

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
 Data File : BN008033.D
 Acq On : 05 Oct 2019 19:26
 Operator : JU
 Sample : K5078-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW071-092619

Manual Integrations
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 10/7/2019 4:39:57 PM

Quant Time: Oct 07 07:00:50 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 03 18:39:49 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	4004	0.40	ng	-0.02
7) Naphthalene-d8	10.44	136	15991	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	10035	0.40	ng	-0.02
19) Phenanthrene-d10	17.05	188	20109	0.40	ng	-0.02
27) Chrysene-d12	21.25	240	21110	0.40	ng	-0.02
34) Perylene-d12	23.47	264	23516	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	3162	0.23	ng	0.00
5) Phenol-d6	6.87	99	3900	0.22	ng	0.00
8) Nitrobenzene-d5	8.82	82	3623	0.26	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	7091	0.26	ng	-0.02
14) 2,4,6-Tribromophenol	15.81	330	1414	0.26	ng	-0.01
15) 2-Fluorobiphenyl	12.92	172	9535	0.23	ng	-0.02
25) Fluoranthene-d10	19.09	212	17127	0.25	ng	-0.02
29) Terphenyl-d14	19.69	244	14082	0.27	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	942	0.021	ng	# 60
12) 2-Methylnaphthalene	12.12	142	692	0.023	ng	# 80
16) Acenaphthylene	14.02	152	12664	0.238	ng	99
17) Acenaphthene	14.37	154	2696	0.079	ng	97
18) Fluorene	15.36	166	4192	0.095	ng	90
23) Phenanthrene	17.09	178	106819	1.705	ng	100
24) Anthracene	17.19	178	14721	0.260	ng	# 96
26) Fluoranthene	19.12	202	262351	3.368	ng	99
28) Pyrene	19.48	202	218905	3.040	ng	96
30) Benzo(a)anthracene	21.24	228	103111	1.326	ng	94
31) Chrysene	21.29	228	121576	1.605	ng	96
32) Bis(2-ethylhexyl)phthalate	21.17	149	13621	0.341	ng	99
33) Indeno(1,2,3-cd)pyrene	25.68	276	92888	0.979	ng	# 95
35) Benzo(b)fluoranthene	22.81	252	178259	2.183	ng	# 93
36) Benzo(k)fluoranthene	22.84	252	53469m	0.662	ng	
37) Benzo(a)pyrene	23.37	252	107755	1.405	ng	# 92
38) Dibenzo(a,h)anthracene	25.68	278	20704	0.264	ng	# 63
39) Benzo(g,h,i)perylene	26.35	276	93253	1.201	ng	96

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

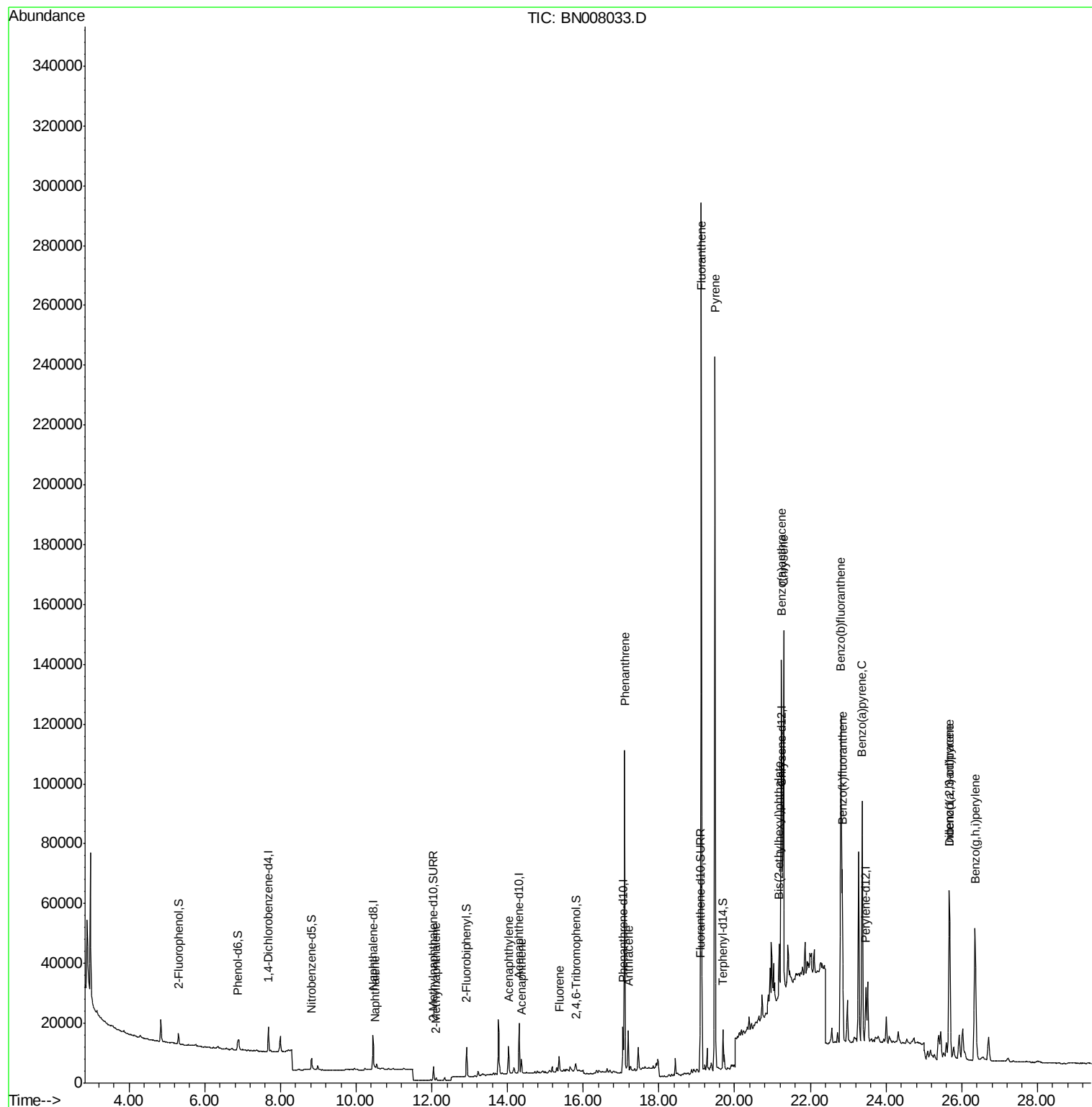
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 03 18:39:49 2019
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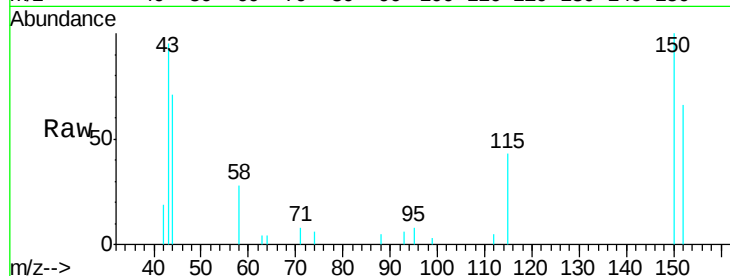




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 602
Delta R.T. -0.02 min
Lab File: BN008033.D
Acq: 05 Oct 2019 19:26

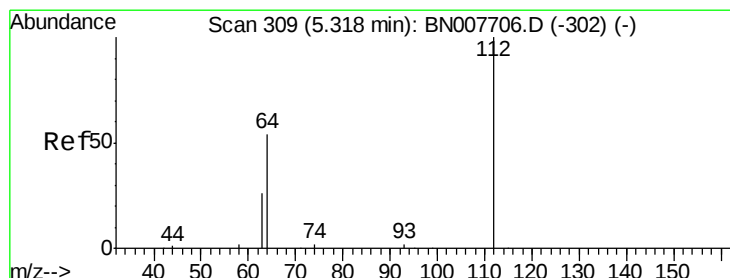
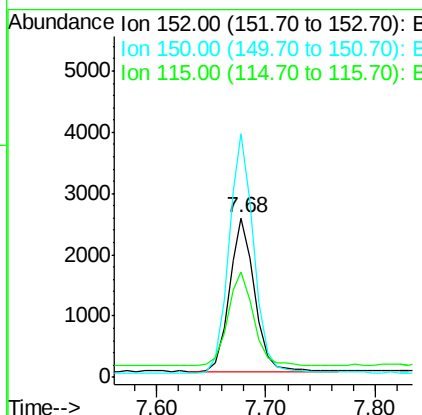
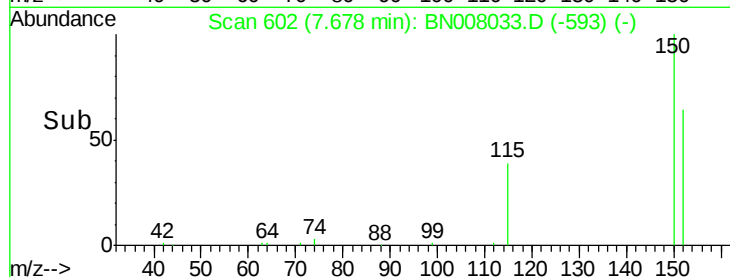
Instrument :
BNA_N
ClientSampleId :
EXT-024-SW071-092619



Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.5	125.6	188.4
115	65.7	53.3	79.9

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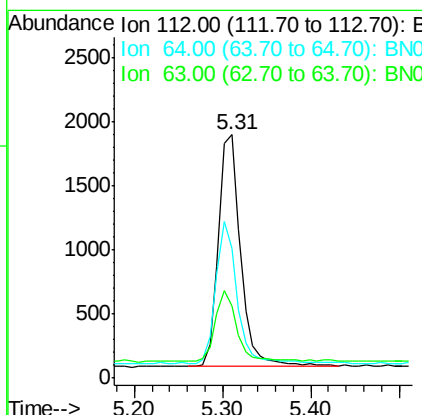
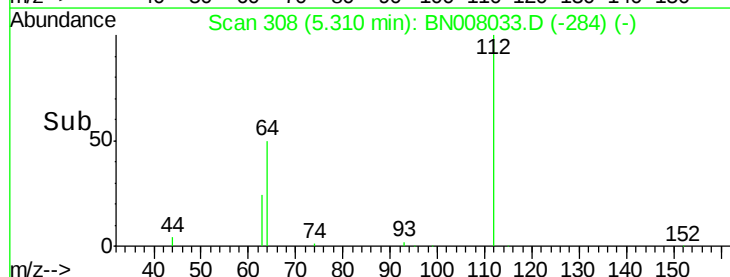
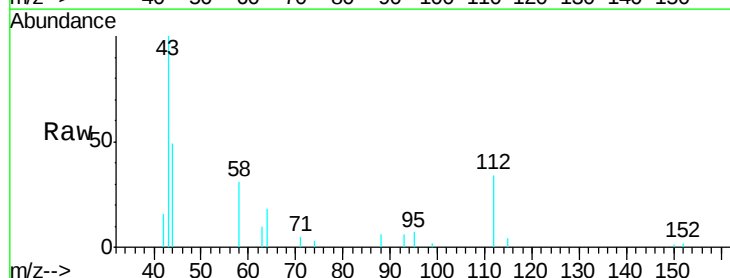
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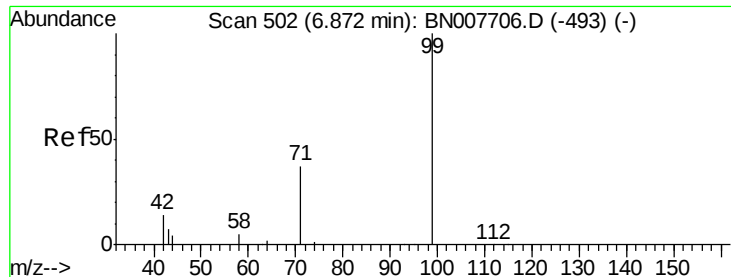


