

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN093019\
 Data File : BN007902.D
 Acq On : 30 Sep 2019 18:25
 Operator : JU
 Sample : K5078-18
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW133-092519

Manual Integrations
 APPROVED

mohammad
 10/2/2019 8:21:36 AM

Quant Time: Oct 01 07:33:05 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Sep 18 18:24:40 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	7119	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	27445	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	15400	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	28987	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	31365	0.40	ng	-0.01
34) Perylene-d12	23.48	264	37685	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.30	112	3994	0.16	ng	-0.02
5) Phenol-d6	6.86	99	5656	0.18	ng	0.00
8) Nitrobenzene-d5	8.82	82	5076	0.21	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	9608	0.21	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	1292	0.15	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	13004	0.21	ng	-0.01
25) Fluoranthene-d10	19.10	212	20069	0.21	ng	0.00
29) Terphenyl-d14	19.70	244	16477	0.21	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.51	128	7206	0.094	ng	# 96
12) 2-Methylnaphthalene	12.12	142	6347	0.122	ng	97
16) Acenaphthylene	14.03	152	111297	1.363	ng	100
17) Acenaphthene	14.38	154	4715	0.090	ng	91
18) Fluorene	15.37	166	20070	0.297	ng	# 74
23) Phenanthrene	17.10	178	262276	2.905	ng	100
24) Anthracene	17.19	178	64244	0.788	ng	99
26) Fluoranthene	19.13	202	291359	2.595	ng	98
28) Pyrene	19.49	202	457055	4.273	ng	97
30) Benzo(a)anthracene	21.25	228	179436m	1.554	ng	
31) Chrysene	21.29	228	262986	2.336	ng	97
32) Bis(2-ethylhexyl)phthalate	21.20	149	8494	0.143	ng	100
33) Indeno(1,2,3-cd)pyrene	25.69	276	124240	0.882	ng	97
35) Benzo(b)fluoranthene	22.82	252	220298m	1.684	ng	
36) Benzo(k)fluoranthene	22.86	252	79197m	0.612	ng	
37) Benzo(a)pyrene	23.38	252	185189	1.506	ng	99
38) Dibenzo(a,h)anthracene	25.69	278	35474	0.282	ng	# 86
39) Benzo(a,h,i)perylene	26.36	276	150636	1.210	ng	100

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

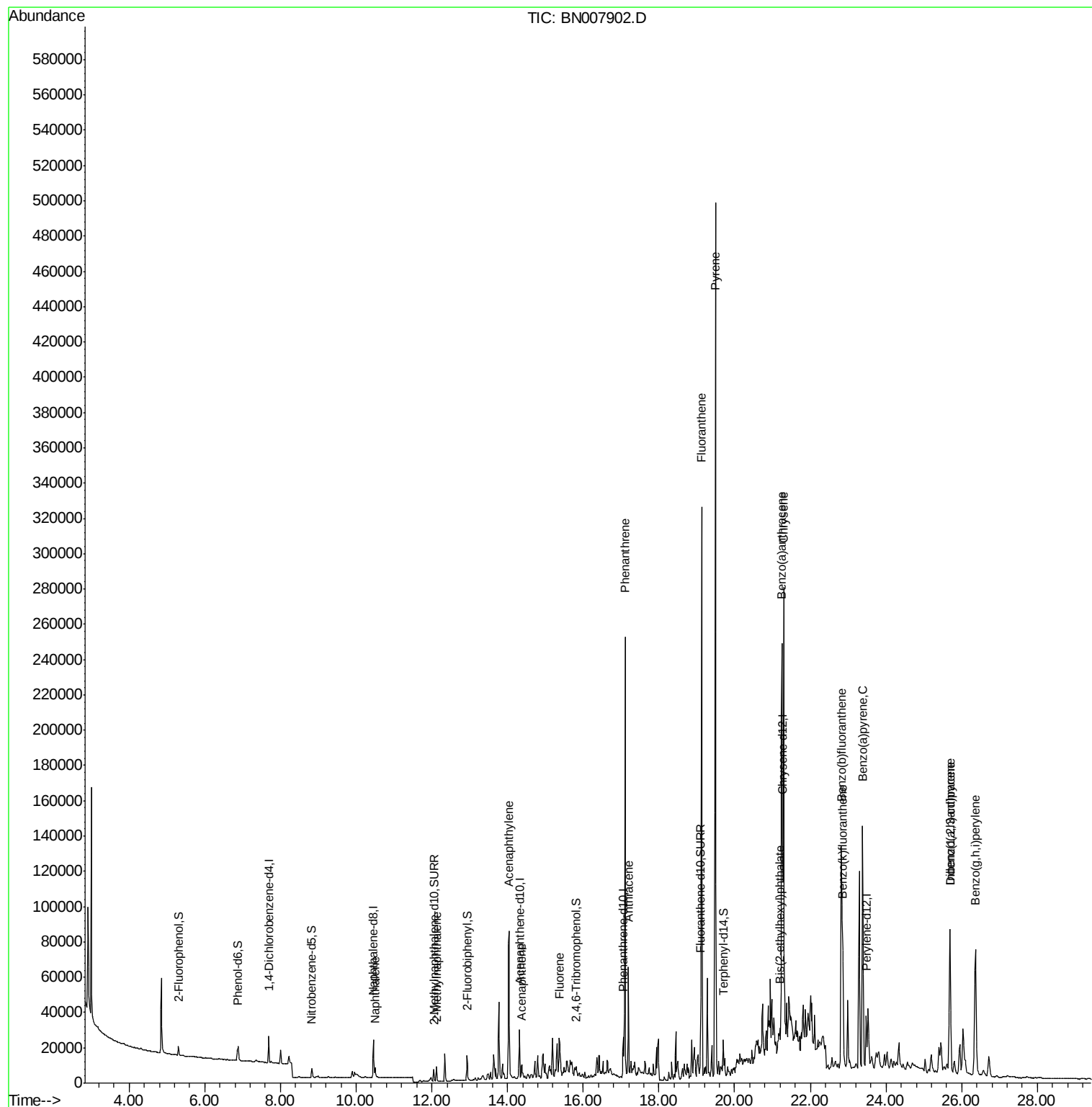
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN093019\
Data File : BN007902.D
Acq On : 30 Sep 2019 18:25
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Sample : K5078-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

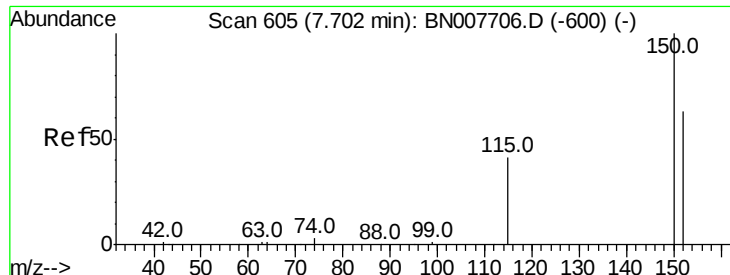
Instrument :
BNA_N
ClientSampleId :
PST-024-SW133-092519

Manual Integrations
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10/2/2019 8:21:36 AM

Quant Time: Oct 01 07:33:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

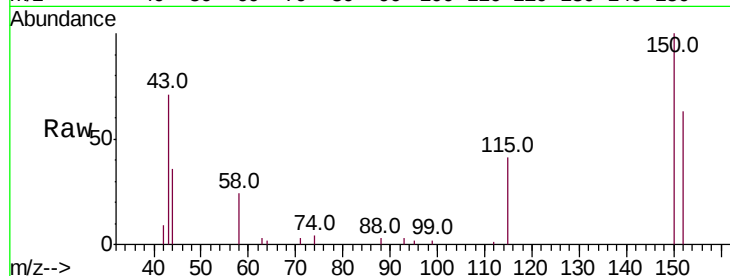
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Instrument :
BNA_N
ClientSampleId :
PST-024-SW133-092519

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	125.6	188.4
115	66.0	53.3	79.9

Manual Integrations
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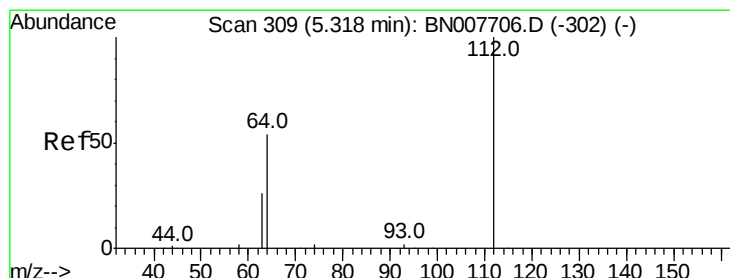
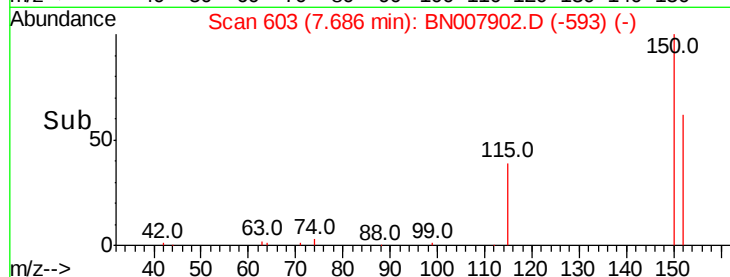
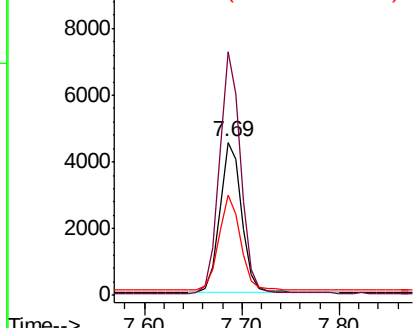


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

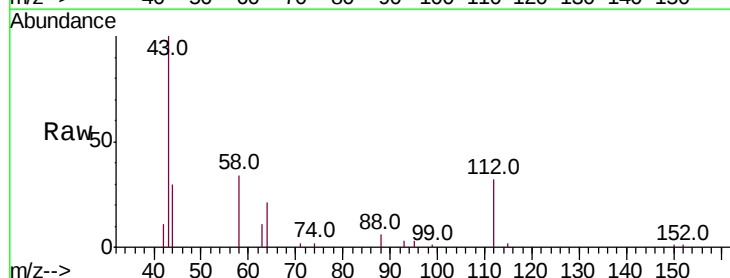
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.163 ng
RT: 5.30 min Scan# 307
Delta R.T. -0.02 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	46.6	70.0
63	28.0	23.1	34.7

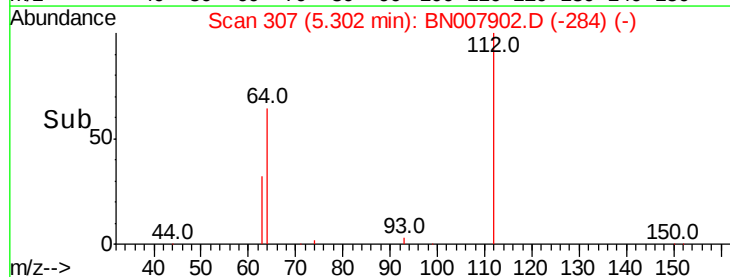
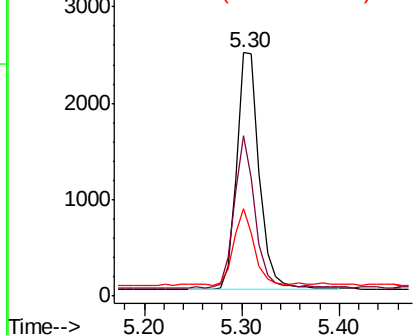


