

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\
 Data File : BN007870.D
 Acq On : 26 Sep 2019 02:07
 Operator : JU
 Sample : K4994-13 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-B239-091919-1

Manual Integrations
 APPROVED

mohammad
 9/27/2019 8:28:17 AM

Quant Time: Sep 26 12:04:08 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	10122	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	37096	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	20750	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	41207	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	42624	0.40	ng	-0.02
34) Perylene-d12	23.46	264	49173	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	1172	0.03	ng	0.00
5) Phenol-d6	6.86	99	1432	0.03	ng	0.00
8) Nitrobenzene-d5	8.83	82	1211	0.04	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	2248	0.04	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	500	0.04	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	3394	0.04	ng	-0.01
25) Fluoranthene-d10	19.09	212	4823	0.03	ng	-0.01
29) Terphenyl-d14	19.70	244	5477	0.05	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.51	128	10460	0.100	ng	96
12) 2-Methylnaphthalene	12.13	142	8918	0.127	ng	98
16) Acenaphthylene	14.04	152	91684	0.833	ng	100
17) Acenaphthene	14.38	154	5170	0.073	ng	# 90
18) Fluorene	15.36	166	17185	0.189	ng	# 78
22) Pentachlorophenol	16.72	266	474	0.047	ng	94
23) Phenanthrene	17.10	178	224656	1.750	ng	100
24) Anthracene	17.19	178	57392	0.495	ng	99
26) Fluoranthene	19.12	202	306363	1.919	ng	99
28) Pylene	19.49	202	396884	2.730	ng	97
30) Benzo(a)anthracene	21.24	228	176805m	1.126	ng	
31) Chrysene	21.29	228	213508	1.396	ng	97
32) Bis(2-ethylhexyl)phthalate	21.19	149	230447	2.855	ng	99
33) Indeno(1,2,3-cd)pyrene	25.68	276	119006	0.621	ng	97
35) Benzo(b)fluoranthene	22.81	252	228369	1.338	ng	# 96
36) Benzo(k)fluoranthene	22.84	252	70757m	0.419	ng	
37) Benzo(a)pyrene	23.37	252	168203	1.048	ng	97
38) Dibenzo(a,h)anthracene	25.68	278	33656	0.205	ng	# 73
39) Benzo(g,h,i)perylene	26.35	276	141749	0.873	ng	98

