

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
 Data File : BF112973.D
 Acq On : 11 Mar 2019 23:44
 Operator : JU/SJ
 Sample : K1691-05 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 3/12/2019 4:28:54 PM

Quant Time: Mar 12 06:34:35 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	167237	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	643934	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	384914	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	783071	20.00	ng	0.00
76) Chrysene-d12	13.86	240	551328	20.00	ng	-0.01
87) Perylene-d12	15.27	264	444186	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	175384	16.31	ng	-0.02
7) Phenol-d6	6.36	99	244235	18.08	ng	0.00
23) Nitrobenzene-d5	7.29	82	133021	12.36	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	94493	23.12	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	322281	10.06	ng	-0.01
79) Terphenyl-d14	12.82	244	330756	11.63	ng	-0.01
Target Compounds						
71) Phenanthrene	11.26	178	310330	7.965	ng	Qvalue 97
72) Anthracene	11.32	178	94323	2.313	ng	97
75) Fluoranthene	12.45	202	291170	6.975	ng	96
78) Pyrene	12.67	202	243434	5.238	ng	97
81) Benzo(a)anthracene	13.86	228	102071	2.671	ng	97
83) Chrysene	13.89	228	98132	2.622	ng	95
88) Benzo(b)fluoranthene	14.87	252	101952m	3.548	ng	
90) Benzo(a)pyrene	15.21	252	66283	2.608	ng	# 93

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

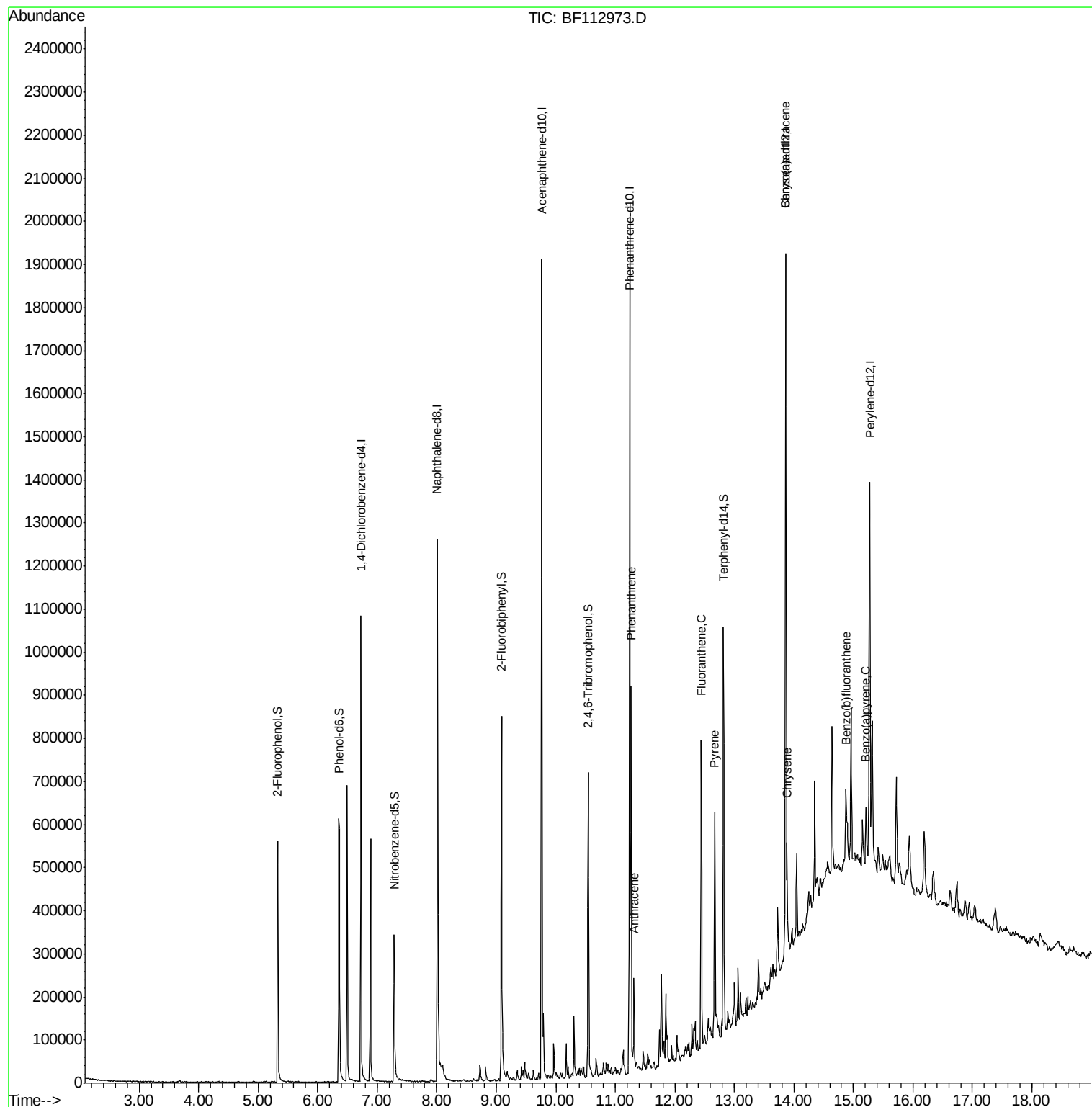
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112973.D
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#1

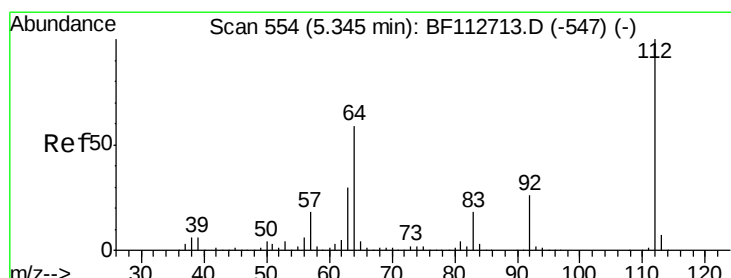
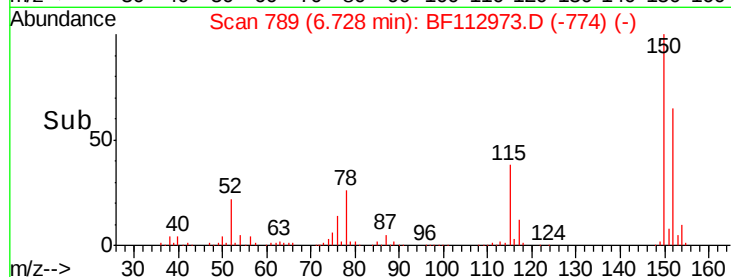
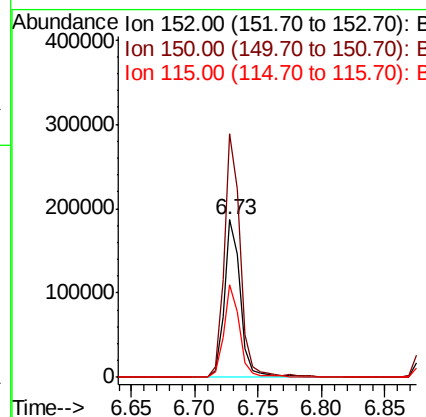
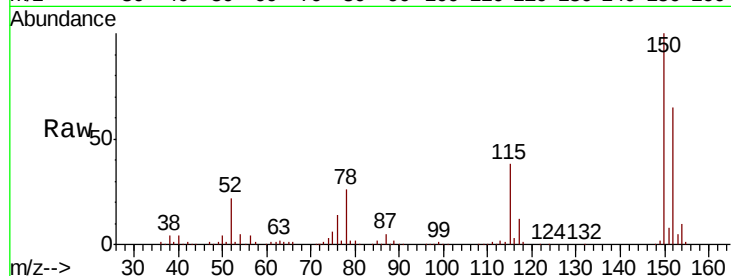
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.2	186.2
115	59.2	48.2	72.4

