

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
 Data File : BN007058.D
 Acq On : 10 Aug 2019 21:10
 Operator : HP/JU
 Sample : K4144-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-008-SW111-073119

Manual Integrations
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mohammad
 8/14/2019 2:56:11 AM

Quant Time: Aug 12 04:57:19 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	7997	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	29891	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	17420	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	43537	0.40	ng	0.00
26) Chrysene-d12	21.05	240	45798	0.40	ng	-0.01
32) Perylene-d12	23.16	264	50399	0.40	ng	-0.01

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	5086	0.26	ng	0.00
4) Phenol-d6	6.61	99	7072	0.30	ng	0.00
7) Nitrobenzene-d5	8.56	82	5354	0.22	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	12401	0.22	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1682	0.18	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	4898	0.19	ng	0.00
24) Fluoranthene-d10	18.87	212	30847	0.20	ng	0.00
28) Terphenyl-d14	19.49	244	23756	0.19	ng	0.00

Target Compounds

						Qvalue
8) Naphthalene	10.24	128	6444	0.077	ng	96
11) 2-Methylnaphthalene	11.87	142	4358	0.073	ng	96
15) Acenaphthylene	13.79	152	30812	0.338	ng	99
16) Acenaphthene	14.14	154	4189	0.072	ng	94
17) Fluorene	15.14	166	6955	0.080	ng	# 84
22) Phenanthrene	16.87	178	140810	1.079	ng	100
23) Anthracene	16.96	178	33119	0.278	ng	# 95
25) Fluoranthene	18.90	202	241694	1.448	ng	100
27) Pyrene	19.26	202	285207	1.776	ng	# 95
29) Benzo(a)anthracene	21.02	228	151001	0.902	ng	93
30) Chrysene	21.08	228	152252	0.936	ng	96
31) Indeno(1,2,3-cd)pyrene	25.24	276	86689	0.483	ng	98
33) Benzo(b)fluoranthene	22.54	252	177409m	1.027	ng	
34) Benzo(k)fluoranthene	22.58	252	55837m	0.327	ng	
35) Benzo(a)pyrene	23.07	252	137440	0.877	ng	99
36) Dibenzo(a,h)anthracene	25.25	278	25141	0.161	ng	# 87
37) Benzo(g,h,i)perylene	25.87	276	98229	0.611	ng	99

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

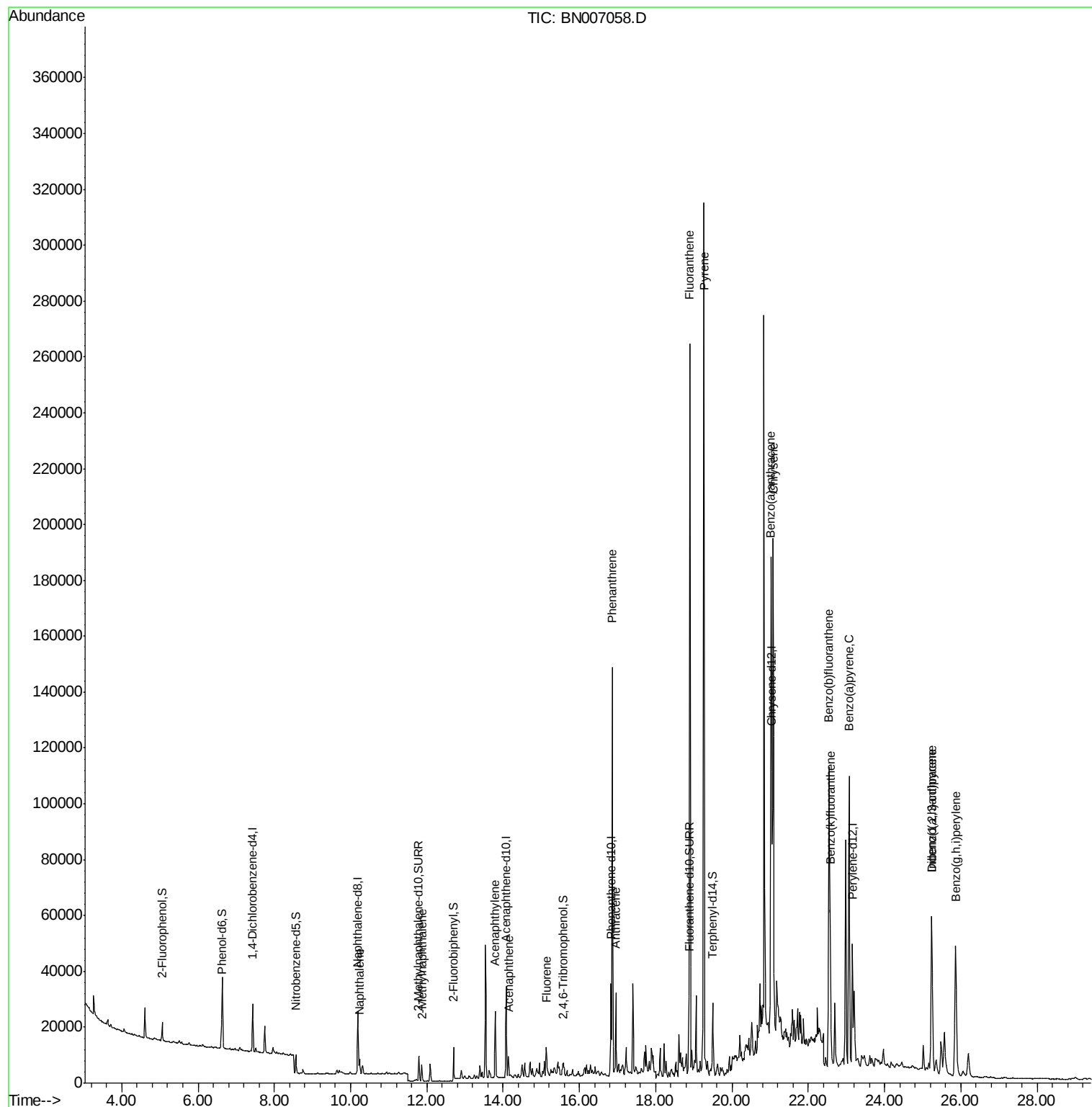
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
Data File : BN007058.D
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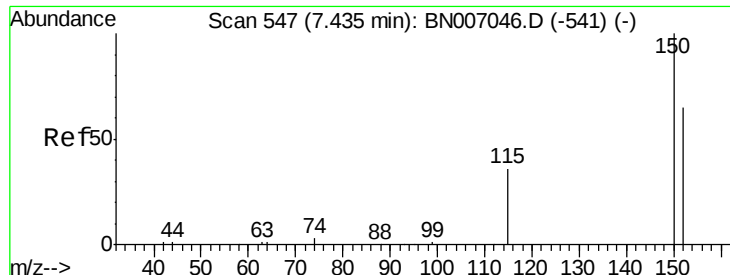
Instrument :
BNA_N
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EXT-008-SW111-073119

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#1

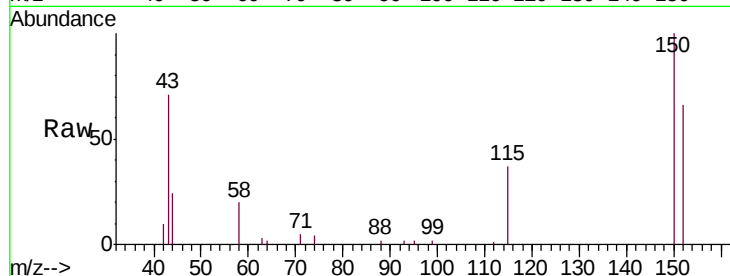
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007058.D
Acq: 10 Aug 2019 21:10

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW111-073119

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.1	121.7	182.5
115	57.0	46.2	69.4

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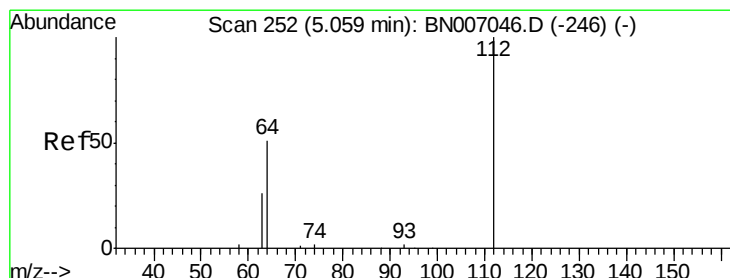
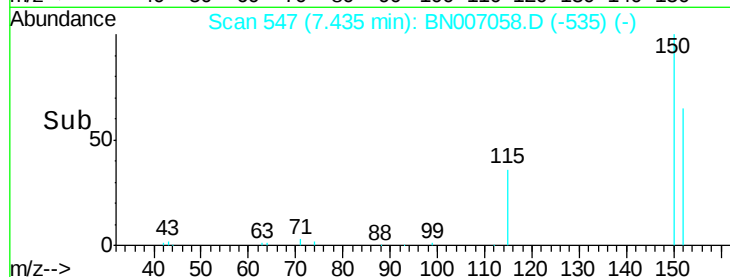
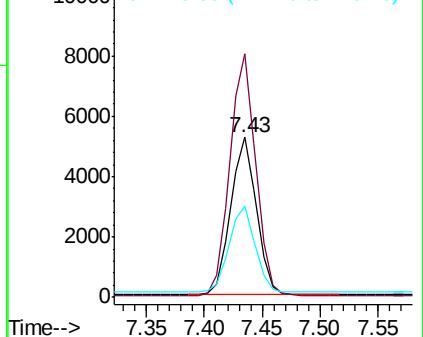


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

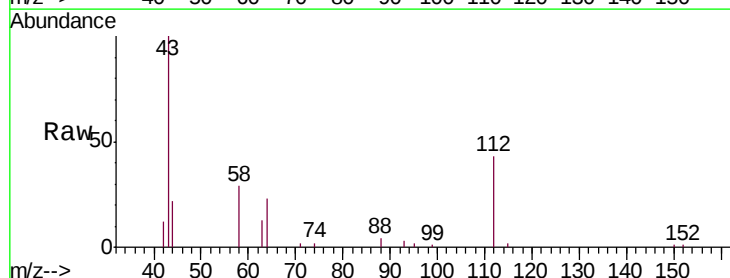
Ion 115.00 (114.70 to 115.70): E



#3

2-Fluorophenol
Concen: 0.265 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007058.D
Acq: 10 Aug 2019 21:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	42.6	63.8
63	27.5	22.2	33.2

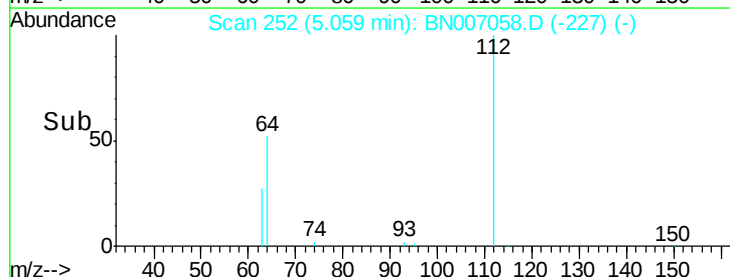
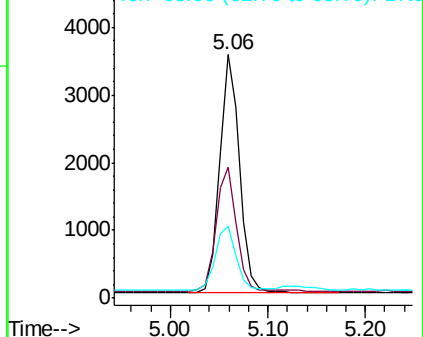