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

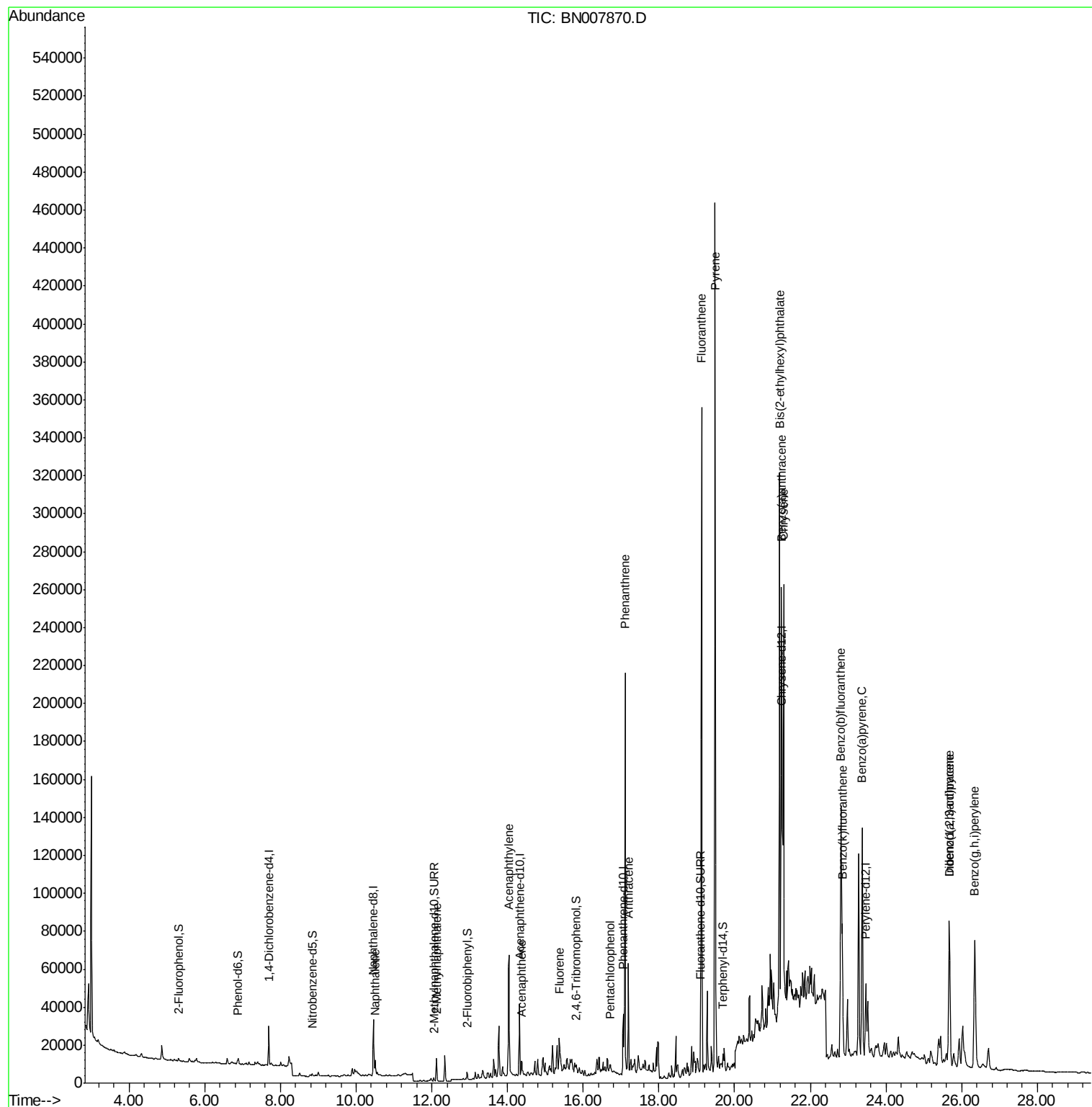
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\
Data File : BN007870.D
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Quant Time: Sep 26 12:04:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

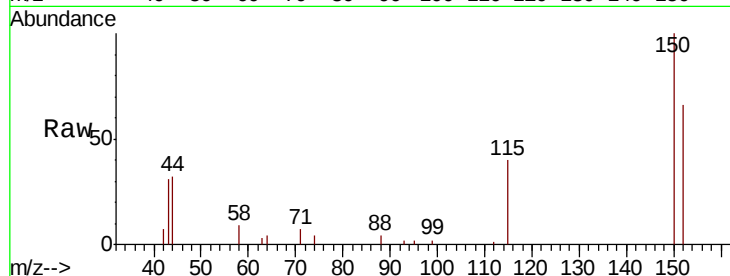
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

Instrument :
BNA_N
ClientSampleId :
PST-B239-091919-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	125.6	188.4
115	61.3	53.3	79.9

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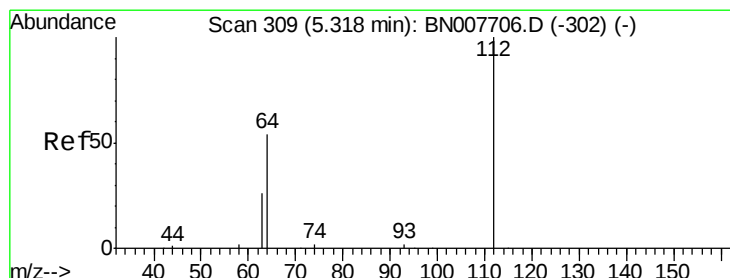
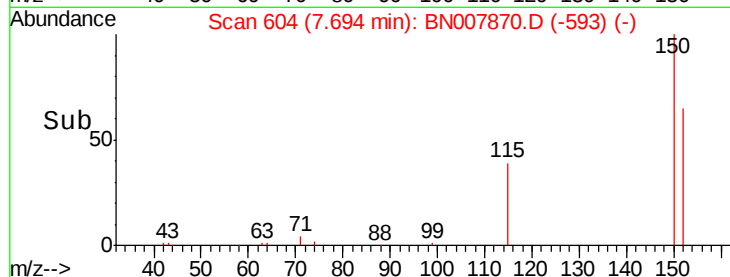
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

