

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
 Data File : BN008026.D
 Acq On : 05 Oct 2019 15:16
 Operator : JU
 Sample : K5078-19
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW134-092519

Manual Integrations
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 10/7/2019 4:39:40 PM

Quant Time: Oct 07 06:14:49 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	5143	0.40	ng	-0.02
7) Naphthalene-d8	10.44	136	19611	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	12581	0.40	ng	-0.02
19) Phenanthrene-d10	17.05	188	25255	0.40	ng	-0.02
27) Chrysene-d12	21.25	240	26180	0.40	ng	-0.02
34) Perylene-d12	23.46	264	27858	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	3593	0.20	ng	0.00
5) Phenol-d6	6.88	99	4598	0.21	ng	0.00
8) Nitrobenzene-d5	8.82	82	4386	0.26	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	7894	0.24	ng	-0.02
14) 2,4,6-Tribromophenol	15.81	330	1484	0.22	ng	-0.01
15) 2-Fluorobiphenyl	12.92	172	10345	0.20	ng	-0.02
25) Fluoranthene-d10	19.09	212	18714	0.22	ng	-0.02
29) Terphenyl-d14	19.69	244	14966	0.23	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	2993	0.054	ng	# 87
12) 2-Methylnaphthalene	12.12	142	1188	0.032	ng	# 88
16) Acenaphthylene	14.02	152	2222	0.033	ng	98
17) Acenaphthene	14.37	154	7886	0.183	ng	99
18) Fluorene	15.36	166	10745	0.195	ng	95
23) Phenanthrene	17.09	178	211149	2.684	ng	100
24) Anthracene	17.19	178	13642	0.192	ng	# 88
26) Fluoranthene	19.12	202	300436	3.071	ng	99
28) Pyrene	19.48	202	224031	2.509	ng	# 96
30) Benzo(a)anthracene	21.24	228	97648	1.013	ng	98
31) Chrysene	21.28	228	99705	1.061	ng	97
32) Bis(2-ethylhexyl)phthalate	21.17	149	6278	0.127	ng	# 98
33) Indeno(1,2,3-cd)pyrene	25.67	276	61253	0.521	ng	# 94
35) Benzo(b)fluoranthene	22.81	252	132128	1.366	ng	# 95
36) Benzo(k)fluoranthene	22.84	252	47824m	0.500	ng	
37) Benzo(a)pyrene	23.37	252	80988	0.891	ng	# 94
38) Dibenzo(a,h)anthracene	25.68	278	14764	0.159	ng	# 63
39) Benzo(g,h,i)perylene	26.35	276	56577	0.615	ng	96

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

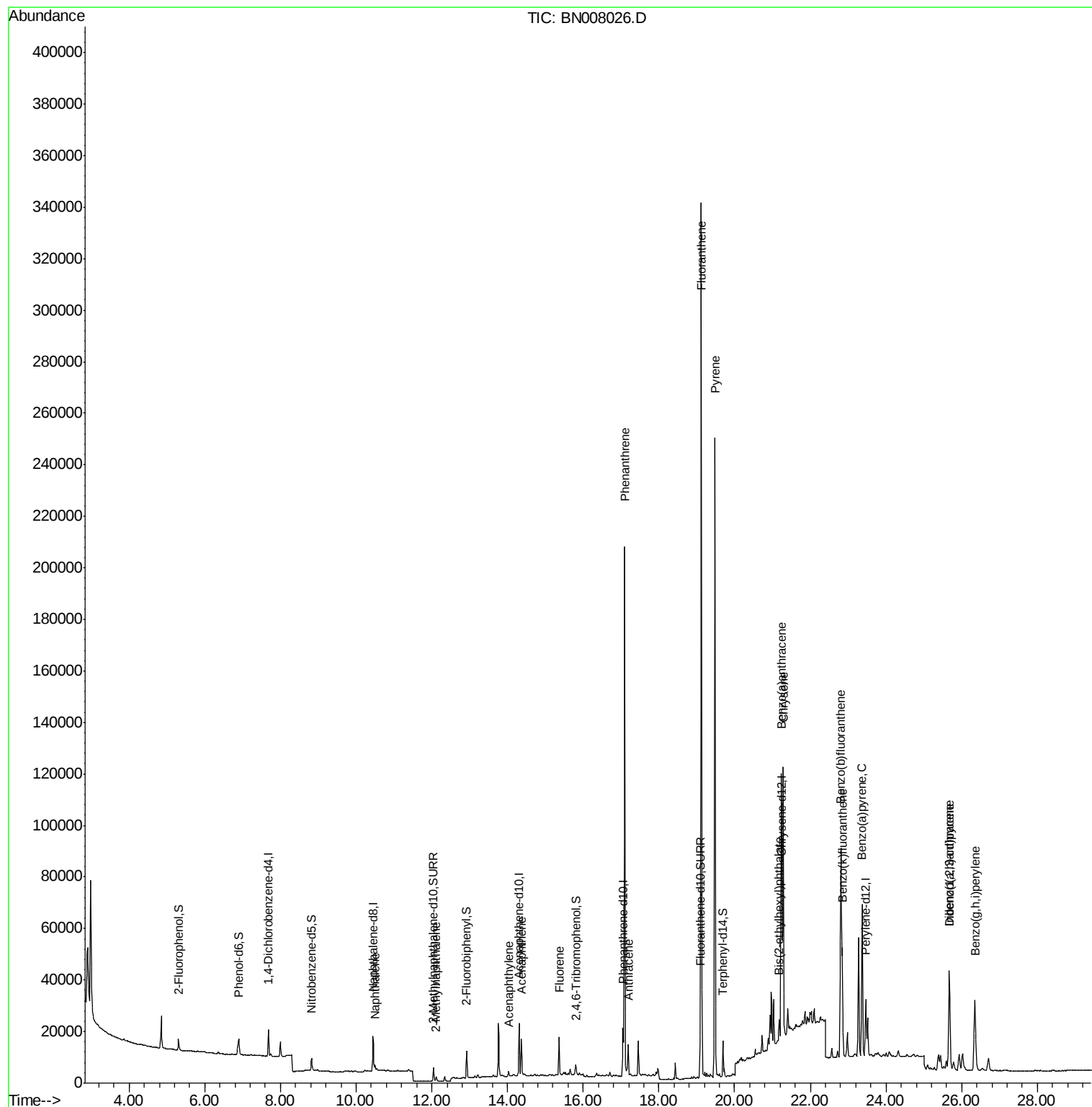
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 03 18:39:49 2019
Response via : Initial Calibration

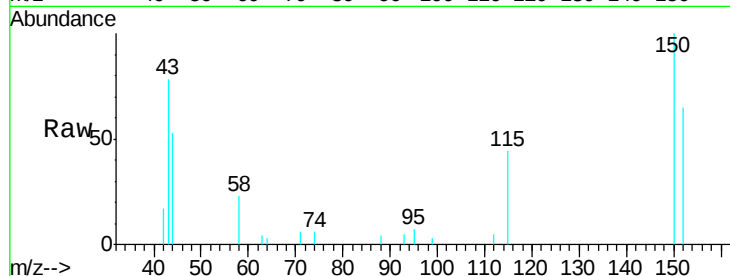




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 602
Delta R.T. -0.02 min
Lab File: BN008026.D
Acq: 05 Oct 2019 15:16

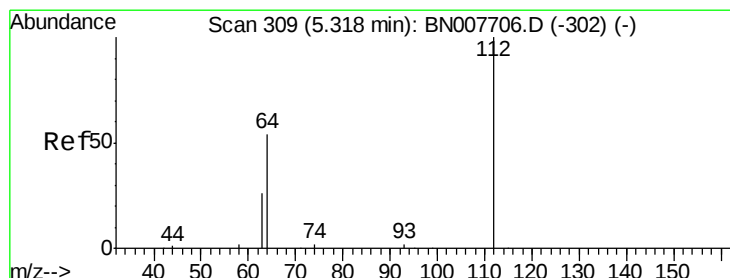
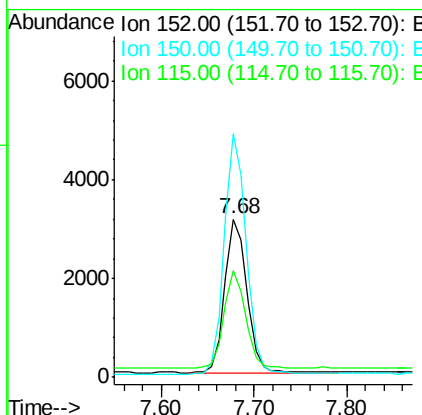
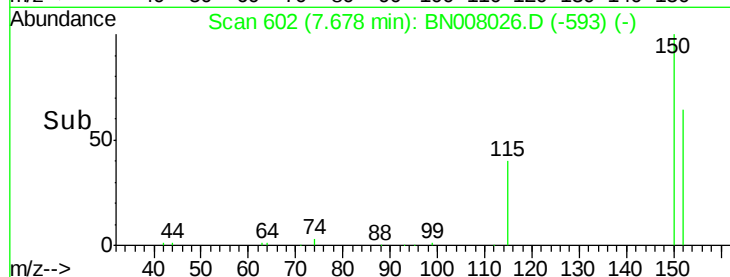
Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519



Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.9	125.6	188.4
115	67.1	53.3	79.9

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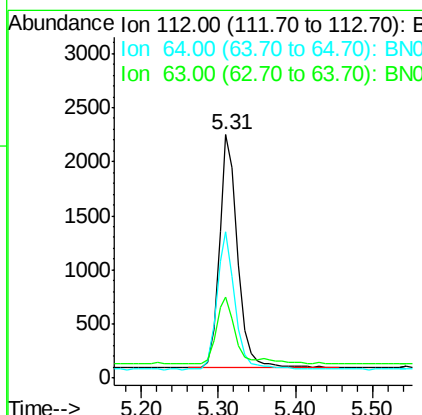
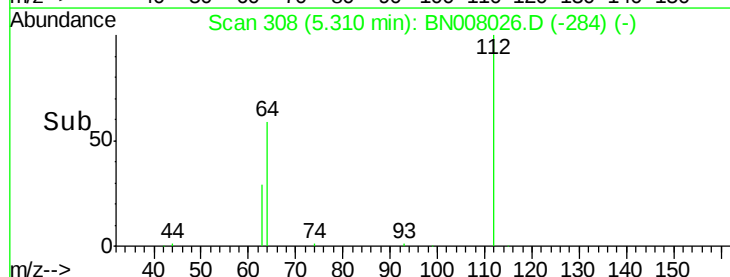
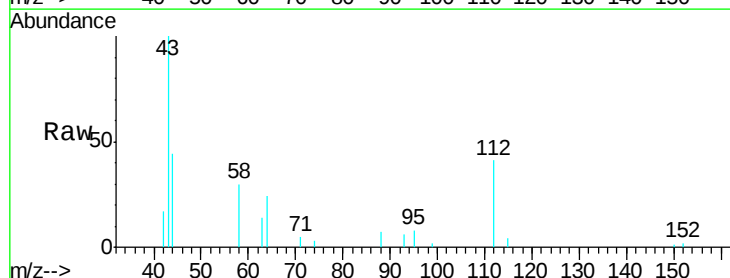
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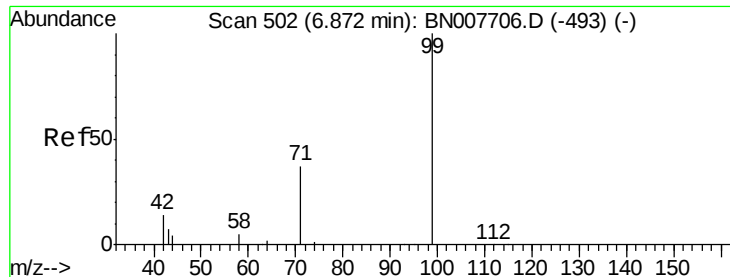