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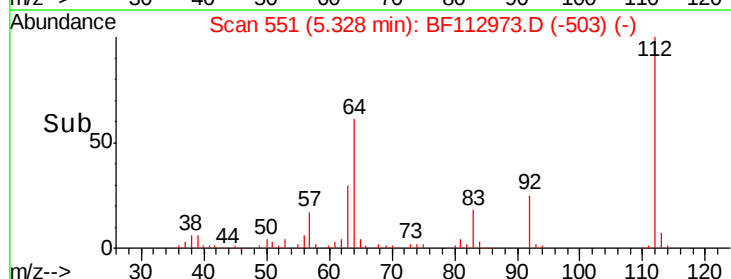
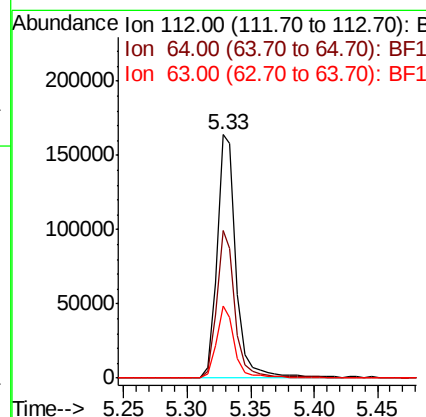
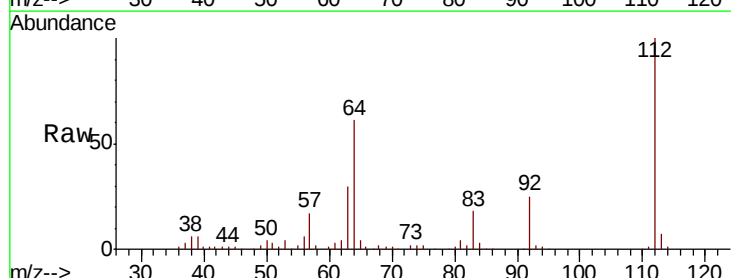
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#5

2-Fluorophenol
Concen: 16.313 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.6	71.4
63	29.6	24.4	36.6





#7

Phenol-d6

Concen: 18.085 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112973.D

Acq: 11 Mar 2019 23:44

Instrument :

BNA_F

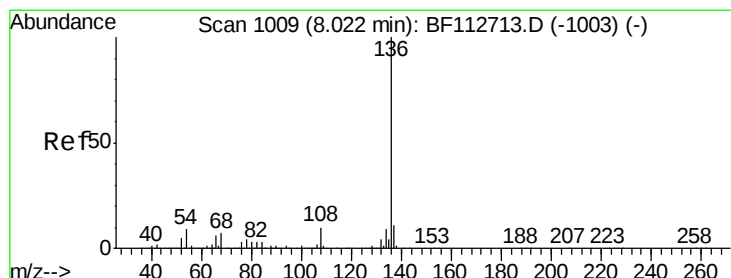
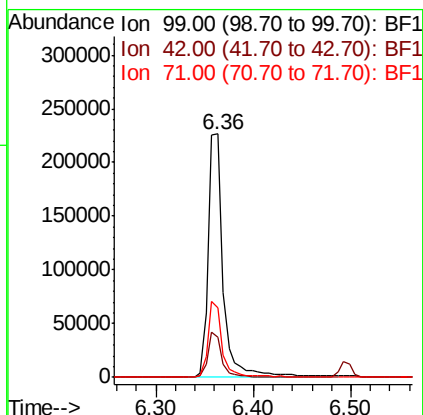
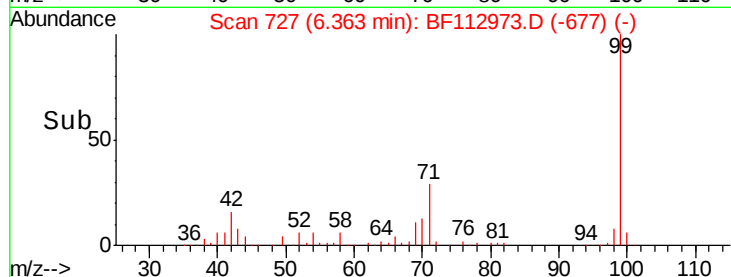
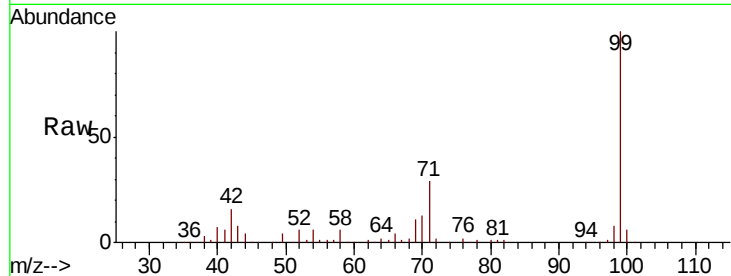
ClientSampleId :

CL-02-030819-C

Tot Ion:	99	Resp:	244235
Ion Ratio	Lower	Upper	
99	100		
42	16.5	16.3	24.5
71	28.8	26.2	39.4

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#21

Naphthalene-d8

Concen: 20.000 ng

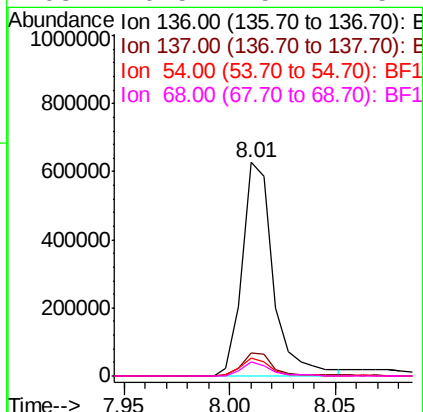
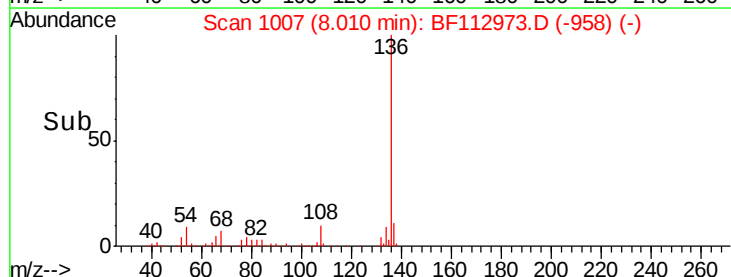
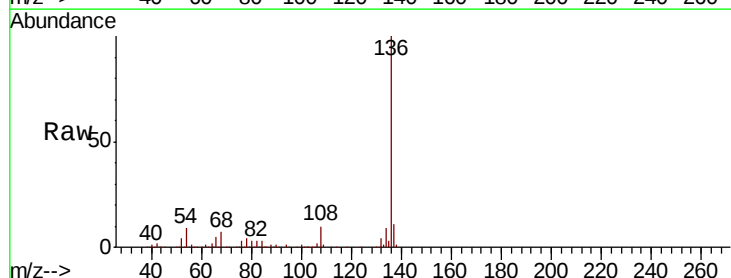
RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF112973.D

