

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
 Data File : BN008045.D
 Acq On : 06 Oct 2019 05:00
 Operator : JU
 Sample : K5078-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW128-092519

Manual Integrations
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 10/7/2019 4:40:28 PM

Quant Time: Oct 07 07:27:25 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	4039	0.40	ng	-0.02
7) Naphthalene-d8	10.44	136	16298	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	10352	0.40	ng	-0.03
19) Phenanthrene-d10	17.06	188	21549	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	22752	0.40	ng	-0.02
34) Perylene-d12	23.46	264	25324	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.30	112	2544	0.18	ng	-0.02
5) Phenol-d6	6.87	99	3267	0.19	ng	0.00
8) Nitrobenzene-d5	8.82	82	2930	0.21	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	6171	0.22	ng	-0.02
14) 2,4,6-Tribromophenol	15.80	330	1158	0.21	ng	-0.02
15) 2-Fluorobiphenyl	12.93	172	8251	0.19	ng	-0.02
25) Fluoranthene-d10	19.08	212	15757	0.22	ng	-0.02
29) Terphenyl-d14	19.69	244	12759	0.23	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	1659	0.036	ng	# 77
12) 2-Methylnaphthalene	12.11	142	858	0.028	ng	# 86
16) Acenaphthylene	14.02	152	15642	0.285	ng	99
17) Acenaphthene	14.36	154	971	0.027	ng	# 92
18) Fluorene	15.36	166	2554	0.056	ng	# 12
23) Phenanthrene	17.09	178	35020	0.522	ng	99
24) Anthracene	17.18	178	9206	0.152	ng	99
26) Fluoranthene	19.11	202	71085	0.852	ng	99
28) Pyrene	19.48	202	81325	1.048	ng	97
30) Benzo(a)anthracene	21.23	228	35748m	0.427	ng	
31) Chrysene	21.28	228	45842	0.561	ng	96
32) Bis(2-ethylhexyl)phthalate	21.17	149	38635m	0.897	ng	
33) Indeno(1,2,3-cd)pyrene	25.67	276	28953	0.283	ng	# 95
35) Benzo(b)fluoranthene	22.80	252	55564	0.632	ng	# 80
36) Benzo(k)fluoranthene	22.84	252	15716m	0.181	ng	
37) Benzo(a)pyrene	23.36	252	37284	0.451	ng	# 83
38) Dibenzo(a,h)anthracene	25.67	278	7096	0.084	ng	# 35
39) Benzo(g,h,i)perylene	26.34	276	31597	0.378	ng	# 90

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

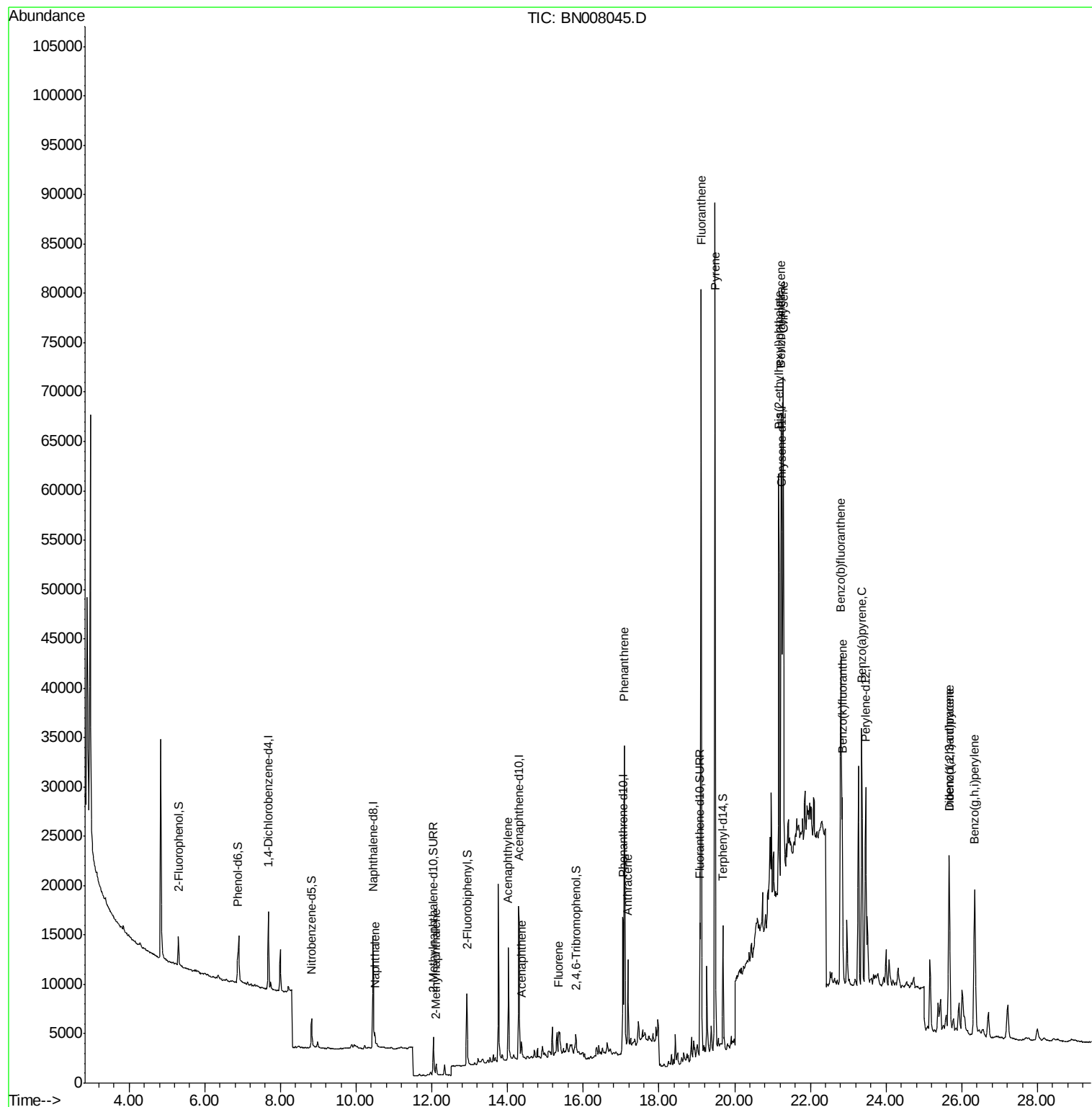
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
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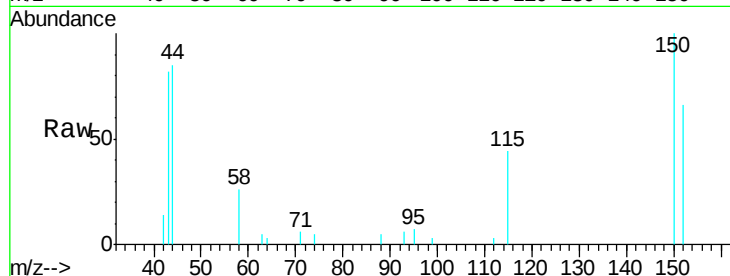




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 602
Delta R.T. -0.02 min
Lab File: BN008045.D
Acq: 06 Oct 2019 05:00

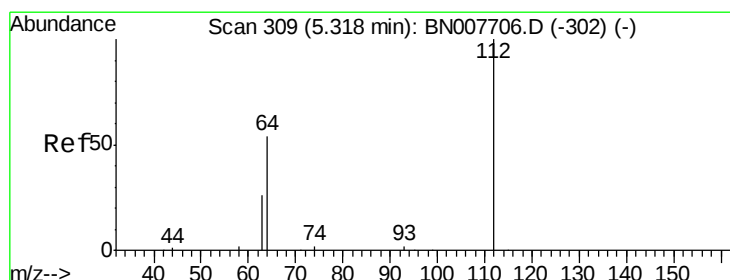
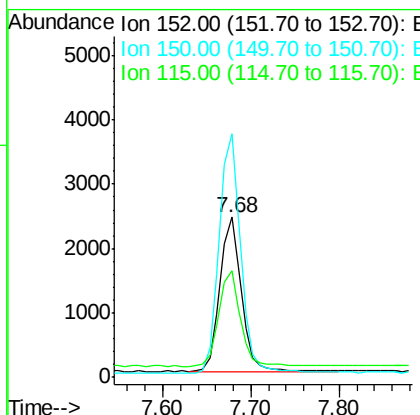
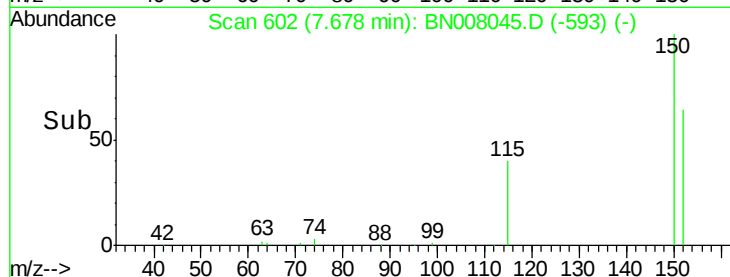
Instrument :
BNA_N
ClientSampleId :
PST-024-SW128-092519



Tgt Ion:152 Resp: 4039
Ion Ratio Lower Upper
152 100
150 151.9 125.6 188.4
115 66.7 53.3 79.9

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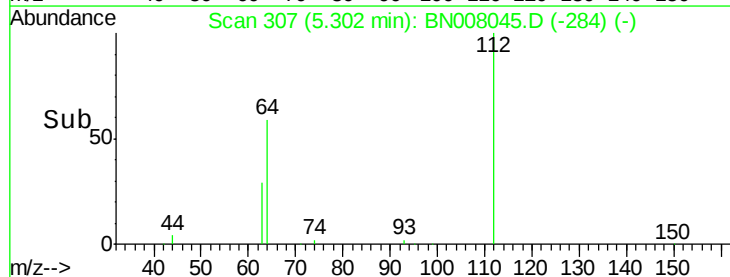
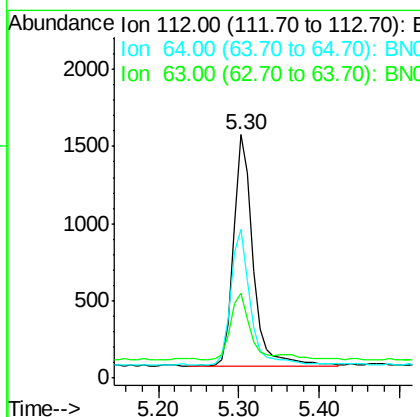
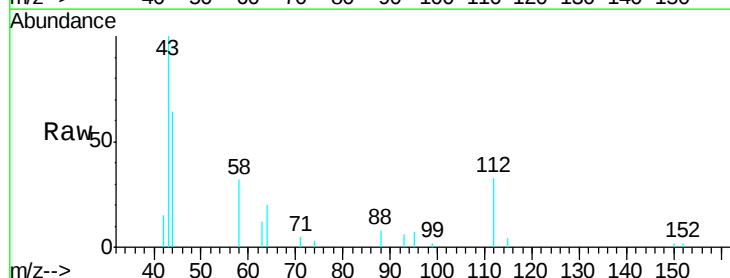
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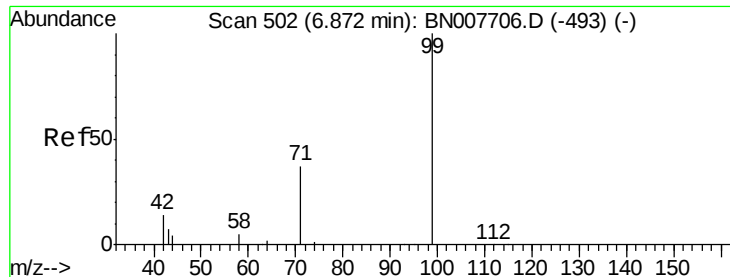