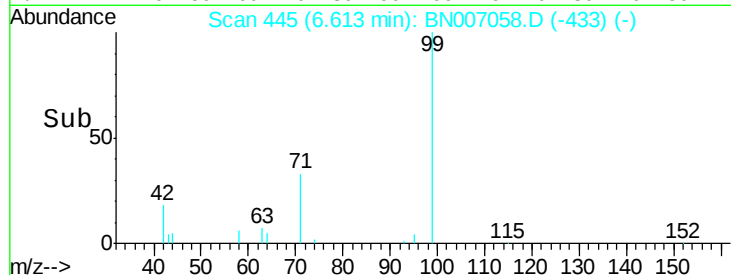
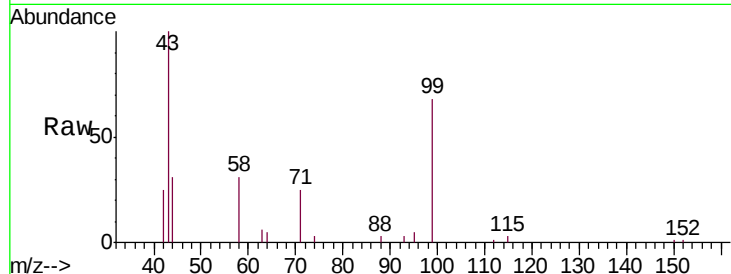
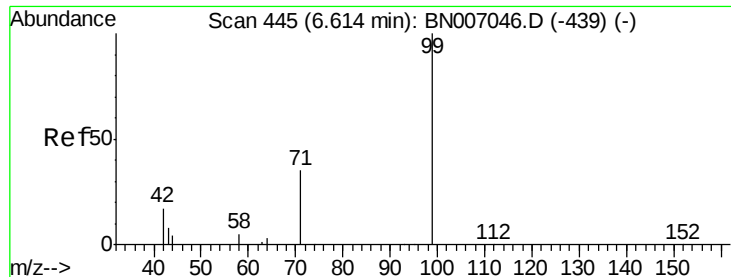
Abundance

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: 0.297 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007058.D

Acq: 10 Aug 2019 21:10

Tgt Ion:	99	Resp:	7072
Ion Ratio	Lower	Upper	
99	100		
42	0.0	15.8	23.6#
71	36.4	27.0	40.4

Instrument :

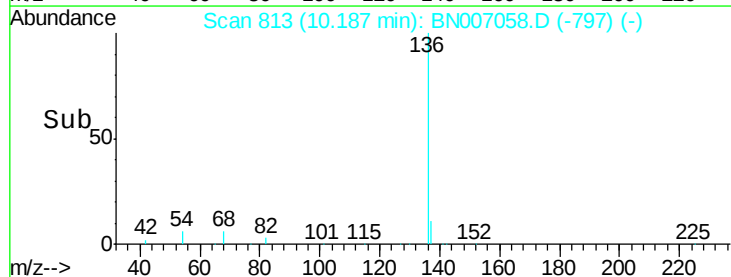
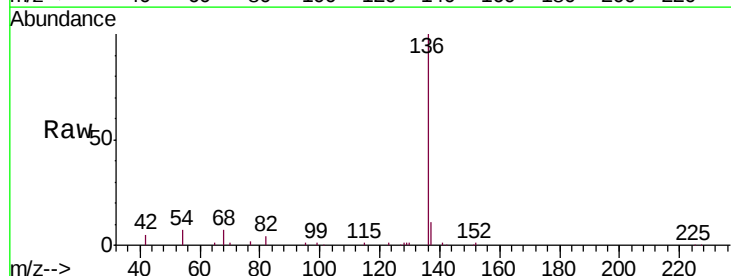
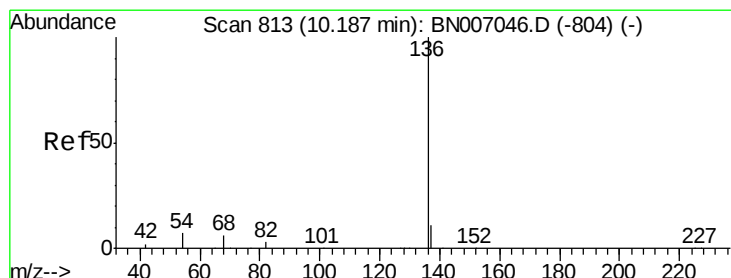
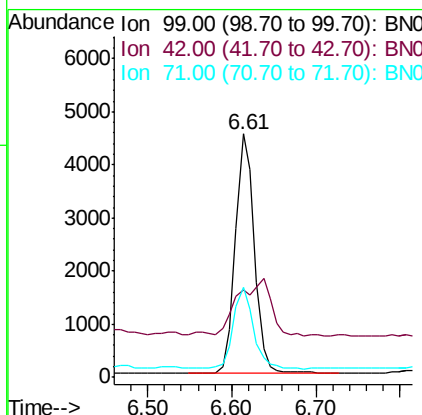
BNA_N

ClientSampleId :

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#6

Naphthalene-d8

Concen: 0.400 ng

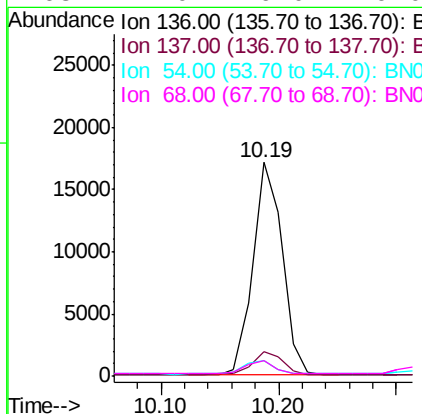
RT: 10.19 min Scan# 813

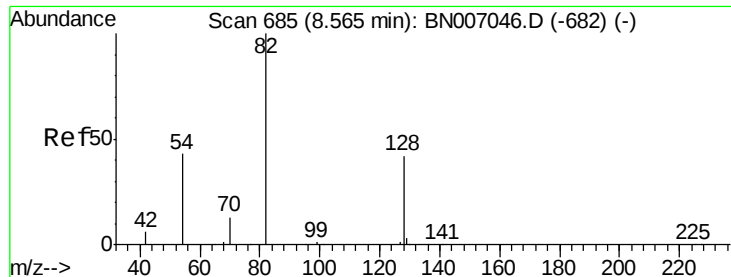
Delta R.T. -0.00 min

Lab File: BN007058.D

Acq: 10 Aug 2019 21:10

Tgt Ion:	136	Resp:	29891
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.4	14.0
54	7.4	6.6	9.8
68	7.0	6.0	9.0





#7

Nitrobenzene-d5

Concen: 0.222 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007058.D

Acq: 10 Aug 2019 21:10

Instrument :

BNA_N

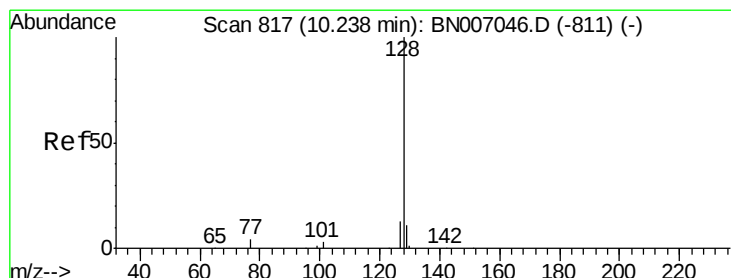
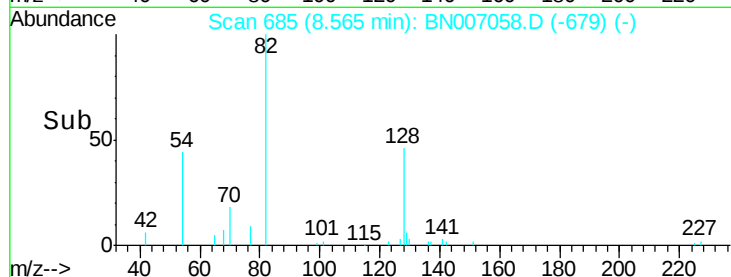
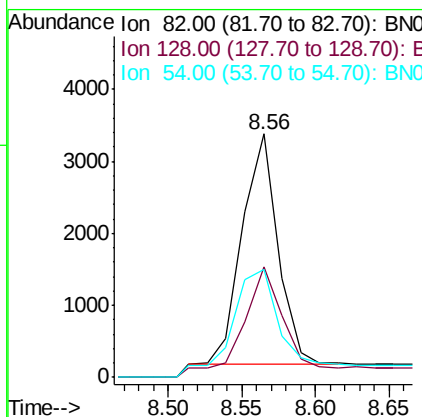
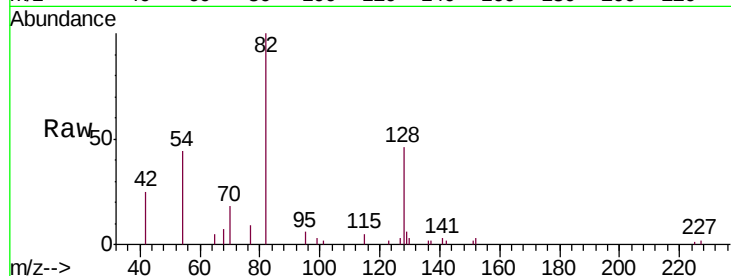
ClientSampleId :

EXT-008-SW111-073119

Tgt Ion:	82	Resp:	5354
Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.6	51.8
54	44.4	36.2	54.4

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#8

Naphthalene

Concen: 0.077 ng

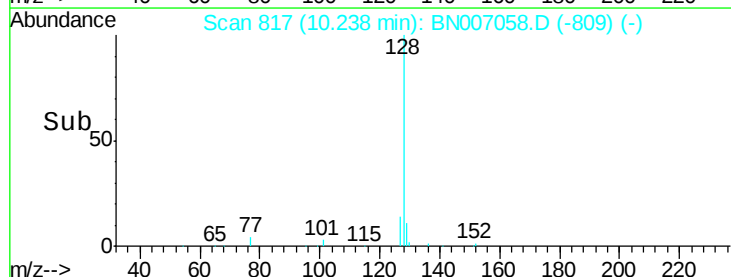
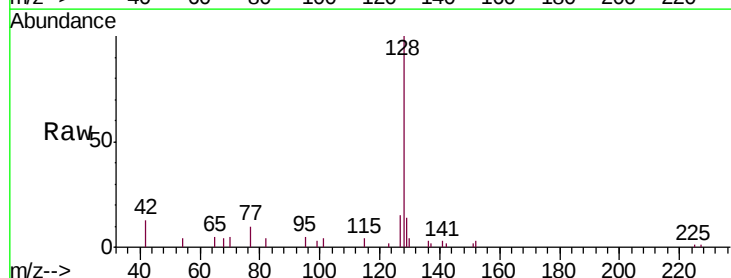
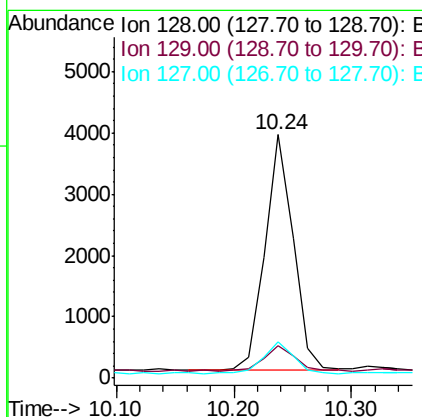
RT: 10.24 min Scan# 817

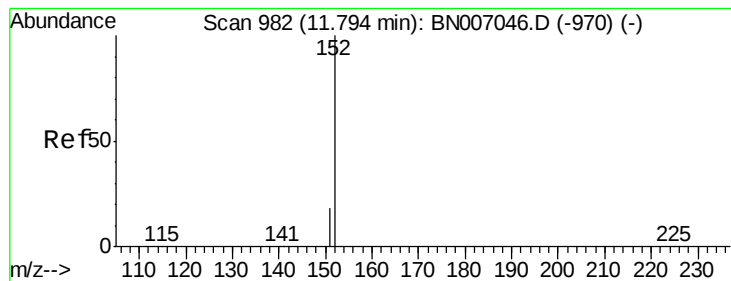
Delta R.T. -0.00 min

Lab File: BN007058.D

Acq: 10 Aug 2019 21:10

Tgt Ion:	128	Resp:	6444
Ion	Ratio	Lower	Upper
128	100		
129	13.5	9.4	14.2
127	15.0	11.0	16.6





