

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
 Data File : BN007114.D
 Acq On : 13 Aug 2019 04:30
 Operator : HP/JU
 Sample : K4143-15
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-004-SW073-073019

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:52:23 AM

Quant Time: Aug 13 06:58:39 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Aug 10 21:44:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	9302	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	36108	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	21241	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	51412	0.40	ng	0.00
26) Chrysene-d12	21.05	240	50869	0.40	ng	-0.01
32) Perylene-d12	23.15	264	55087	0.40	ng	-0.02

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	6906	0.31	ng	0.00
4) Phenol-d6	6.61	99	9407	0.34	ng	0.00
7) Nitrobenzene-d5	8.56	82	7409	0.25	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	16945	0.25	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	2753	0.24	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	4128	0.13	ng	0.00
24) Fluoranthene-d10	18.87	212	43805	0.24	ng	0.00
28) Terphenyl-d14	19.49	244	34367	0.25	ng	-0.01

Target Compounds

						Qvalue
8) Naphthalene	10.24	128	3128	0.031	ng	# 89
11) 2-Methylnaphthalene	11.87	142	2813	0.039	ng	# 92
15) Acenaphthylene	13.79	152	19417	0.175	ng	98
17) Fluorene	15.14	166	3480	0.033	ng	# 81
22) Phenanthrene	16.87	178	66079	0.429	ng	100
23) Anthracene	16.95	178	16546	0.118	ng	# 96
25) Fluoranthene	18.90	202	165156	0.838	ng	100
27) Pyrene	19.26	202	163344	0.916	ng	96
29) Benzo(a)anthracene	21.02	228	81791m	0.440	ng	
30) Chrysene	21.08	228	107035	0.592	ng	96
31) Indeno(1,2,3-cd)pyrene	25.23	276	71731	0.360	ng	98
33) Benzo(b)fluoranthene	22.54	252	152886	0.809	ng	# 95
34) Benzo(k)fluoranthene	22.57	252	43028m	0.231	ng	
35) Benzo(a)pyrene	23.06	252	89279	0.521	ng	# 94
36) Dibenzo(a,h)anthracene	25.24	278	18248	0.107	ng	# 64
37) Benzo(g,h,i)perylene	25.86	276	74210	0.422	ng	95

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

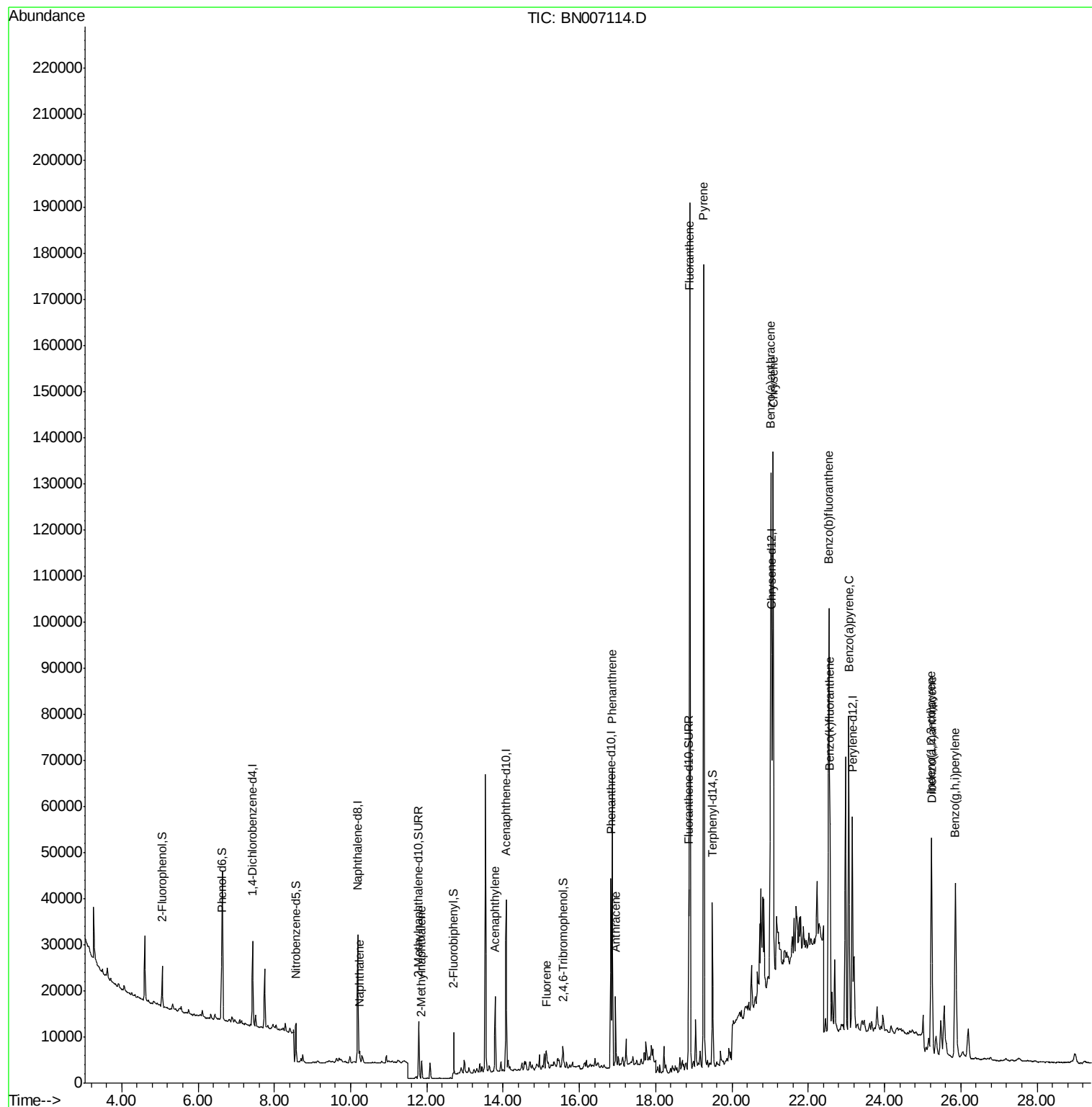
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007114.D
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#1

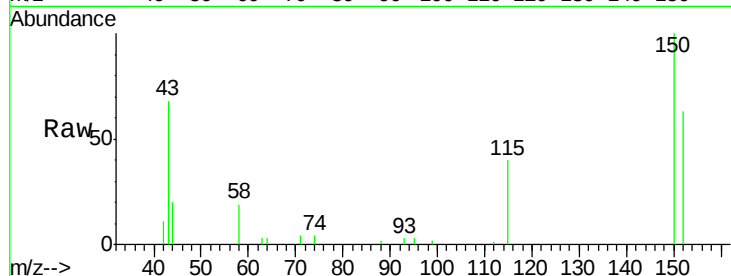
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007114.D
Acq: 13 Aug 2019 04:30

Instrument :
BNA_N
ClientSampleId :
EXT-004-SW073-073019

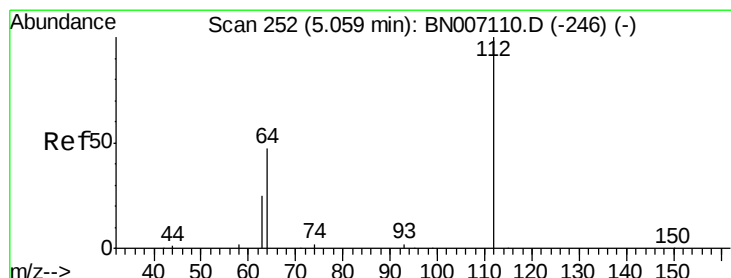
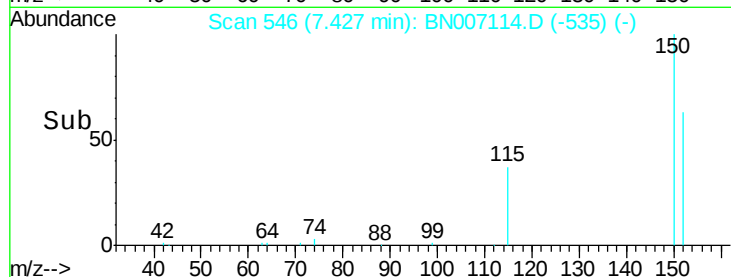
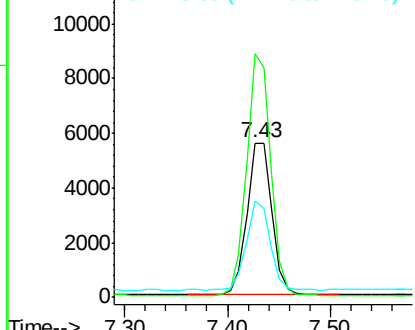
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	121.7	182.5
115	62.7	46.2	69.4

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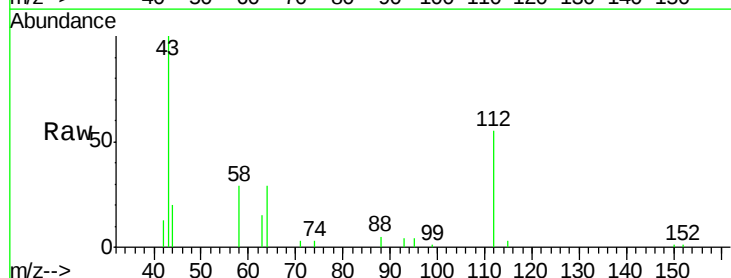
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



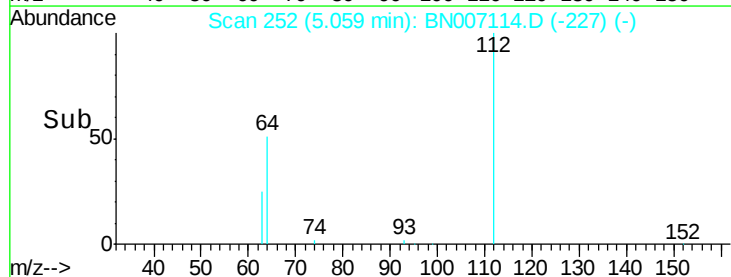
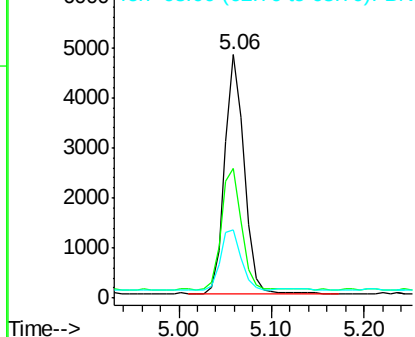
#3

2-Fluorophenol
Concen: 0.309 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007114.D
Acq: 13 Aug 2019 04:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	42.6	63.8
63	27.1	22.2	33.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC





#4

Phenol-d6

Concen: 0.340 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007114.D

Acq: 13 Aug 2019 04:30

Instrument :

