

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
 Data File : BN008046.D
 Acq On : 06 Oct 2019 05:36
 Operator : JU
 Sample : K5078-20DL 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW135-092519DL

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Quant Time: Oct 07 07:29:19 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	3974	0.40	ng	-0.02
7) Naphthalene-d8	10.44	136	15697	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	9842	0.40	ng	-0.03
19) Phenanthrene-d10	17.05	188	20798	0.40	ng	-0.03
27) Chrysene-d12	21.25	240	22362	0.40	ng	-0.02
34) Perylene-d12	23.46	264	25124	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.30	112	681	0.05	ng	-0.02
5) Phenol-d6	6.87	99	804	0.04	ng	0.00
8) Nitrobenzene-d5	8.82	82	716	0.05	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1517	0.06	ng	-0.02
14) 2,4,6-Tribromophenol	15.80	330	291	0.05	ng	-0.02
15) 2-Fluorobiphenyl	12.93	172	2033	0.05	ng	-0.02
25) Fluoranthene-d10	19.09	212	4090	0.06	ng	-0.02
29) Terphenyl-d14	19.69	244	3450	0.06	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	1800	0.041	ng	# 79
12) 2-Methylnaphthalene	12.11	142	1118	0.038	ng	# 86
16) Acenaphthylene	14.02	152	10139	0.194	ng	100
17) Acenaphthene	14.37	154	5637	0.168	ng	100
18) Fluorene	15.36	166	8046	0.187	ng	97
23) Phenanthrene	17.09	178	190075	2.934	ng	100
24) Anthracene	17.18	178	13797	0.236	ng	# 88
26) Fluoranthene	19.11	202	306143	3.800	ng	99
28) Pyrene	19.48	202	249571	3.272	ng	96
30) Benzo(a)anthracene	21.23	228	99313	1.206	ng	98
31) Chrysene	21.28	228	119182	1.485	ng	98
32) Bis(2-ethylhexyl)phthalate	21.17	149	4783m	0.113	ng	
33) Indeno(1,2,3-cd)pyrene	25.67	276	80409	0.800	ng	# 95
35) Benzo(b)fluoranthene	22.80	252	156727	1.797	ng	98
36) Benzo(k)fluoranthene	22.84	252	55929m	0.648	ng	
37) Benzo(a)pyrene	23.36	252	100560	1.227	ng	98
38) Dibenzo(a,h)anthracene	25.67	278	18337	0.219	ng	# 78
39) Benzo(g,h,i)perylene	26.34	276	80256	0.967	ng	99

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

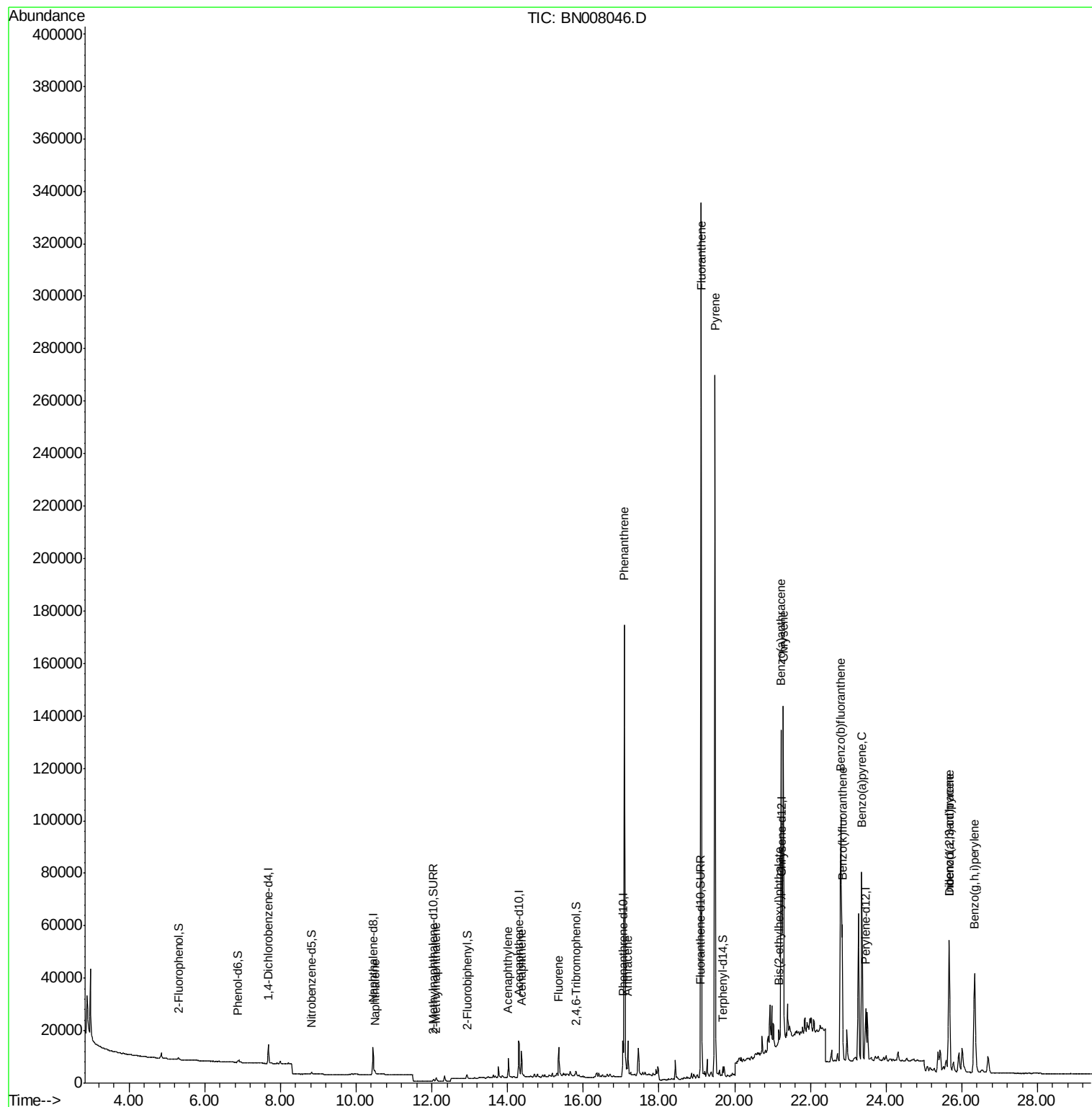
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
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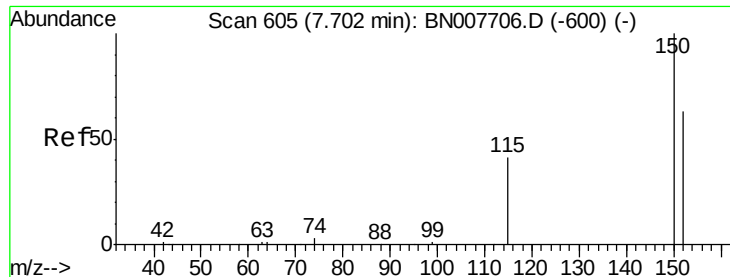
Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519DL

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Quant Time: Oct 07 07:29:19 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

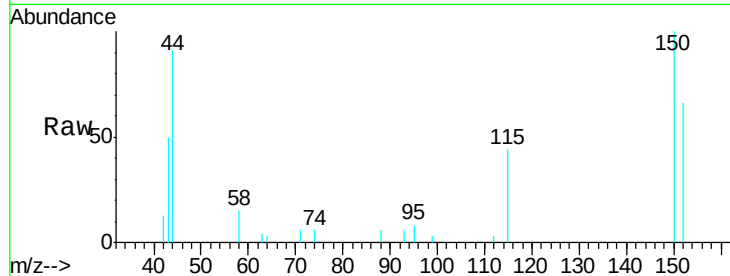




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 602
Delta R.T. -0.02 min
Lab File: BN008046.D
Acq: 06 Oct 2019 05:36

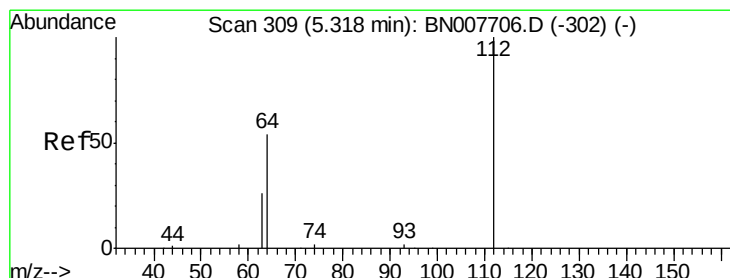
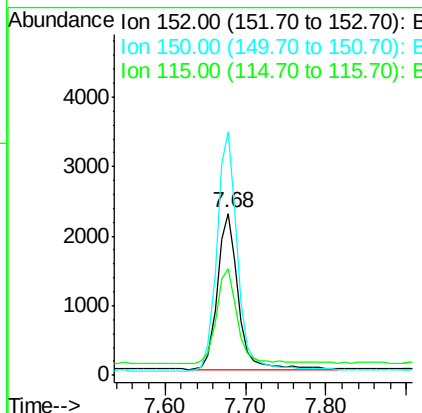
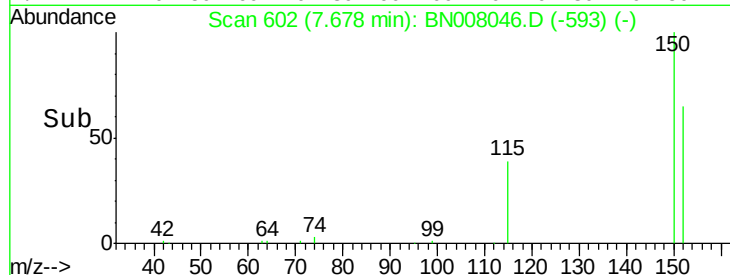
Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519DL



Tgt Ion:152 Resp: 3974
Ion Ratio Lower Upper
152 100
150 150.4 125.6 188.4
115 65.7 53.3 79.9

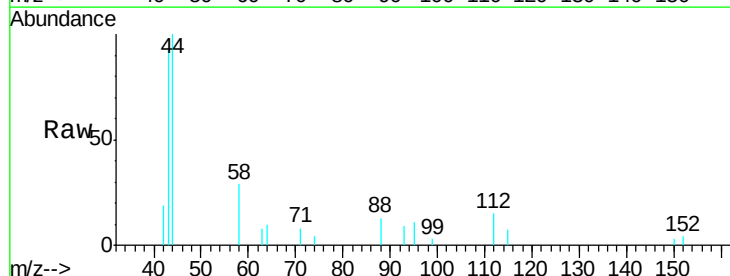
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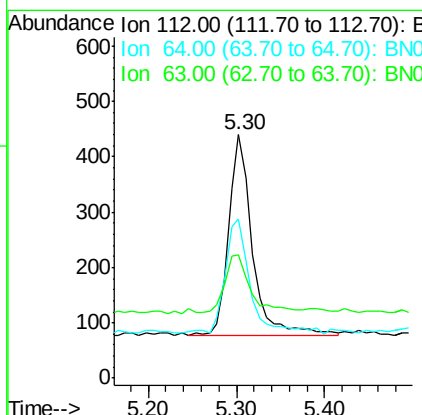
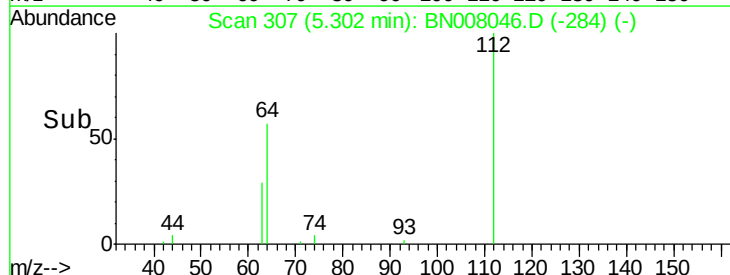