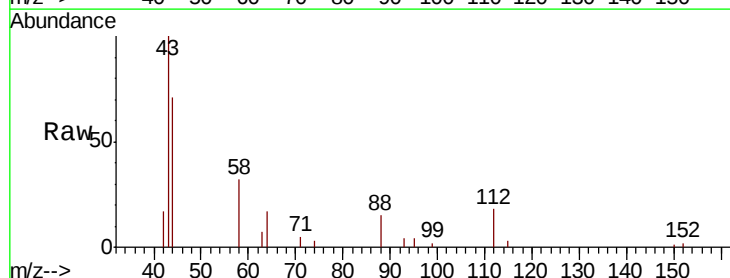
Time-->



#4

2-Fluorophenol
Concen: 0.034 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	46.6	70.0
63	26.3	23.1	34.7



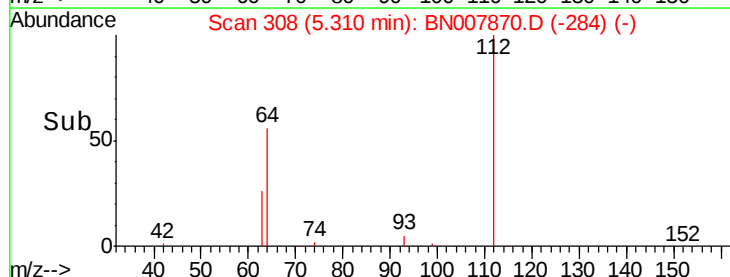
Abundance

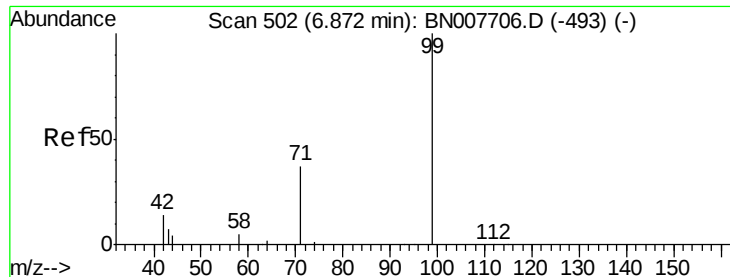
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

Time-->





#5

Phenol-d6

Concen: 0.027 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007870.D

Acq: 26 Sep 2019 02:07

Instrument :

BNA_N

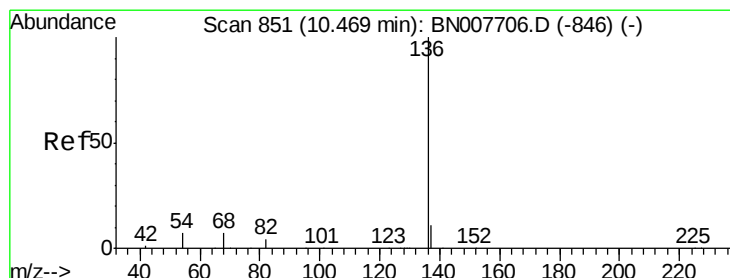
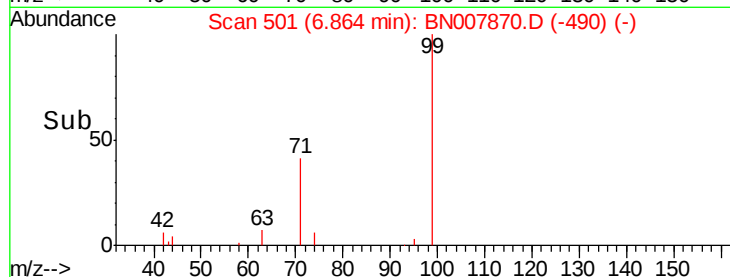
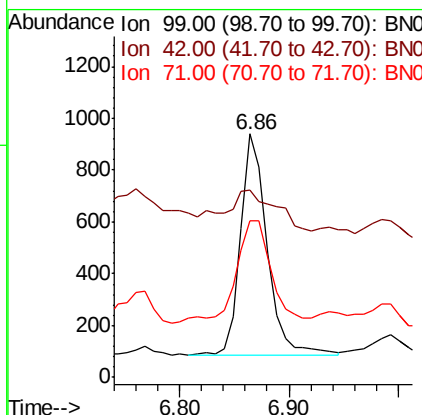
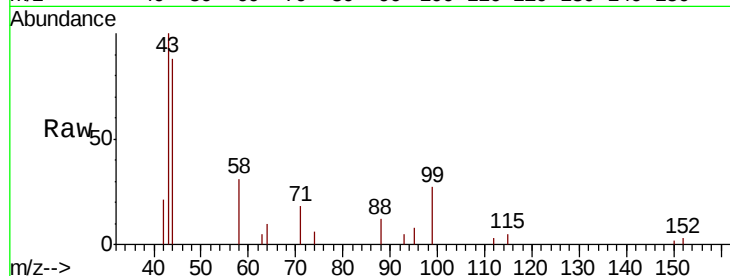
ClientSampleId :