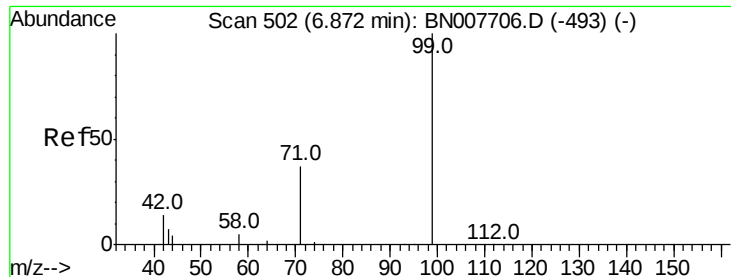
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.182 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007902.D

Acq: 30 Sep 2019 18:25

Instrument :

BNA_N

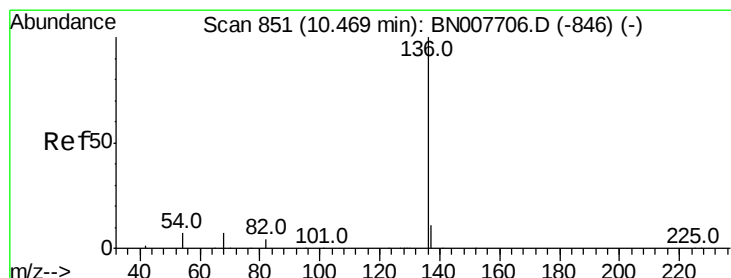
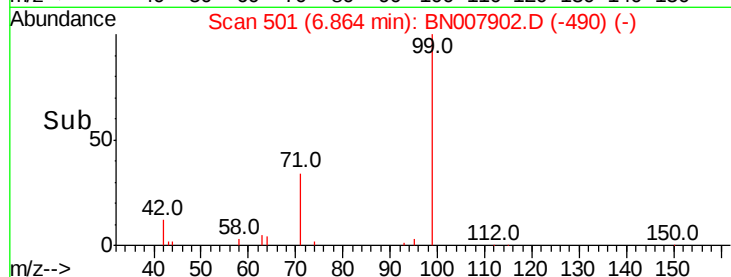
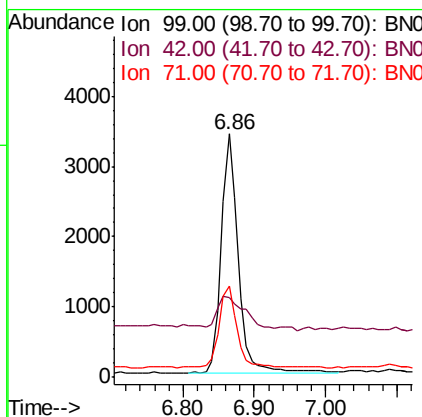
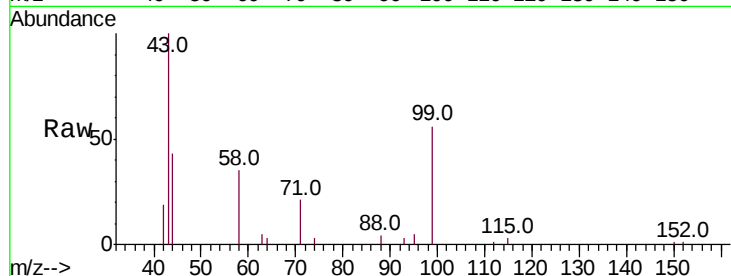
ClientSampleId :

PST-024-SW133-092519

Tot Ion:	99	Resp:	5656
Ion Ratio	Lower	Upper	
99	100		
42	20.6	12.8	19.2#
71	36.6	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

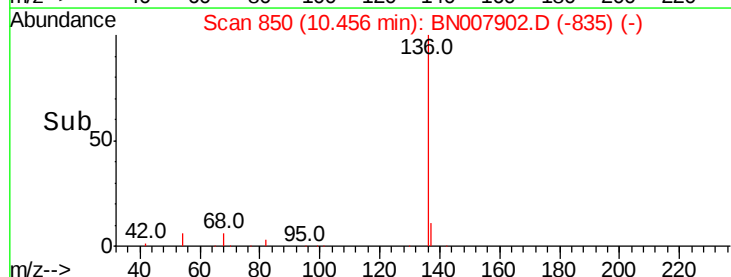
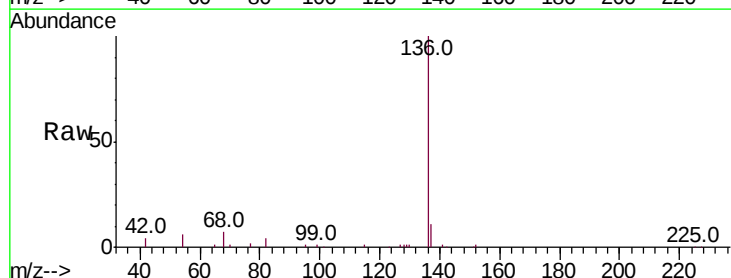
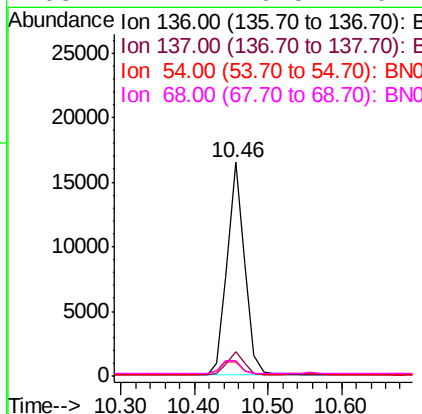
RT: 10.46 min Scan# 850

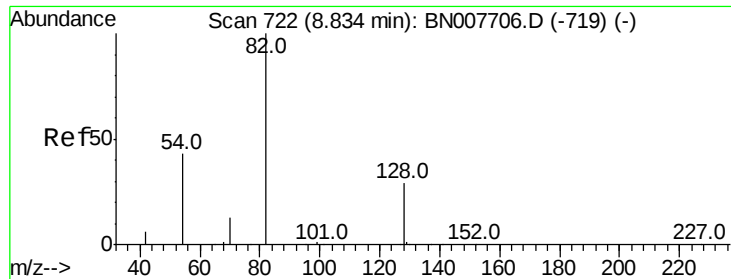
Delta R.T. -0.01 min

Lab File: BN007902.D

Acq: 30 Sep 2019 18:25

Tgt Ion:	136	Resp:	27445
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.2	13.8
54	6.4	5.8	8.8
68	7.2	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.211 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007902.D

Acq: 30 Sep 2019 18:25

Instrument :

BNA_N

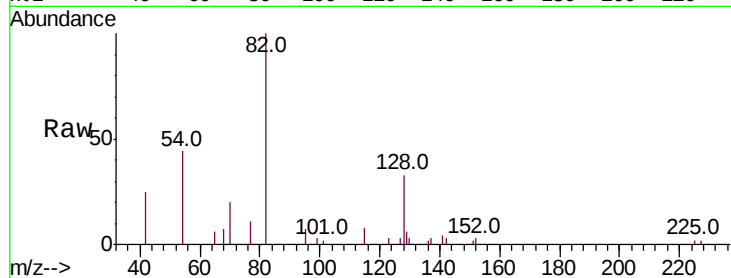
ClientSampleId :

PST-024-SW133-092519

Tot Ion:	82	Resp:	5076
Ion	Ratio	Lower	Upper
82	100		
128	32.6	24.5	36.7
54	44.3	35.2	52.8

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Abundance Ion 82.00 (81.70 to 82.70): BN007706.D (-719) (-)

Ion 128.00 (127.70 to 128.70): BN007706.D (-719) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-719) (-)

8.82

3000

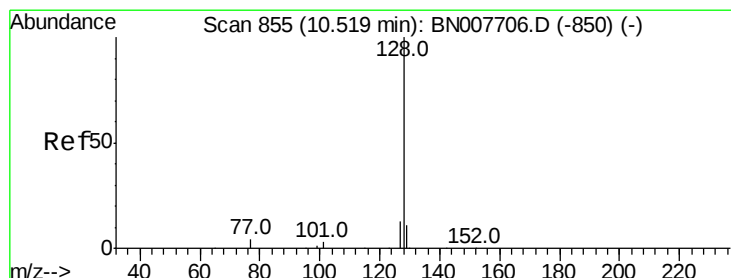
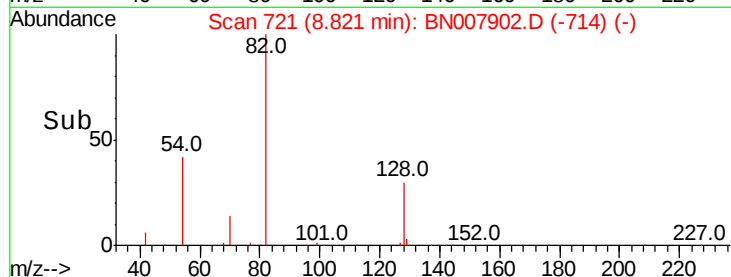
2000

1000

0

8.70 8.75 8.80 8.85 8.90

Time-->



#9

Naphthalene

Concen: 0.094 ng

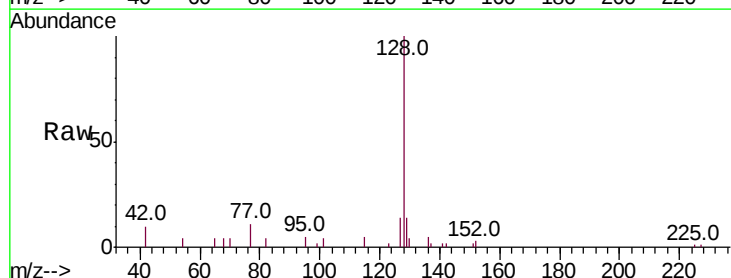
RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN007902.D

Acq: 30 Sep 2019 18:25

Tgt Ion:	128	Resp:	7206
Ion	Ratio	Lower	Upper
128	100		
129	13.7	9.1	13.7#
127	14.3	10.6	15.8



Abundance Ion 128.00 (127.70 to 128.70): BN007706.D (-850) (-)

Ion 129.00 (128.70 to 129.70): BN007706.D (-850) (-)

Ion 127.00 (126.70 to 127.70): BN007706.D (-850) (-)

10.51

5000

4000

3000

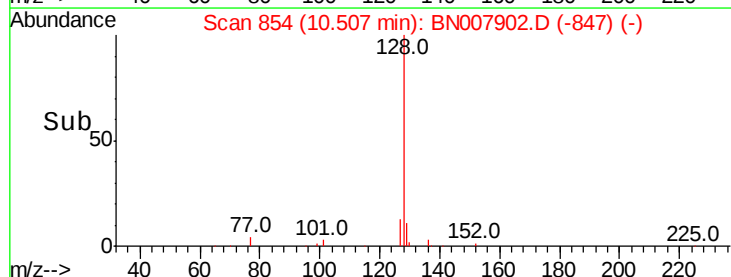
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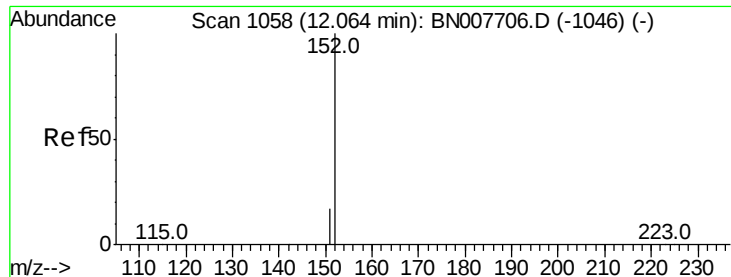
1000

0

10.40 10.50 10.60 10.70

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.208 ng

RT: 12.05 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BN007902.D

Acq: 30 Sep 2019 18:25

Instrument :

BNA_N

ClientSampleId :