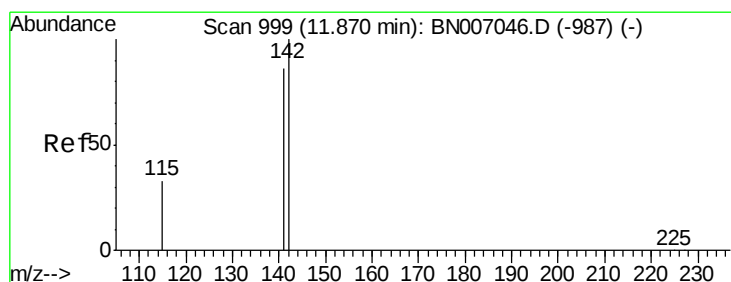
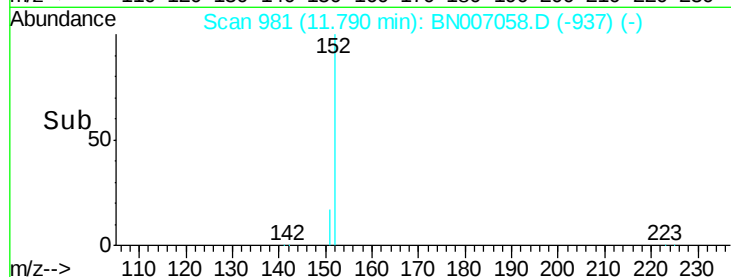
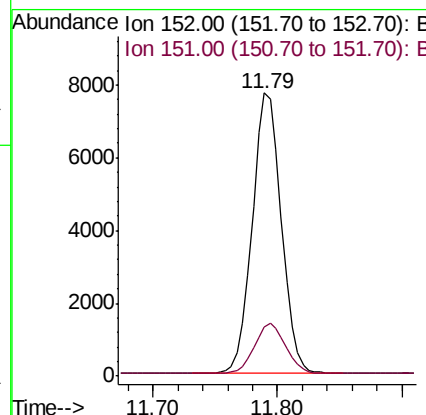
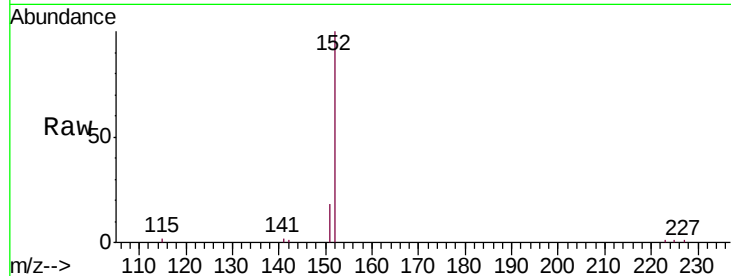
#10
 2-Methylnaphthalene-d10
 Concen: 0.223 ng
 RT: 11.79 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BN007058.D
 Acq: 10 Aug 2019 21:10

Instrument :
 BNA_N
 ClientSampleId :
 EXT-008-SW111-073119

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3

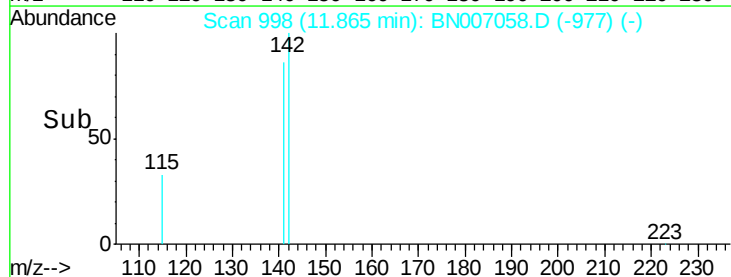
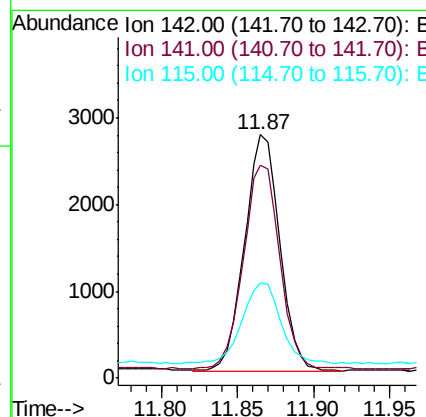
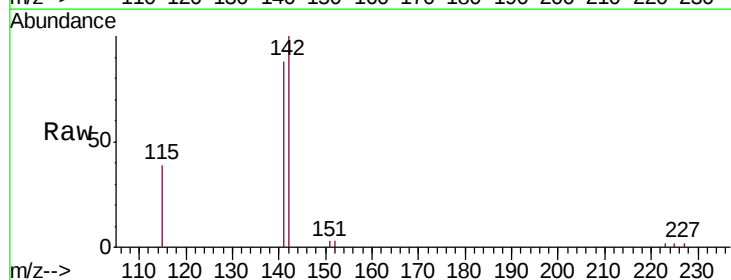
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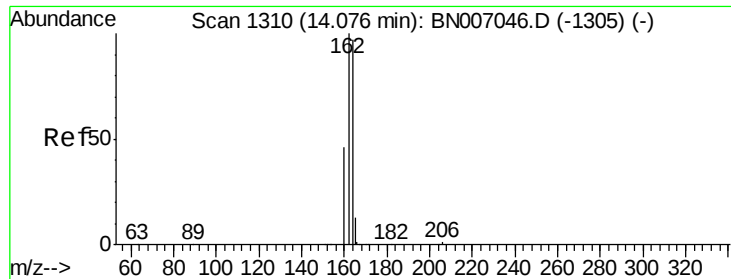
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#11
 2-Methylnaphthalene
 Concen: 0.073 ng
 RT: 11.87 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: BN007058.D
 Acq: 10 Aug 2019 21:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.6	69.0	103.6
115	39.0	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: BN007058.D

Acq: 10 Aug 2019 21:10

Instrument :

BNA_N

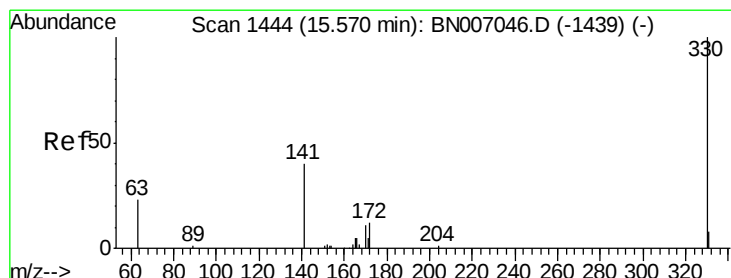
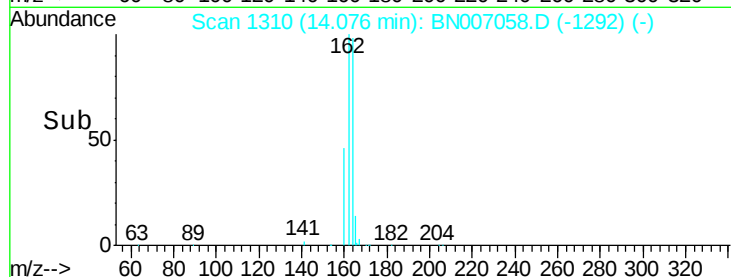
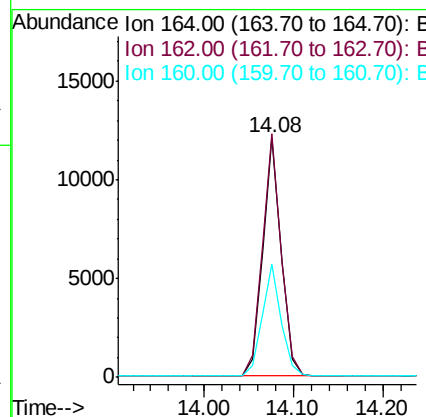
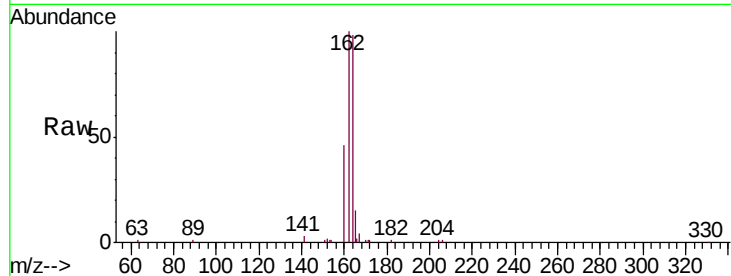
ClientSampleId :

EXT-008-SW111-073119

Tgt Ion:	164	Resp:	17420
Ion Ratio	Lower	Upper	
164	100		
162	101.6	82.2	123.4
160	47.0	38.3	57.5

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#13

2,4,6-Tribromophenol

Concen: 0.179 ng

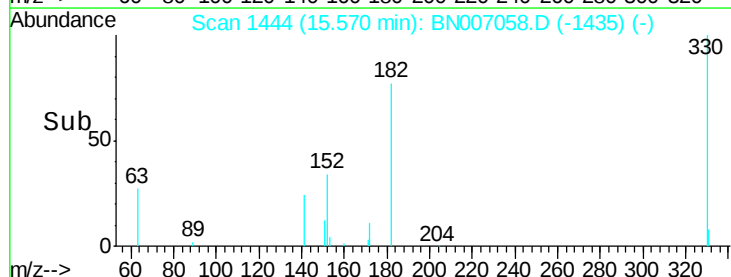
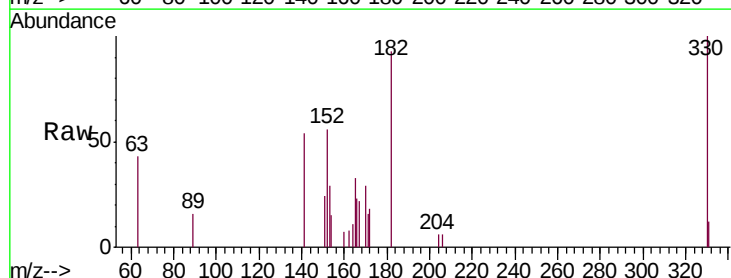
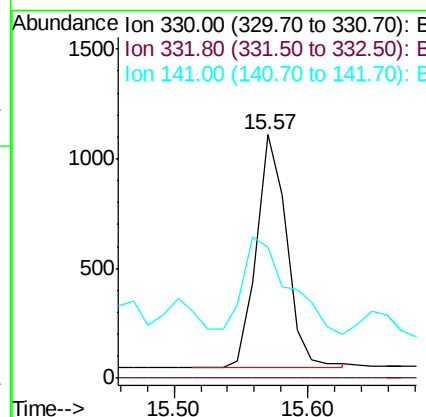
RT: 15.57 min Scan# 1444

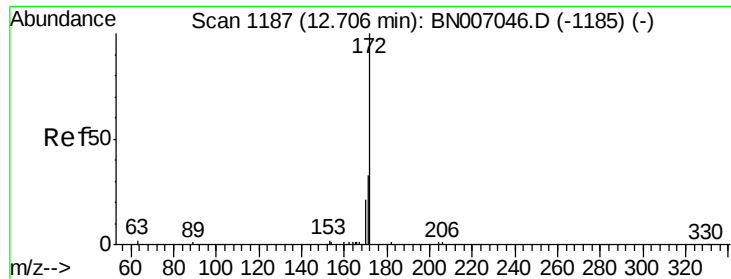
Delta R.T. -0.00 min

Lab File: BN007058.D

Acq: 10 Aug 2019 21:10

Tgt Ion:	330	Resp:	1682
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	63.4	33.6	50.4#