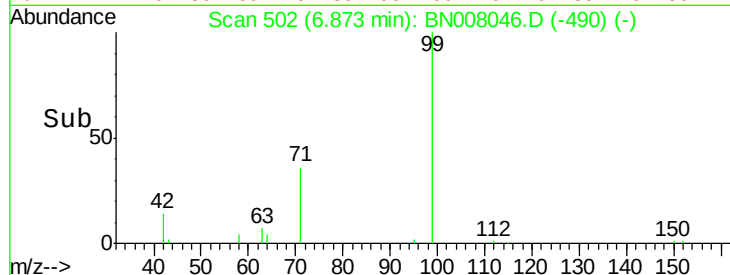
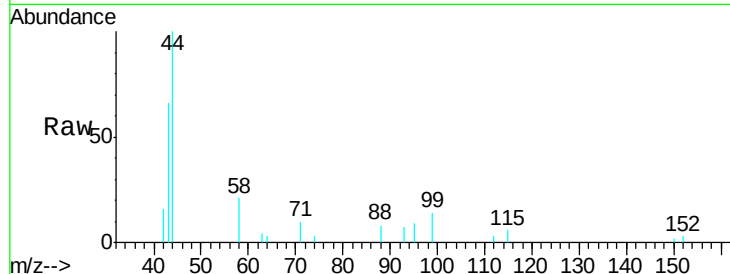
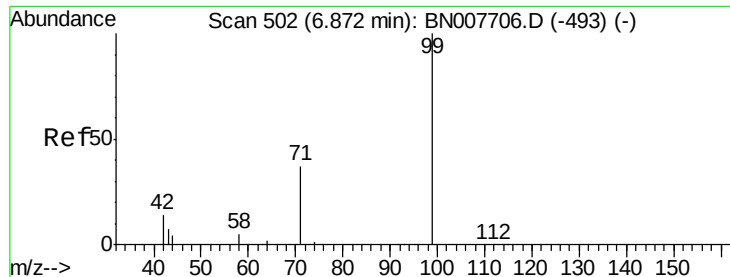
#4

2-Fluorophenol
Concen: 0.050 ng
RT: 5.30 min Scan# 307
Delta R.T. -0.02 min
Lab File: BN008046.D
Acq: 06 Oct 2019 05:36



Tgt Ion:112 Resp: 681
Ion Ratio Lower Upper
112 100
64 60.9 46.6 70.0
63 30.5 23.1 34.7





#5

Phenol-d6

Concen: 0.042 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN008046.D

Acq: 06 Oct 2019 05:36

Tgt Ion:	99	Resp:	804
Ion	Ratio	Lower	Upper
99	100		
42	28.2	12.8	19.2#
71	37.2	27.6	41.4

Instrument :

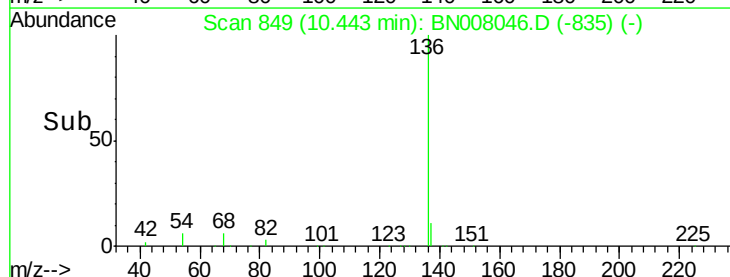
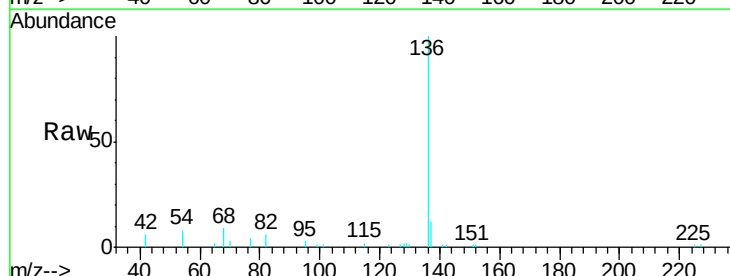
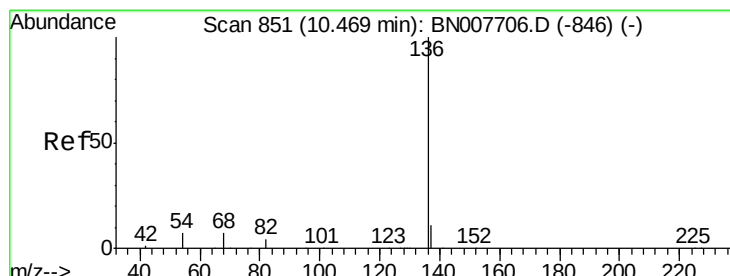
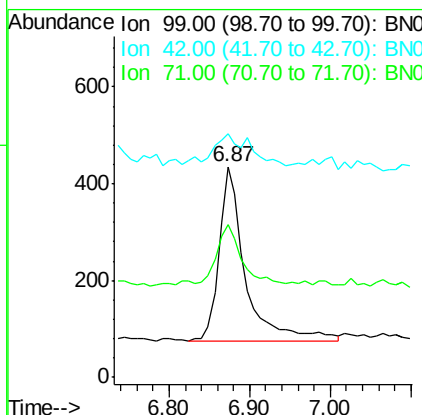
BNA_N

ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.400 ng

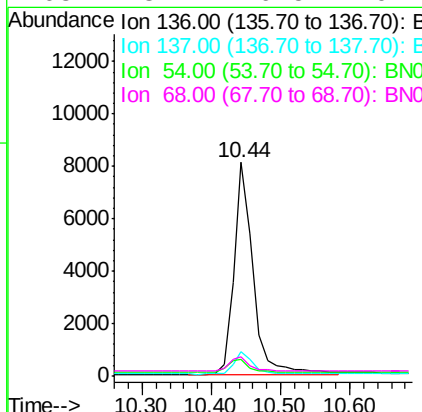
RT: 10.44 min Scan# 849

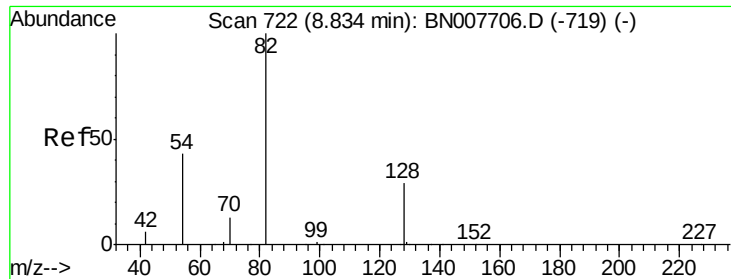
Delta R.T. -0.03 min

Lab File: BN008046.D

Acq: 06 Oct 2019 05:36

Tgt Ion:	136	Resp:	15697
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	7.8	5.8	8.8
68	8.7	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.052 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN008046.D

Acq: 06 Oct 2019 05:36

Instrument :

BNA_N

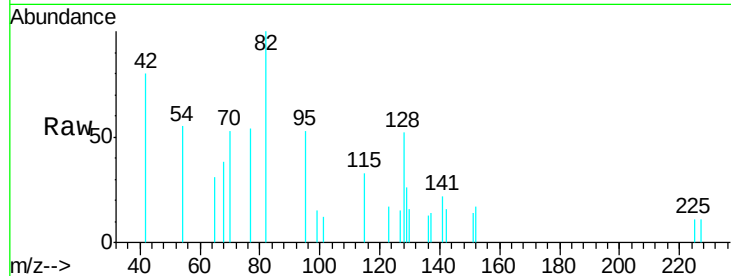
ClientSampleId :

PST-024-SW135-092519DL

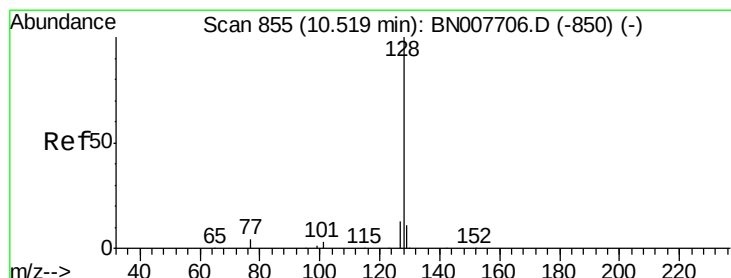
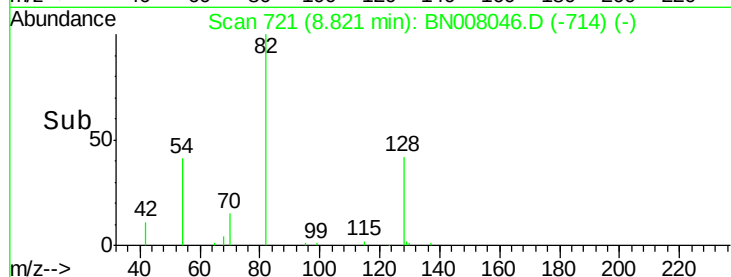
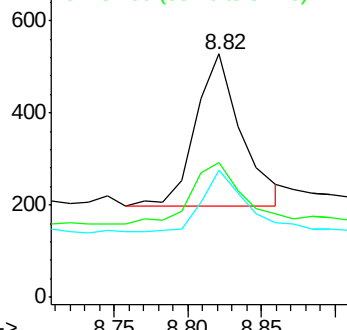
Tgt Ion:	82	Resp:	716
Ion Ratio	Lower	Upper	
82	100		
128	52.3	24.5	36.7#
54	55.1	35.2	52.8#

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Abundance Ion 82.00 (81.70 to 82.70): BNC
Ion 128.00 (127.70 to 128.70): BNC
Ion 54.00 (53.70 to 54.70): BNC



#9

Naphthalene

Concen: 0.041 ng

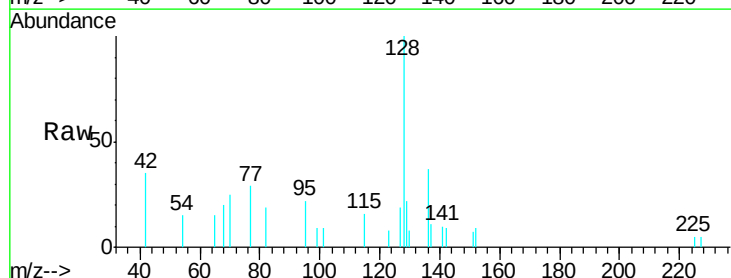
RT: 10.49 min Scan# 853

Delta R.T. -0.03 min

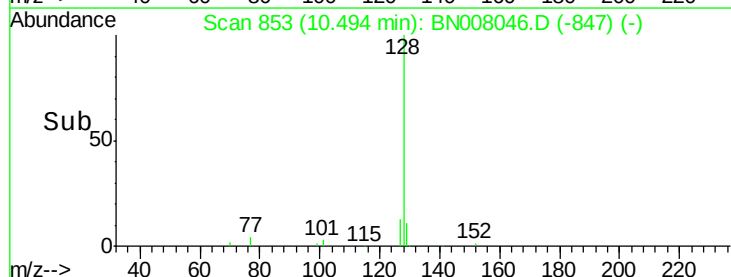
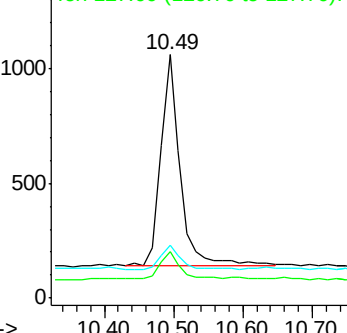
Lab File: BN008046.D

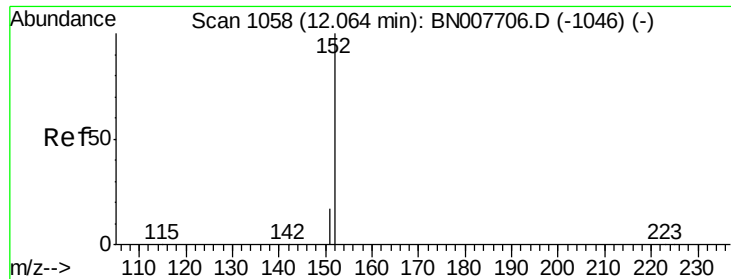
Acq: 06 Oct 2019 05:36

Tgt Ion:	128	Resp:	1800
Ion Ratio	Lower	Upper	
128	100		
129	22.0	9.1	13.7#
127	19.1	10.6	15.8#



