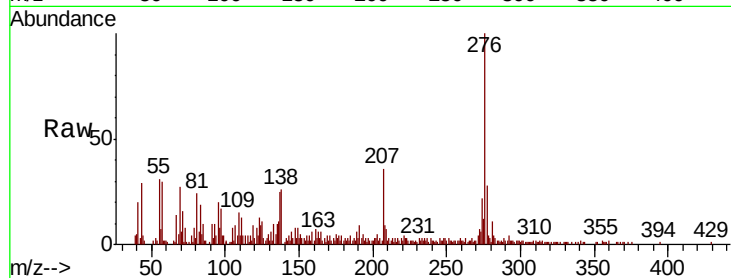




#92
 Benzo(g,h,i)perylene
 Concen: 2.613 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. -0.00 min
 Lab File: BF112969.D
 Acq: 11 Mar 2019 21:55

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-030819-A

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	18.6	27.8
138	25.5	19.4	29.0



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