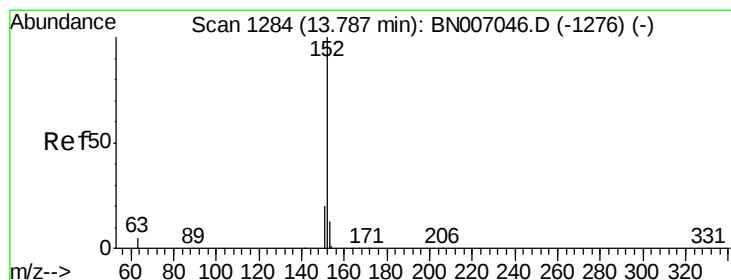
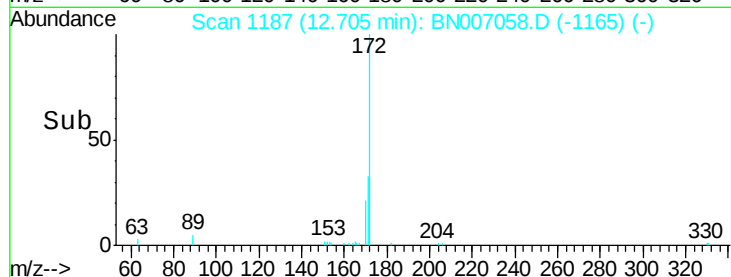
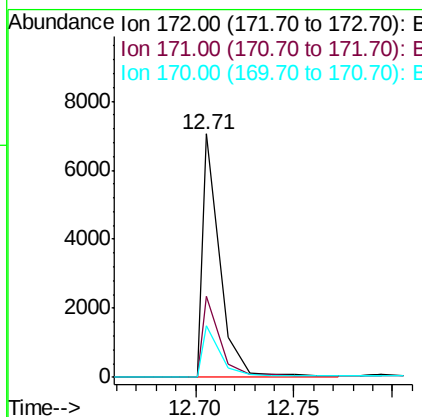
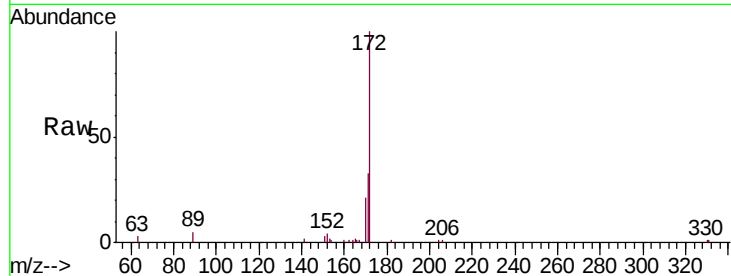
#14
2-Fluorobiphenyl
Concen: 0.193 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007058.D
Acq: 10 Aug 2019 21:10

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW111-073119

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.3	26.3	39.5
170	21.1	17.0	25.4

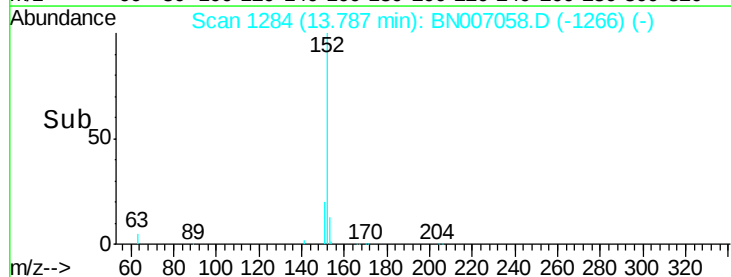
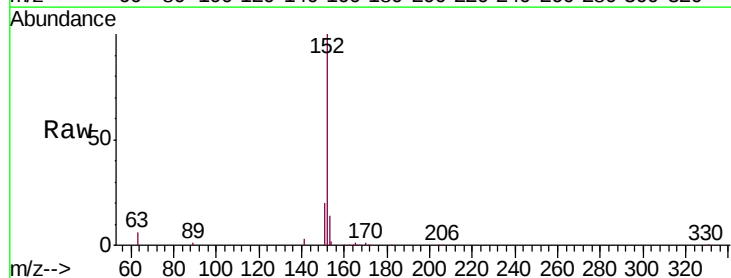
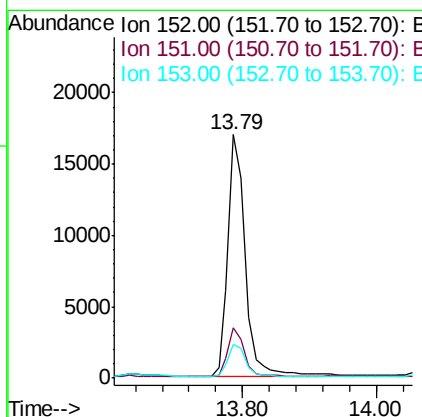
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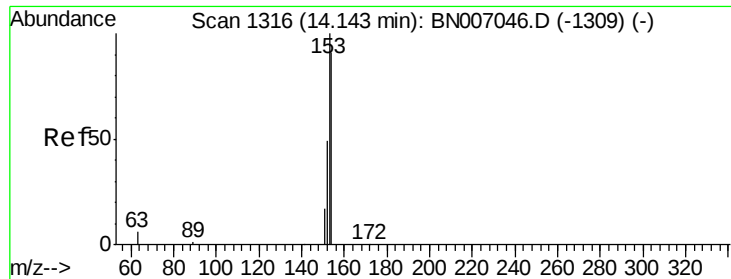
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#15
Acenaphthylene
Concen: 0.338 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007058.D
Acq: 10 Aug 2019 21:10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.6	10.4	15.6





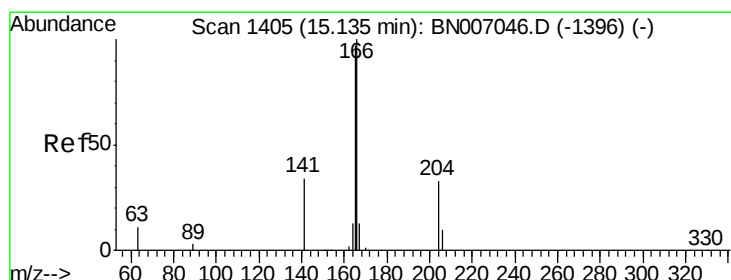
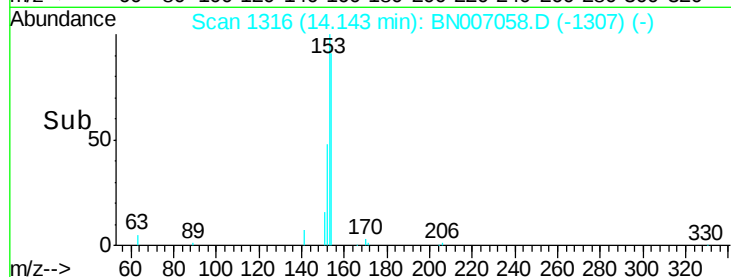
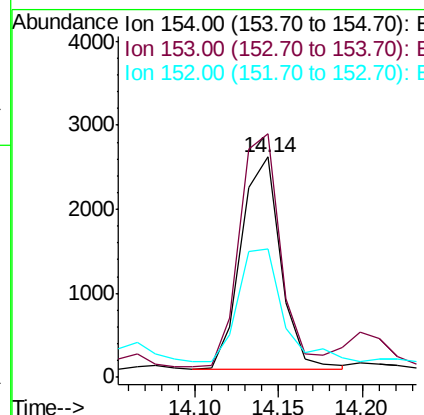
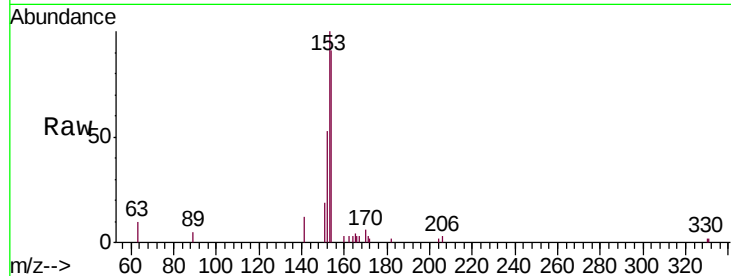
#16
Acenaphthene
Concen: 0.072 ng
RT: 14.14 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BN007058.D
Acq: 10 Aug 2019 21:10

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW111-073119

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.6	89.5	134.3
152	65.7	44.8	67.2

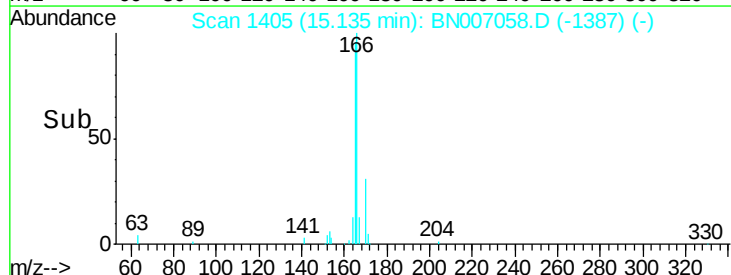
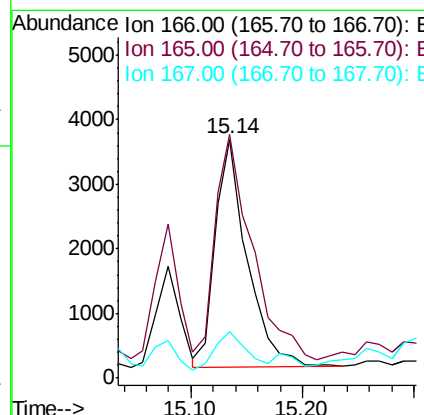
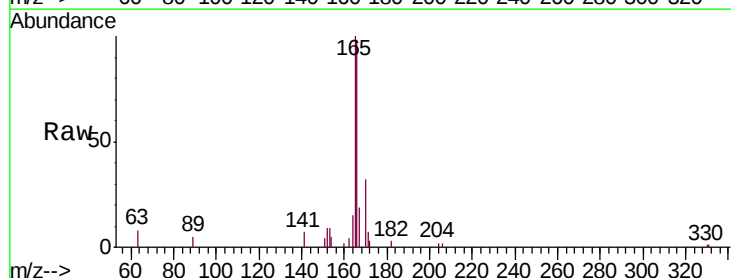
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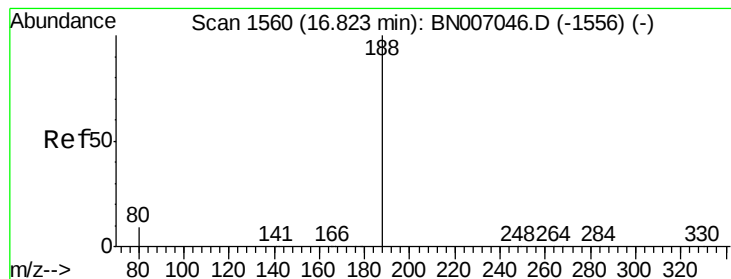
mohammad
8/14/2019 2:56:11 AM



#17
Fluorene
Concen: 0.080 ng
RT: 15.14 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007058.D
Acq: 10 Aug 2019 21:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	114.6	77.9	116.9
167	16.8	10.9	16.3#





#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007058.D

Acq: 10 Aug 2019 21:10

Instrument :