#4

2-Fluorophenol
Concen: 0.203 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN008026.D
Acq: 05 Oct 2019 15:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	46.6	70.0
63	28.9	23.1	34.7





#5

Phenol-d6

Concen: 0.205 ng

RT: 6.88 min Scan# 503

Delta R.T. 0.01 min

Lab File: BN008026.D

Acq: 05 Oct 2019 15:16

Instrument :

BNA_N

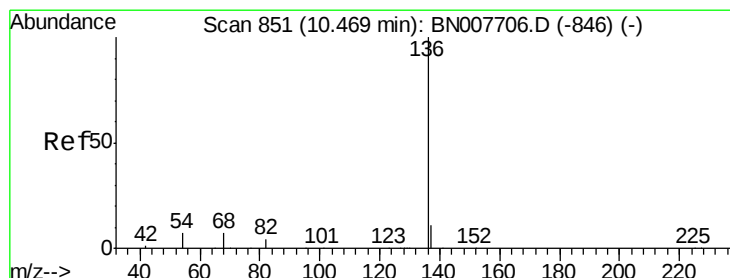
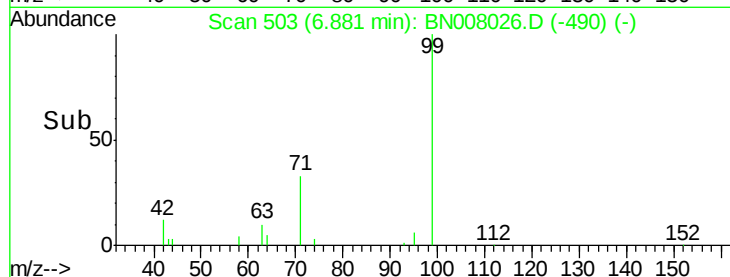
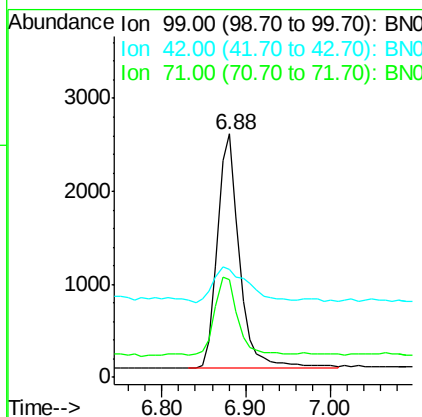
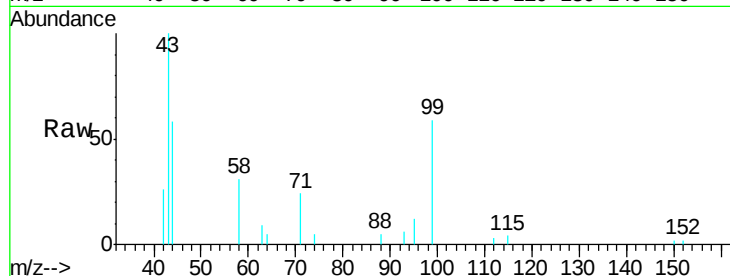
ClientSampleId :

PST-024-SW134-092519

Tgt Ion:	99	Resp:	4598
Ion Ratio	Lower	Upper	
99	100		
42	23.8	12.8	19.2#
71	35.4	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

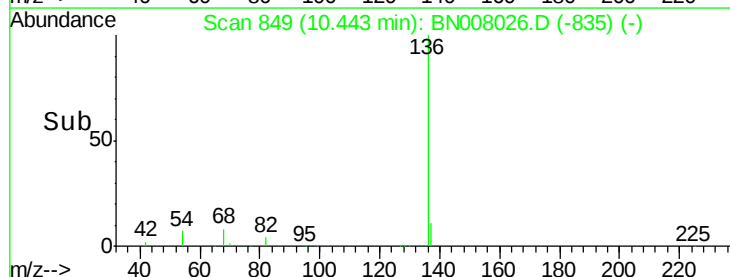
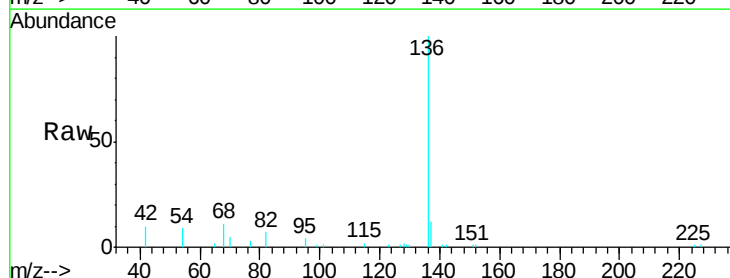
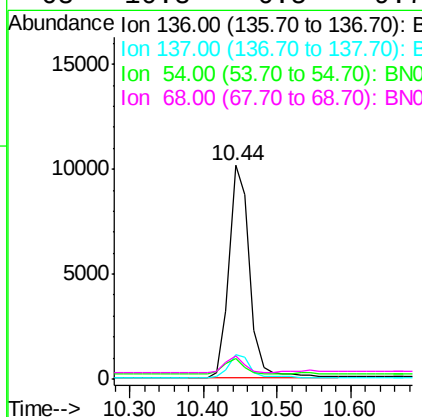
RT: 10.44 min Scan# 849

Delta R.T. -0.03 min

Lab File: BN008026.D

Acq: 05 Oct 2019 15:16

Tgt Ion:	136	Resp:	19611
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.2	13.8
54	9.3	5.8	8.8#
68	10.8	6.5	9.7#





#8

Nitrobenzene-d5

Concen: 0.256 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN008026.D

Acq: 05 Oct 2019 15:16

Instrument :

BNA_N

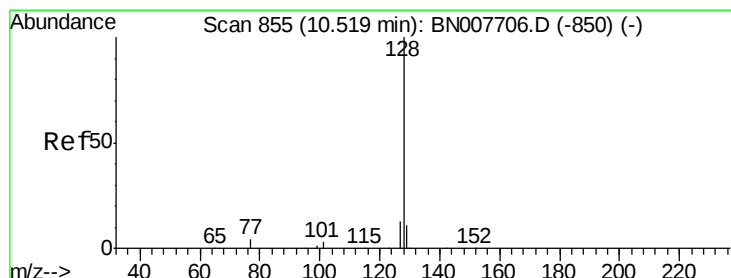
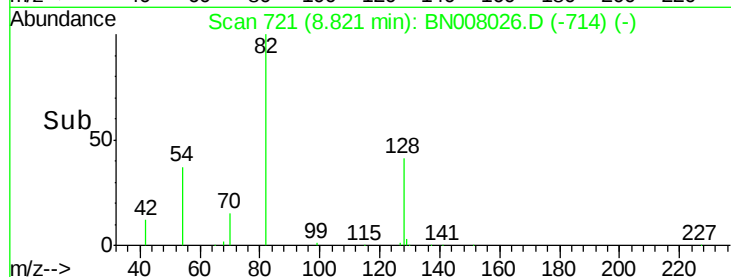
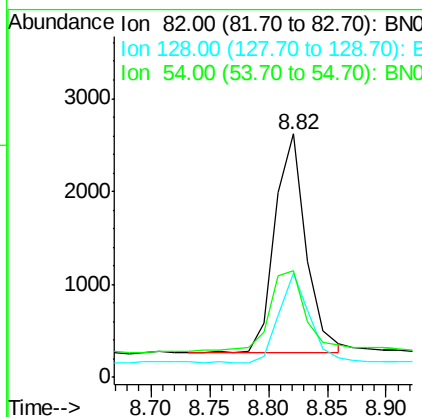
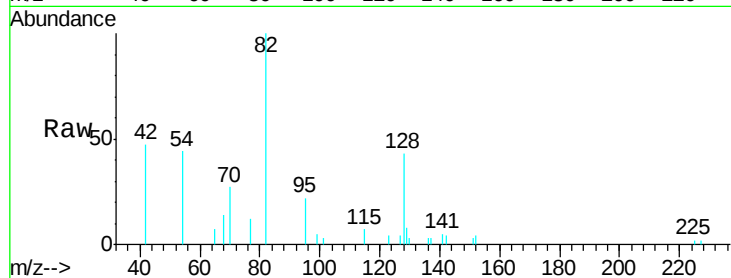
ClientSampleId :

PST-024-SW134-092519

Tgt Ion:	82	Resp:	4386
Ion Ratio	Lower	Upper	
82	100		
128	42.9	24.5	36.7#
54	43.9	35.2	52.8

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#9

Naphthalene

Concen: 0.054 ng

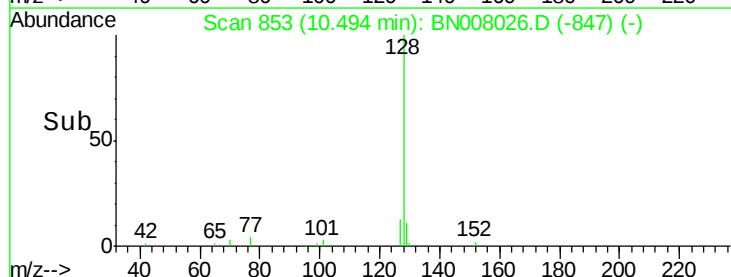
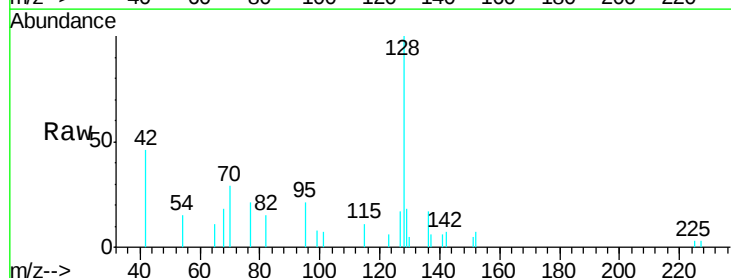
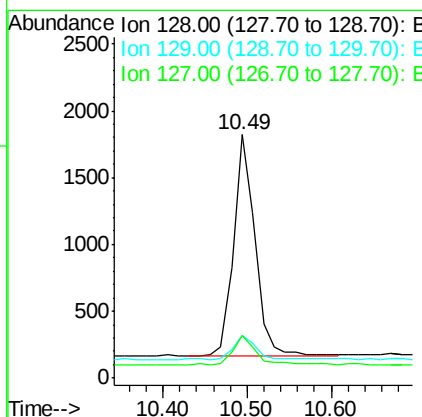
RT: 10.49 min Scan# 853

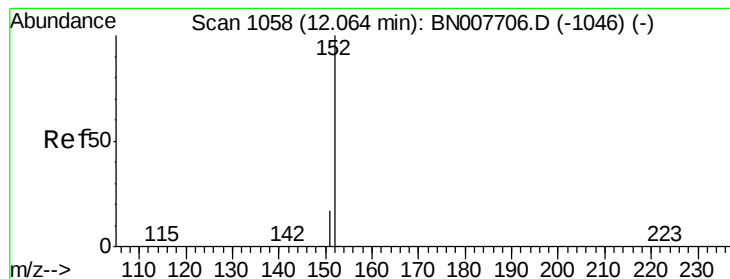
Delta R.T. -0.03 min

Lab File: BN008026.D

Acq: 05 Oct 2019 15:16

Tgt Ion:	128	Resp:	2993
Ion Ratio	Lower	Upper	
128	100		
129	17.7	9.1	13.7#
127	17.4	10.6	15.8#