PST-024-SW133-092519

Tot Ion:152 Resp: 9608

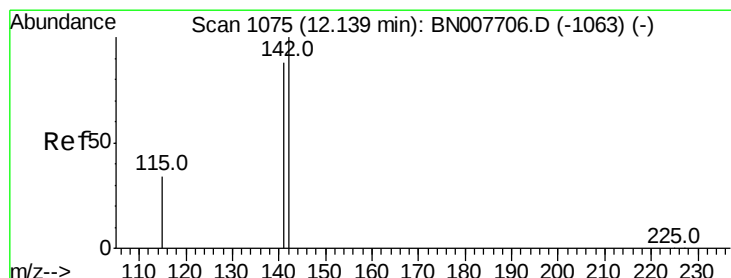
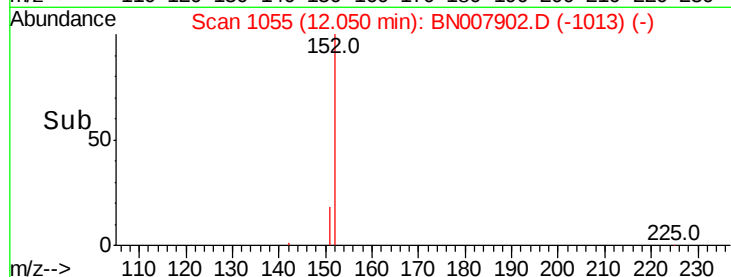
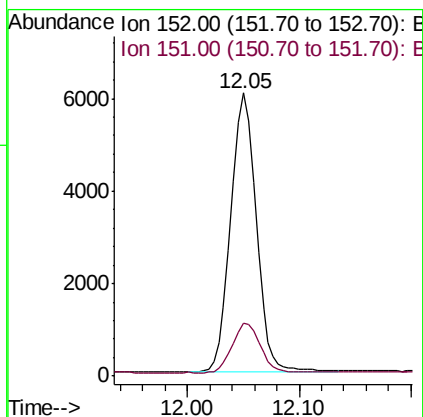
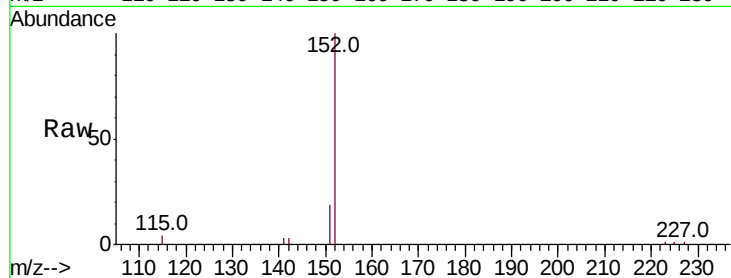
Ion Ratio Lower Upper

152 100

151 19.7 15.4 23.2

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#12

2-Methylnaphthalene

Concen: 0.122 ng

RT: 12.12 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BN007902.D

Acq: 30 Sep 2019 18:25

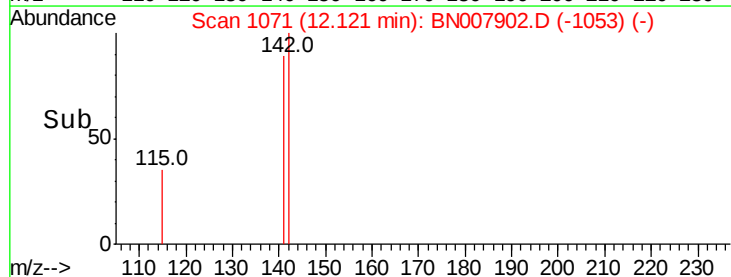
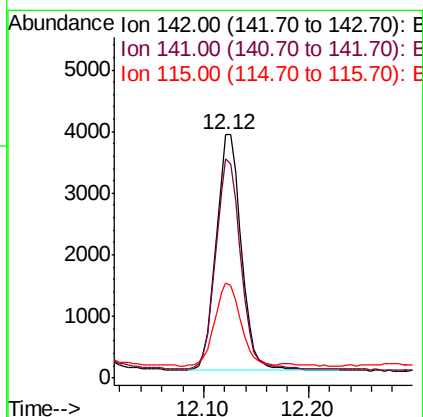
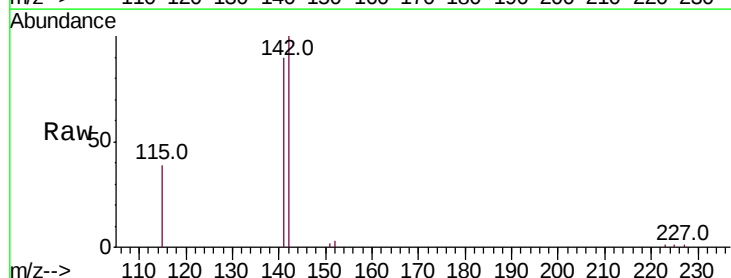
Tgt Ion:142 Resp: 6347

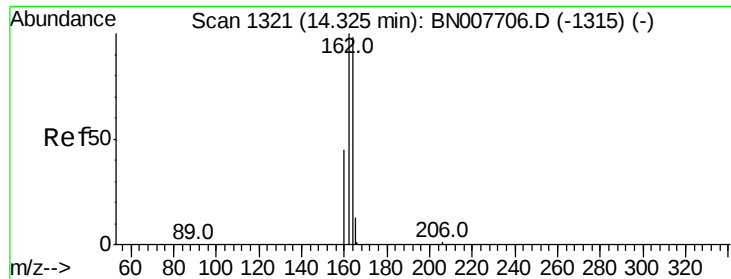
Ion Ratio Lower Upper

142 100

141 90.3 70.6 106.0

115 39.2 28.3 42.5





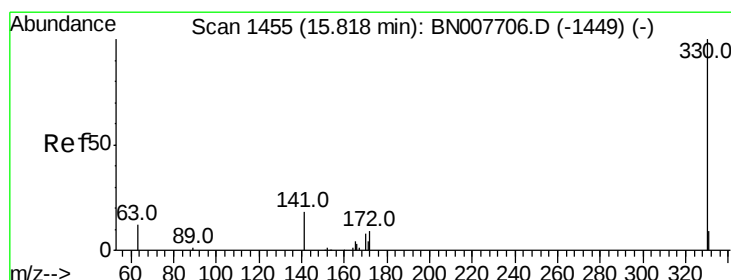
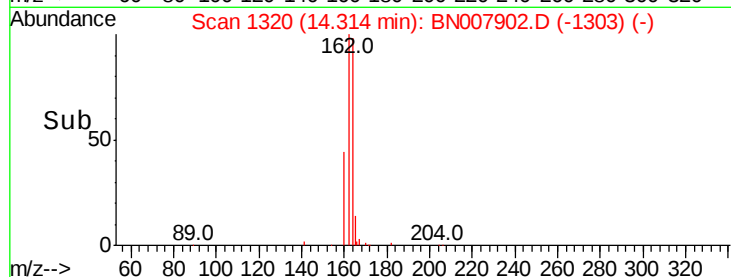
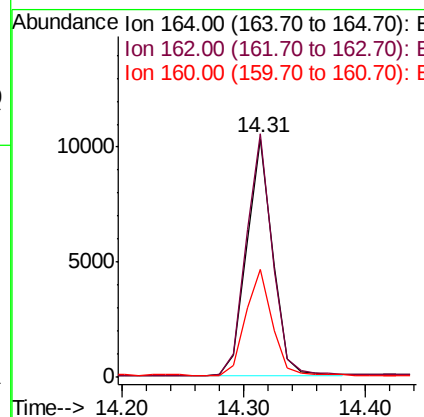
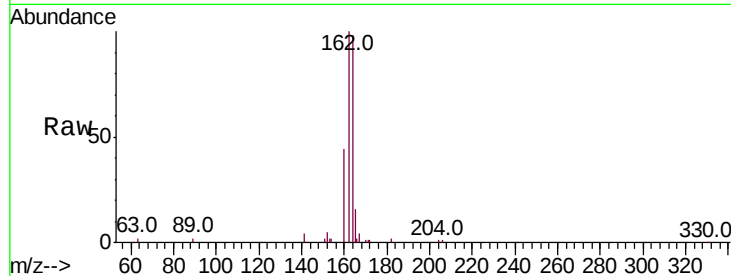
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Instrument :
BNA_N
ClientSampleId :
PST-024-SW133-092519

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.7	122.5
160	45.2	37.0	55.4

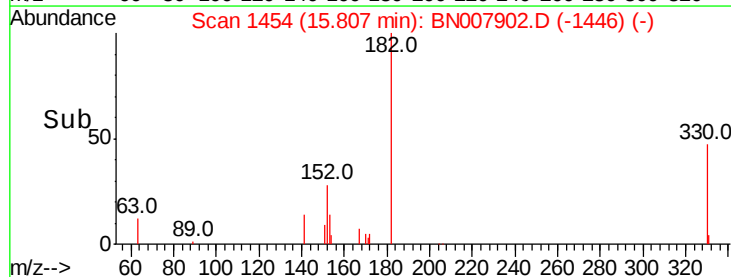
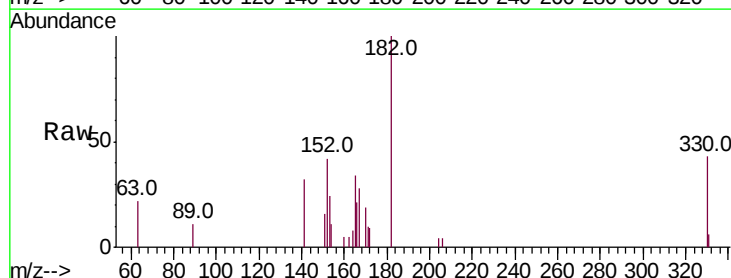
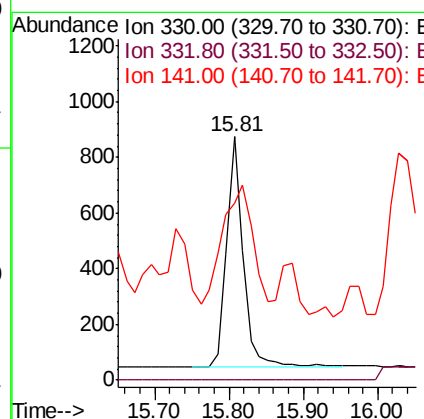
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#14
2,4,6-Tribromophenol
Concen: 0.154 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	93.2	28.7	43.1#





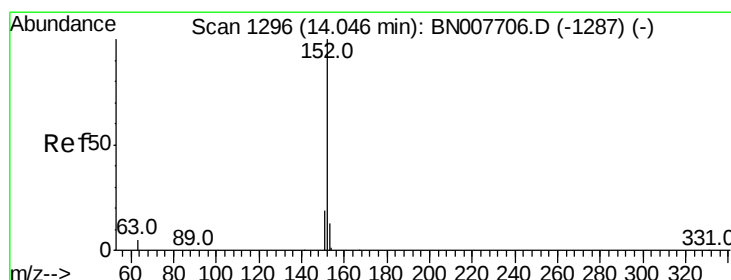
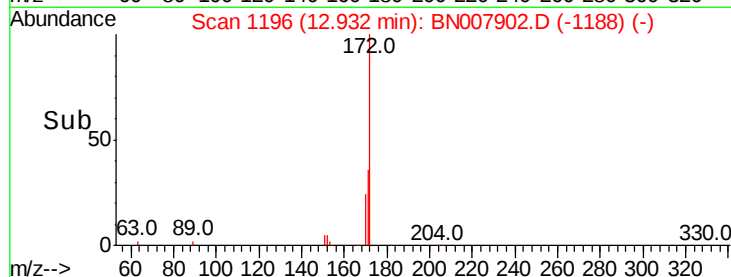
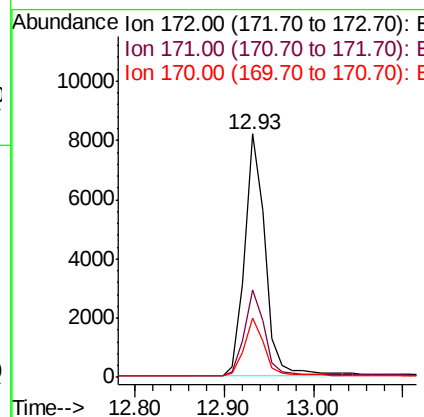
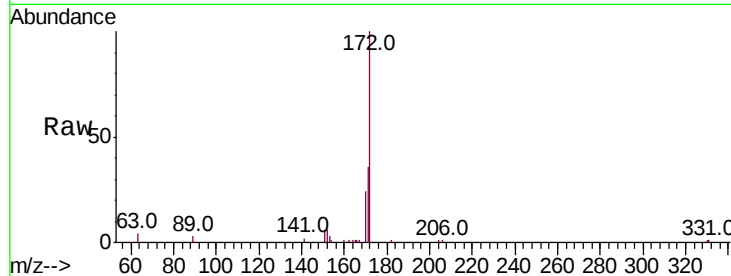
#15
2-Fluorobiphenyl
Concen: 0.205 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Instrument :
BNA_N
ClientSampleId :
PST-024-SW133-092519

