

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
 Data File : BN008039.D
 Acq On : 05 Oct 2019 23:01
 Operator : JU
 Sample : K5077-19DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B269-092519DL

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Quant Time: Oct 07 14:43:21 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	3896	0.40	ng	-0.02
7) Naphthalene-d8	10.44	136	15519	0.40	ng	-0.03
13) Acenaphthene-d10	14.31	164	9833	0.40	ng	-0.02
19) Phenanthrene-d10	17.06	188	20162	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	20994	0.40	ng	-0.02
34) Perylene-d12	23.46	264	23910	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.30	112	485	0.04	ng	-0.02
5) Phenol-d6	6.87	99	582	0.03	ng	0.00
8) Nitrobenzene-d5	8.82	82	425	0.03	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	921	0.04	ng	-0.02
14) 2,4,6-Tribromophenol	15.80	330	214	0.04	ng	-0.02
15) 2-Fluorobiphenyl	12.93	172	1308	0.03	ng	-0.02
25) Fluoranthene-d10	19.09	212	2572	0.04	ng	-0.02
29) Terphenyl-d14	19.69	244	2238	0.04	ng	-0.02

Target Compounds

						Qvalue
16) Acenaphthylene	14.02	152	15054	0.289	ng	99
17) Acenaphthene	14.37	154	5676	0.169	ng	99
18) Fluorene	15.36	166	7487	0.174	ng	95
23) Phenanthrene	17.09	178	245389	3.907	ng	100
24) Anthracene	17.18	178	24045	0.424	ng	# 96
26) Fluoranthene	19.12	202	526027	6.735	ng	99
28) Pyrene	19.48	202	420622	5.874	ng	96
30) Benzo(a)anthracene	21.23	228	157926	2.043	ng	98
31) Chrysene	21.28	228	218761	2.903	ng	98
32) Bis(2-ethylhexyl)phthalate	21.18	149	2579	0.065	ng	# 95
33) Indeno(1,2,3-cd)pyrene	25.67	276	174944	1.854	ng	# 95
35) Benzo(b)fluoranthene	22.81	252	325268	3.919	ng	99
36) Benzo(k)fluoranthene	22.84	252	98774m	1.203	ng	
37) Benzo(a)pyrene	23.37	252	189898	2.434	ng	100
38) Dibenzo(a,h)anthracene	25.68	278	37646	0.472	ng	# 85
39) Benzo(g,h,i)perylene	26.35	276	184477	2.336	ng	99

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

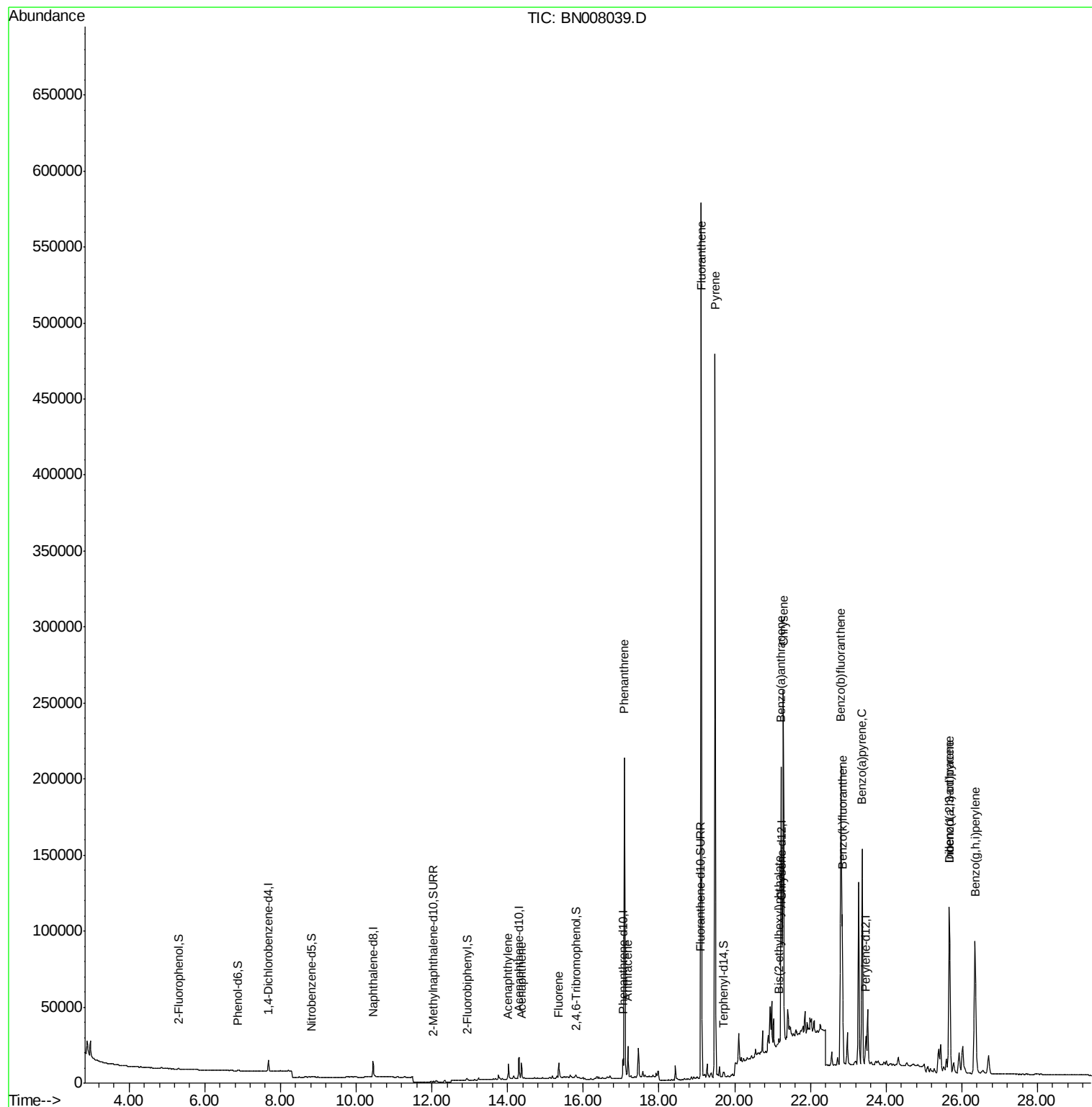
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
Data File : BN008039.D
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Quant Time: Oct 07 14:43:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

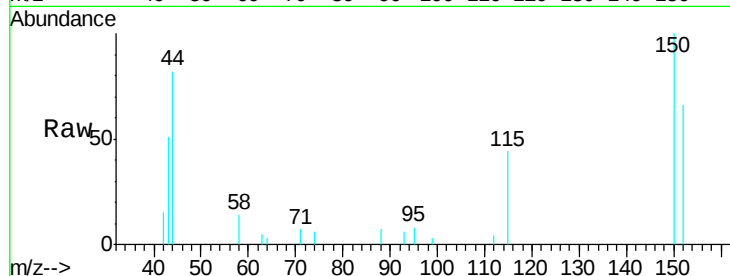
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 602
Delta R.T. -0.02 min
Lab File: BN008039.D
Acq: 05 Oct 2019 23:01

Instrument :
BNA_N
ClientSampleId :
PST-024-B269-092519DL

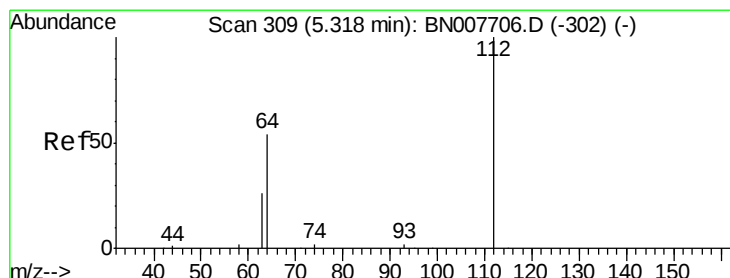
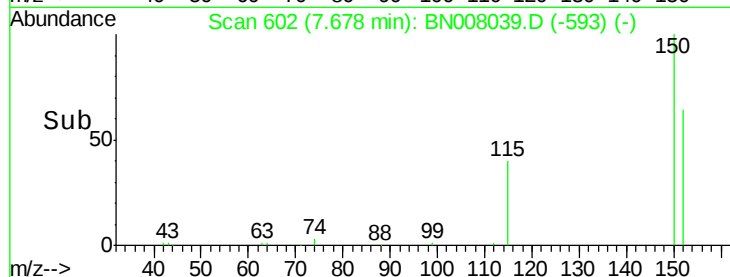
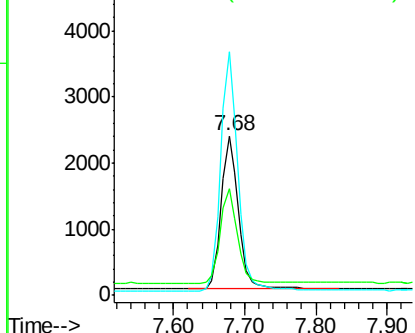
Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.6	125.6	188.4
115	67.2	53.3	79.9

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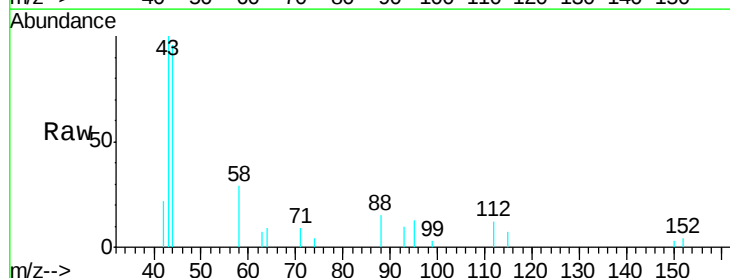
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



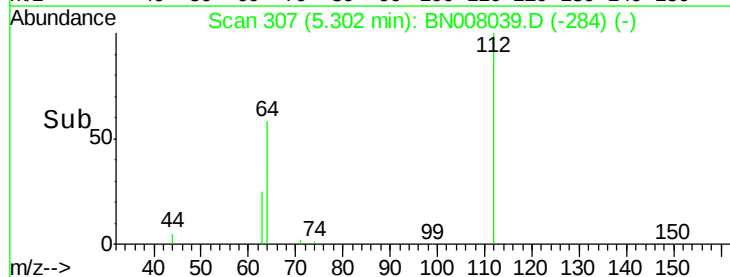
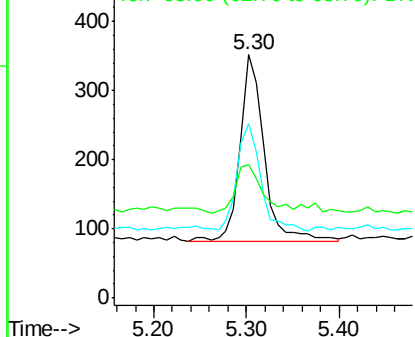
#4