PST-B239-091919-1

Tot Ion:	99	Resp:	1432
Ion	Ratio	Lower	Upper
99	100		
42	30.0	12.8	19.2#
71	64.2	27.6	41.4#

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#7

Naphthalene-d8

Concen: 0.400 ng

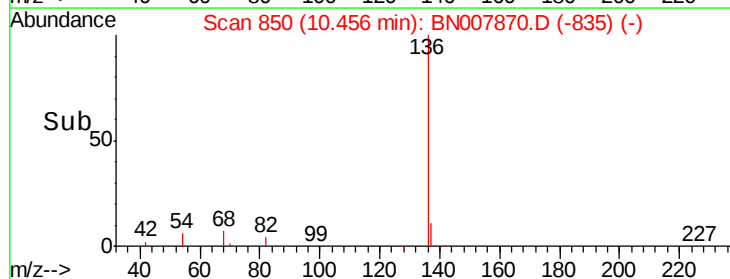
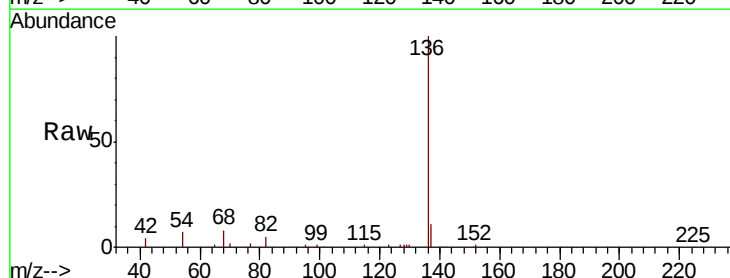
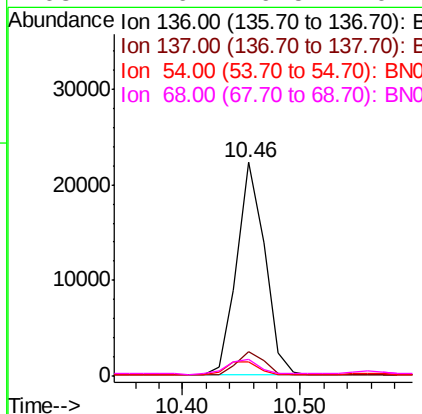
RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007870.D

Acq: 26 Sep 2019 02:07

Tgt Ion:	136	Resp:	37096
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	6.7	5.8	8.8
68	7.6	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.037 ng

RT: 8.83 min Scan# 722

Delta R.T. 0.00 min

Lab File: BN007870.D

Acq: 26 Sep 2019 02:07

Instrument :

BNA_N

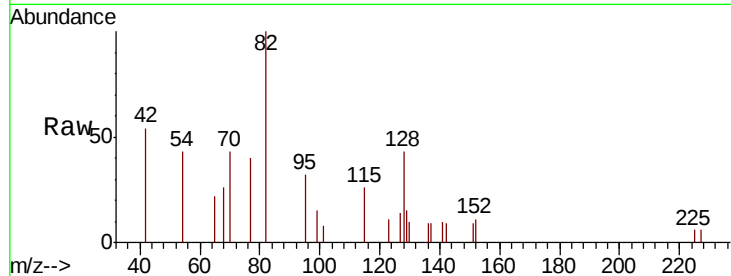
ClientSampleId :