Tot Ion:	172	Resp:	13004
Ion Ratio	Lower	Upper	
172	100		
171	36.1	28.8	43.2
170	24.1	19.5	29.3

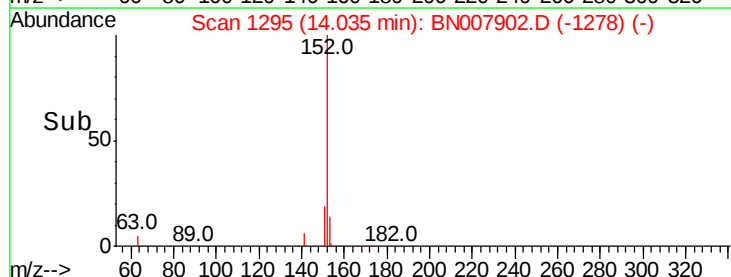
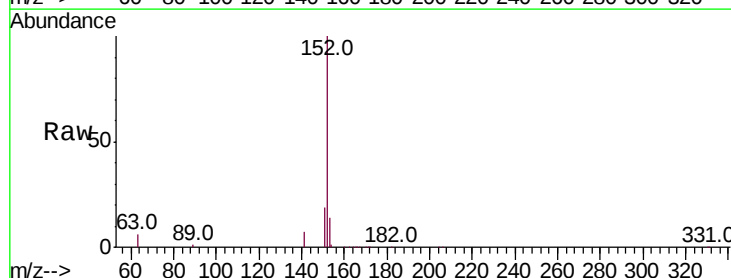
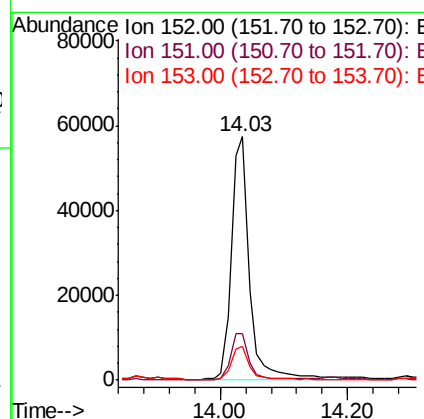
Manual Integrations
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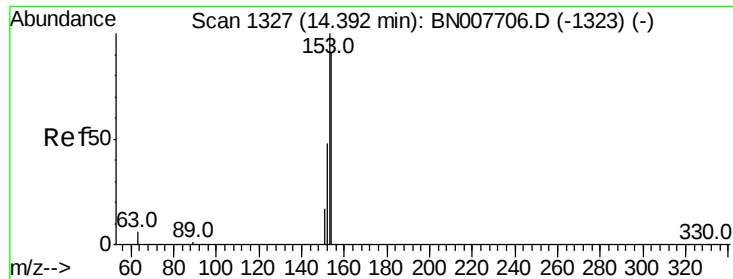
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10/2/2019 8:21:36 AM



#16
Acenaphthylene
Concen: 1.363 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Tgt Ion:	152	Resp:	111297
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.5	23.3
153	13.5	10.4	15.6





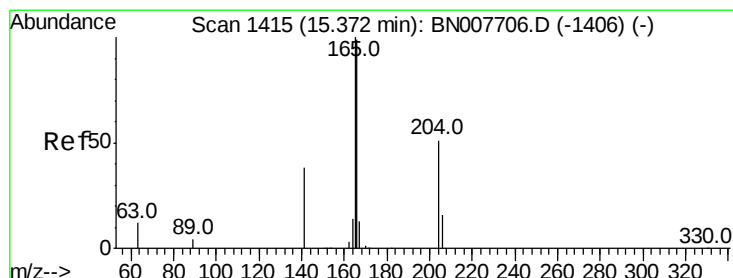
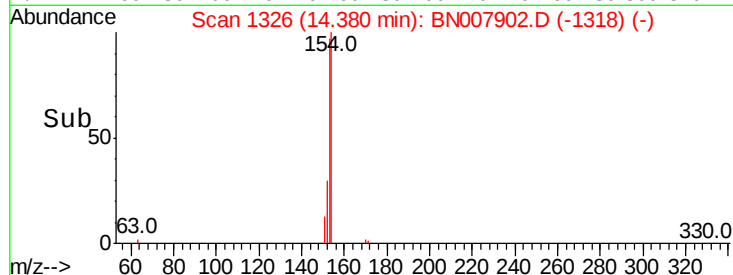
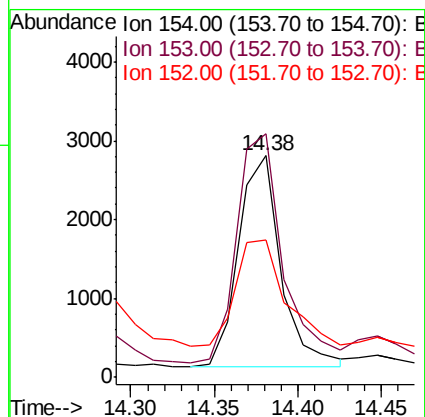
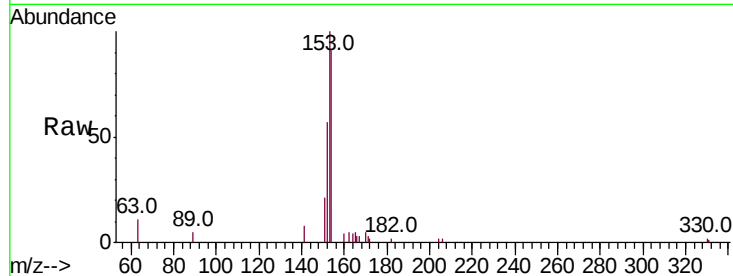
#17
Acenaphthene
Concen: 0.090 ng
RT: 14.38 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Instrument :
BNA_N
ClientSampleId :
PST-024-SW133-092519

Tot Ion	Ratio	Lower	Upper
154	100		
153	119.0	87.0	130.4
152	59.3	42.7	64.1

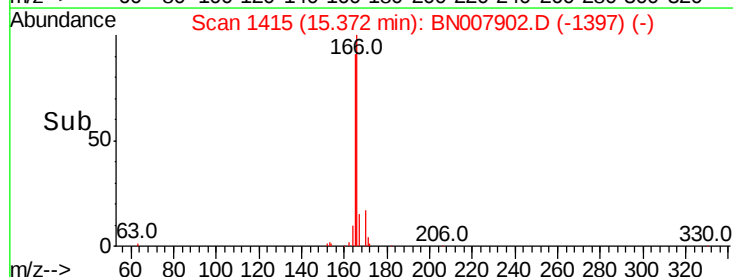
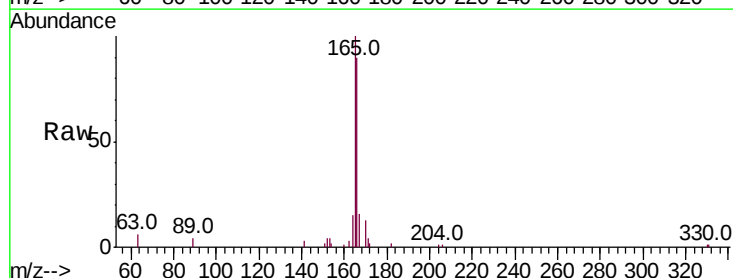
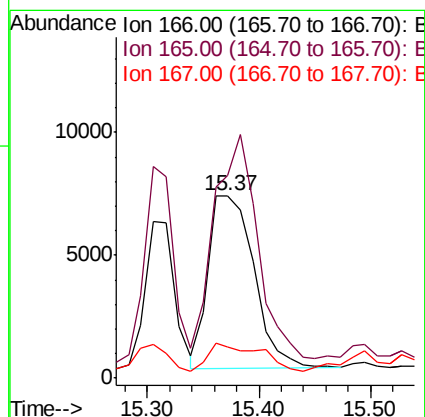
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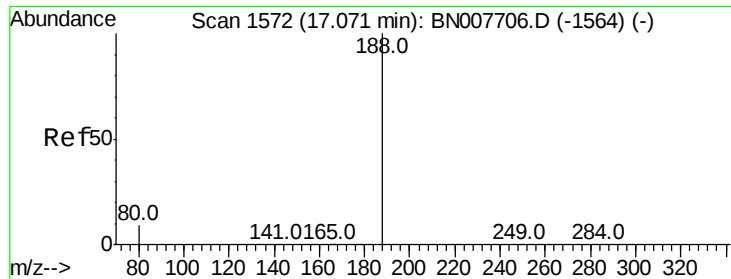
mohammad
10/2/2019 8:21:36 AM



#18
Fluorene
Concen: 0.297 ng
RT: 15.37 min Scan# 1415
Delta R.T. -0.00 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Tgt Ion	Ratio	Lower	Upper
166	100		
165	121.7	78.0	117.0#
167	0.0	10.9	16.3#





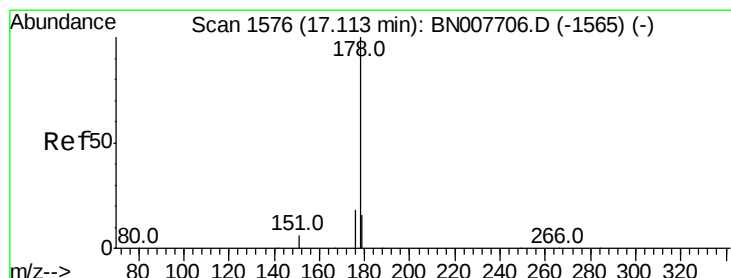
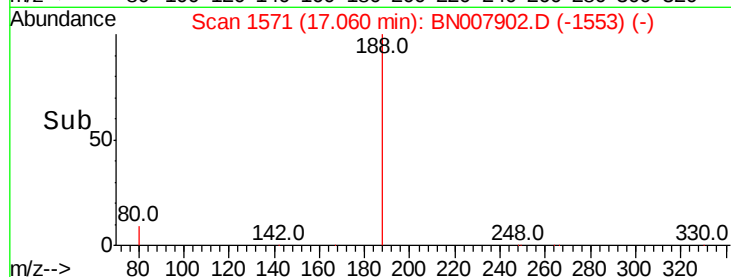
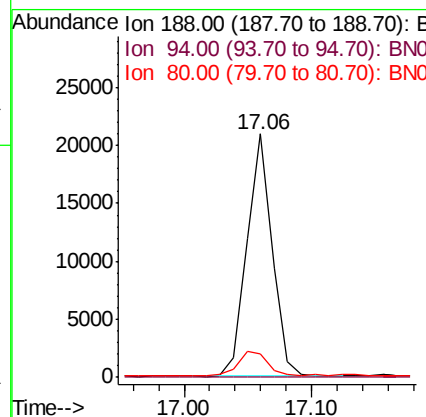
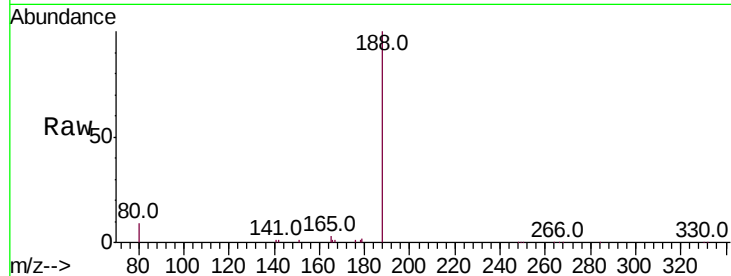
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Instrument :
BNA_N
ClientSampleId :
PST-024-SW133-092519