BNA_N

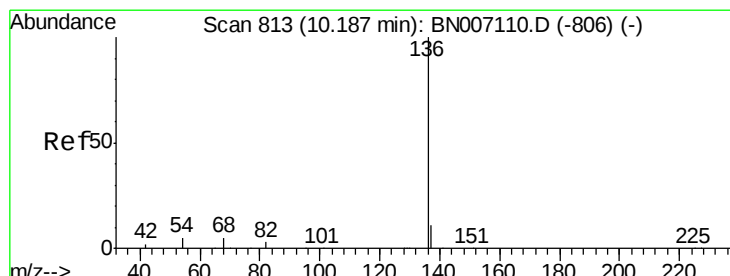
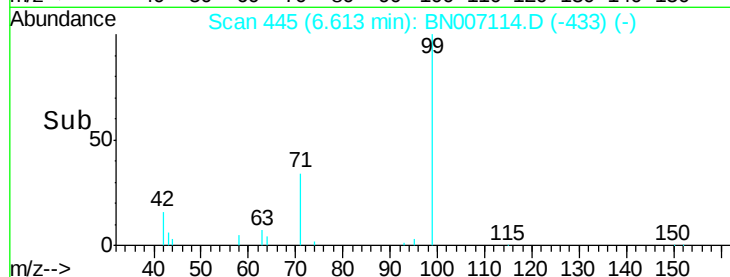
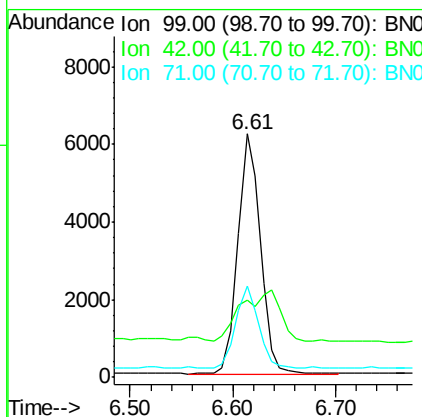
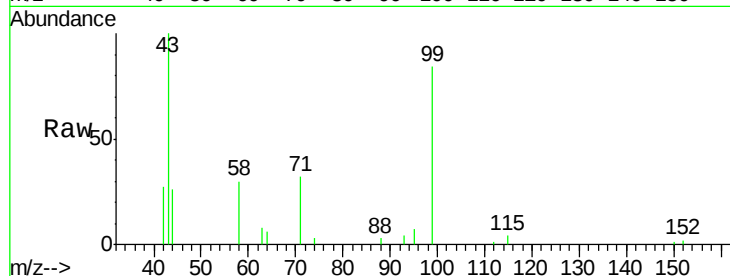
ClientSampleId :

EXT-004-SW073-073019

Tot Ion:	99	Resp:	9407
Ion Ratio	Lower	Upper	
99	100		
42	0.0	15.8	23.6#
71	34.6	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

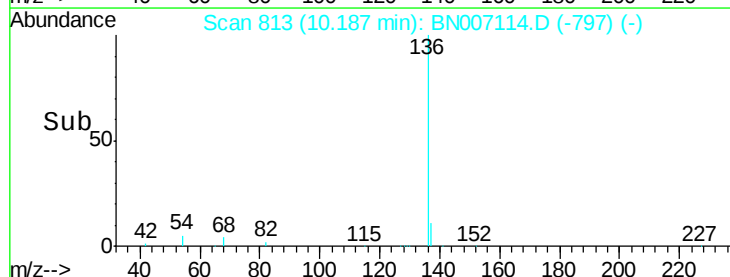
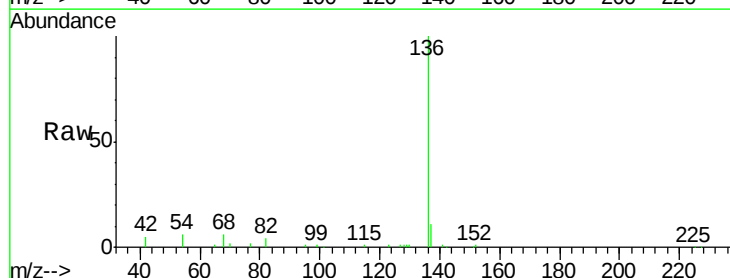
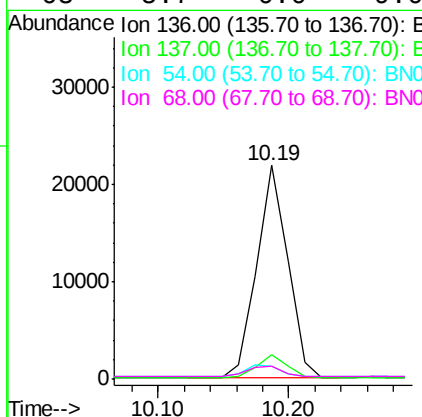
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007114.D

Acq: 13 Aug 2019 04:30

Tgt Ion:	136	Resp:	36108
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.4	14.0
54	6.3	6.6	9.8#
68	5.7	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.254 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007114.D

Acq: 13 Aug 2019 04:30

Instrument :

BNA_N

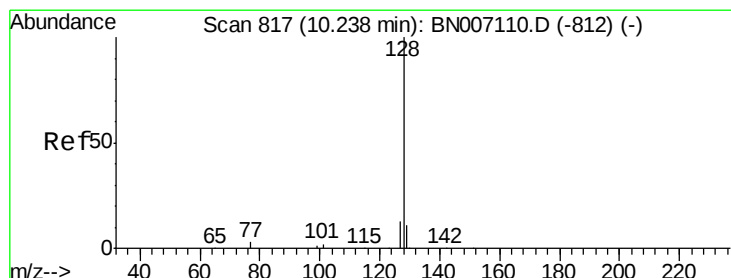
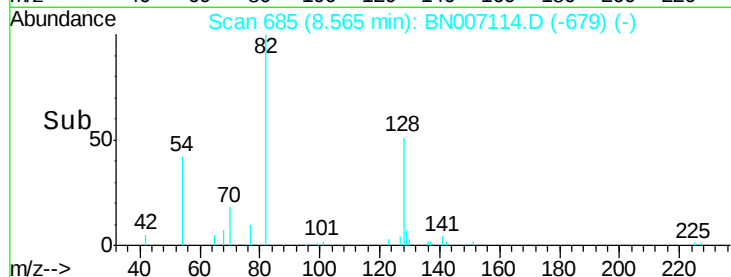
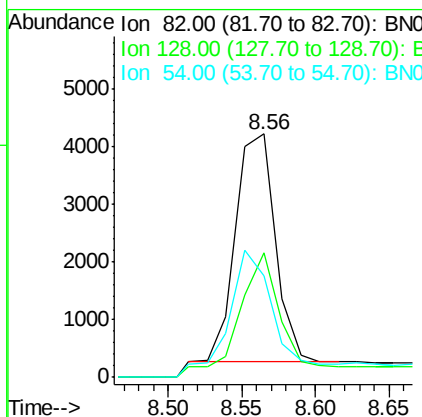
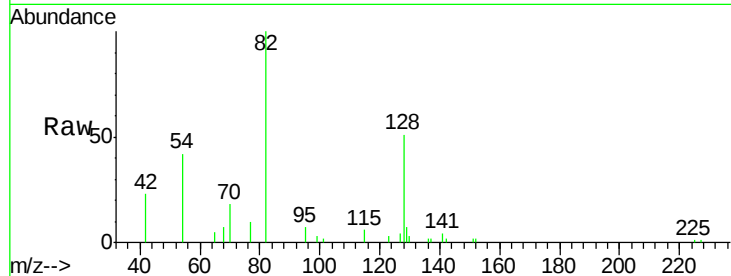
ClientSampleId :

EXT-004-SW073-073019

Tot Ion:	82	Resp:	7409
Ion	Ratio	Lower	Upper
82	100		
128	51.1	34.6	51.8
54	41.7	36.2	54.4

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#8

Naphthalene

Concen: 0.031 ng

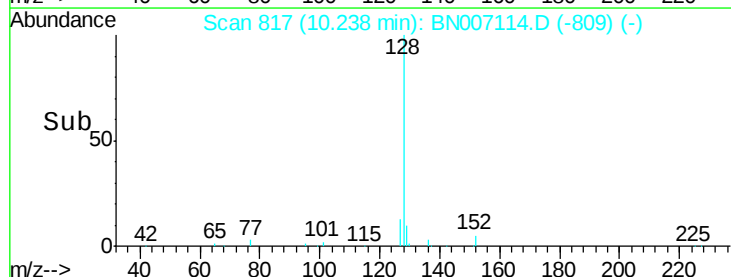
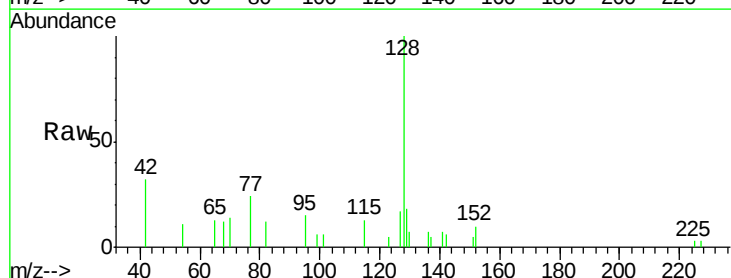
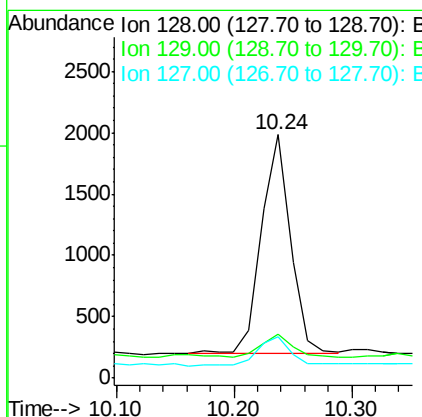
RT: 10.24 min Scan# 817

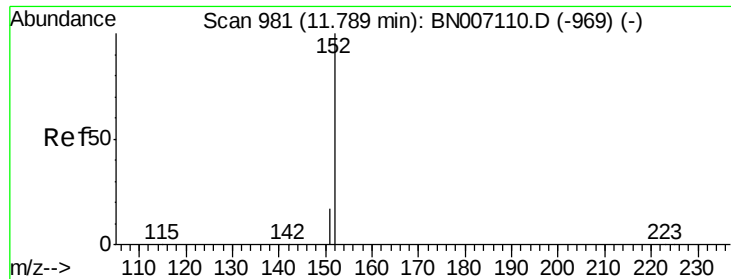
Delta R.T. -0.00 min

Lab File: BN007114.D

Acq: 13 Aug 2019 04:30

Tgt Ion:	128	Resp:	3128
Ion	Ratio	Lower	Upper
128	100		
129	18.0	9.4	14.2#
127	16.7	11.0	16.6#