Acq: 11 Mar 2019 23:44

Tgt Ion:	136	Resp:	643934
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	8.6	7.3	10.9
68	6.5	5.4	8.2





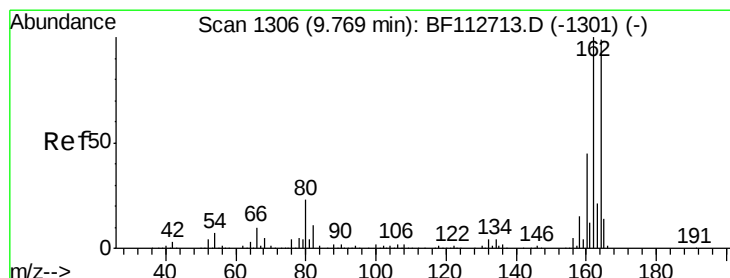
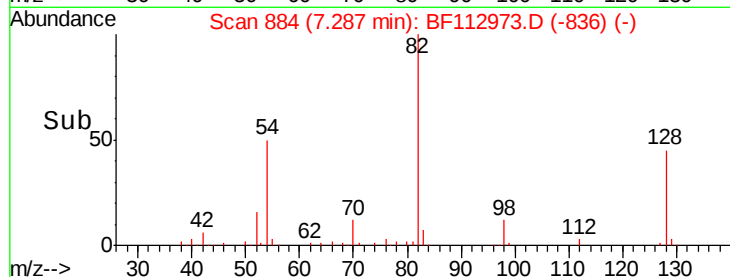
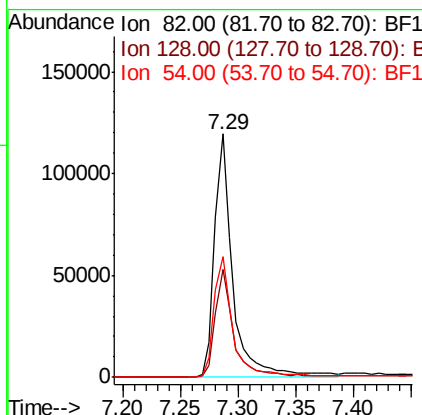
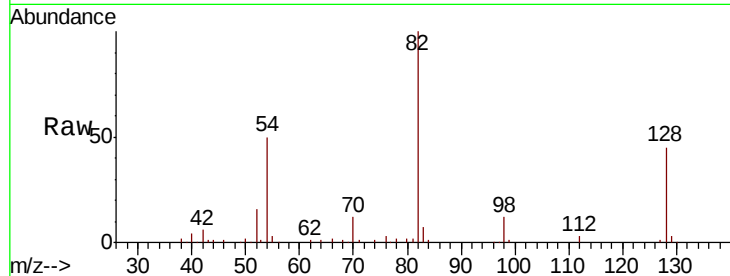
#23
Nitrobenzene-d5
Concen: 12.361 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.3	54.5
54	49.7	43.7	65.5

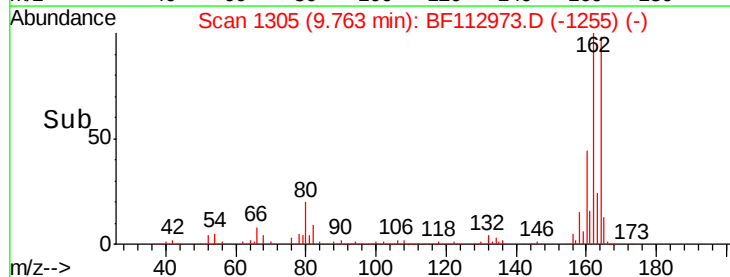
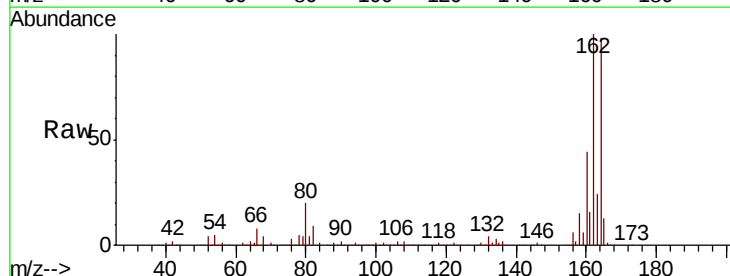
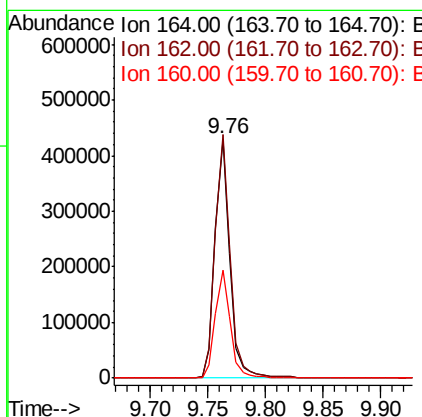
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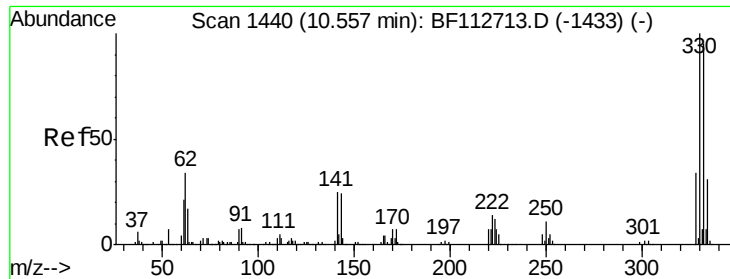
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.6	120.8
160	45.2	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 23.124 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF112973.D

Acq: 11 Mar 2019 23:44

Instrument :

BNA_F

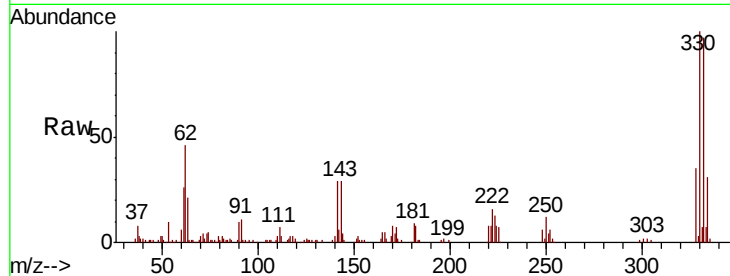
ClientSampleId :