Tot Ion	Ratio	Resp	Lower	Upper
188	100	28987		
94	0.0	0.0	0.0	0.0
80	9.5	7.4	11.2	

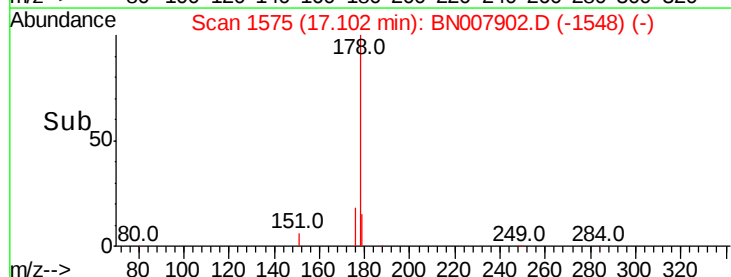
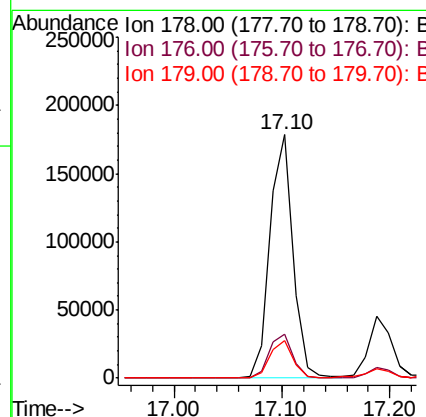
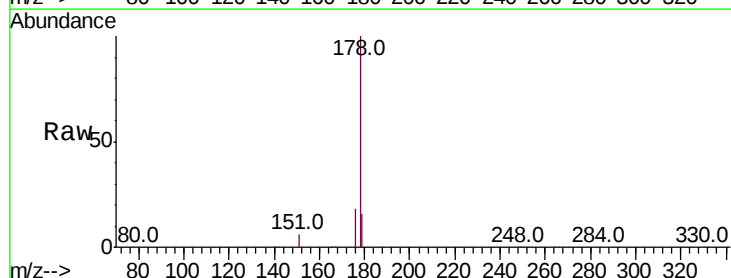
Manual Integrations
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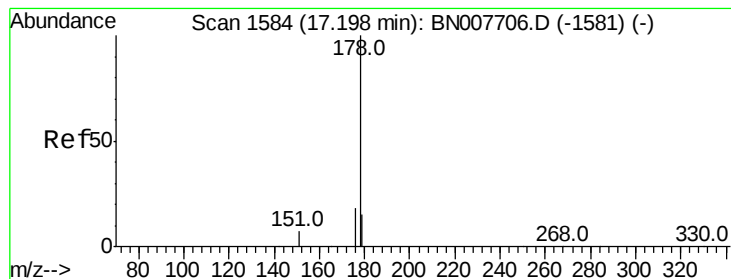
mohammad
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#23
Phenanthrene
Concen: 2.905 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	262276		
176	18.6	14.9	22.3	
179	15.6	12.5	18.7	





#24

Anthracene

Concen: 0.788 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007902.D

Acq: 30 Sep 2019 18:25

Instrument :

BNA_N

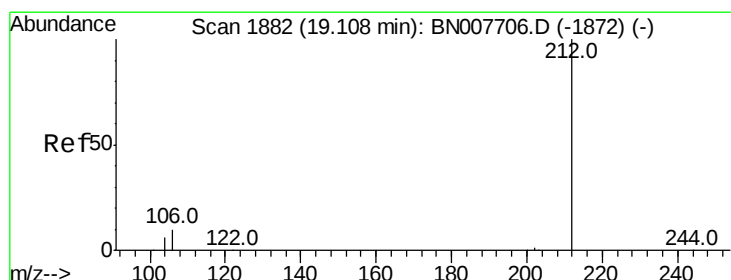
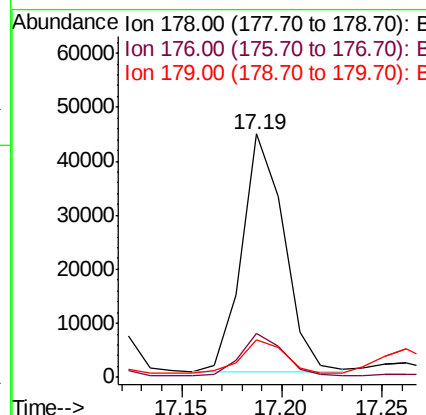
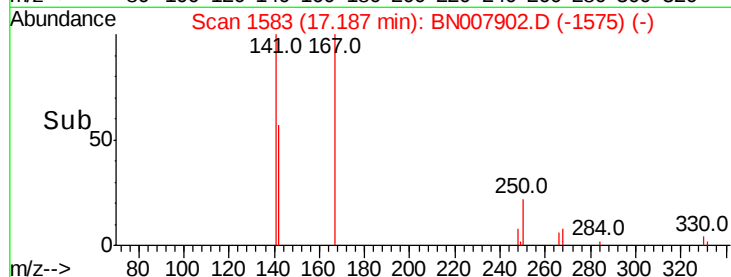
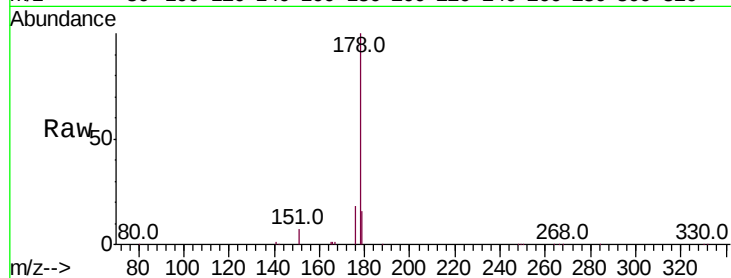
ClientSampleId :

PST-024-SW133-092519

Tot Ion:178	Resp:	64244
Ion Ratio	Lower	Upper
178	100	
176	17.8	14.6 21.8
179	14.7	12.2 18.4

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#25

Fluoranthene-d10

Concen: 0.205 ng

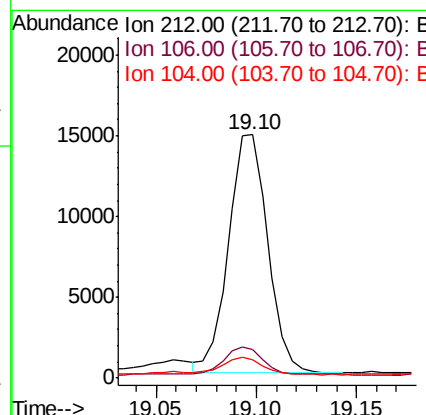
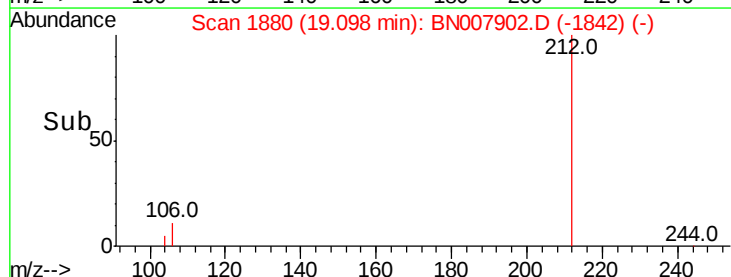
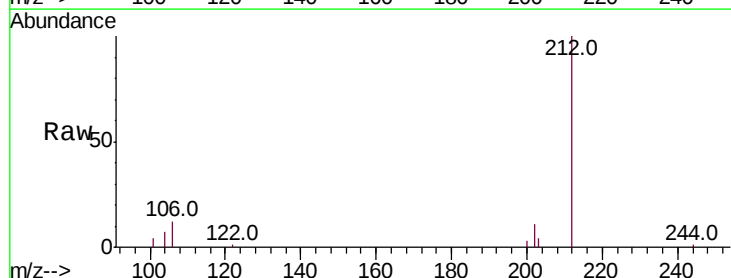
RT: 19.10 min Scan# 1880

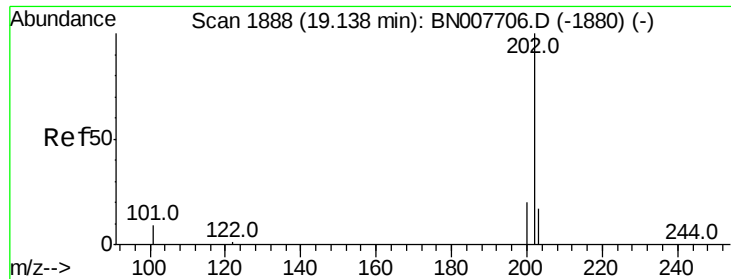
Delta R.T. -0.01 min

Lab File: BN007902.D

Acq: 30 Sep 2019 18:25

Tgt Ion:212	Resp:	20069
Ion Ratio	Lower	Upper
212	100	
106	11.0	9.4 14.0
104	7.4	5.3 7.9





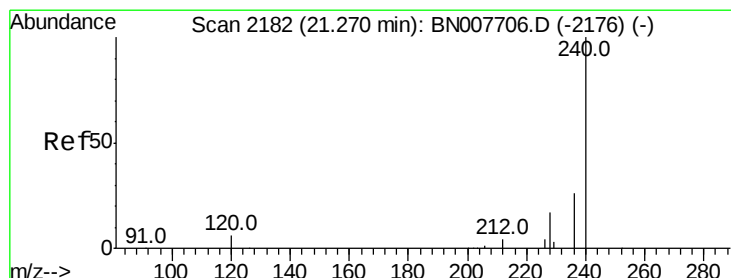
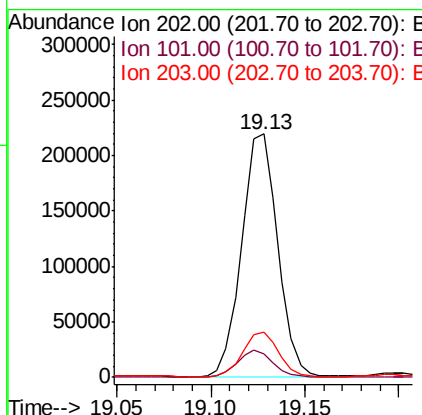
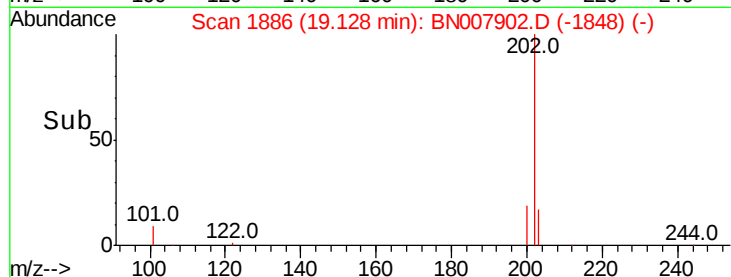
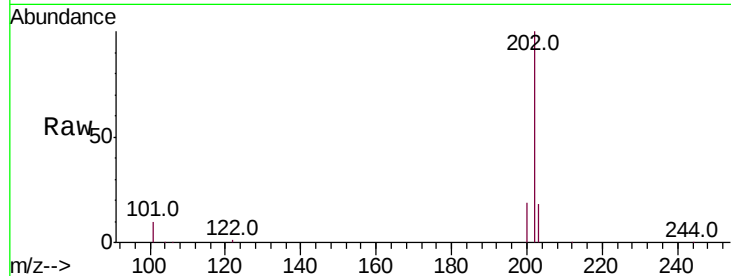
#26
Fluoranthene
Concen: 2.595 ng
RT: 19.13 min Scan# 1886
Delta R.T. -0.01 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Instrument :
BNA_N
ClientSampleId :
PST-024-SW133-092519

