

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100219\
 Data File : BN007971.D
 Acq On : 02 Oct 2019 18:29
 Operator : JU
 Sample : K5078-06 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW070-092519

Manual Integrations
 APPROVED

mohammad
 10/4/2019 8:16:32 AM

Quant Time: Oct 03 07:06:00 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Sep 18 18:24:40 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	6333	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	26782	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	17366	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	37178	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	38494	0.40	ng	-0.01
34) Perylene-d12	23.47	264	42275	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	1708	0.08	ng	0.00
5) Phenol-d6	6.87	99	2562	0.09	ng	0.00
8) Nitrobenzene-d5	8.82	82	2070	0.09	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	4260	0.09	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	844	0.09	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	5823	0.08	ng	-0.01
25) Fluoranthene-d10	19.09	212	10860	0.09	ng	-0.01
29) Terphenyl-d14	19.70	244	9353	0.10	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.51	128	3237	0.043	ng	# 85
12) 2-Methylnaphthalene	12.13	142	3059	0.060	ng	# 93
16) Acenaphthylene	14.02	152	66150	0.718	ng	99
17) Acenaphthene	14.37	154	8520	0.143	ng	97
18) Fluorene	15.36	166	17366	0.228	ng	87
23) Phenanthrene	17.10	178	392263	3.387	ng	100
24) Anthracene	17.19	178	56647	0.542	ng	# 96
26) Fluoranthene	19.12	202	707932	4.916	ng	99
28) Pyrene	19.49	202	668376	5.091	ng	96
30) Benzo(a)anthracene	21.24	228	271985	1.919	ng	96
31) Chrysene	21.29	228	340637	2.466	ng	98
32) Bis(2-ethylhexyl)phthalate	21.19	149	36253	0.497	ng	99
33) Indeno(1,2,3-cd)pyrene	25.68	276	220949	1.277	ng	# 95
35) Benzo(b)fluoranthene	22.81	252	417306	2.843	ng	99
36) Benzo(k)fluoranthene	22.85	252	159342m	1.098	ng	
37) Benzo(a)pyrene	23.38	252	276711	2.006	ng	99
38) Dibenzo(a,h)anthracene	25.69	278	51849	0.367	ng	# 87
39) Benzo(g,h,i)perylene	26.36	276	229023	1.640	ng	100

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

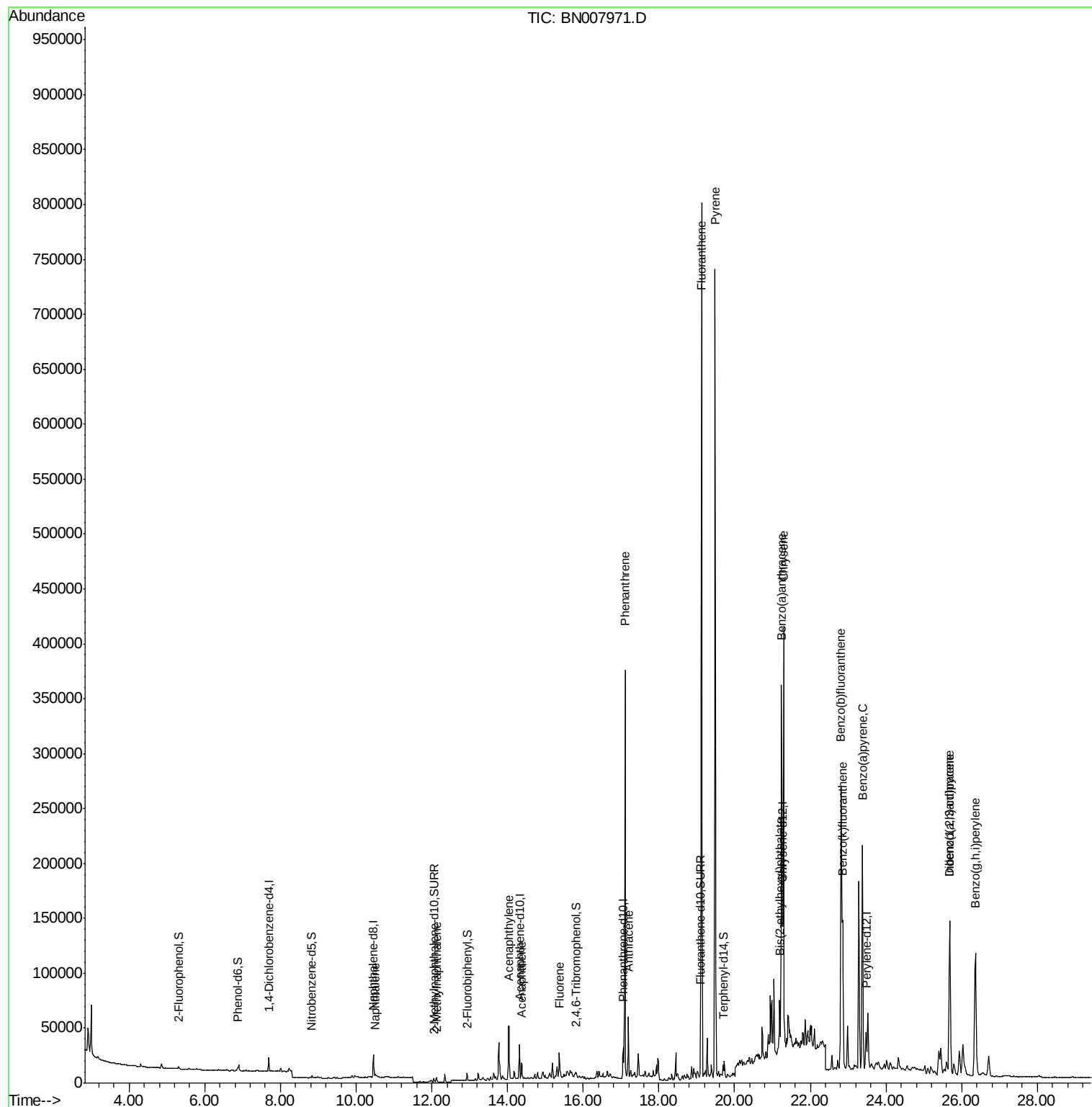
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100219\
Data File : BN007971.D
Acq On : 02 Oct 2019 18:29
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Sample : K5078-06 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

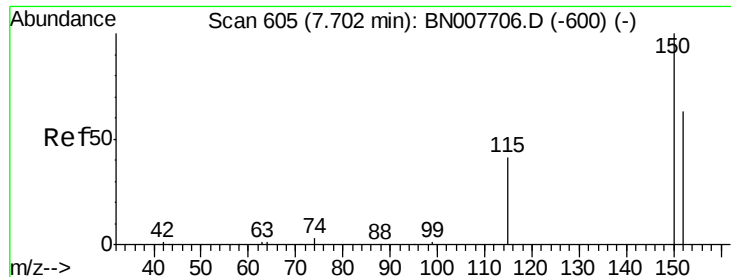
Instrument :
BNA_N
ClientSampleId :
EXT-024-SW070-092519

Manual Integrations
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Quant Time: Oct 03 07:06:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

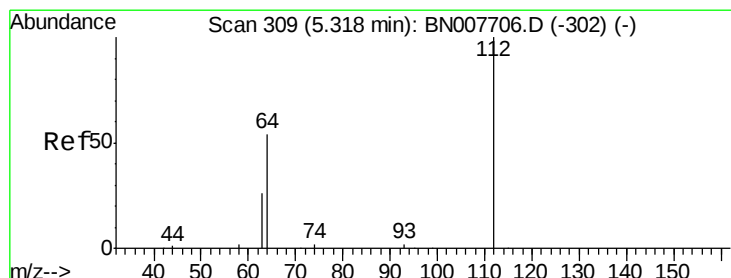
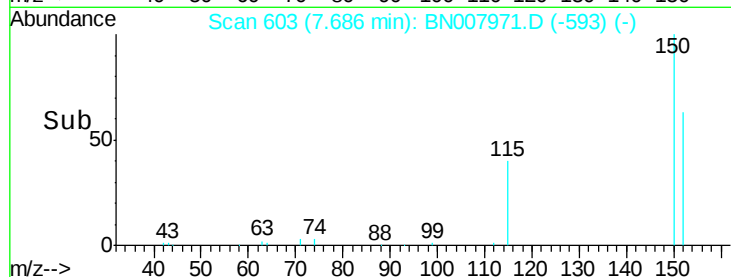
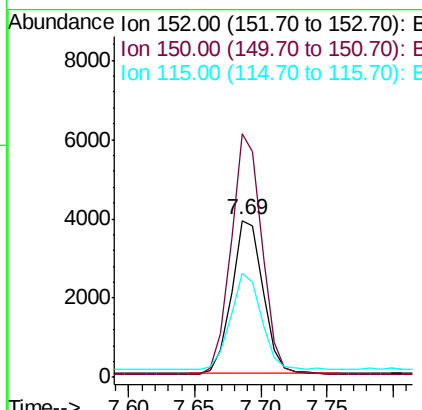
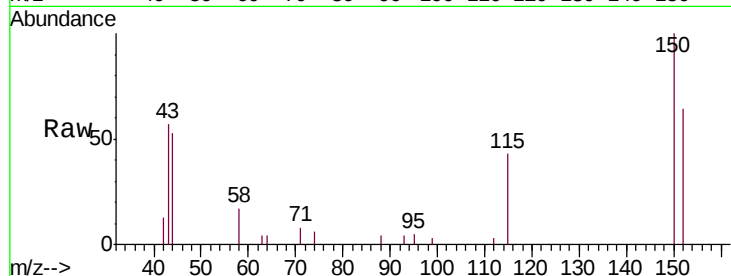
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN007971.D
Acq: 02 Oct 2019 18:29

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW070-092519

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.6	188.4
115	66.9	53.3	79.9

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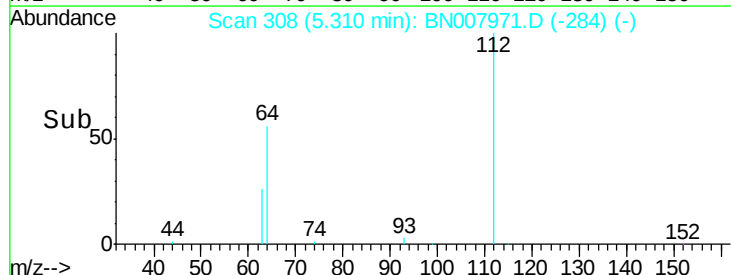
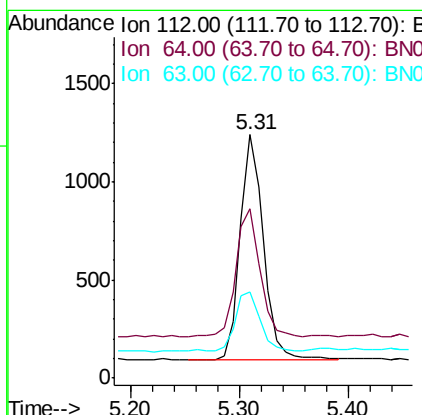
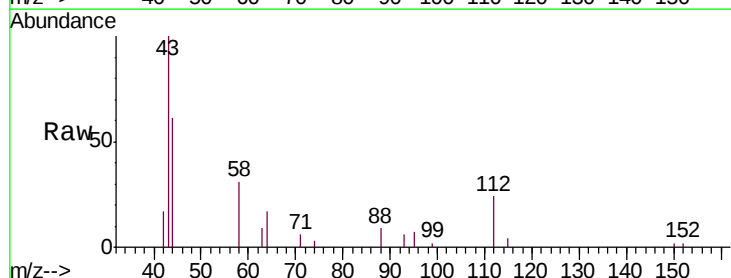
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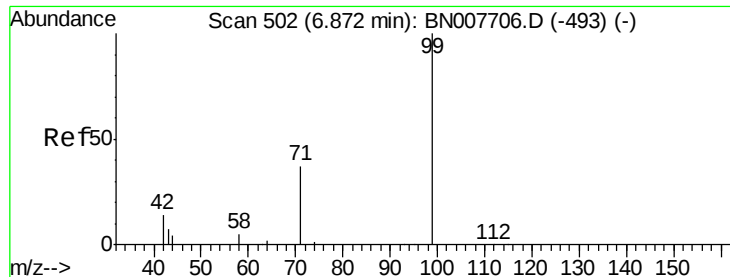