CL-02-030819-C

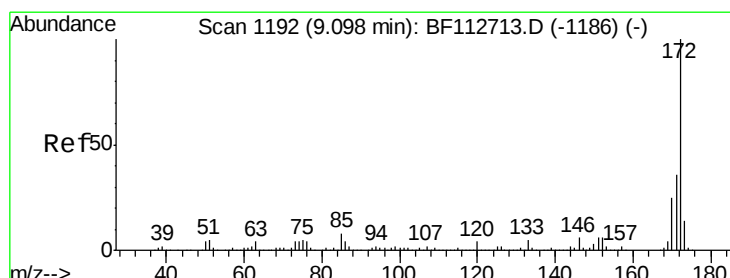
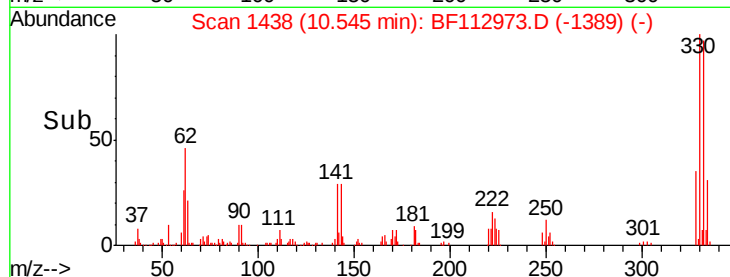
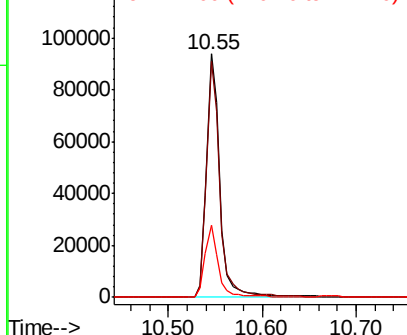
Tot Ion:	330	Resp:	94493
Ion Ratio	Lower	Upper	
330	100		
332	96.5	76.2	114.4
141	29.3	27.0	40.6

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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: 10.065 ng

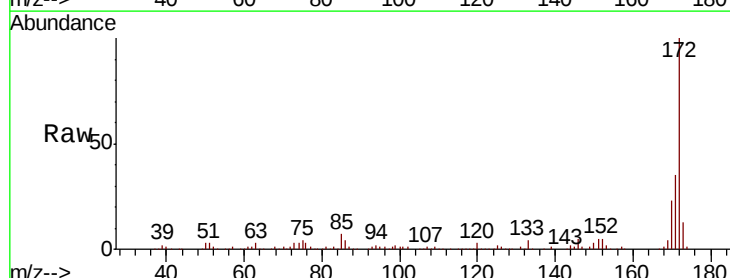
RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

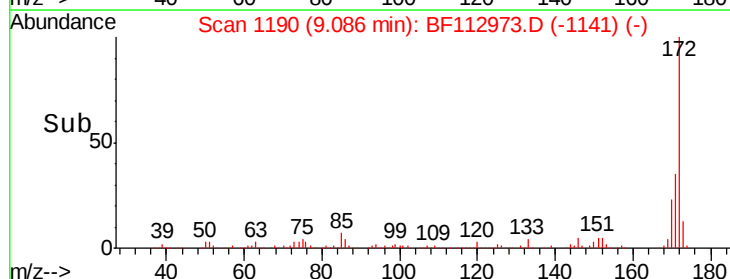
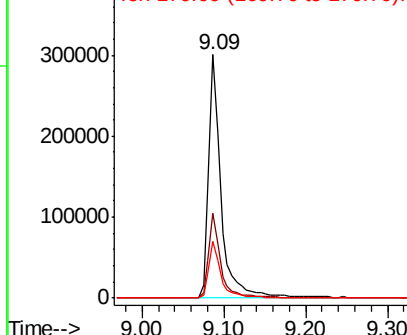
Lab File: BF112973.D

Acq: 11 Mar 2019 23:44

Tgt Ion:	172	Resp:	322281
Ion Ratio	Lower	Upper	
172	100		
171	34.9	29.0	43.4
170	23.4	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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF112973.D

Acq: 11 Mar 2019 23:44

Instrument :

BNA_F

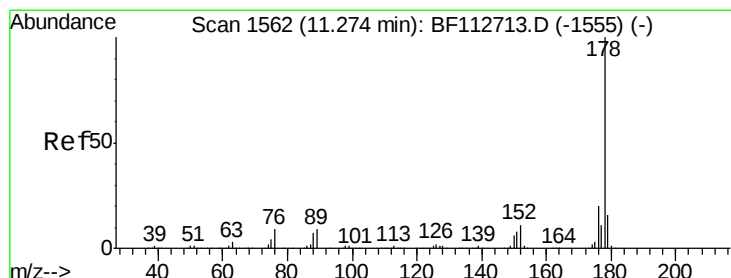
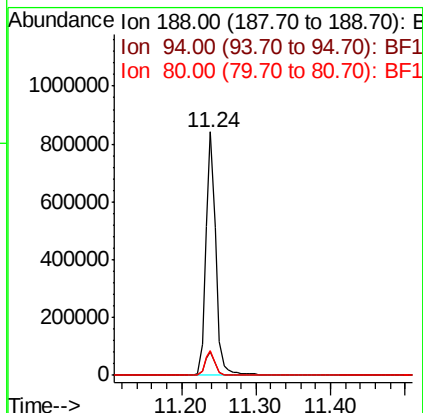
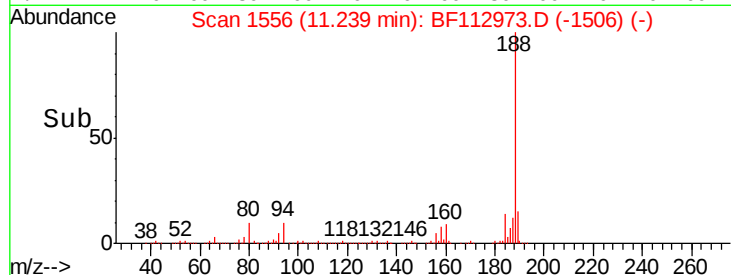
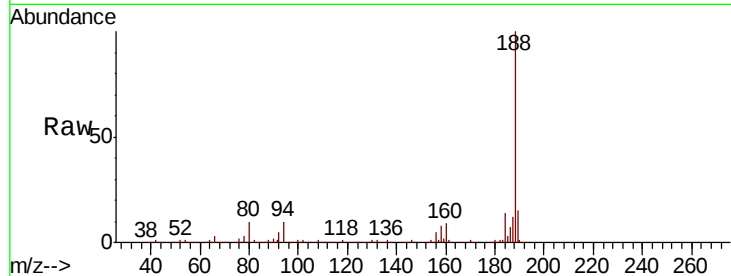
ClientSampleId :