Abundance Ion 128.00 (127.70 to 128.70): BNC
Ion 129.00 (128.70 to 129.70): BNC
Ion 127.00 (126.70 to 127.70): BNC





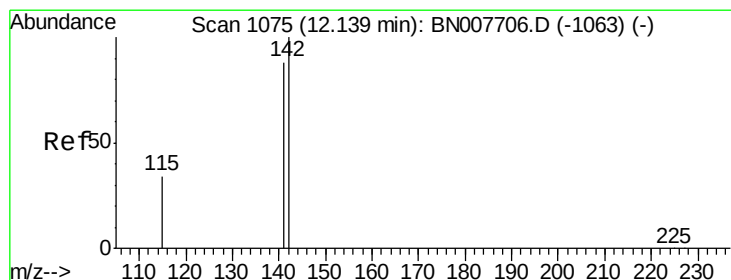
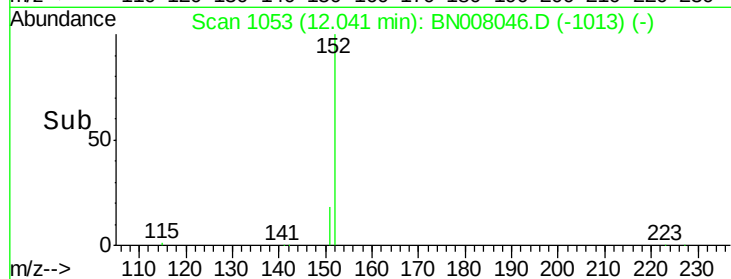
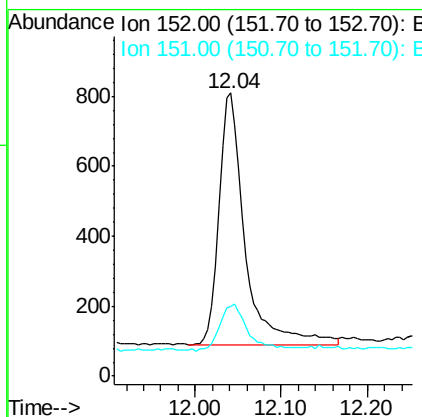
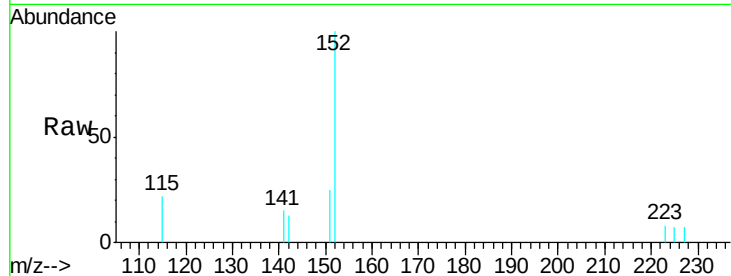
#11
 2-Methylnaphthalene-d10
 Concen: 0.057 ng
 RT: 12.04 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: BN008046.D
 Acq: 06 Oct 2019 05:36

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW135-092519DL

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.4	23.2

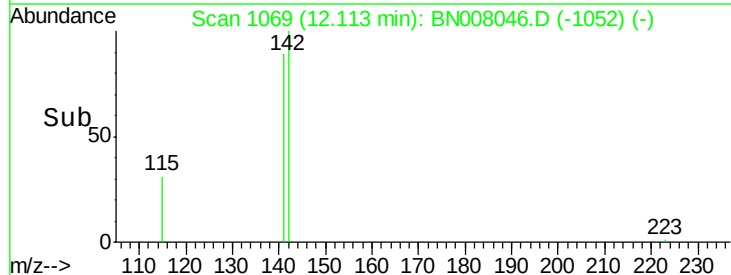
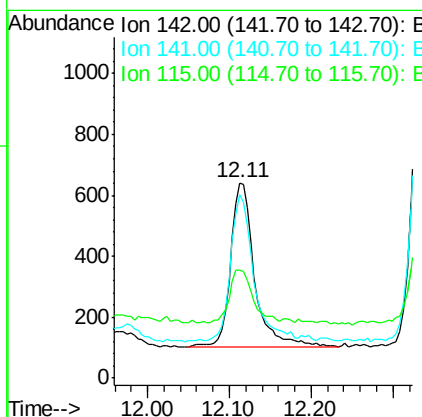
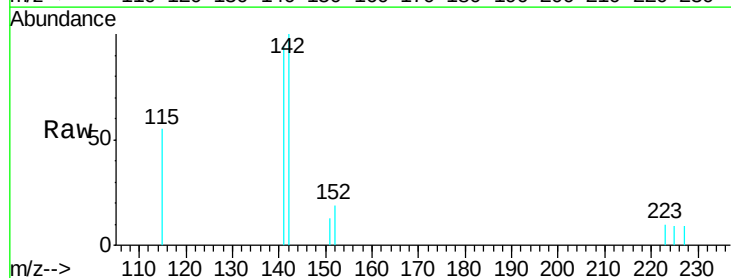
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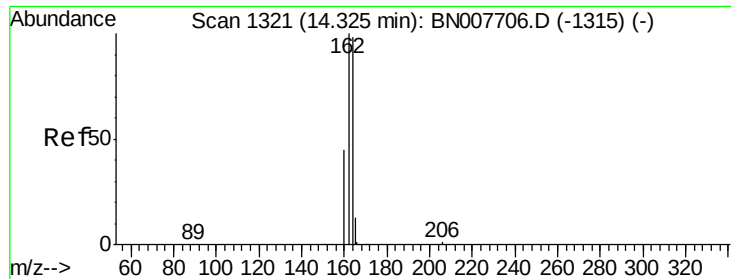
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#12
 2-Methylnaphthalene
 Concen: 0.038 ng
 RT: 12.11 min Scan# 1069
 Delta R.T. -0.03 min
 Lab File: BN008046.D
 Acq: 06 Oct 2019 05:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.9	70.6	106.0
115	55.5	28.3	42.5





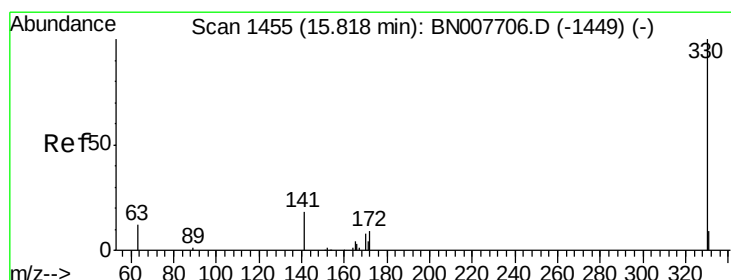
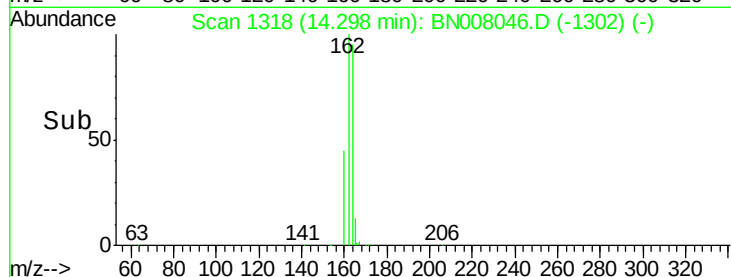
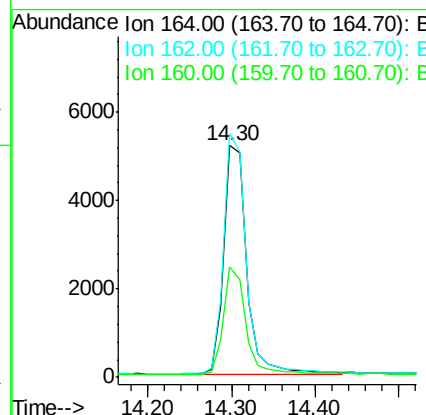
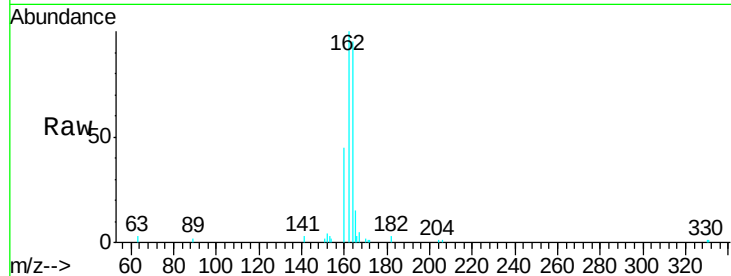
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 1318
Delta R.T. -0.03 min
Lab File: BN008046.D
Acq: 06 Oct 2019 05:36

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519DL

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	81.7	122.5
160	47.7	37.0	55.4

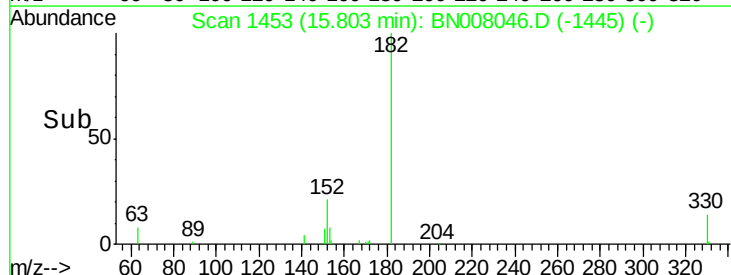
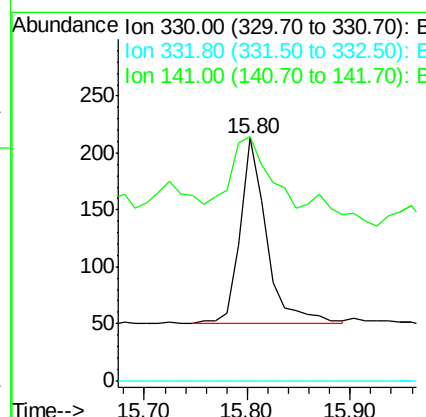
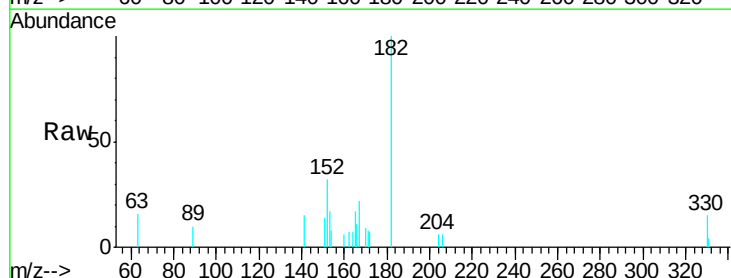
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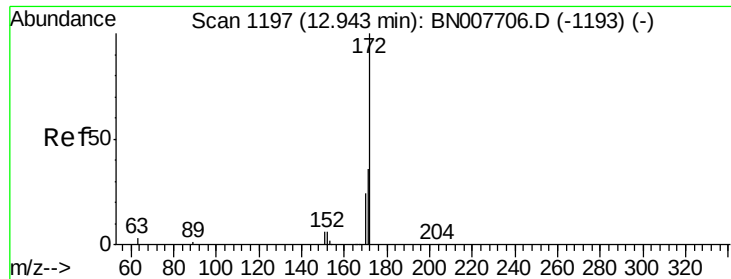
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#14
2,4,6-Tribromophenol
Concen: 0.054 ng
RT: 15.80 min Scan# 1453
Delta R.T. -0.02 min
Lab File: BN008046.D
Acq: 06 Oct 2019 05:36