#4

2-Fluorophenol
Concen: 0.078 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007971.D
Acq: 02 Oct 2019 18:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	46.6	70.0
63	30.7	23.1	34.7





#5

Phenol-d6

Concen: 0.089 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007971.D

Acq: 02 Oct 2019 18:29

Instrument :

BNA_N

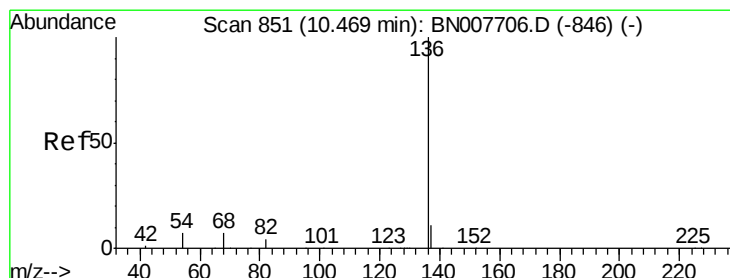
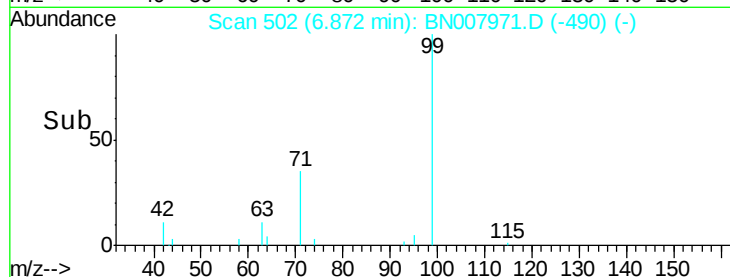
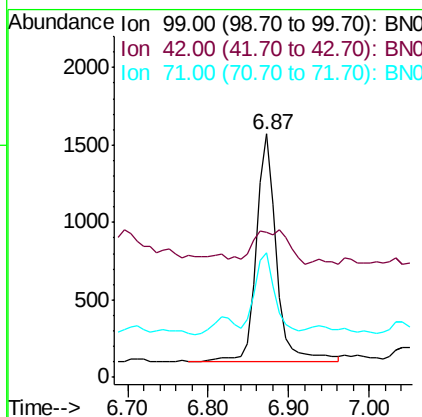
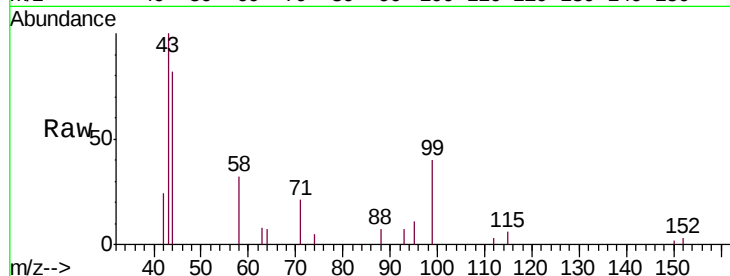
ClientSampleId :

EXT-024-SW070-092519

Tgt Ion:	99	Resp:	2562
Ion	Ratio	Lower	Upper
99	100		
42	26.1	12.8	19.2#
71	35.9	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

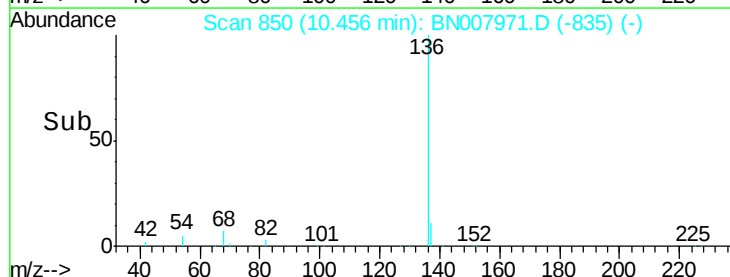
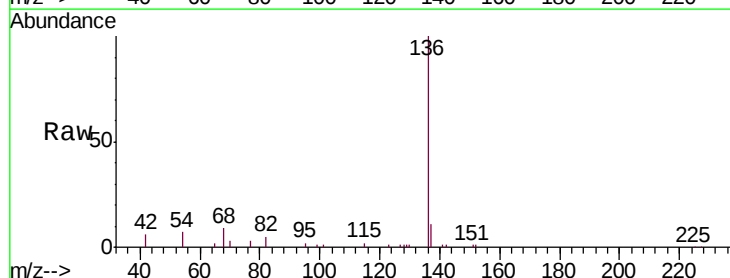
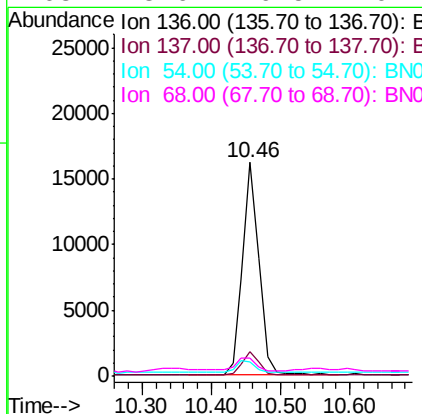
RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007971.D

Acq: 02 Oct 2019 18:29

Tgt Ion:	136	Resp:	26782
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	6.9	5.8	8.8
68	8.6	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.088 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007971.D

Acq: 02 Oct 2019 18:29

Instrument :

BNA_N

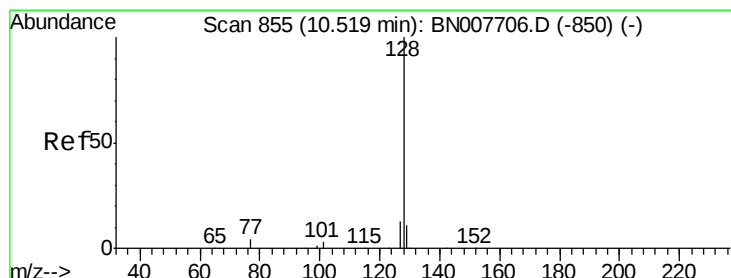
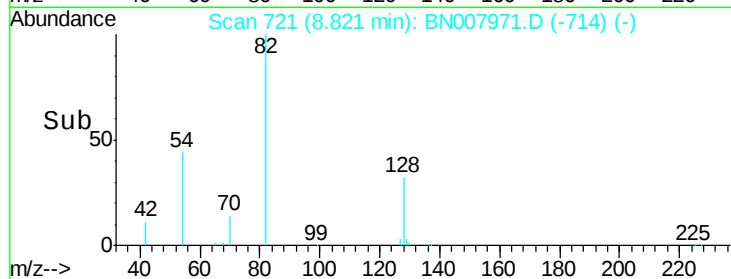
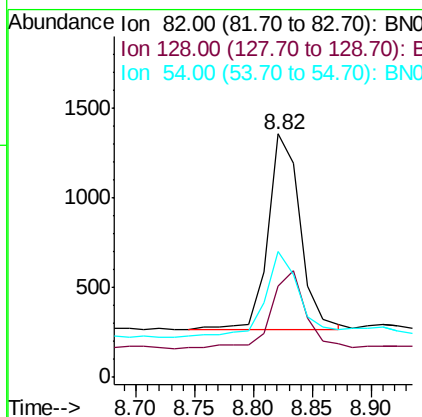
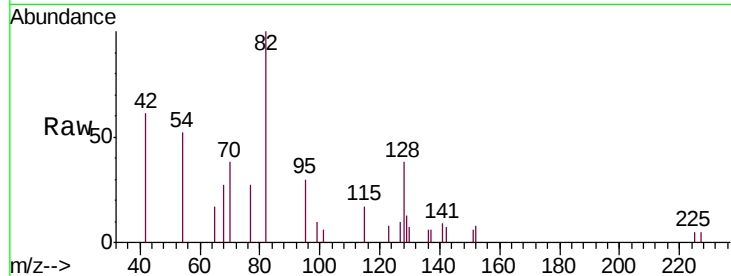
ClientSampleId :

EXT-024-SW070-092519

Tgt Ion:	82	Resp:	2070
Ion Ratio	Lower	Upper	
82	100		
128	37.5	24.5	36.7#
54	51.7	35.2	52.8

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#9

Naphthalene

Concen: 0.043 ng

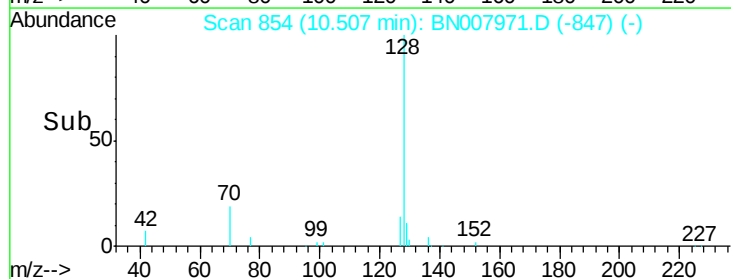
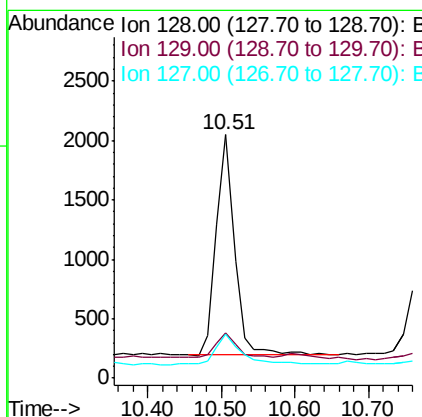
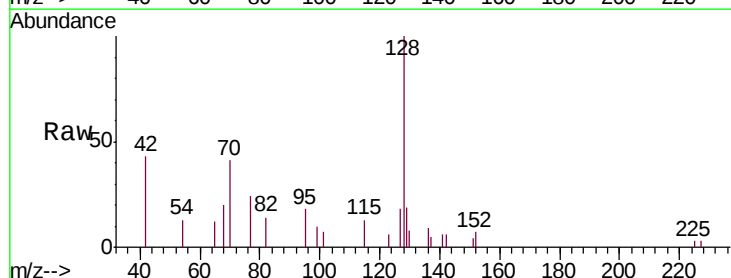
RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN007971.D

Acq: 02 Oct 2019 18:29

Tgt Ion:	128	Resp:	3237
Ion Ratio	Lower	Upper	
128	100		
129	18.7	9.1	13.7#
127	18.0	10.6	15.8#