BNA_N

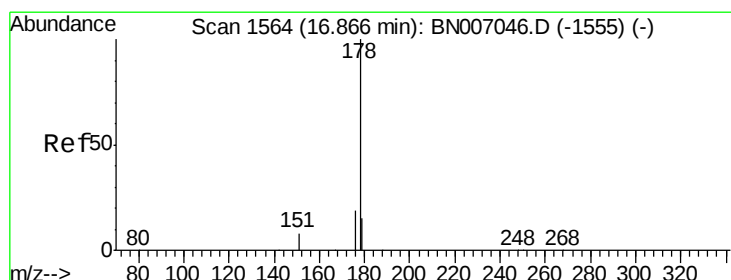
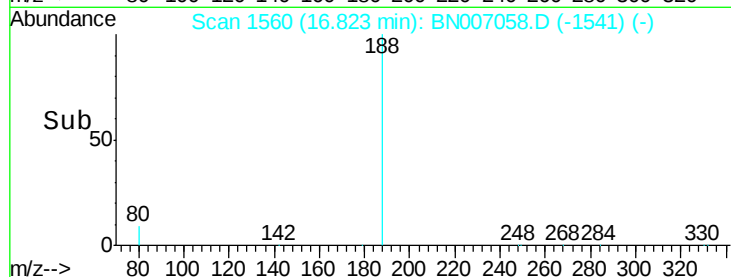
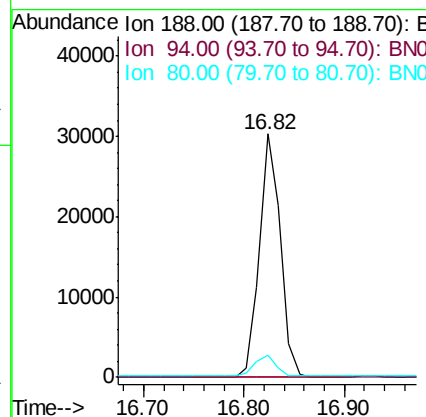
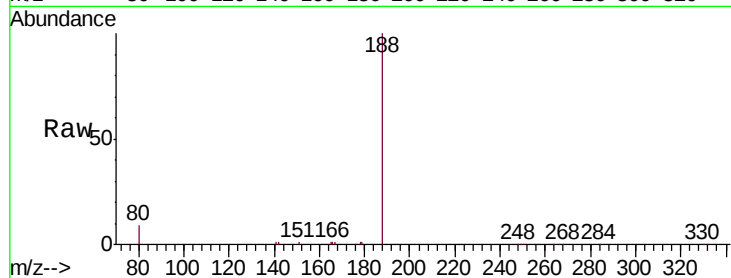
ClientSampleId :

EXT-008-SW111-073119

Tgt Ion:	188	Resp:	43537
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.2	7.8	11.6

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#22

Phenanthrene

Concen: 1.079 ng

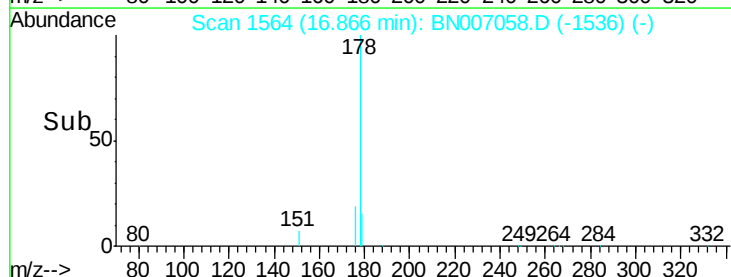
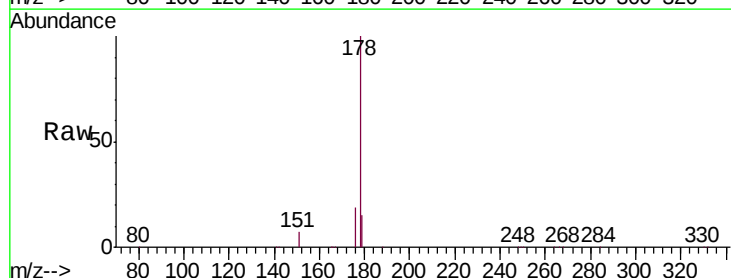
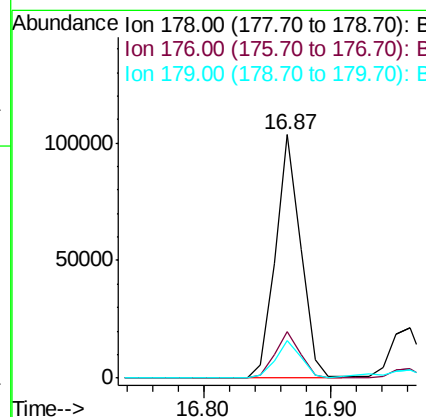
RT: 16.87 min Scan# 1564

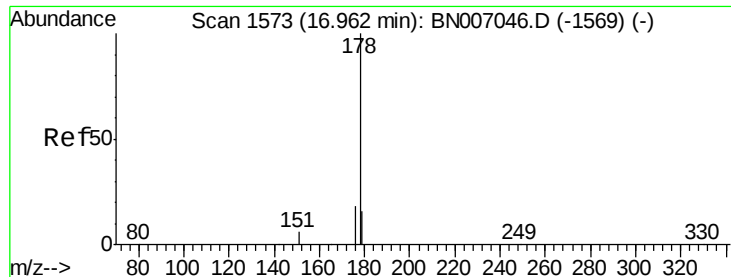
Delta R.T. -0.00 min

Lab File: BN007058.D

Acq: 10 Aug 2019 21:10

Tgt Ion:	178	Resp:	140810
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.2	22.8
179	15.6	12.3	18.5





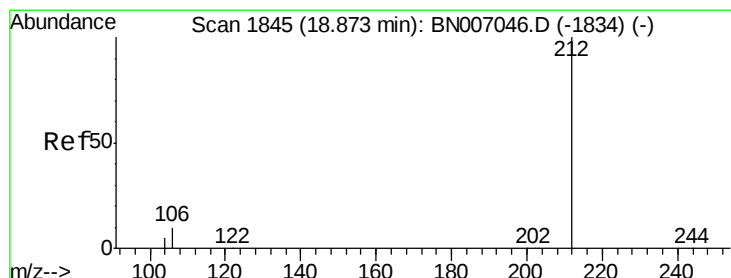
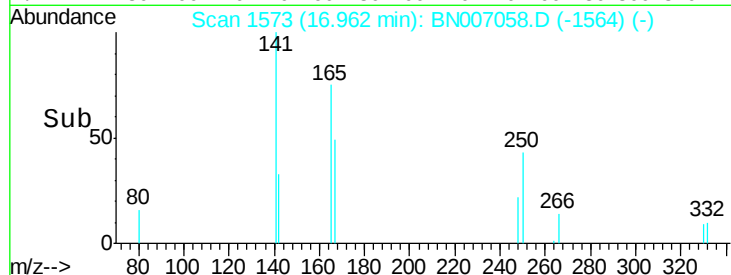
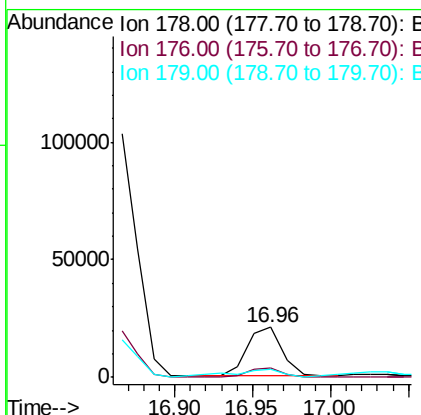
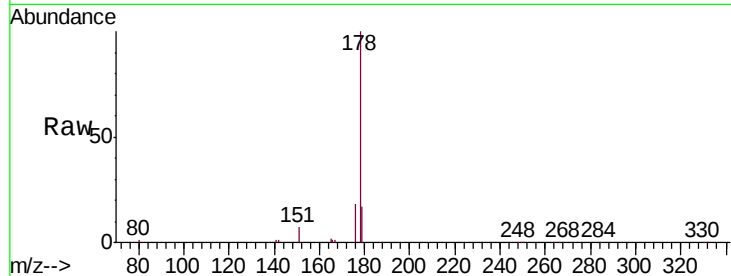
#23
 Anthracene
 Concen: 0.278 ng
 RT: 16.96 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BN007058.D
 Acq: 10 Aug 2019 21:10

Instrument :
 BNA_N
 ClientSampleId :
 EXT-008-SW111-073119

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	20.1	12.5	18.7

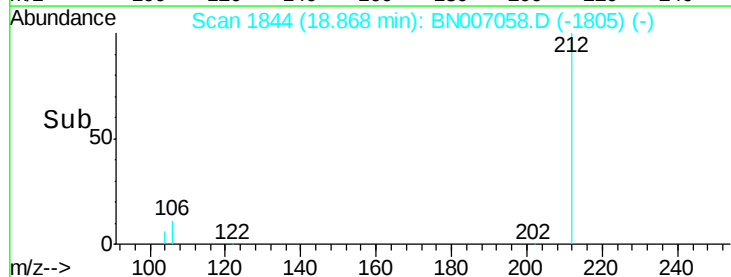
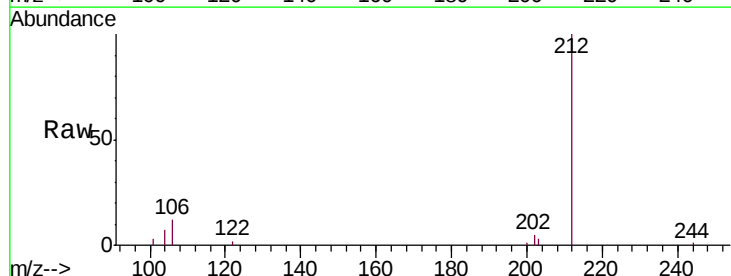
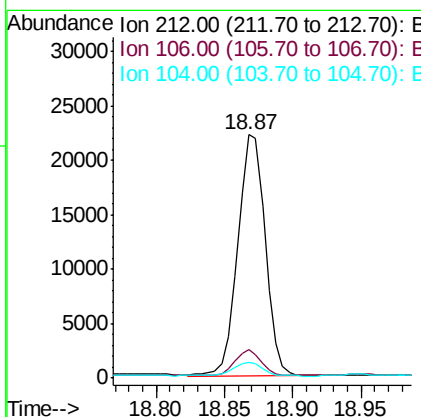
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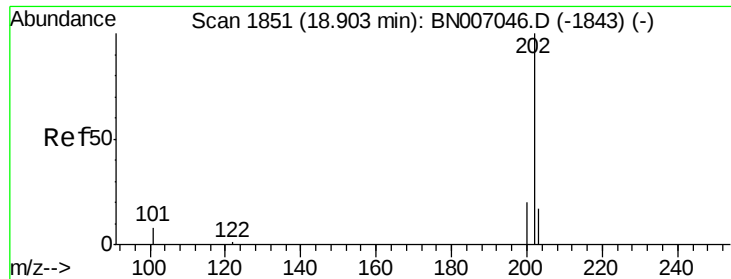
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#24
 Fluoranthene-d10
 Concen: 0.200 ng
 RT: 18.87 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BN007058.D
 Acq: 10 Aug 2019 21:10

Tgt Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.2
104	6.0	4.5	6.7





#25

Fluoranthene

Concen: 1.448 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007058.D

Acq: 10 Aug 2019 21:10

Instrument :