#4

2-Fluorophenol
Concen: 0.183 ng
RT: 5.30 min Scan# 307
Delta R.T. -0.02 min
Lab File: BN008045.D
Acq: 06 Oct 2019 05:00

Tgt Ion:112 Resp: 2544
Ion Ratio Lower Upper
112 100
64 58.4 46.6 70.0
63 28.2 23.1 34.7





#5

Phenol-d6

Concen: 0.185 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Instrument :

BNA_N

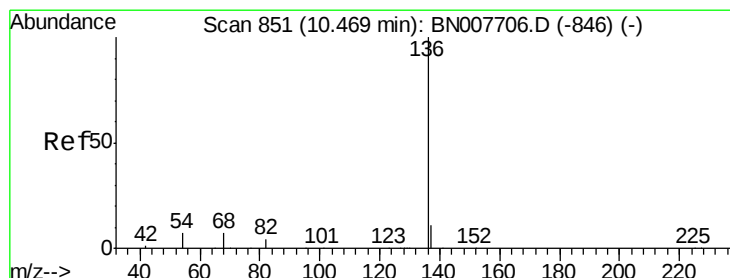
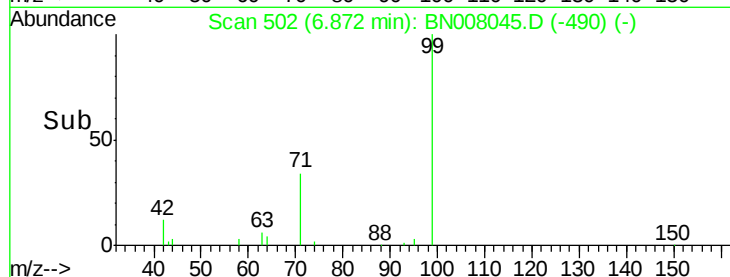
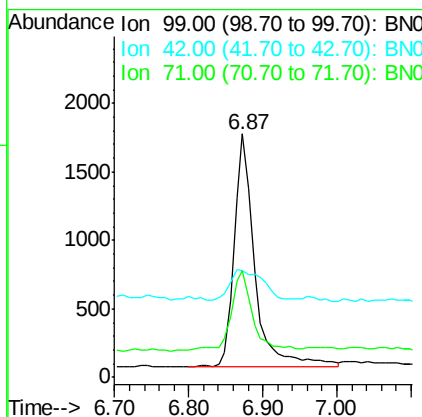
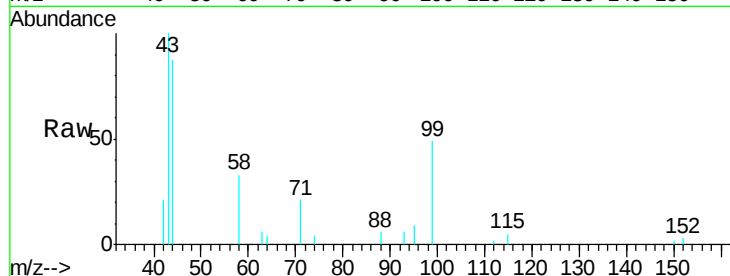
ClientSampleId :

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Tgt Ion:	99	Resp:	3267
Ion Ratio	Lower	Upper	
99	100		
42	20.9	12.8	19.2#
71	36.3	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

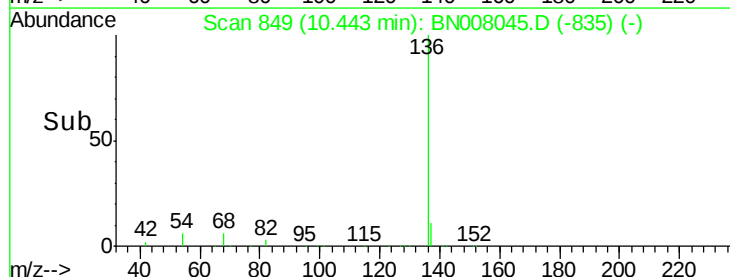
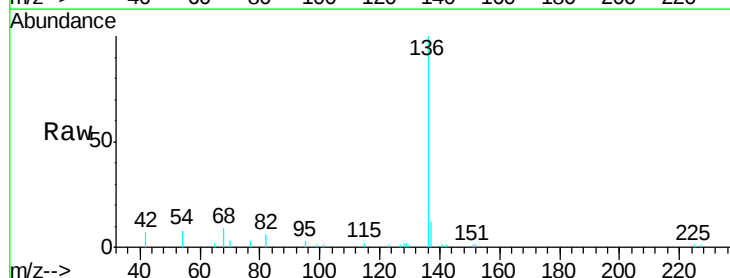
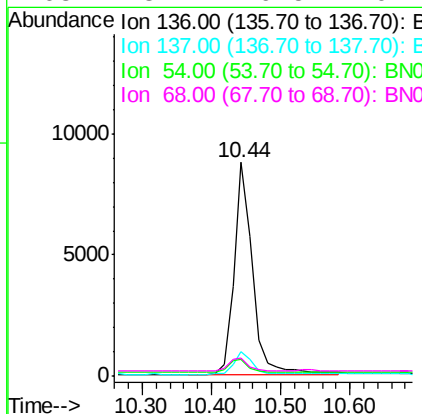
RT: 10.44 min Scan# 849

Delta R.T. -0.03 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Tgt Ion:	136	Resp:	16298
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.2	13.8
54	7.6	5.8	8.8
68	8.7	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.206 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Instrument :

BNA_N

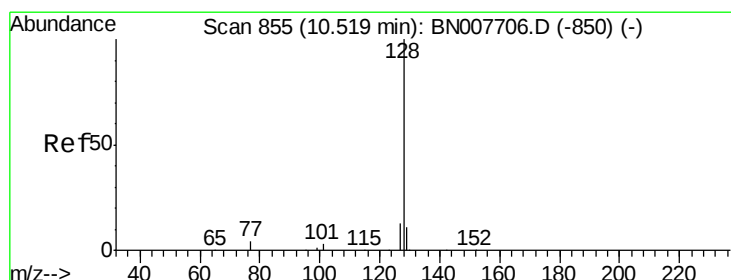
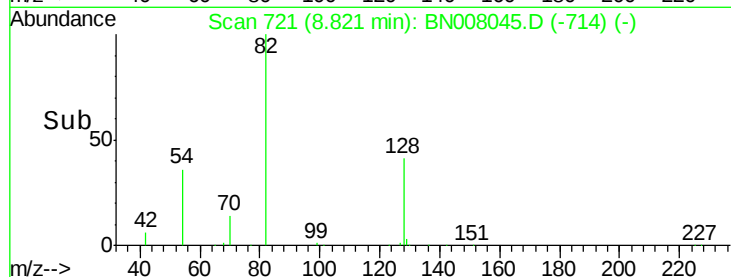
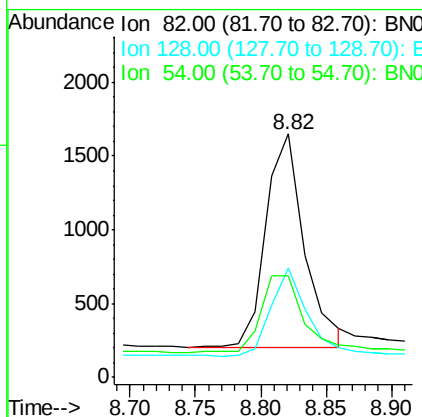
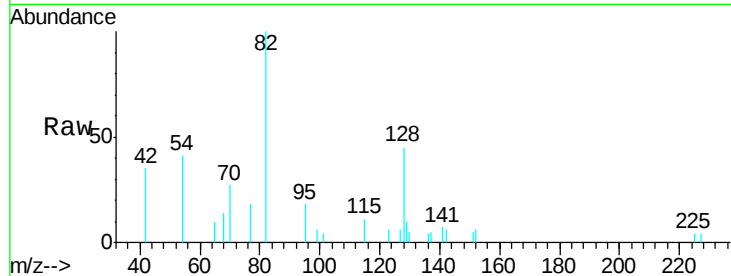
ClientSampleId :

PST-024-SW128-092519

Tgt Ion:	82	Resp:	2930
Ion Ratio	Lower	Upper	
82	100		
128	44.8	24.5	36.7#
54	41.4	35.2	52.8

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#9

Naphthalene

Concen: 0.036 ng

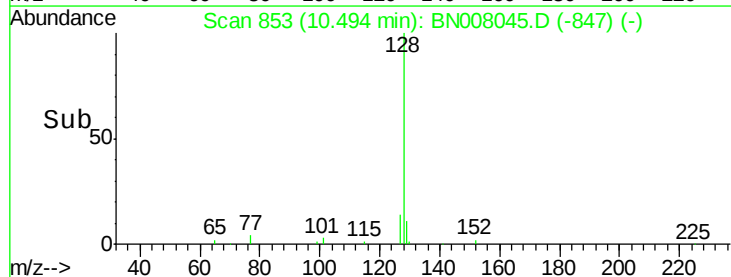
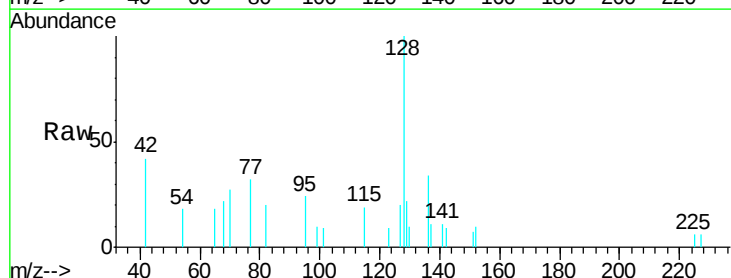
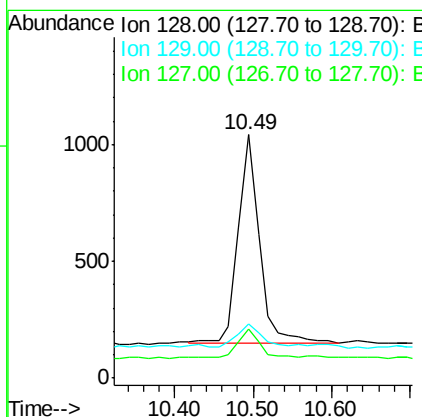
RT: 10.49 min Scan# 853

Delta R.T. -0.03 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Tgt Ion:	128	Resp:	1659
Ion Ratio	Lower	Upper	
128	100		
129	22.5	9.1	13.7#
127	20.2	10.6	15.8#





#11

2-Methylnaphthalene-d10

Concen: 0.225 ng

RT: 12.04 min Scan# 1053

Delta R.T. -0.02 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Instrument :

BNA_N

ClientSampleId :