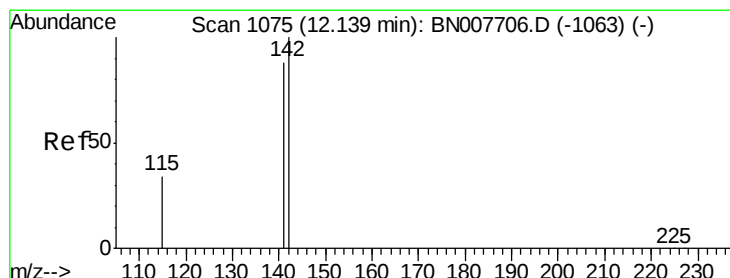
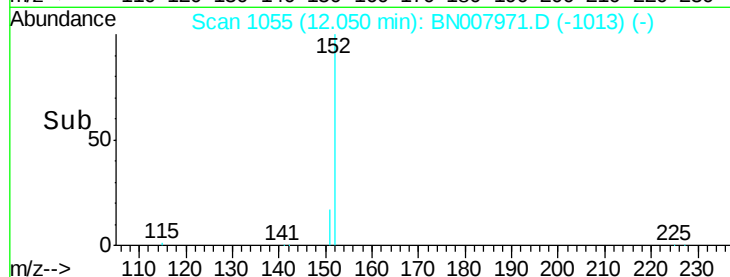
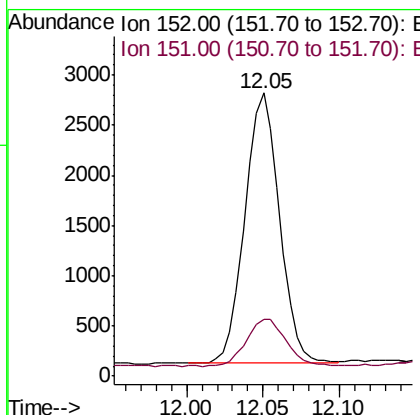
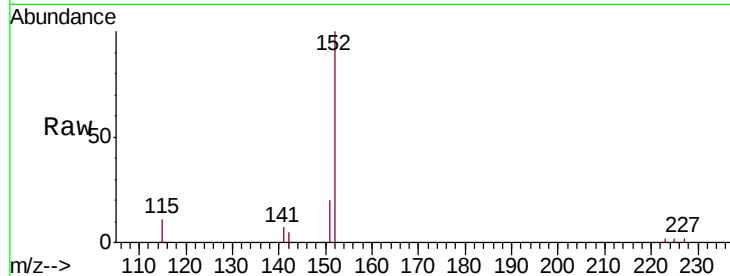
#11
2-Methylnaphthalene-d10
Concen: 0.094 ng
RT: 12.05 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BN007971.D
Acq: 02 Oct 2019 18:29

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW070-092519

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.4	23.2

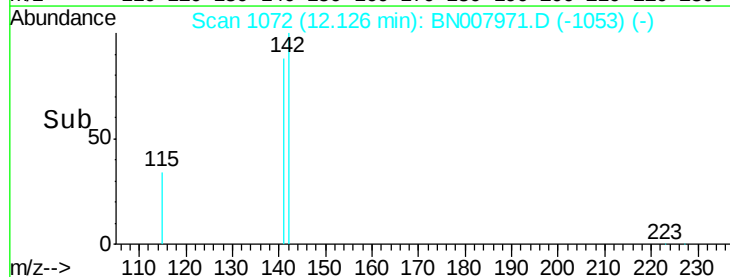
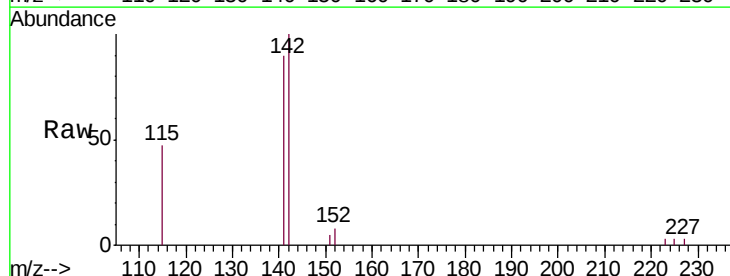
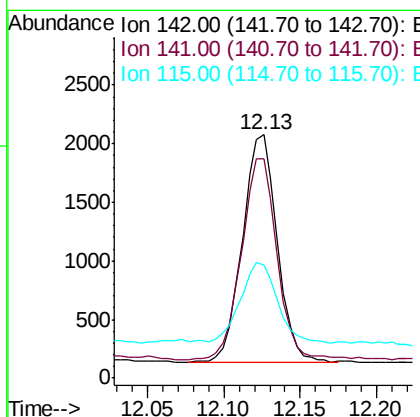
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#12
2-Methylnaphthalene
Concen: 0.060 ng
RT: 12.13 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BN007971.D
Acq: 02 Oct 2019 18:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.6	106.0
115	46.5	28.3	42.5





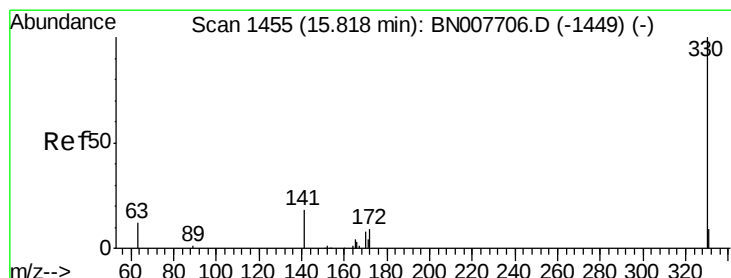
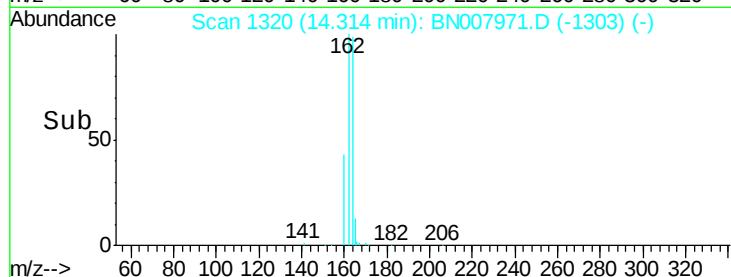
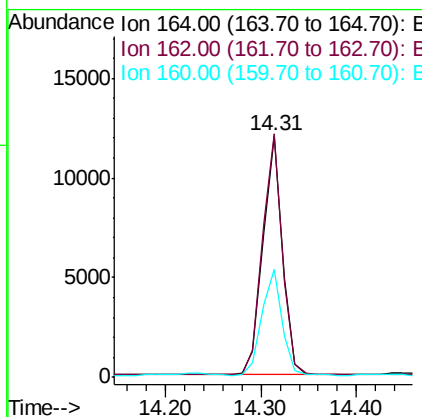
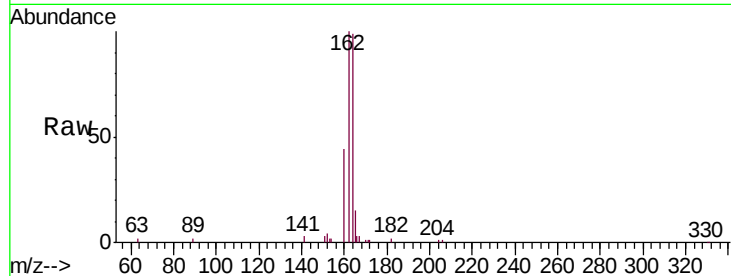
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007971.D
Acq: 02 Oct 2019 18:29

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW070-092519

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.7	122.5
160	44.5	37.0	55.4

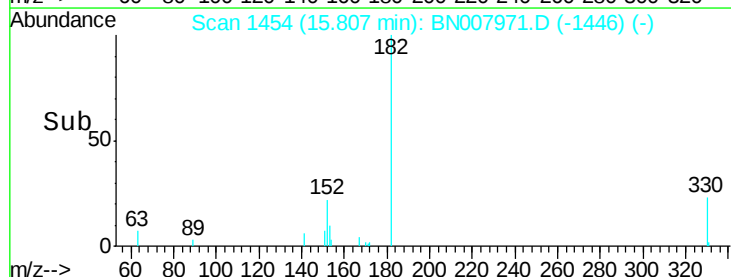
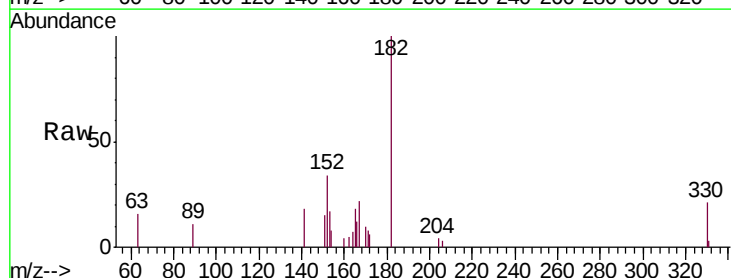
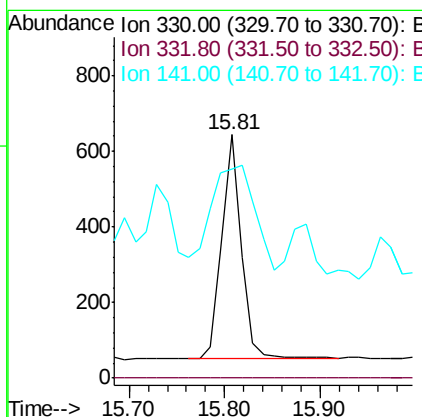
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#14
2,4,6-Tribromophenol
Concen: 0.089 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007971.D
Acq: 02 Oct 2019 18:29

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	101.8	28.7	43.1#





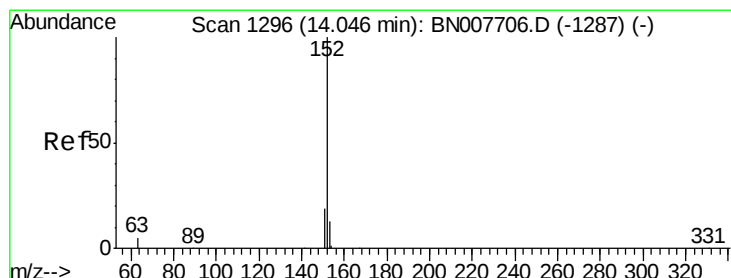
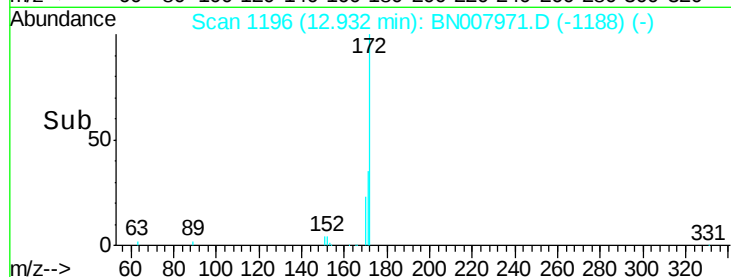
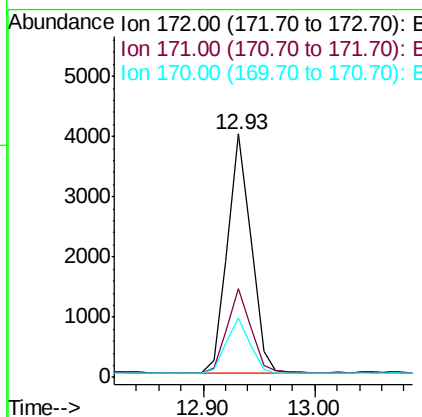
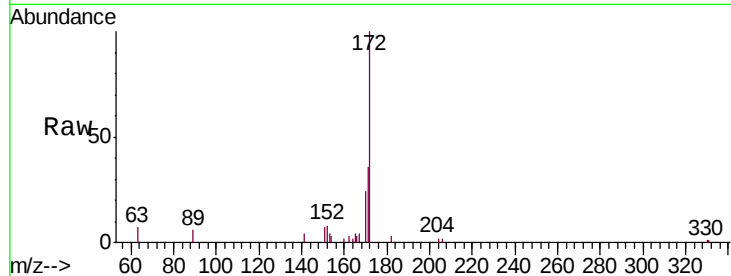
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2-Fluorobiphenyl
Concen: 0.081 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007971.D
Acq: 02 Oct 2019 18:29