PST-B239-091919-1

Tot Ion:	82	Resp:	1211
Ion	Ratio	Lower	Upper
82	100		
128	43.0	24.5	36.7#
54	43.0	35.2	52.8

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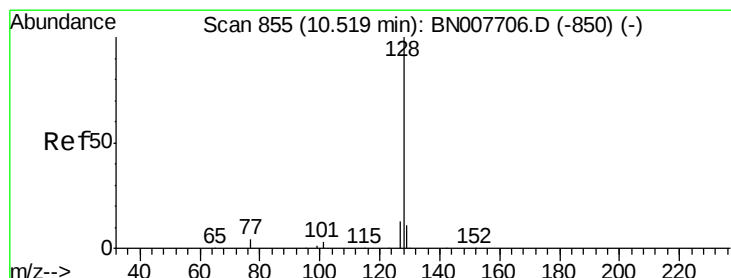
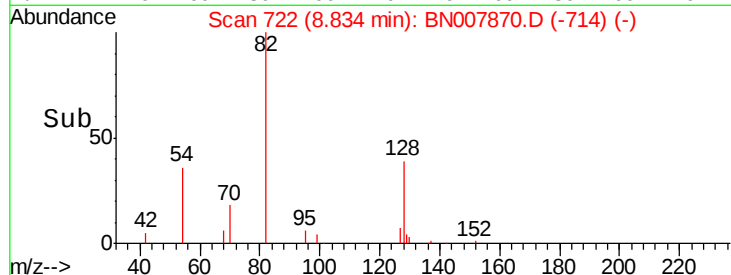
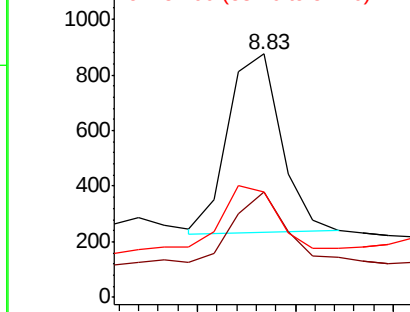


Abundance

Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BN0



#9

Naphthalene

Concen: 0.100 ng

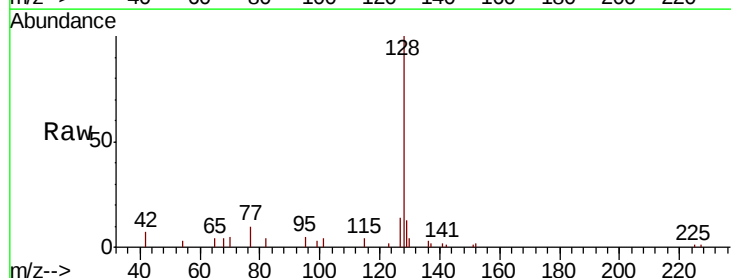
RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN007870.D

Acq: 26 Sep 2019 02:07

Tgt Ion:	128	Resp:	10460
Ion	Ratio	Lower	Upper
128	100		
129	13.3	9.1	13.7
127	14.4	10.6	15.8

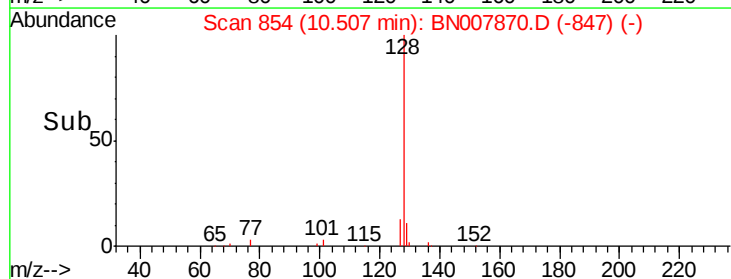
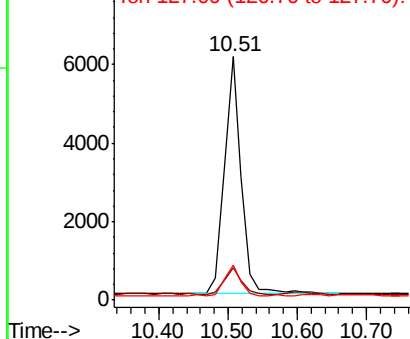