#4

2-Fluorophenol
Concen: 0.229 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN008033.D
Acq: 05 Oct 2019 19:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	46.6	70.0
63	29.2	23.1	34.7





#5

Phenol-d6

Concen: 0.224 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN008033.D

Acq: 05 Oct 2019 19:26

Instrument :

BNA_N

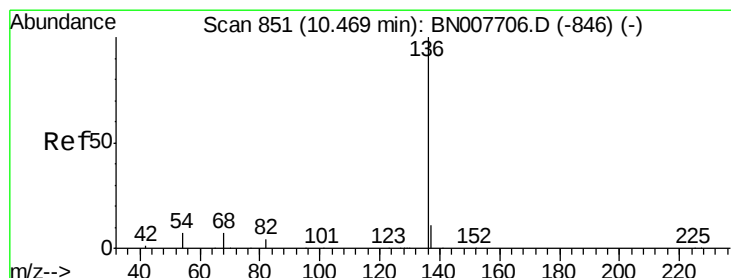
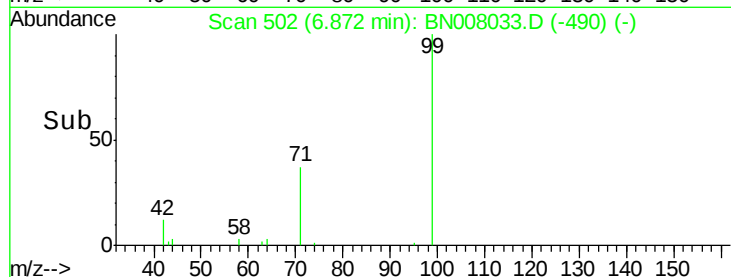
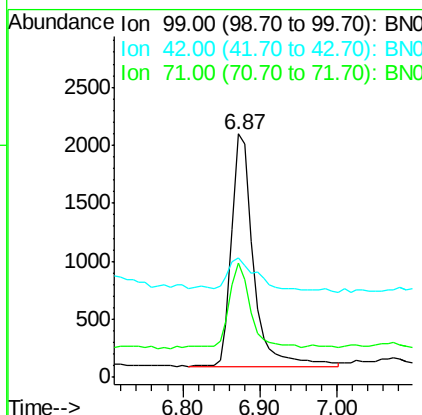
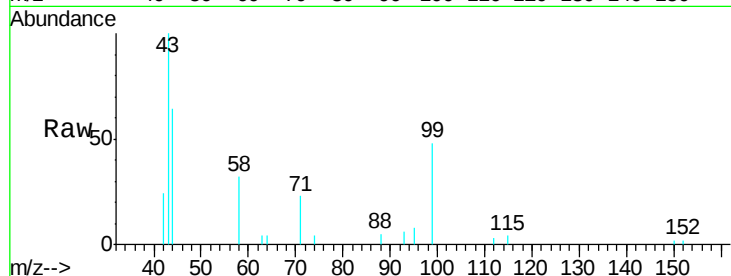
ClientSampleId :

EXT-024-SW071-092619

Tgt Ion:	99	Resp:	3900
Ion	Ratio	Lower	Upper
99	100		
42	18.6	12.8	19.2
71	35.1	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

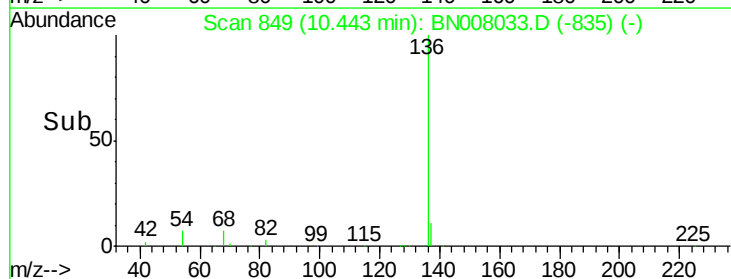
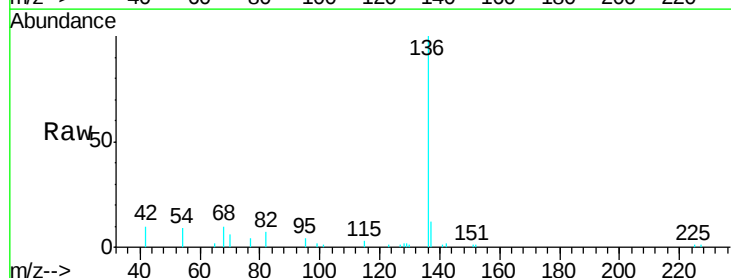
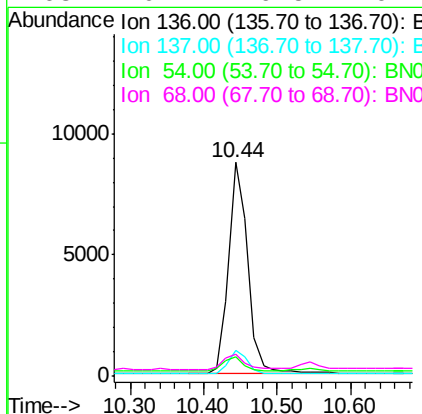
RT: 10.44 min Scan# 849

Delta R.T. -0.03 min

Lab File: BN008033.D

Acq: 05 Oct 2019 19:26

Tgt Ion:	136	Resp:	15991
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.2	13.8
54	9.0	5.8	8.8#
68	10.4	6.5	9.7#





#8

Nitrobenzene-d5

Concen: 0.259 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN008033.D

Acq: 05 Oct 2019 19:26

Instrument :

BNA_N

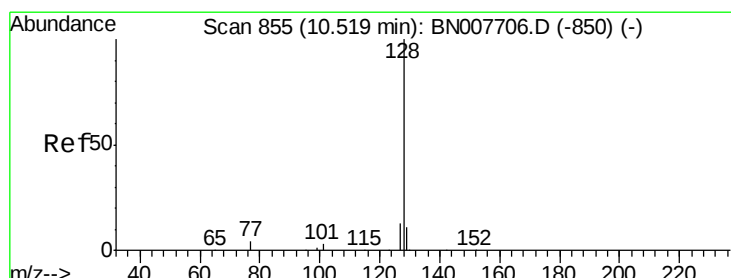
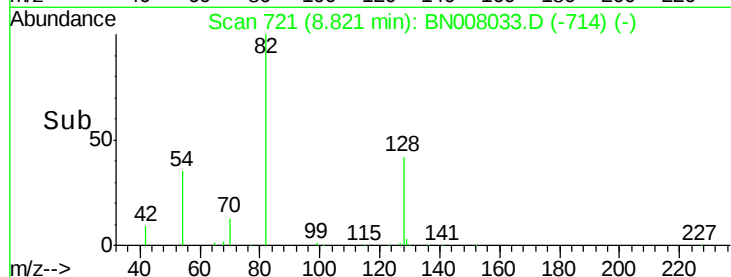
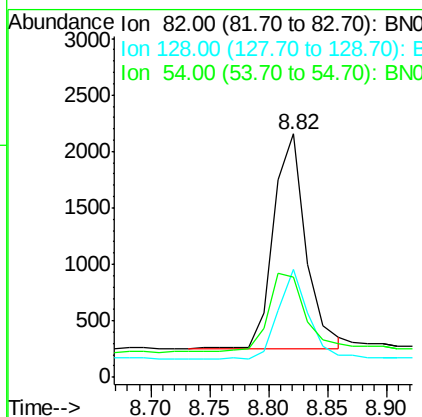
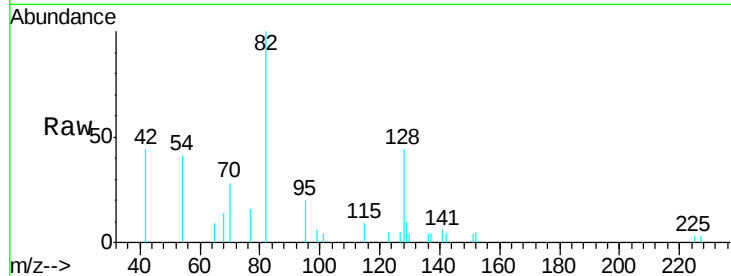
ClientSampleId :

EXT-024-SW071-092619

Tgt Ion:	82	Resp:	3623
Ion Ratio	Lower	Upper	
82	100		
128	44.5	24.5	36.7#
54	41.4	35.2	52.8

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#9

Naphthalene

Concen: 0.021 ng

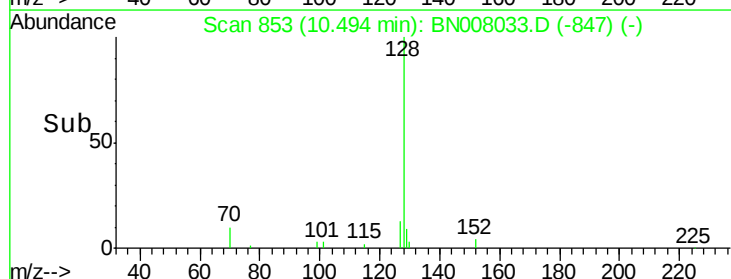
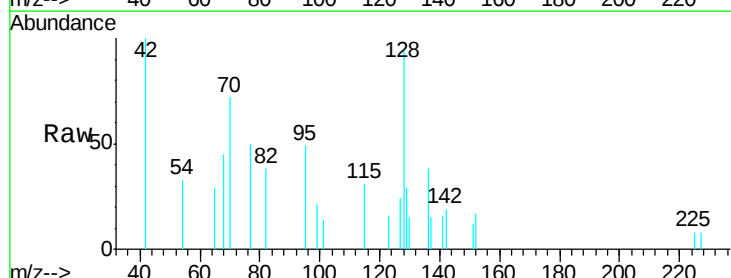
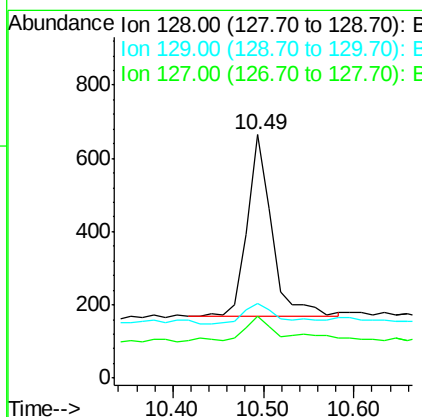
RT: 10.49 min Scan# 853

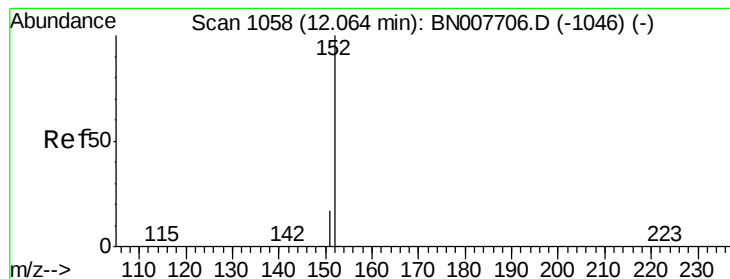
Delta R.T. -0.03 min

Lab File: BN008033.D

Acq: 05 Oct 2019 19:26

Tgt Ion:	128	Resp:	942
Ion Ratio	Lower	Upper	
128	100		
129	30.8	9.1	13.7#
127	25.3	10.6	15.8#