#11

2-Methylnaphthalene-d10

Concen: 0.239 ng

RT: 12.04 min Scan# 1053

Delta R.T. -0.02 min

Lab File: BN008026.D

Acq: 05 Oct 2019 15:16

Instrument :

BNA_N

ClientSampleId :

PST-024-SW134-092519

Tgt Ion:152 Resp: 7894

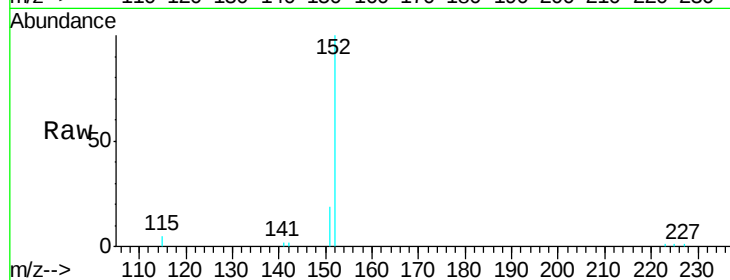
Ion Ratio Lower Upper

152 100

151 19.1 15.4 23.2

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.04

5000

4000

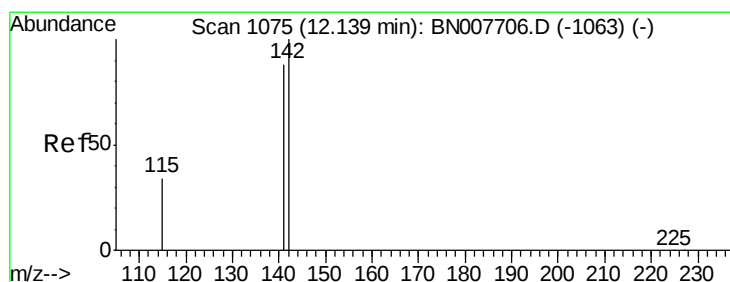
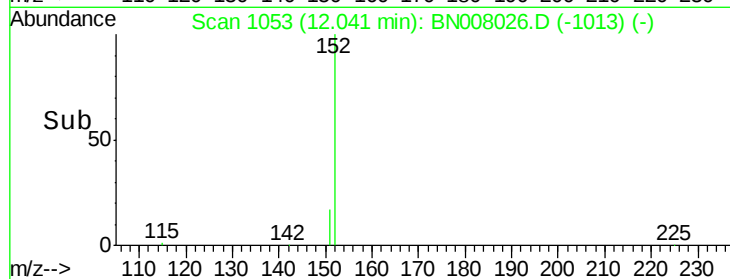
3000

2000

1000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.032 ng

RT: 12.12 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BN008026.D

Acq: 05 Oct 2019 15:16

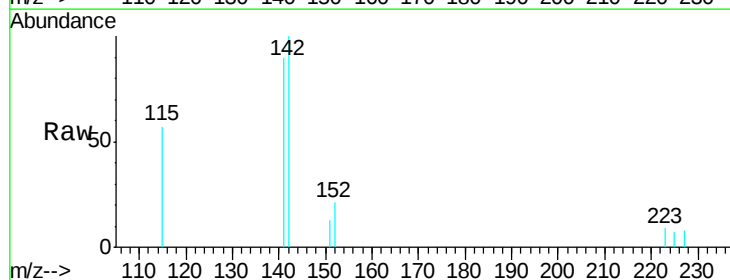
Tgt Ion:142 Resp: 1188

Ion Ratio Lower Upper

142 100

141 89.5 70.6 106.0

115 57.1 28.3 42.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.12

1000

800

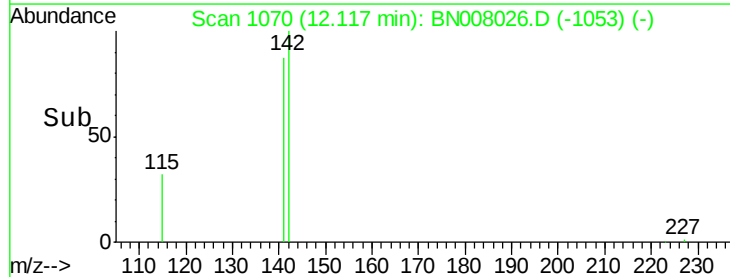
600

400

200

0

Time-->





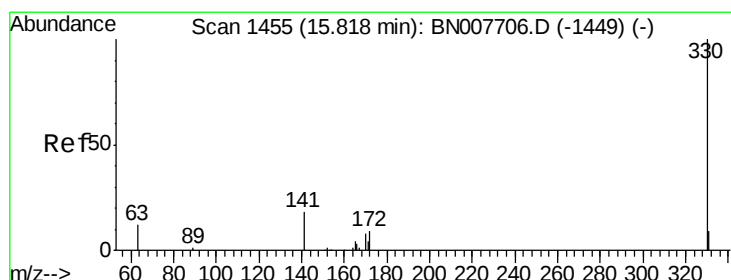
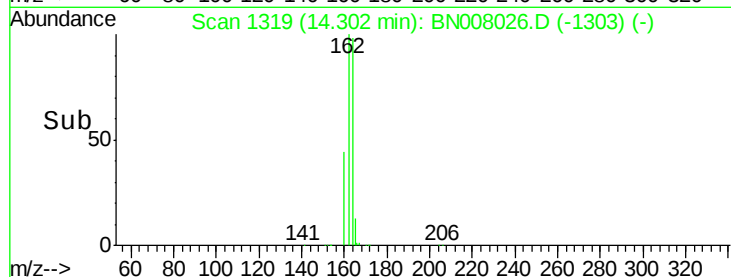
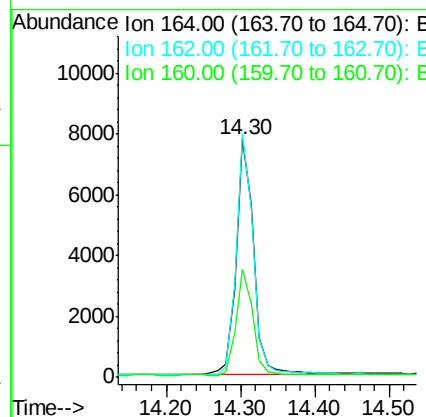
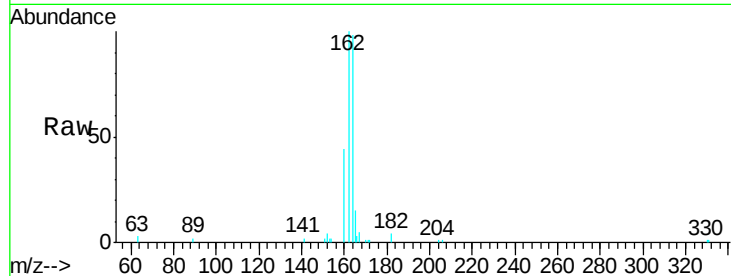
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BN008026.D
Acq: 05 Oct 2019 15:16

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.7	122.5
160	45.5	37.0	55.4

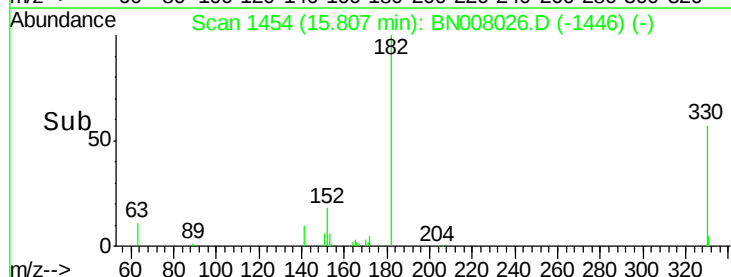
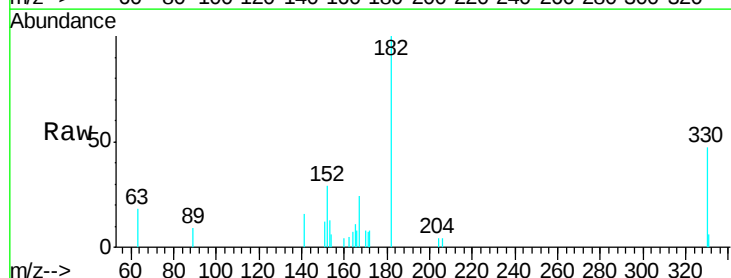
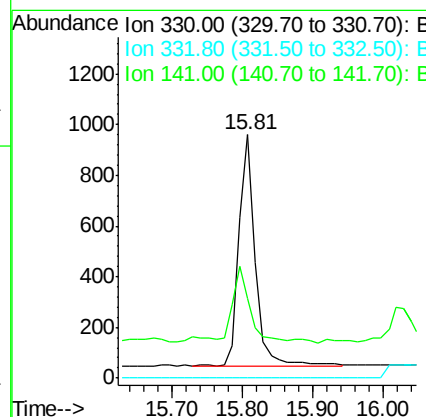
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#14
2,4,6-Tribromophenol
Concen: 0.217 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN008026.D
Acq: 05 Oct 2019 15:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.6	28.7	43.1





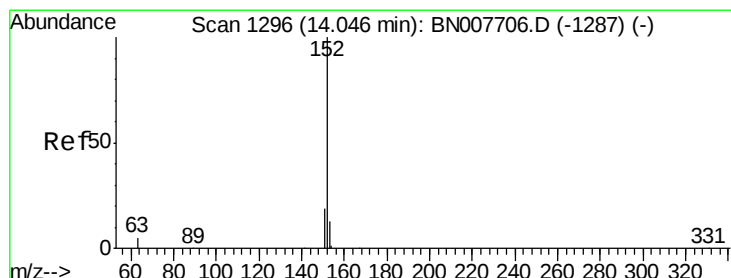
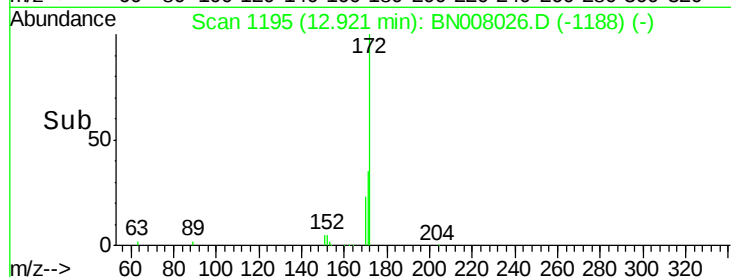
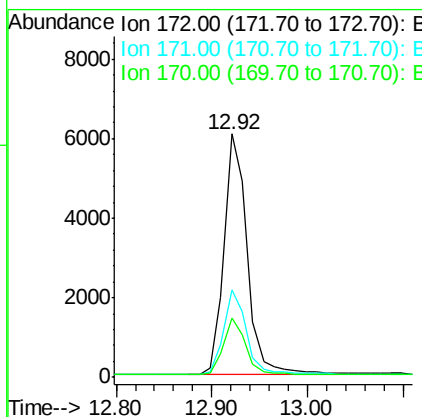
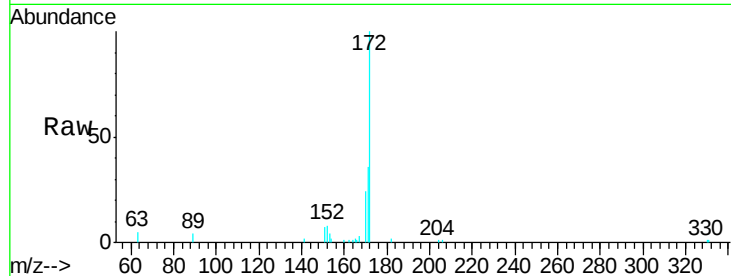
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2-Fluorobiphenyl
Concen: 0.200 ng
RT: 12.92 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN008026.D
Acq: 05 Oct 2019 15:16