PST-024-SW128-092519

Tgt Ion:152 Resp: 6171

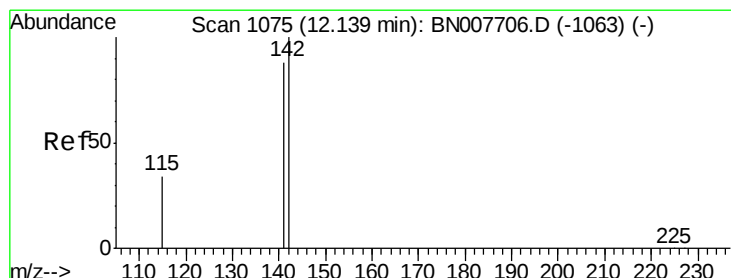
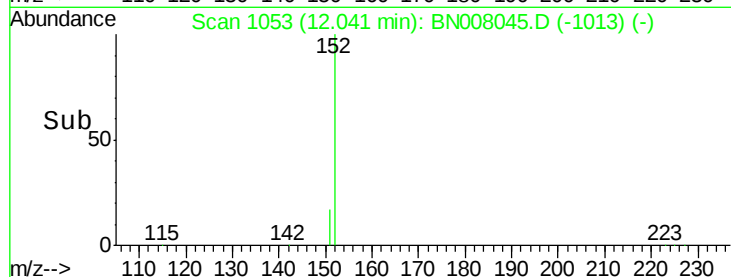
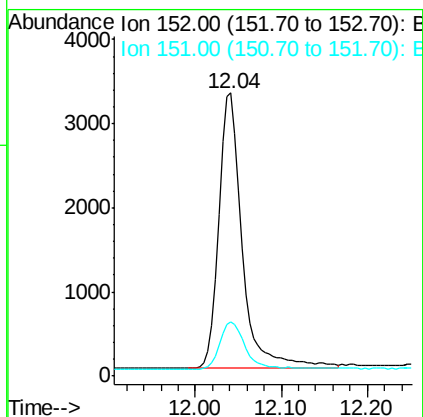
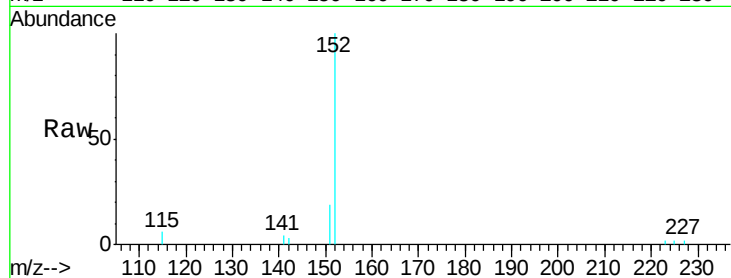
Ion Ratio Lower Upper

152 100

151 18.5 15.4 23.2

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#12

2-Methylnaphthalene

Concen: 0.028 ng

RT: 12.11 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

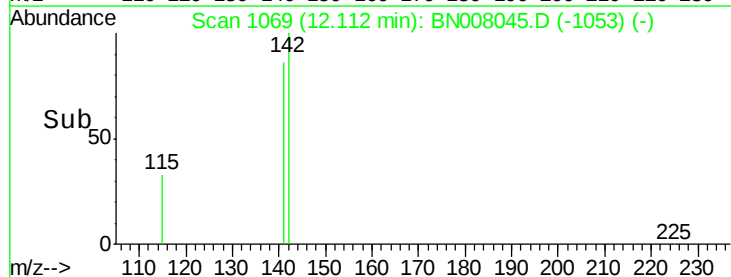
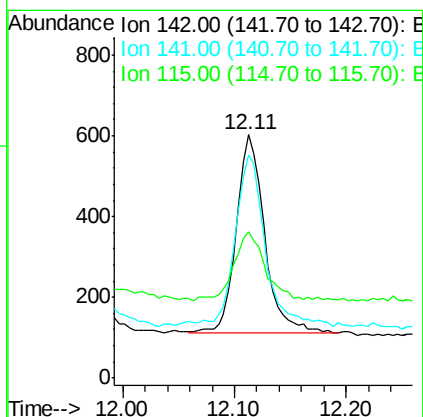
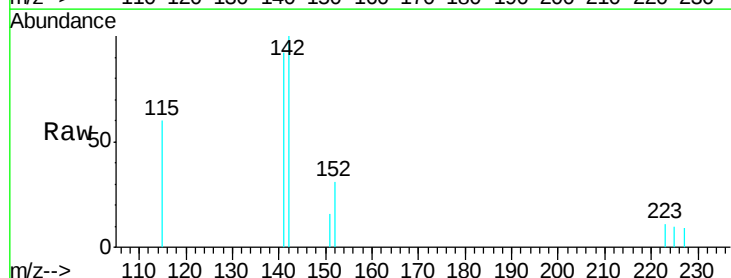
Tgt Ion:142 Resp: 858

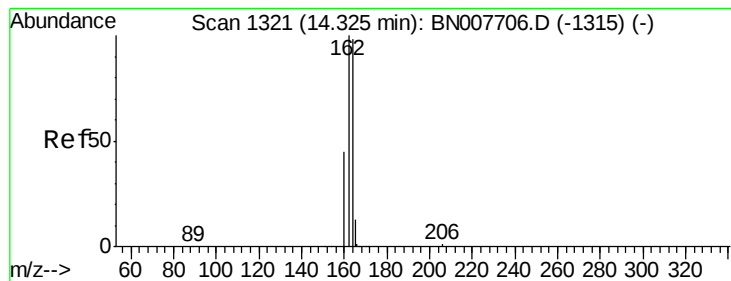
Ion Ratio Lower Upper

142 100

141 91.5 70.6 106.0

115 59.9 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: BN008045.D

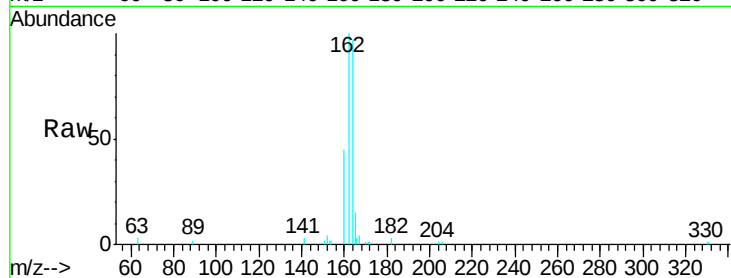
Acq: 06 Oct 2019 05:00

Instrument :

BNA_N

ClientSampleId :

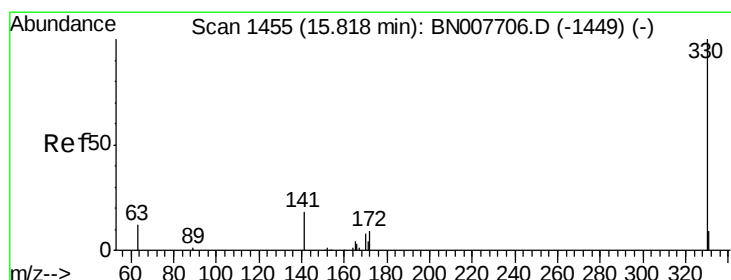
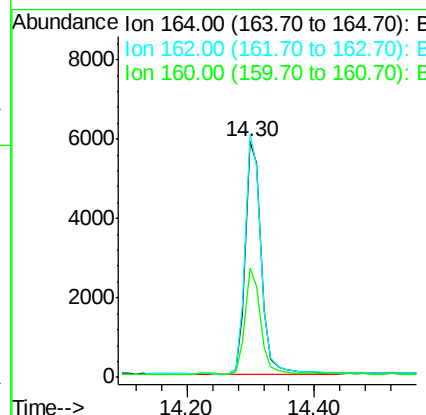
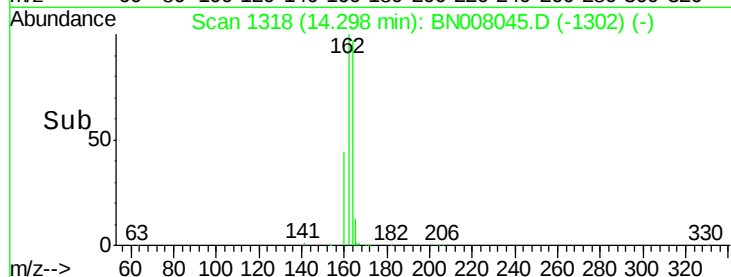
PST-024-SW128-092519



Tgt Ion:	164	Resp:	10352
Ion Ratio	Lower	Upper	
164	100		
162	103.3	81.7	122.5
160	46.6	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.205 ng

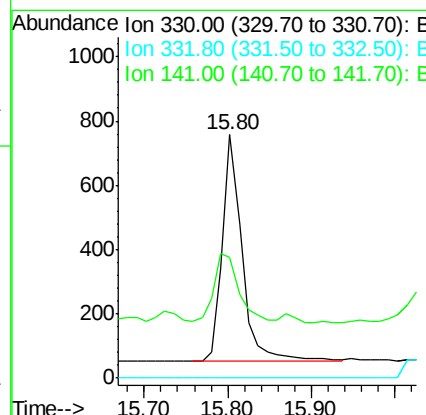
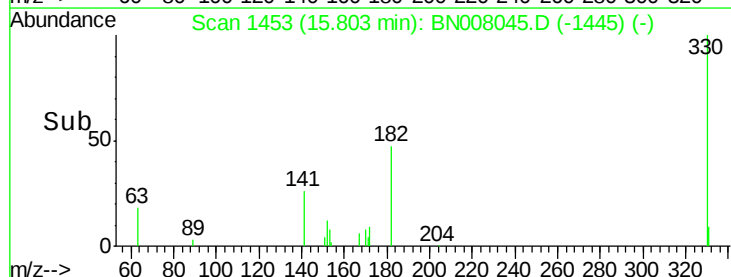
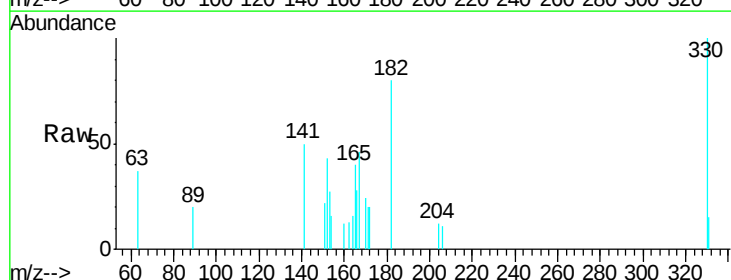
RT: 15.80 min Scan# 1453

Delta R.T. -0.02 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Tgt Ion:	330	Resp:	1158
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	37.7	28.7	43.1





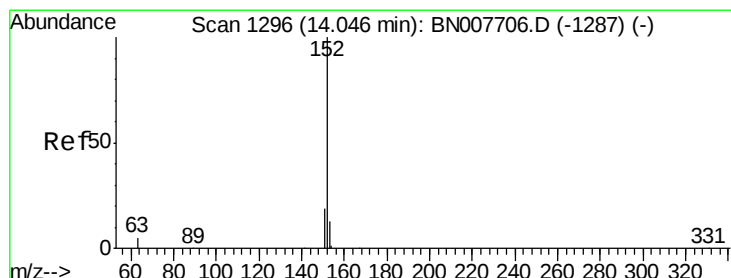
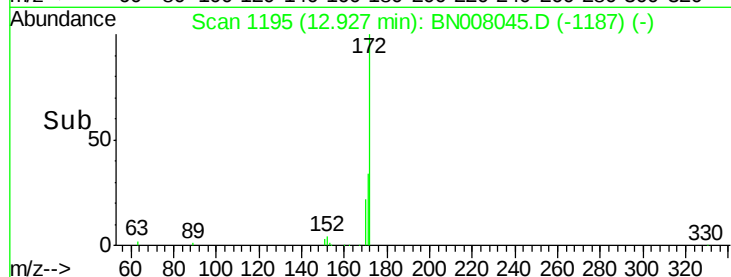
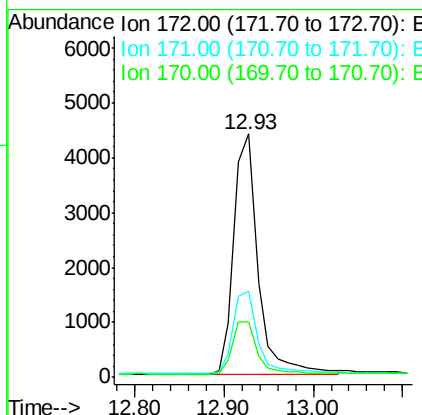
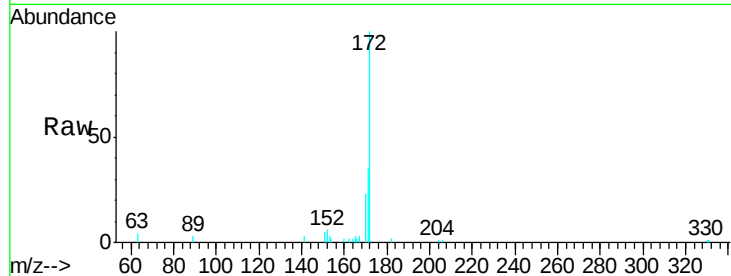
#15
2-Fluorobiphenyl
Concen: 0.194 ng
RT: 12.93 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN008045.D
Acq: 06 Oct 2019 05:00