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW070-092519

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.8	43.2
170	24.3	19.5	29.3

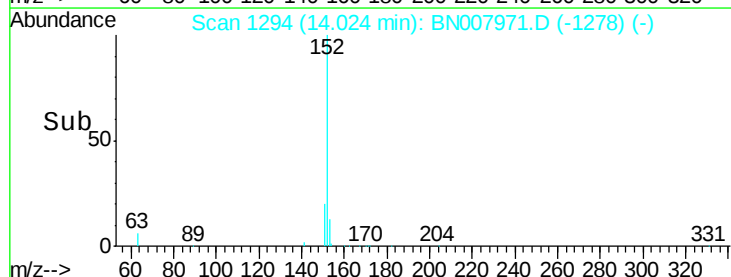
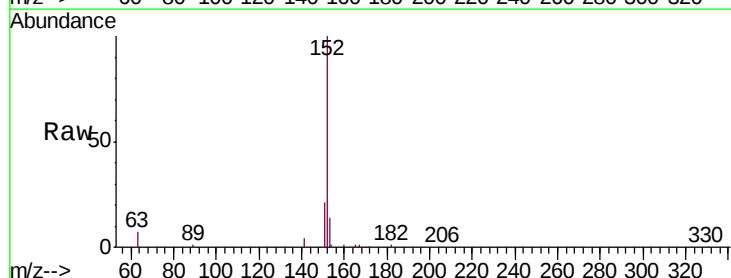
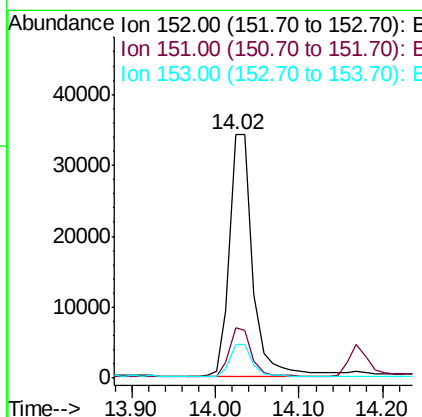
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#16
Acenaphthylene
Concen: 0.718 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007971.D
Acq: 02 Oct 2019 18:29

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3
153	13.2	10.4	15.6





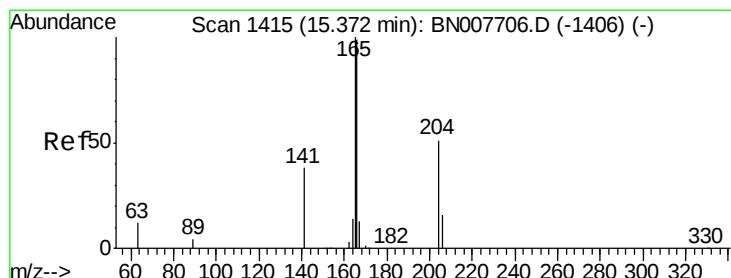
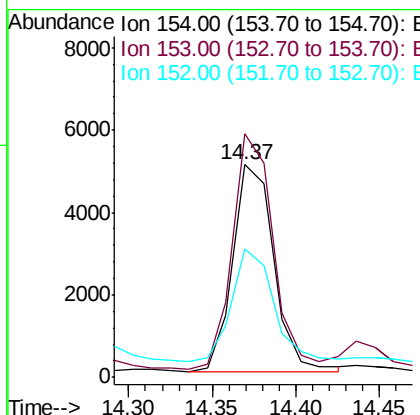
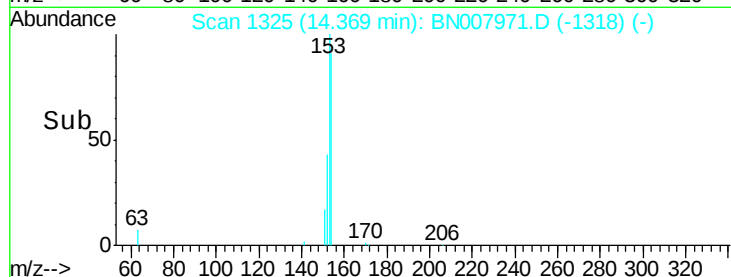
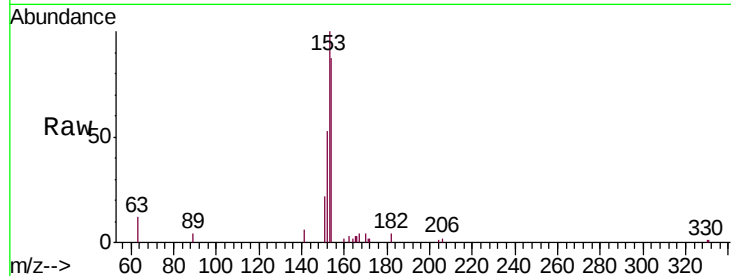
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Acenaphthene
Concen: 0.143 ng
RT: 14.37 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN007971.D
Acq: 02 Oct 2019 18:29

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW070-092519

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.6	87.0	130.4
152	54.8	42.7	64.1

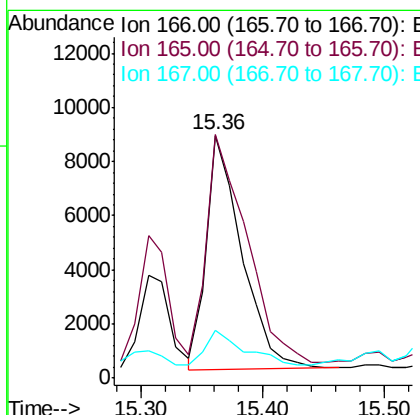
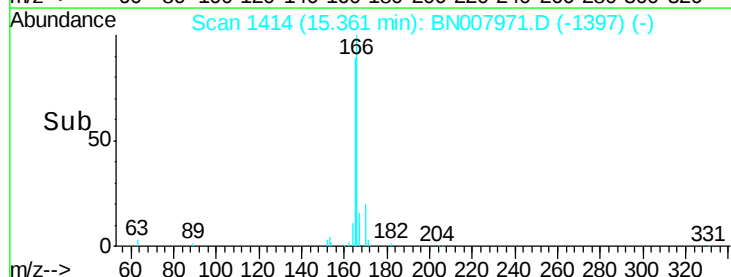
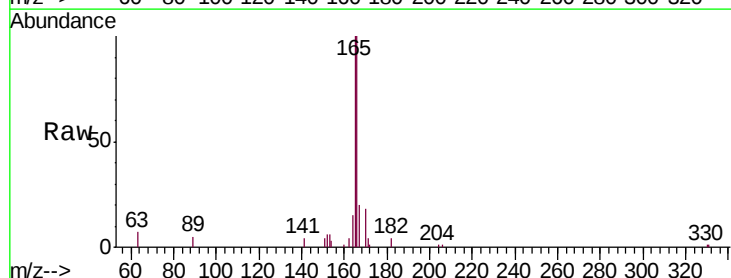
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#18
Fluorene
Concen: 0.228 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN007971.D
Acq: 02 Oct 2019 18:29

Tgt Ion	Ratio	Lower	Upper
166	100		
165	111.4	78.0	117.0
167	16.2	10.9	16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BN007971.D

Acq: 02 Oct 2019 18:29

Instrument :

BNA_N

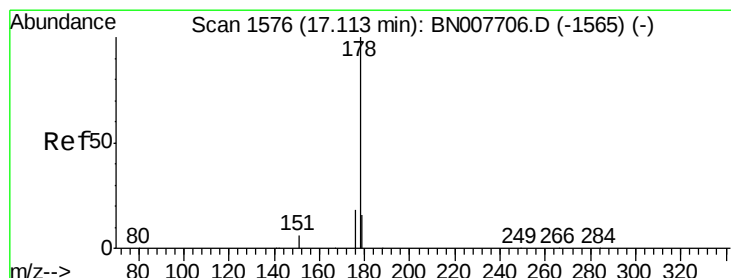
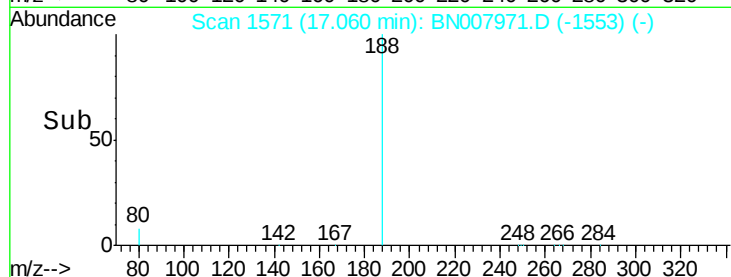
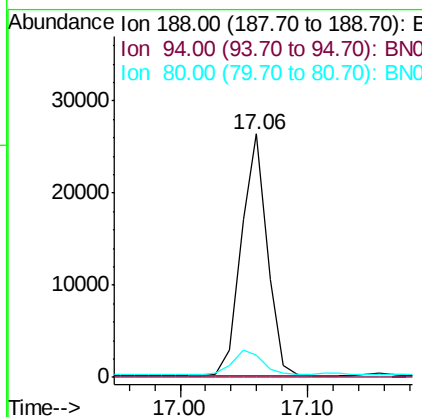
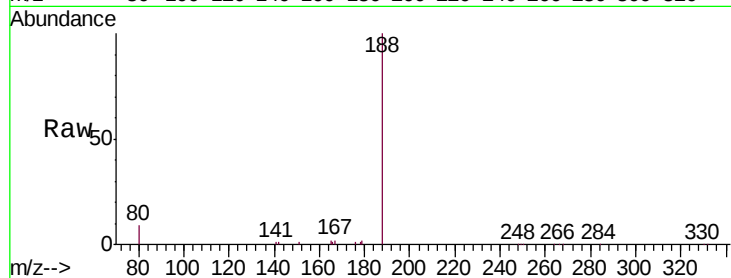
ClientSampleId :

EXT-024-SW070-092519

Tgt Ion:	188	Resp:	37178
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.2	7.4	11.2