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	45.4	28.7	43.1#





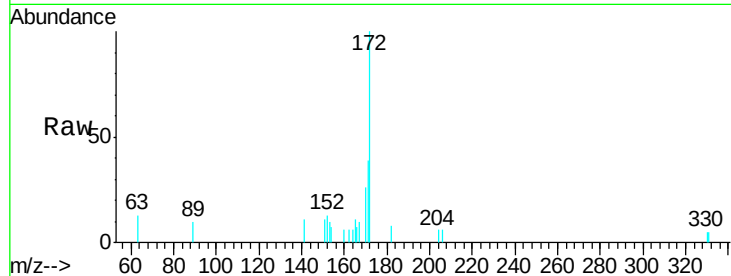
#15
2-Fluorobiphenyl
Concen: 0.050 ng
RT: 12.93 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN008046.D
Acq: 06 Oct 2019 05:36

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519DL

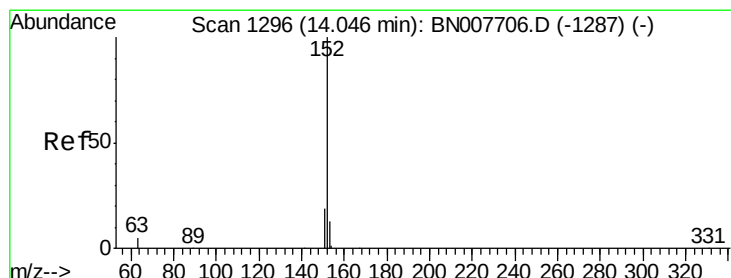
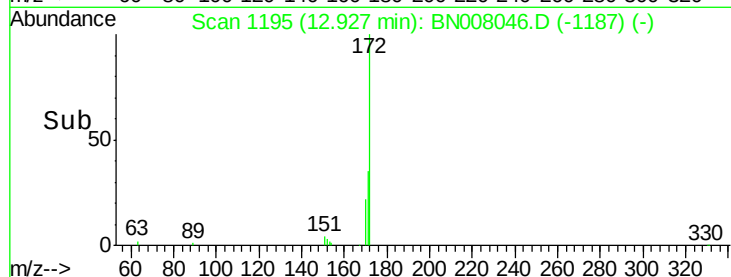
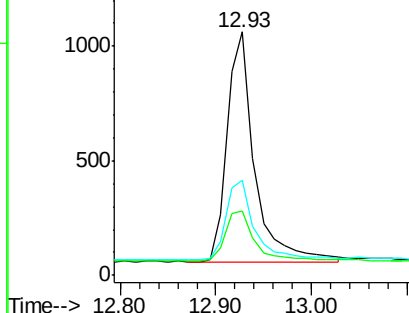
Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.2	28.8	43.2
170	26.3	19.5	29.3

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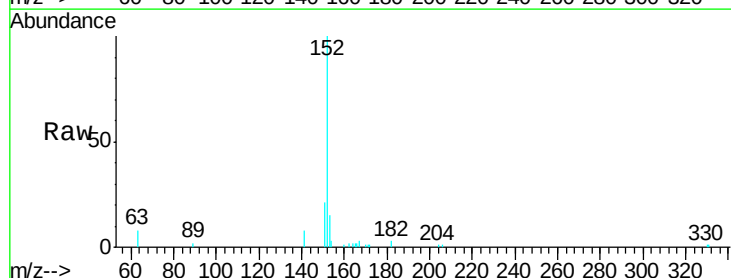


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

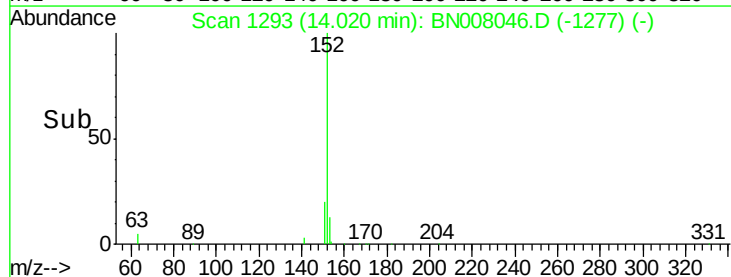
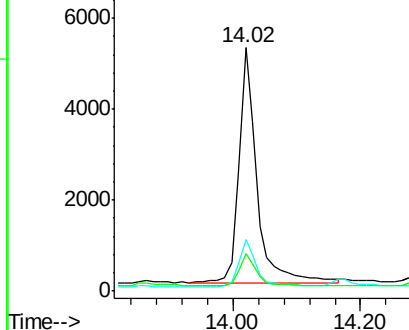


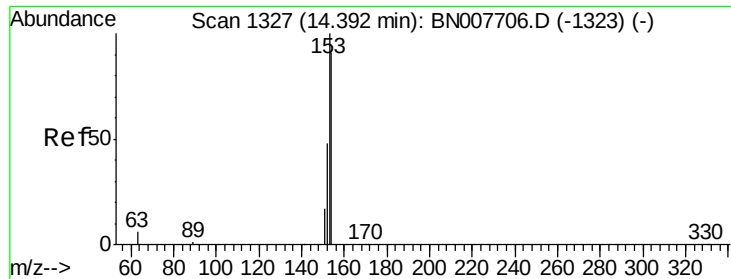
#16
Acenaphthylene
Concen: 0.194 ng
RT: 14.02 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BN008046.D
Acq: 06 Oct 2019 05:36

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3
153	13.2	10.4	15.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.168 ng

RT: 14.37 min Scan# 1324

Delta R.T. -0.03 min

Lab File: BN008046.D

Acq: 06 Oct 2019 05:36

Instrument :

BNA_N

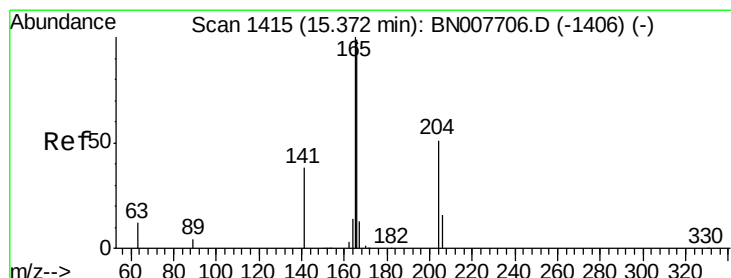
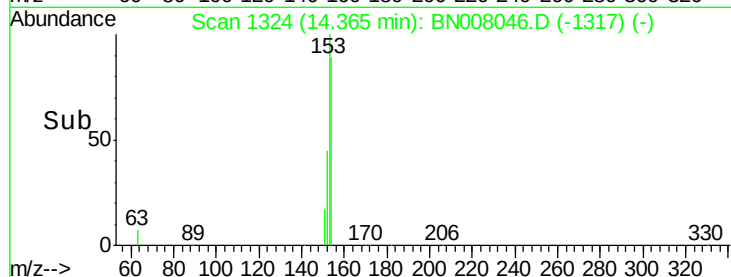
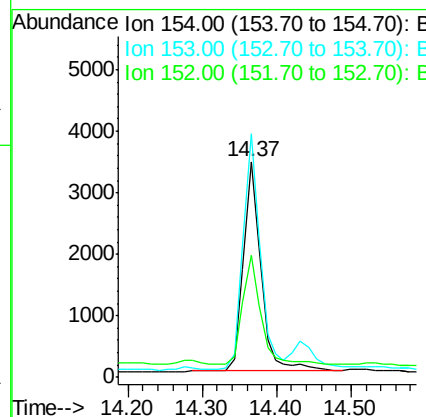
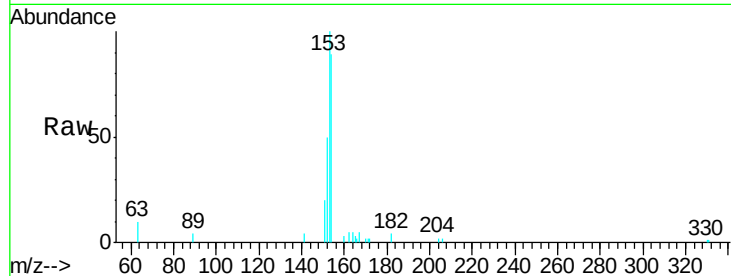
ClientSampleId :

PST-024-SW135-092519DL

Tgt Ion:	154	Resp:	5637
Ion Ratio	Lower	Upper	
154	100		
153	109.0	87.0	130.4
152	53.6	42.7	64.1

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#18

Fluorene

Concen: 0.187 ng

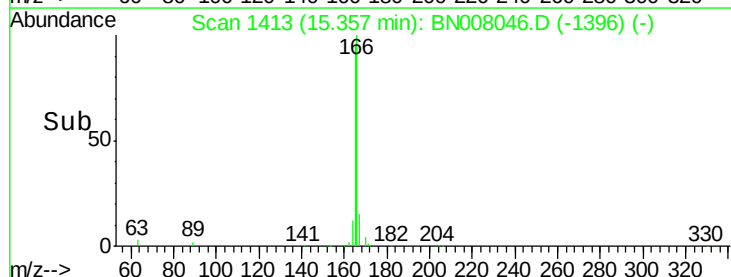
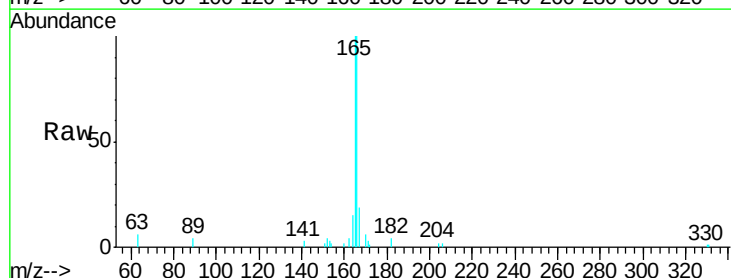
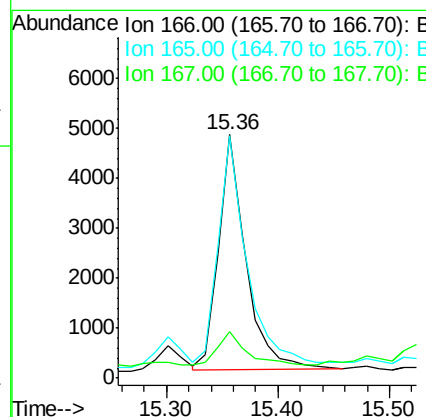
RT: 15.36 min Scan# 1413

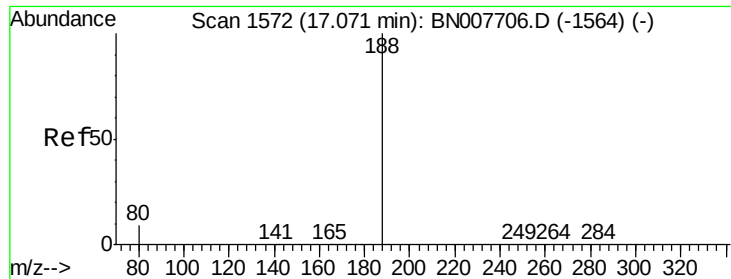
Delta R.T. -0.02 min

Lab File: BN008046.D

Acq: 06 Oct 2019 05:36

Tgt Ion:	166	Resp:	8046
Ion Ratio	Lower	Upper	
166	100		
165	99.9	78.0	117.0
167	15.3	10.9	16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1569

Delta R.T. -0.03 min

Lab File: BN008046.D

Acq: 06 Oct 2019 05:36

Instrument :