Tot Ion	Ratio	Resp	Lower	Upper
202	100	291359		
101	10.8	8.4	12.6	
203	18.2	13.8	20.8	

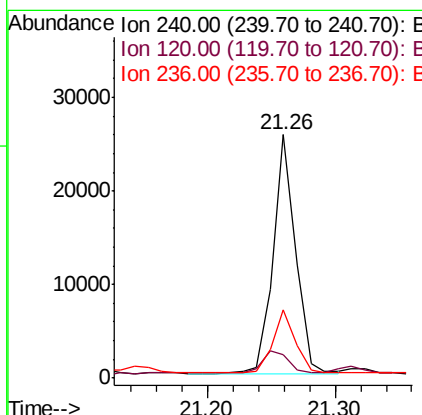
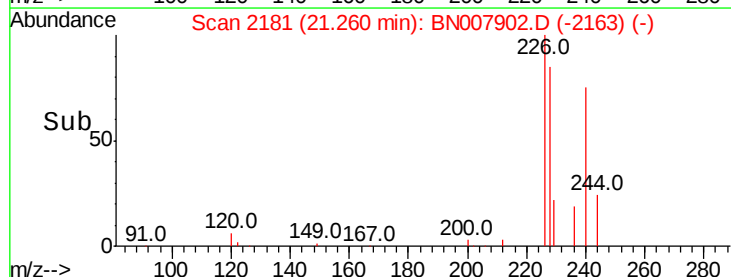
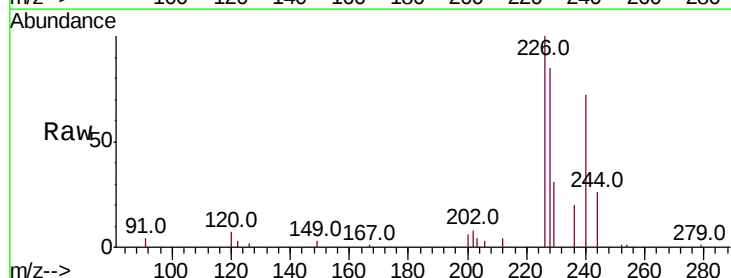
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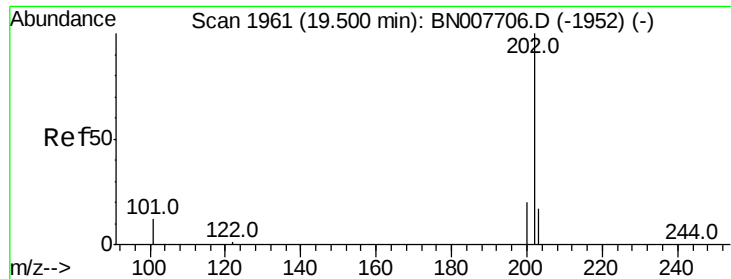
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	31365		
120	9.4	5.4	8.2#	
236	28.1	21.0	31.4	





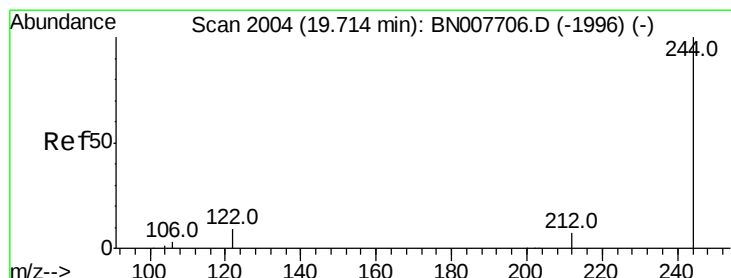
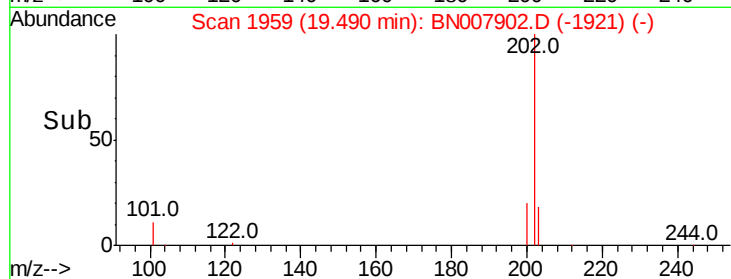
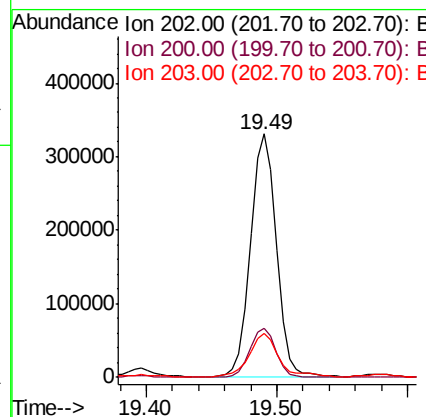
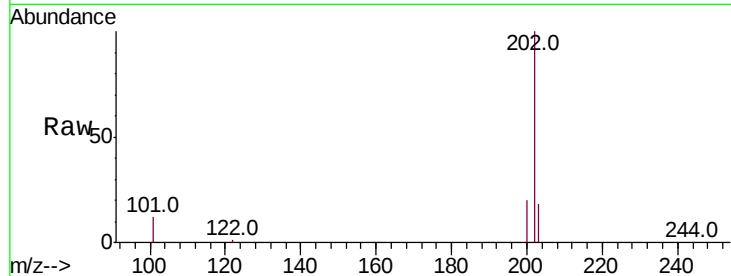
#28
Pvrene
Concen: 4.273 ng
RT: 19.49 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Instrument :
BNA_N
ClientSampleId :
PST-024-SW133-092519

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.4	16.4	24.6
203	19.9	14.1	21.1

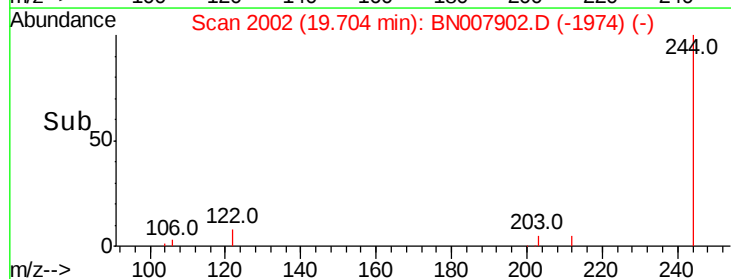
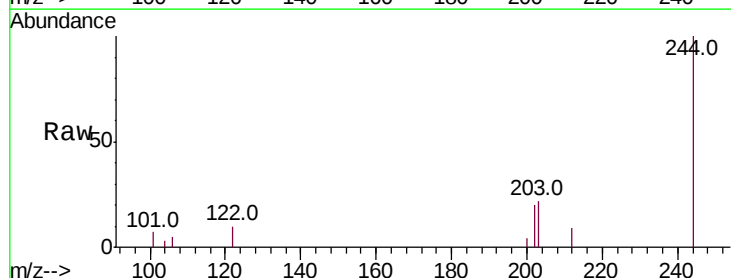
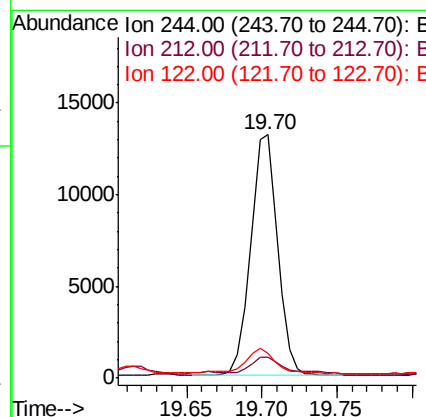
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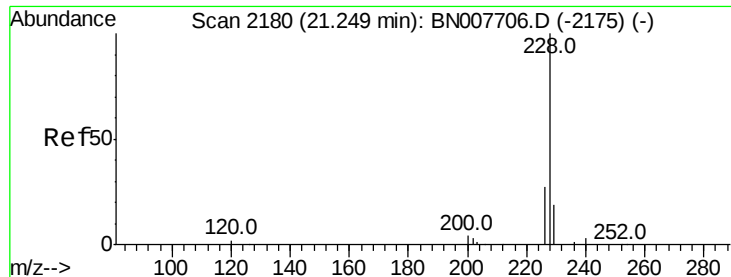
mohammad
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#29
Terphenyl-d14
Concen: 0.214 ng
RT: 19.70 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.7	5.9	8.9
122	10.4	7.4	11.2





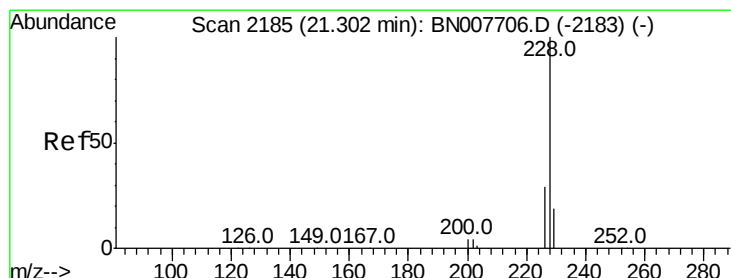
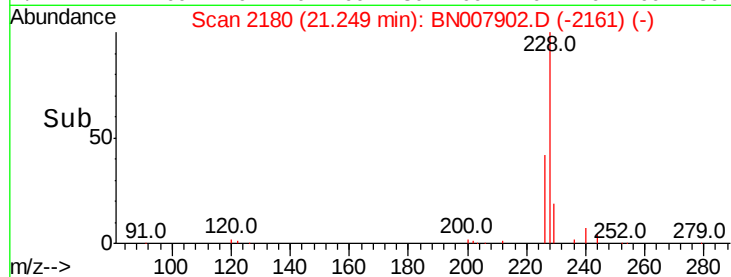
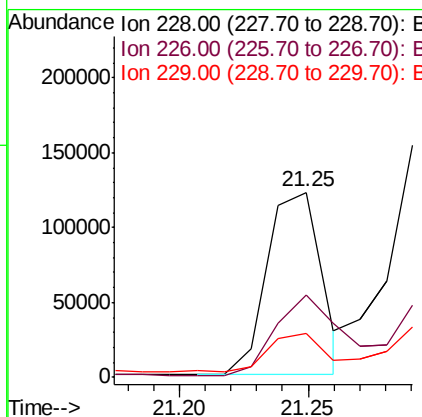
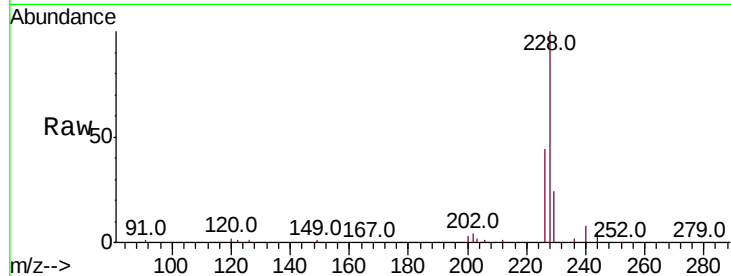
#30
Benzo(a)anthracene
Concen: 1.554 ng m
RT: 21.25 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Instrument :
BNA_N
ClientSampleId :
PST-024-SW133-092519