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#23

Phenanthrene

Concen: 3.387 ng

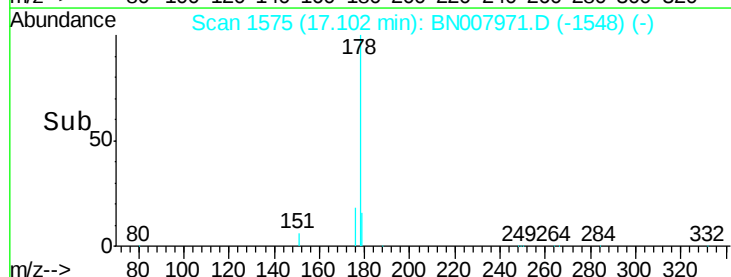
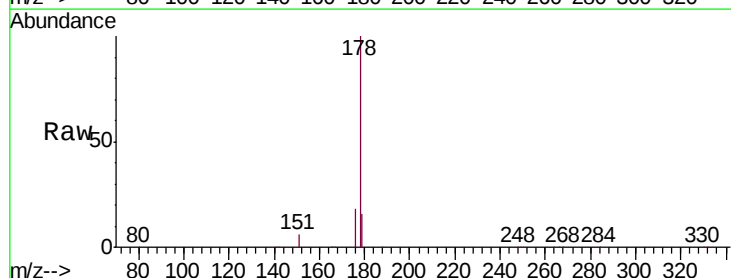
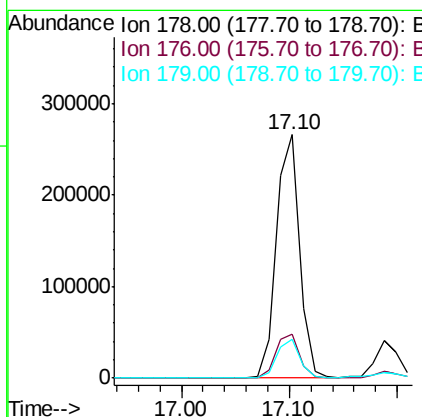
RT: 17.10 min Scan# 1575

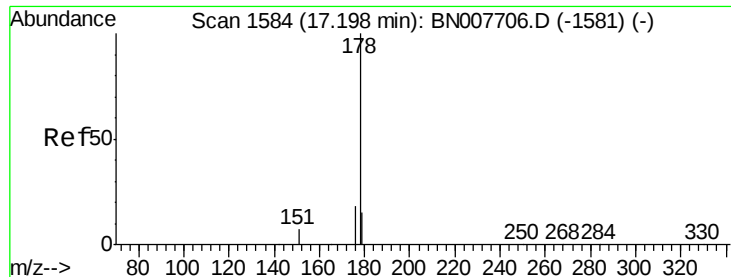
Delta R.T. -0.01 min

Lab File: BN007971.D

Acq: 02 Oct 2019 18:29

Tgt Ion:	178	Resp:	392263
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.9	22.3
179	15.6	12.5	18.7





#24

Anthracene

Concen: 0.542 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007971.D

Acq: 02 Oct 2019 18:29

Instrument :

BNA_N

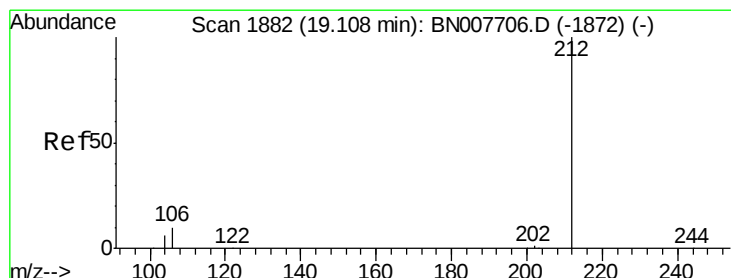
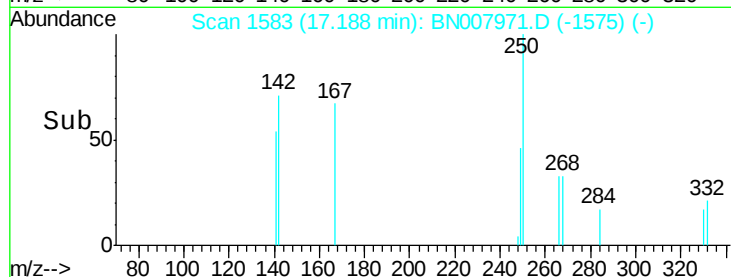
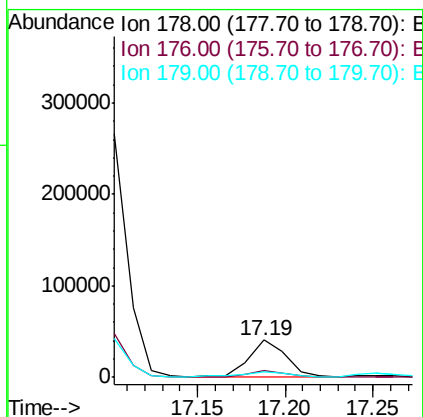
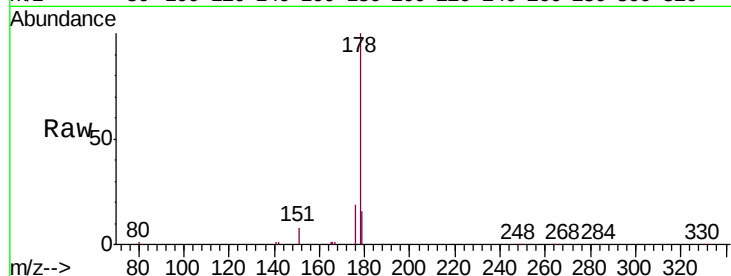
ClientSampleId :

EXT-024-SW070-092519

Tgt Ion:	178	Resp:	56647
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.6	21.8
179	18.5	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.087 ng

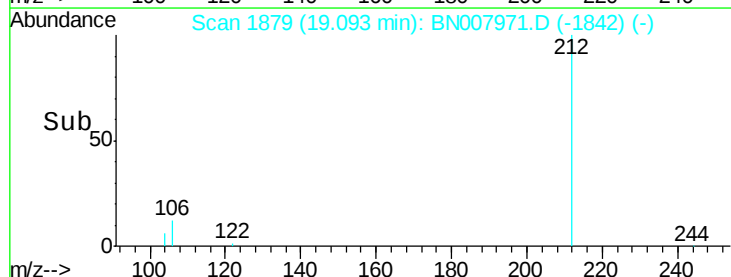
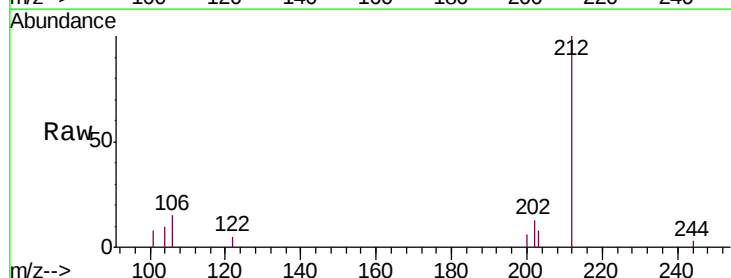
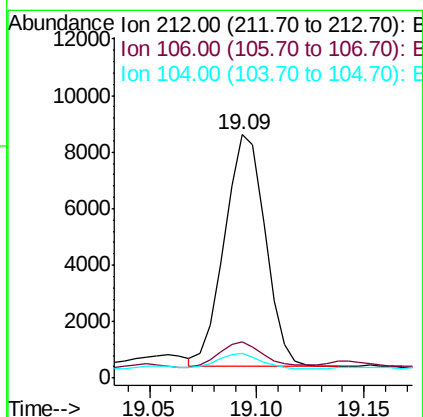
RT: 19.09 min Scan# 1879

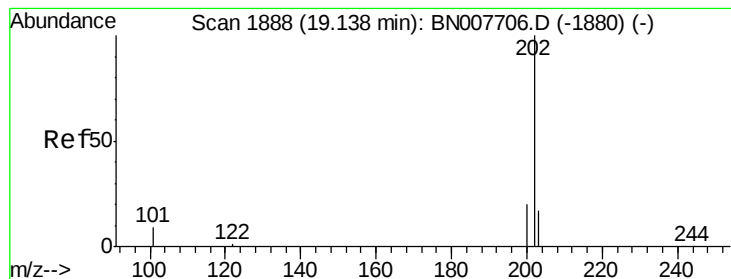
Delta R.T. -0.01 min

Lab File: BN007971.D

Acq: 02 Oct 2019 18:29

Tgt Ion:	212	Resp:	10860
Ion Ratio	Lower	Upper	
212	100		
106	12.6	9.4	14.0
104	7.4	5.3	7.9





#26

Fluoranthene

Concen: 4.916 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BN007971.D

Acq: 02 Oct 2019 18:29

Instrument :

BNA_N

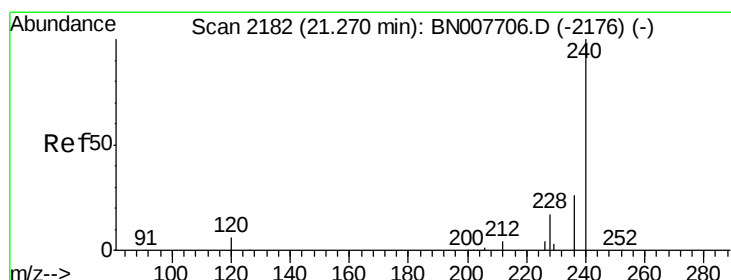
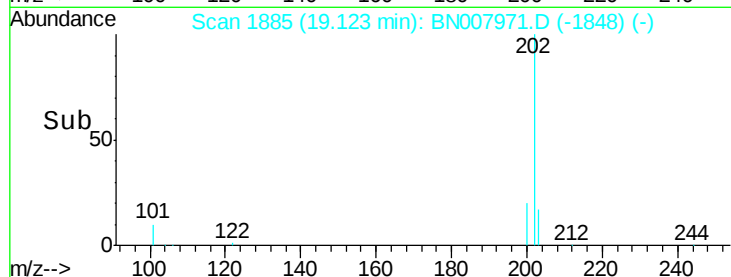
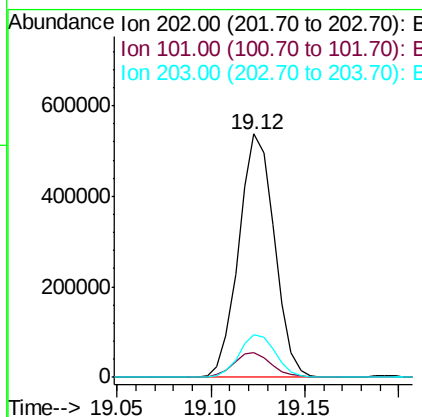
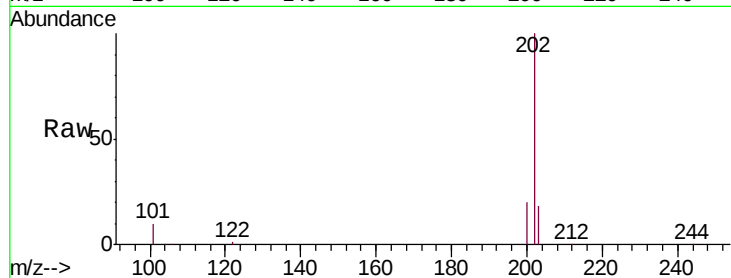
ClientSampleId :

EXT-024-SW070-092519

Tgt Ion:	202	Resp:	707932
Ion Ratio	Lower	Upper	
202	100		
101	10.8	8.4	12.6
203	17.8	13.8	20.8