BNA_N

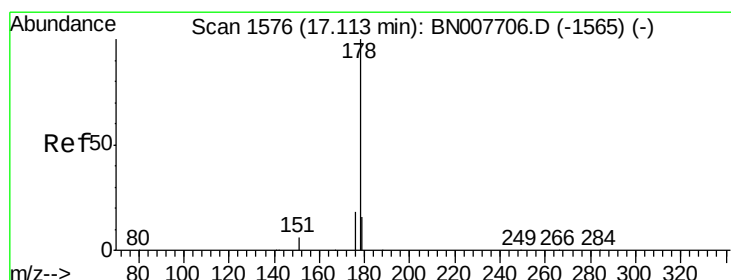
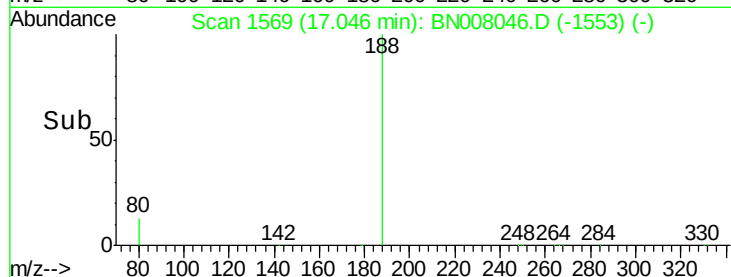
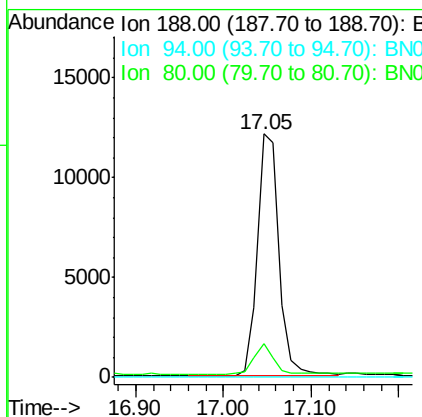
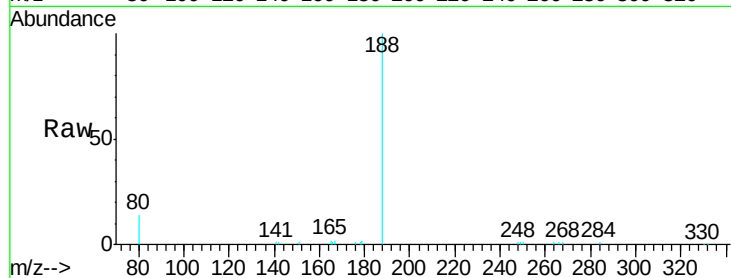
ClientSampleId :

PST-024-SW135-092519DL

Tgt Ion:	188	Resp:	20798
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	14.0	7.4	11.2#

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#23

Phenanthrene

Concen: 2.934 ng

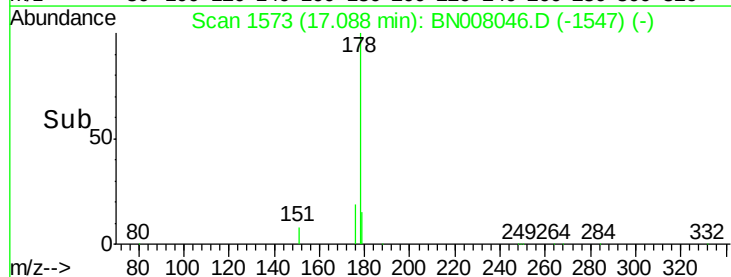
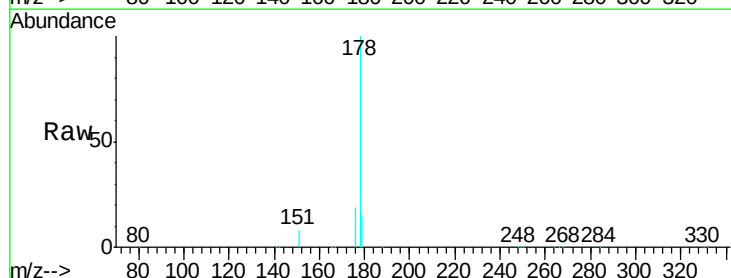
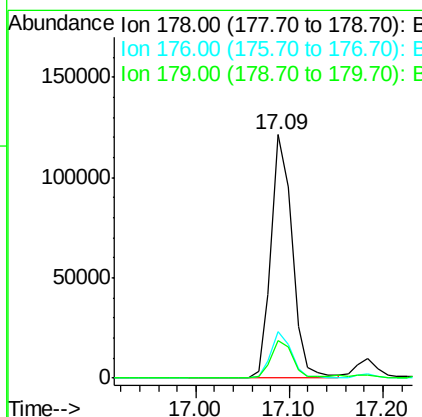
RT: 17.09 min Scan# 1573

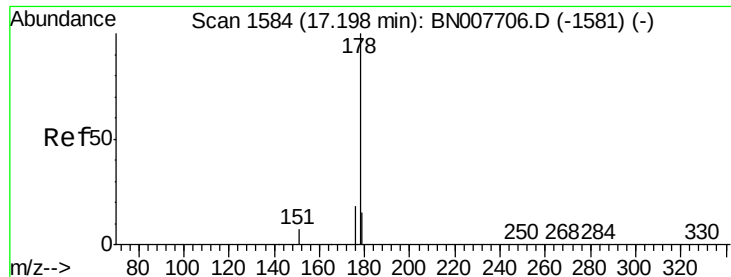
Delta R.T. -0.03 min

Lab File: BN008046.D

Acq: 06 Oct 2019 05:36

Tgt Ion:	178	Resp:	190075
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.9	22.3
179	15.3	12.5	18.7





#24

Anthracene

Concen: 0.236 ng

RT: 17.18 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BN008046.D

Acq: 06 Oct 2019 05:36

Instrument :

BNA_N

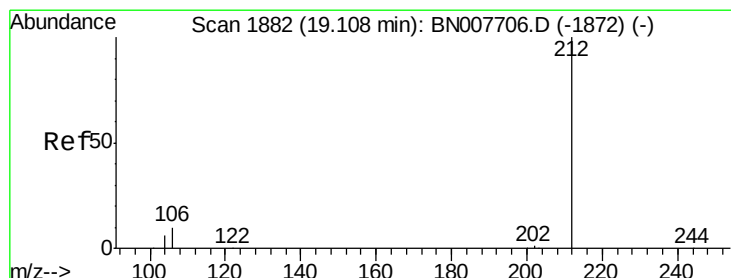
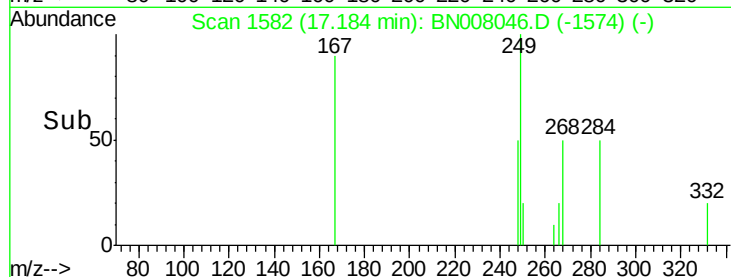
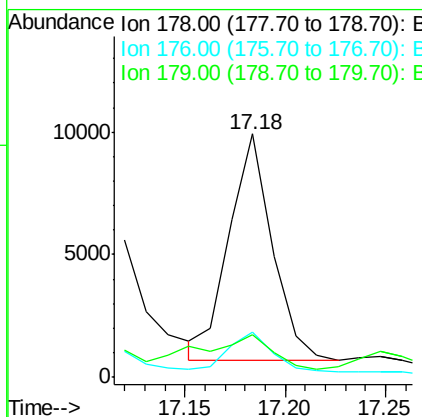
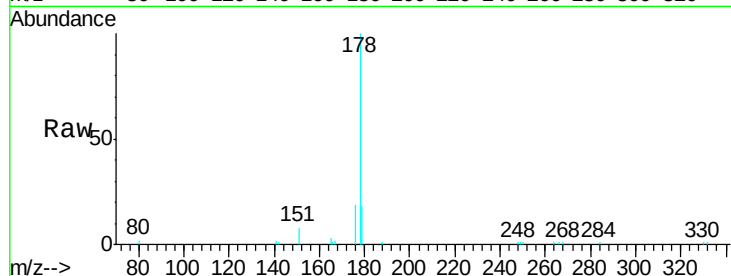
ClientSampleId :

PST-024-SW135-092519DL

Tgt Ion:	178	Resp:	13797
Ion Ratio	Lower	Upper	
178	100		
176	20.0	14.6	21.8
179	24.5	12.2	18.4#

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#25

Fluoranthene-d10

Concen: 0.058 ng

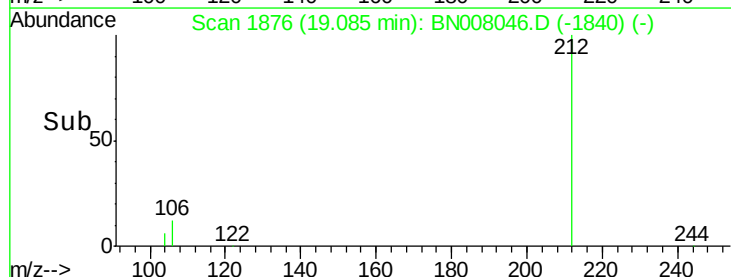
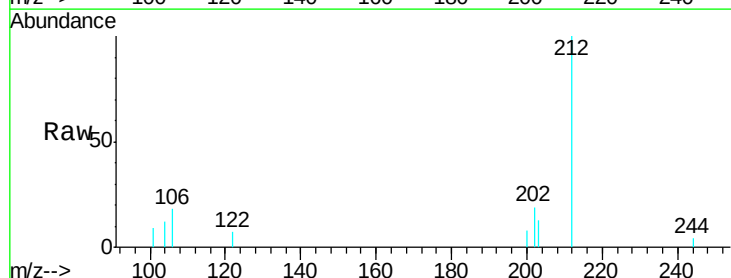
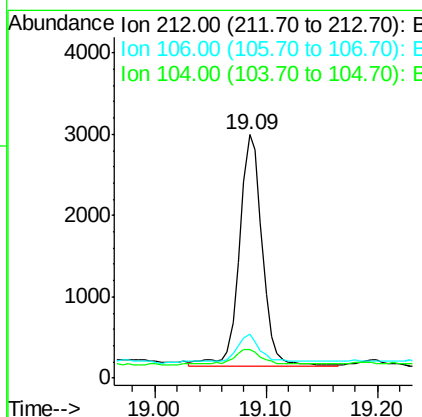
RT: 19.09 min Scan# 1876

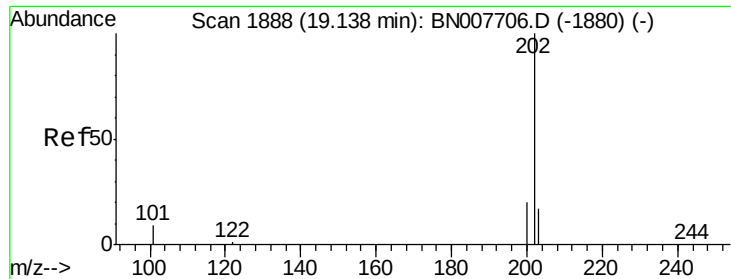
Delta R.T. -0.02 min

Lab File: BN008046.D

Acq: 06 Oct 2019 05:36

Tgt Ion:	212	Resp:	4090
Ion Ratio	Lower	Upper	
212	100		
106	11.4	9.4	14.0
104	8.1	5.3	7.9#





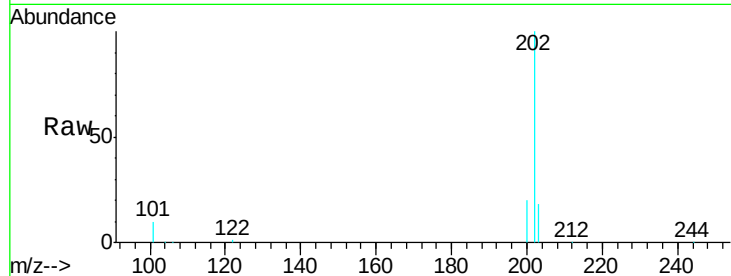
#26
Fluoranthene
Concen: 3.800 ng
RT: 19.11 min Scan# 1882
Delta R.T. -0.02 min
Lab File: BN008046.D
Acq: 06 Oct 2019 05:36