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





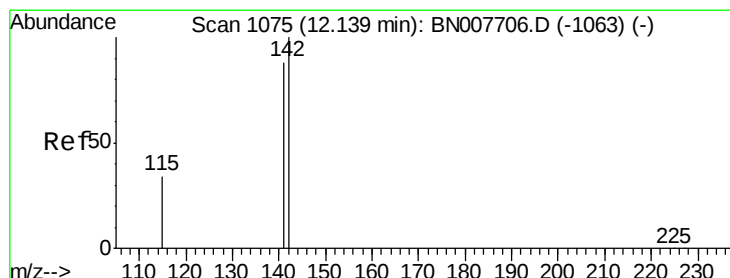
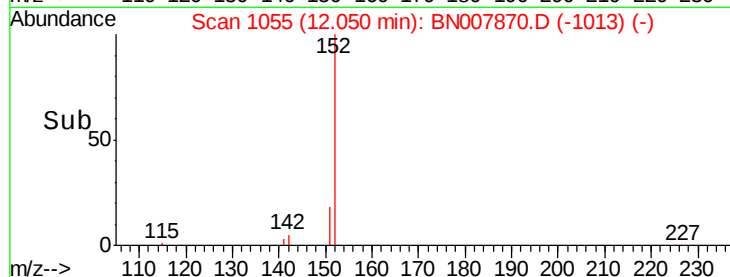
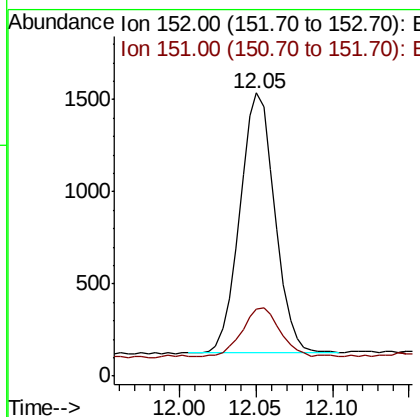
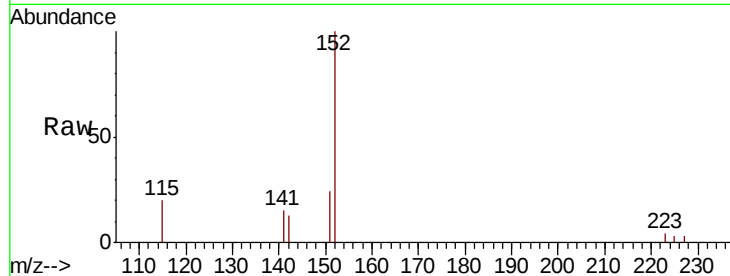
#11
2-Methylnaphthalene-d10
Concen: 0.036 ng
RT: 12.05 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

Instrument :
BNA_N
ClientSampleId :
PST-B239-091919-1

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.4	23.2

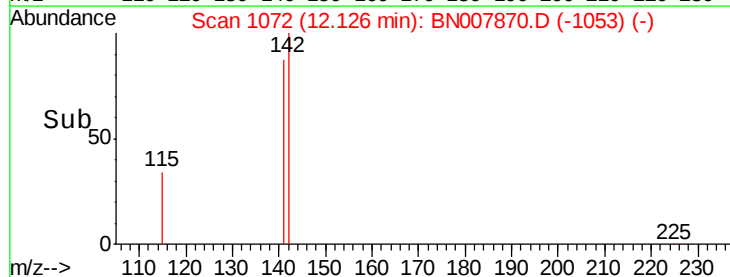
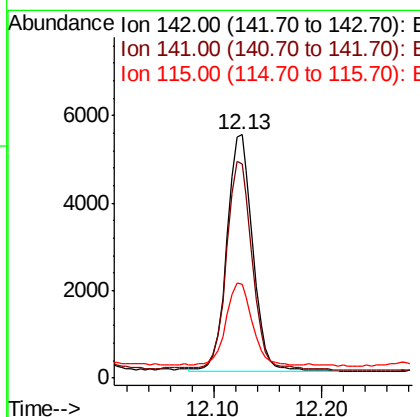
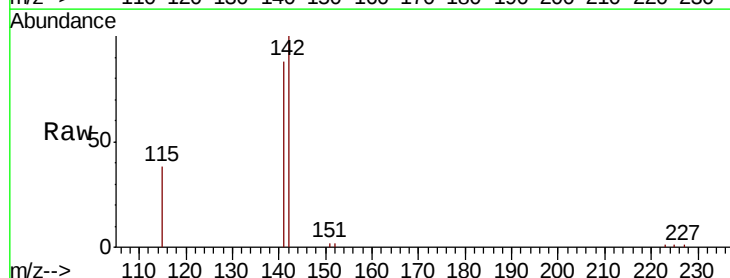
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#12
2-Methylnaphthalene
Concen: 0.127 ng
RT: 12.13 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.6	106.0
115	38.4	28.3	42.5