Instrument :
BNA_N
ClientSampleId :
PST-024-SW128-092519

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.8	43.2
170	22.9	19.5	29.3

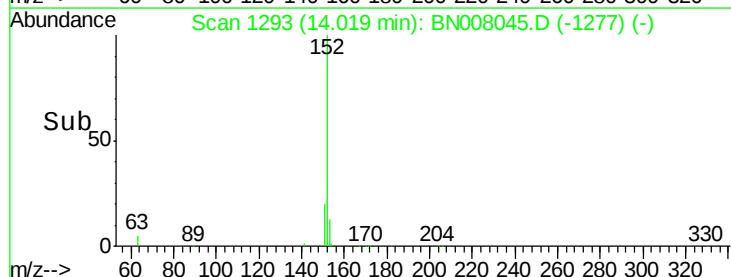
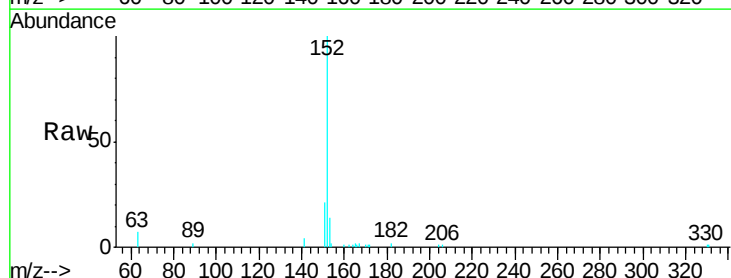
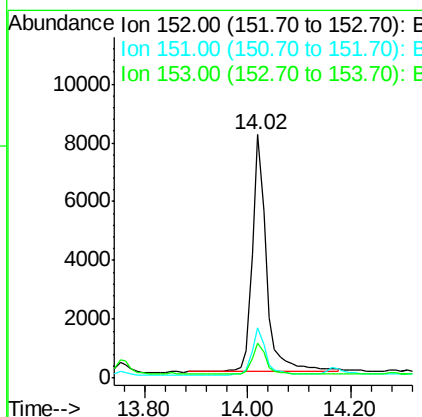
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#16
Acenaphthylene
Concen: 0.285 ng
RT: 14.02 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BN008045.D
Acq: 06 Oct 2019 05:00

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





#17

Acenaphthene

Concen: 0.027 ng

RT: 14.36 min Scan# 1324

Delta R.T. -0.03 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Instrument :

BNA_N

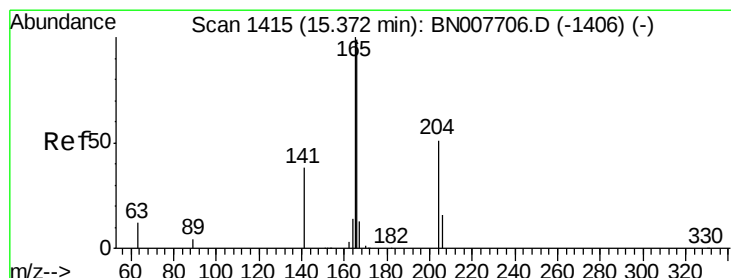
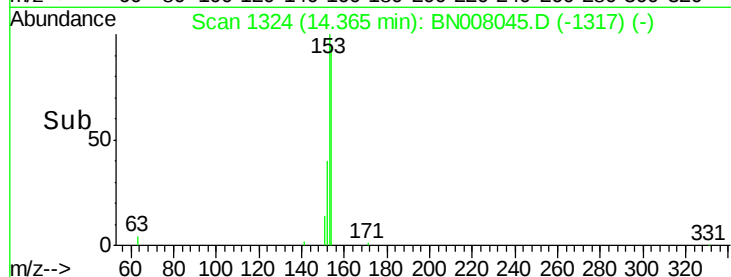
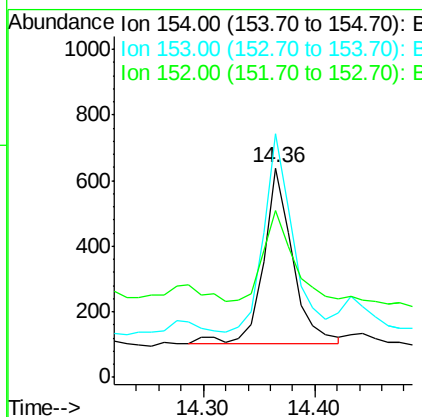
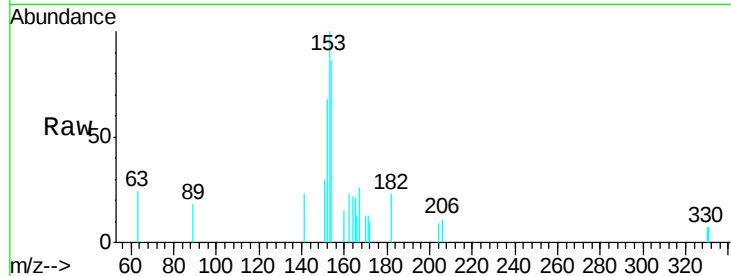
ClientSampleId :

PST-024-SW128-092519

Tgt Ion:	154	Resp:	971
Ion Ratio	Lower	Upper	
154	100		
153	111.6	87.0	130.4
152	67.6	42.7	64.1

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#18

Fluorene

Concen: 0.056 ng

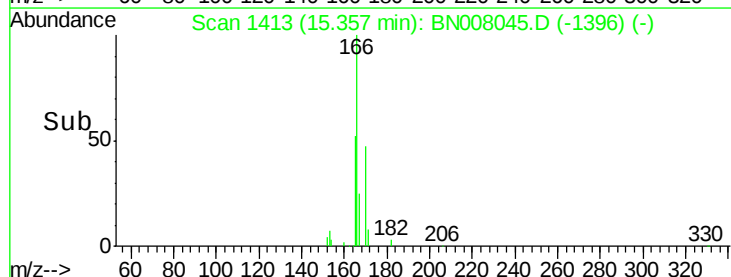
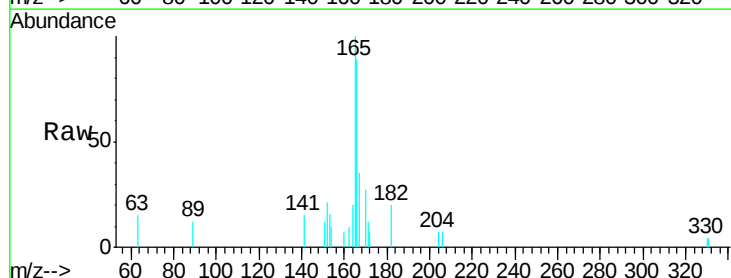
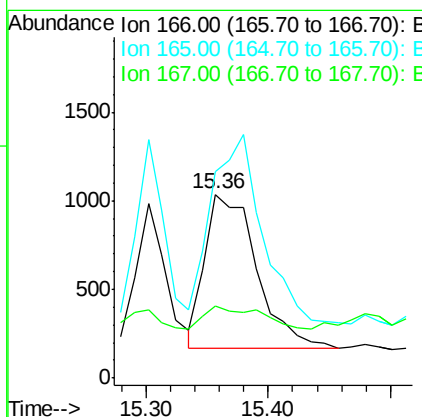
RT: 15.36 min Scan# 1413

Delta R.T. -0.02 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Tgt Ion:	166	Resp:	2554
Ion Ratio	Lower	Upper	
166	100		
165	0.0	78.0	117.0
167	16.2	10.9	16.3





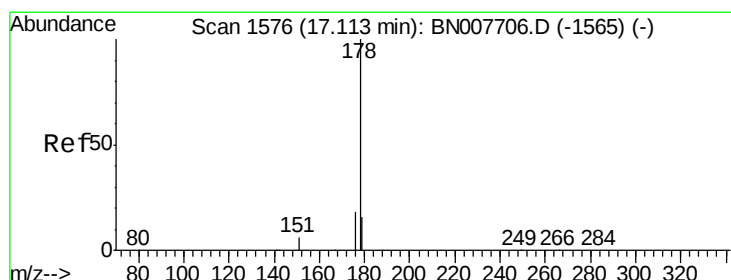
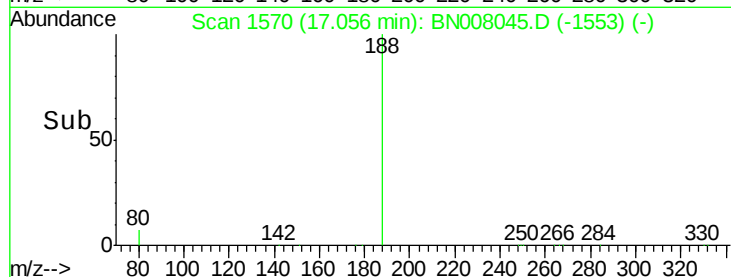
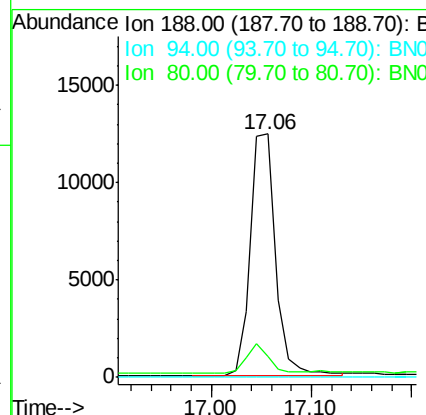
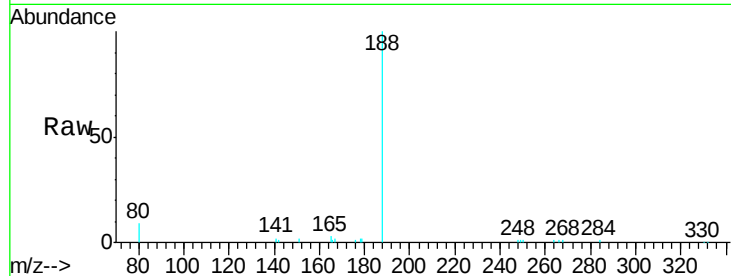
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BN008045.D
Acq: 06 Oct 2019 05:00

Instrument :
BNA_N
ClientSampleId :
PST-024-SW128-092519

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	21549		
94	0.0	0.0	0.0	
80	8.6	7.4	11.2	