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519DL

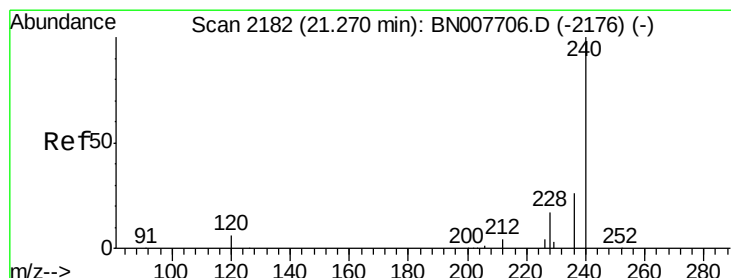
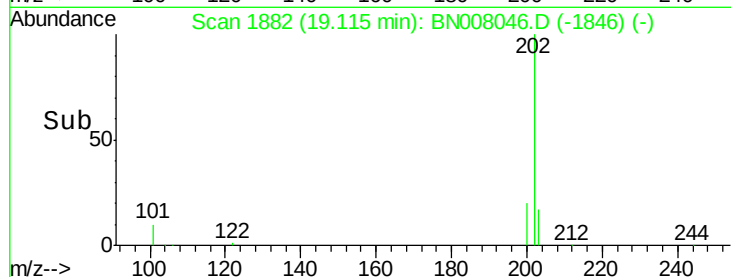
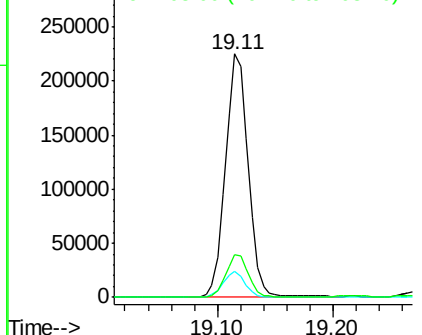
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.1	8.4	12.6
203	17.4	13.8	20.8

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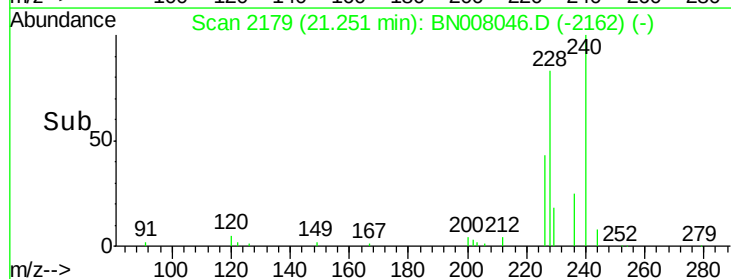
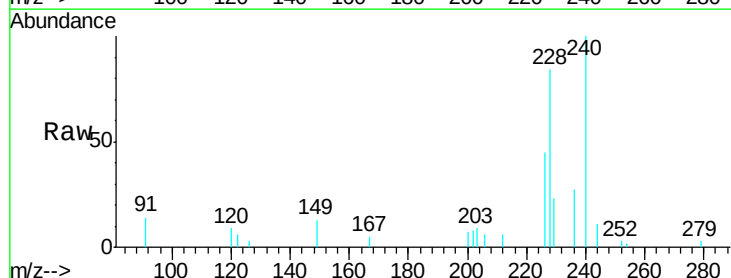
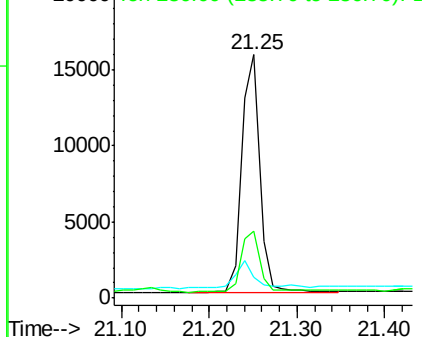
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

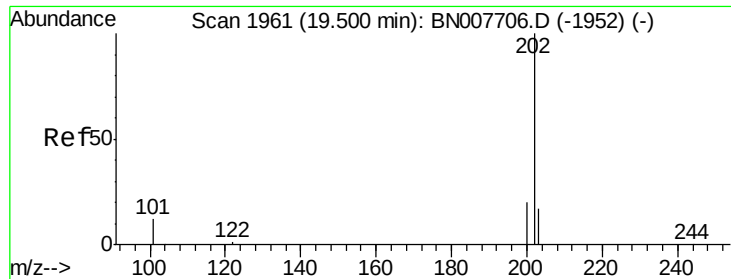


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BN008046.D
Acq: 06 Oct 2019 05:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	8.8	5.4	8.2#
236	27.4	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





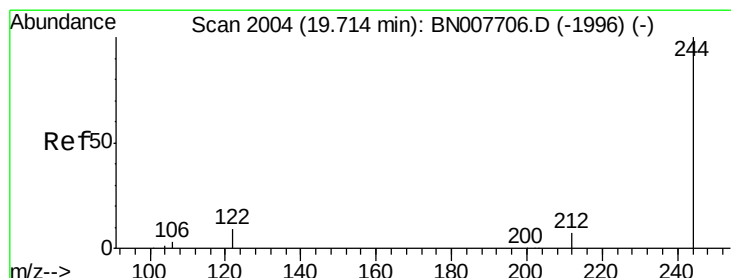
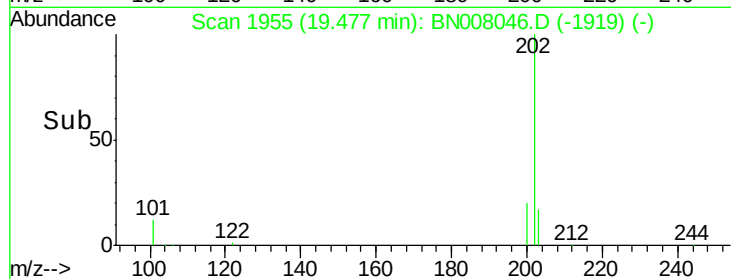
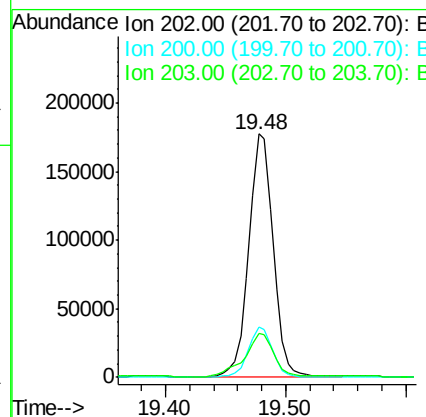
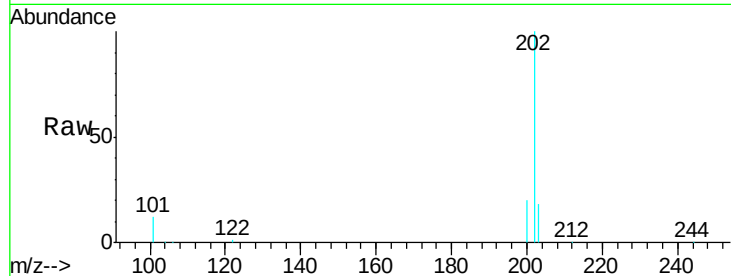
#28
 Pyrene
 Concen: 3.272 ng
 RT: 19.48 min Scan# 1955
 Delta R.T. -0.02 min
 Lab File: BN008046.D
 Acq: 06 Oct 2019 05:36

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW135-092519DL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	249571		
200	20.5	16.4	24.6	
203	21.1	14.1	21.1	

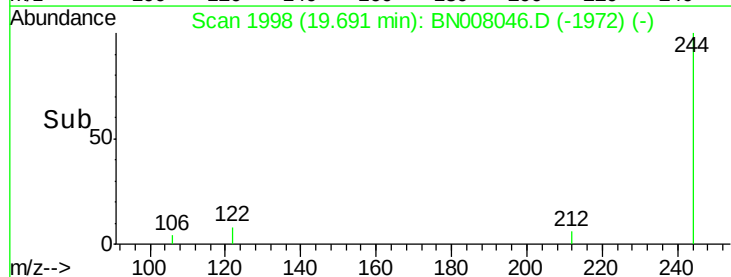
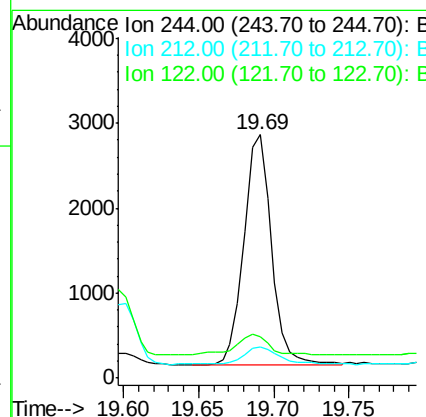
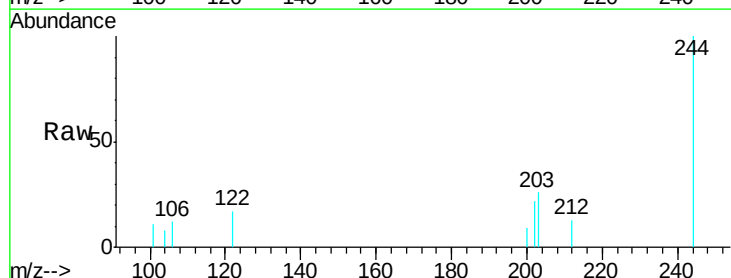
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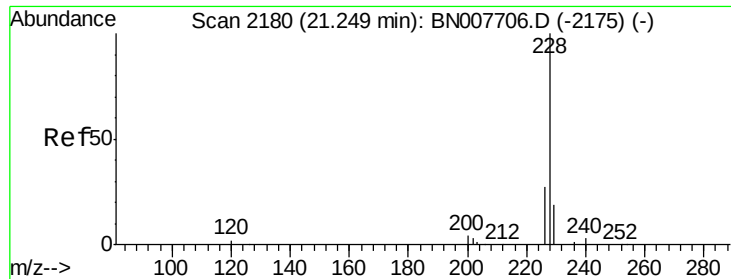
mohammad
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#29
 Terphenyl-d14
 Concen: 0.063 ng
 RT: 19.69 min Scan# 1998
 Delta R.T. -0.02 min
 Lab File: BN008046.D
 Acq: 06 Oct 2019 05:36

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	3450		
212	12.8	5.9	8.9#	
122	17.1	7.4	11.2#	





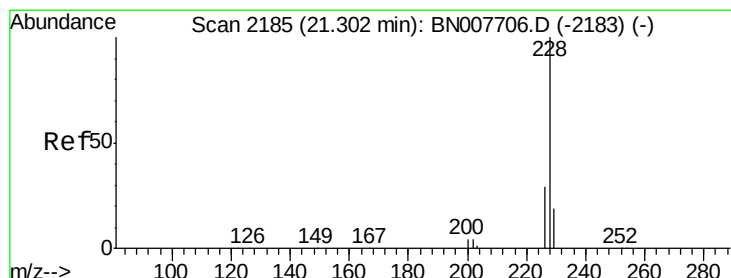
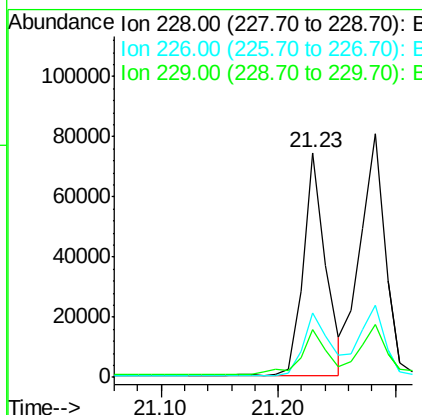
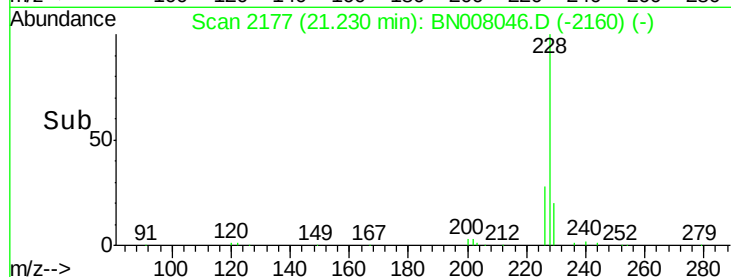
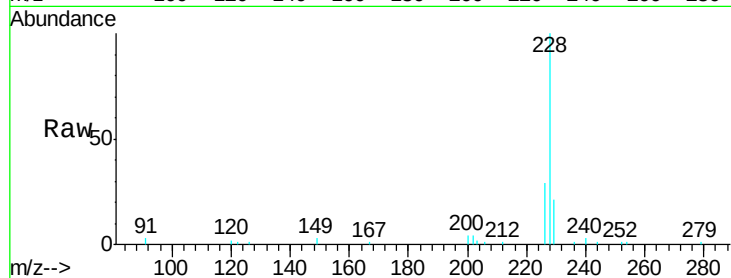
#30
Benzo(a)anthracene
Concen: 1.206 ng
RT: 21.23 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BN008046.D
Acq: 06 Oct 2019 05:36