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.8	43.2
170	24.2	19.5	29.3

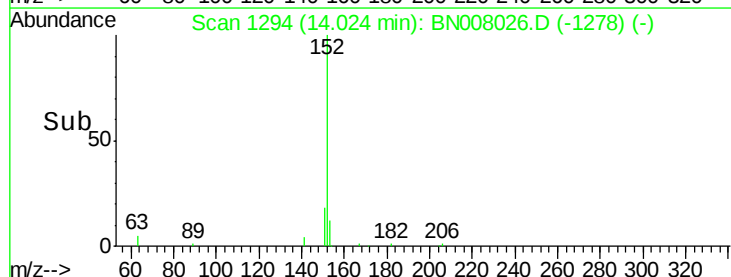
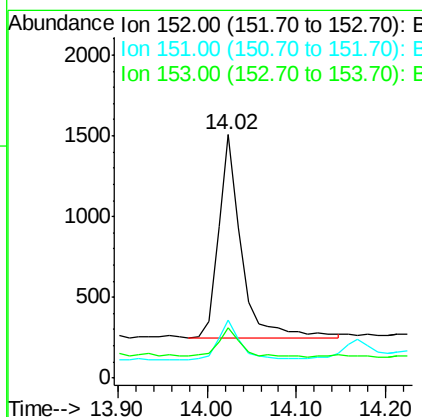
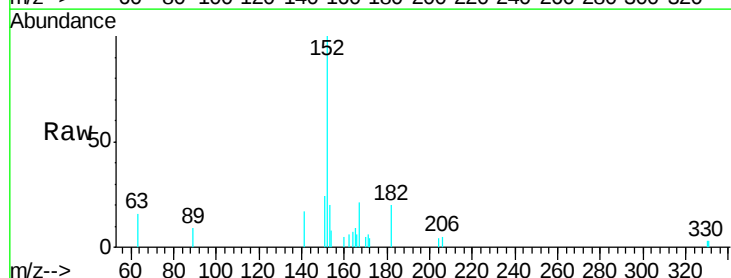
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#16
Acenaphthylene
Concen: 0.033 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN008026.D
Acq: 05 Oct 2019 15:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	14.9	10.4	15.6





#17

Acenaphthene

Concen: 0.183 ng

RT: 14.37 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN008026.D

Acq: 05 Oct 2019 15:16

Instrument :

BNA_N

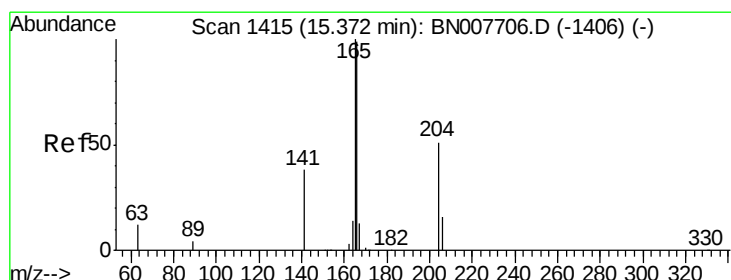
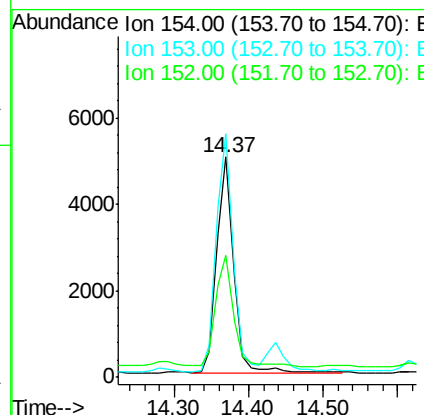
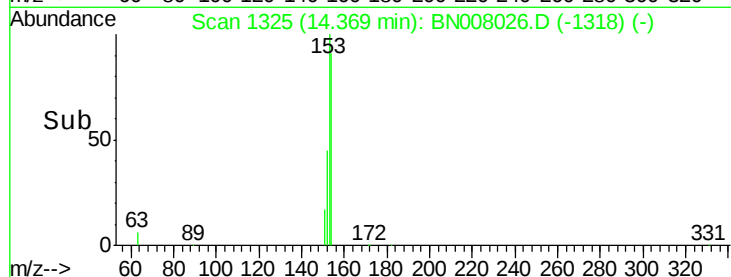
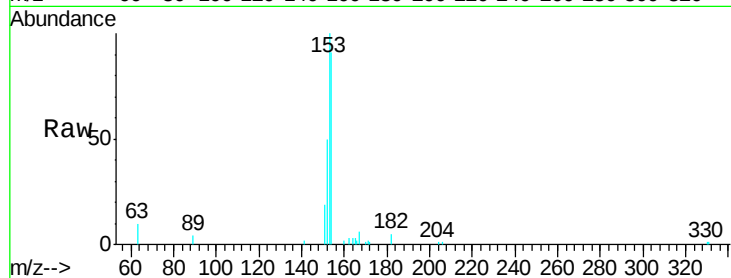
ClientSampleId :

PST-024-SW134-092519

Tgt Ion:	154	Resp:	7886
Ion Ratio	Lower	Upper	
154	100		
153	109.6	87.0	130.4
152	54.5	42.7	64.1

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#18

Fluorene

Concen: 0.195 ng

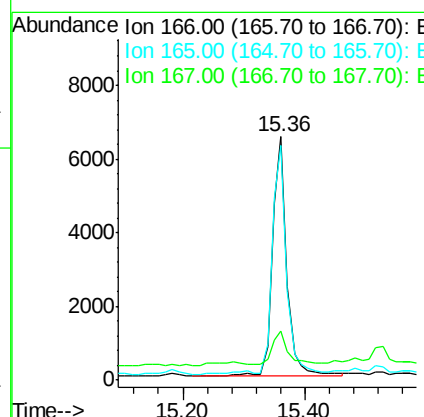
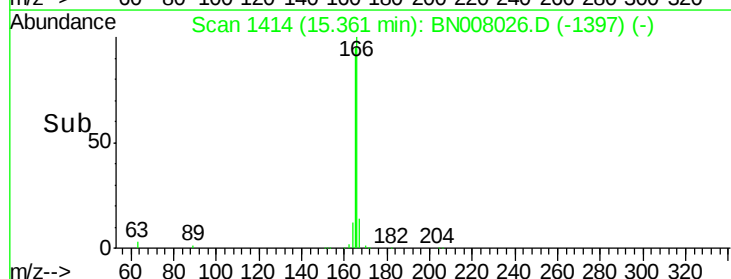
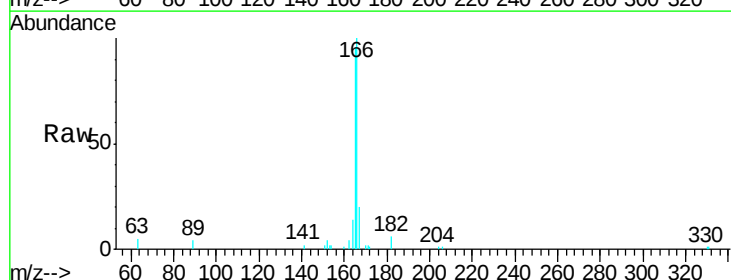
RT: 15.36 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BN008026.D

Acq: 05 Oct 2019 15:16

Tgt Ion:	166	Resp:	10745
Ion Ratio	Lower	Upper	
166	100		
165	92.1	78.0	117.0
167	14.5	10.9	16.3





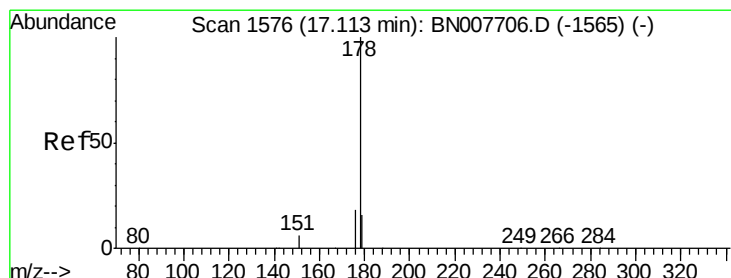
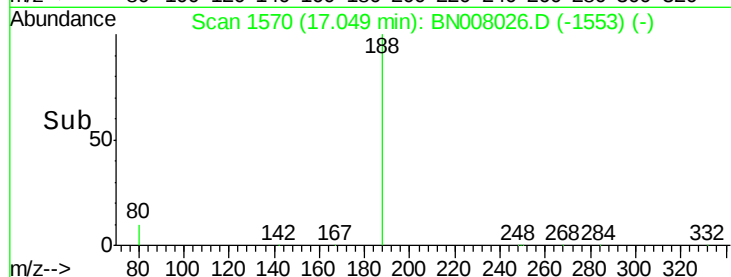
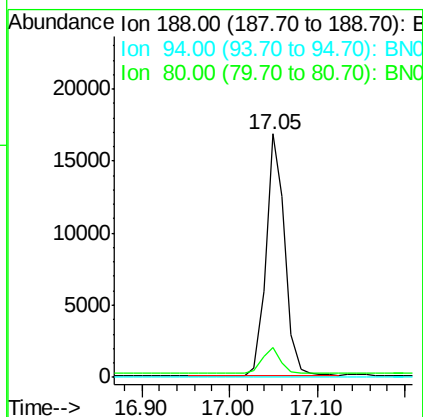
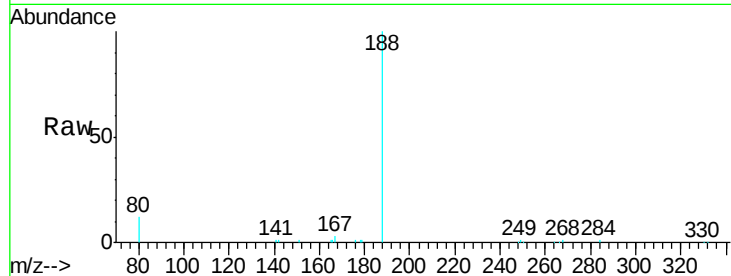
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BN008026.D
Acq: 05 Oct 2019 15:16