Tot Ion	Ratio	Lower	Upper
228	100		
226	44.2	22.1	33.1#
229	24.1	15.8	23.6#

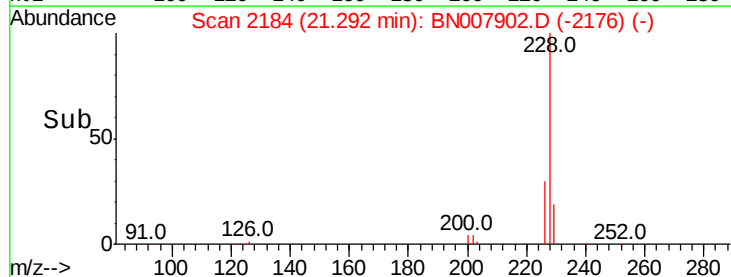
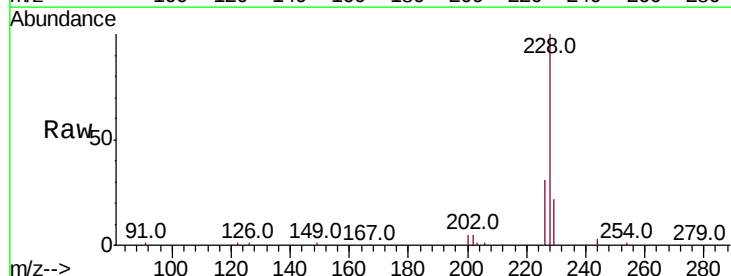
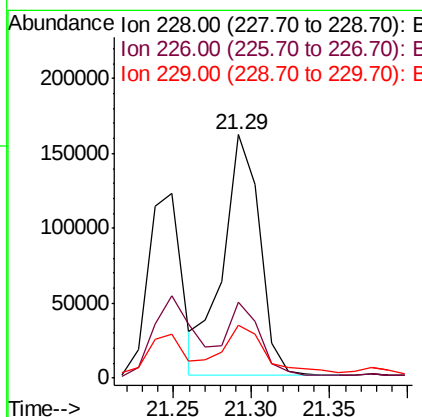
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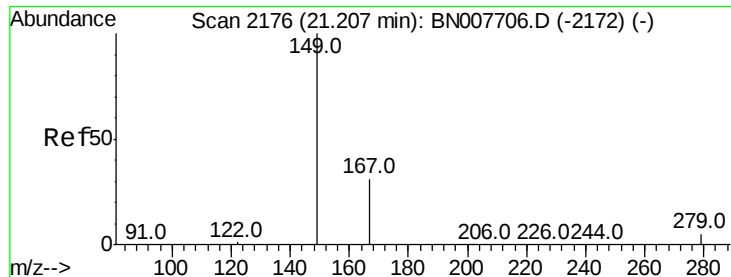
mohammad
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#31
Chrysene
Concen: 2.336 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.9	35.9
229	21.5	15.8	23.6





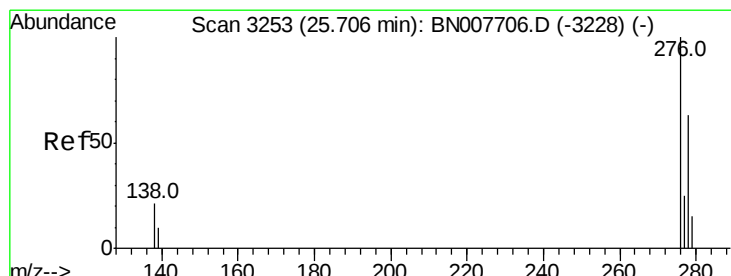
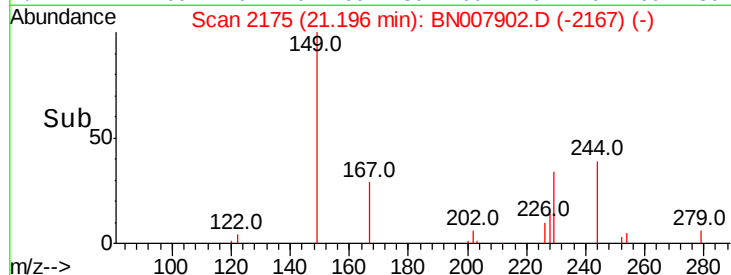
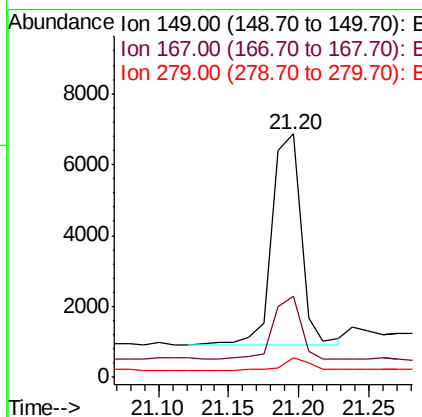
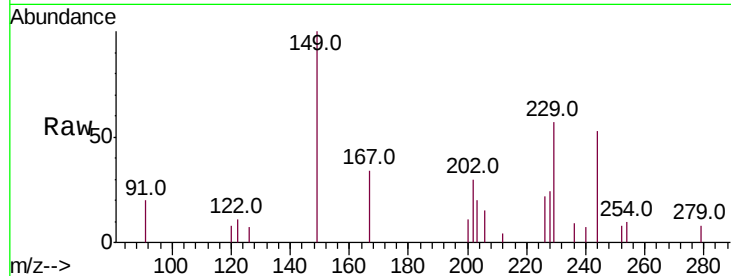
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.143 ng
 RT: 21.20 min Scan# 2175
 Delta R.T. -0.01 min
 Lab File: BN007902.D
 Acq: 30 Sep 2019 18:25

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW133-092519

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.4	23.7	35.5
279	5.3	4.2	6.2

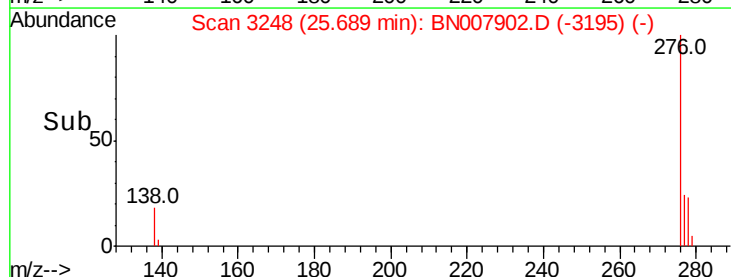
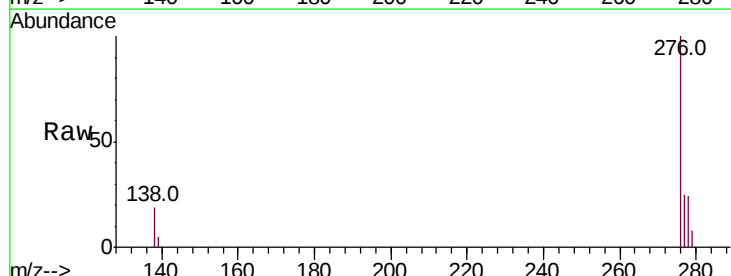
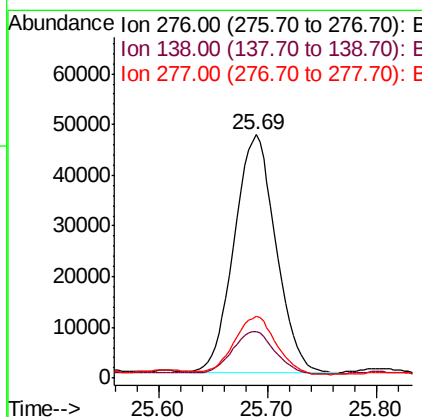
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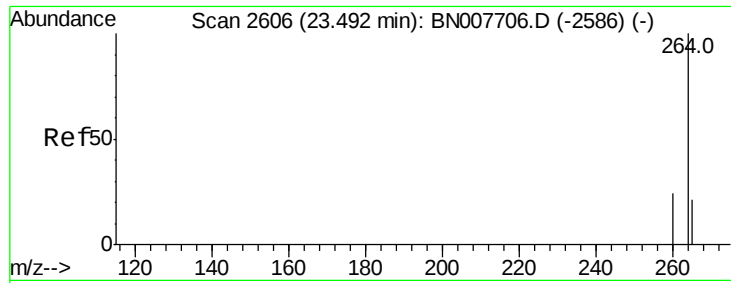
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.882 ng
 RT: 25.69 min Scan# 3248
 Delta R.T. -0.02 min
 Lab File: BN007902.D
 Acq: 30 Sep 2019 18:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.3	17.1	25.7
277	24.9	20.0	30.0





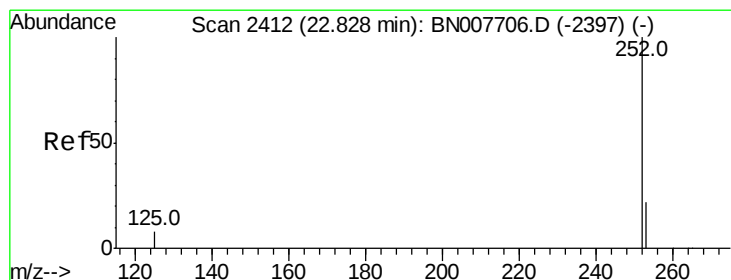
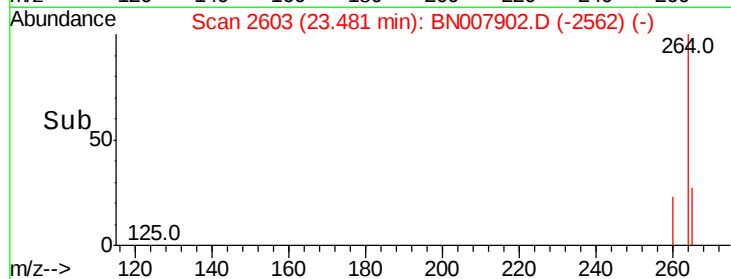
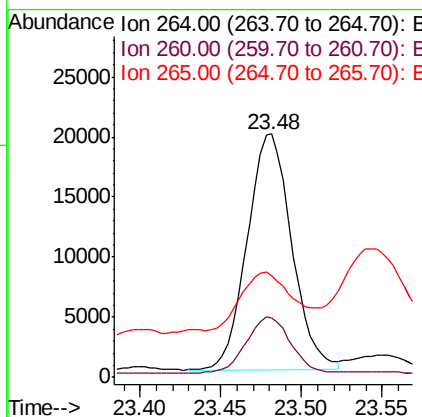
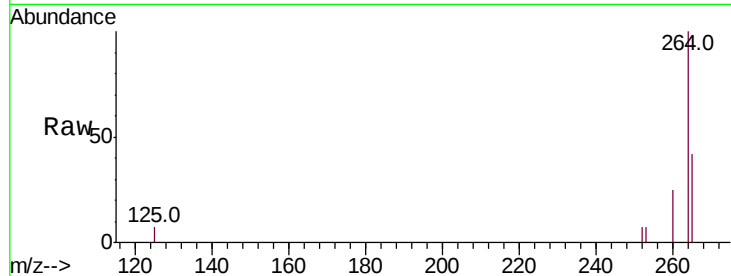
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.48 min Scan# 2603
Delta R.T. -0.01 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Instrument :
BNA_N
ClientSampleId :
PST-024-SW133-092519