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.1	33.1
229	21.0	15.8	23.6

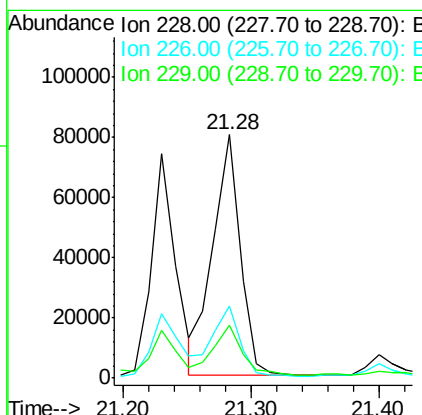
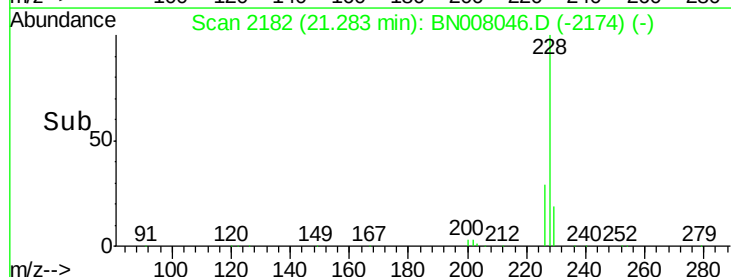
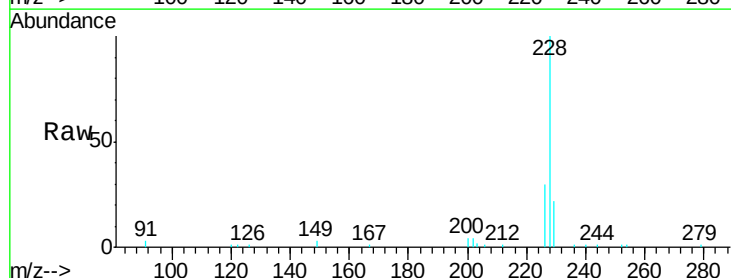
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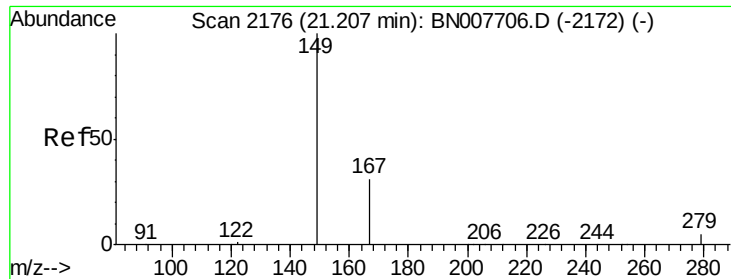
mohammad
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#31
Chrysene
Concen: 1.485 ng
RT: 21.28 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BN008046.D
Acq: 06 Oct 2019 05:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.9	35.9
229	21.9	15.8	23.6





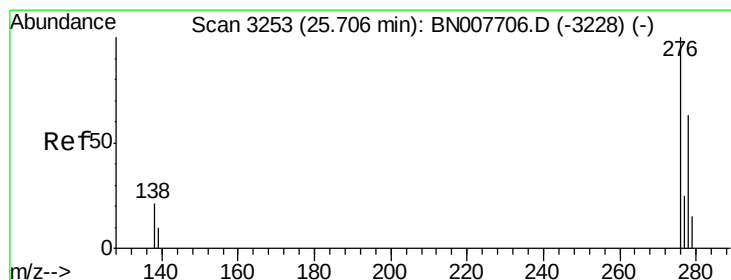
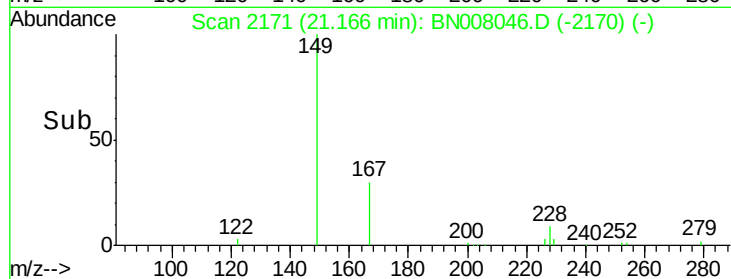
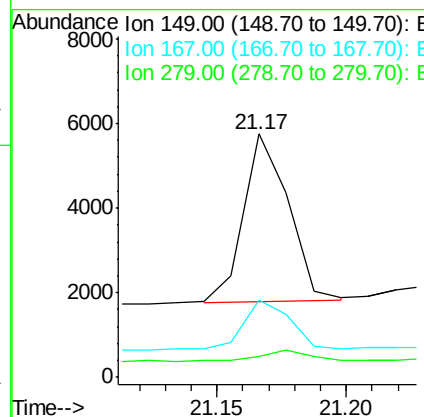
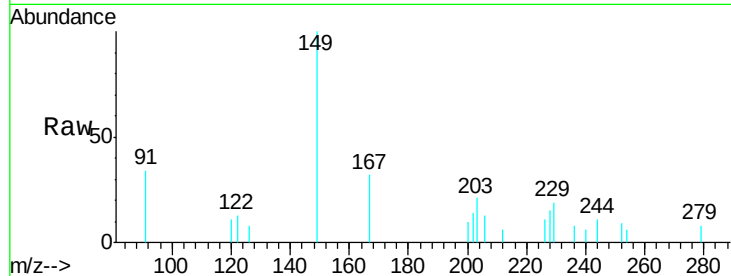
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.113 ng m
 RT: 21.17 min Scan# 2171
 Delta R.T. -0.04 min
 Lab File: BN008046.D
 Acq: 06 Oct 2019 05:36

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW135-092519DL

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.4	23.7	35.5
279	5.9	4.2	6.2

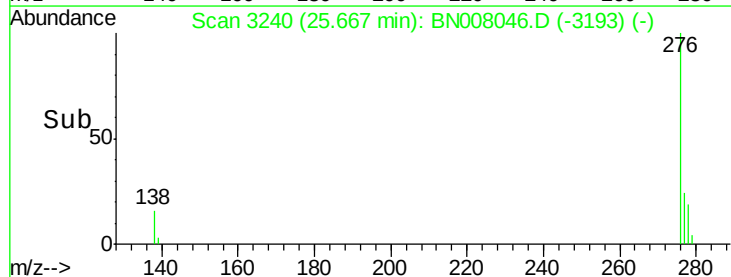
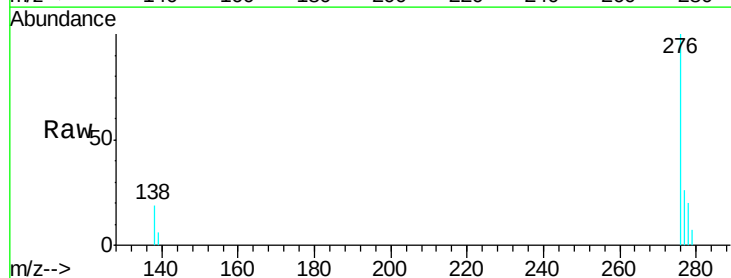
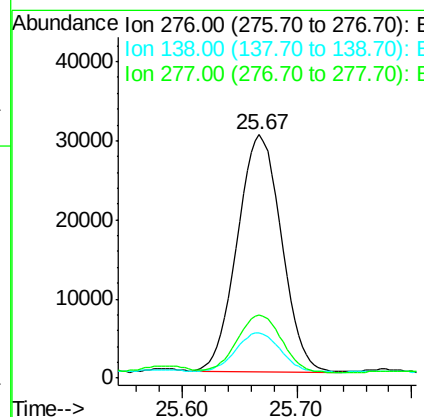
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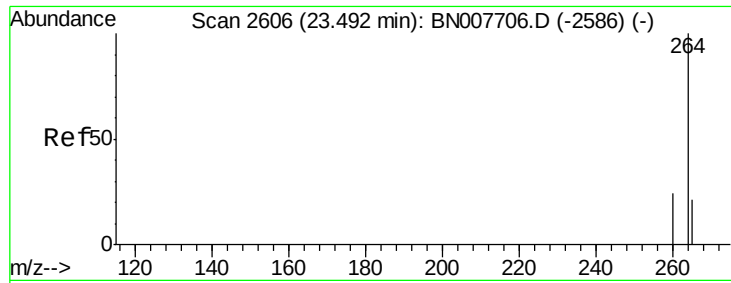
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.800 ng
 RT: 25.67 min Scan# 3240
 Delta R.T. -0.04 min
 Lab File: BN008046.D
 Acq: 06 Oct 2019 05:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.9	17.1	25.7#
277	24.7	20.0	30.0





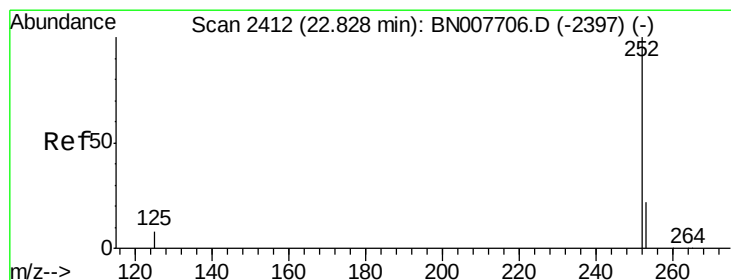
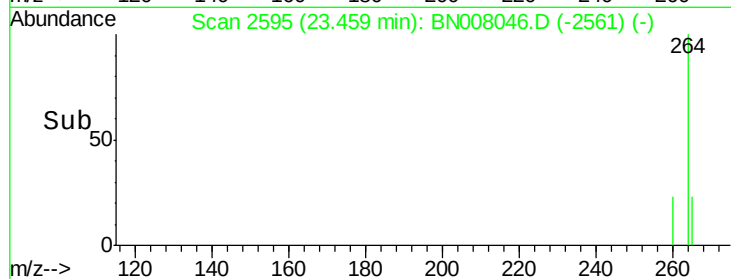
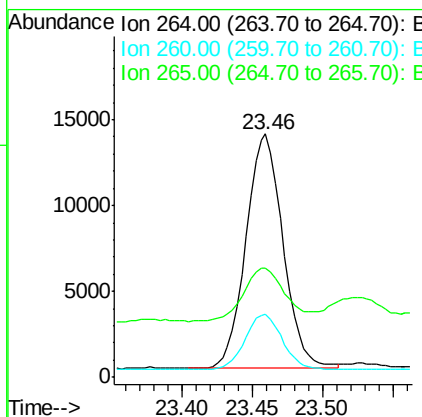
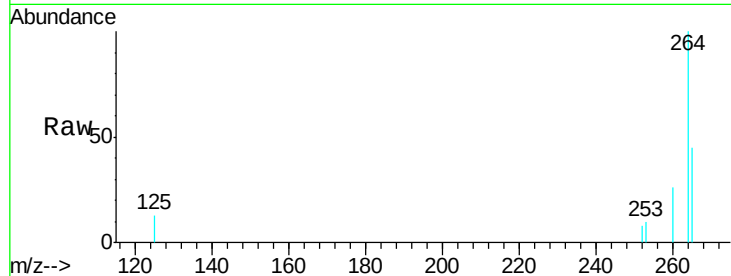
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.46 min Scan# 2595
 Delta R.T. -0.03 min
 Lab File: BN008046.D
 Acq: 06 Oct 2019 05:36