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	12.1	7.4	11.2

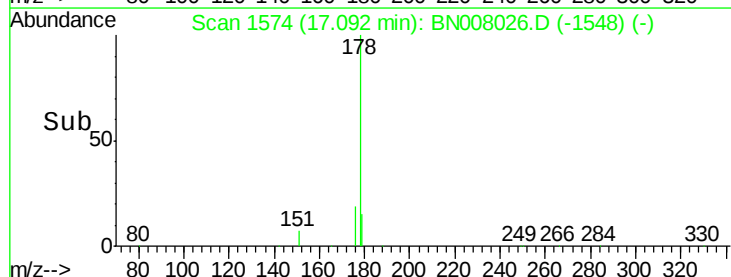
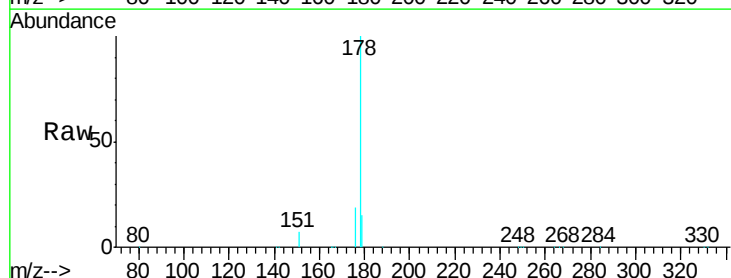
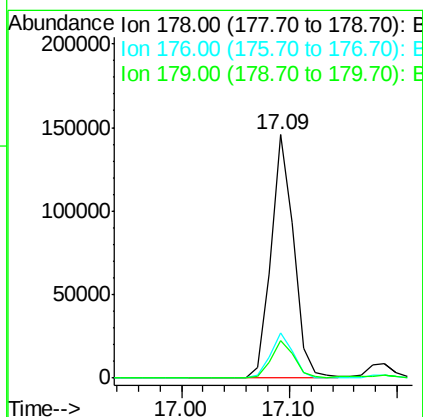
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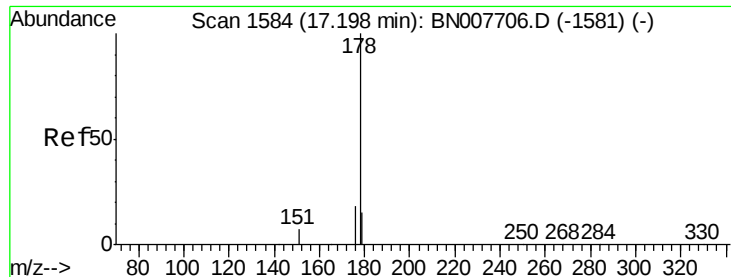
mohammad
10/7/2019 4:39:40 PM



#23
Phenanthrene
Concen: 2.684 ng
RT: 17.09 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BN008026.D
Acq: 05 Oct 2019 15:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.6	14.9	22.3
179	15.4	12.5	18.7





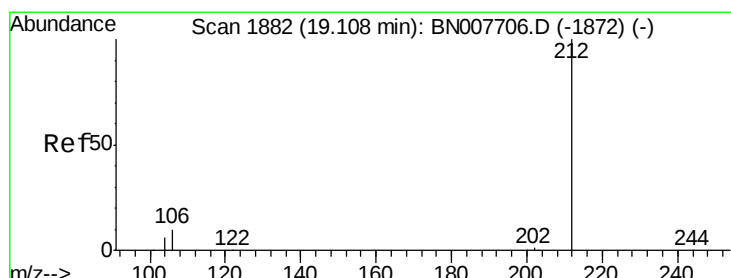
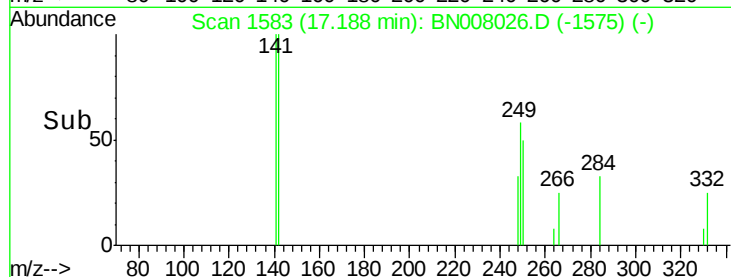
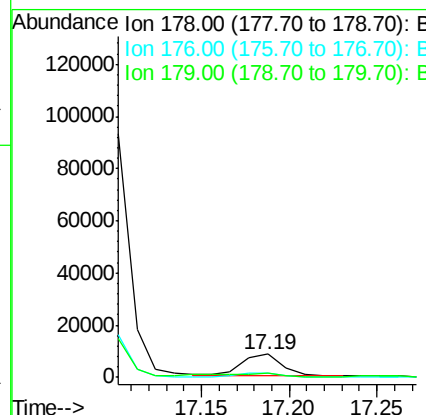
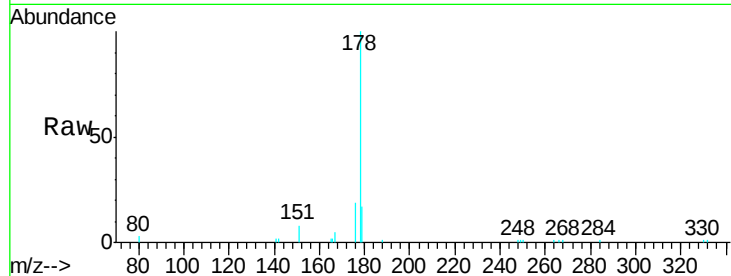
#24
 Anthracene
 Concen: 0.192 ng
 RT: 17.19 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BN008026.D
 Acq: 05 Oct 2019 15:16

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW134-092519

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	21.8
179	25.6	12.2	18.4

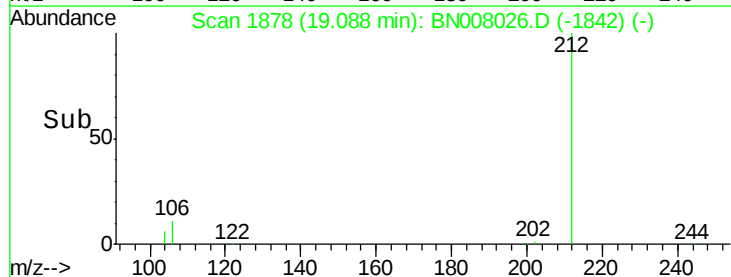
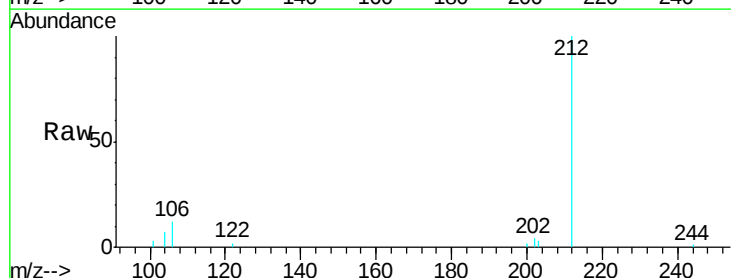
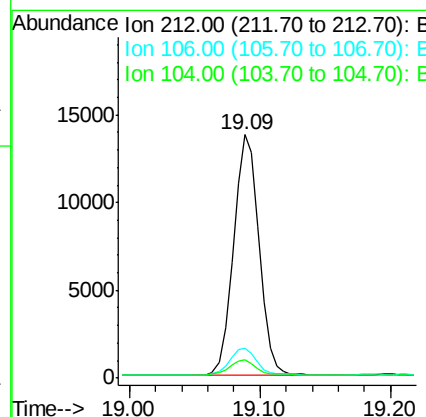
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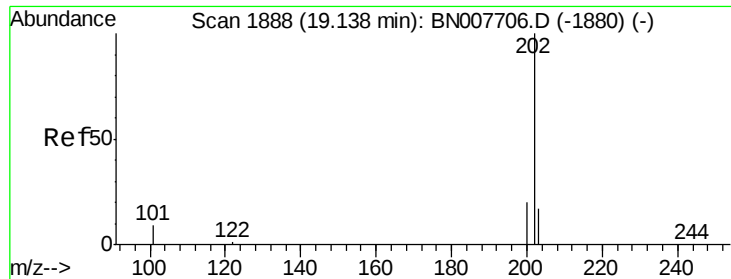
mohammad
 10/7/2019 4:39:40 PM



#25
 Fluoranthene-d10
 Concen: 0.220 ng
 RT: 19.09 min Scan# 1878
 Delta R.T. -0.02 min
 Lab File: BN008026.D
 Acq: 05 Oct 2019 15:16

Tgt Ion	Ratio	Lower	Upper
212	100		
106	11.4	9.4	14.0
104	6.5	5.3	7.9





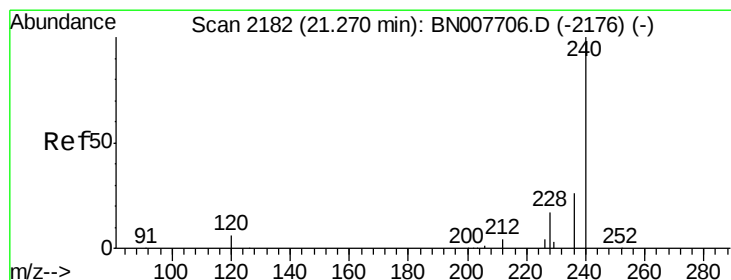
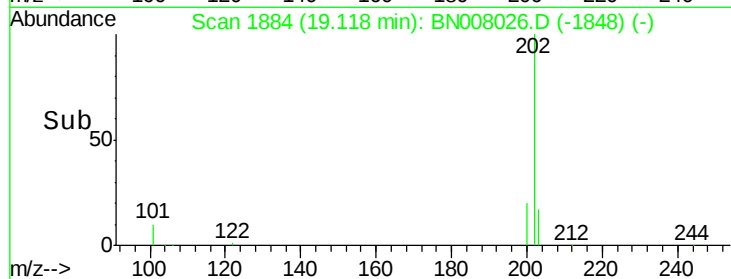
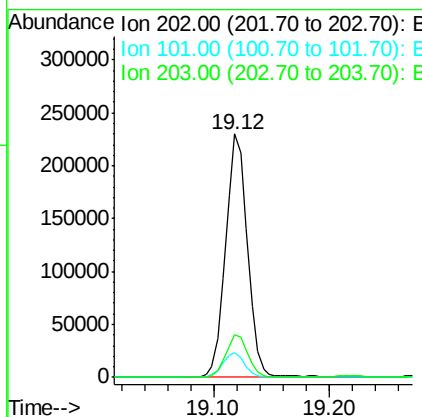
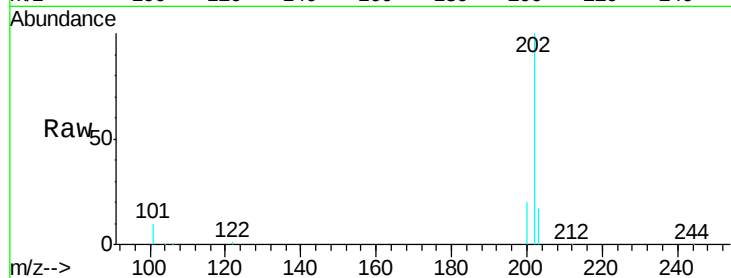
#26
 Fluoranthene
 Concen: 3.071 ng
 RT: 19.12 min Scan# 1884
 Delta R.T. -0.02 min
 Lab File: BN008026.D
 Acq: 05 Oct 2019 15:16

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW134-092519

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.0	8.4	12.6
203	17.3	13.8	20.8