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.3	28.9
265	41.7	26.9	40.3

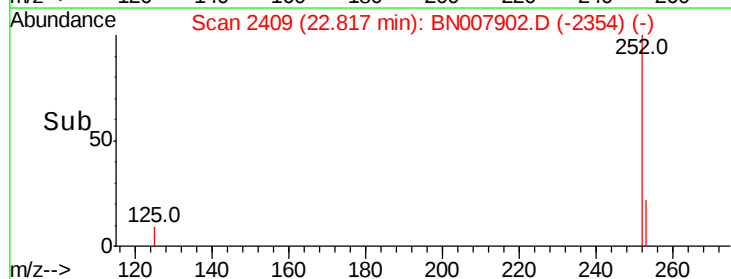
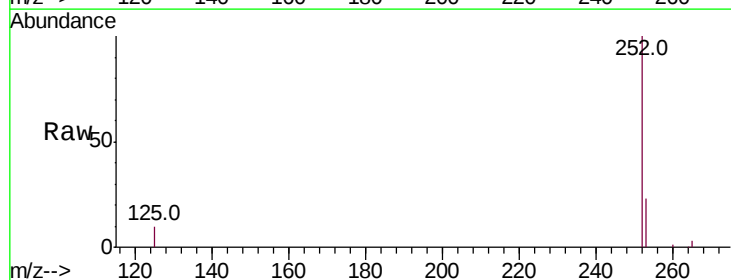
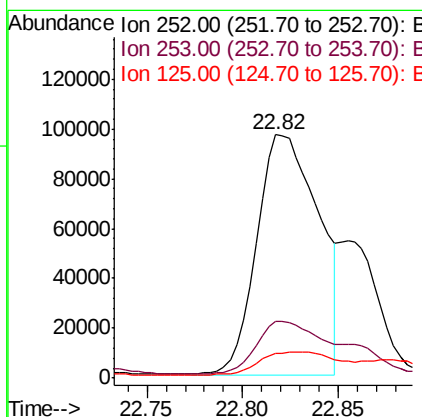
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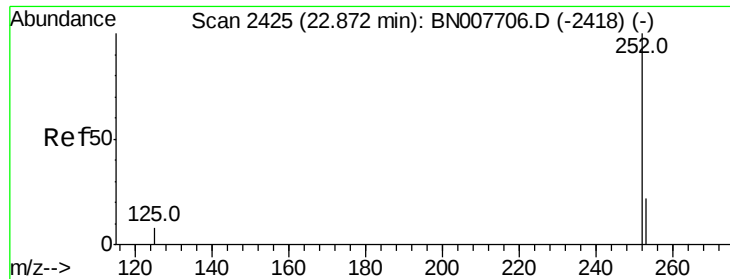
mohammad
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#35
Benzo(b)fluoranthene
Concen: 1.684 ng m
RT: 22.82 min Scan# 2409
Delta R.T. -0.01 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.3	27.5
125	10.2	8.2	12.4





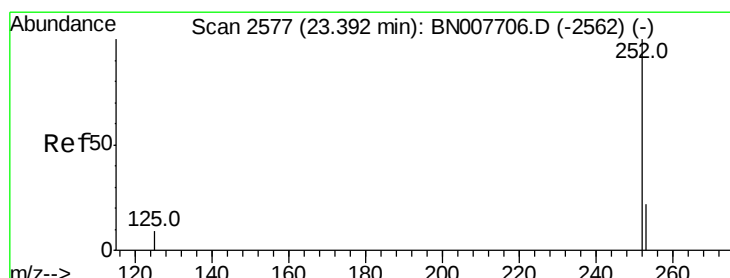
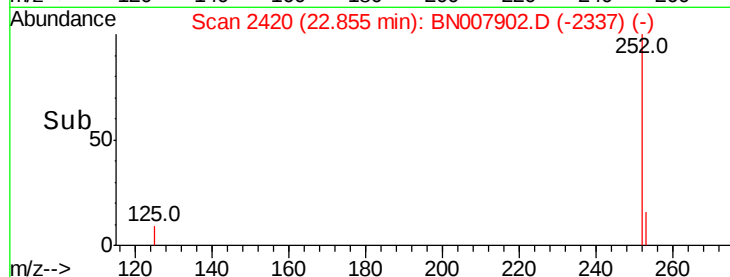
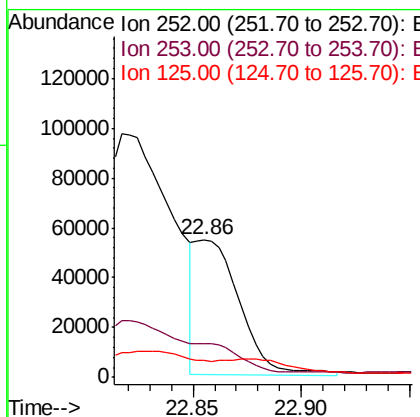
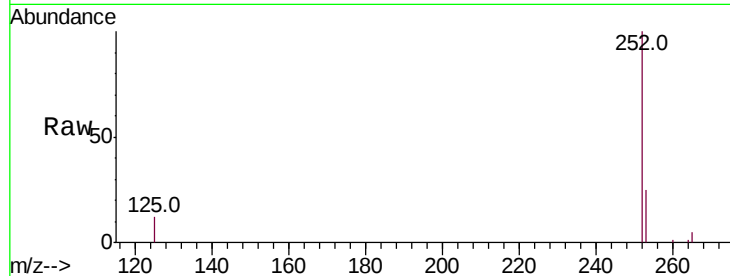
#36
Benzo(k)fluoranthene
Concen: 0.612 ng m
RT: 22.86 min Scan# 2420
Delta R.T. -0.02 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Instrument :
BNA_N
ClientSampleId :
PST-024-SW133-092519

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.5	27.7
125	12.1	8.4	12.6

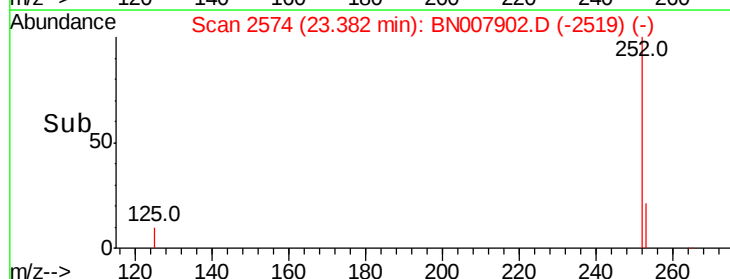
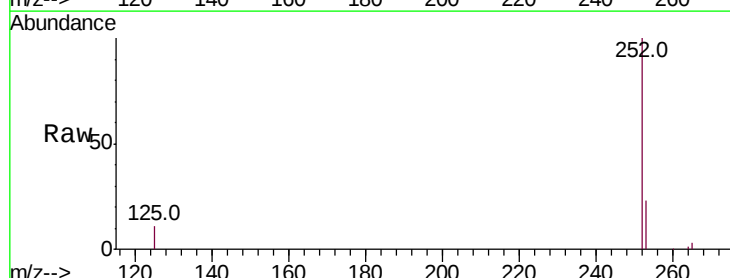
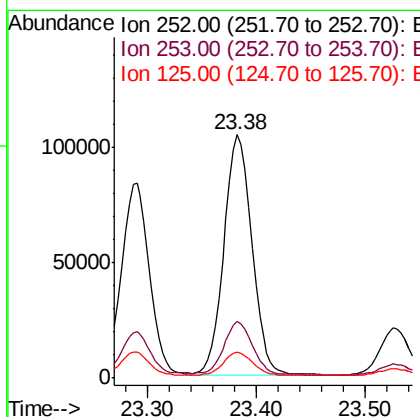
Manual Integrations
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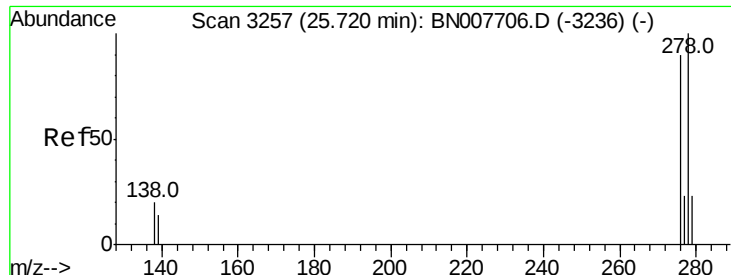
mohammad
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#37
Benzo(a)pyrene
Concen: 1.506 ng
RT: 23.38 min Scan# 2574
Delta R.T. -0.01 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.6	27.8
125	10.7	9.4	14.0





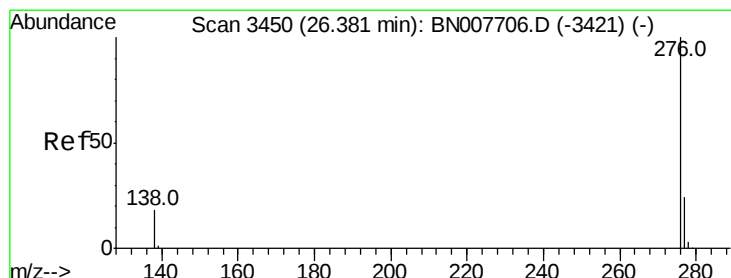
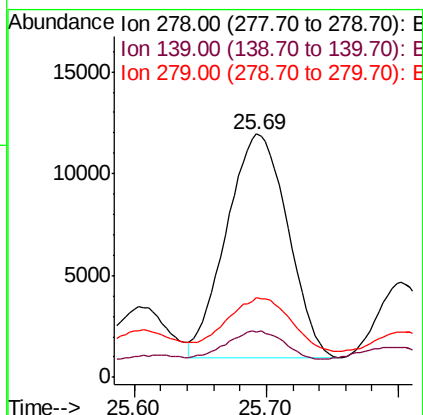
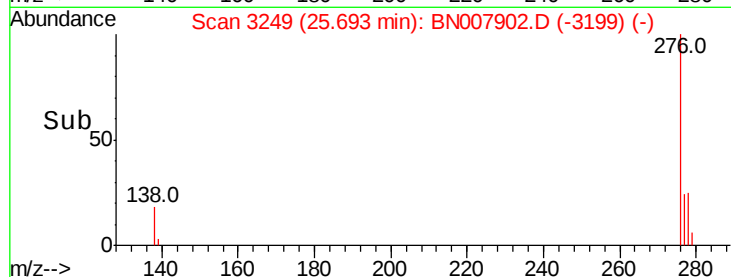
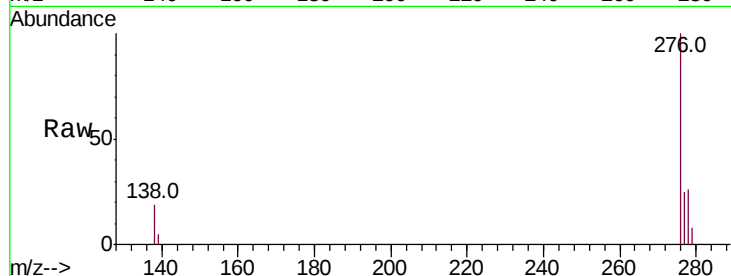
#38
Dibenzo(a,h)anthracene
Concen: 0.282 ng
RT: 25.69 min Scan# 3249
Delta R.T. -0.03 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Instrument :
BNA_N
ClientSampleId :
PST-024-SW133-092519

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.6	11.8	17.6#
279	32.8	19.4	29.2#

Manual Integrations
APPROVED

mohammad
10/2/2019 8:21:36 AM



#39
Benzo(g,h,i)perylene
Concen: 1.210 ng
RT: 26.36 min Scan# 3445
Delta R.T. -0.02 min
Lab File: BN007902.D
Acq: 30 Sep 2019 18:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.8
138	19.3	15.1	22.7