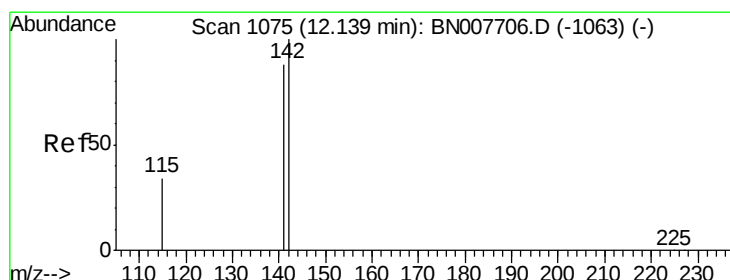
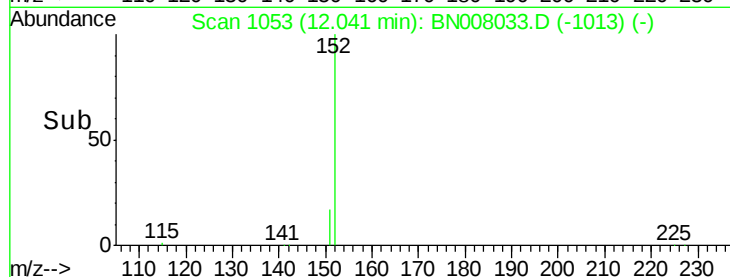
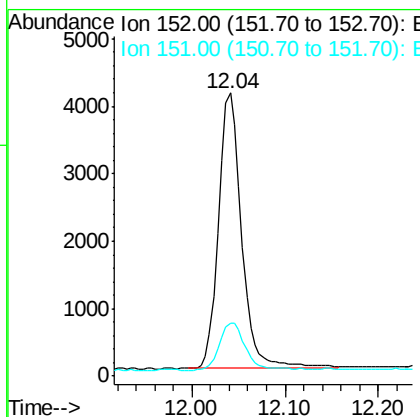
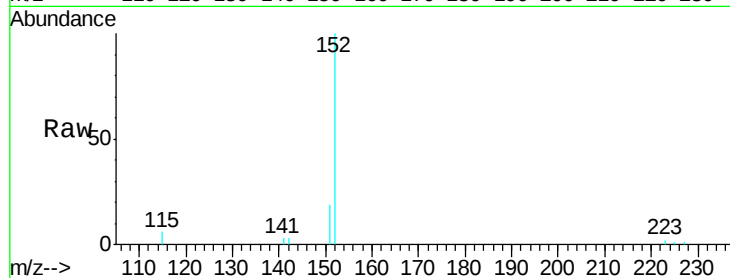
#11
2-Methylnaphthalene-d10
Concen: 0.263 ng
RT: 12.04 min Scan# 1053
Delta R.T. -0.02 min
Lab File: BN008033.D
Acq: 05 Oct 2019 19:26

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW071-092619

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2

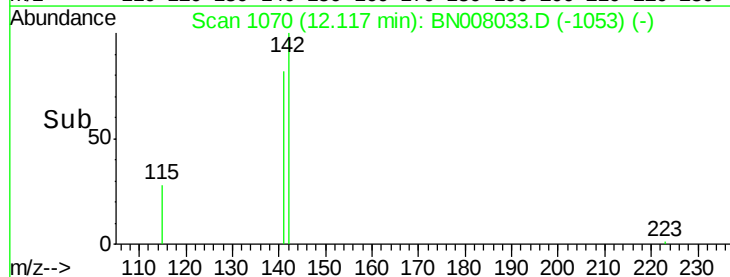
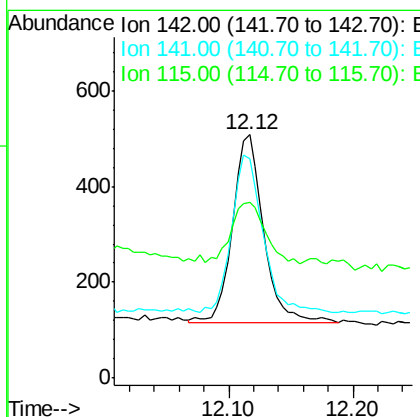
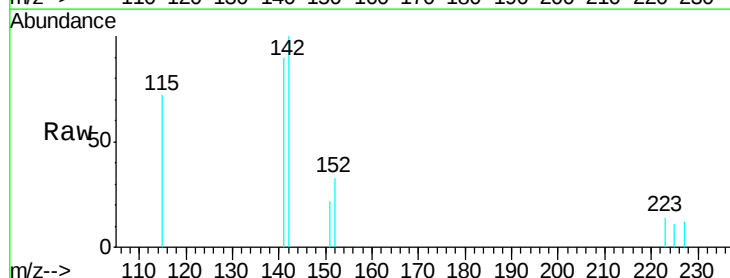
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#12
2-Methylnaphthalene
Concen: 0.023 ng
RT: 12.12 min Scan# 1070
Delta R.T. -0.02 min
Lab File: BN008033.D
Acq: 05 Oct 2019 19:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.6	106.0
115	72.4	28.3	42.5#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BN008033.D

Acq: 05 Oct 2019 19:26

Instrument :

BNA_N

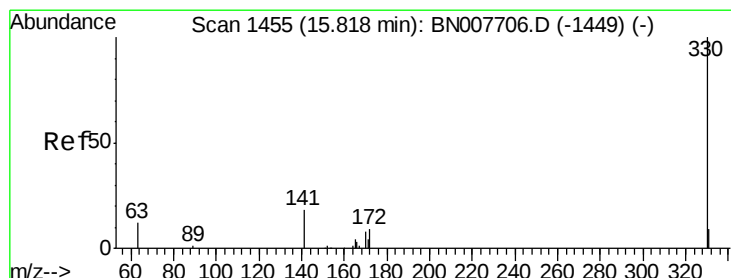
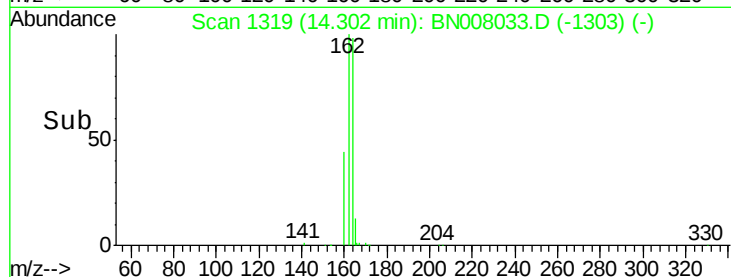
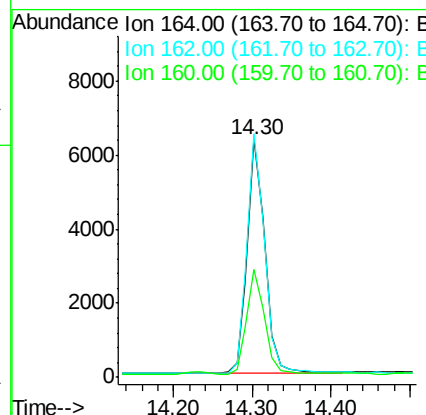
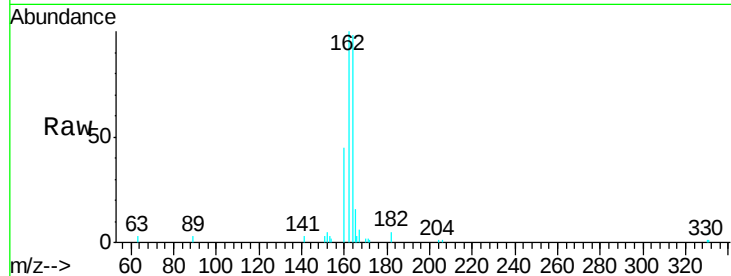
ClientSampleId :

EXT-024-SW071-092619

Tgt Ion:	164	Resp:	10035
Ion Ratio	Lower	Upper	
164	100		
162	102.2	81.7	122.5
160	45.5	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.259 ng

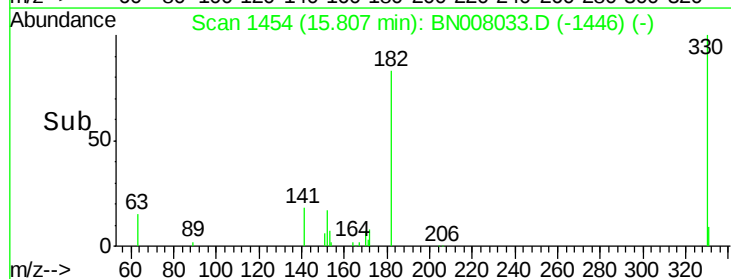
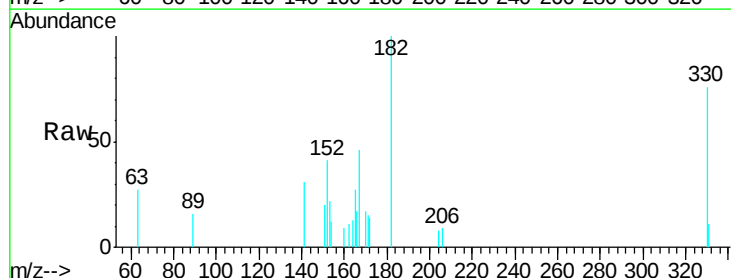
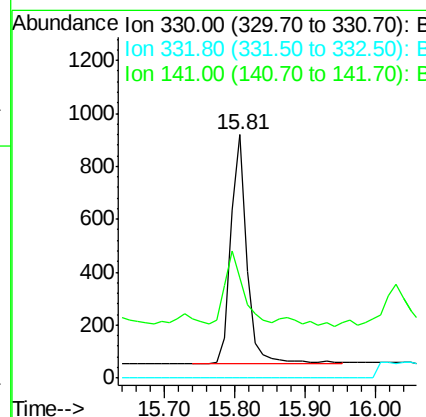
RT: 15.81 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BN008033.D

Acq: 05 Oct 2019 19:26

Tgt Ion:	330	Resp:	1414
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	36.8	28.7	43.1





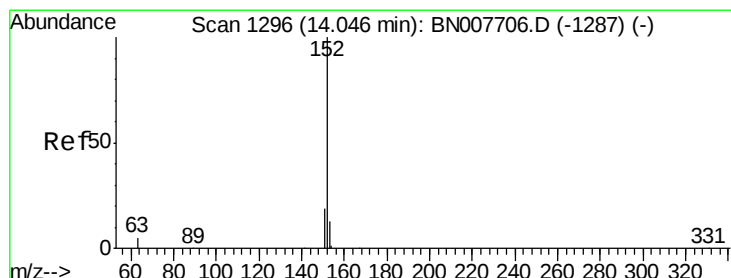
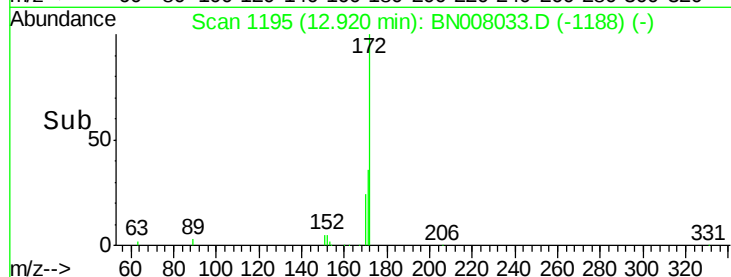
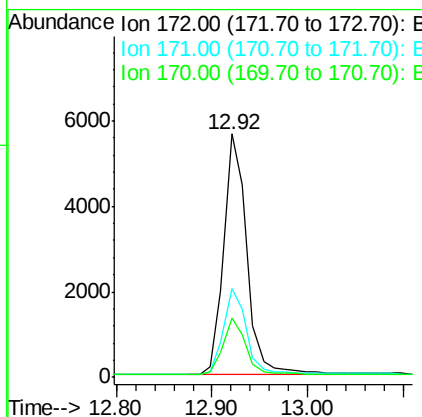
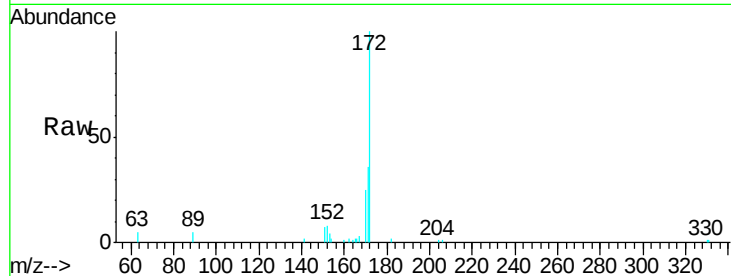
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2-Fluorobiphenyl
Concen: 0.231 ng
RT: 12.92 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN008033.D
Acq: 05 Oct 2019 19:26