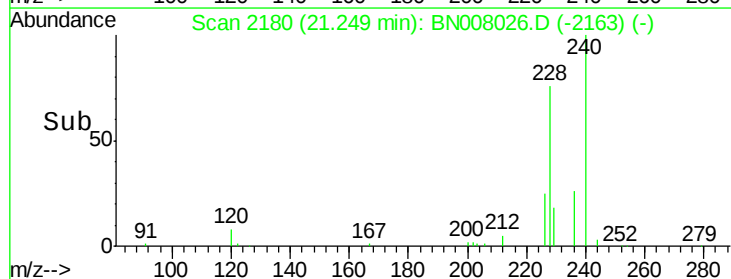
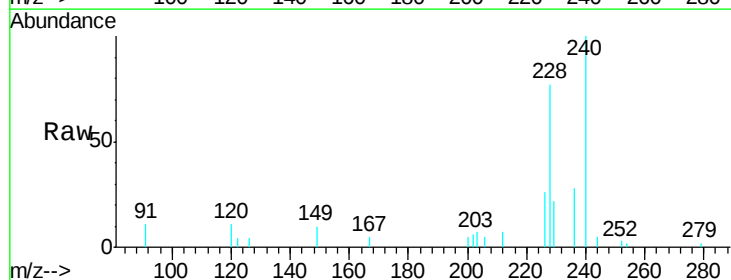
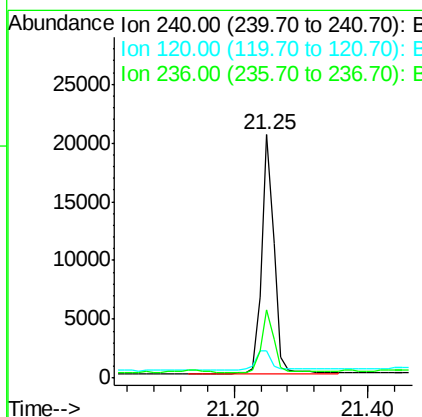
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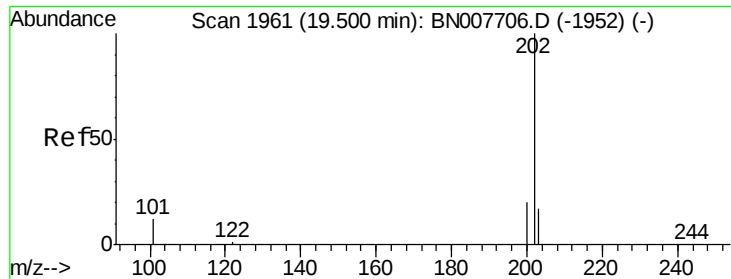
mohammad
 10/7/2019 4:39:40 PM



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 2180
 Delta R.T. -0.02 min
 Lab File: BN008026.D
 Acq: 05 Oct 2019 15:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	11.1	5.4	8.2#
236	28.3	21.0	31.4





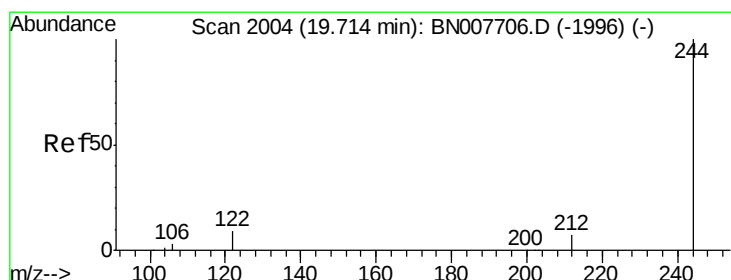
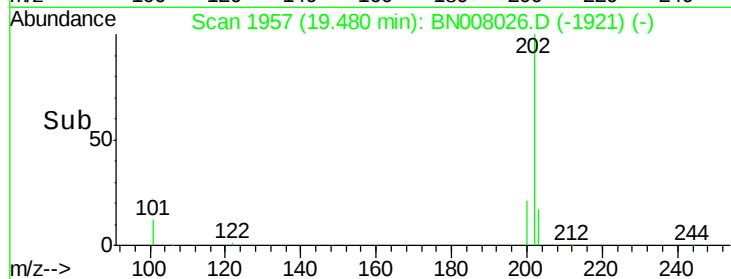
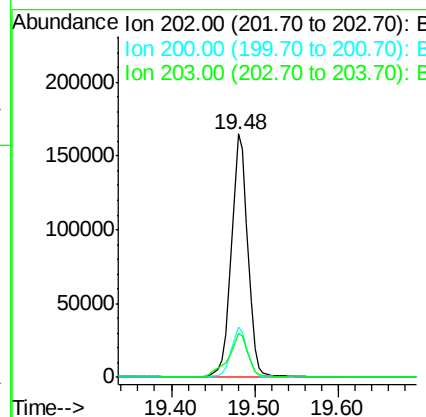
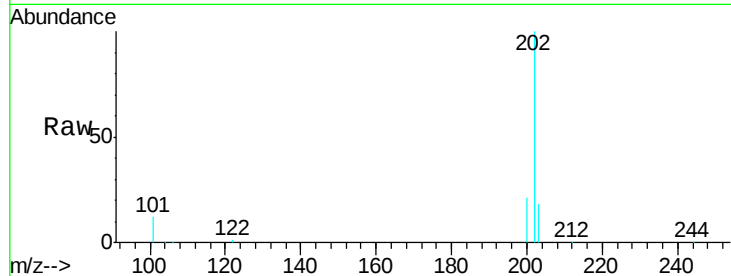
#28
 Pyrene
 Concen: 2.509 ng
 RT: 19.48 min Scan# 1957
 Delta R.T. -0.02 min
 Lab File: BN008026.D
 Acq: 05 Oct 2019 15:16

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW134-092519

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.4	16.4	24.6
203	21.2	14.1	21.1#

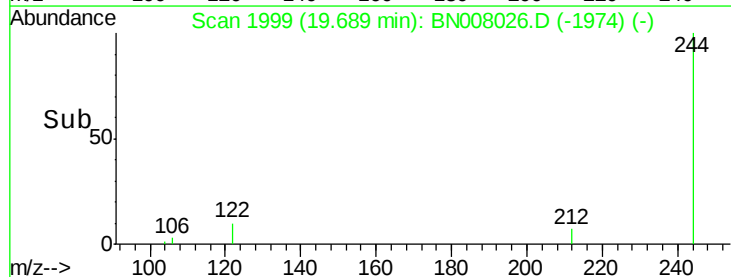
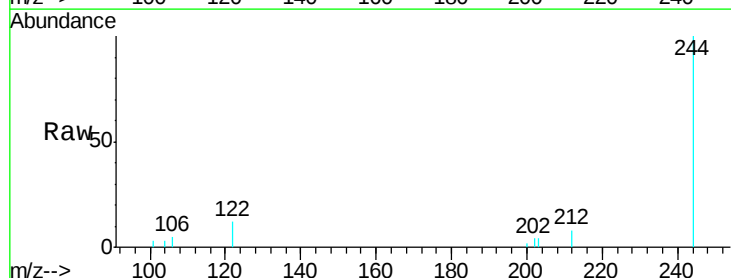
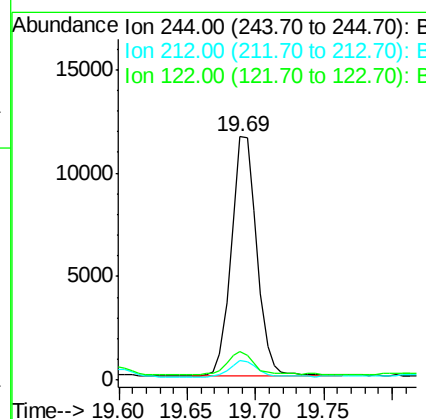
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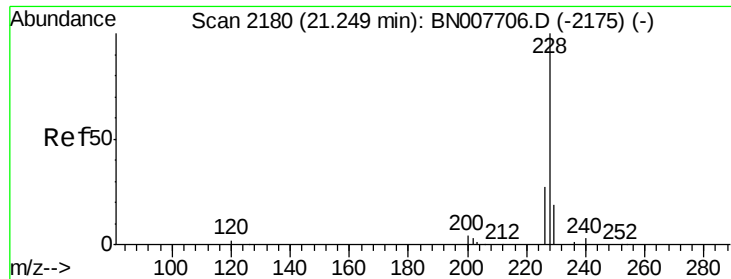
mohammad
 10/7/2019 4:39:40 PM



#29
 Terphenyl-d14
 Concen: 0.233 ng
 RT: 19.69 min Scan# 1999
 Delta R.T. -0.02 min
 Lab File: BN008026.D
 Acq: 05 Oct 2019 15:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.3	5.9	8.9
122	11.7	7.4	11.2#





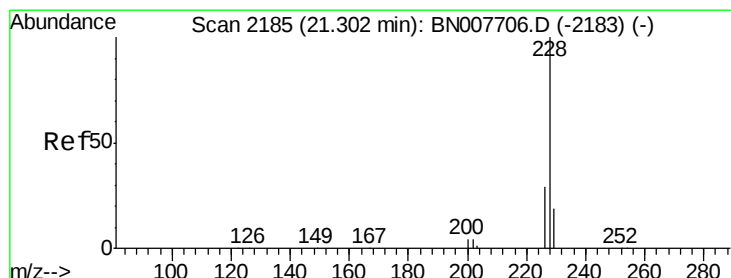
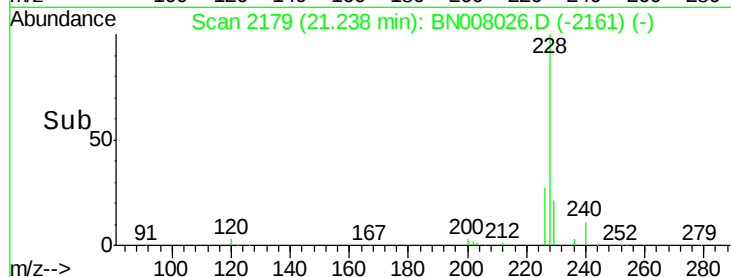
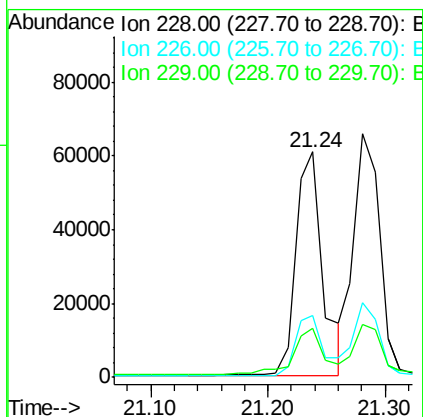
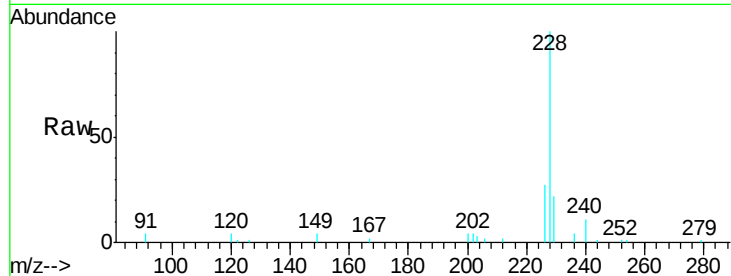
#30
Benzo(a)anthracene
Concen: 1.013 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN008026.D
Acq: 05 Oct 2019 15:16