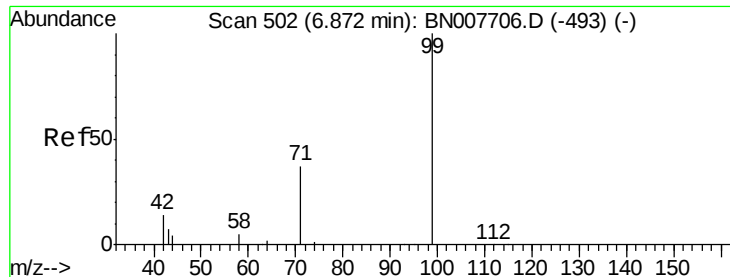
2-Fluorophenol
Concen: 0.036 ng
RT: 5.30 min Scan# 307
Delta R.T. -0.02 min
Lab File: BN008039.D
Acq: 05 Oct 2019 23:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	46.6	70.0
63	28.7	23.1	34.7



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





#5

Phenol-d6

Concen: 0.029 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN008039.D

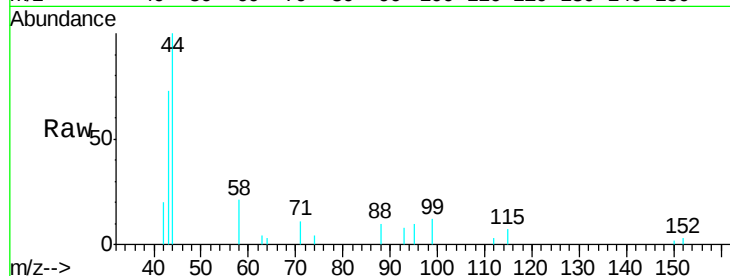
Acq: 05 Oct 2019 23:01

Instrument :

BNA_N

ClientSampleId :

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Tgt Ion: 99 Resp: 582

Ion Ratio Lower Upper

99 100

42 32.0 12.8 19.2#

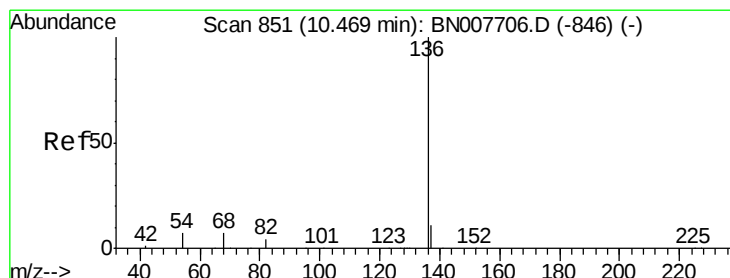
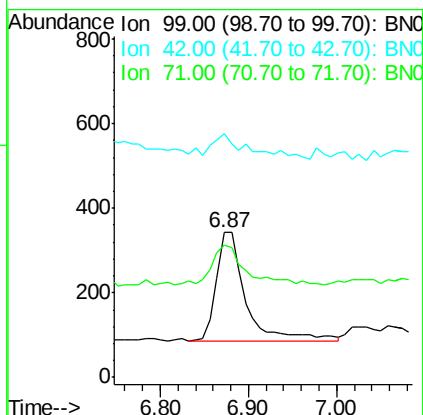
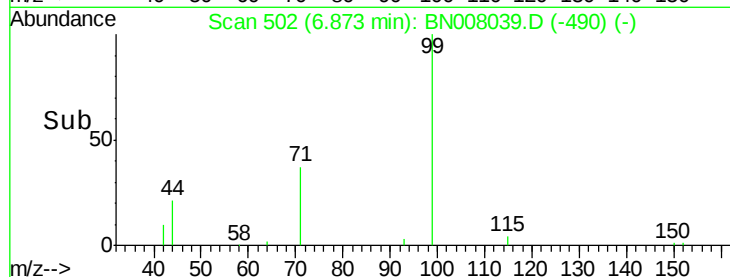
71 43.8 27.6 41.4#

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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: BN008039.D

Acq: 05 Oct 2019 23:01

Tgt Ion: 136 Resp: 15519

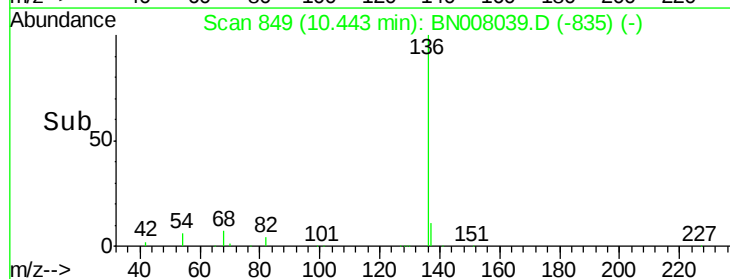
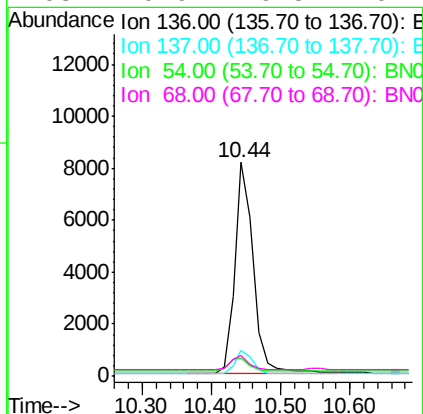
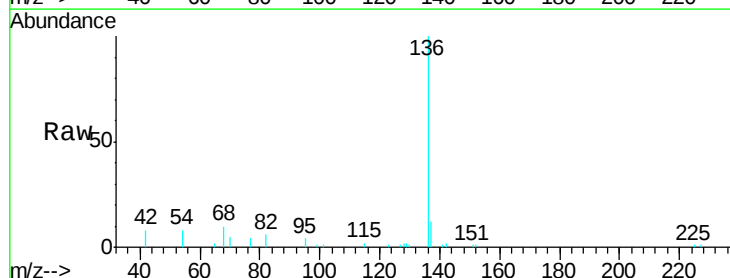
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 8.4 5.8 8.8

68 9.9 6.5 9.7#





#8

Nitrobenzene-d5

Concen: 0.031 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN008039.D

Acq: 05 Oct 2019 23:01

Instrument :

BNA_N

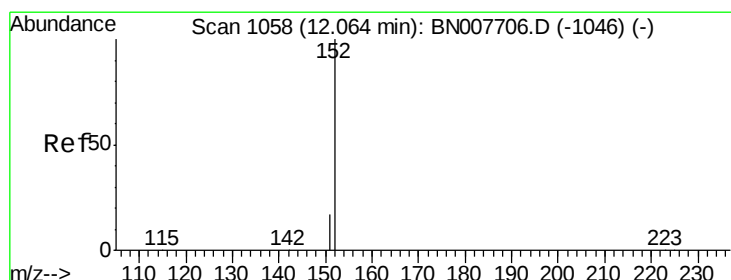
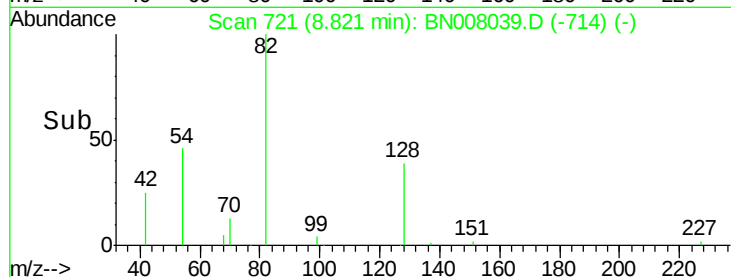
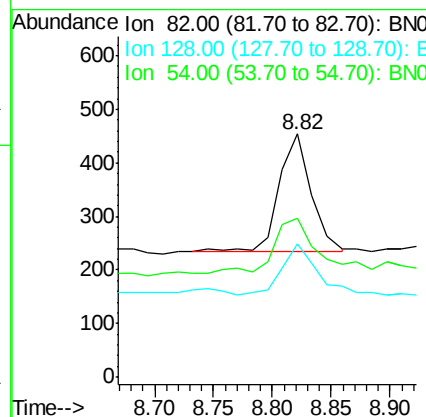
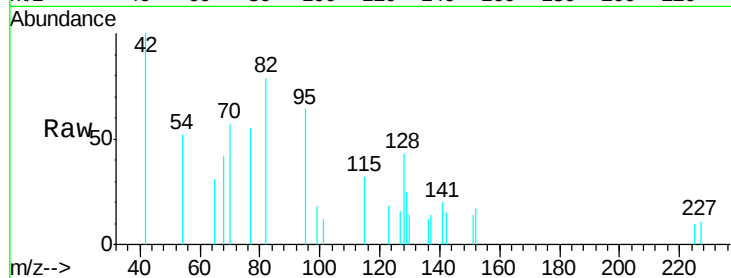
ClientSampleId :

PST-024-B269-092519DL

Tgt Ion:	82	Resp:	425
Ion Ratio	Lower	Upper	
82	100		
128	54.8	24.5	36.7#
54	65.4	35.2	52.8#

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#11

2-Methylnaphthalene-d10

Concen: 0.035 ng

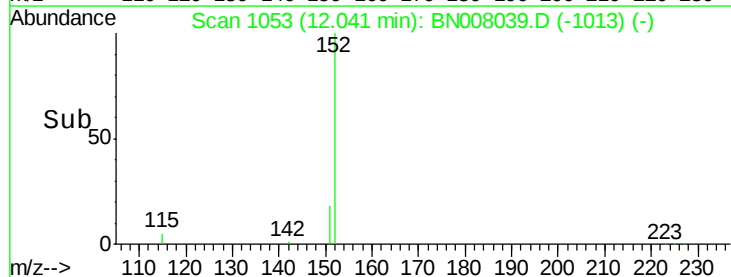
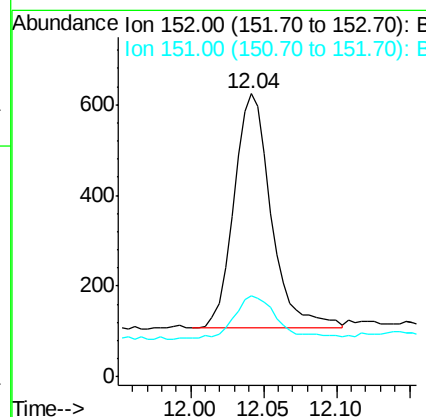
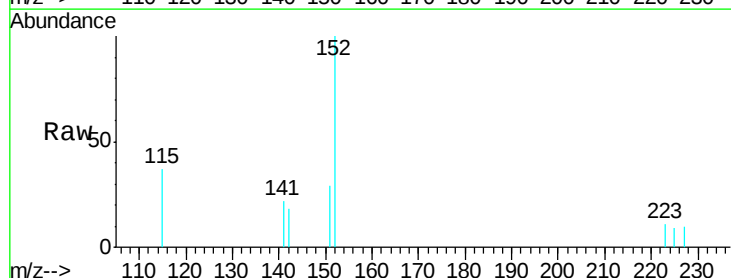
RT: 12.04 min Scan# 1053