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#27

Chrysene-d12

Concen: 0.400 ng

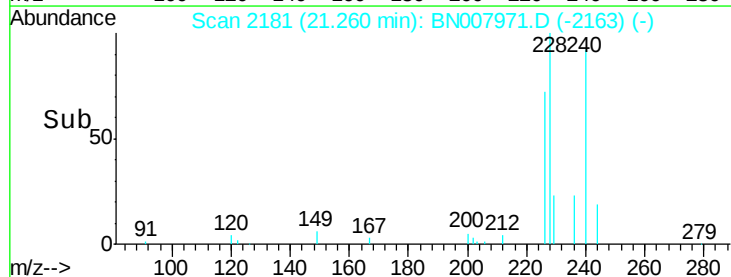
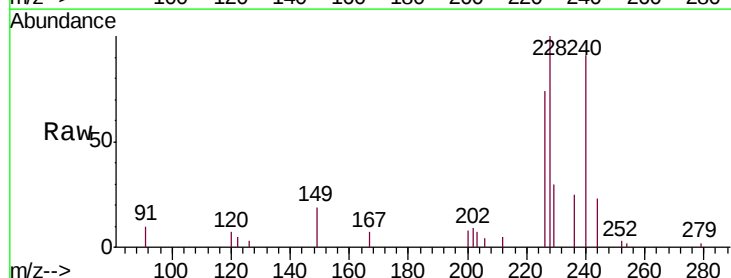
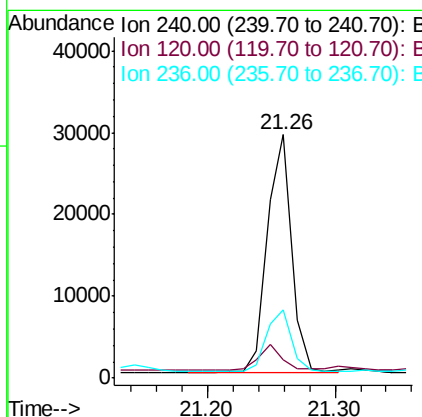
RT: 21.26 min Scan# 2181

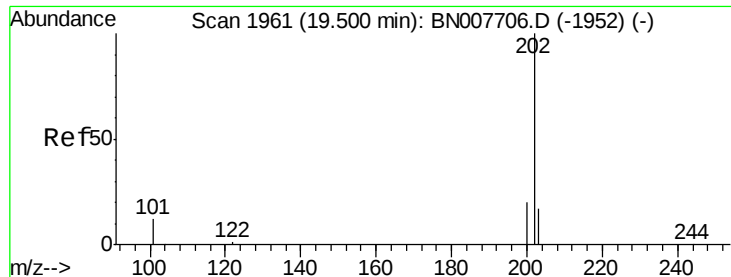
Delta R.T. -0.01 min

Lab File: BN007971.D

Acq: 02 Oct 2019 18:29

Tgt Ion:	240	Resp:	38494
Ion Ratio	Lower	Upper	
240	100		
120	7.7	5.4	8.2
236	27.9	21.0	31.4





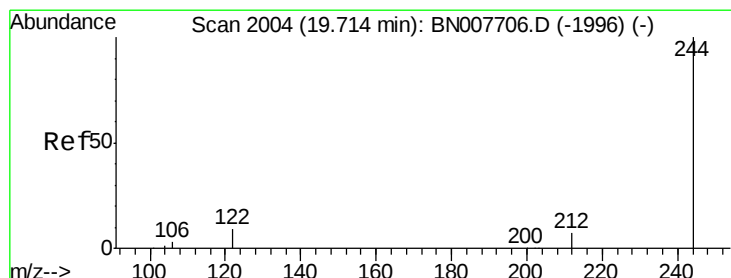
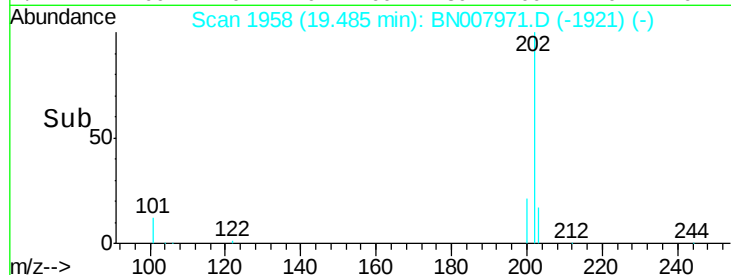
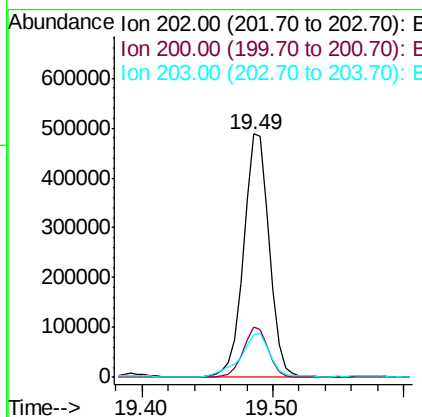
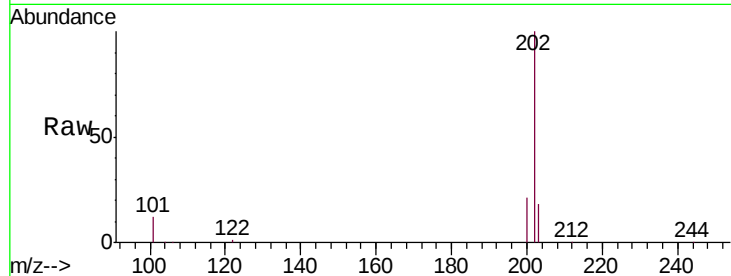
#28
Pyrene
Concen: 5.091 ng
RT: 19.49 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BN007971.D
Acq: 02 Oct 2019 18:29

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW070-092519

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.4	16.4	24.6
203	20.9	14.1	21.1

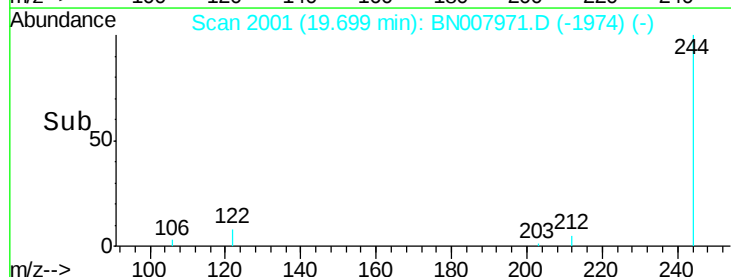
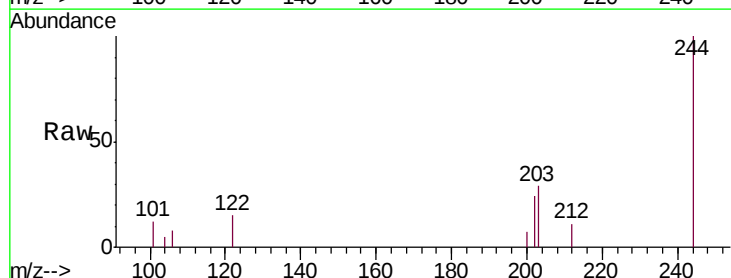
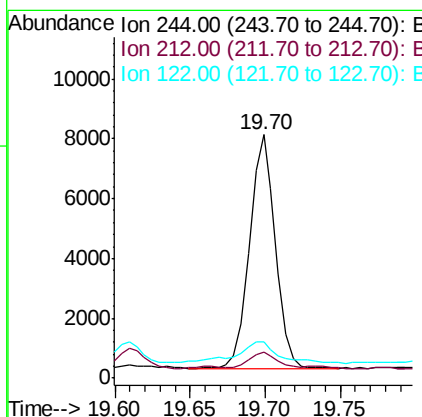
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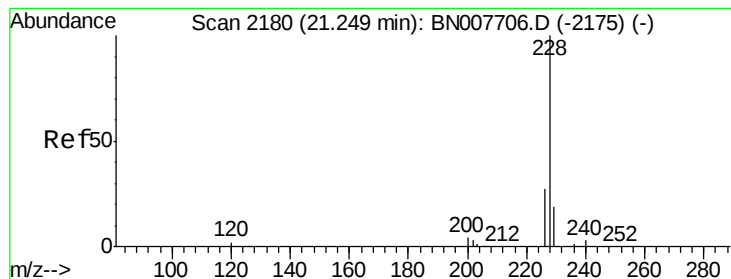
mohammad
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#29
Terphenyl-d14
Concen: 0.099 ng
RT: 19.70 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BN007971.D
Acq: 02 Oct 2019 18:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	10.7	5.9	8.9#
122	14.6	7.4	11.2#





#30

Benzo(a)anthracene

Concen: 1.919 ng

RT: 21.24 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BN007971.D

Acq: 02 Oct 2019 18:29

Instrument :

BNA_N

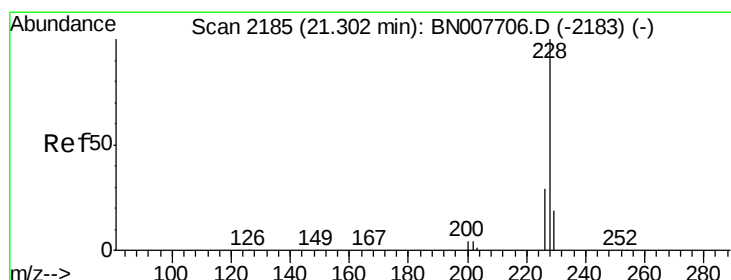
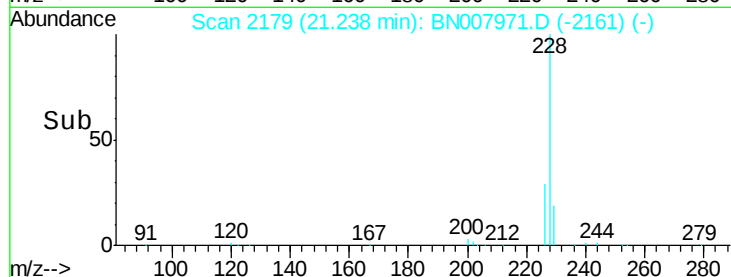
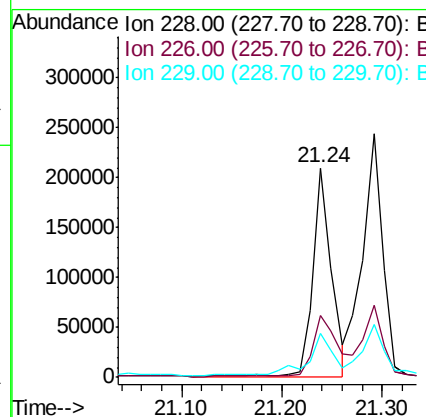
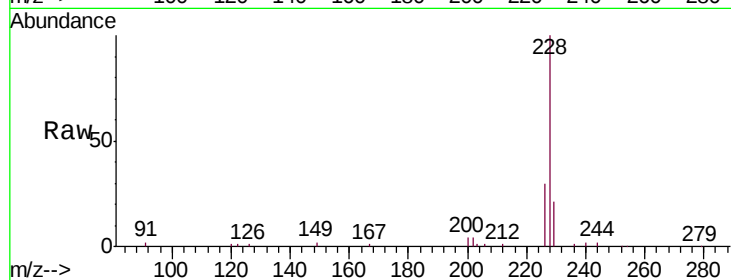
ClientSampleId :

EXT-024-SW070-092519

Tgt Ion:	228	Resp:	271985
Ion Ratio	Lower	Upper	
228	100		
226	29.9	22.1	33.1
229	21.3	15.8	23.6