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	21.9	15.8	23.6

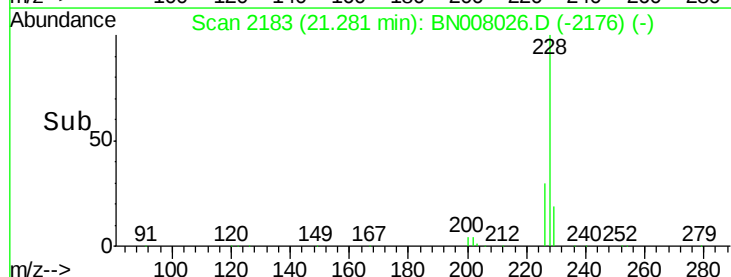
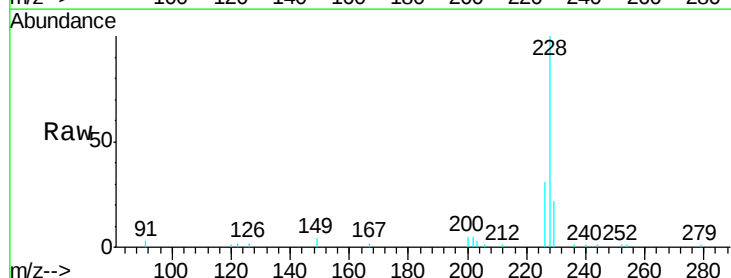
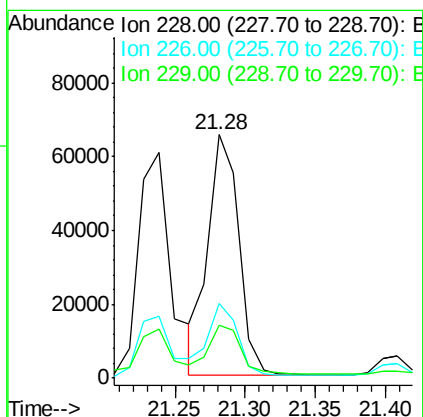
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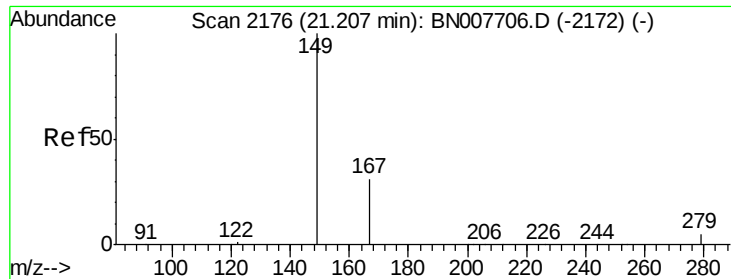
mohammad
10/7/2019 4:39:40 PM



#31
Chrysene
Concen: 1.061 ng
RT: 21.28 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BN008026.D
Acq: 05 Oct 2019 15:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9
229	21.9	15.8	23.6





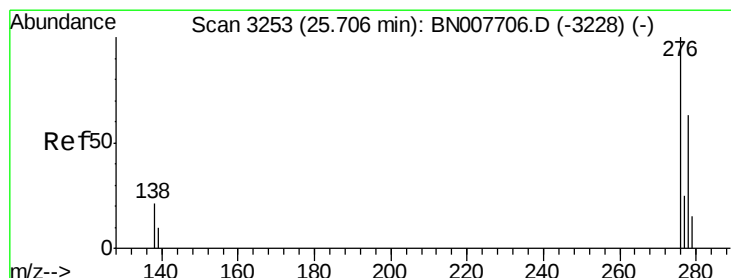
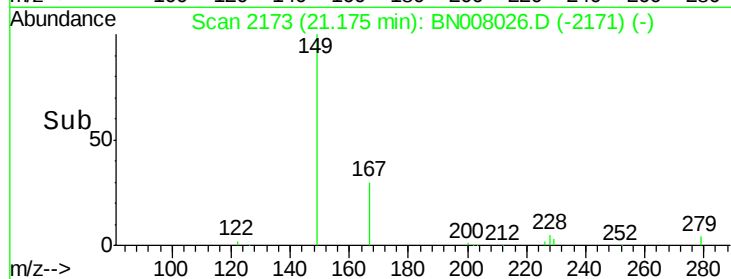
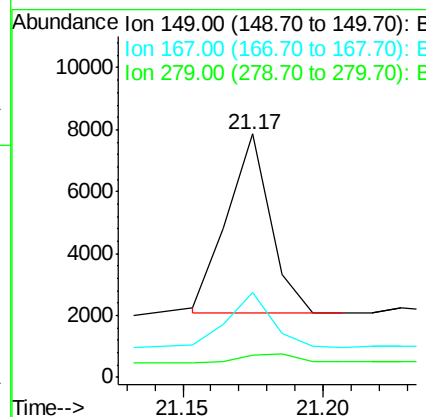
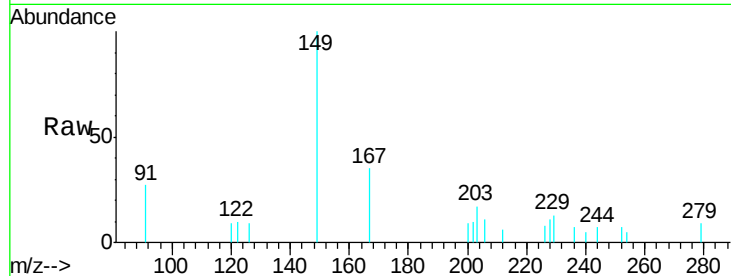
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.127 ng
 RT: 21.17 min Scan# 2173
 Delta R.T. -0.03 min
 Lab File: BN008026.D
 Acq: 05 Oct 2019 15:16

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW134-092519

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.3	23.7	35.5
279	6.3	4.2	6.2#

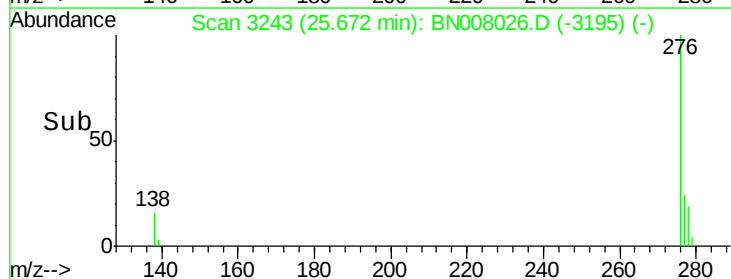
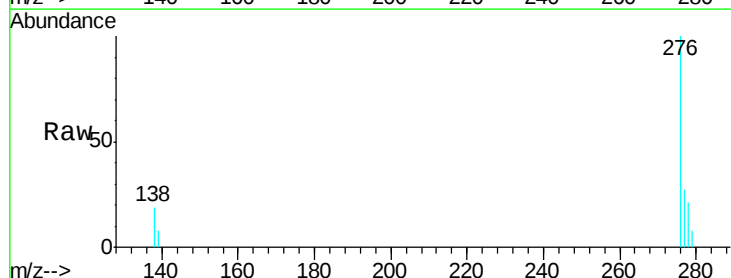
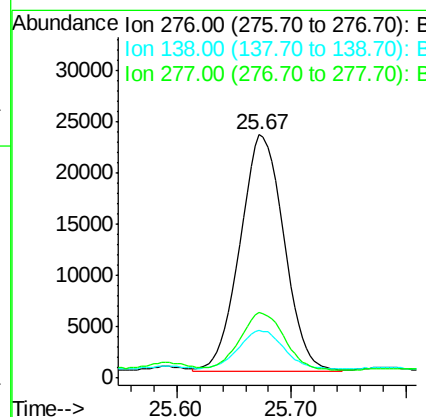
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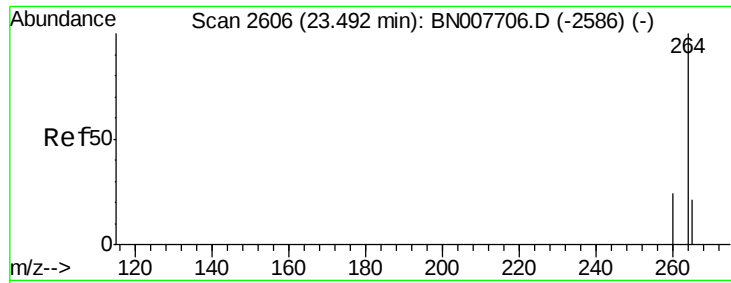
mohammad
 10/7/2019 4:39:40 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.521 ng
 RT: 25.67 min Scan# 3243
 Delta R.T. -0.03 min
 Lab File: BN008026.D
 Acq: 05 Oct 2019 15:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.6	17.1	25.7#
277	24.2	20.0	30.0





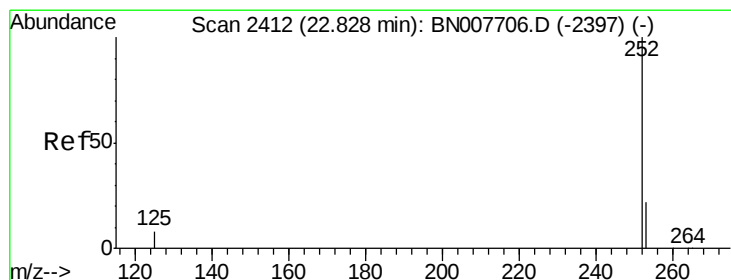
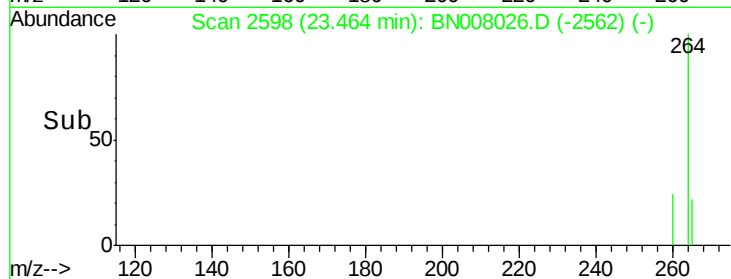
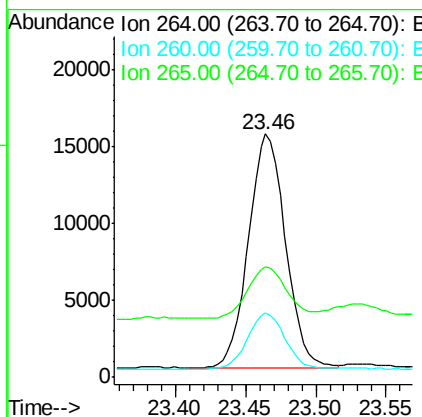
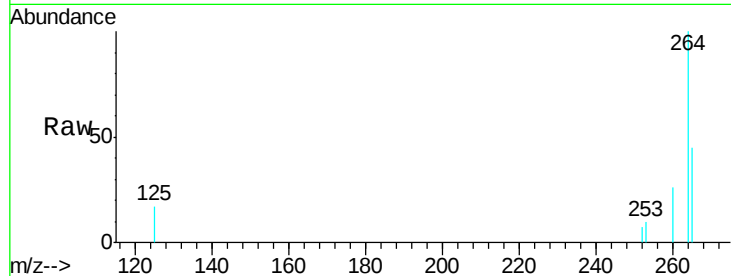
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.46 min Scan# 2598
 Delta R.T. -0.03 min
 Lab File: BN008026.D
 Acq: 05 Oct 2019 15:16

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW134-092519

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	26.2	19.3	28.9
265	45.5	26.9	40.3