CL-02-030819-C

Tot Ion:	188	Resp:	783071
Ion Ratio	Lower	Upper	
188	100		
94	9.6	9.0	13.4
80	10.2	9.2	13.8

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#71

Phenanthrene

Concen: 7.965 ng

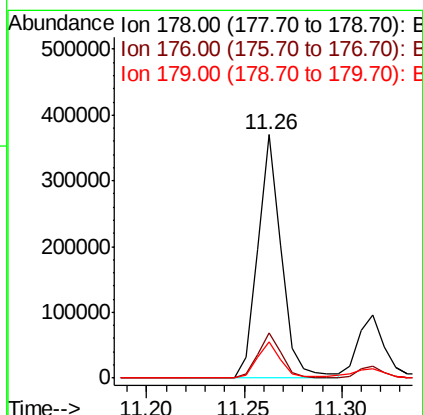
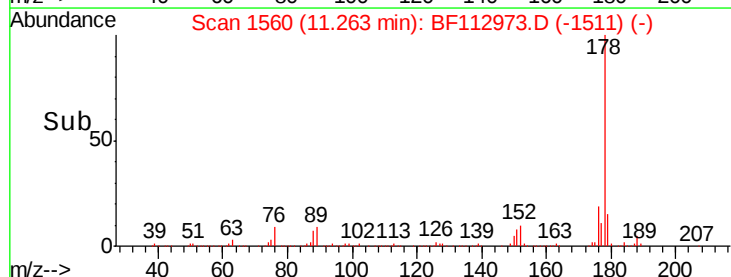
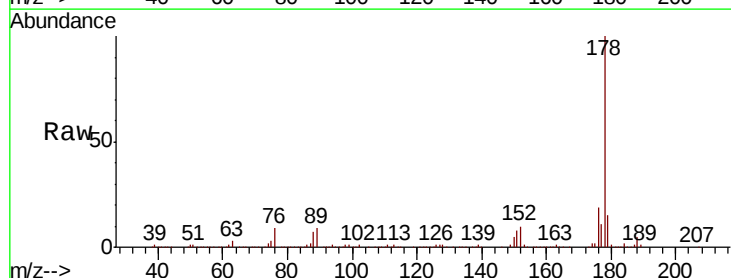
RT: 11.26 min Scan# 1560

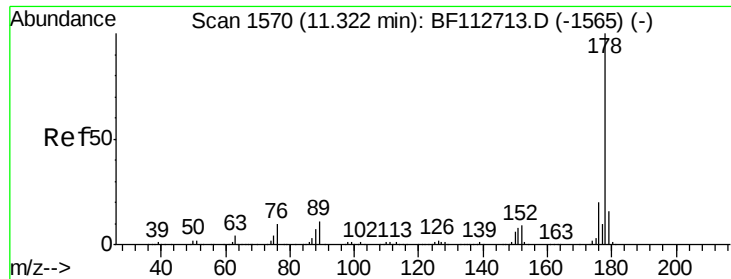
Delta R.T. -0.01 min

Lab File: BF112973.D

Acq: 11 Mar 2019 23:44

Tgt Ion:	178	Resp:	310330
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.3	24.5
179	14.8	12.7	19.1





#72

Anthracene

Concen: 2.313 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF112973.D

Acq: 11 Mar 2019 23:44

Instrument :

BNA_F

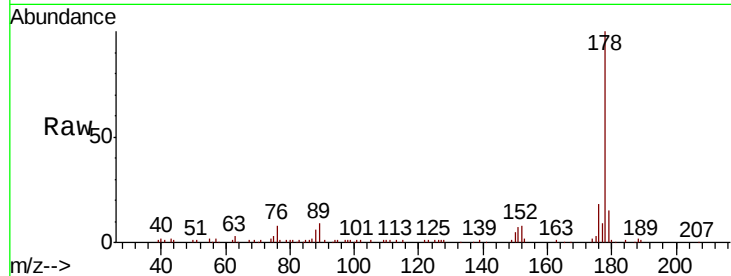
ClientSampleId :

CL-02-030819-C

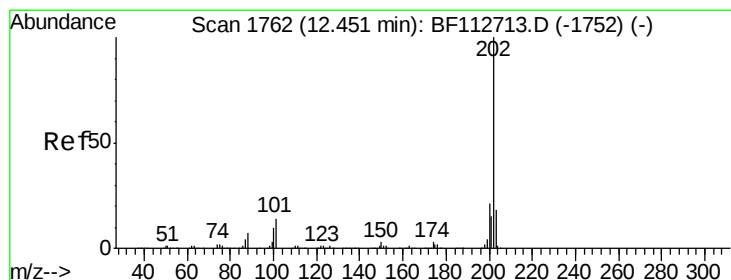
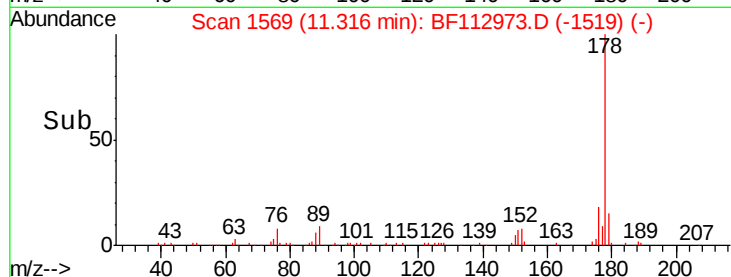
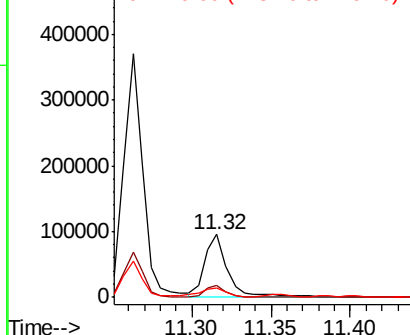
Tot Ion:	178	Resp:	94323
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.8	23.6
179	15.4	13.0	19.6

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 6.975 ng

RT: 12.45 min Scan# 1761

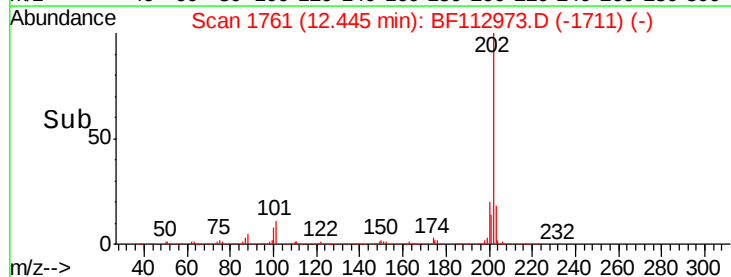
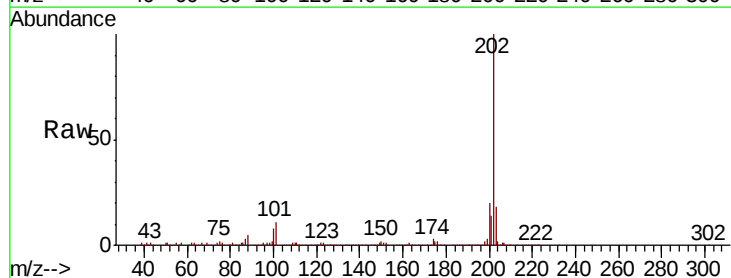
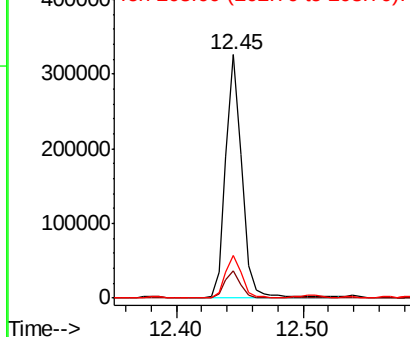
Delta R.T. -0.01 min