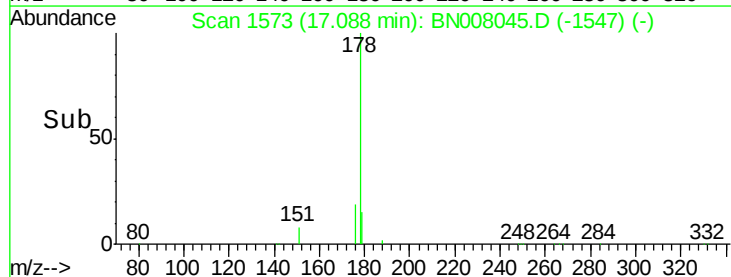
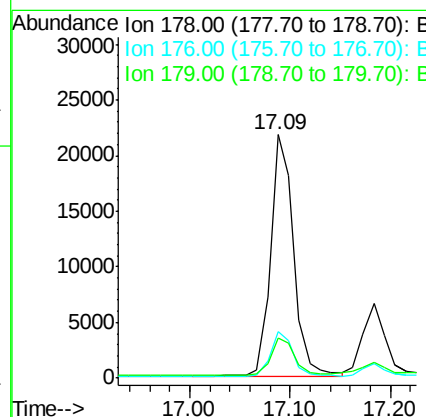
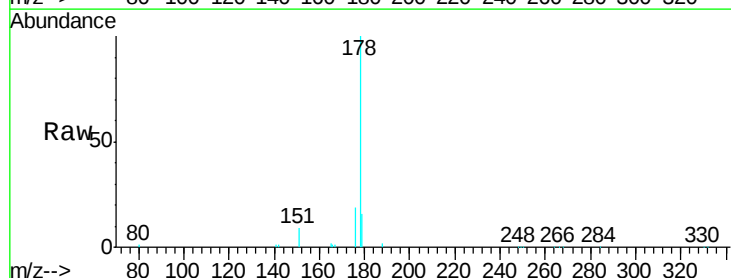
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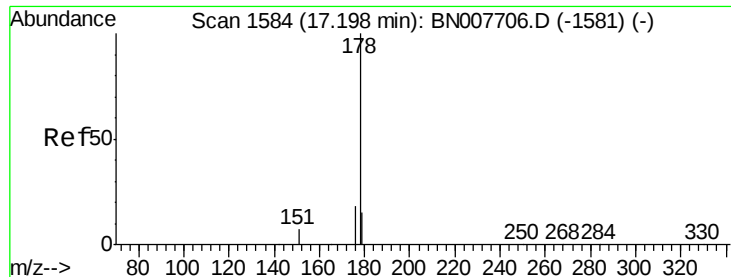
mohammad
10/7/2019 4:40:28 PM



#23
Phenanthrene
Concen: 0.522 ng
RT: 17.09 min Scan# 1573
Delta R.T. -0.03 min
Lab File: BN008045.D
Acq: 06 Oct 2019 05:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	35020		
176	18.6	14.9	22.3	
179	16.5	12.5	18.7	





#24

Anthracene

Concen: 0.152 ng

RT: 17.18 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Instrument :

BNA_N

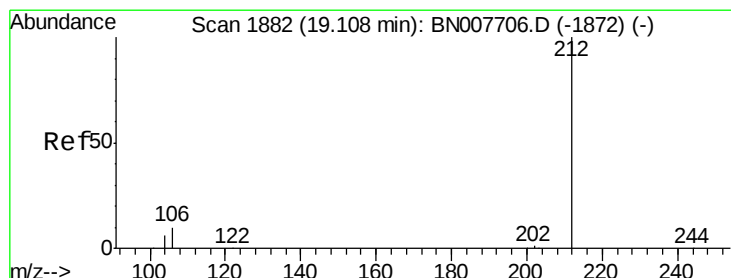
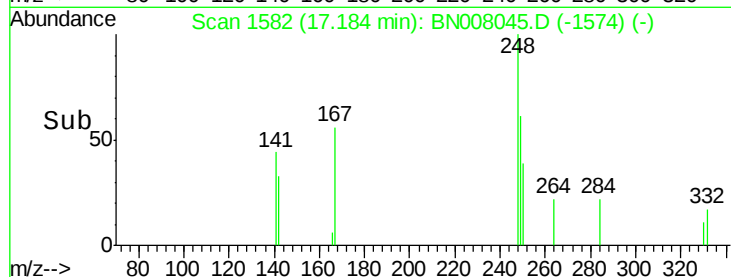
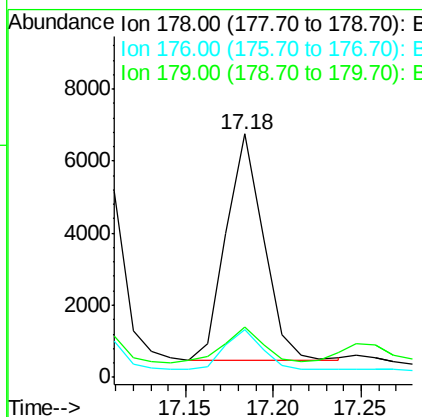
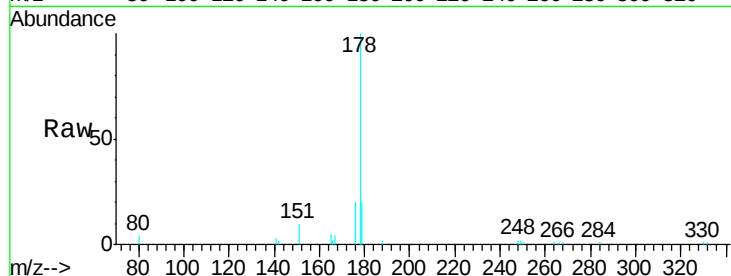
ClientSampleId :

PST-024-SW128-092519

Tgt Ion:	178	Resp:	9206
Ion Ratio	Lower	Upper	
178	100		
176	18.2	14.6	21.8
179	16.0	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.217 ng

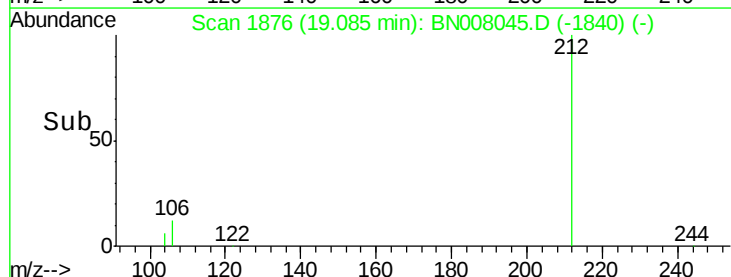
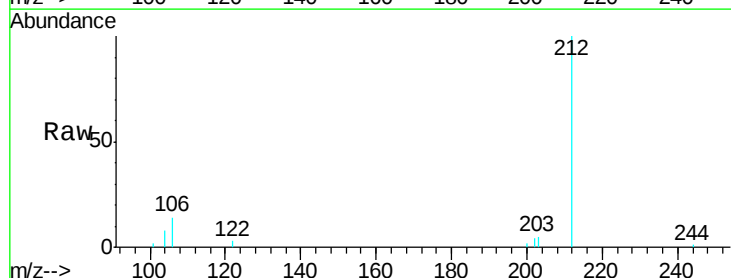
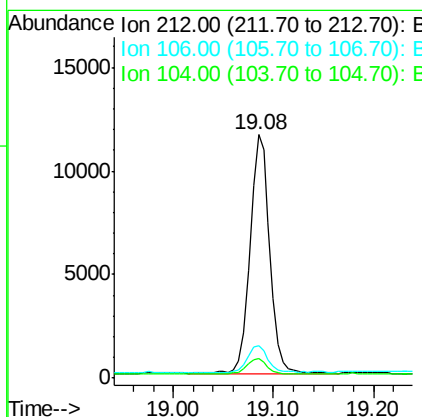
RT: 19.08 min Scan# 1876

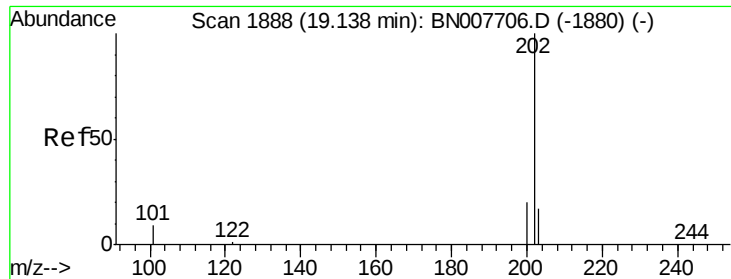
Delta R.T. -0.02 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Tgt Ion:	212	Resp:	15757
Ion Ratio	Lower	Upper	
212	100		
106	11.7	9.4	14.0
104	6.8	5.3	7.9





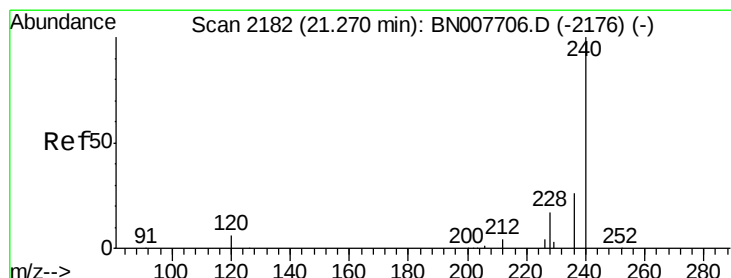
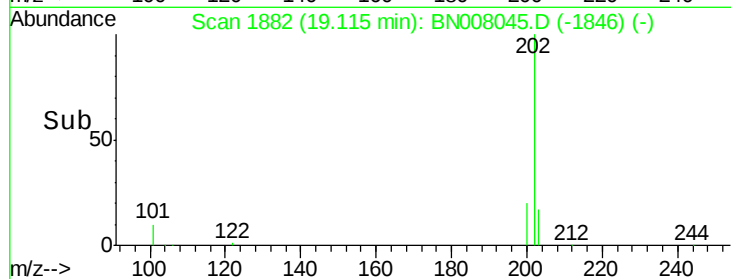
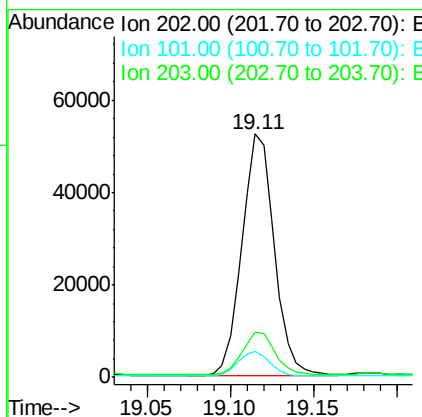
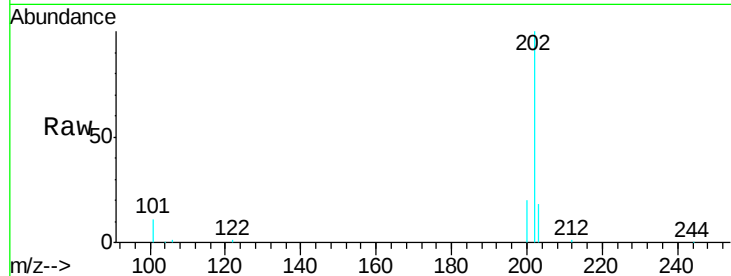
#26
Fluoranthene
Concen: 0.852 ng
RT: 19.11 min Scan# 1882
Delta R.T. -0.02 min
Lab File: BN008045.D
Acq: 06 Oct 2019 05:00

Instrument :
BNA_N
ClientSampleId :
PST-024-SW128-092519

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.3	8.4	12.6
203	17.9	13.8	20.8