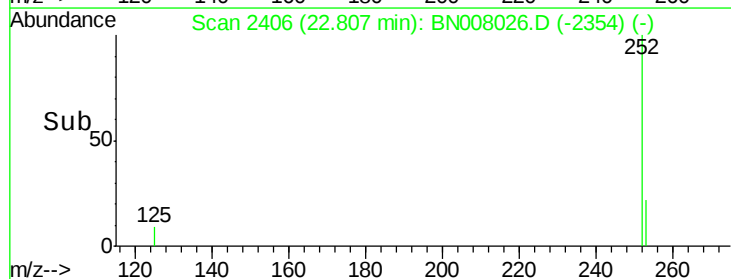
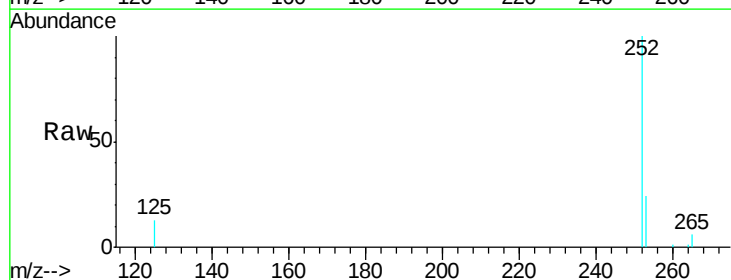
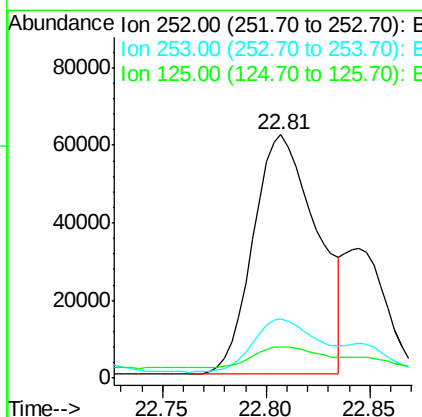
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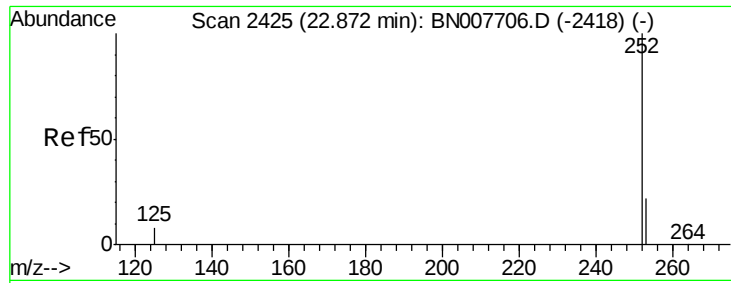
mohammad
 10/7/2019 4:39:40 PM



#35
 Benzo(b)fluoranthene
 Concen: 1.366 ng
 RT: 22.81 min Scan# 2406
 Delta R.T. -0.02 min
 Lab File: BN008026.D
 Acq: 05 Oct 2019 15:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.5	18.3	27.5
125	13.0	8.2	12.4





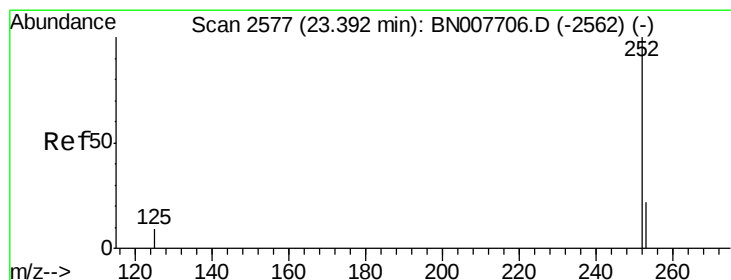
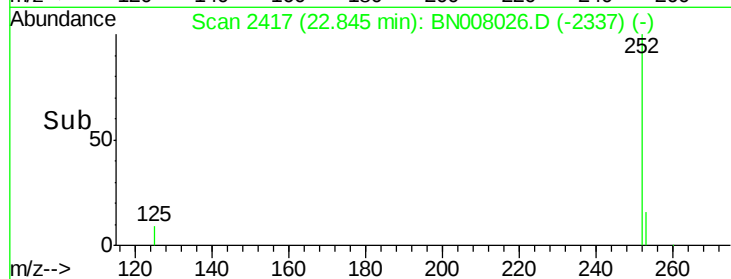
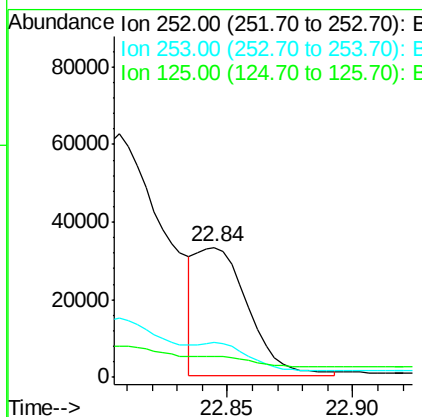
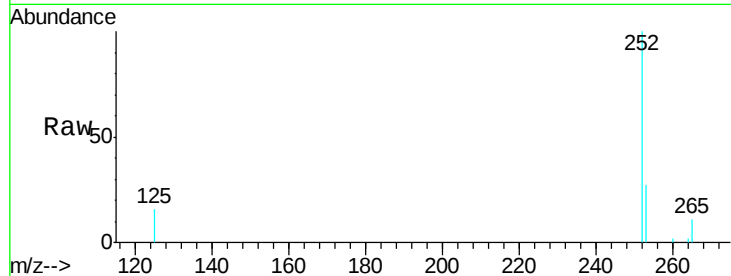
#36
Benzo(k)fluoranthene
Concen: 0.500 ng m
RT: 22.84 min Scan# 2417
Delta R.T. -0.03 min
Lab File: BN008026.D
Acq: 05 Oct 2019 15:16

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.5	27.7
125	16.5	8.4	12.6

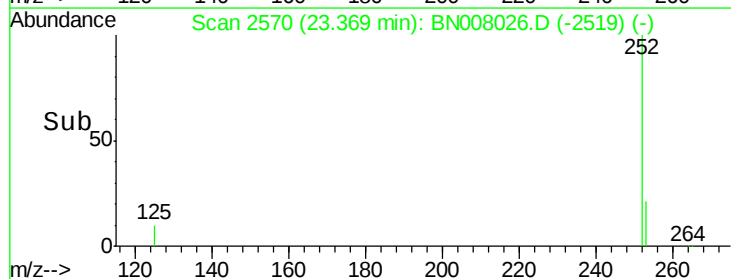
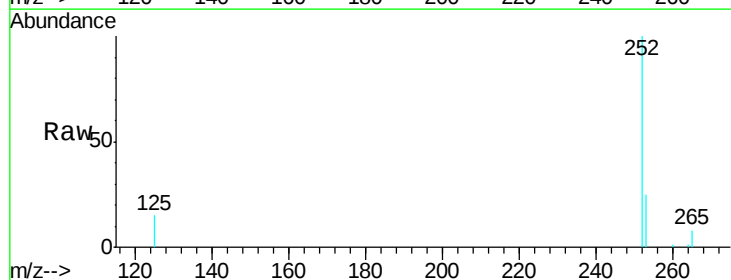
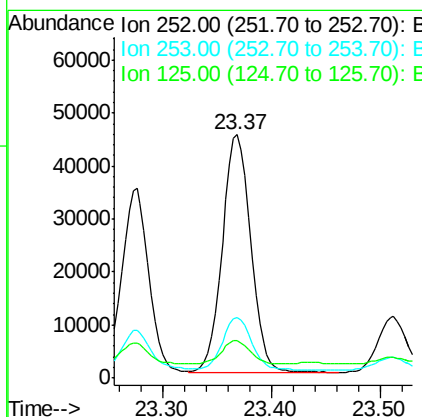
Manual Integrations
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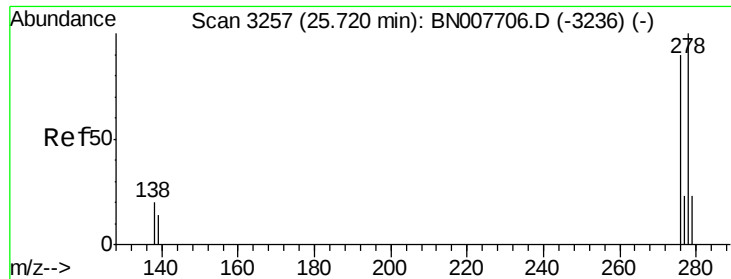
mohammad
10/7/2019 4:39:40 PM



#37
Benzo(a)pyrene
Concen: 0.891 ng
RT: 23.37 min Scan# 2570
Delta R.T. -0.02 min
Lab File: BN008026.D
Acq: 05 Oct 2019 15:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.6	27.8
125	15.5	9.4	14.0





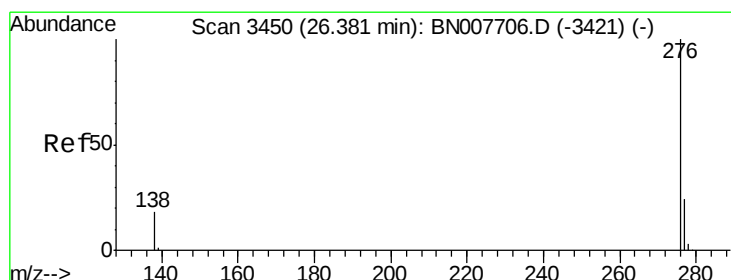
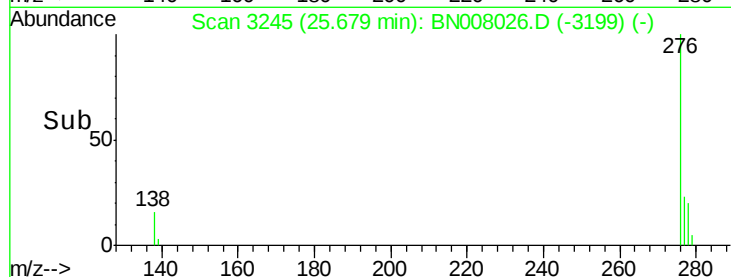
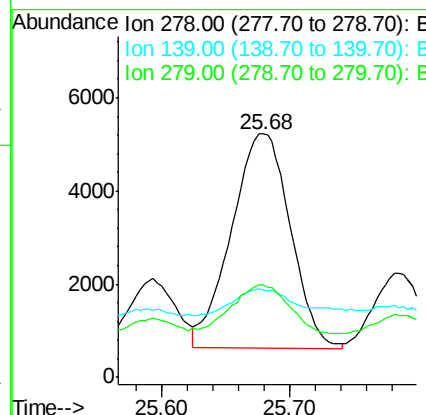
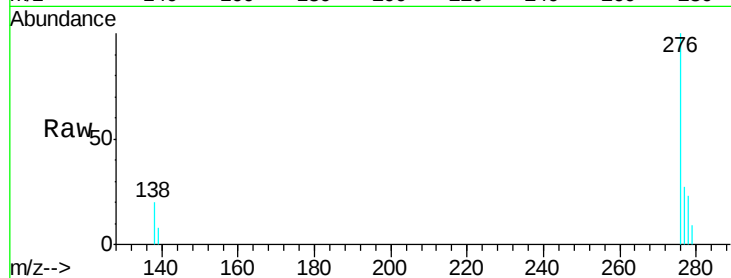
#38
Dibenzo(a,h)anthracene
Concen: 0.159 ng
RT: 25.68 min Scan# 3245
Delta R.T. -0.04 min
Lab File: BN008026.D
Acq: 05 Oct 2019 15:16

Instrument :
BNA_N
ClientSampleId :
PST-024-SW134-092519

Tgt Ion	Ratio	Lower	Upper
278	100		
139	36.1	11.8	17.6#
279	38.0	19.4	29.2#

Manual Integrations
APPROVED

mohammad
10/7/2019 4:39:40 PM



#39
Benzo(g,h,i)perylene
Concen: 0.615 ng
RT: 26.35 min Scan# 3441
Delta R.T. -0.03 min
Lab File: BN008026.D
Acq: 05 Oct 2019 15:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	19.8	29.8
138	20.4	15.1	22.7