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW071-092619

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.8	43.2
170	24.6	19.5	29.3

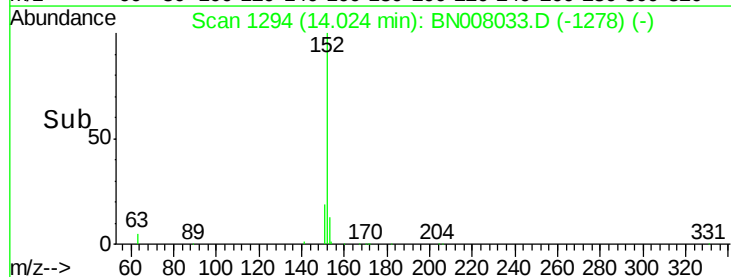
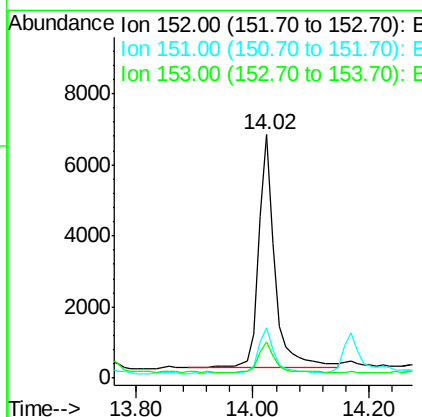
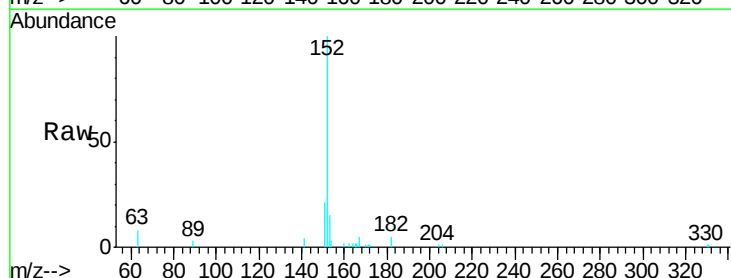
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#16
Acenaphthylene
Concen: 0.238 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN008033.D
Acq: 05 Oct 2019 19:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3
153	12.5	10.4	15.6





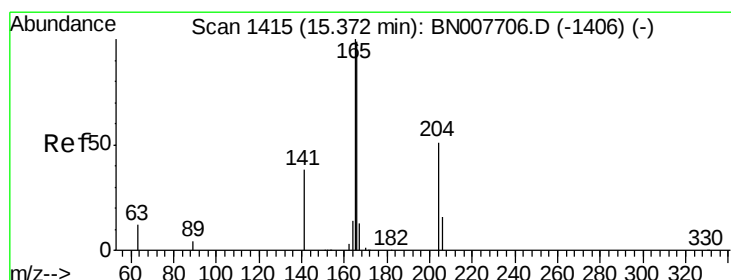
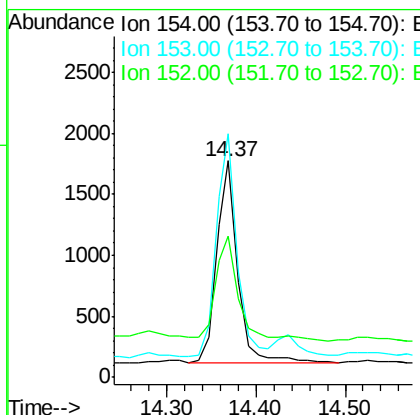
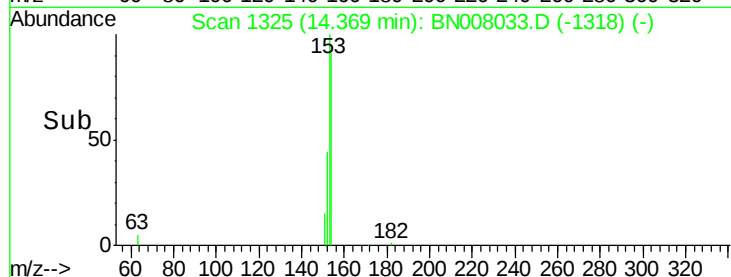
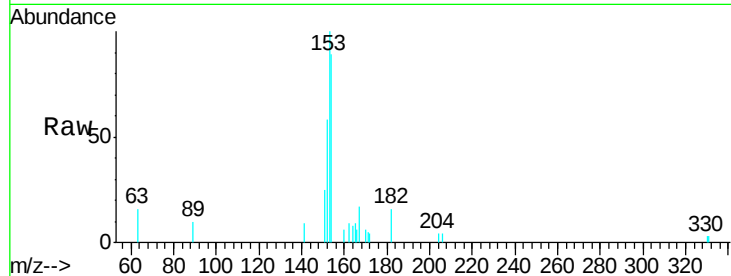
#17
Acenaphthene
Concen: 0.079 ng
RT: 14.37 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN008033.D
Acq: 05 Oct 2019 19:26

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW071-092619

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.3	87.0	130.4
152	50.0	42.7	64.1

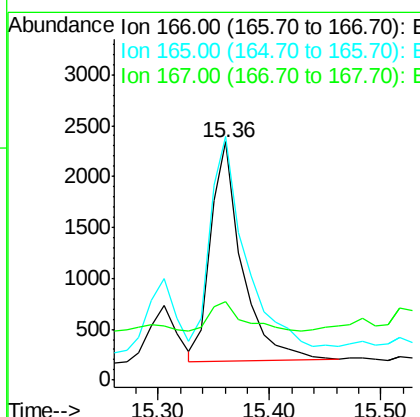
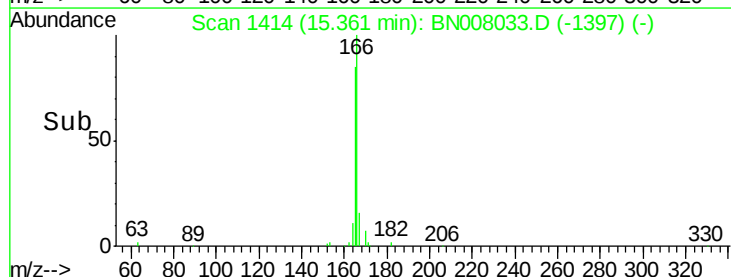
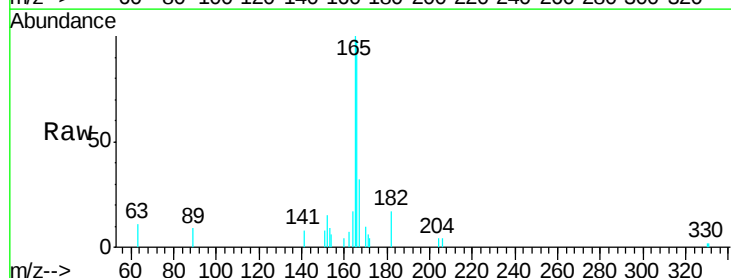
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#18
Fluorene
Concen: 0.095 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN008033.D
Acq: 05 Oct 2019 19:26

Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.3	78.0	117.0
167	15.0	10.9	16.3





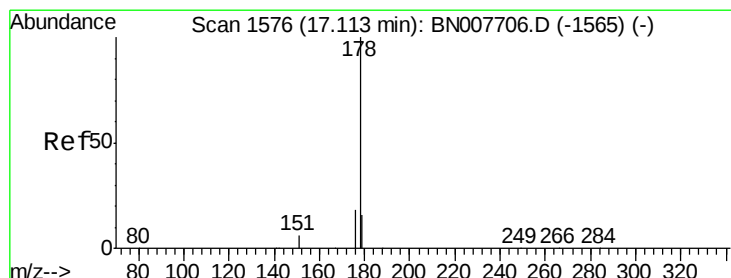
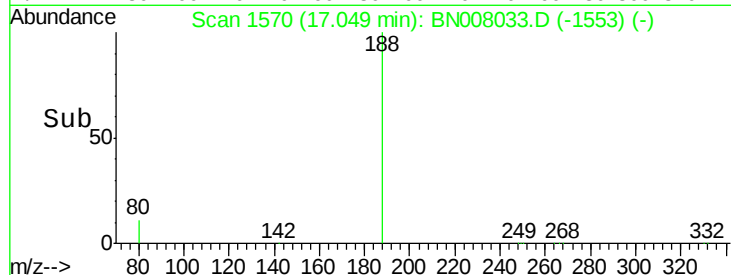
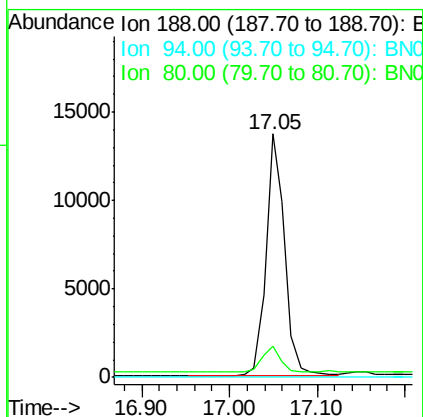
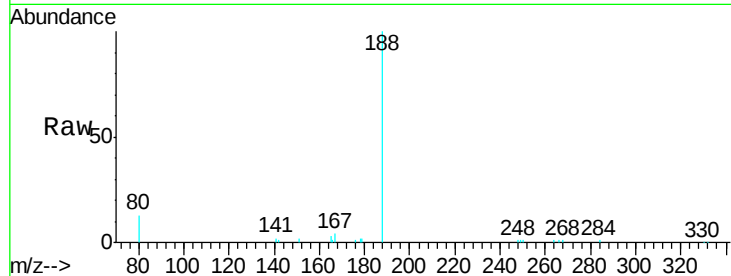
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BN008033.D
Acq: 05 Oct 2019 19:26