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW135-092519DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.3	28.9
265	45.0	26.9	40.3

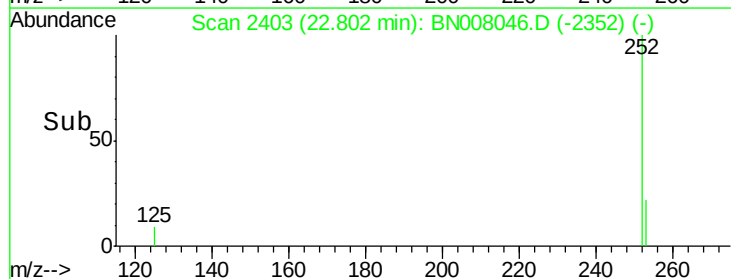
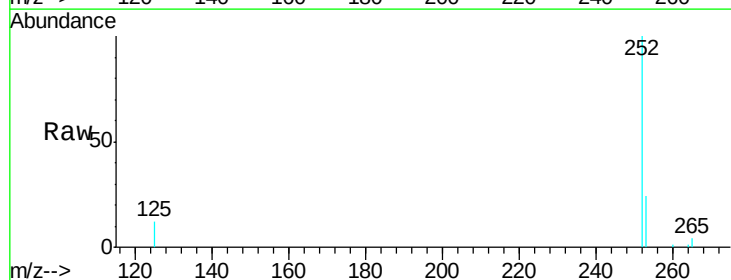
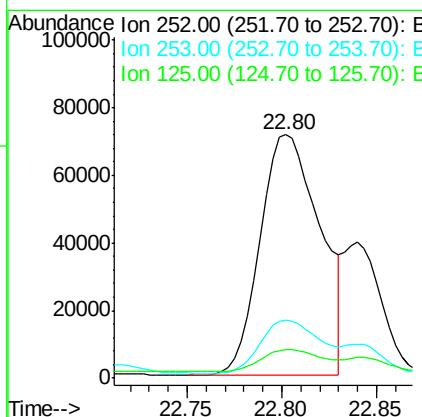
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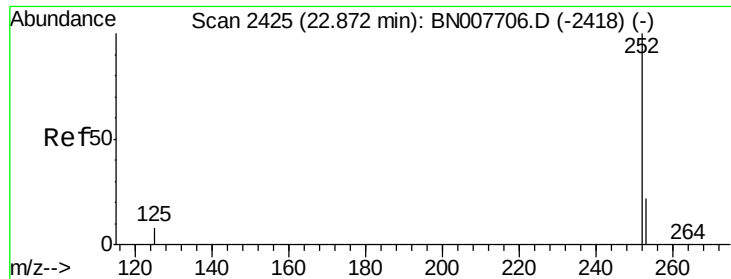
mohammad
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#35
Benzo(b)fluoranthene
 Concen: 1.797 ng
 RT: 22.80 min Scan# 2403
 Delta R.T. -0.03 min
 Lab File: BN008046.D
 Acq: 06 Oct 2019 05:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.3	27.5
125	11.5	8.2	12.4





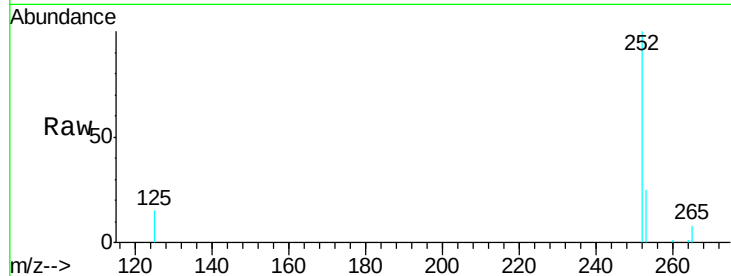
#36
Benzo(k)fluoranthene
Concen: 0.648 ng m
RT: 22.84 min Scan# 2414
Delta R.T. -0.03 min
Lab File: BN008046.D
Acq: 06 Oct 2019 05:36

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519DL

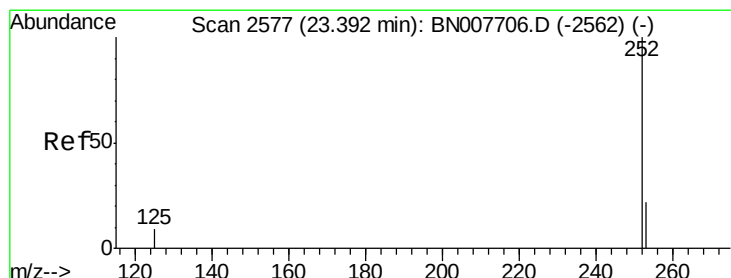
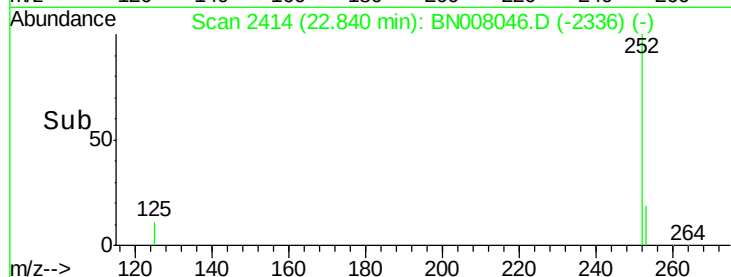
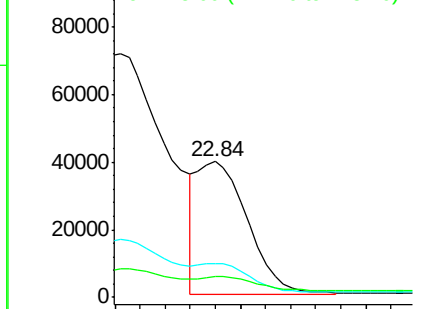
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.5	27.7
125	15.3	8.4	12.6

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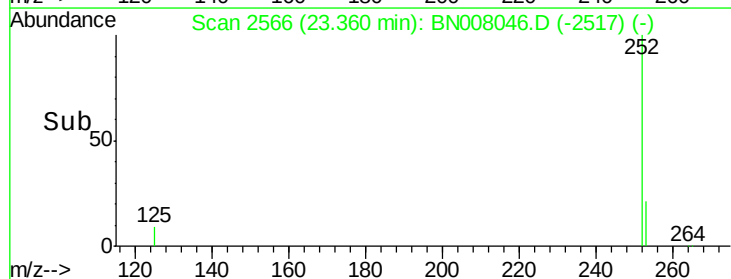
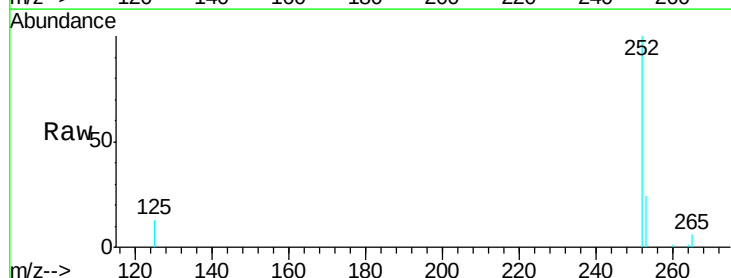
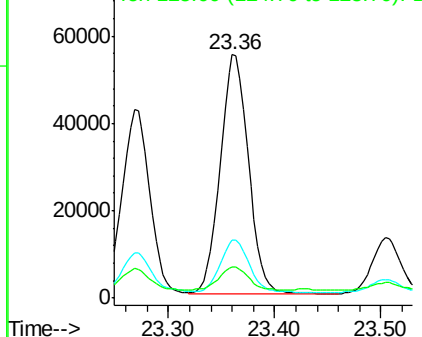
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

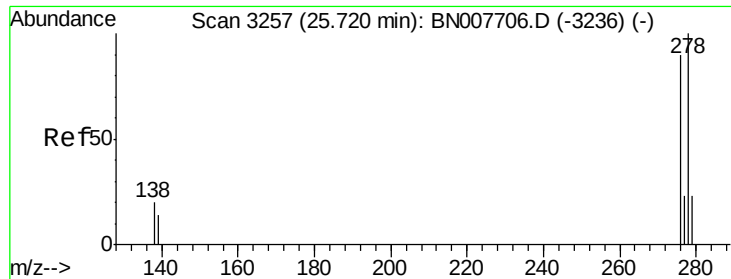


#37
Benzo(a)pyrene
Concen: 1.227 ng
RT: 23.36 min Scan# 2566
Delta R.T. -0.03 min
Lab File: BN008046.D
Acq: 06 Oct 2019 05:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.6	27.8
125	12.9	9.4	14.0

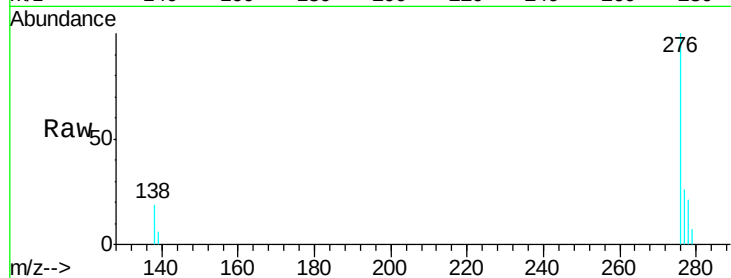
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#38
 Dibenzo(a,h)anthracene
 Concen: 0.219 ng
 RT: 25.67 min Scan# 3241
 Delta R.T. -0.05 min
 Lab File: BN008046.D
 Acq: 06 Oct 2019 05:36

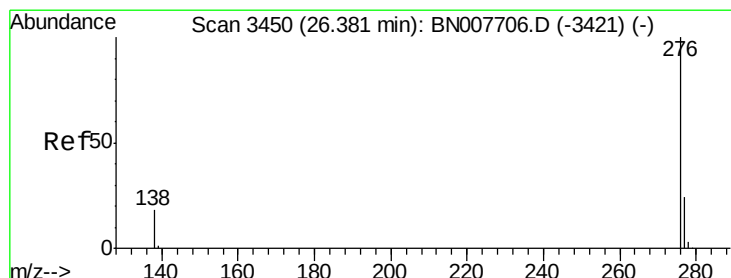
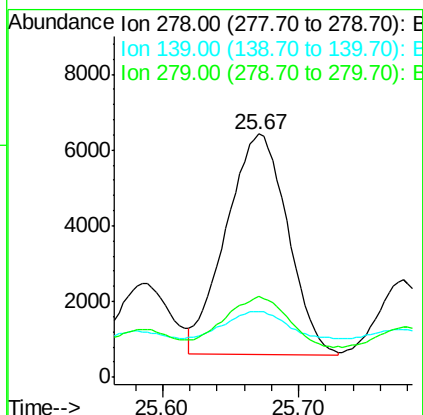
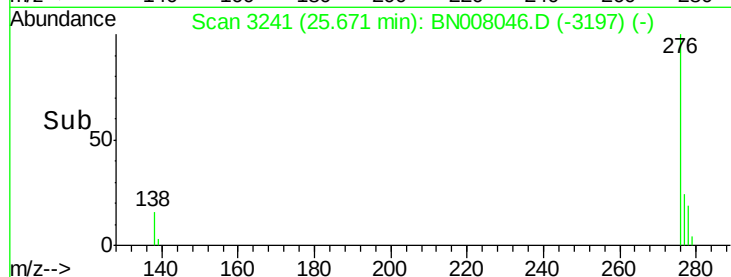
Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW135-092519DL



Tgt Ion: 278 Resp: 18337
 Ion Ratio Lower Upper
 278 100
 139 27.2 11.8 17.6#
 279 33.1 19.4 29.2#

Manual Integrations
 APPROVED

mohammad
 10/7/2019 4:40:30 PM



#39
 Benzo(g,h,i)perylene
 Concen: 0.967 ng
 RT: 26.34 min Scan# 3437
 Delta R.T. -0.04 min
 Lab File: BN008046.D
 Acq: 06 Oct 2019 05:36

Tgt Ion: 276 Resp: 80256
 Ion Ratio Lower Upper
 276 100
 277 25.7 19.8 29.8
 138 19.3 15.1 22.7