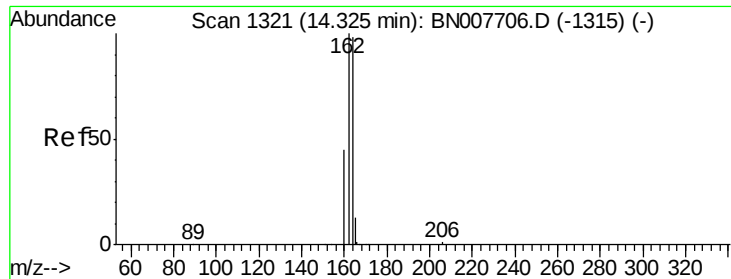
Delta R.T. -0.02 min

Lab File: BN008039.D

Acq: 05 Oct 2019 23:01

Tgt Ion:	152	Resp:	921
Ion Ratio	Lower	Upper	
152	100		
151	21.2	15.4	23.2





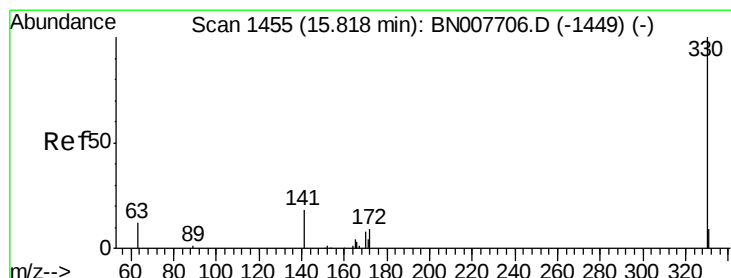
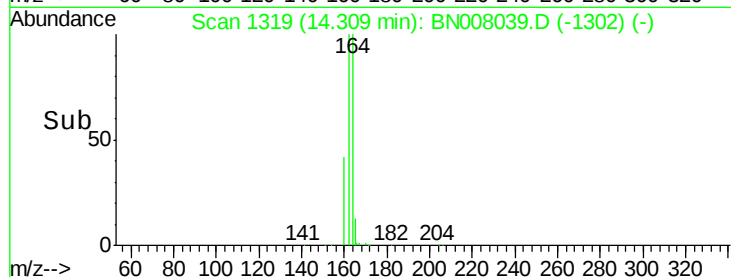
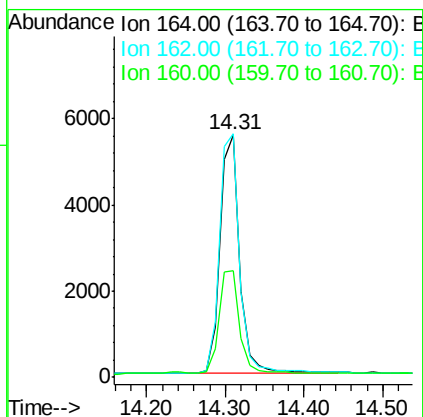
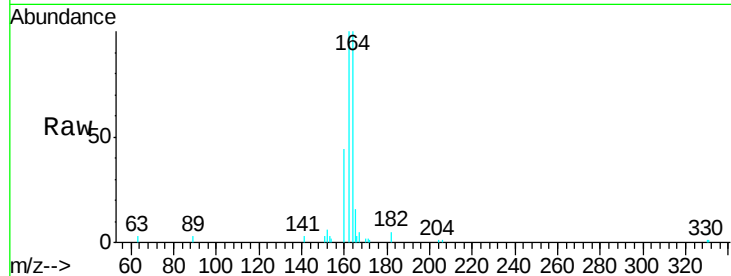
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BN008039.D
Acq: 05 Oct 2019 23:01

Instrument :
BNA_N
ClientSampleId :
PST-024-B269-092519DL

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.7	122.5
160	43.7	37.0	55.4

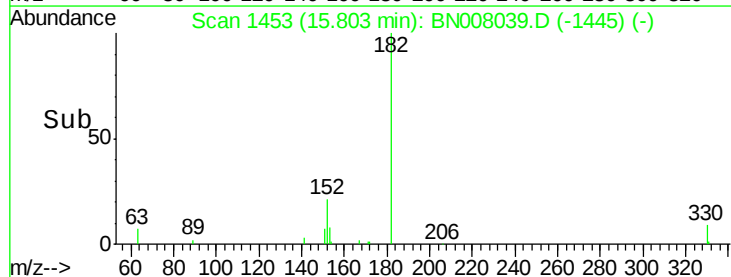
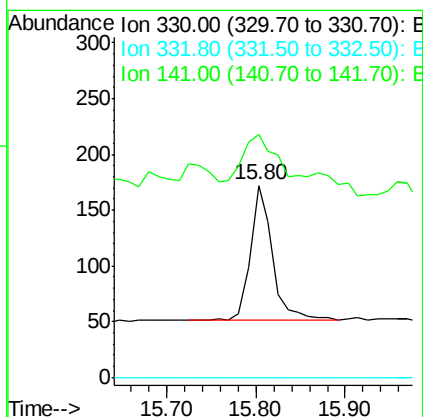
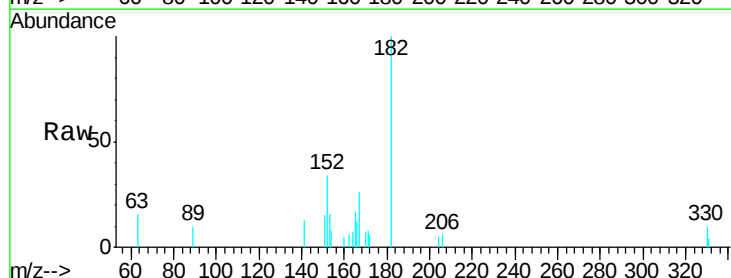
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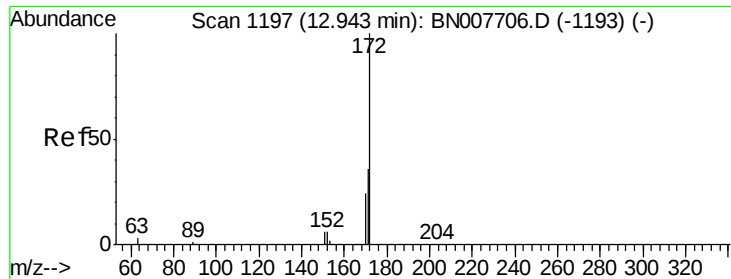
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#14
2,4,6-Tribromophenol
Concen: 0.040 ng
RT: 15.80 min Scan# 1453
Delta R.T. -0.02 min
Lab File: BN008039.D
Acq: 05 Oct 2019 23:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	50.5	28.7	43.1#





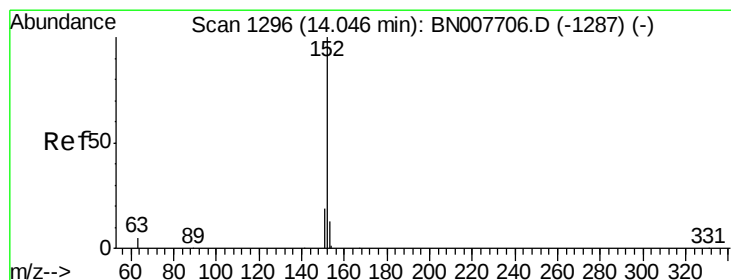
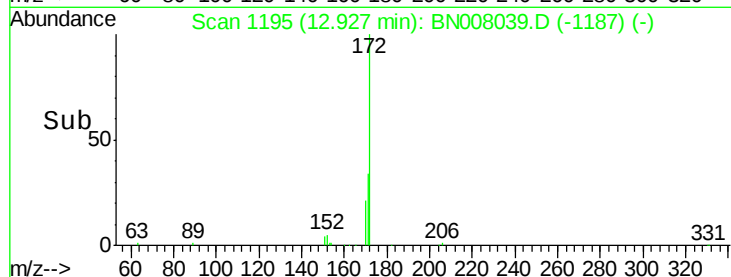
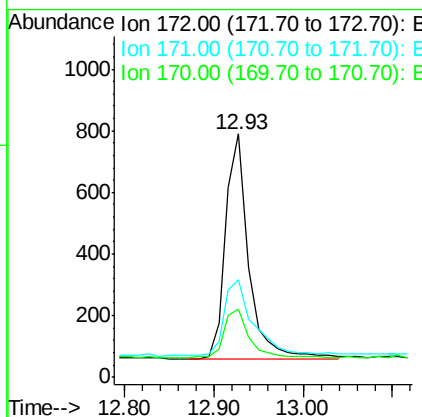
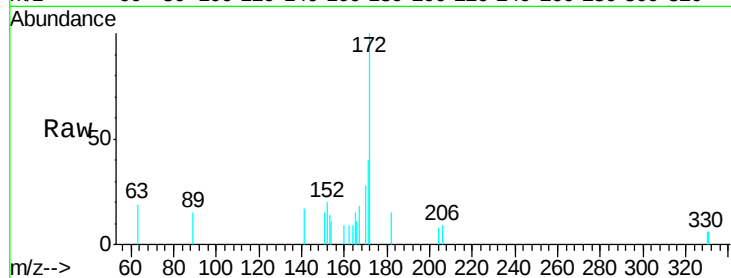
#15
2-Fluorobiphenyl
Concen: 0.032 ng
RT: 12.93 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN008039.D
Acq: 05 Oct 2019 23:01

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ClientSampleId :
PST-024-B269-092519DL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.0	28.8	43.2
170	28.0	19.5	29.3

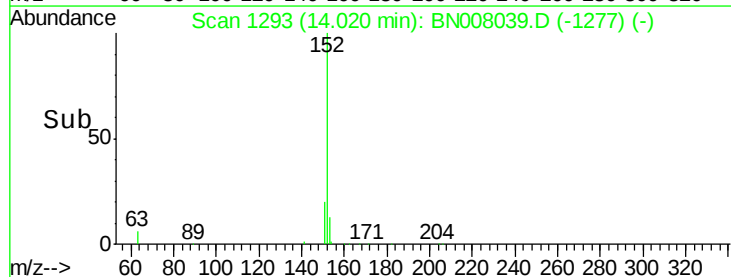
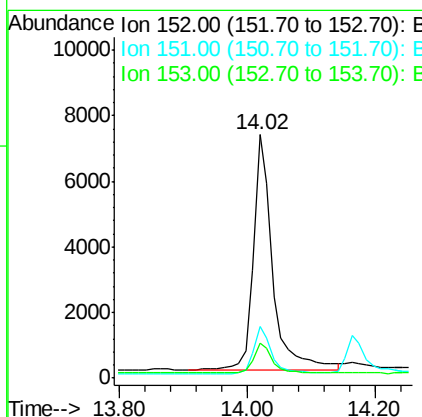
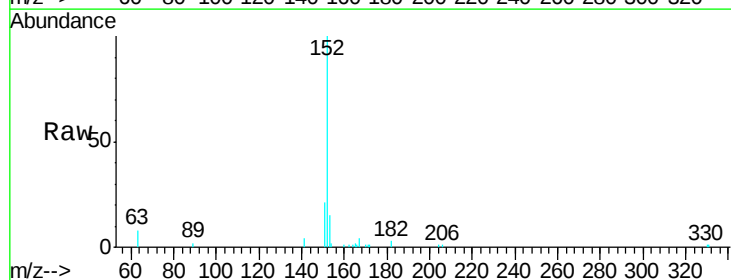
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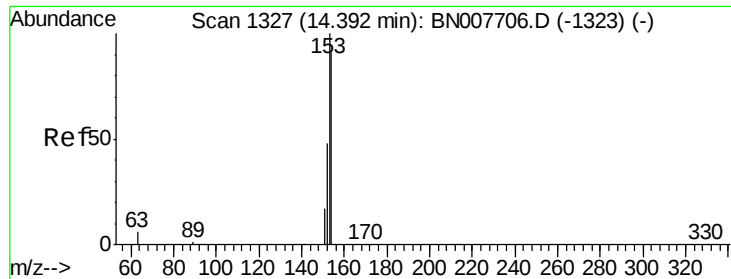
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#16
Acenaphthylene
Concen: 0.289 ng
RT: 14.02 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BN008039.D
Acq: 05 Oct 2019 23:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.5	23.3
153	12.5	10.4	15.6