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW071-092619

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	12.6	7.4	11.2

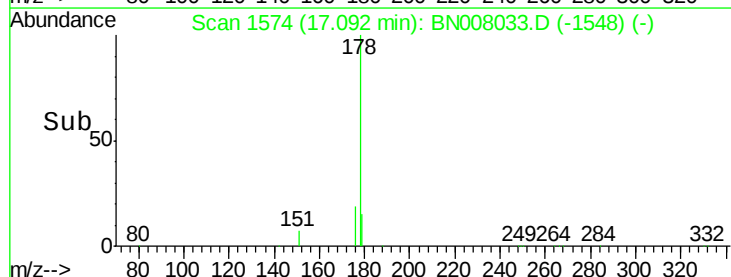
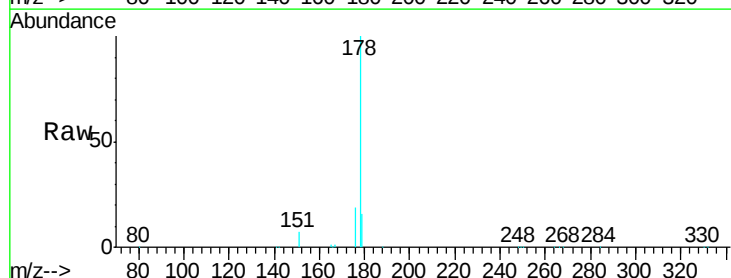
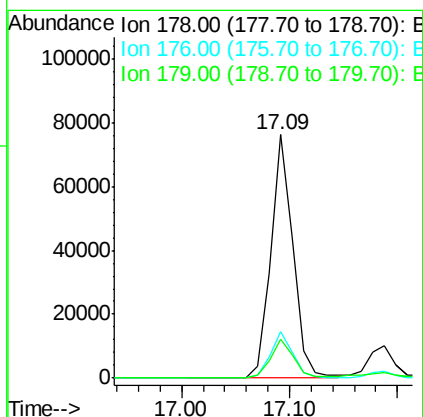
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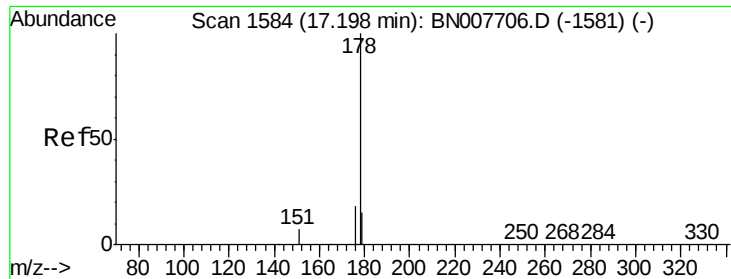
mohammad
10/7/2019 4:39:57 PM



#23
Phenanthrene
Concen: 1.705 ng
RT: 17.09 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BN008033.D
Acq: 05 Oct 2019 19:26

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





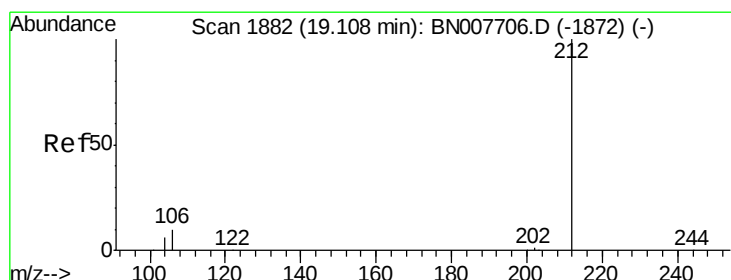
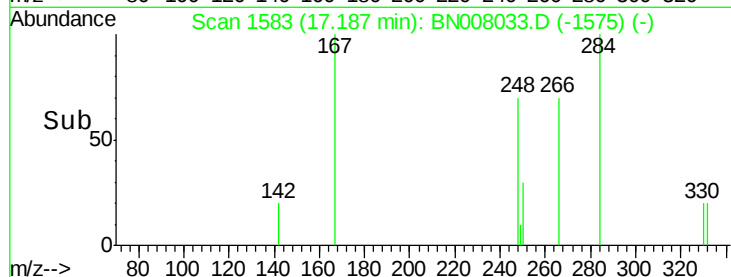
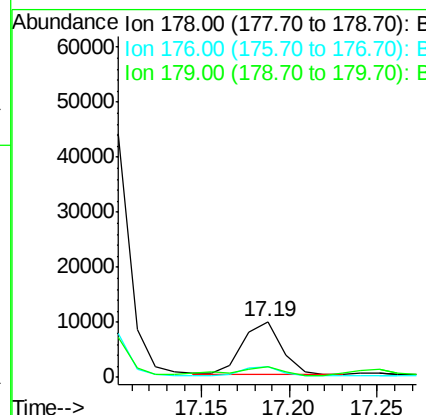
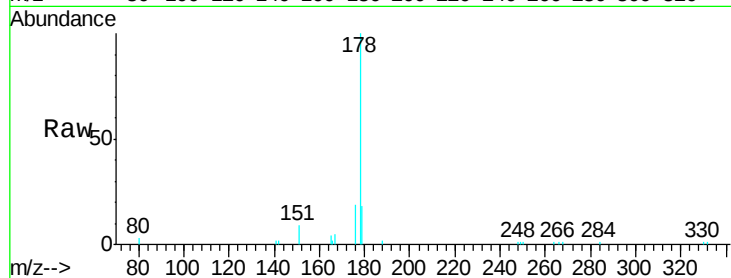
#24
 Anthracene
 Concen: 0.260 ng
 RT: 17.19 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BN008033.D
 Acq: 05 Oct 2019 19:26

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW071-092619

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	19.2	12.2	18.4

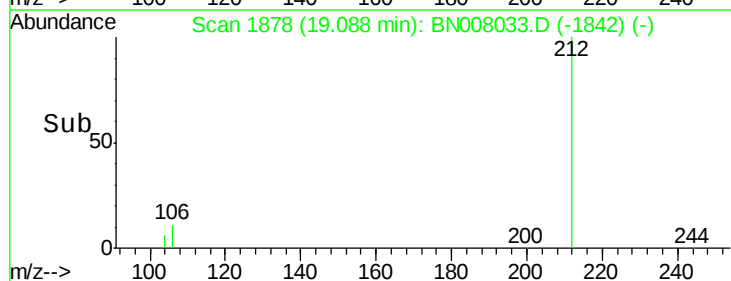
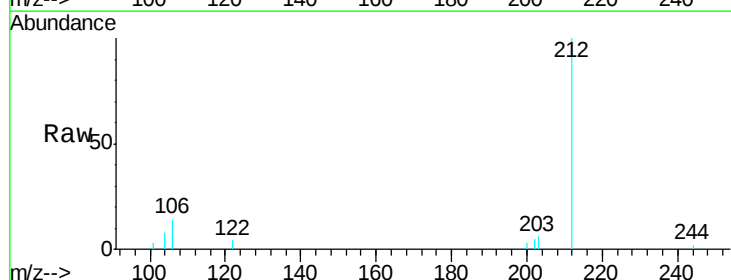
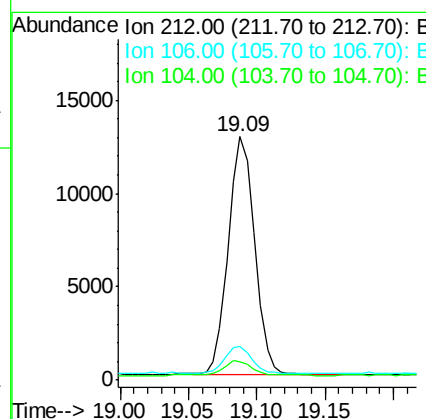
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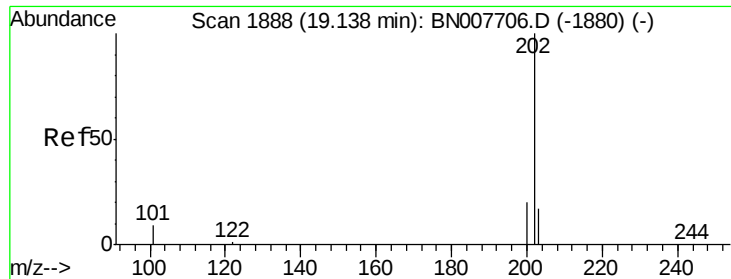
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#25
 Fluoranthene-d10
 Concen: 0.253 ng
 RT: 19.09 min Scan# 1878
 Delta R.T. -0.02 min
 Lab File: BN008033.D
 Acq: 05 Oct 2019 19:26

Tgt Ion	Ratio	Lower	Upper
212	100		
106	11.4	9.4	14.0
104	7.2	5.3	7.9





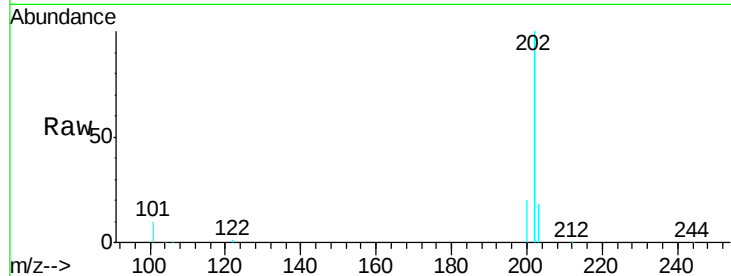
#26
Fluoranthene
Concen: 3.368 ng
RT: 19.12 min Scan# 1884
Delta R.T. -0.02 min
Lab File: BN008033.D
Acq: 05 Oct 2019 19:26

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW071-092619

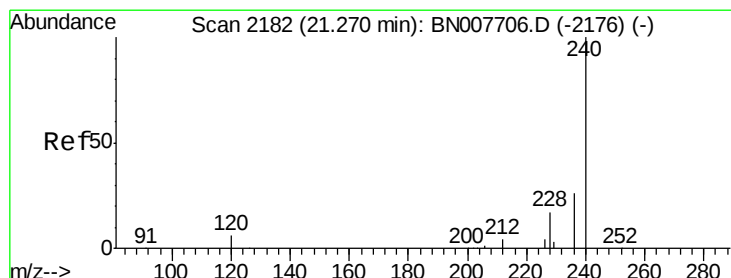
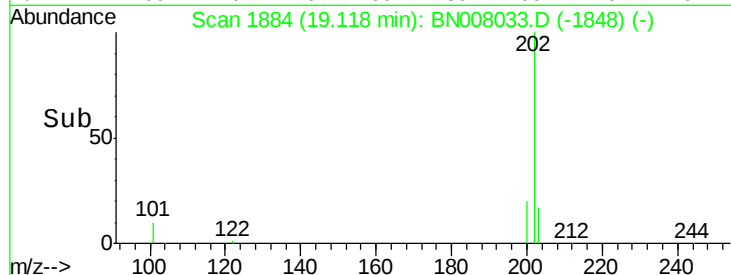
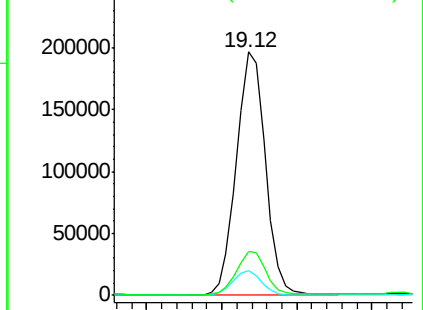
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		262351		
101	10.0	8.4	12.6		
203	17.5	13.8	20.8		

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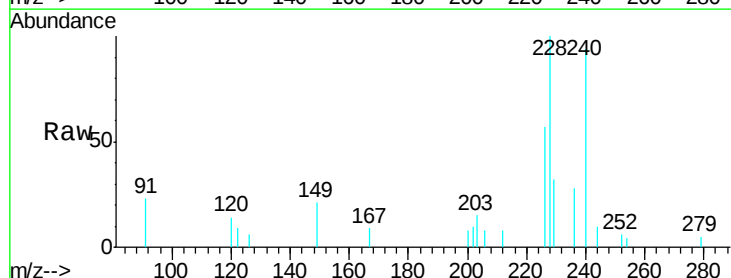