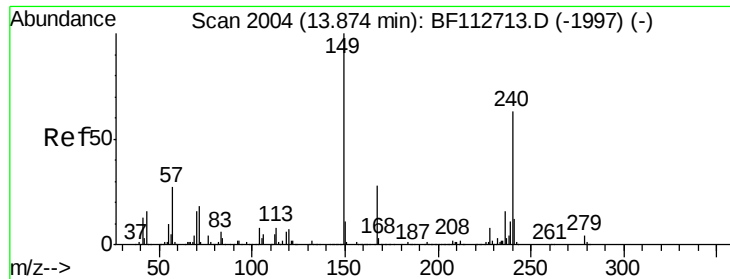
Lab File: BF112973.D

Acq: 11 Mar 2019 23:44

Tgt Ion:	202	Resp:	291170
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	33.8
203	17.5	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





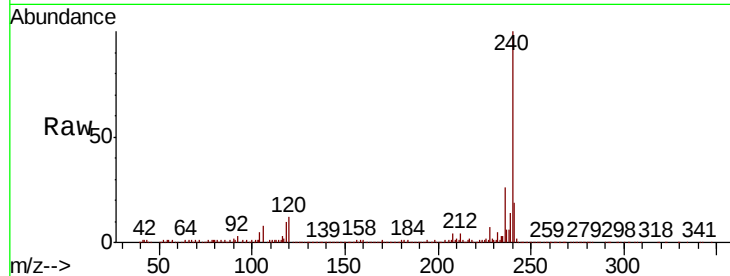
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

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

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	12.1	8.9	13.3
236	26.5	20.7	31.1

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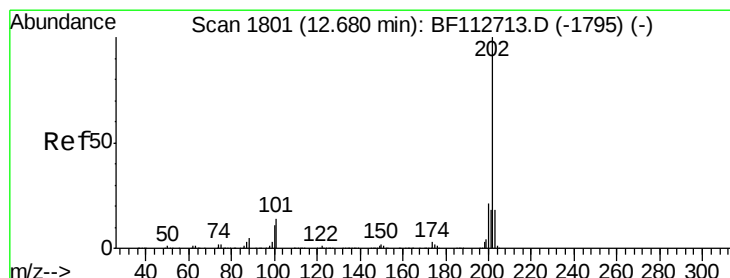
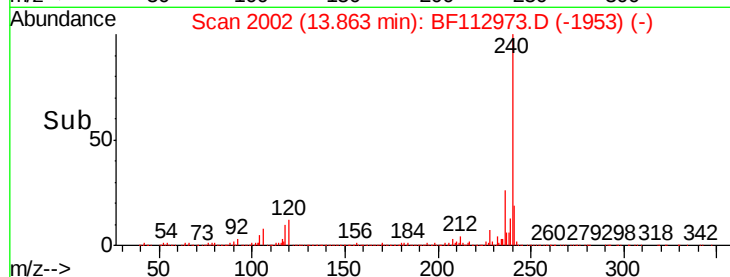
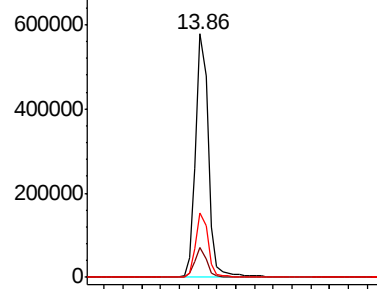


Abundance

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



#78
Pyrene
Concen: 5.238 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

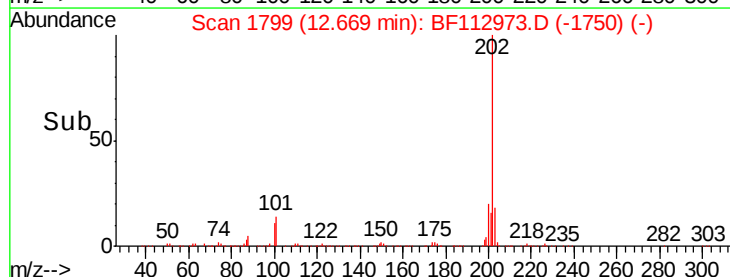
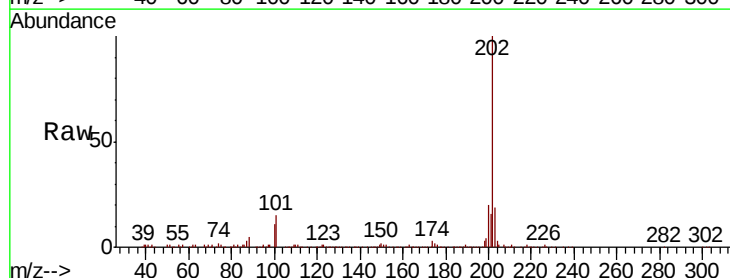
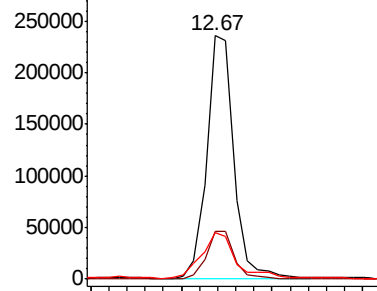
Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	19.7	17.0	25.4
203	18.9	14.4	21.6

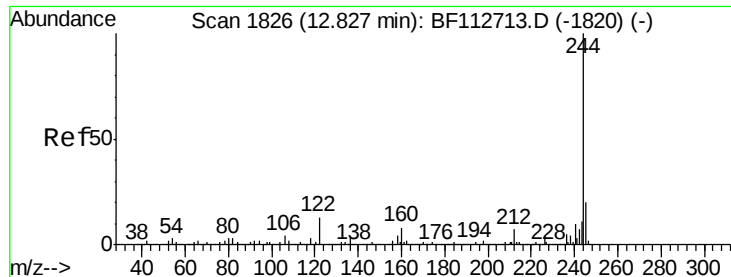
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 11.630 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF112973.D

Acq: 11 Mar 2019 23:44

Instrument :