#17

Acenaphthene

Concen: 0.169 ng

RT: 14.37 min Scan# 1324

Delta R.T. -0.03 min

Lab File: BN008039.D

Acq: 05 Oct 2019 23:01

Instrument :

BNA_N

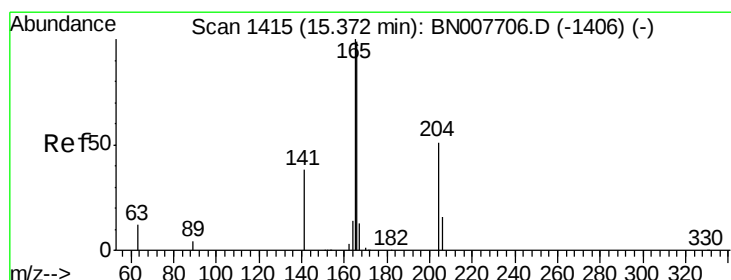
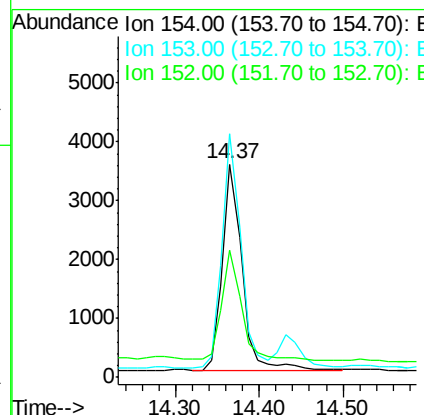
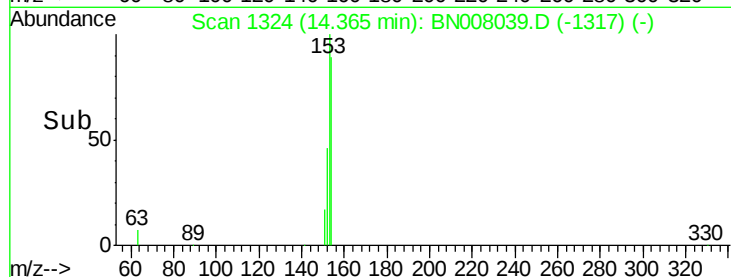
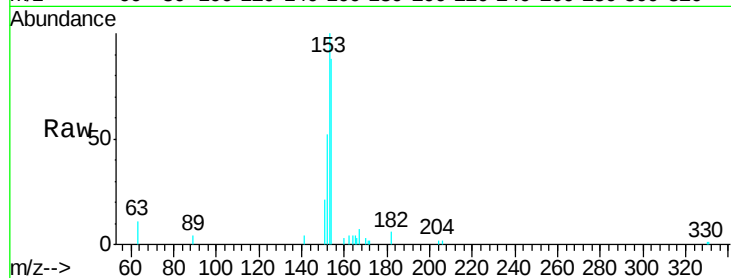
ClientSampleId :

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Tgt Ion:	154	Resp:	5676
Ion Ratio	Lower	Upper	
154	100		
153	109.7	87.0	130.4
152	55.1	42.7	64.1

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#18

Fluorene

Concen: 0.174 ng

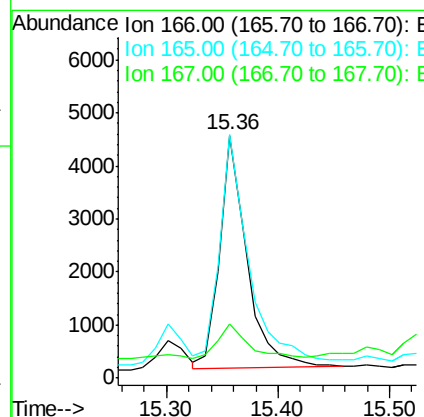
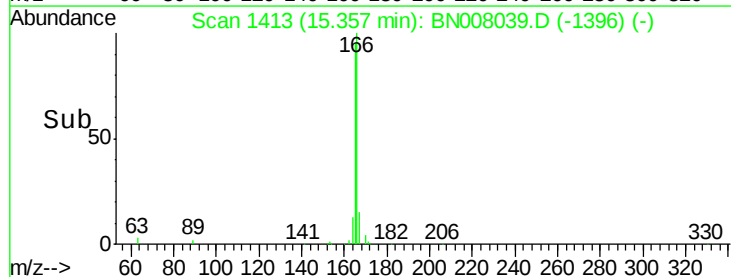
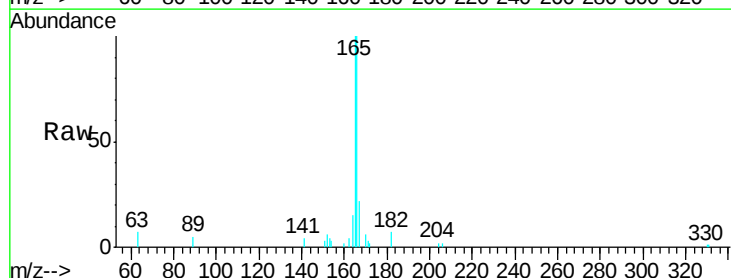
RT: 15.36 min Scan# 1413

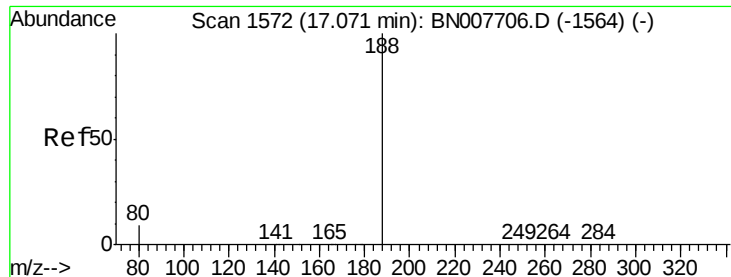
Delta R.T. -0.02 min

Lab File: BN008039.D

Acq: 05 Oct 2019 23:01

Tgt Ion:	166	Resp:	7487
Ion Ratio	Lower	Upper	
166	100		
165	102.8	78.0	117.0
167	15.9	10.9	16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BN008039.D

Acq: 05 Oct 2019 23:01

Instrument :

BNA_N

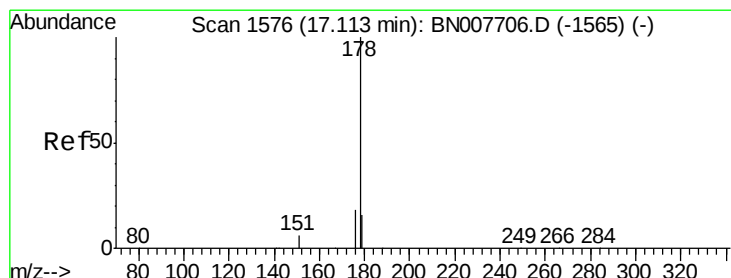
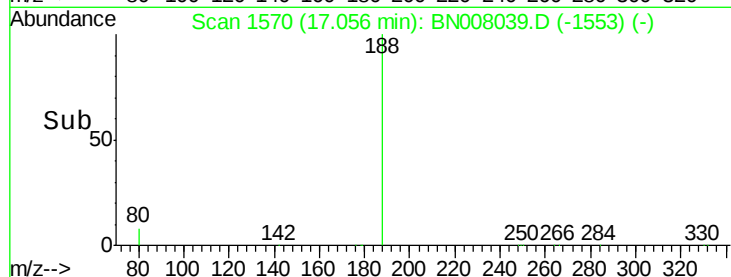
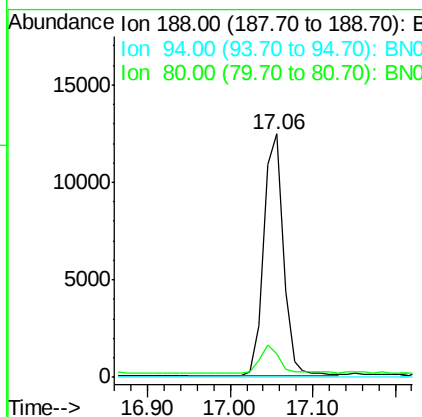
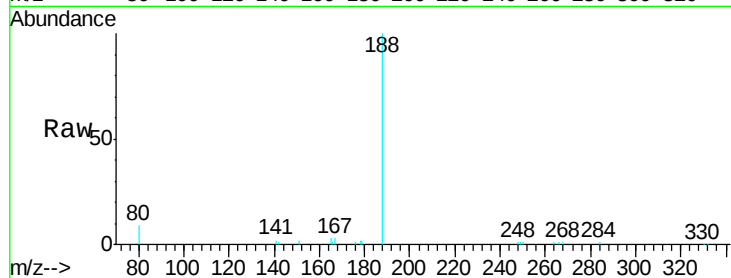
ClientSampleId :

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Tgt Ion:	188	Resp:	20162
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.4	7.4	11.2

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#23

Phenanthrene

Concen: 3.907 ng

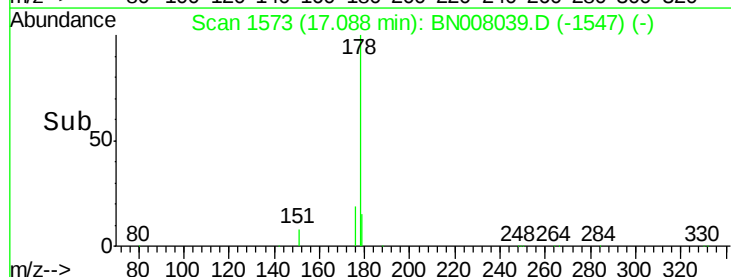
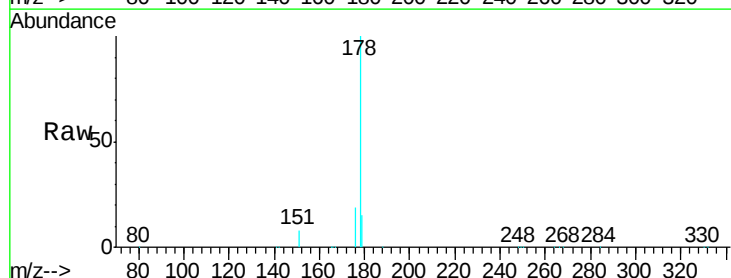
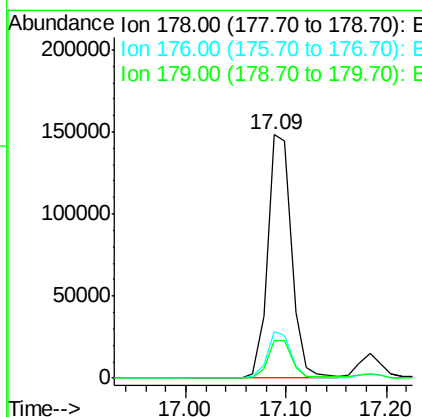
RT: 17.09 min Scan# 1573