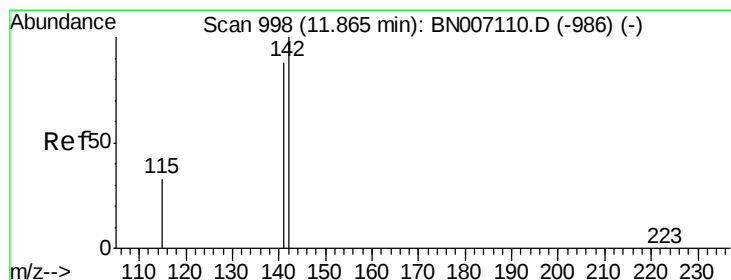
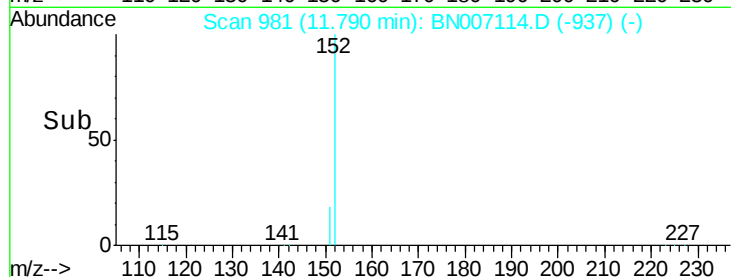
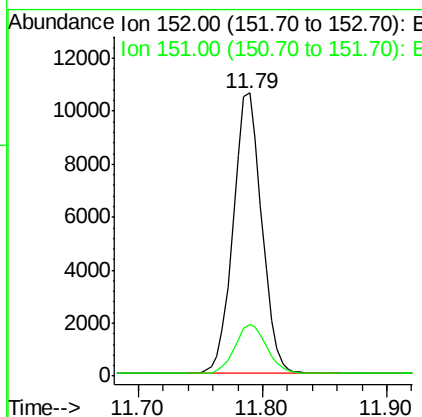
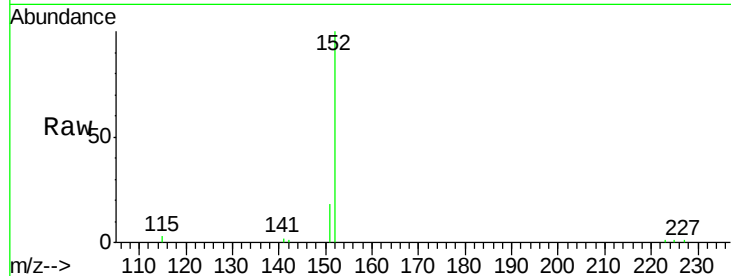
#10
2-Methylnaphthalene-d10
Concen: 0.252 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007114.D
Acq: 13 Aug 2019 04:30

Instrument :
BNA_N
ClientSampleId :
EXT-004-SW073-073019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		16945		
151	19.5		15.5	23.3	

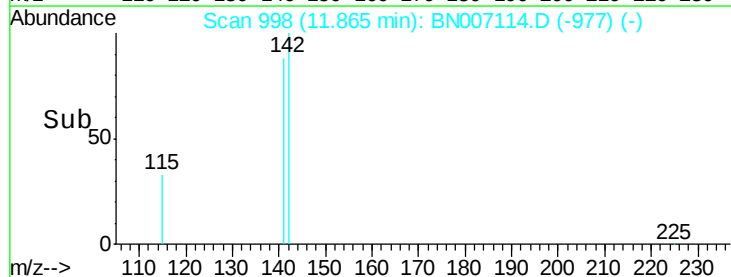
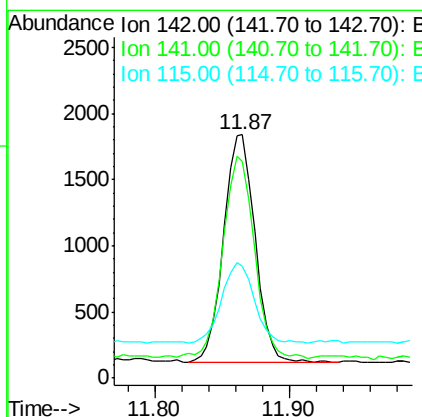
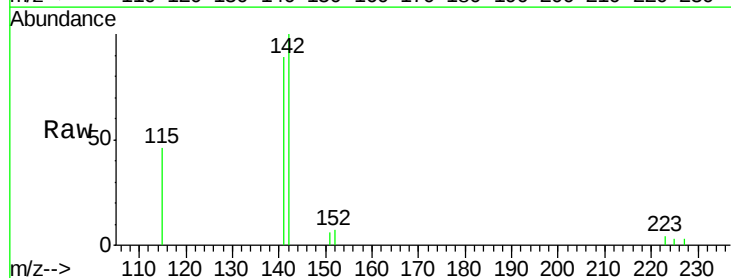
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#11
2-Methylnaphthalene
Concen: 0.039 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007114.D
Acq: 13 Aug 2019 04:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
142	100		2813		
141	89.2		69.0	103.6	
115	46.2		27.1	40.7#	





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007114.D

Acq: 13 Aug 2019 04:30

Instrument :

BNA_N

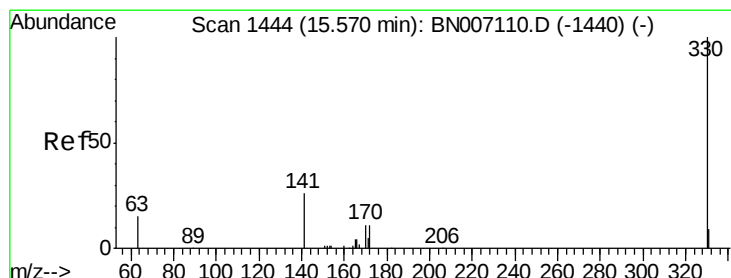
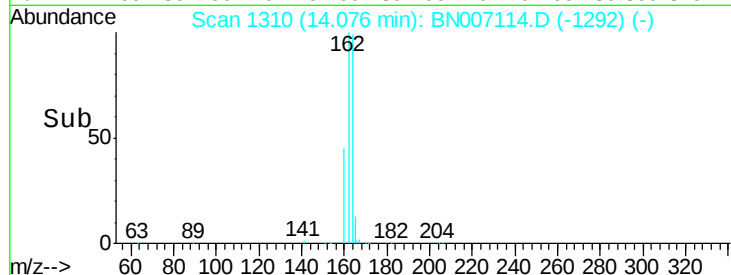
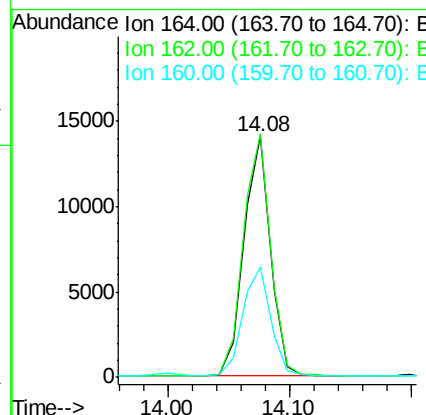
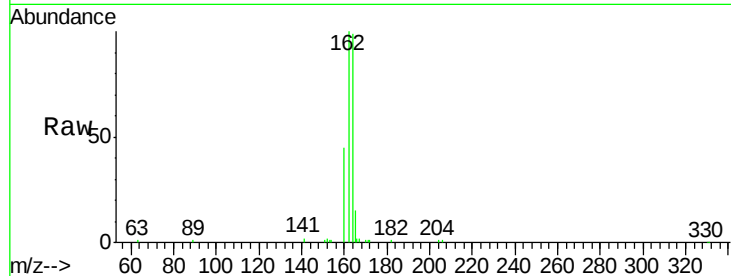
ClientSampleId :

EXT-004-SW073-073019

Tot Ion:	164	Resp:	21241
Ion Ratio	Lower	Upper	
164	100		
162	101.0	82.2	123.4
160	45.8	38.3	57.5

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#13

2,4,6-Tribromophenol

Concen: 0.241 ng

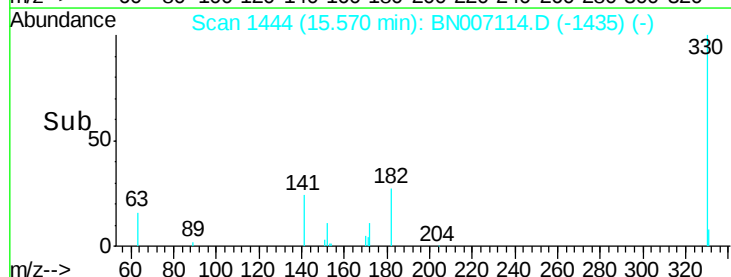
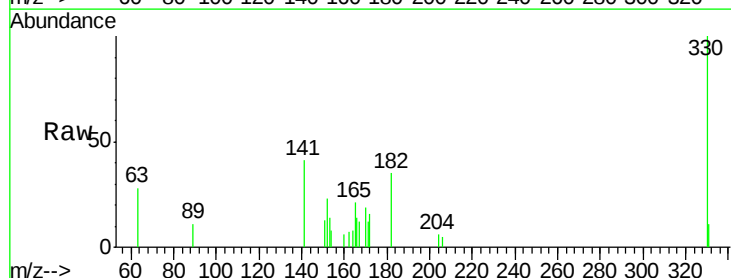
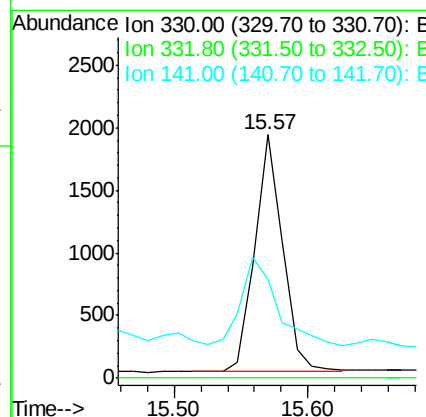
RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007114.D

Acq: 13 Aug 2019 04:30

Tgt Ion:	330	Resp:	2753
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	48.1	33.6	50.4