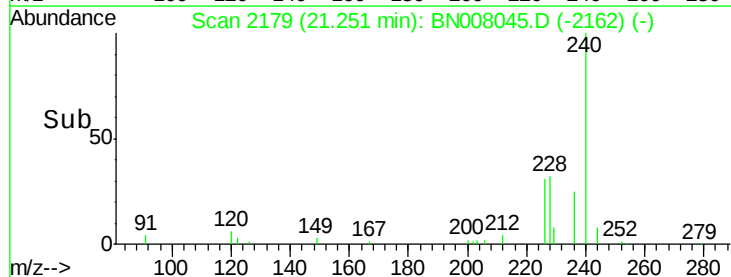
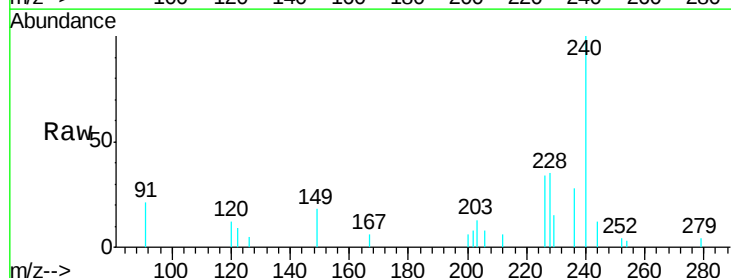
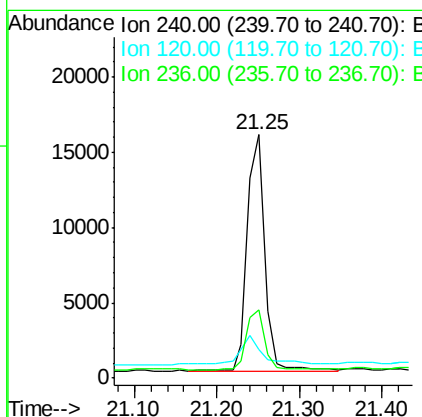
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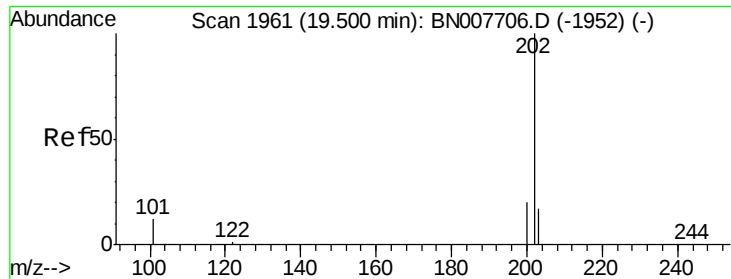
mohammad
10/7/2019 4:40:28 PM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BN008045.D
Acq: 06 Oct 2019 05:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	11.5	5.4	8.2#
236	28.0	21.0	31.4





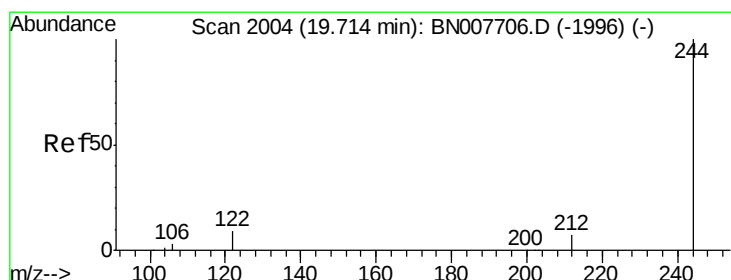
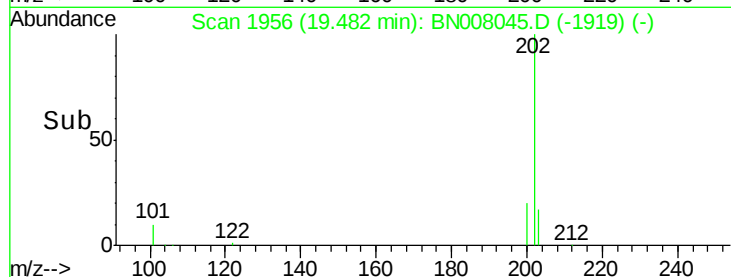
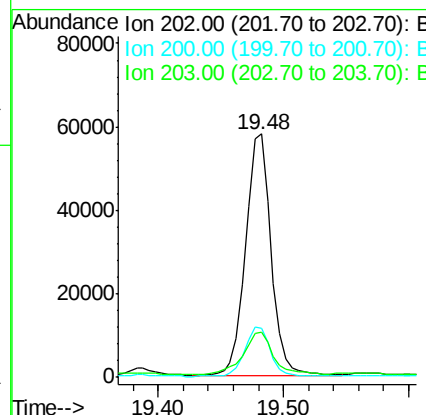
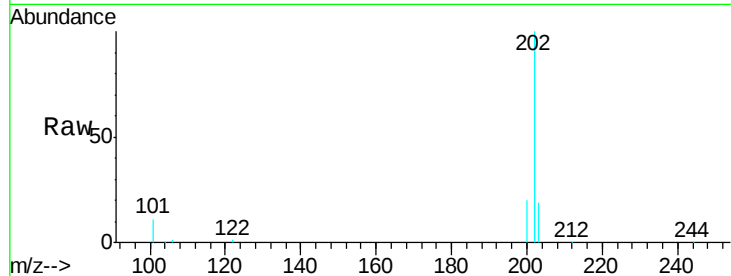
#28
 Pyrene
 Concen: 1.048 ng
 RT: 19.48 min Scan# 1956
 Delta R.T. -0.02 min
 Lab File: BN008045.D
 Acq: 06 Oct 2019 05:00

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW128-092519

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.4	16.4	24.6
203	20.7	14.1	21.1

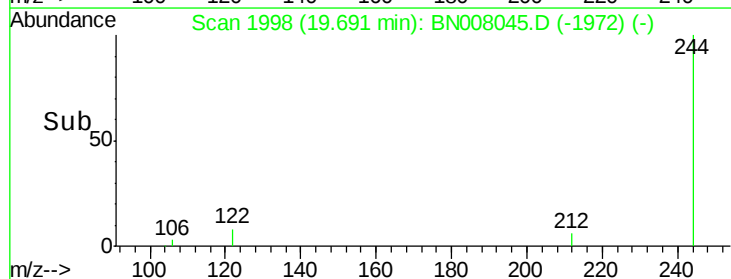
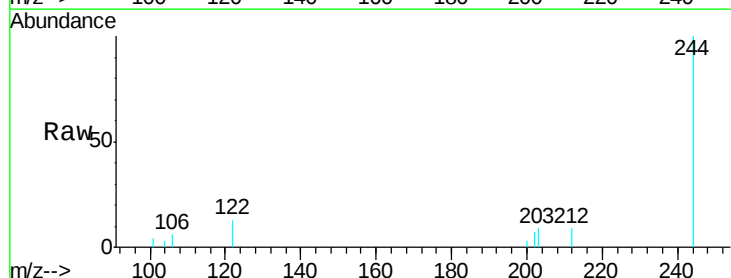
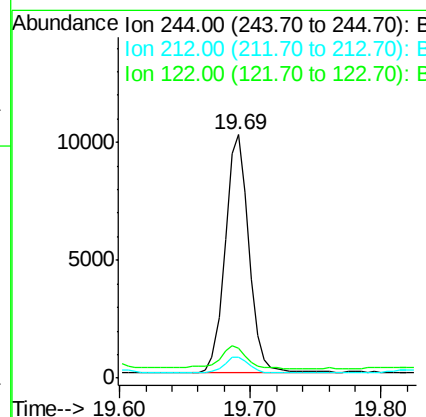
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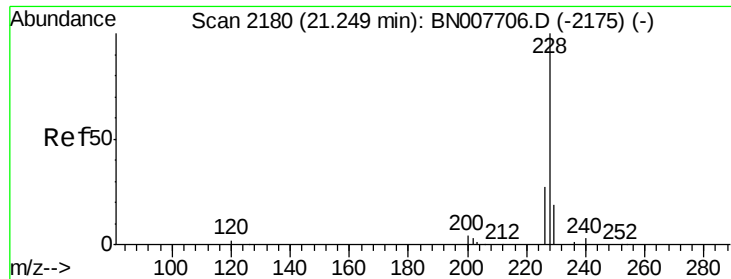
mohammad
 10/7/2019 4:40:28 PM



#29
 Terphenyl-d14
 Concen: 0.228 ng
 RT: 19.69 min Scan# 1998
 Delta R.T. -0.02 min
 Lab File: BN008045.D
 Acq: 06 Oct 2019 05:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.7	5.9	8.9
122	12.5	7.4	11.2





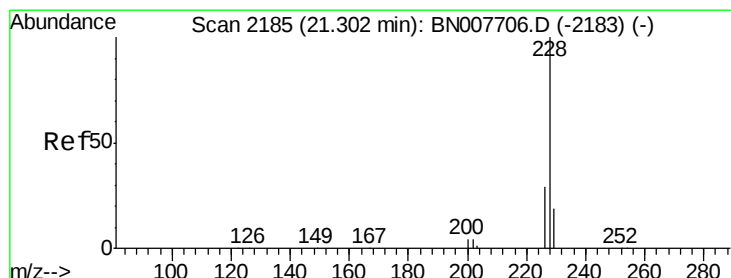
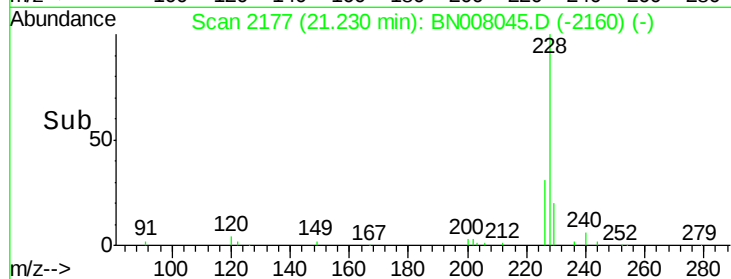
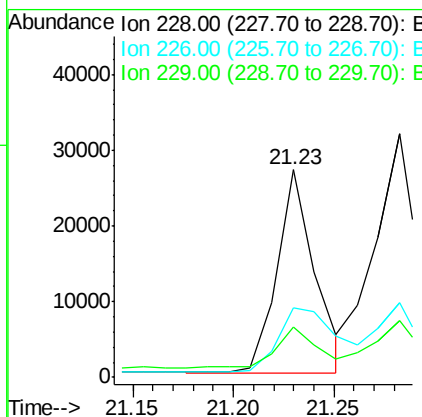
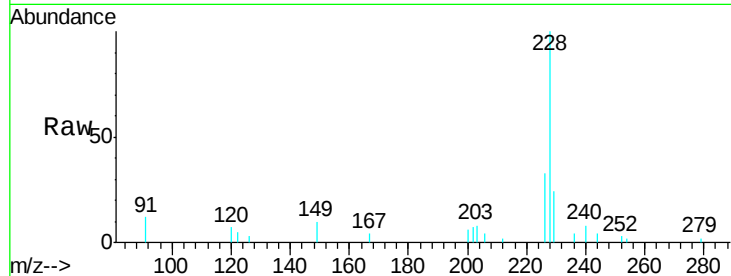
#30
Benzo(a)anthracene
Concen: 0.427 ng m
RT: 21.23 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BN008045.D
Acq: 06 Oct 2019 05:00

Instrument :
BNA_N
ClientSampleId :
PST-024-SW128-092519

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.1	33.1#
229	24.4	15.8	23.6#