BNA_F

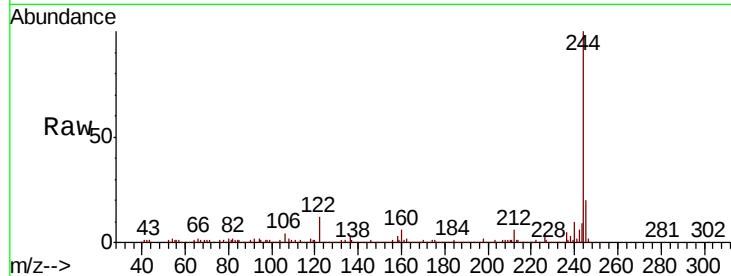
ClientSampleId :

CL-02-030819-C

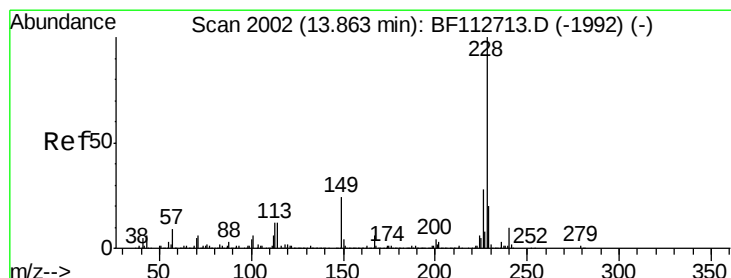
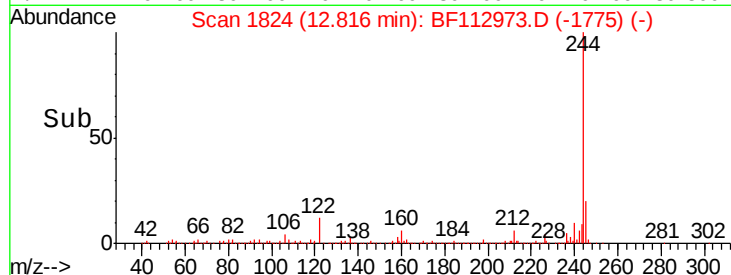
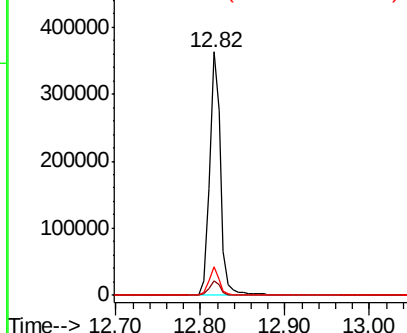
Tot Ion:	244	Resp:	330756
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.6	8.4
122	11.7	10.5	15.7

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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: 2.671 ng

RT: 13.86 min Scan# 2001

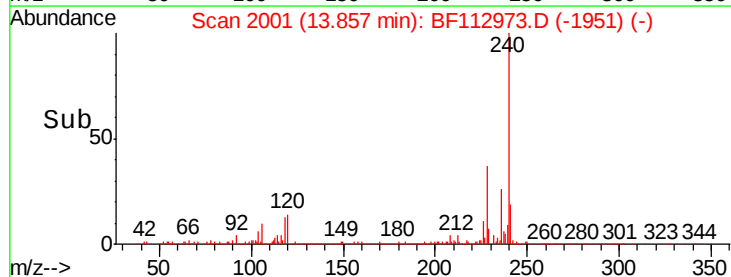
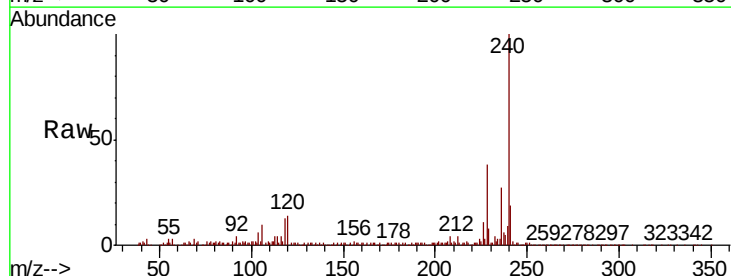
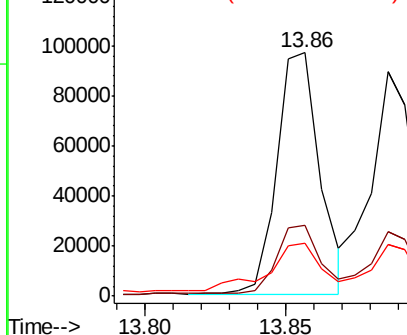
Delta R.T. -0.01 min

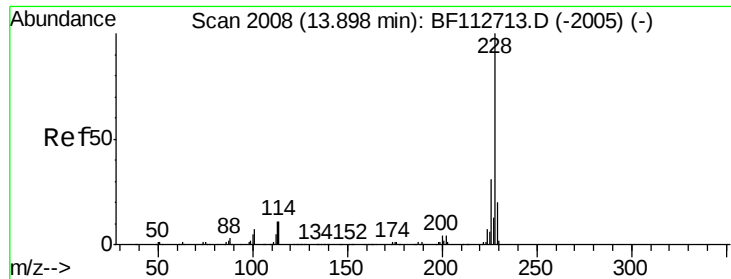
Lab File: BF112973.D

Acq: 11 Mar 2019 23:44

Tgt Ion:	228	Resp:	102071
Ion Ratio	Lower	Upper	
228	100		
226	29.3	22.2	33.4
229	21.6	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





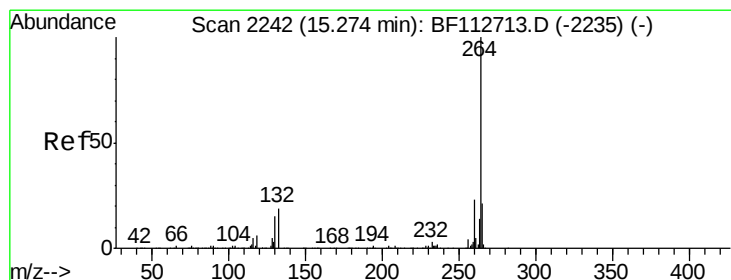
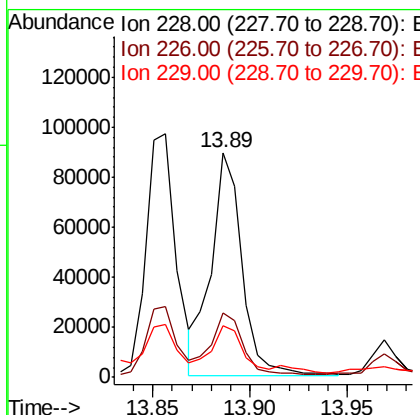
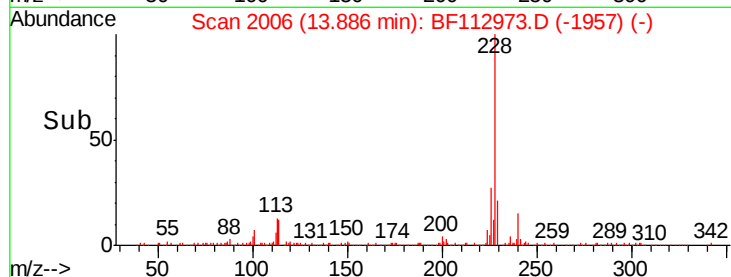
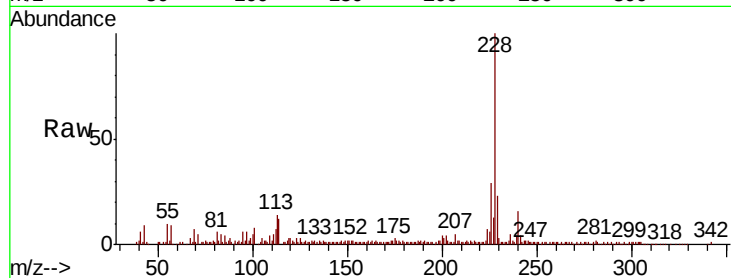
#83
Chrysene
Concen: 2.622 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