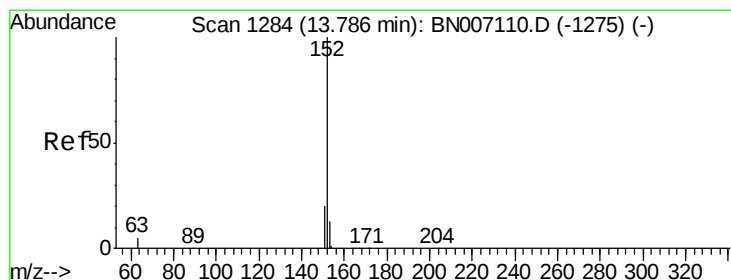
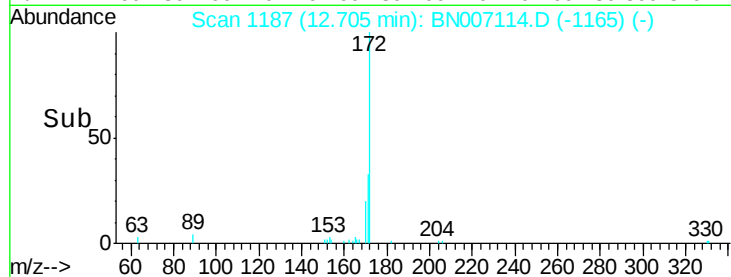
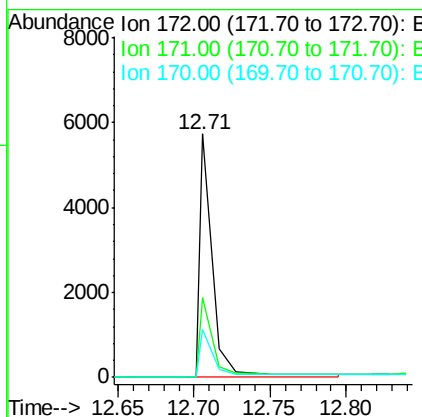
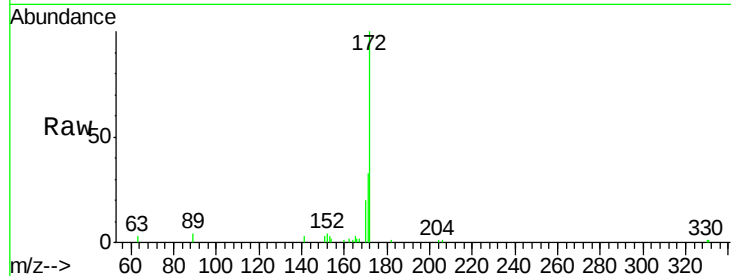
#14
2-Fluorobiphenyl
Concen: 0.134 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007114.D
Acq: 13 Aug 2019 04:30

Instrument :
BNA_N
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EXT-004-SW073-073019

Tot Ion	Ratio	Lower	Upper
172	100		
171	32.6	26.3	39.5
170	19.8	17.0	25.4

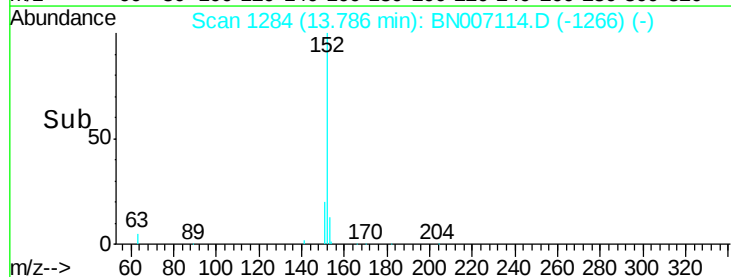
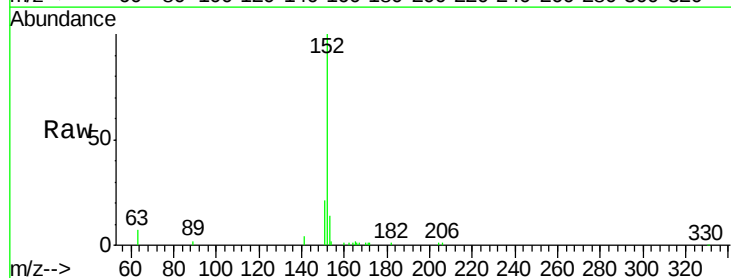
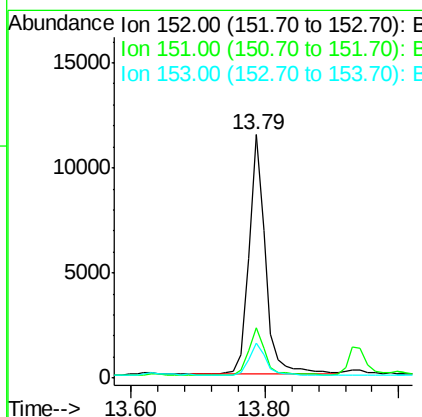
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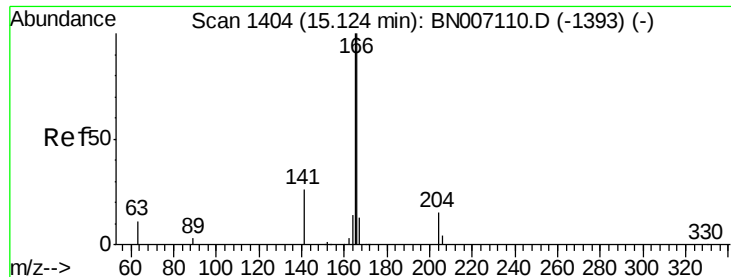
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#15
Acenaphthylene
Concen: 0.175 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007114.D
Acq: 13 Aug 2019 04:30

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.6
153	14.0	10.4	15.6





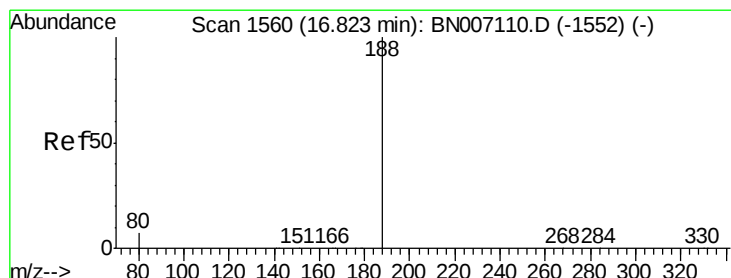
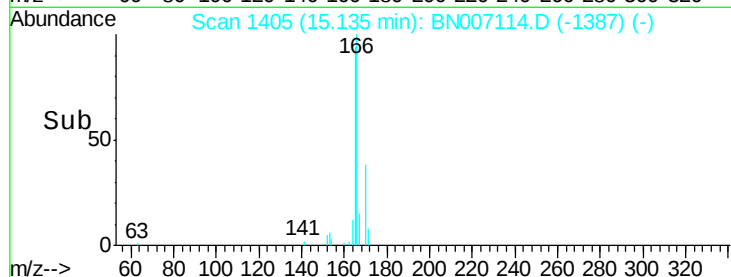
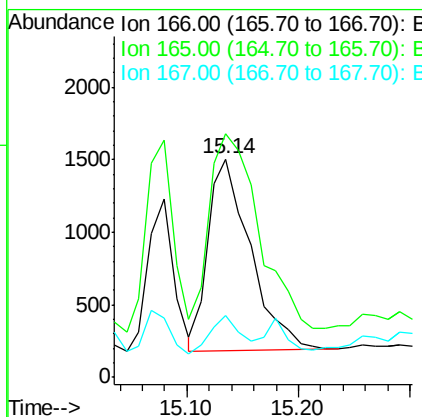
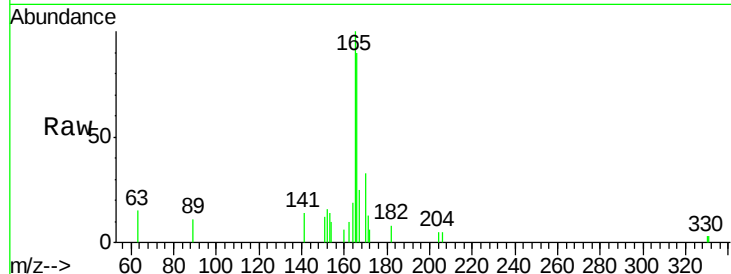
#17
Fluorene
 Concen: 0.033 ng
 RT: 15.14 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: BN007114.D
 Acq: 13 Aug 2019 04:30

Instrument :
 BNA_N
 ClientSampleId :
 EXT-004-SW073-073019

Tot Ion	Ratio	Lower	Upper
166	100		
165	118.9	77.9	116.9#
167	14.4	10.9	16.3

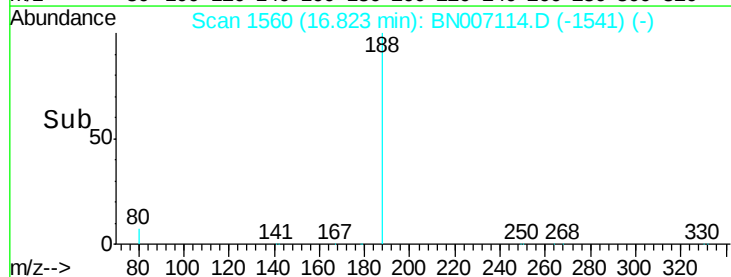
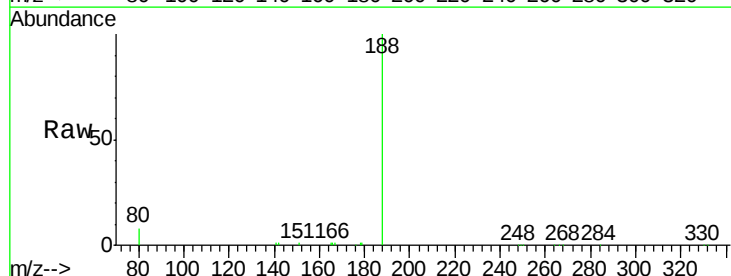
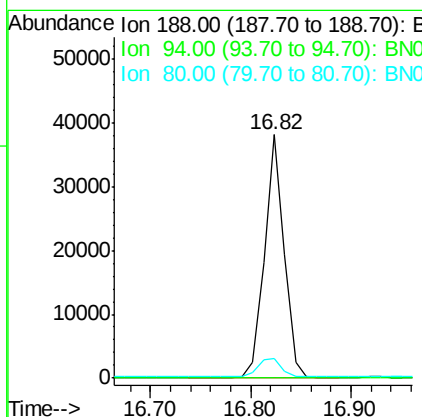
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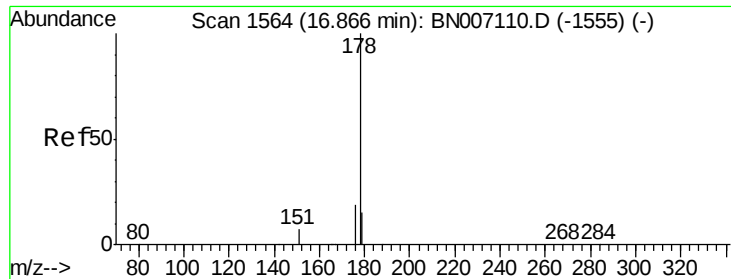
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#18
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007114.D
 Acq: 13 Aug 2019 04:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.8	7.8	11.6