BNA_N

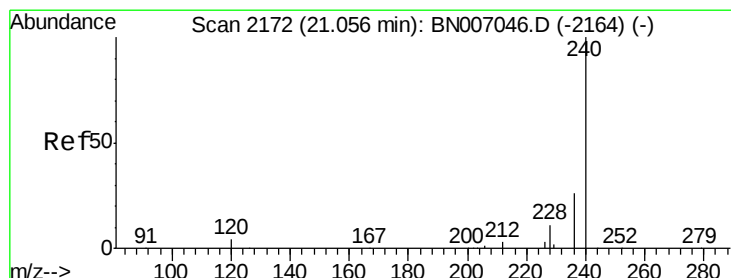
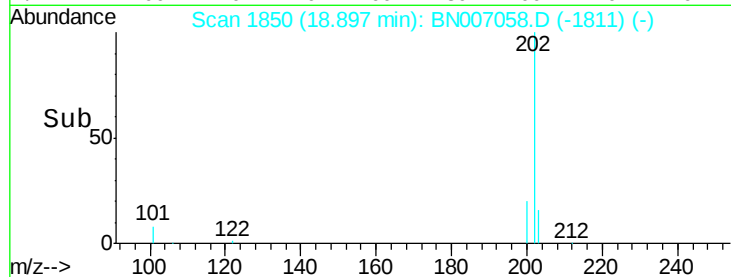
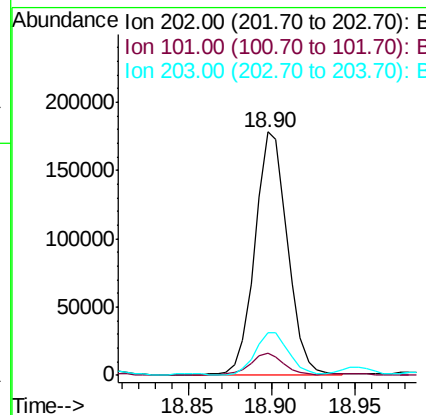
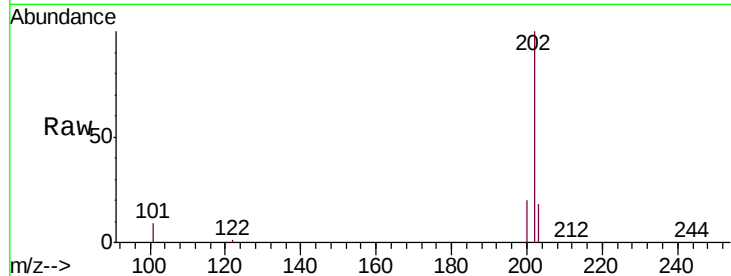
ClientSampleId :

EXT-008-SW111-073119

Tgt Ion:	202	Resp:	241694
Ion Ratio	Lower	Upper	
202	100		
101	8.7	7.0	10.4
203	17.5	13.8	20.8

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#26

Chrysene-d12

Concen: 0.400 ng

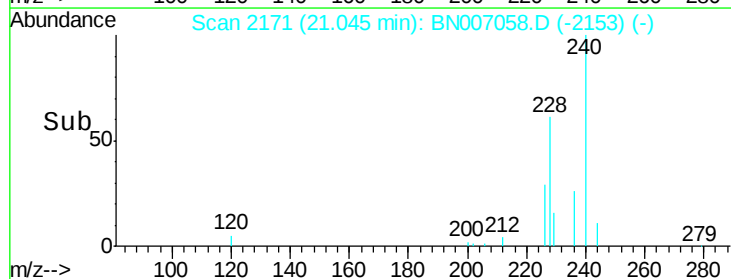
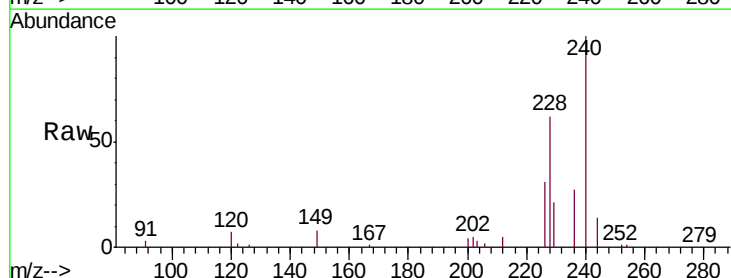
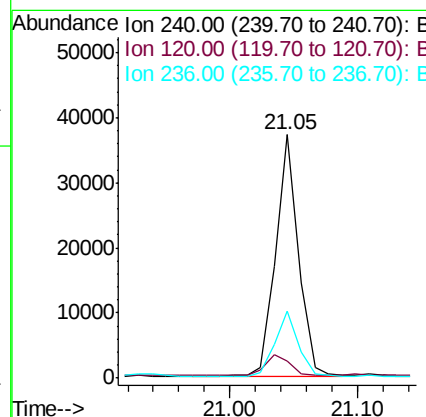
RT: 21.05 min Scan# 2171

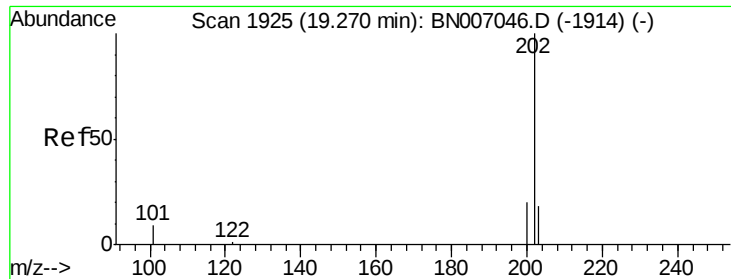
Delta R.T. -0.01 min

Lab File: BN007058.D

Acq: 10 Aug 2019 21:10

Tgt Ion:	240	Resp:	45798
Ion Ratio	Lower	Upper	
240	100		
120	7.0	4.0	6.0#
236	27.3	21.3	31.9





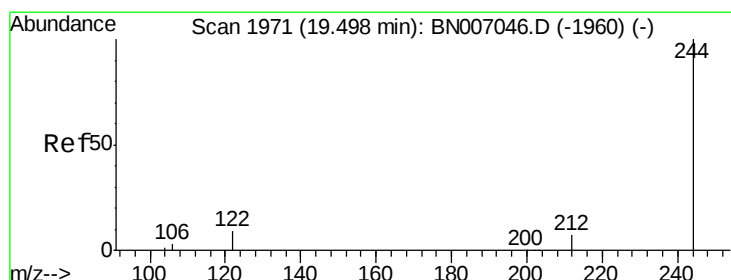
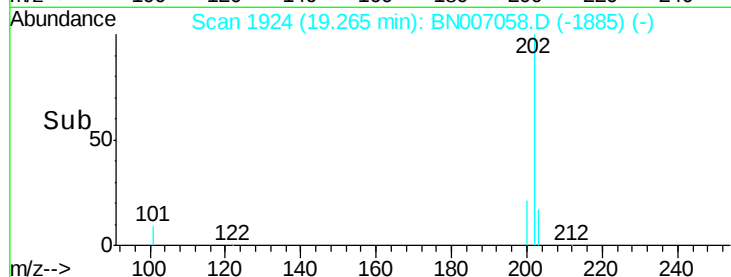
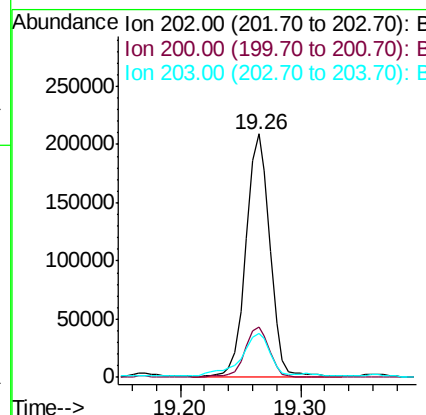
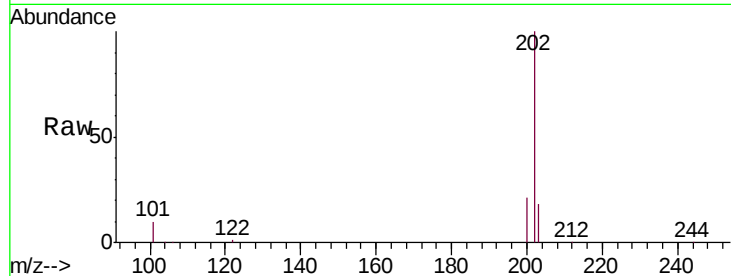
#27
 Pyrene
 Concen: 1.776 ng
 RT: 19.26 min Scan# 1924
 Delta R.T. -0.01 min
 Lab File: BN007058.D
 Acq: 10 Aug 2019 21:10

Instrument :
 BNA_N
 ClientSampleId :
 EXT-008-SW111-073119

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.0	16.6	24.8
203	21.7	14.0	21.0

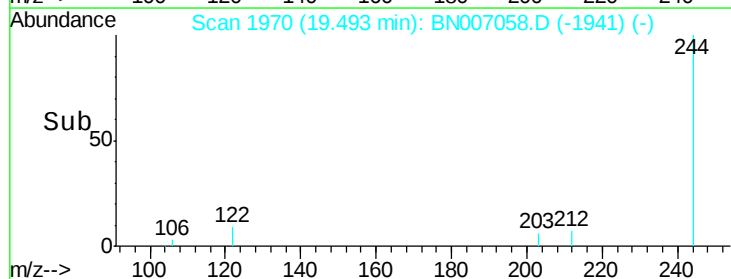
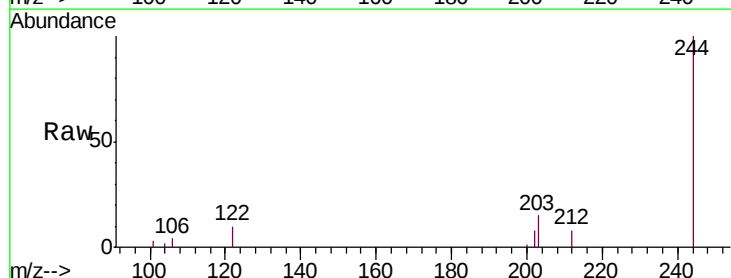
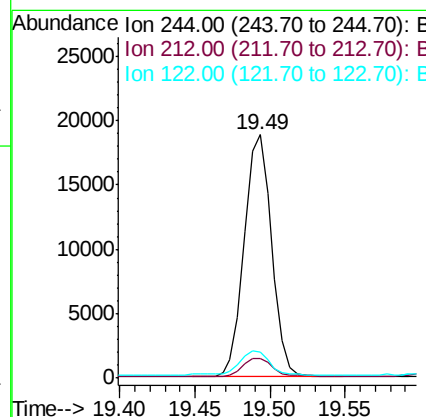
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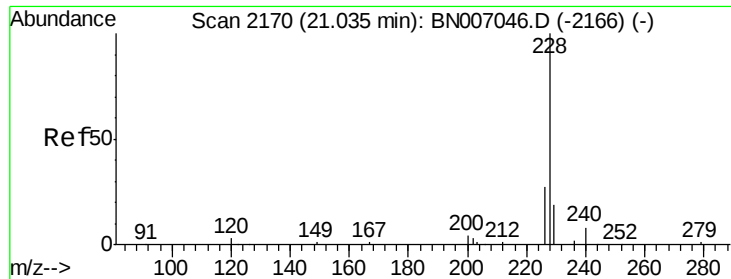
mohammad
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#28
 Terphenyl-d14
 Concen: 0.190 ng
 RT: 19.49 min Scan# 1970
 Delta R.T. -0.01 min
 Lab File: BN007058.D
 Acq: 10 Aug 2019 21:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.3	6.2	9.2
122	10.5	7.4	11.2