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#31

Chrysene

Concen: 2.466 ng

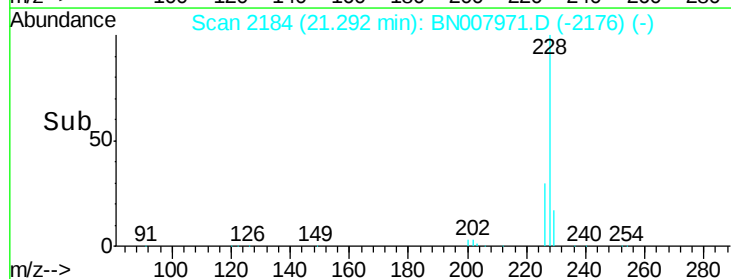
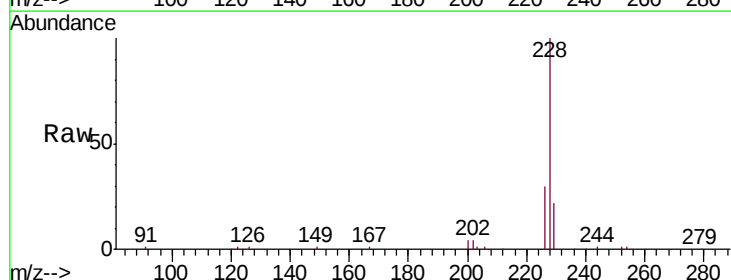
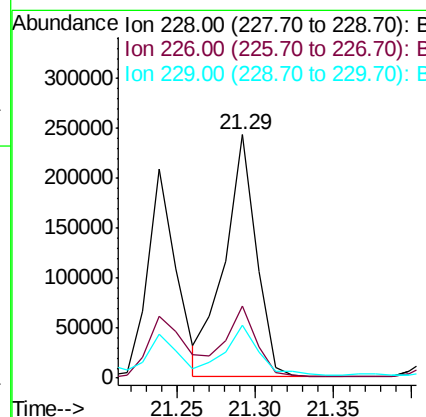
RT: 21.29 min Scan# 2184

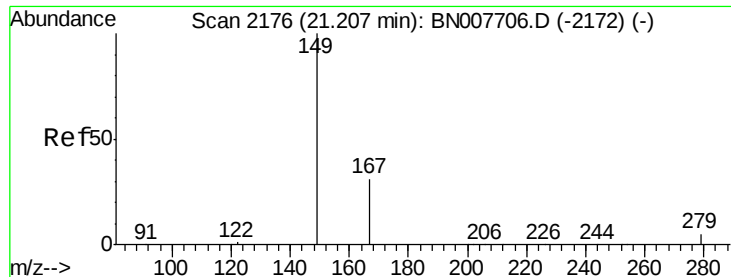
Delta R.T. -0.01 min

Lab File: BN007971.D

Acq: 02 Oct 2019 18:29

Tgt Ion:	228	Resp:	340637
Ion Ratio	Lower	Upper	
228	100		
226	29.8	23.9	35.9
229	21.8	15.8	23.6





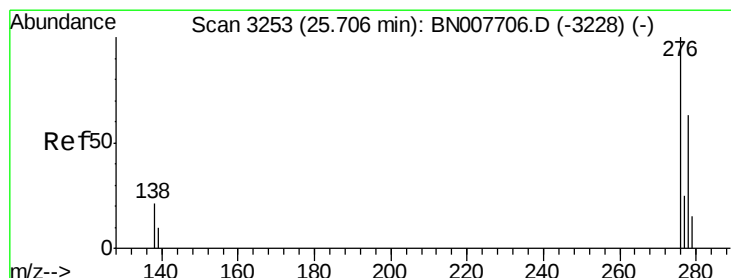
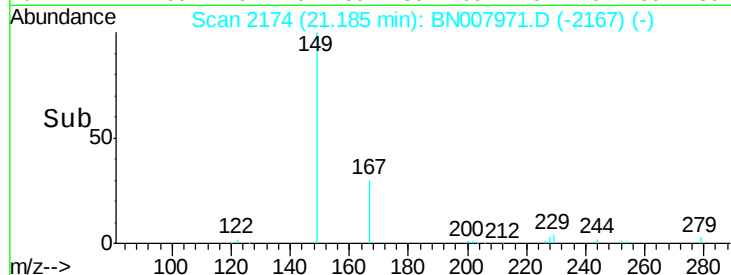
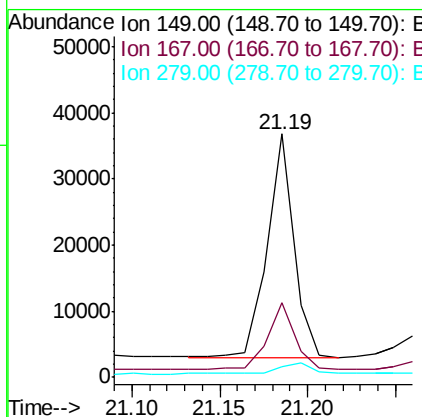
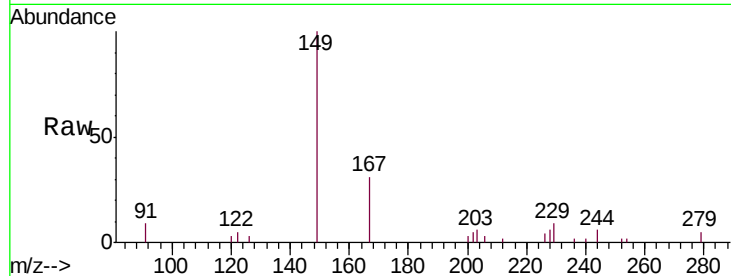
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.497 ng
 RT: 21.19 min Scan# 2174
 Delta R.T. -0.02 min
 Lab File: BN007971.D
 Acq: 02 Oct 2019 18:29

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW070-092519

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.4	23.7	35.5
279	6.2	4.2	6.2

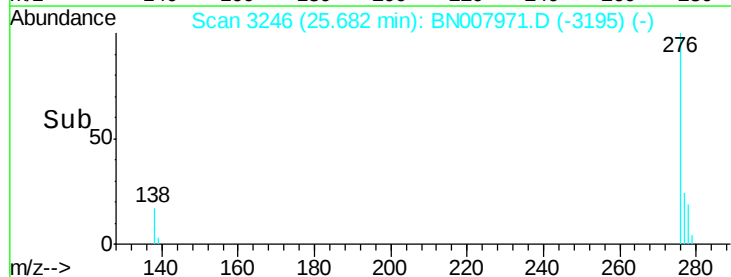
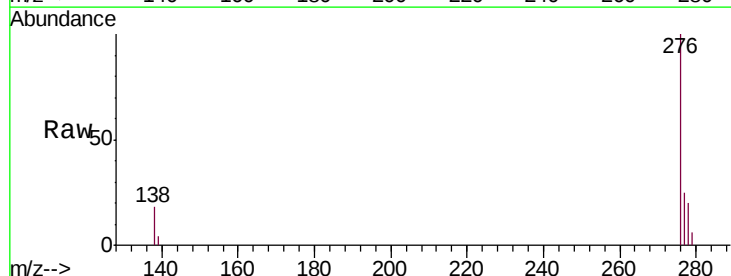
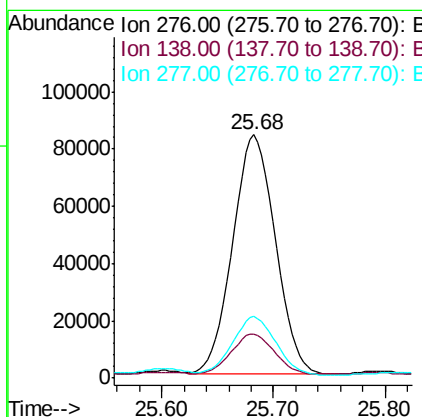
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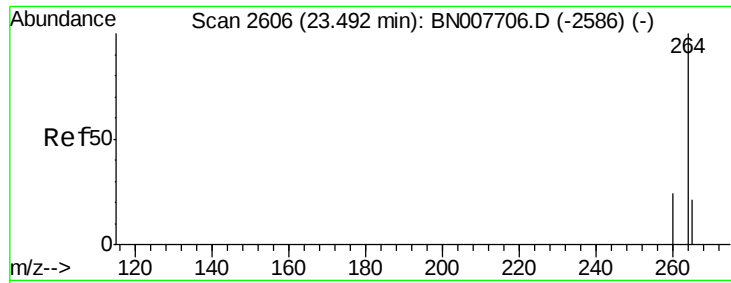
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.277 ng
 RT: 25.68 min Scan# 3246
 Delta R.T. -0.02 min
 Lab File: BN007971.D
 Acq: 02 Oct 2019 18:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.1	17.1	25.7#
277	24.7	20.0	30.0





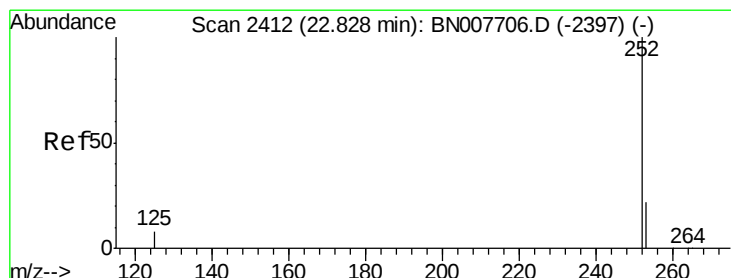
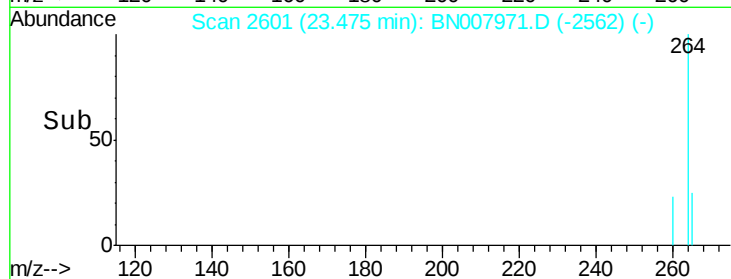
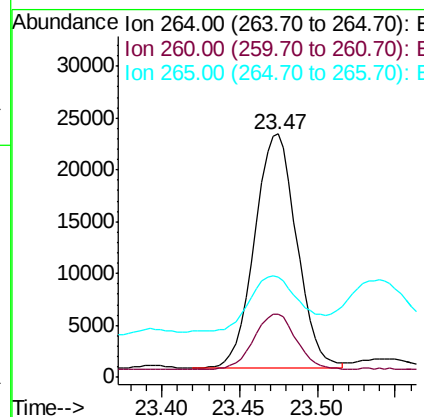
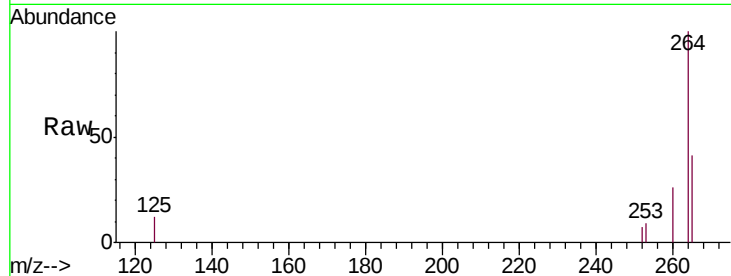
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2601
 Delta R.T. -0.02 min
 Lab File: BN007971.D
 Acq: 02 Oct 2019 18:29

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW070-092519

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.0	19.3	28.9
265	41.4	26.9	40.3