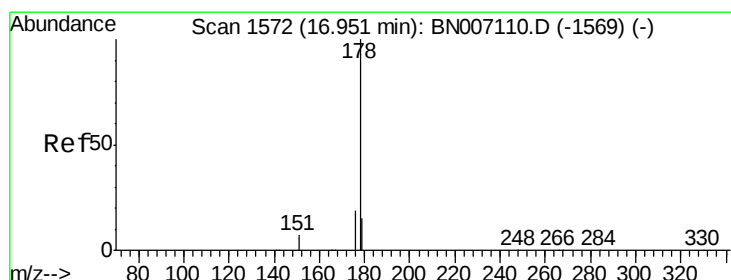
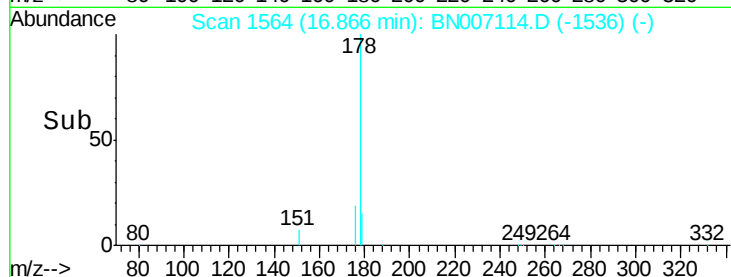
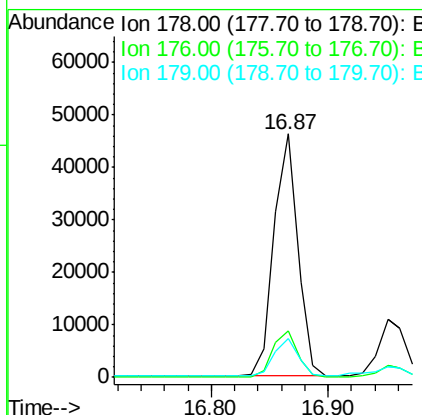
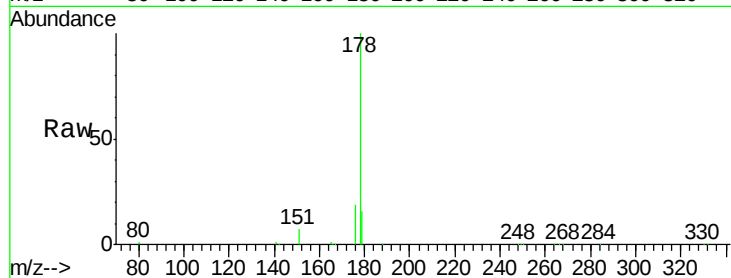
#22
Phenanthrene
Concen: 0.429 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007114.D
Acq: 13 Aug 2019 04:30

Instrument :
BNA_N
ClientSampleId :
EXT-004-SW073-073019

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	15.7	12.3	18.5

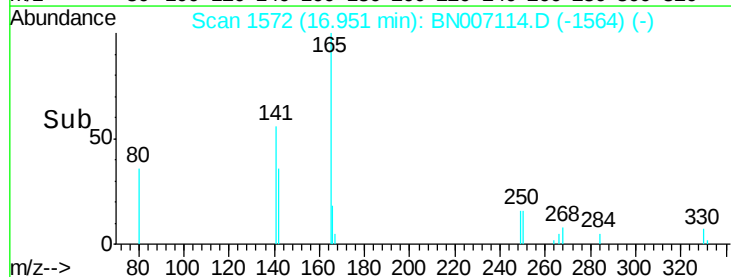
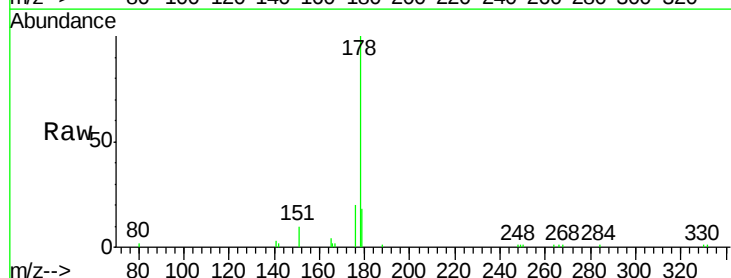
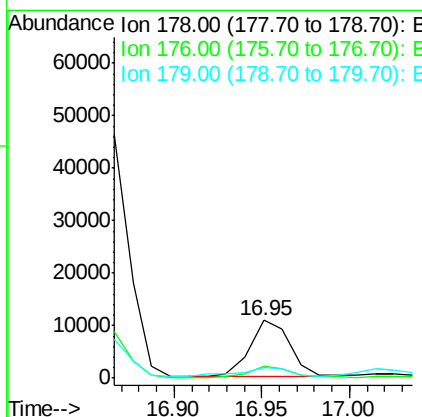
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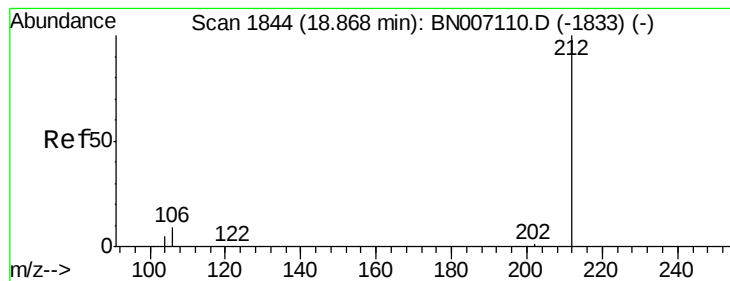
mohammad
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#23
Anthracene
Concen: 0.118 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007114.D
Acq: 13 Aug 2019 04:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.6	21.8
179	18.9	12.5	18.7#





#24

Fluoranthene-d10

Concen: 0.240 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007114.D

Acq: 13 Aug 2019 04:30

Instrument :

BNA_N

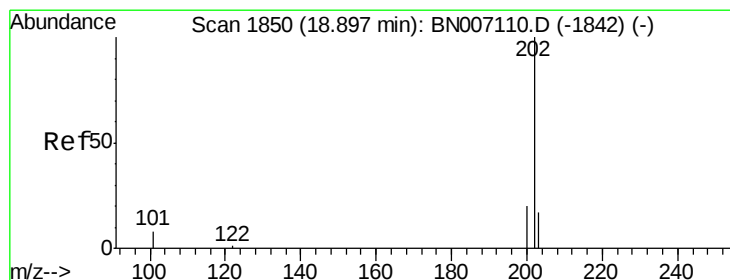
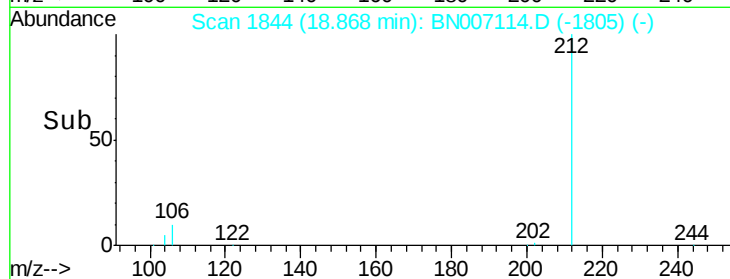
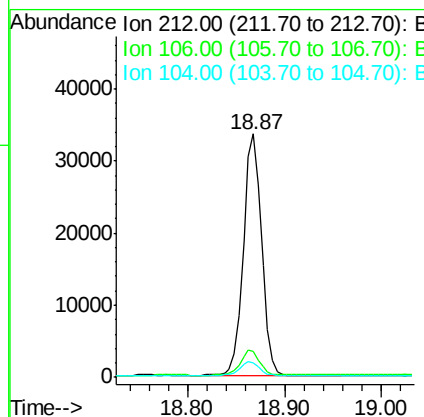
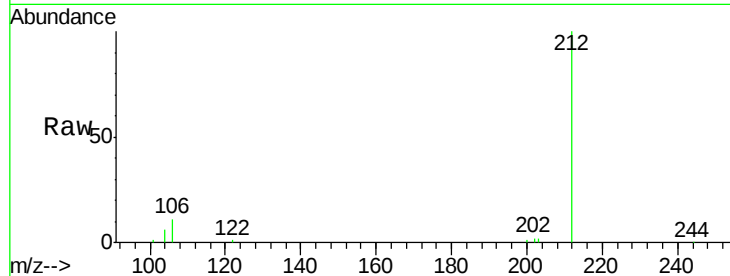
ClientSampleId :

EXT-004-SW073-073019

Tot Ion:	212	Resp:	43805
Ion Ratio	Lower	Upper	
212	100		
106	10.5	8.2	12.2
104	6.0	4.5	6.7

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#25

Fluoranthene

Concen: 0.838 ng

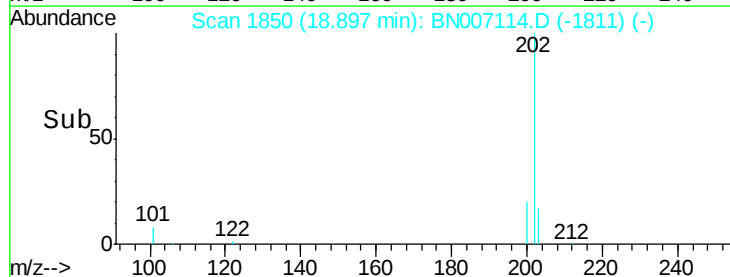
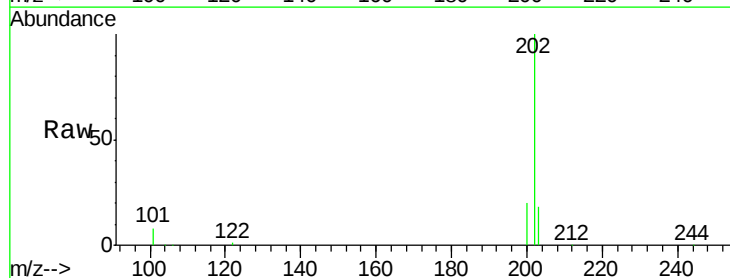
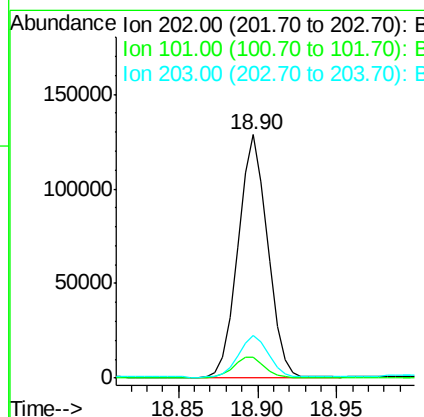
RT: 18.90 min Scan# 1850