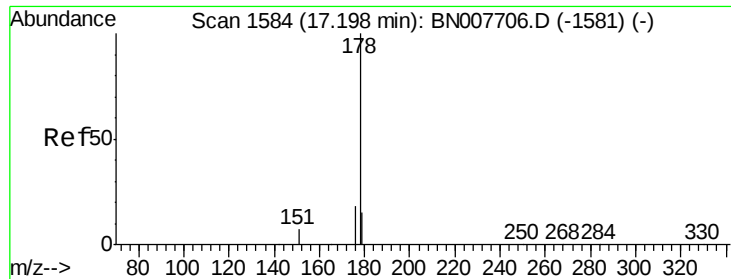
Delta R.T. -0.03 min

Lab File: BN008039.D

Acq: 05 Oct 2019 23:01

Tgt Ion:	178	Resp:	245389
Ion Ratio	Lower	Upper	
178	100		
176	18.5	14.9	22.3
179	15.4	12.5	18.7





#24

Anthracene

Concen: 0.424 ng

RT: 17.18 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BN008039.D

Acq: 05 Oct 2019 23:01

Instrument :

BNA_N

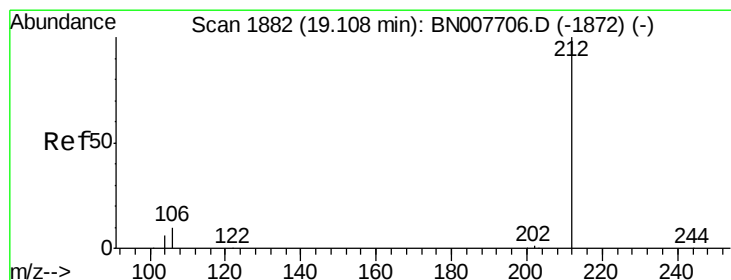
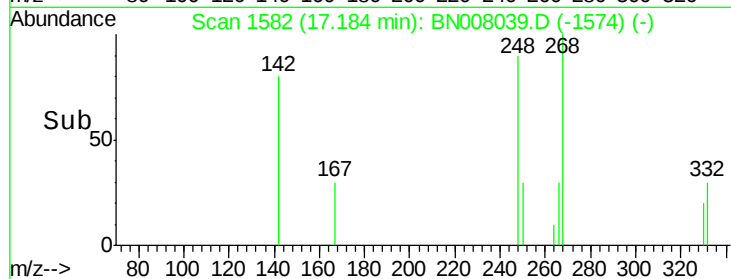
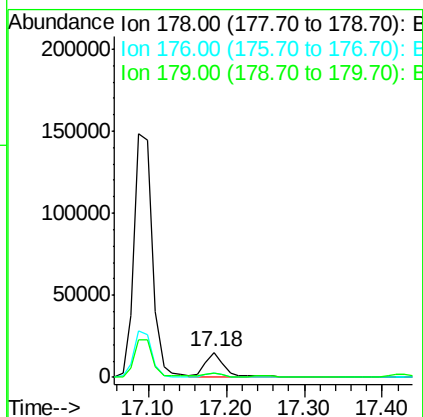
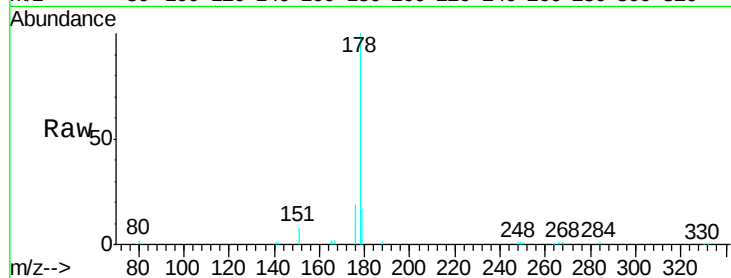
ClientSampleId :

PST-024-B269-092519DL

Tgt Ion:	178	Resp:	24045
Ion Ratio	Lower	Upper	
178	100		
176	17.6	14.6	21.8
179	18.5	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.038 ng

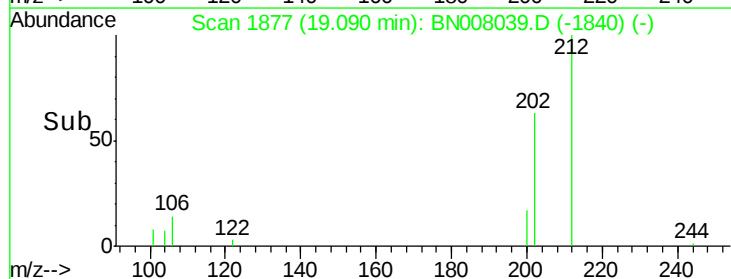
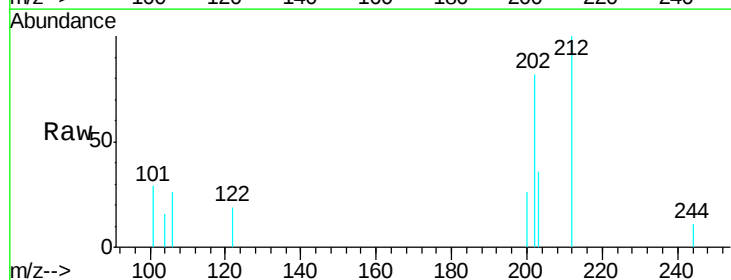
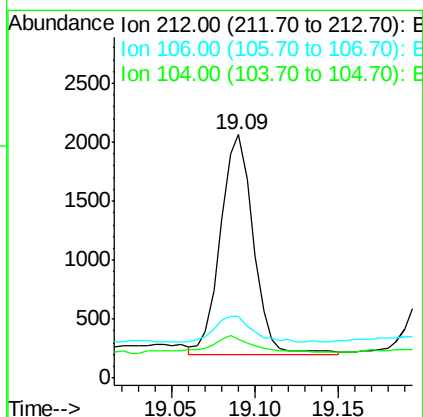
RT: 19.09 min Scan# 1877

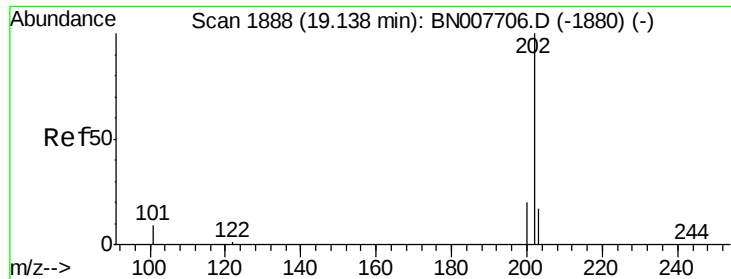
Delta R.T. -0.02 min

Lab File: BN008039.D

Acq: 05 Oct 2019 23:01

Tgt Ion:	212	Resp:	2572
Ion Ratio	Lower	Upper	
212	100		
106	13.4	9.4	14.0
104	10.8	5.3	7.9





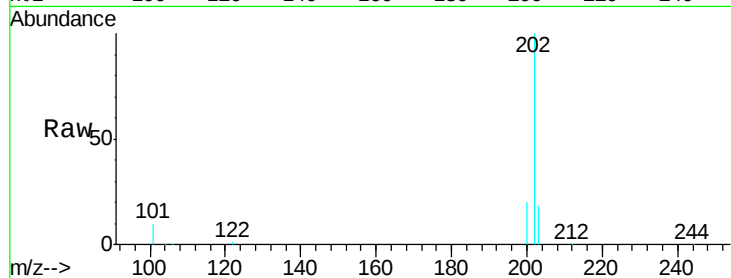
#26
Fluoranthene
 Concen: 6.735 ng
 RT: 19.12 min Scan# 1883
 Delta R.T. -0.02 min
 Lab File: BN008039.D
 Acq: 05 Oct 2019 23:01

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B269-092519DL

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		526027		
101	10.2	8.4	12.6		
203	17.5	13.8	20.8		

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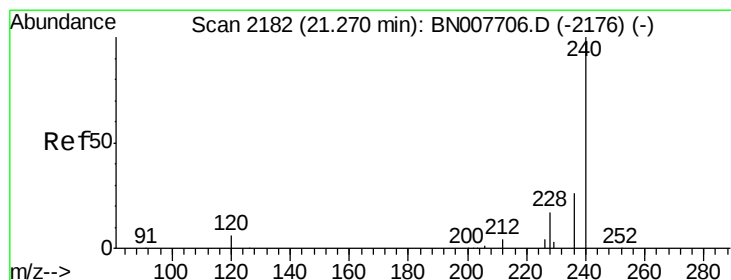
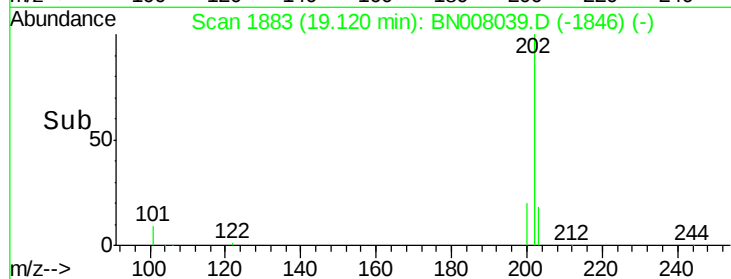
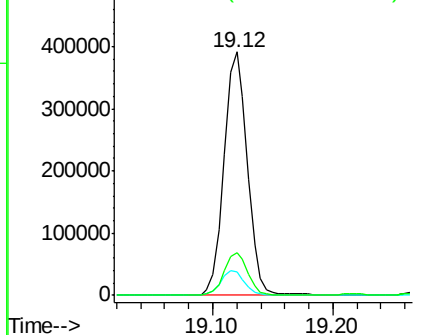


Abundance

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# 2179
 Delta R.T. -0.02 min
 Lab File: BN008039.D
 Acq: 05 Oct 2019 23:01

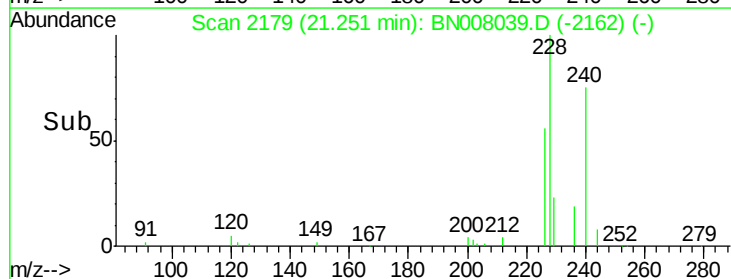
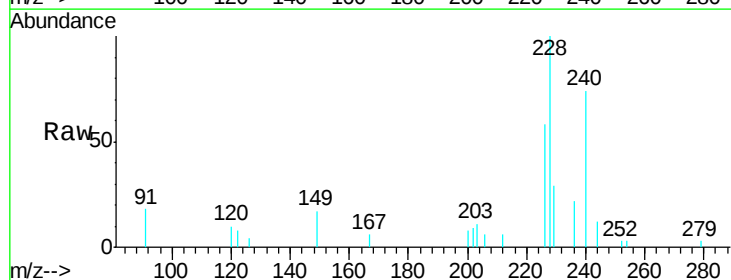
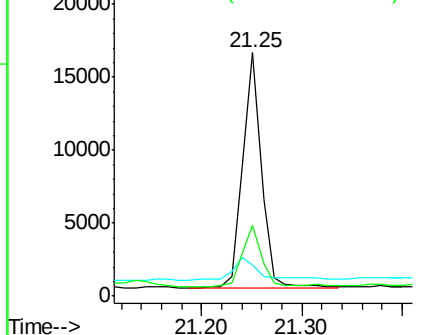
Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		20994		
120	12.8	5.4	8.2#		
236	28.9	21.0	31.4		