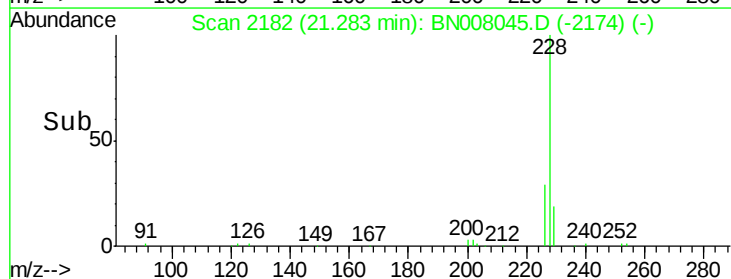
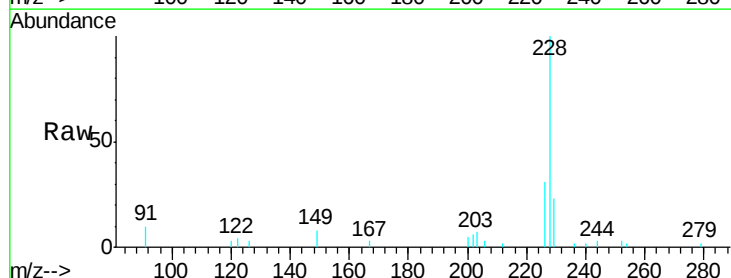
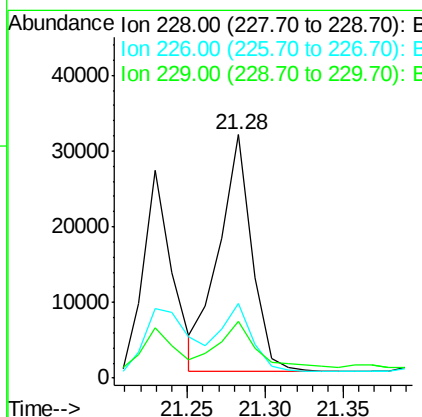
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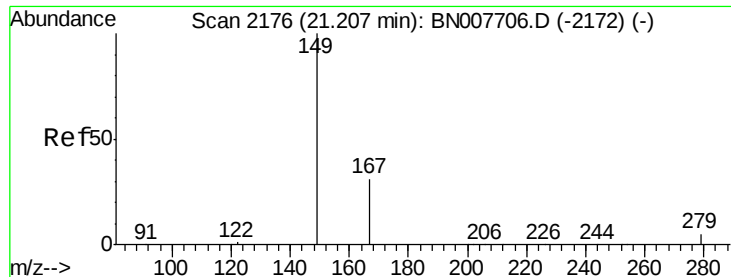
mohammad
10/7/2019 4:40:28 PM



#31
Chrysene
Concen: 0.561 ng
RT: 21.28 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BN008045.D
Acq: 06 Oct 2019 05:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.9	35.9
229	23.3	15.8	23.6





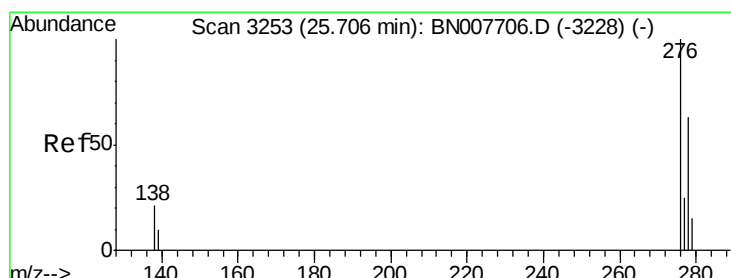
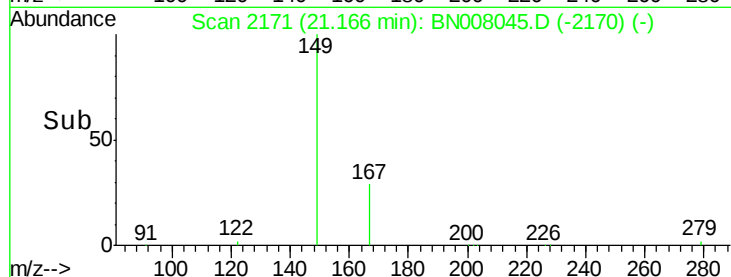
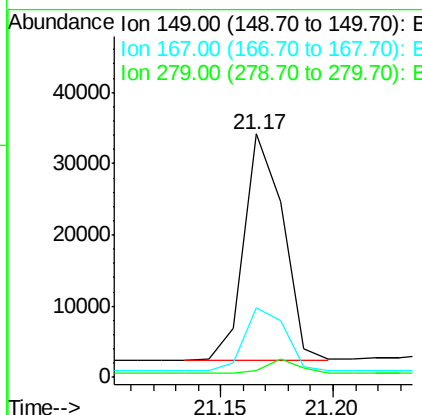
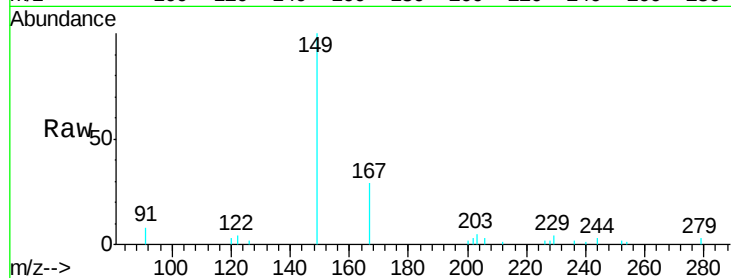
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.897 ng m
 RT: 21.17 min Scan# 2171
 Delta R.T. -0.04 min
 Lab File: BN008045.D
 Acq: 06 Oct 2019 05:00

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW128-092519

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.1	23.7	35.5
279	5.4	4.2	6.2

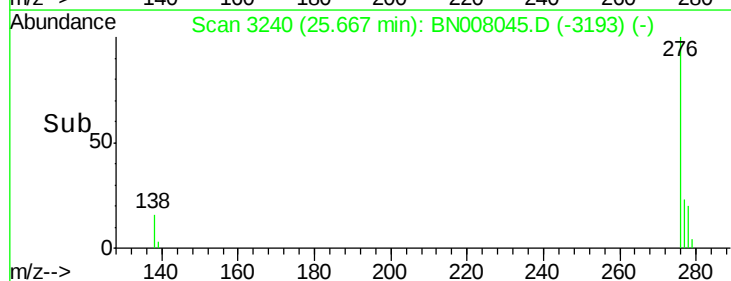
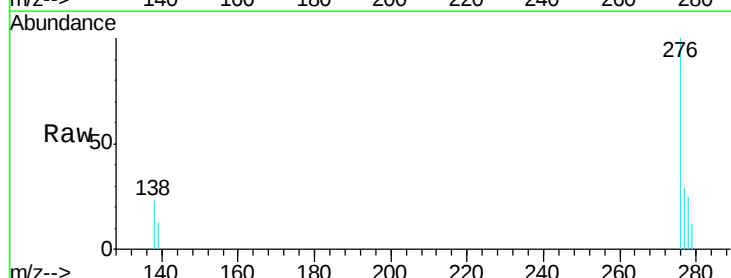
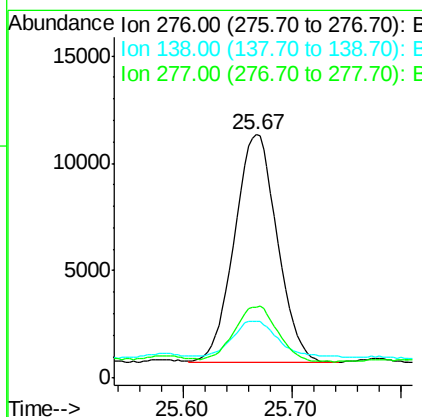
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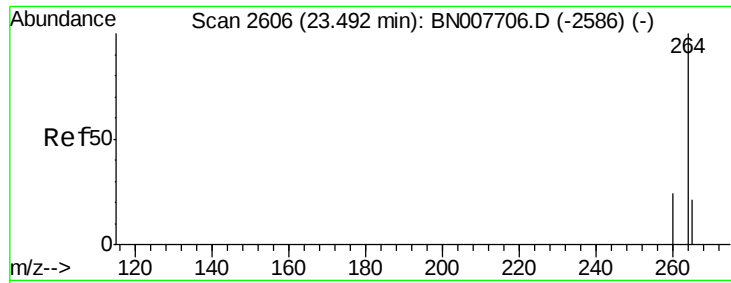
mohammad
 10/7/2019 4:40:28 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.283 ng
 RT: 25.67 min Scan# 3240
 Delta R.T. -0.04 min
 Lab File: BN008045.D
 Acq: 06 Oct 2019 05:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.8	17.1	25.7#
277	24.9	20.0	30.0





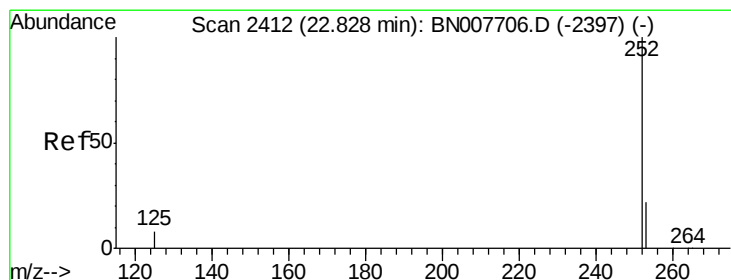
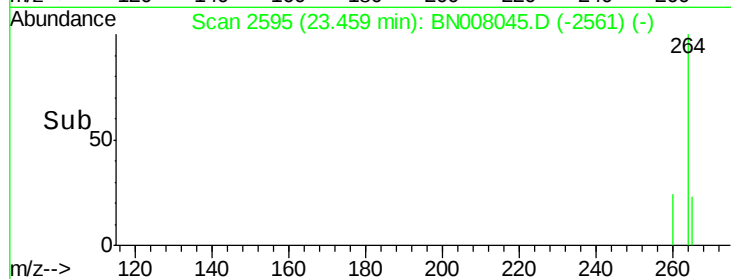
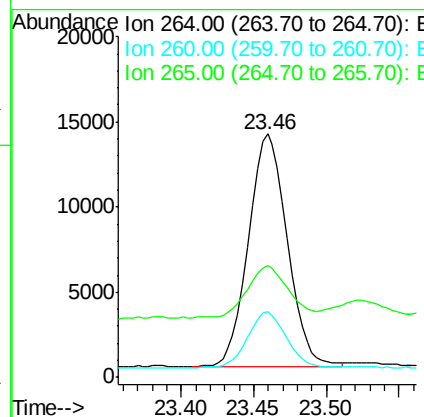
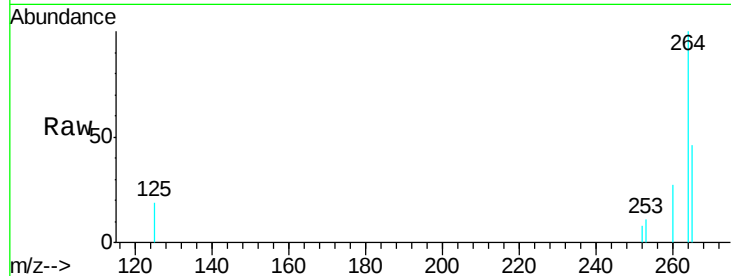
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.46 min Scan# 2595
 Delta R.T. -0.03 min
 Lab File: BN008045.D
 Acq: 06 Oct 2019 05:00

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW128-092519

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.9	19.3	28.9
265	45.7	26.9	40.3