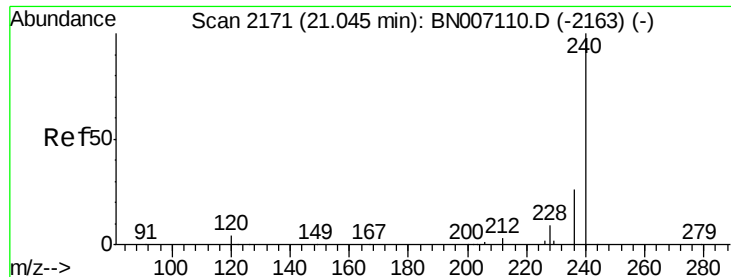
Delta R.T. -0.01 min

Lab File: BN007114.D

Acq: 13 Aug 2019 04:30

Tgt Ion:	202	Resp:	165156
Ion Ratio	Lower	Upper	
202	100		
101	8.7	7.0	10.4
203	17.5	13.8	20.8





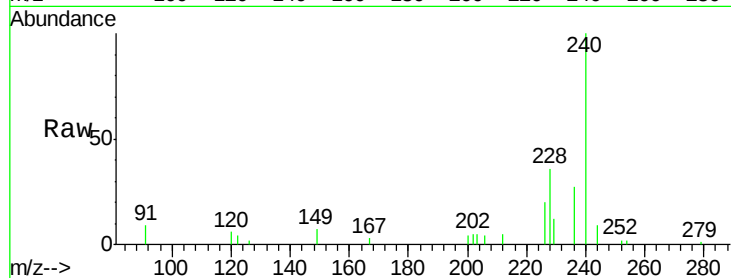
#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007114.D
Acq: 13 Aug 2019 04:30

Instrument :
BNA_N
ClientSampleId :
EXT-004-SW073-073019

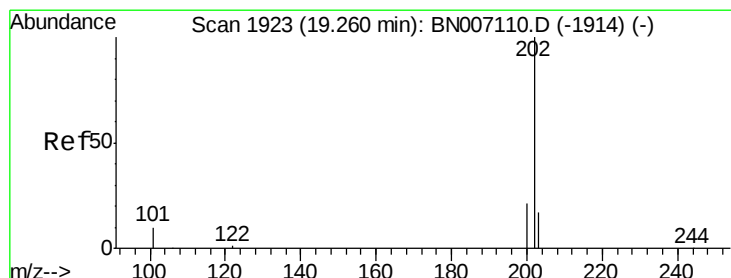
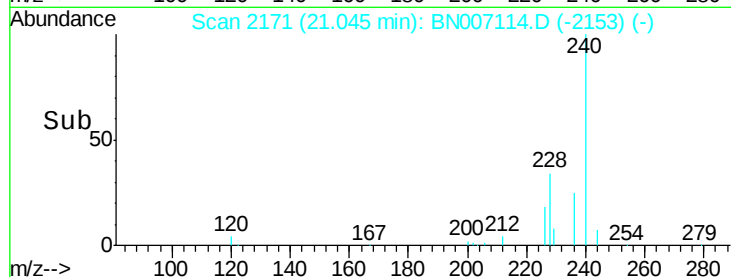
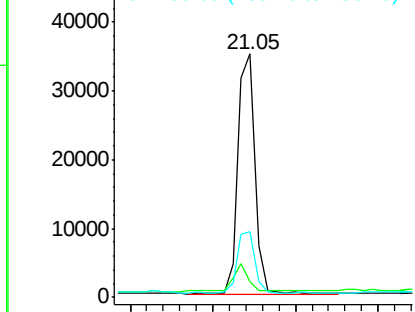
Tot Ion	Ratio	Lower	Upper
240	100		
120	6.5	4.0	6.0#
236	27.2	21.3	31.9

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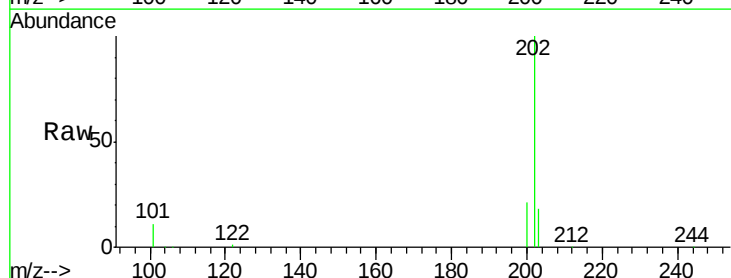


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

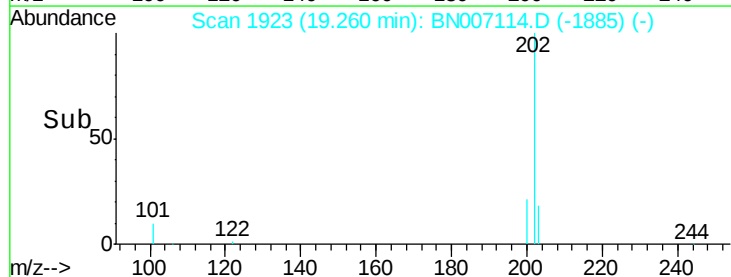
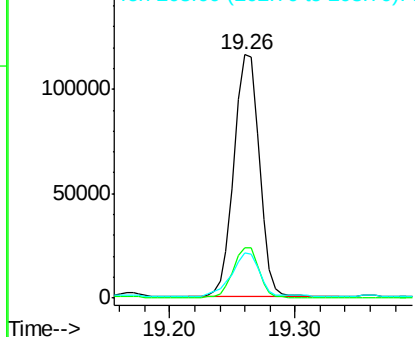


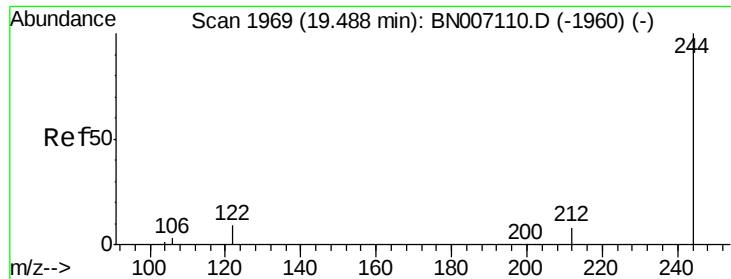
#27
Pyrene
Concen: 0.916 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007114.D
Acq: 13 Aug 2019 04:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	20.9	14.0	21.0



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





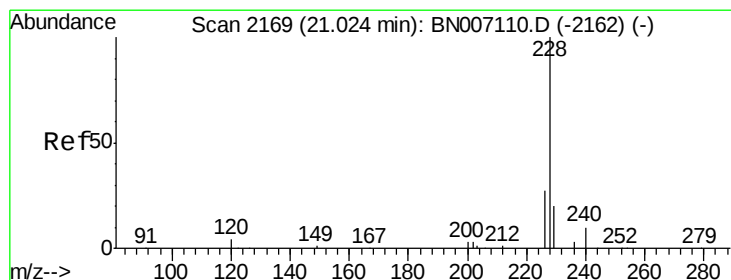
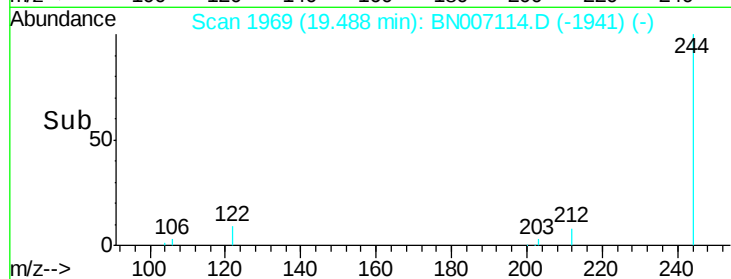
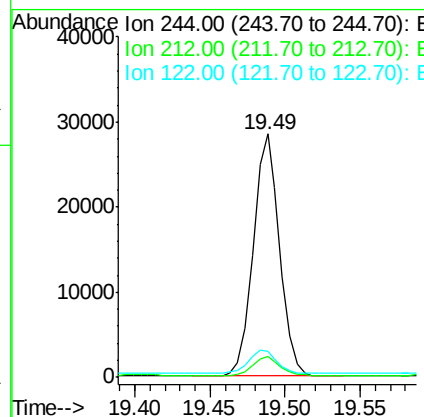
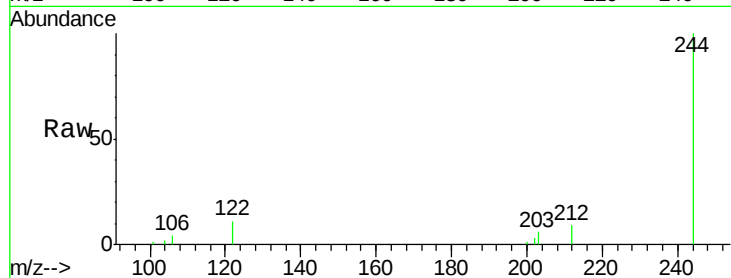
#28
 Terphenyl-d14
 Concen: 0.248 ng
 RT: 19.49 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BN007114.D
 Acq: 13 Aug 2019 04:30

Instrument :
 BNA_N
 ClientSampleId :
 EXT-004-SW073-073019

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.2	9.2
122	10.7	7.4	11.2

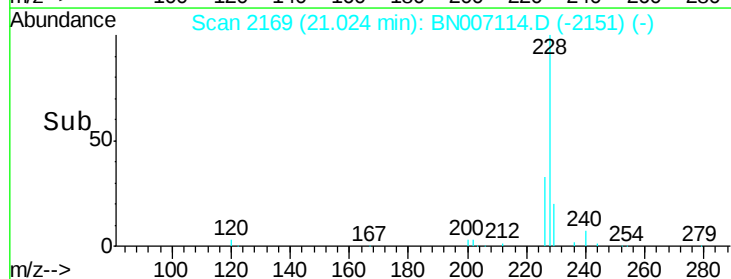
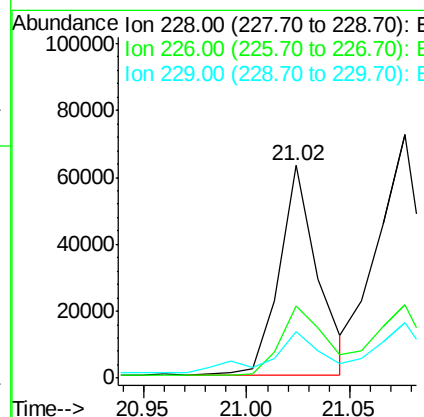
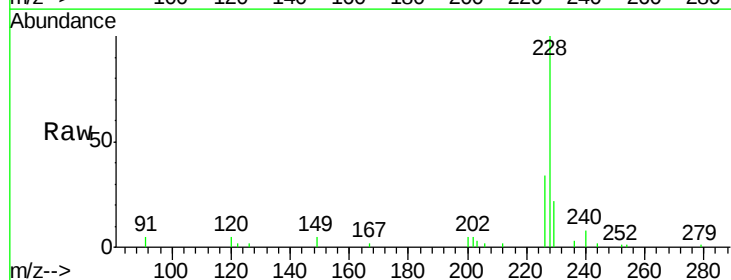
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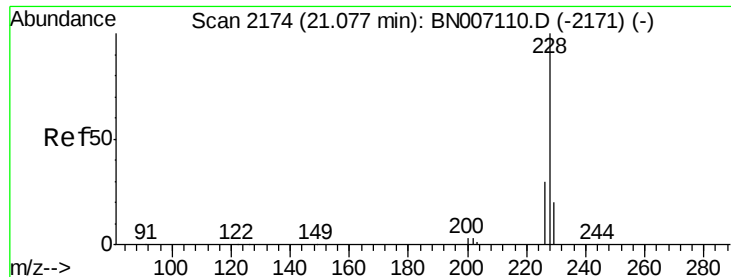
mohammad
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#29
 Benzo(a)anthracene
 Concen: 0.440 ng m
 RT: 21.02 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BN007114.D
 Acq: 13 Aug 2019 04:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.2	21.8	32.6#
229	22.0	15.6	23.4