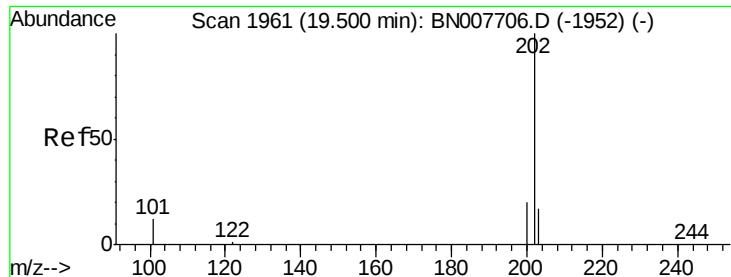
Abundance

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





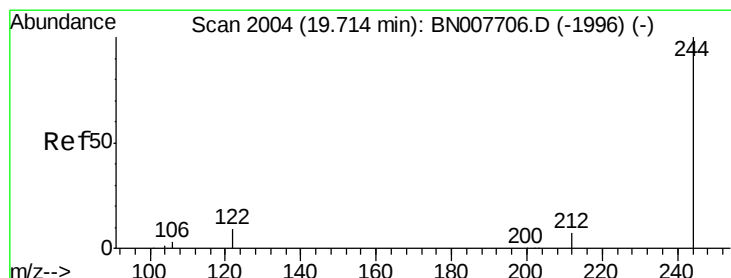
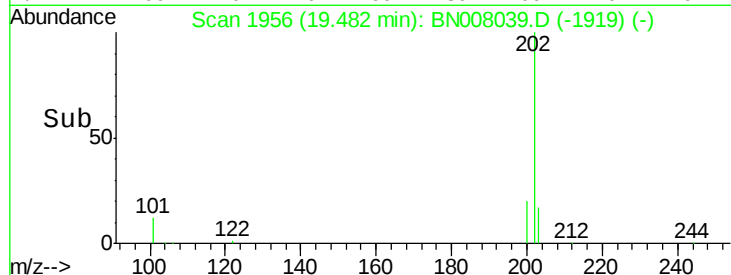
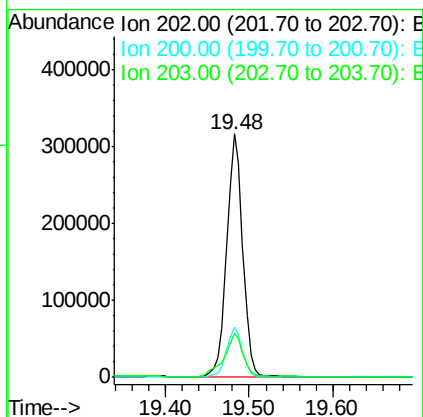
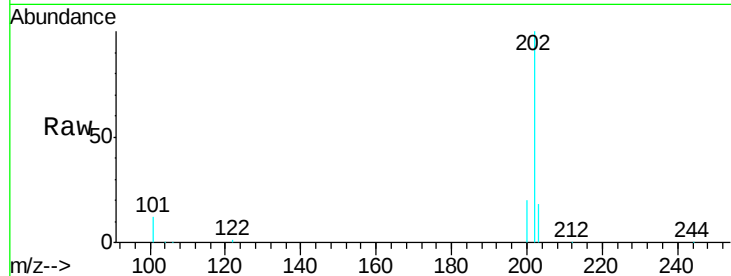
#28
 Pyrene
 Concen: 5.874 ng
 RT: 19.48 min Scan# 1956
 Delta R.T. -0.02 min
 Lab File: BN008039.D
 Acq: 05 Oct 2019 23:01

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B269-092519DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.5	16.4	24.6
203	21.0	14.1	21.1

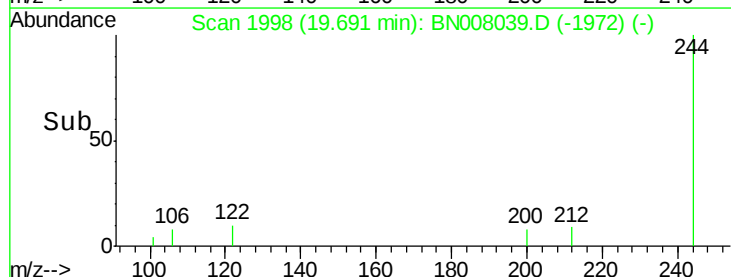
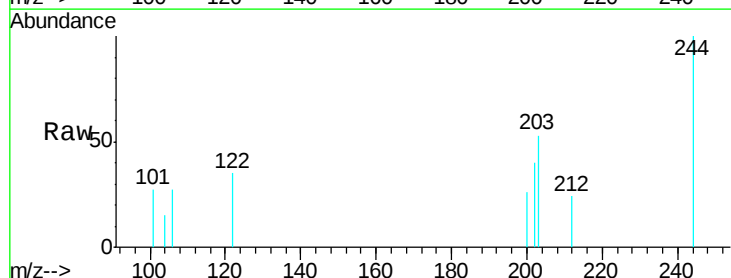
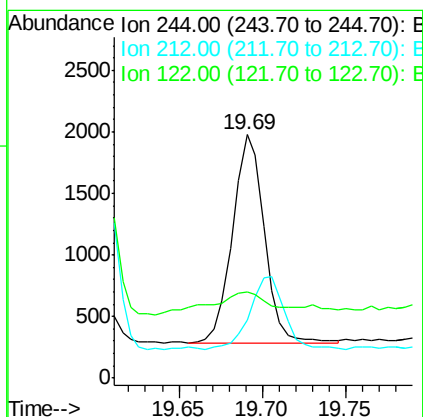
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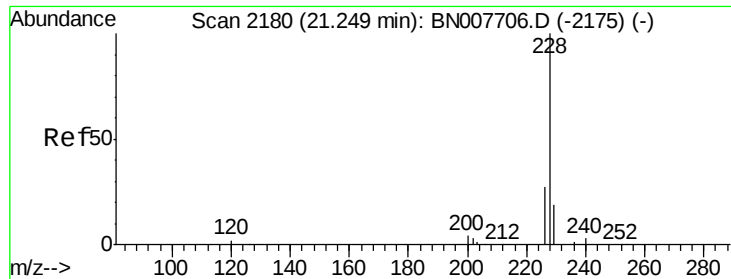
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#29
 Terphenyl-d14
 Concen: 0.043 ng
 RT: 19.69 min Scan# 1998
 Delta R.T. -0.02 min
 Lab File: BN008039.D
 Acq: 05 Oct 2019 23:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	23.9	5.9	8.9#
122	35.5	7.4	11.2#





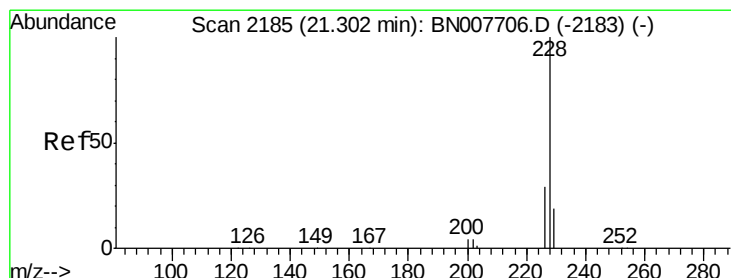
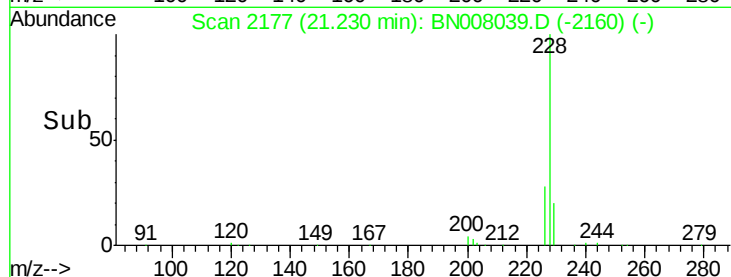
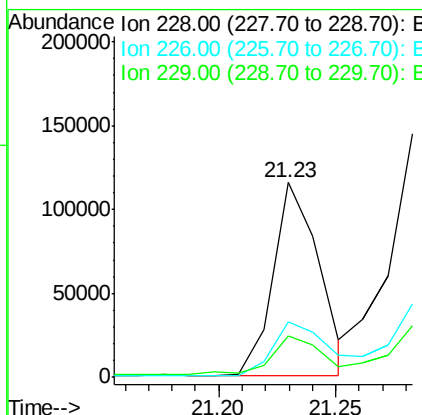
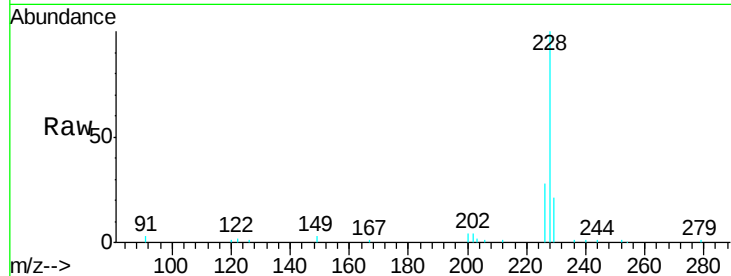
#30
Benzo(a)anthracene
Concen: 2.043 ng
RT: 21.23 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BN008039.D
Acq: 05 Oct 2019 23:01

Instrument :
BNA_N
ClientSampleId :
PST-024-B269-092519DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.1	33.1
229	20.9	15.8	23.6