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

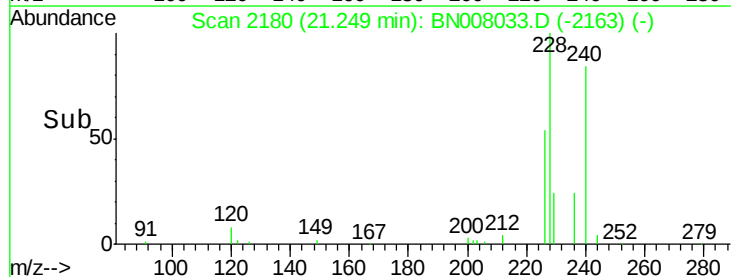
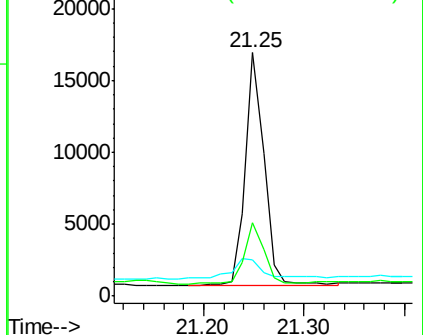


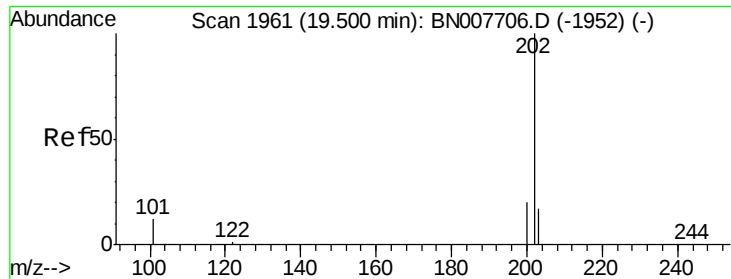
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2180
Delta R.T. -0.02 min
Lab File: BN008033.D
Acq: 05 Oct 2019 19:26

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		21110		
120	15.1	5.4	8.2#		
236	30.0	21.0	31.4		



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





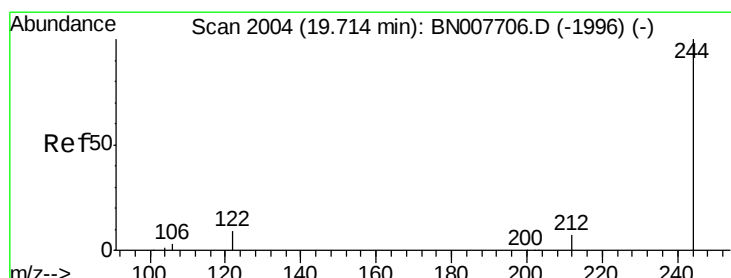
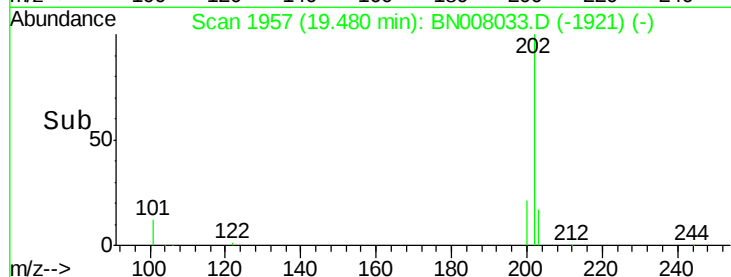
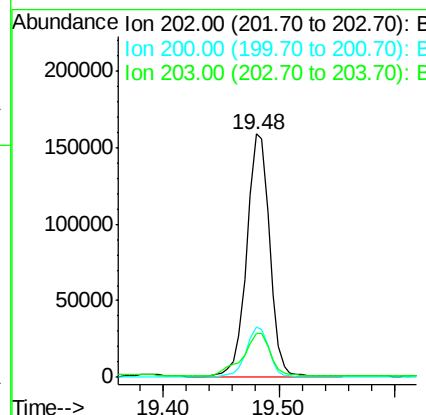
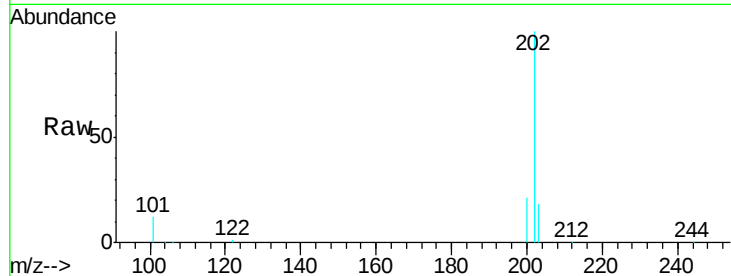
#28
 Pyrene
 Concen: 3.040 ng
 RT: 19.48 min Scan# 1957
 Delta R.T. -0.02 min
 Lab File: BN008033.D
 Acq: 05 Oct 2019 19:26

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW071-092619

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.5	16.4	24.6
203	21.1	14.1	21.1

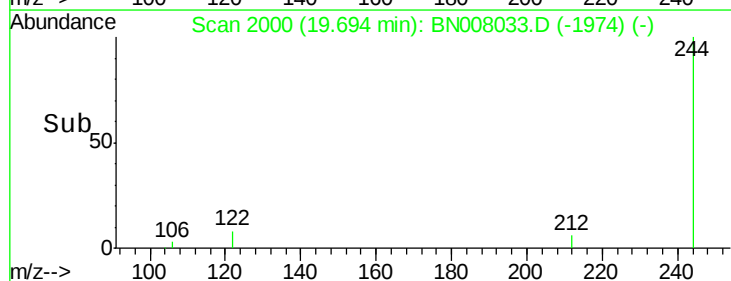
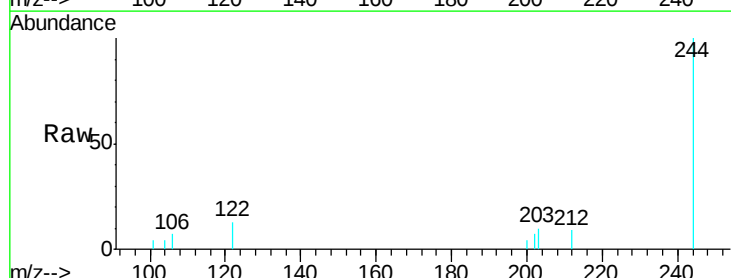
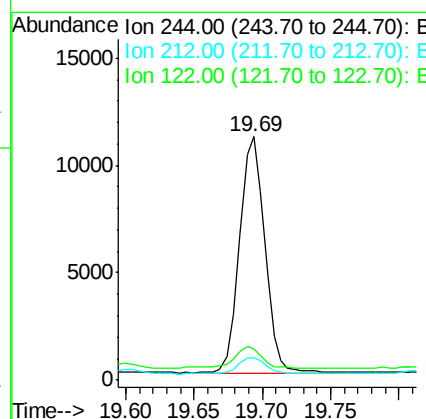
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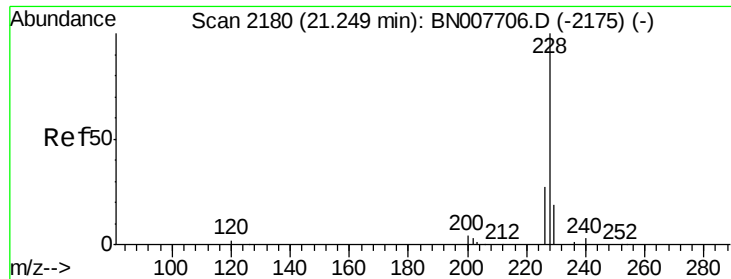
mohammad
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#29
 Terphenyl-d14
 Concen: 0.272 ng
 RT: 19.69 min Scan# 2000
 Delta R.T. -0.02 min
 Lab File: BN008033.D
 Acq: 05 Oct 2019 19:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.2	5.9	8.9#
122	12.8	7.4	11.2#





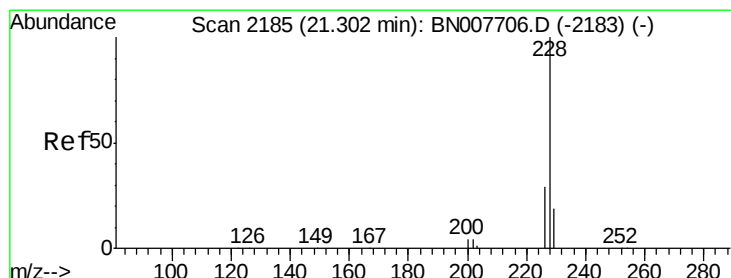
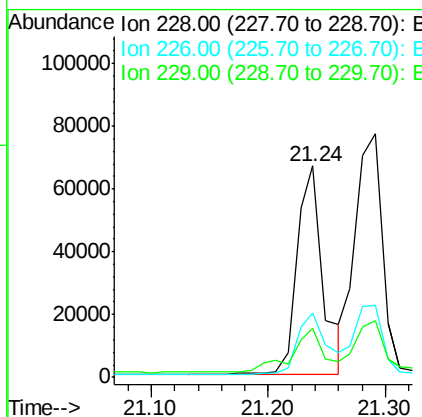
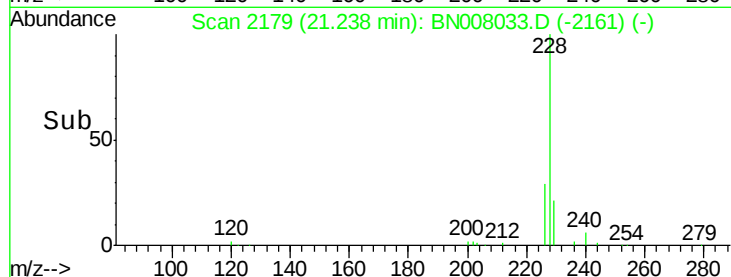
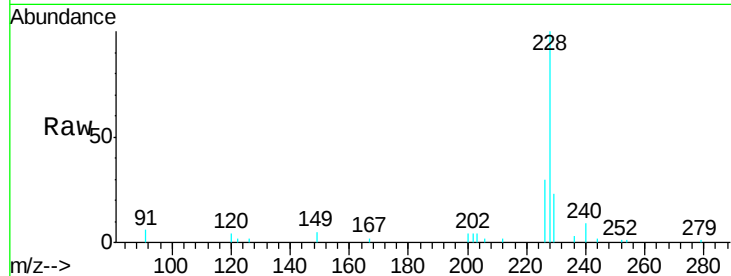
#30
Benzo(a)anthracene
Concen: 1.326 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN008033.D
Acq: 05 Oct 2019 19:26