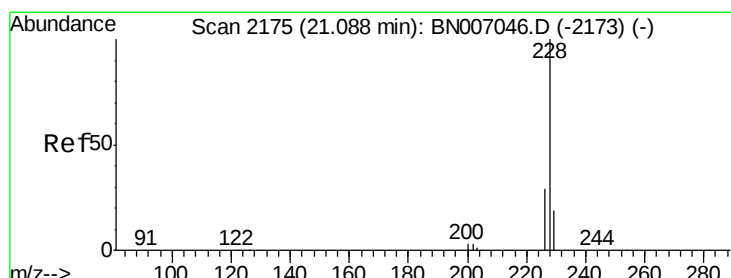
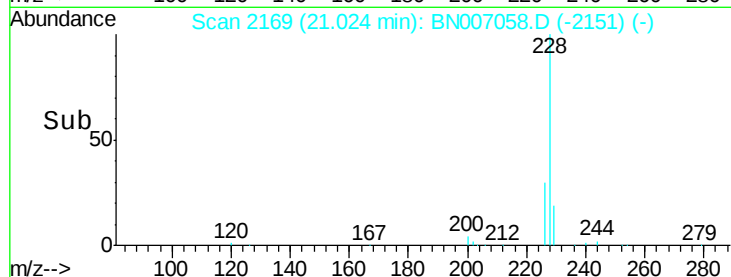
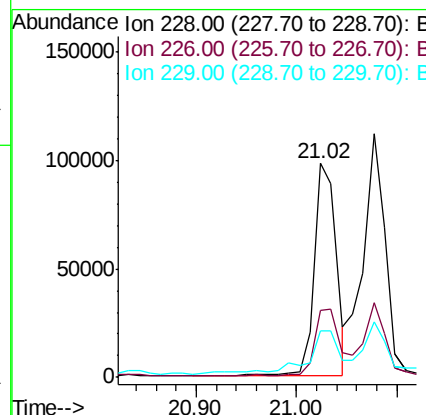
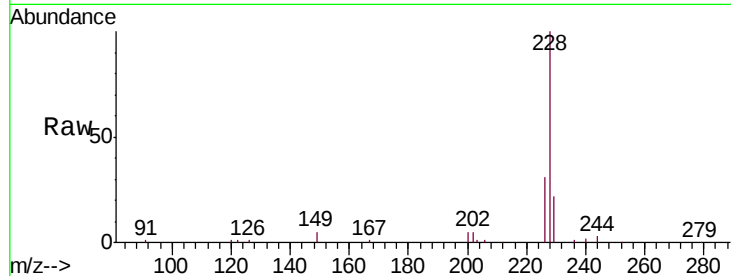
#29
Benzo(a)anthracene
Concen: 0.902 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007058.D
Acq: 10 Aug 2019 21:10

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW111-073119

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	21.8	32.6
229	21.7	15.6	23.4

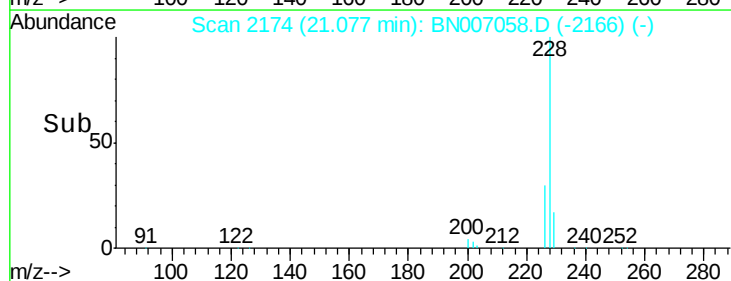
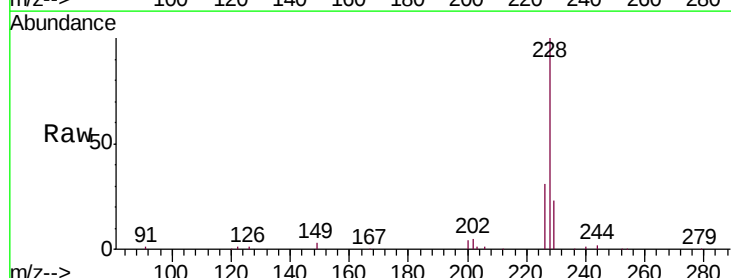
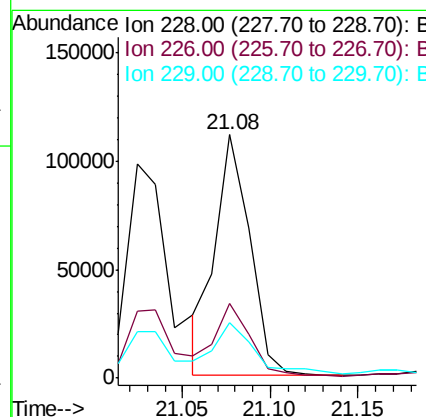
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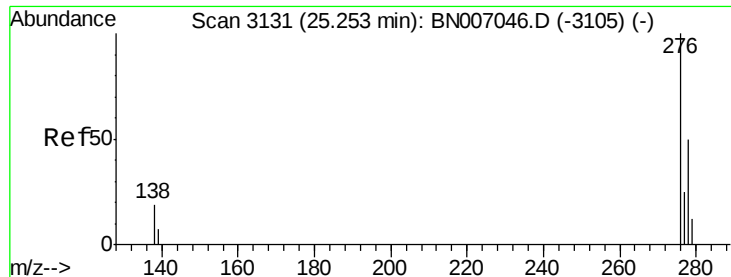
mohammad
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#30
Chrysene
Concen: 0.936 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007058.D
Acq: 10 Aug 2019 21:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.8	35.6
229	22.5	15.7	23.5





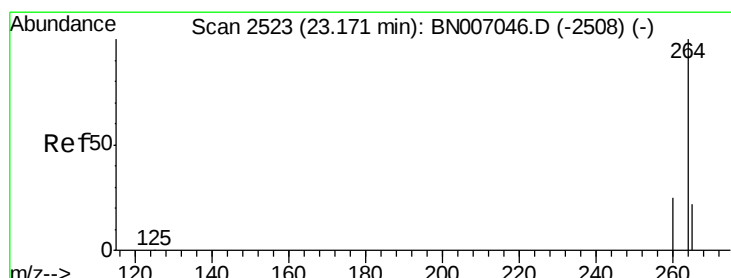
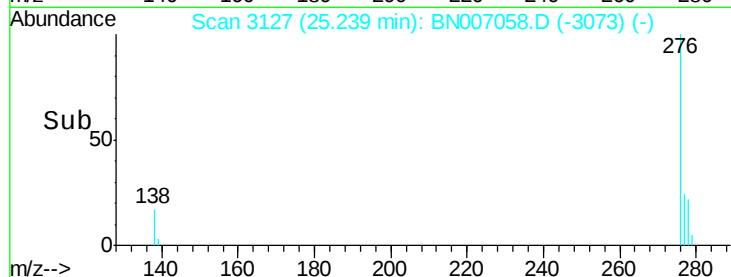
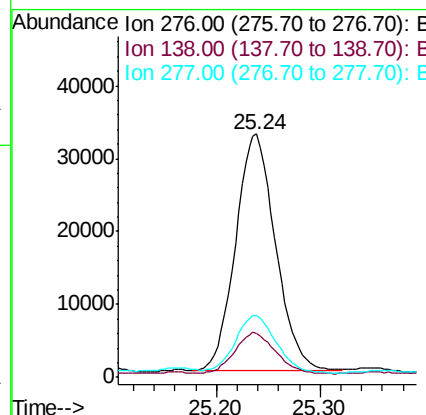
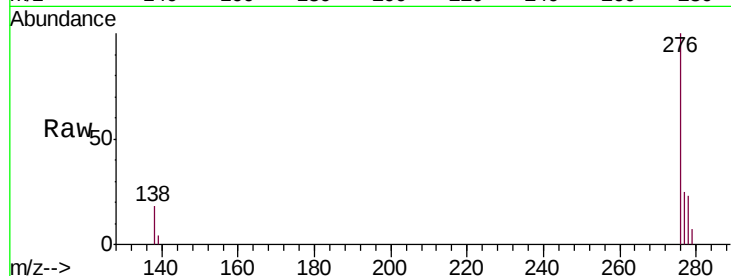
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.483 ng
 RT: 25.24 min Scan# 3127
 Delta R.T. -0.01 min
 Lab File: BN007058.D
 Acq: 10 Aug 2019 21:10

Instrument :
 BNA_N
 ClientSampleId :
 EXT-008-SW111-073119

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.9	16.0	24.0
277	24.7	19.9	29.9

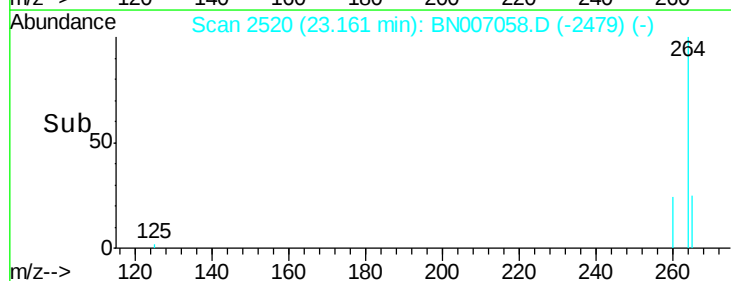
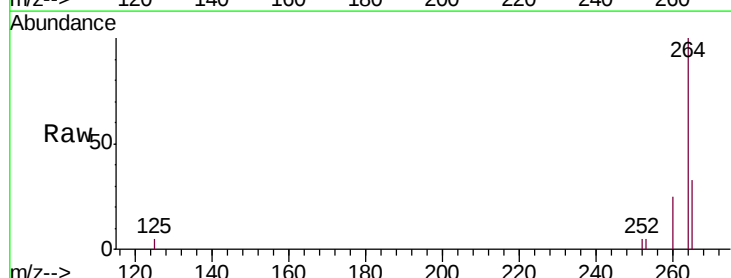
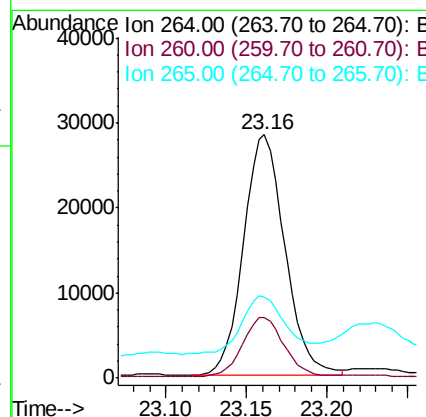
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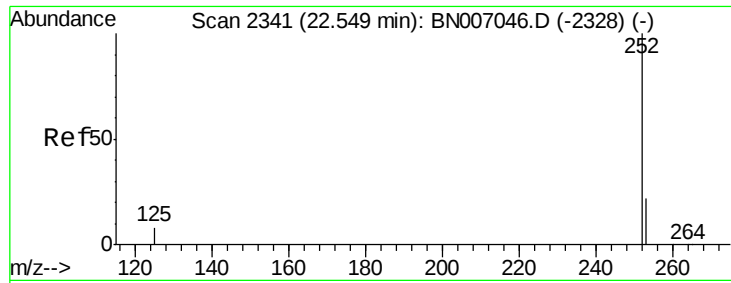
mohammad
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#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2520
 Delta R.T. -0.01 min
 Lab File: BN007058.D
 Acq: 10 Aug 2019 21:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.8	29.8
265	33.3	26.2	39.4