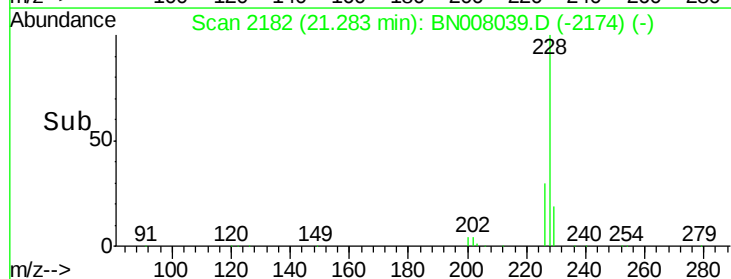
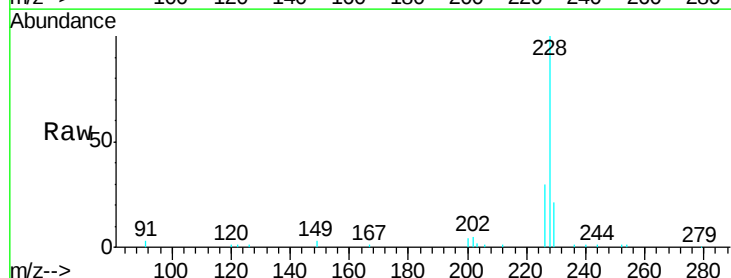
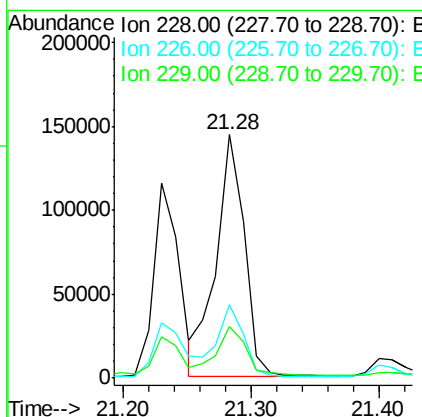
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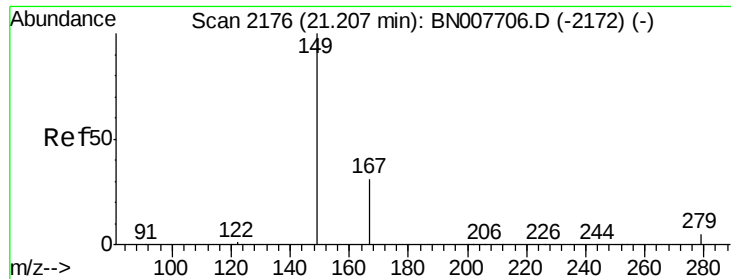
mohammad
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#31
Chrysene
Concen: 2.903 ng
RT: 21.28 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BN008039.D
Acq: 05 Oct 2019 23:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.9	35.9
229	21.3	15.8	23.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.065 ng

RT: 21.18 min Scan# 2172

Delta R.T. -0.03 min

Lab File: BN008039.D

Acq: 05 Oct 2019 23:01

Instrument :

BNA_N

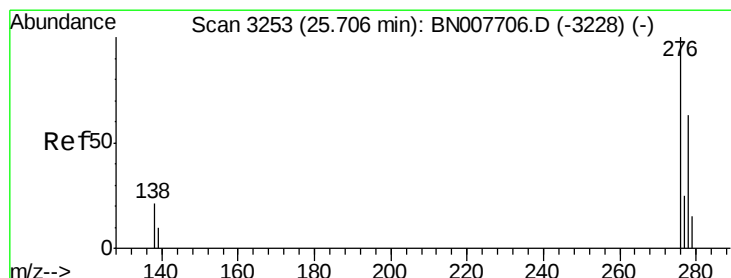
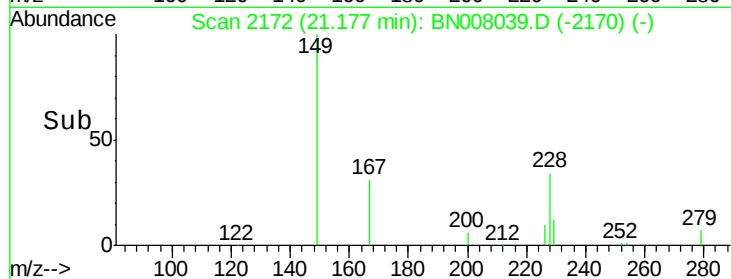
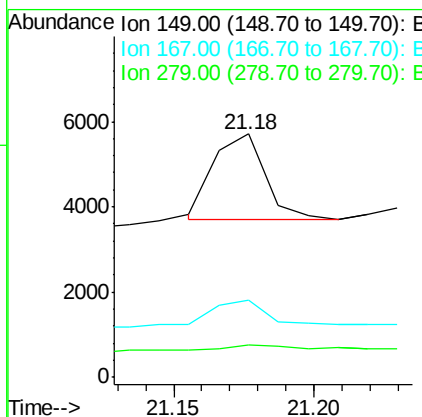
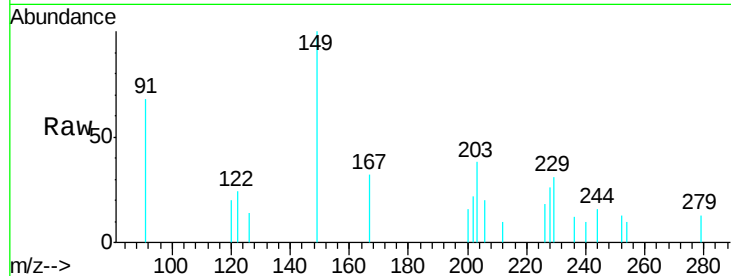
ClientSampleId :

PST-024-B269-092519DL

Tgt Ion:	149	Resp:	2579
Ion Ratio	Lower	Upper	
149	100		
167	27.6	23.7	35.5
279	9.8	4.2	6.2

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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.854 ng

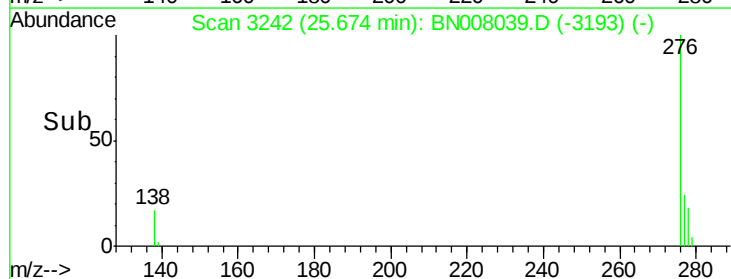
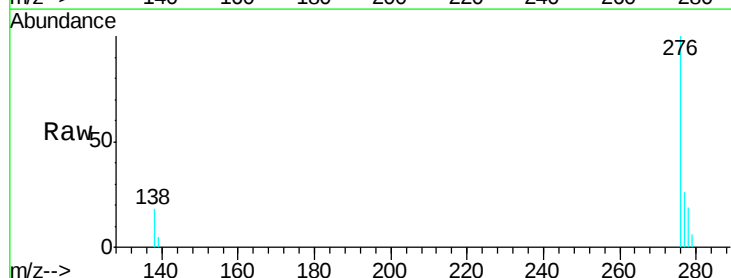
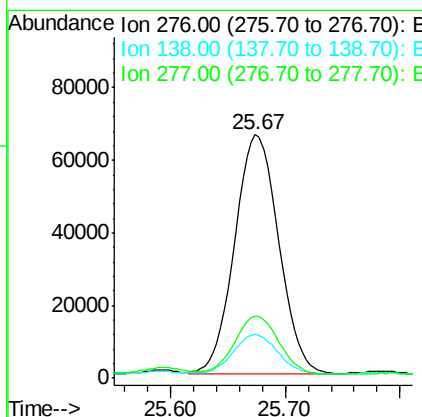
RT: 25.67 min Scan# 3242

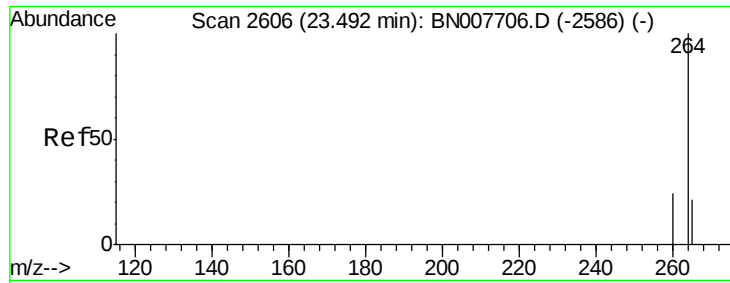
Delta R.T. -0.03 min

Lab File: BN008039.D

Acq: 05 Oct 2019 23:01

Tgt Ion:	276	Resp:	174944
Ion Ratio	Lower	Upper	
276	100		
138	16.7	17.1	25.7
277	24.6	20.0	30.0





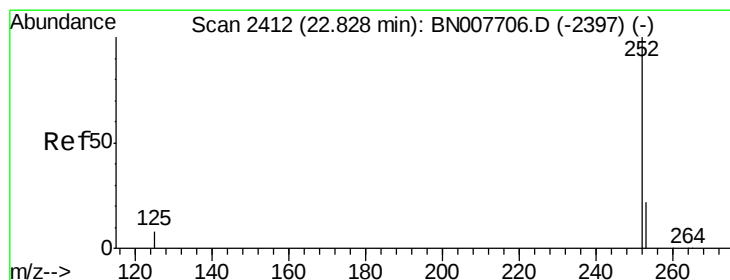
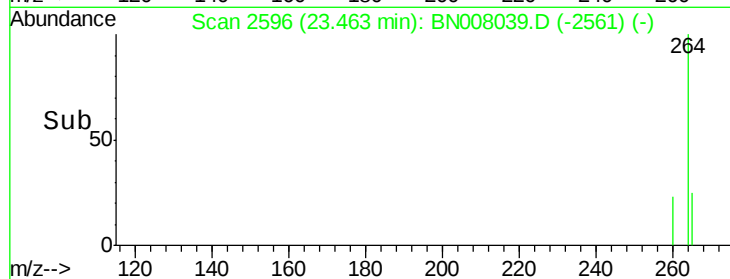
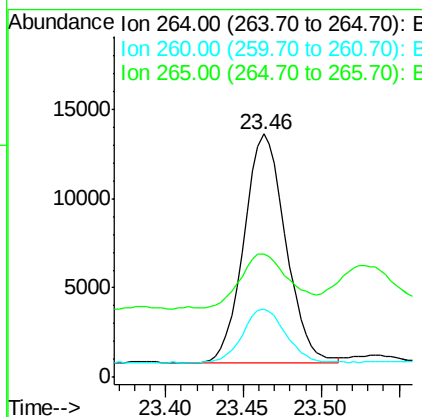
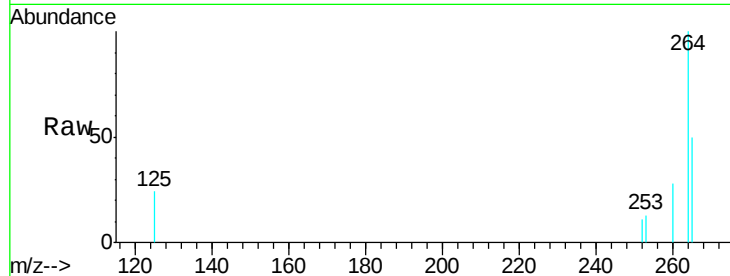
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.46 min Scan# 2596
 Delta R.T. -0.03 min
 Lab File: BN008039.D
 Acq: 05 Oct 2019 23:01

Instrument :
 BNA_N
 ClientSampleID :
 PST-024-B269-092519DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	28.1	19.3	28.9
265	50.4	26.9	40.3