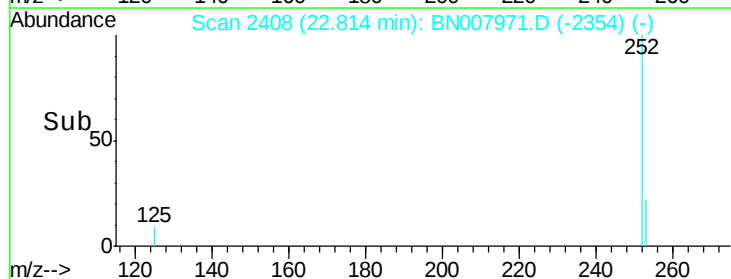
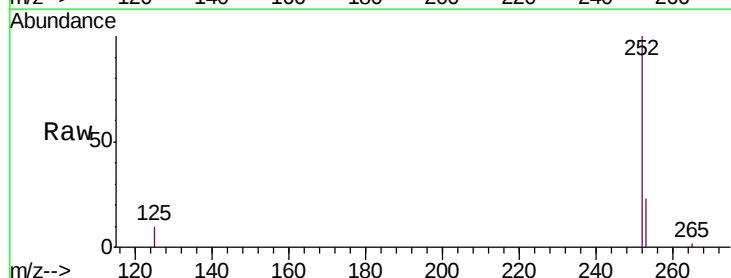
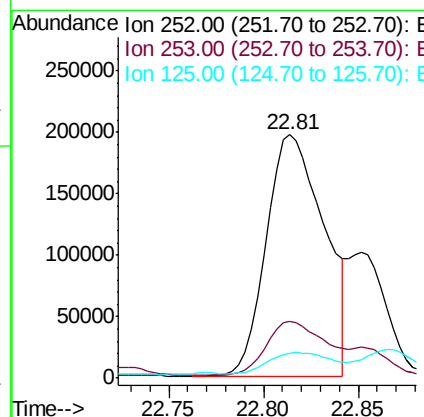
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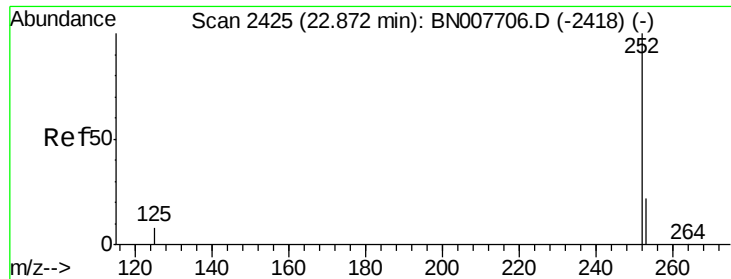
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 2.843 ng
 RT: 22.81 min Scan# 2408
 Delta R.T. -0.01 min
 Lab File: BN007971.D
 Acq: 02 Oct 2019 18:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.3	27.5
125	10.2	8.2	12.4





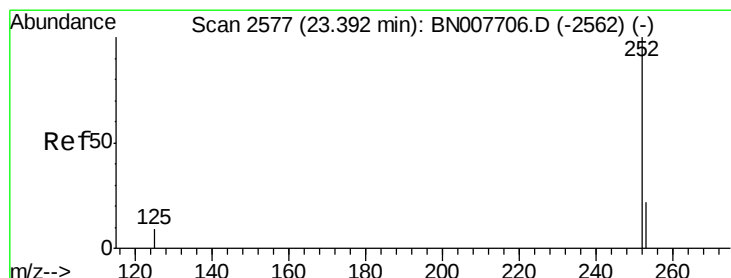
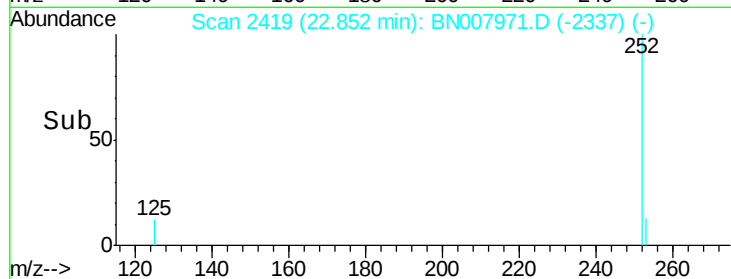
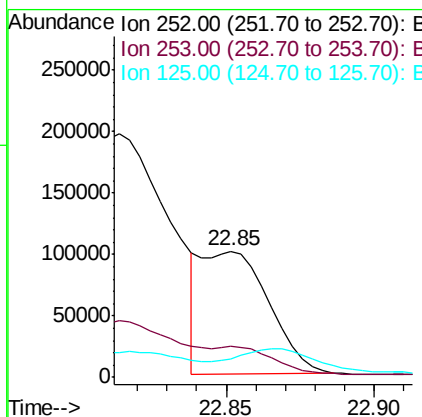
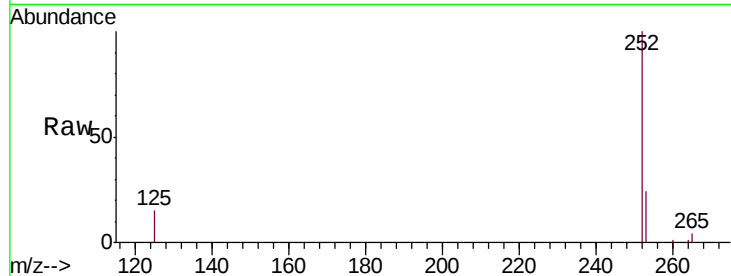
#36
Benzo(k)fluoranthene
Concen: 1.098 ng m
RT: 22.85 min Scan# 2419
Delta R.T. -0.02 min
Lab File: BN007971.D
Acq: 02 Oct 2019 18:29

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW070-092519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.5	27.7
125	14.8	8.4	12.6

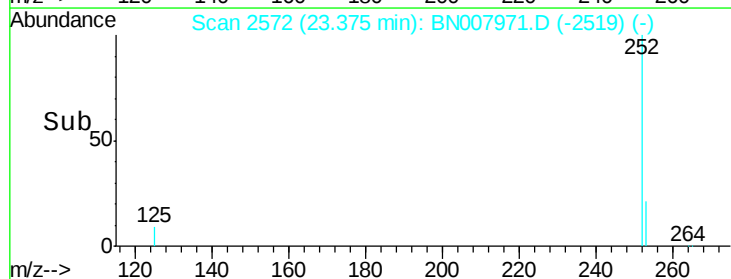
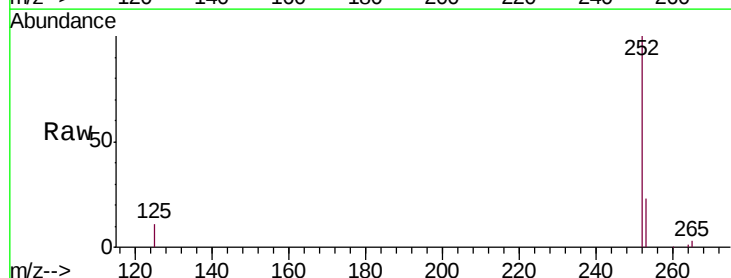
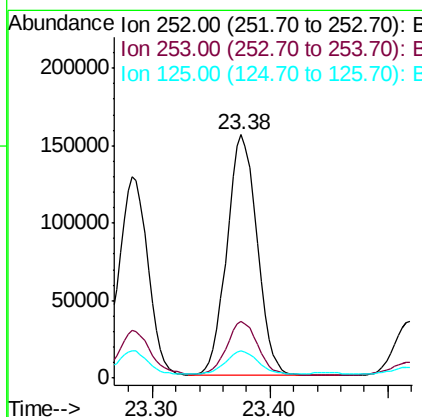
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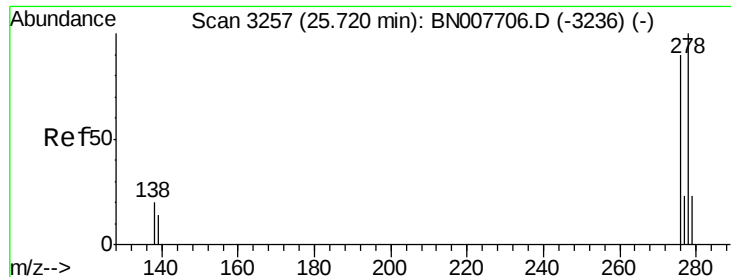
mohammad
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#37
Benzo(a)pyrene
Concen: 2.006 ng
RT: 23.38 min Scan# 2572
Delta R.T. -0.02 min
Lab File: BN007971.D
Acq: 02 Oct 2019 18:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	27.8
125	11.0	9.4	14.0





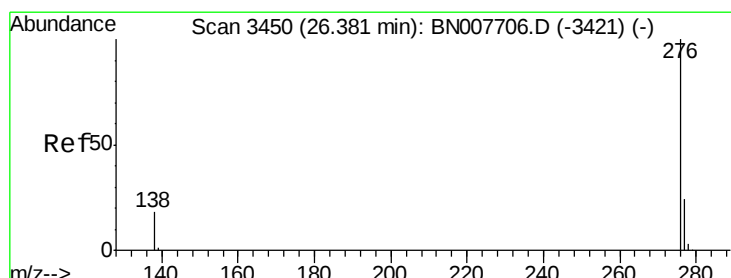
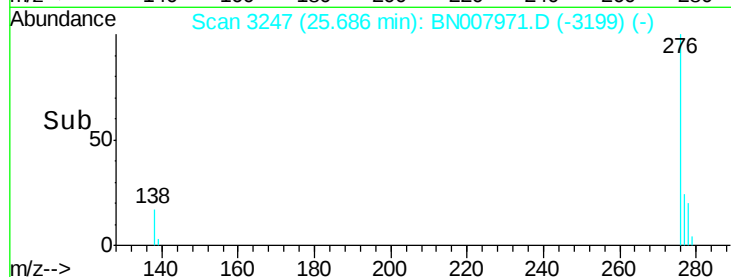
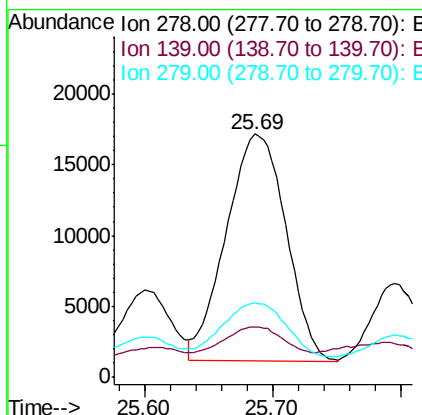
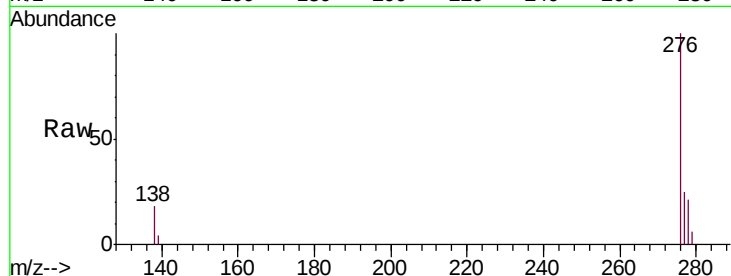
#38
 Dibenzo(a,h)anthracene
 Concen: 0.367 ng
 RT: 25.69 min Scan# 3247
 Delta R.T. -0.03 min
 Lab File: BN007971.D
 Acq: 02 Oct 2019 18:29

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW070-092519

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.7	11.8	17.6#
279	30.4	19.4	29.2#

Manual Integrations
 APPROVED

mohammad
 10/4/2019 8:16:32 AM



#39
 Benzo(g,h,i)perylene
 Concen: 1.640 ng
 RT: 26.36 min Scan# 3444
 Delta R.T. -0.02 min
 Lab File: BN007971.D
 Acq: 02 Oct 2019 18:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.8	29.8
138	18.7	15.1	22.7