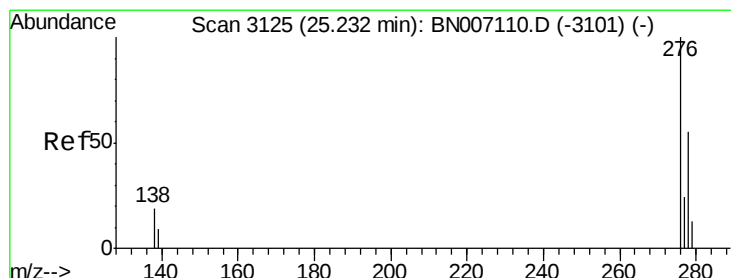
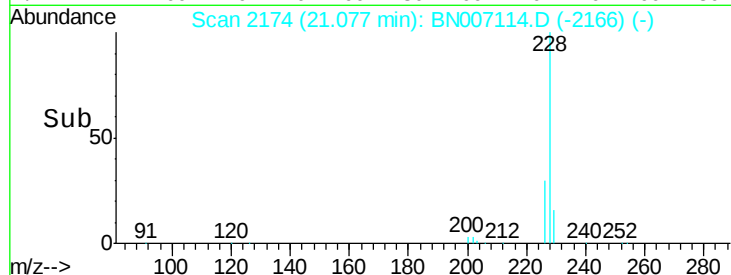
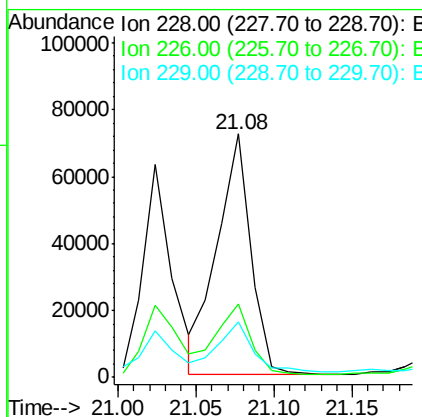
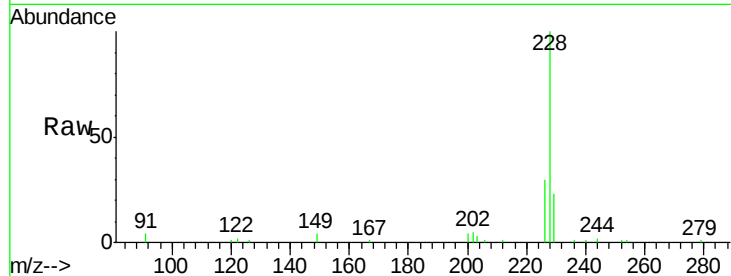
#30
Chrysene
Concen: 0.592 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007114.D
Acq: 13 Aug 2019 04:30

Instrument :
BNA_N
ClientSampleId :
EXT-004-SW073-073019

Tot Ion:	228	Resp:	107035
Ion Ratio	Lower	Upper	
228	100		
226	30.4	23.8	35.6
229	22.8	15.7	23.5

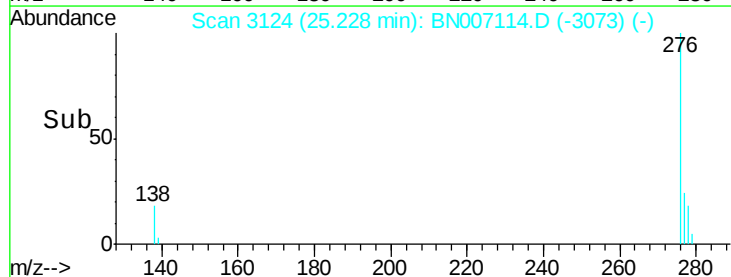
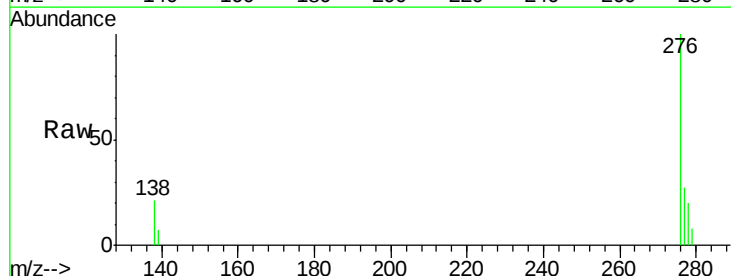
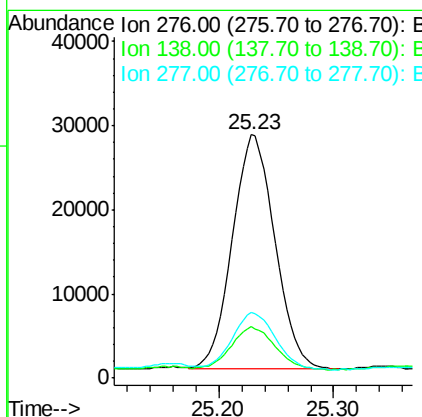
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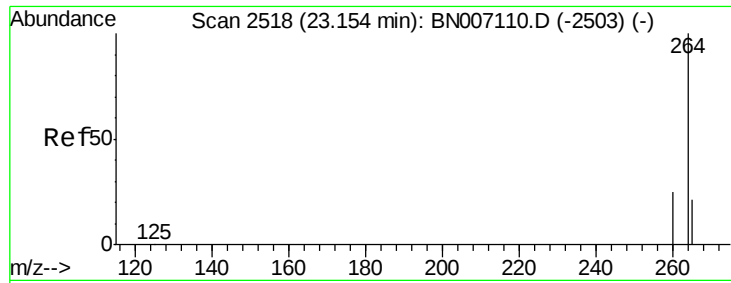
mohammad
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#31
Indeno(1,2,3-cd)pyrene
Concen: 0.360 ng
RT: 25.23 min Scan# 3124
Delta R.T. -0.02 min
Lab File: BN007114.D
Acq: 13 Aug 2019 04:30

Tgt Ion:	276	Resp:	71731
Ion Ratio	Lower	Upper	
276	100		
138	18.7	16.0	24.0
277	24.4	19.9	29.9





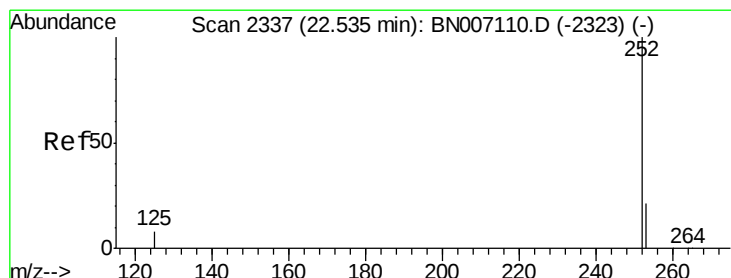
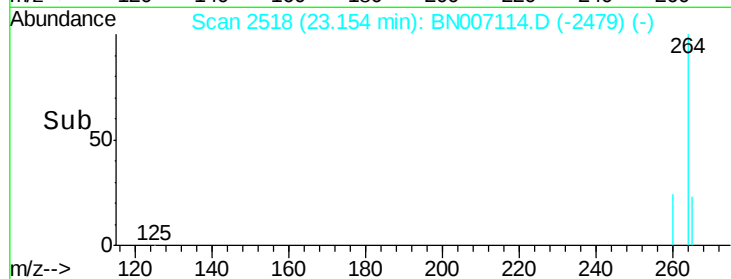
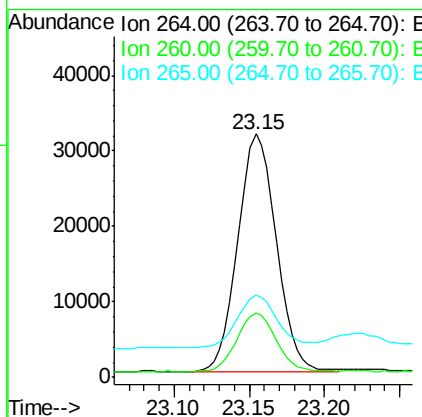
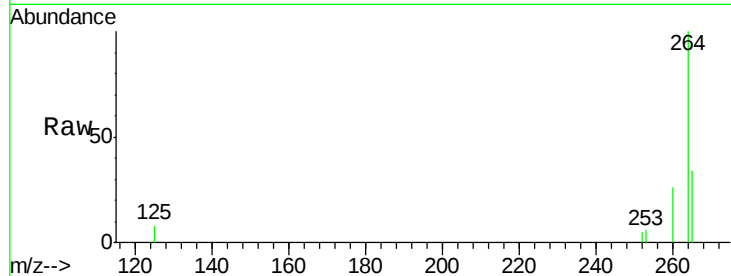
#32
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.15 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BN007114.D
 Acq: 13 Aug 2019 04:30

Instrument :
 BNA_N
 ClientSampleId :
 EXT-004-SW073-073019

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.3	19.8	29.8
265	33.8	26.2	39.4