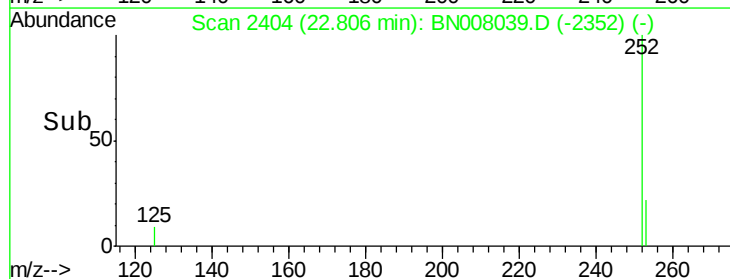
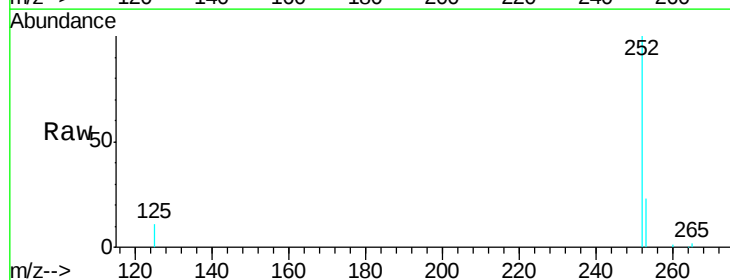
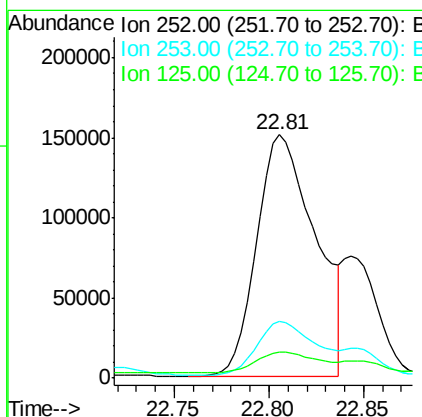
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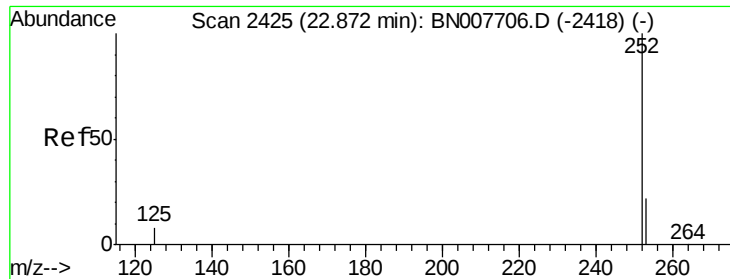
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 3.919 ng
 RT: 22.81 min Scan# 2404
 Delta R.T. -0.02 min
 Lab File: BN008039.D
 Acq: 05 Oct 2019 23:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.3	27.5
125	10.7	8.2	12.4





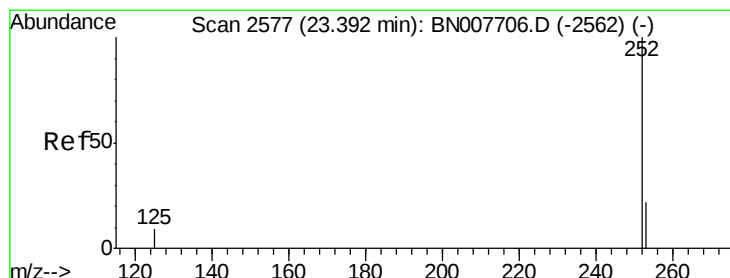
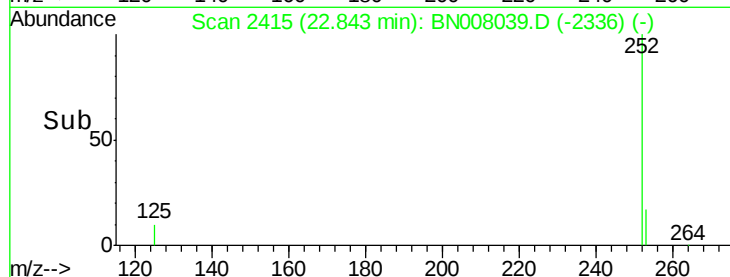
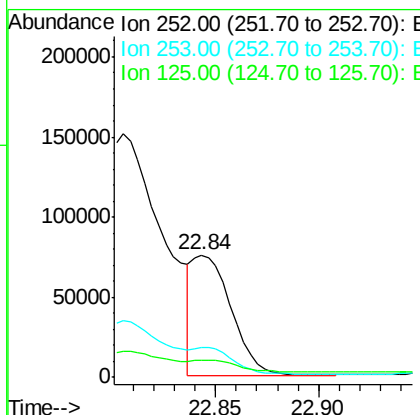
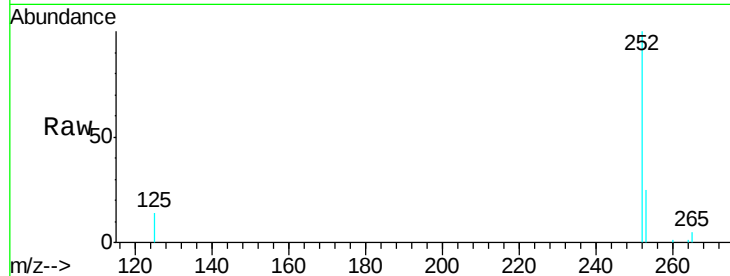
#36
Benzo(k)fluoranthene
Concen: 1.203 ng m
RT: 22.84 min Scan# 2415
Delta R.T. -0.03 min
Lab File: BN008039.D
Acq: 05 Oct 2019 23:01

Instrument :
BNA_N
ClientSampleId :
PST-024-B269-092519DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.5	27.7
125	14.3	8.4	12.6

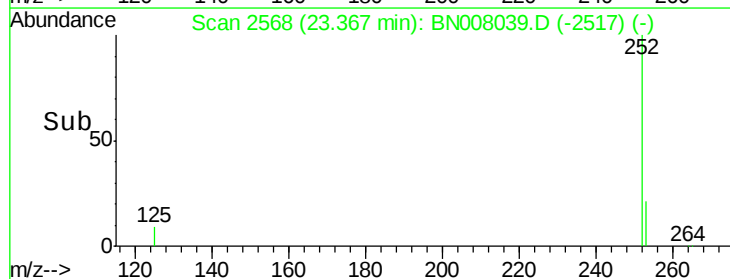
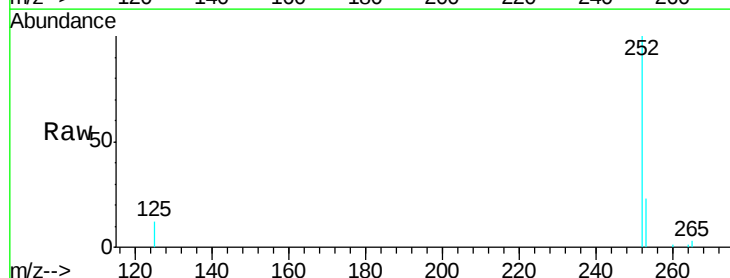
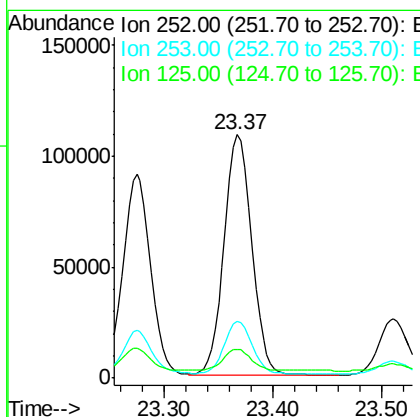
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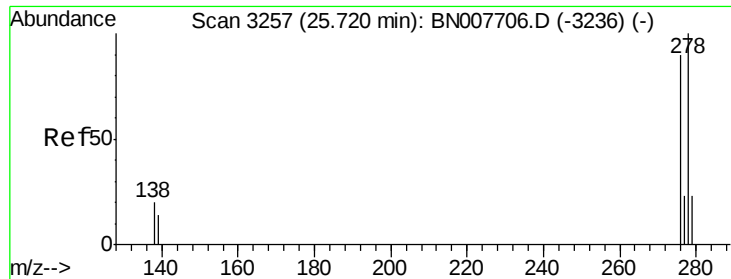
mohammad
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#37
Benzo(a)pyrene
Concen: 2.434 ng
RT: 23.37 min Scan# 2568
Delta R.T. -0.03 min
Lab File: BN008039.D
Acq: 05 Oct 2019 23:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	27.8
125	11.9	9.4	14.0





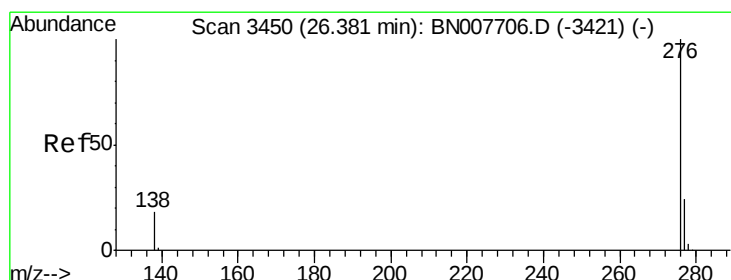
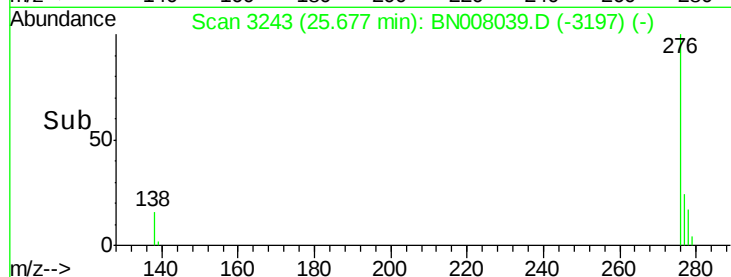
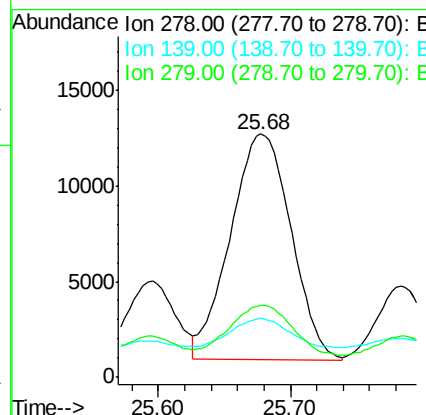
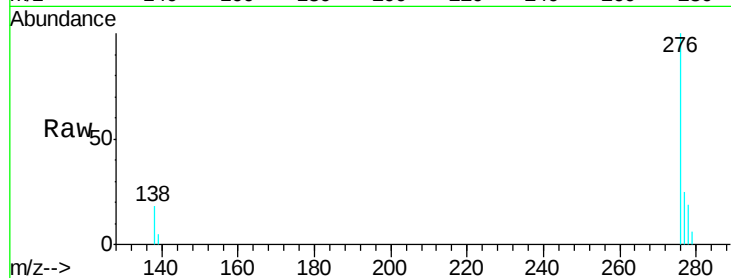
#38
Dibenzo(a,h)anthracene
Concen: 0.472 ng
RT: 25.68 min Scan# 3243
Delta R.T. -0.04 min
Lab File: BN008039.D
Acq: 05 Oct 2019 23:01

Instrument :
BNA_N
ClientSampleId :
PST-024-B269-092519DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.4	11.8	17.6#
279	29.4	19.4	29.2#

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#39
Benzo(g,h,i)perylene
Concen: 2.336 ng
RT: 26.35 min Scan# 3440
Delta R.T. -0.03 min
Lab File: BN008039.D
Acq: 05 Oct 2019 23:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.8	29.8
138	18.5	15.1	22.7