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW071-092619

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.1	33.1
229	23.1	15.8	23.6

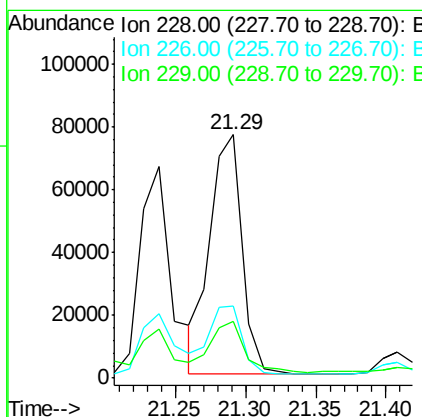
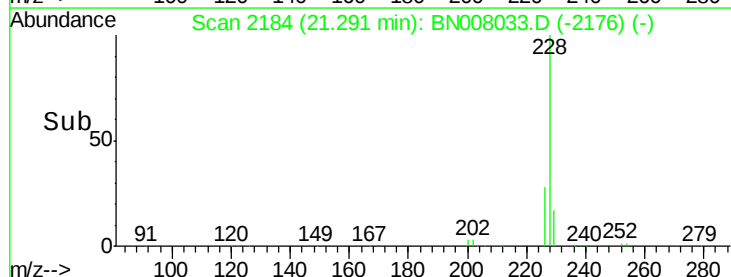
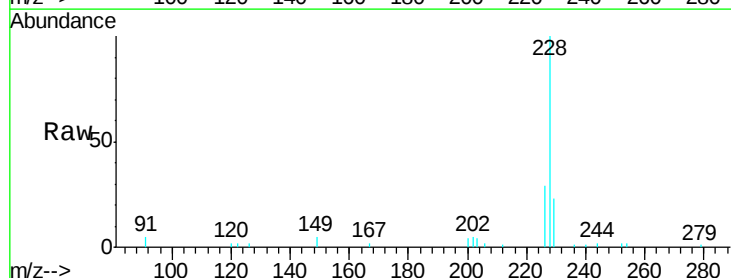
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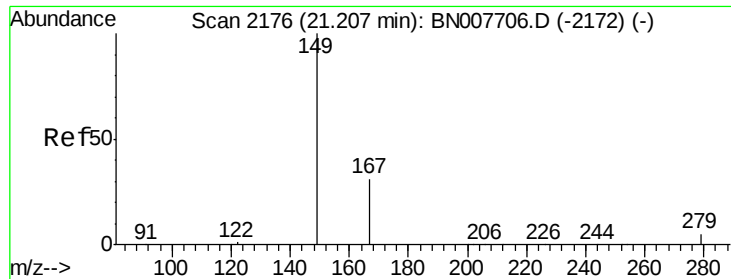
mohammad
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#31
Chrysene
Concen: 1.605 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN008033.D
Acq: 05 Oct 2019 19:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.9	35.9
229	23.4	15.8	23.6





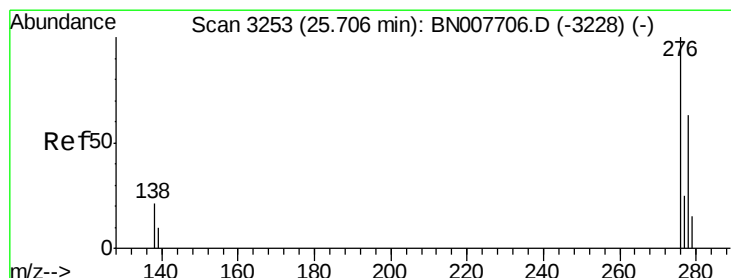
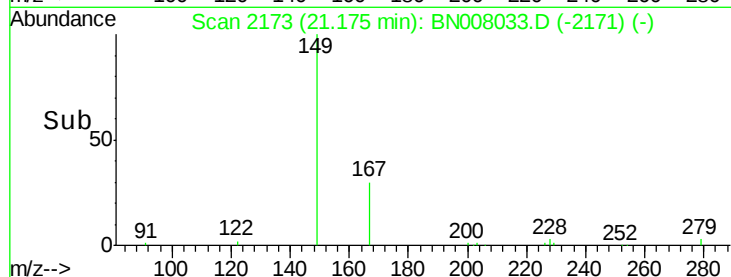
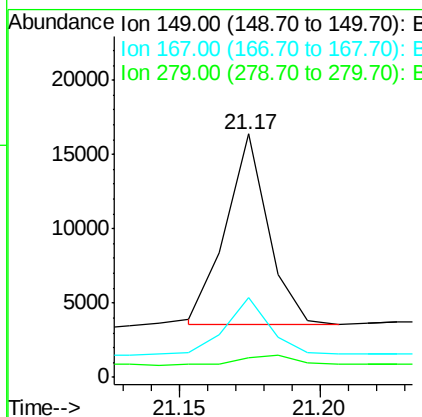
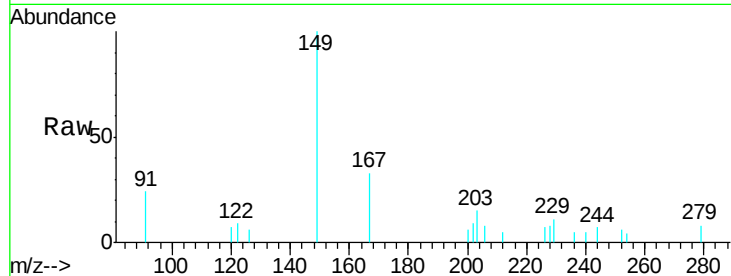
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.341 ng
 RT: 21.17 min Scan# 2173
 Delta R.T. -0.03 min
 Lab File: BN008033.D
 Acq: 05 Oct 2019 19:26

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW071-092619

Tgt Ion:	149	Resp:	13621
Ion Ratio	Lower	Upper	
149	100		
167	29.9	23.7	35.5
279	5.8	4.2	6.2

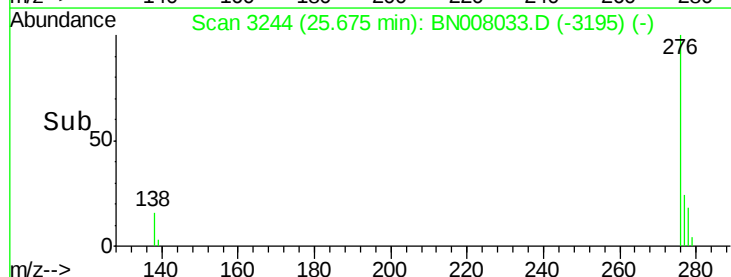
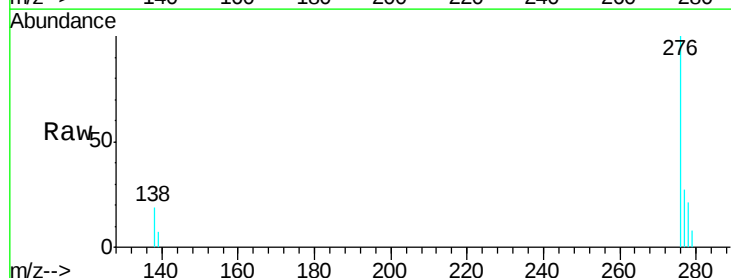
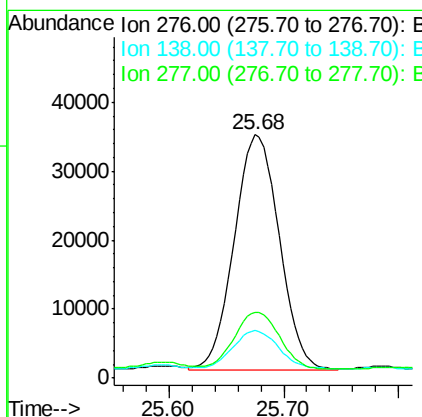
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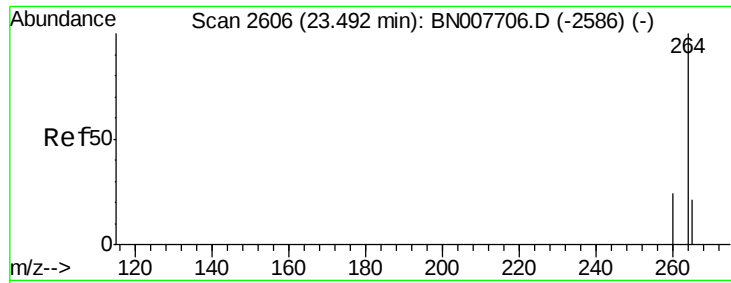
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.979 ng
 RT: 25.68 min Scan# 3244
 Delta R.T. -0.03 min
 Lab File: BN008033.D
 Acq: 05 Oct 2019 19:26

Tgt Ion:	276	Resp:	92888
Ion Ratio	Lower	Upper	
276	100		
138	16.6	17.1	25.7#
277	24.5	20.0	30.0





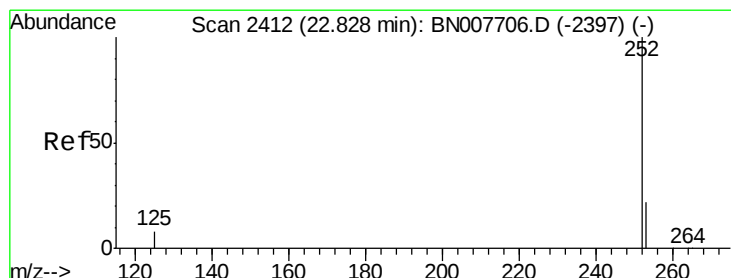
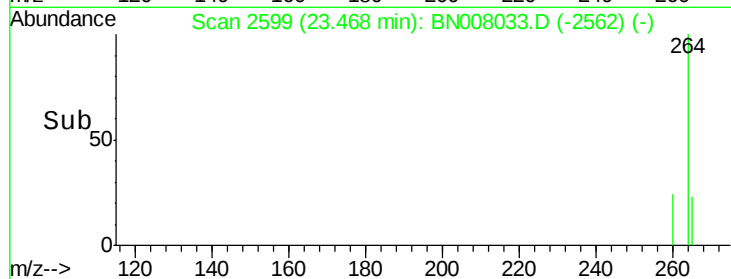
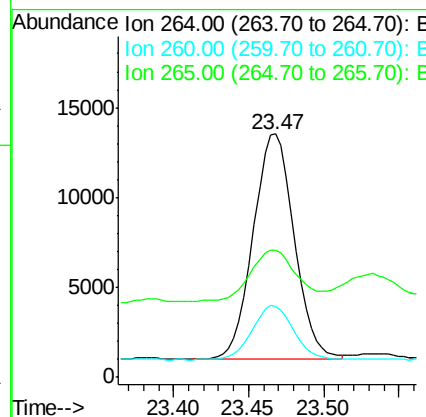
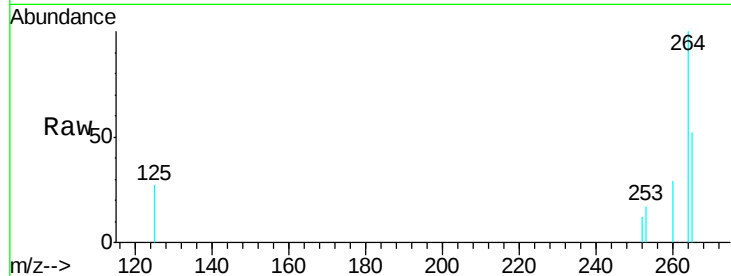
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2599
 Delta R.T. -0.02 min
 Lab File: BN008033.D
 Acq: 05 Oct 2019 19:26