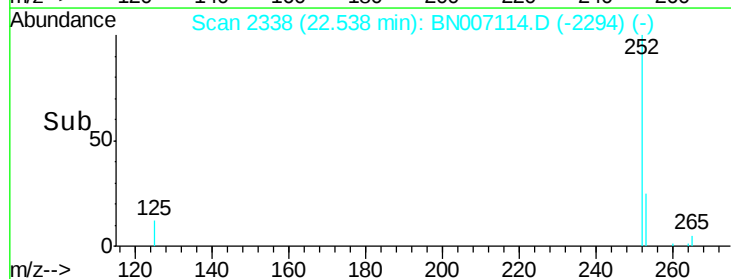
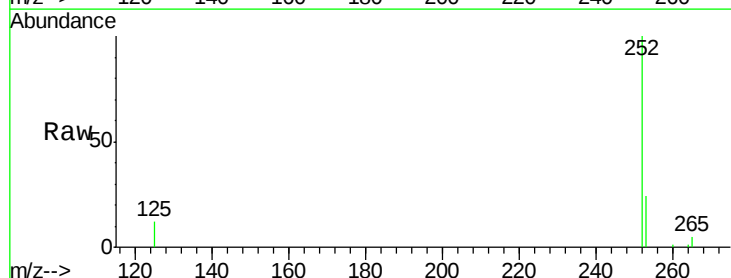
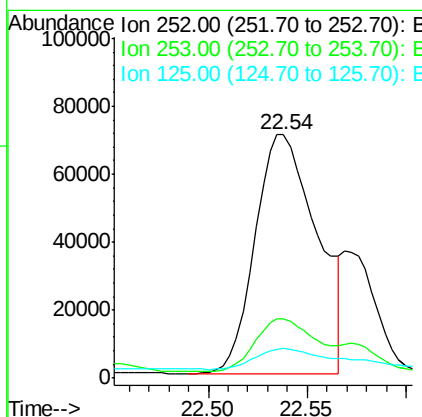
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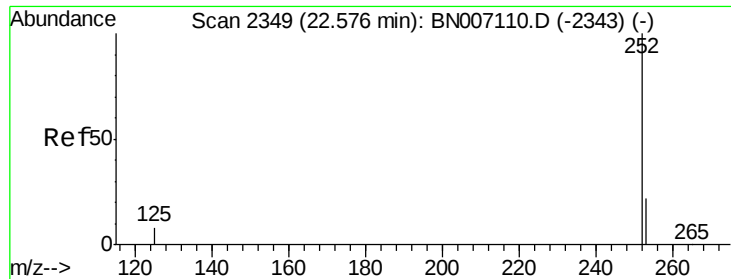
mohammad
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#33
 Benzo(b)fluoranthene
 Concen: 0.809 ng
 RT: 22.54 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: BN007114.D
 Acq: 13 Aug 2019 04:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	12.1	7.4	11.0





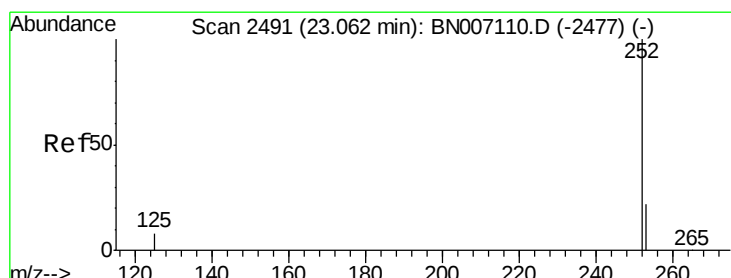
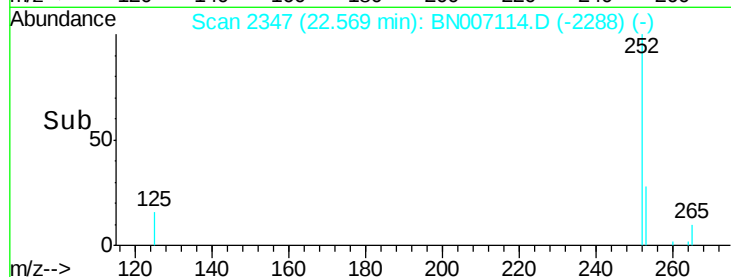
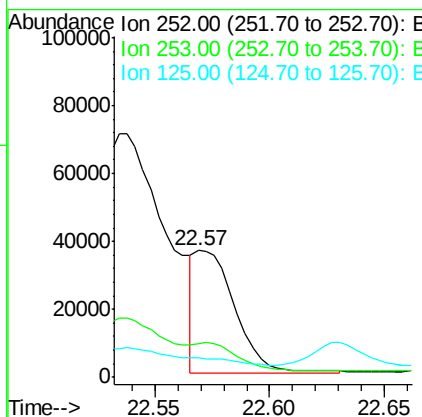
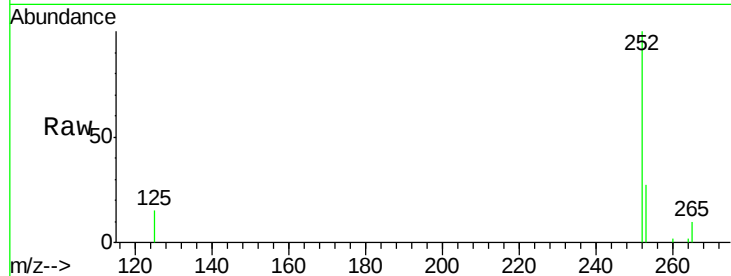
#34
Benzo(k)fluoranthene
Concen: 0.231 ng m
RT: 22.57 min Scan# 2347
Delta R.T. -0.02 min
Lab File: BN007114.D
Acq: 13 Aug 2019 04:30

Instrument :
BNA_N
ClientSampleId :
EXT-004-SW073-073019

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.1	27.1
125	15.2	7.4	11.0

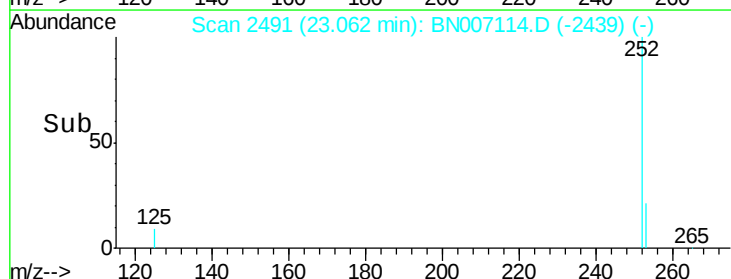
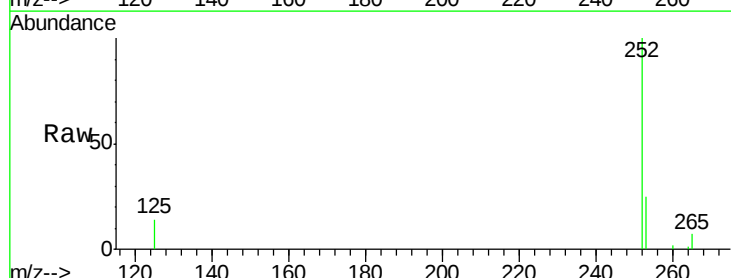
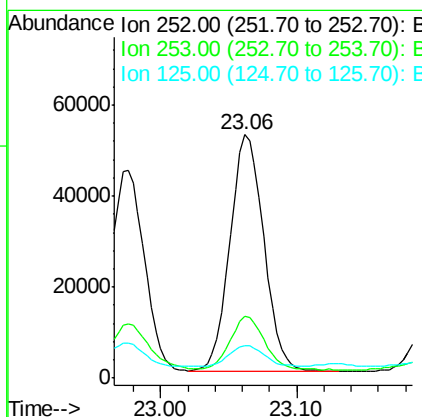
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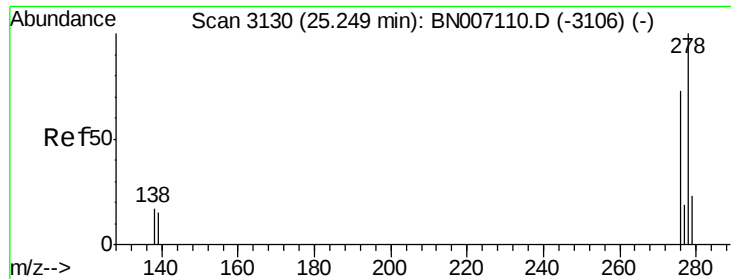
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#35
Benzo(a)pyrene
Concen: 0.521 ng
RT: 23.06 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007114.D
Acq: 13 Aug 2019 04:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.5	27.7
125	13.5	8.2	12.4





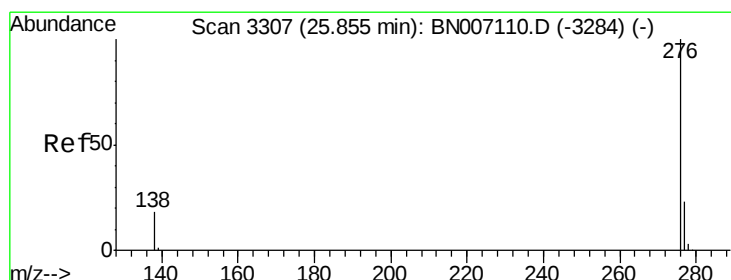
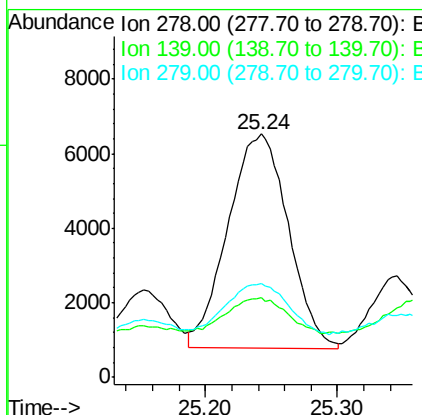
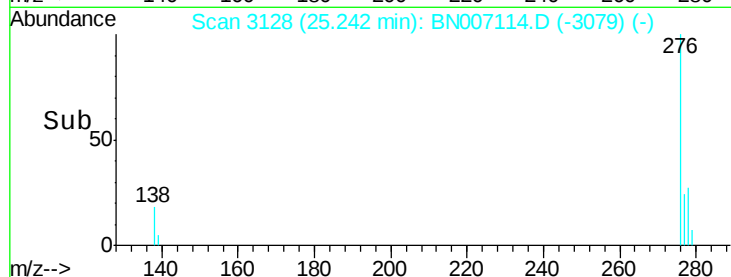
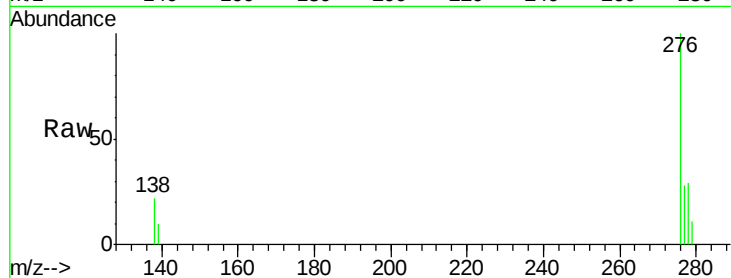
#36
Dibenzo(a,h)anthracene
Concen: 0.107 ng
RT: 25.24 min Scan# 3128
Delta R.T. -0.03 min
Lab File: BN007114.D
Acq: 13 Aug 2019 04:30

Instrument :
BNA_N
ClientSampleId :
EXT-004-SW073-073019

Tot Ion	Ratio	Lower	Upper
278	100		
139	32.9	11.3	16.9#
279	38.6	19.3	28.9#

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#37
Benzo(g,h,i)perylene
Concen: 0.422 ng
RT: 25.86 min Scan# 3308
Delta R.T. -0.02 min
Lab File: BN007114.D
Acq: 13 Aug 2019 04:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.8	29.8
138	21.4	14.6	22.0