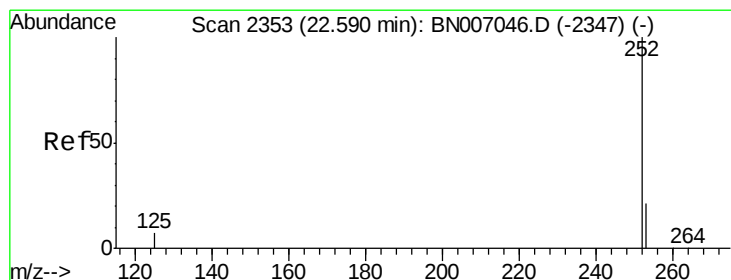
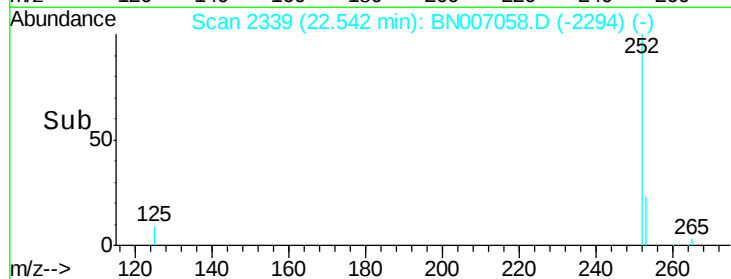
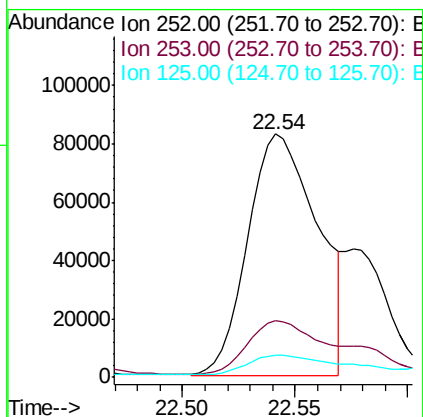
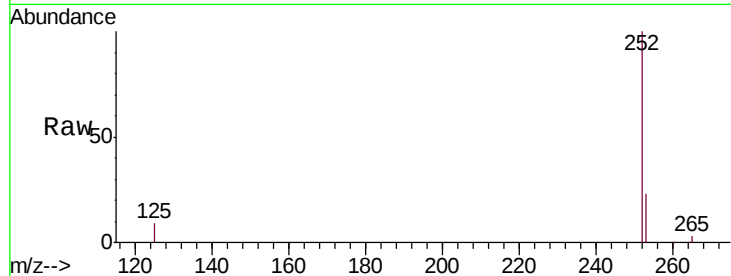
#33
Benzo(b)fluoranthene
Concen: 1.027 ng m
RT: 22.54 min Scan# 2339
Delta R.T. -0.01 min
Lab File: BN007058.D
Acq: 10 Aug 2019 21:10

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW111-073119

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	9.1	7.4	11.0

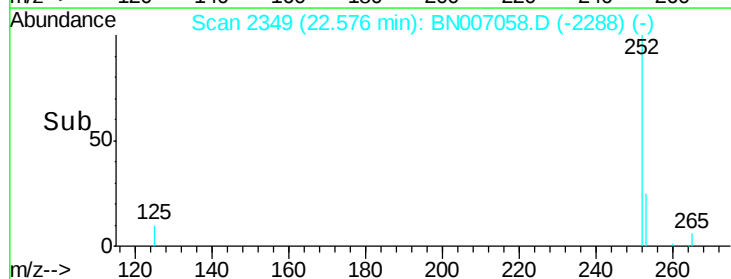
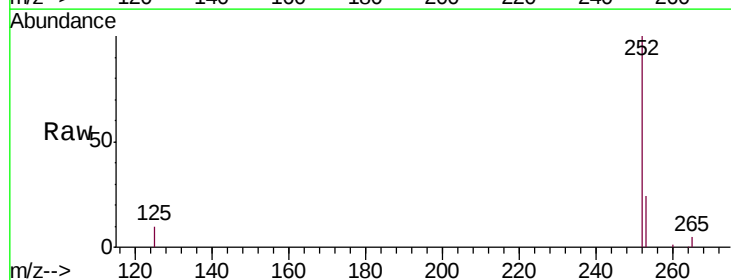
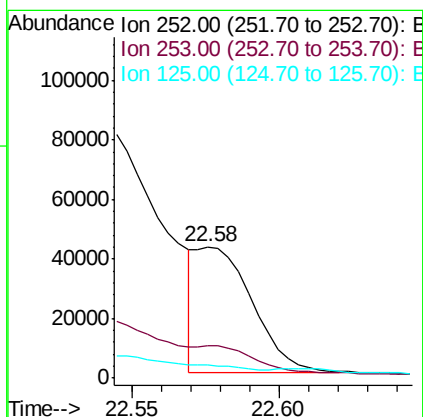
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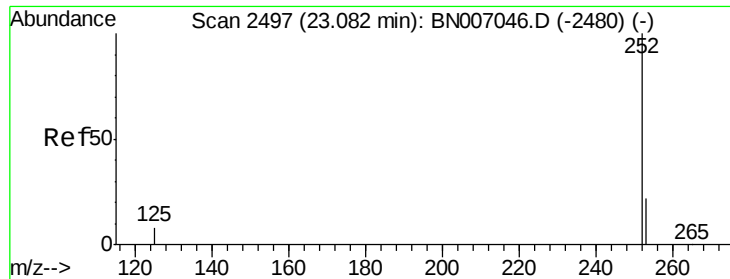
mohammad
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#34
Benzo(k)fluoranthene
Concen: 0.327 ng m
RT: 22.58 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BN007058.D
Acq: 10 Aug 2019 21:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	9.9	7.4	11.0





#35

Benzo(a)pyrene

Concen: 0.877 ng

RT: 23.07 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BN007058.D

Acq: 10 Aug 2019 21:10

Instrument :

BNA_N

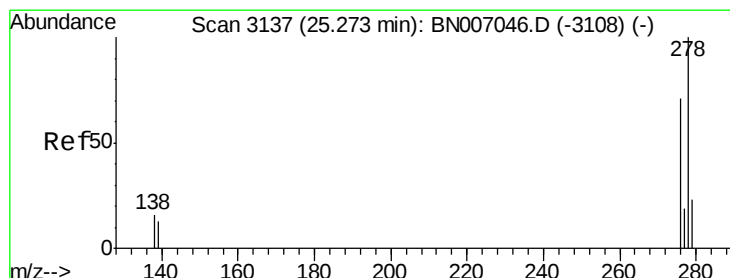
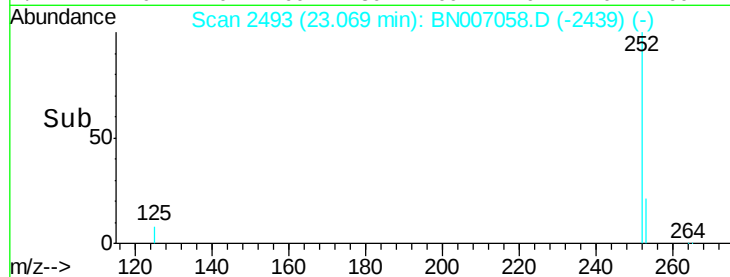
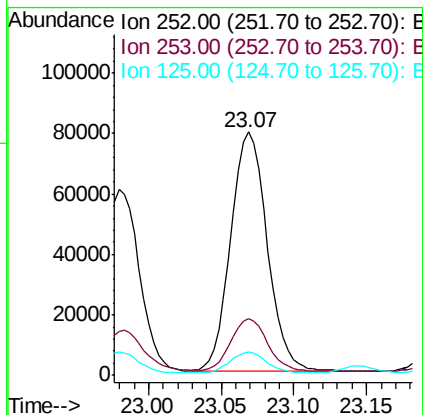
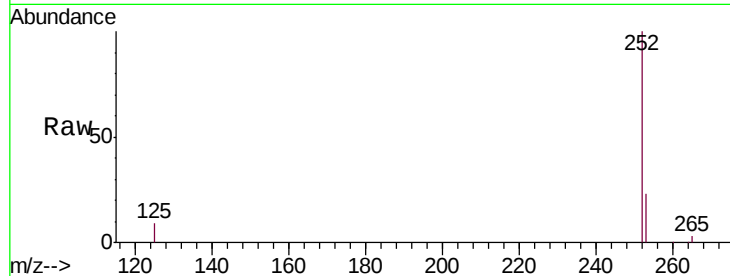
ClientSampleId :

EXT-008-SW111-073119

Tgt Ion:	252	Resp:	137440
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.5	27.7
125	9.5	8.2	12.4

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#36

Dibenzo(a,h)anthracene

Concen: 0.161 ng

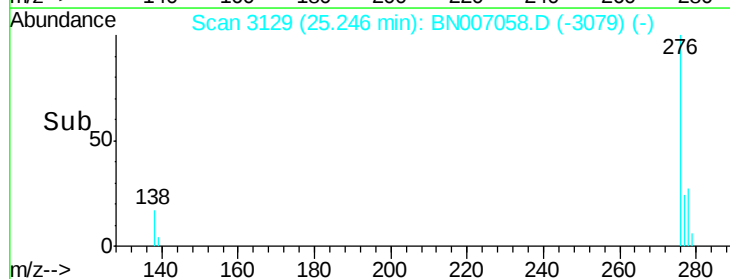
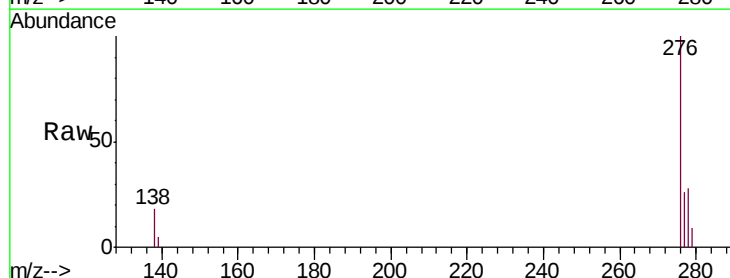
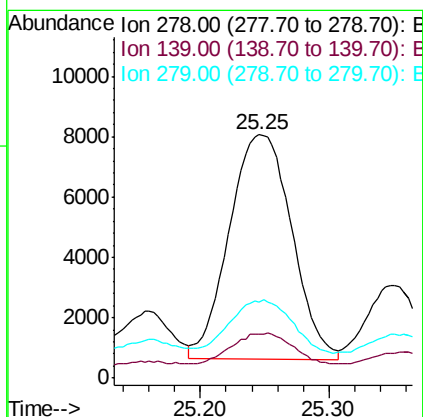
RT: 25.25 min Scan# 3129

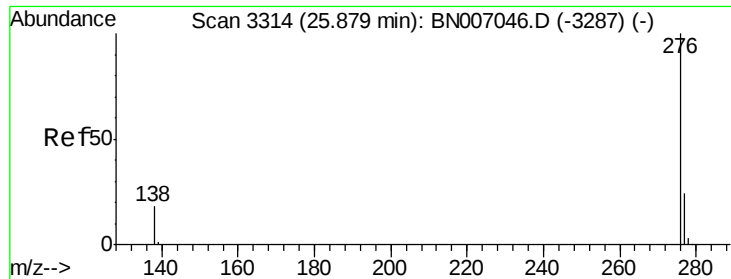
Delta R.T. -0.03 min

Lab File: BN007058.D

Acq: 10 Aug 2019 21:10

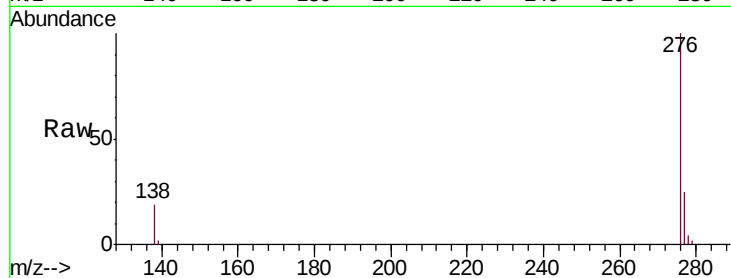
Tgt Ion:	278	Resp:	25141
Ion Ratio	Lower	Upper	
278	100		
139	18.1	11.3	16.9#
279	31.3	19.3	28.9#





#37
 Benzo(g,h,i)perylene
 Concen: 0.611 ng
 RT: 25.87 min Scan# 3310
 Delta R.T. -0.01 min
 Lab File: BN007058.D
 Acq: 10 Aug 2019 21:10

Instrument :
 BNA_N
 ClientSampleId :
 EXT-008-SW111-073119



Tgt	Ion	Ratio	Lower	Upper
276	100			
277	25.1	19.8	29.8	
138	18.5	14.6	22.0	

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:56:11 AM