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW071-092619

Tgt Ion	Ratio	Lower	Upper
264	100		
260	29.3	19.3	28.9#
265	52.0	26.9	40.3#

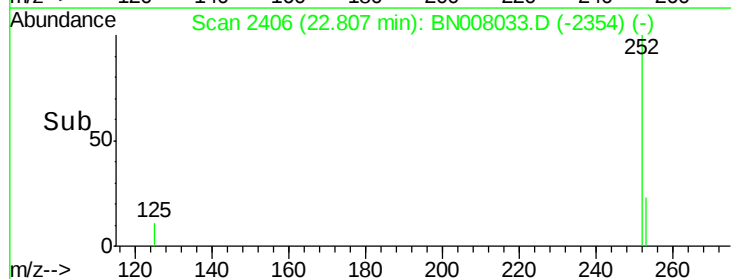
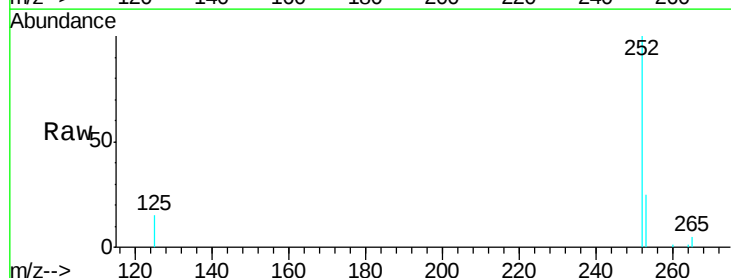
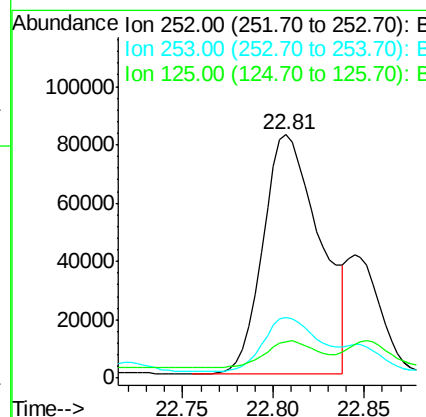
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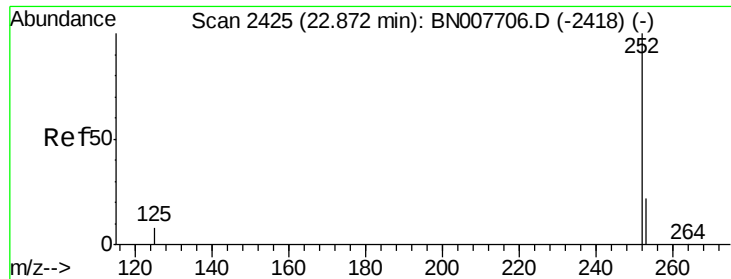
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 2.183 ng
 RT: 22.81 min Scan# 2406
 Delta R.T. -0.02 min
 Lab File: BN008033.D
 Acq: 05 Oct 2019 19:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.3	27.5
125	14.9	8.2	12.4#





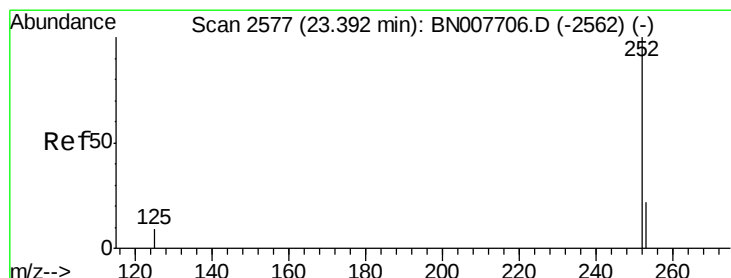
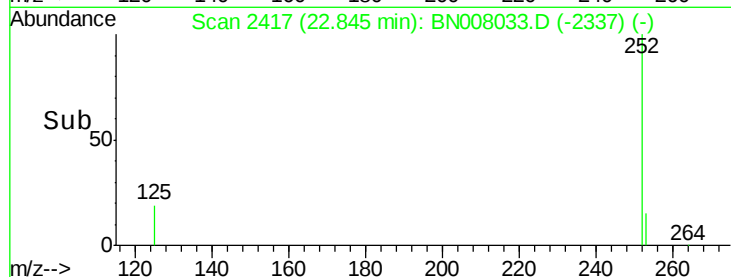
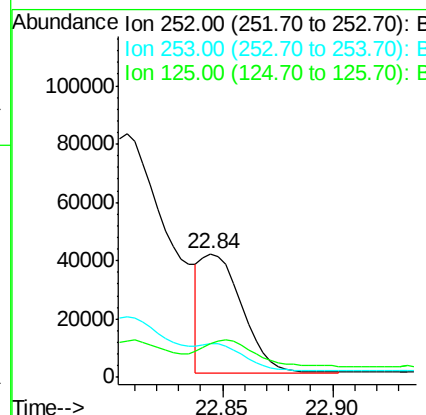
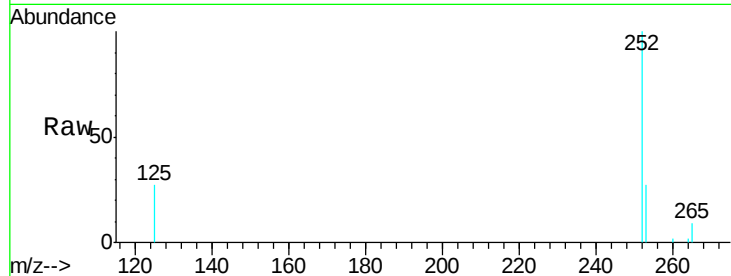
#36
Benzo(k)fluoranthene
Concen: 0.662 ng m
RT: 22.84 min Scan# 2417
Delta R.T. -0.03 min
Lab File: BN008033.D
Acq: 05 Oct 2019 19:26

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW071-092619

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.5	27.7
125	27.2	8.4	12.6

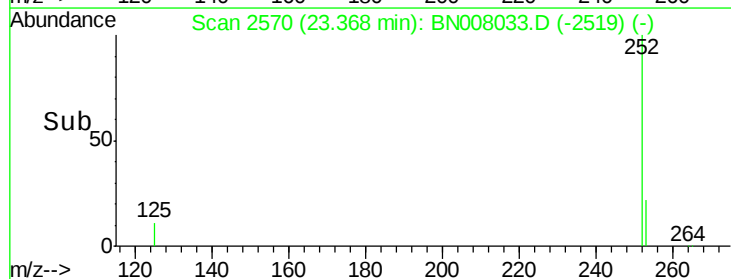
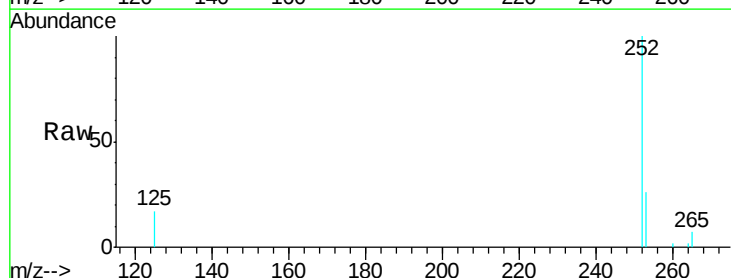
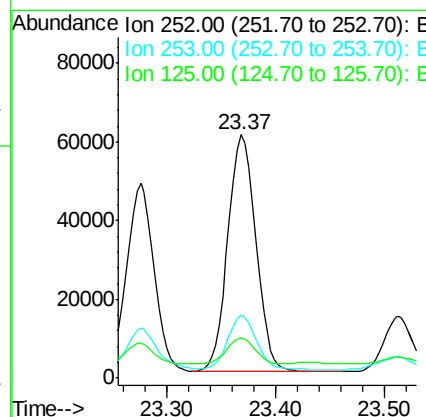
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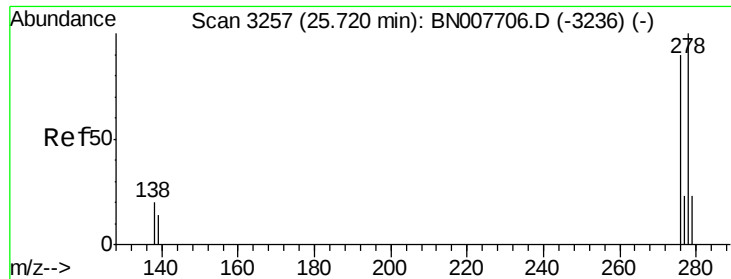
mohammad
10/7/2019 4:39:57 PM



#37
Benzo(a)pyrene
Concen: 1.405 ng
RT: 23.37 min Scan# 2570
Delta R.T. -0.02 min
Lab File: BN008033.D
Acq: 05 Oct 2019 19:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.6	27.8
125	16.7	9.4	14.0





#38

Dibenzo(a,h)anthracene

Concen: 0.264 ng

RT: 25.68 min Scan# 3245

Delta R.T. -0.04 min

Lab File: BN008033.D

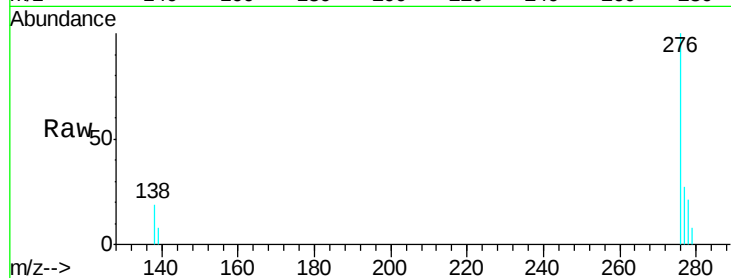
Acq: 05 Oct 2019 19:26

Instrument :

BNA_N

ClientSampleId :

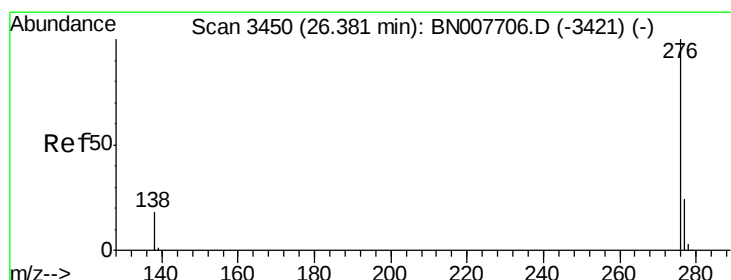
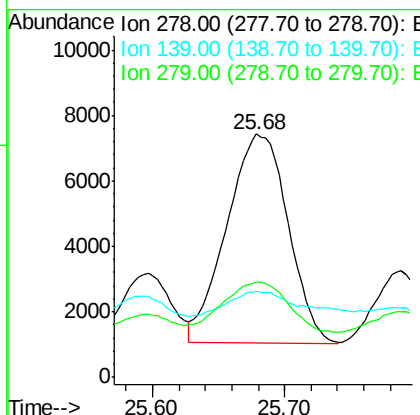
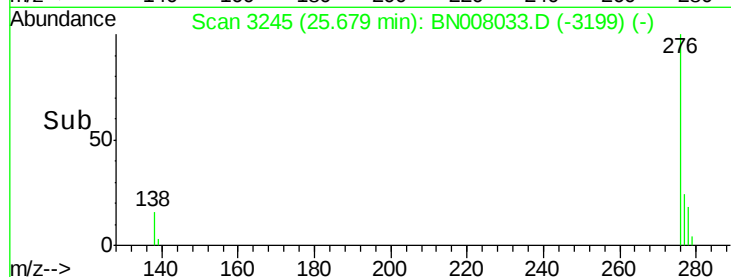
EXT-024-SW071-092619



Tgt Ion:	278	Resp:	20704
Ion Ratio	Lower	Upper	
278	100		
139	35.4	11.8	17.6#
279	38.8	19.4	29.2#

Manual Integrations
APPROVED

mohammad
10/7/2019 4:39:57 PM



#39

Benzo(g,h,i)perylene

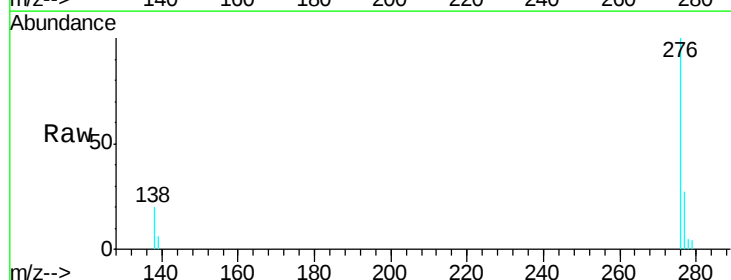
Concen: 1.201 ng

RT: 26.35 min Scan# 3442

Delta R.T. -0.03 min

Lab File: BN008033.D

Acq: 05 Oct 2019 19:26



Tgt Ion:	276	Resp:	93253
Ion Ratio	Lower	Upper	
276	100		
277	26.8	19.8	29.8
138	20.3	15.1	22.7