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

Tot Ion:	228	Resp:	98132
Ion Ratio	Lower	Upper	
228	100		
226	28.7	24.9	37.3
229	23.1	16.3	24.5

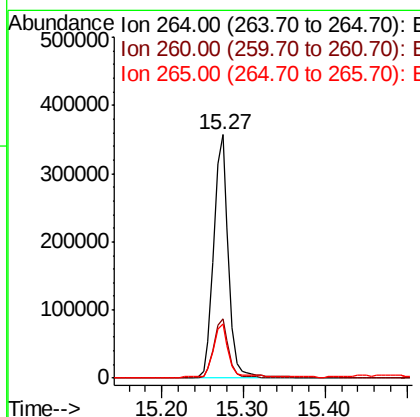
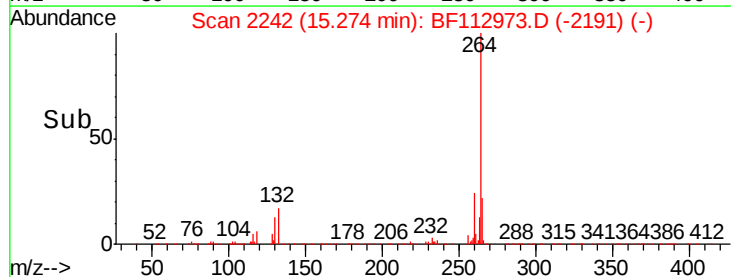
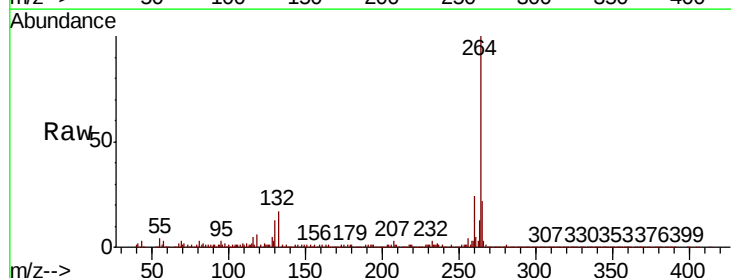
Manual Integrations
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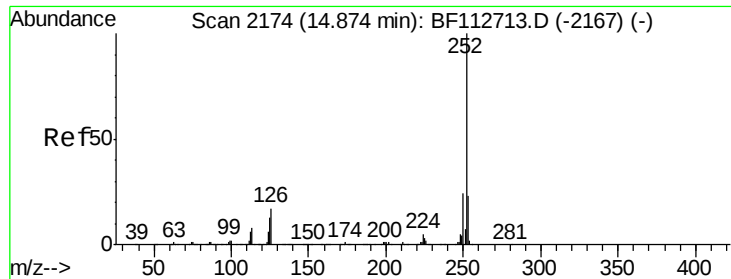
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.00 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

Tgt Ion:	264	Resp:	444186
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.7	28.1
265	22.1	17.2	25.8





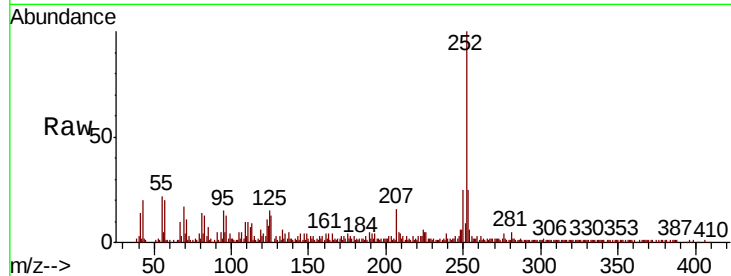
#88
Benzo(b)fluoranthene
Concen: 3.548 ng m
RT: 14.87 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.0	27.0
125	14.8	10.2	15.2

Manual Integrations
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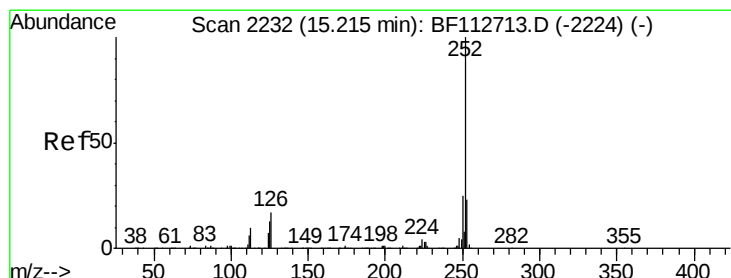
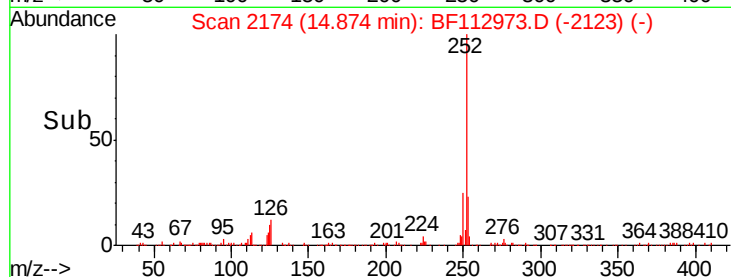
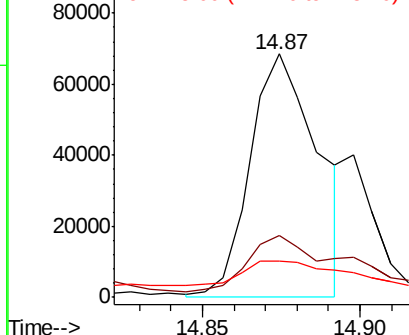


Abundance

Ion 252.00 (251.70 to 252.70): E

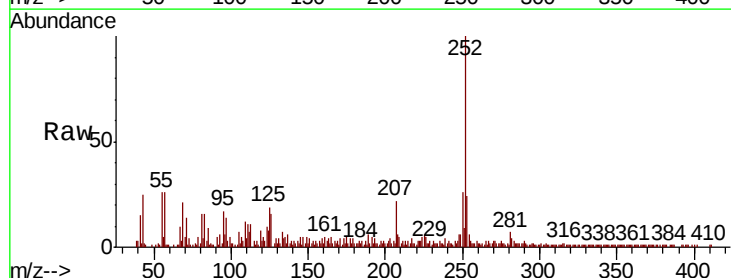
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.608 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	18.8	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