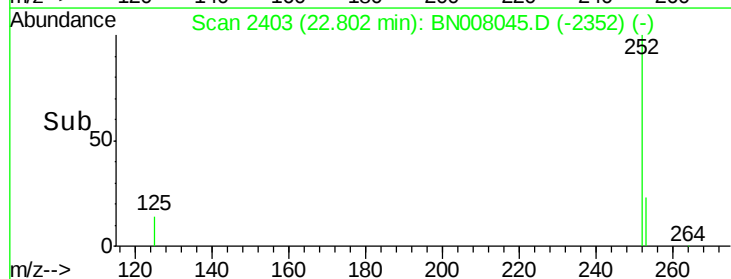
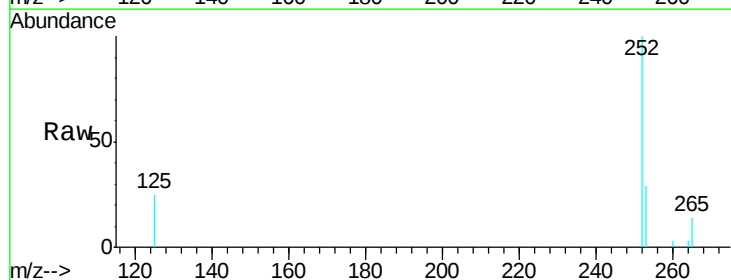
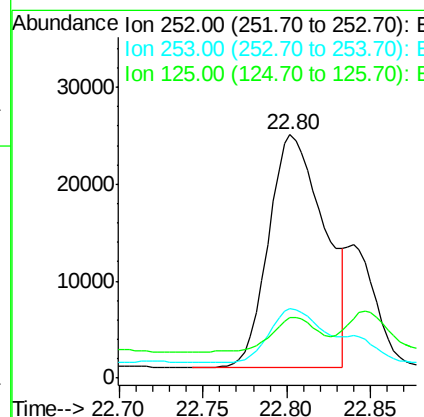
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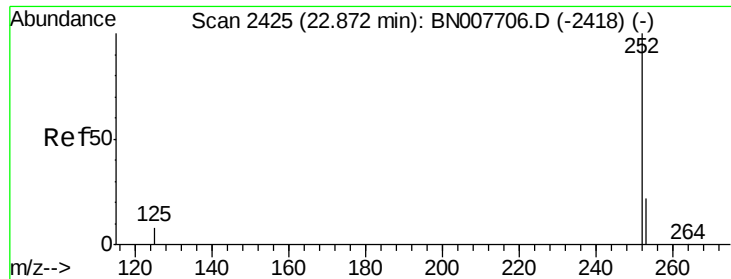
mohammad
 10/7/2019 4:40:28 PM



#35
 Benzo(b)fluoranthene
 Concen: 0.632 ng
 RT: 22.80 min Scan# 2403
 Delta R.T. -0.03 min
 Lab File: BN008045.D
 Acq: 06 Oct 2019 05:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.6	18.3	27.5
125	24.7	8.2	12.4





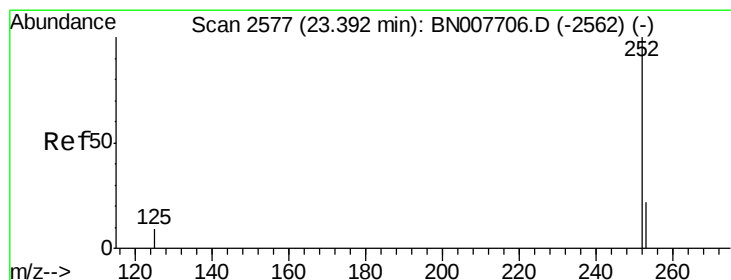
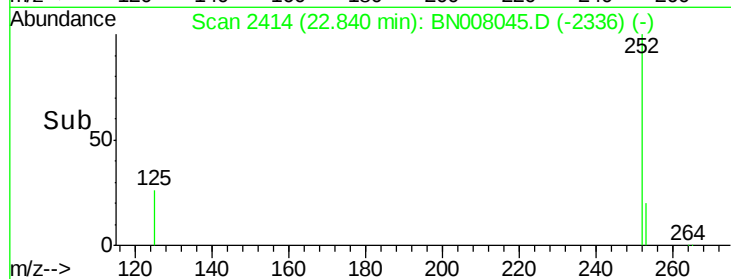
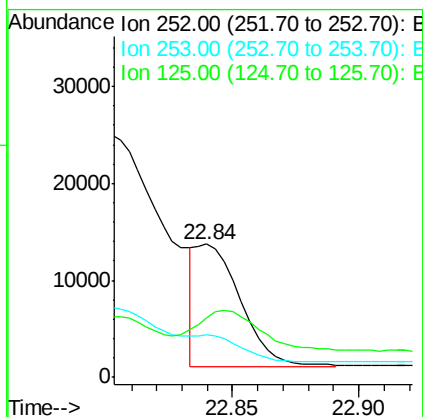
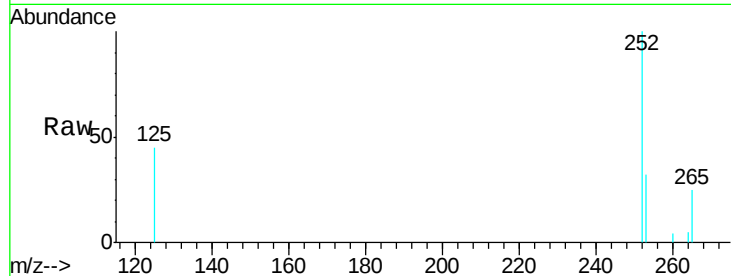
#36
Benzo(k)fluoranthene
Concen: 0.181 ng m
RT: 22.84 min Scan# 2414
Delta R.T. -0.03 min
Lab File: BN008045.D
Acq: 06 Oct 2019 05:00

Instrument :
BNA_N
ClientSampleId :
PST-024-SW128-092519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.5	18.5	27.7#
125	44.8	8.4	12.6#

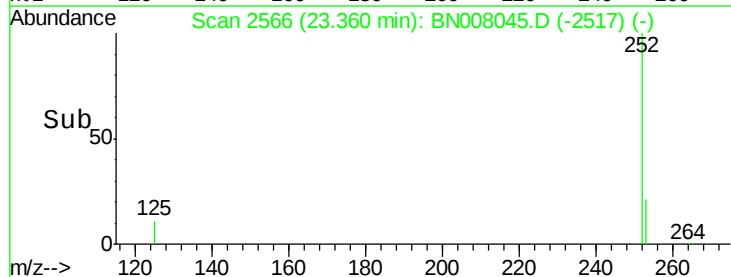
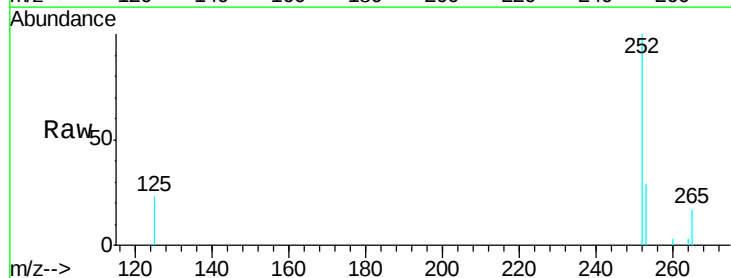
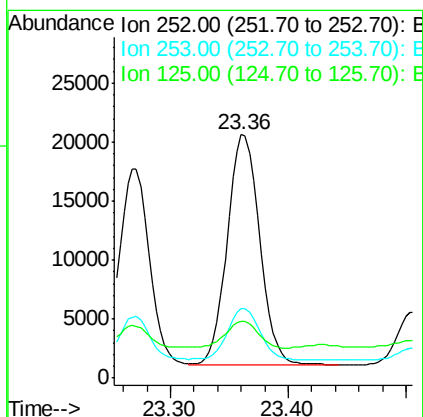
Manual Integrations
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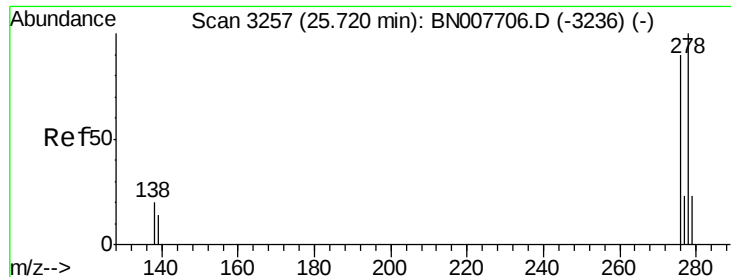
mohammad
10/7/2019 4:40:28 PM



#37
Benzo(a)pyrene
Concen: 0.451 ng
RT: 23.36 min Scan# 2566
Delta R.T. -0.03 min
Lab File: BN008045.D
Acq: 06 Oct 2019 05:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.6	18.6	27.8#
125	23.2	9.4	14.0#





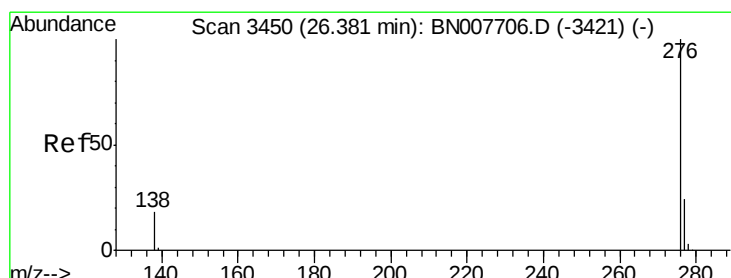
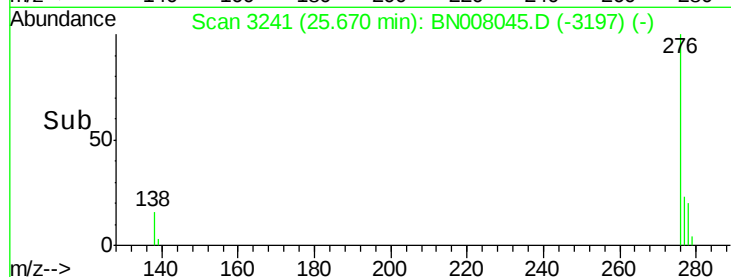
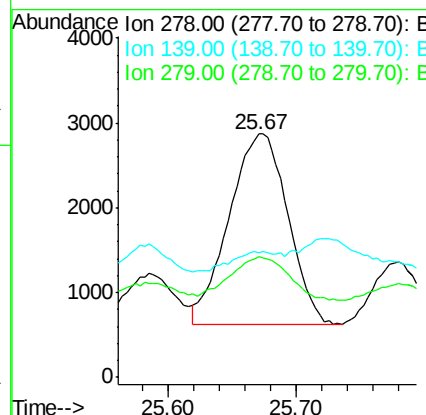
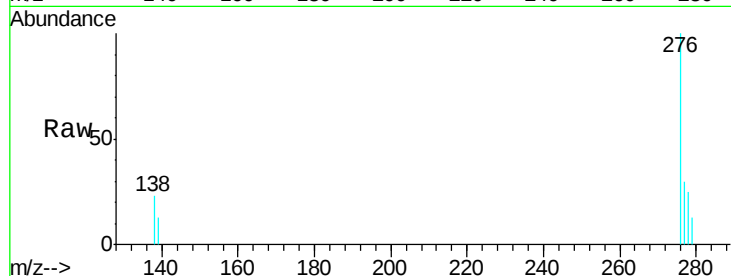
#38
Dibenzo(a,h)anthracene
Concen: 0.084 ng
RT: 25.67 min Scan# 3241
Delta R.T. -0.05 min
Lab File: BN008045.D
Acq: 06 Oct 2019 05:00

Instrument :
BNA_N
ClientSampleId :
PST-024-SW128-092519

Tgt Ion	Ratio	Lower	Upper
278	100		
139	51.2	11.8	17.6#
279	49.7	19.4	29.2#

Manual Integrations
APPROVED

mohammad
10/7/2019 4:40:28 PM



#39
Benzo(g,h,i)perylene
Concen: 0.378 ng
RT: 26.34 min Scan# 3437
Delta R.T. -0.04 min
Lab File: BN008045.D
Acq: 06 Oct 2019 05:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.0	19.8	29.8
138	23.8	15.1	22.7#