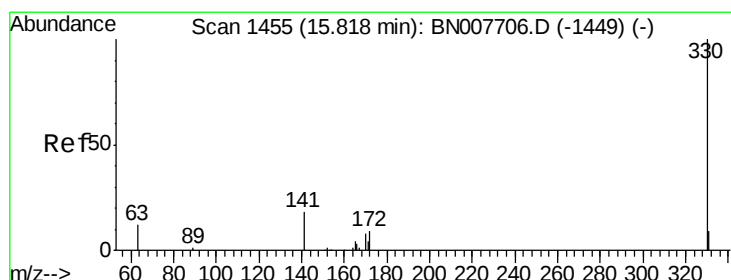
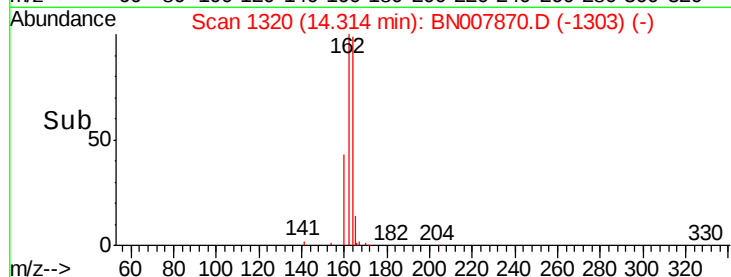
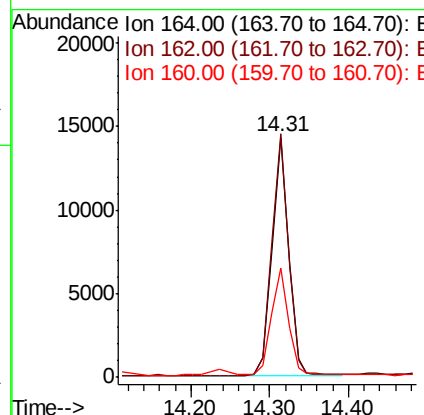
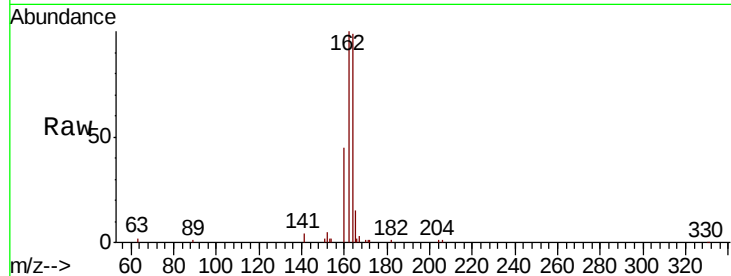
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

Instrument :
BNA_N
ClientSampleId :
PST-B239-091919-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.7	122.5
160	45.5	37.0	55.4

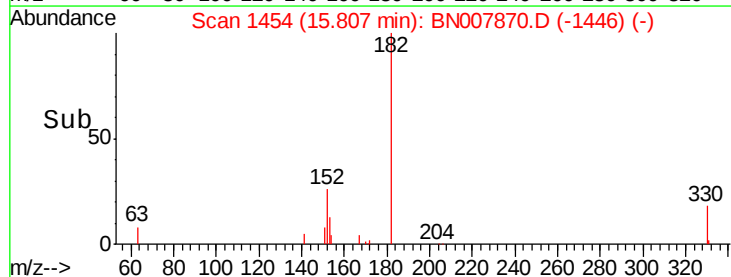
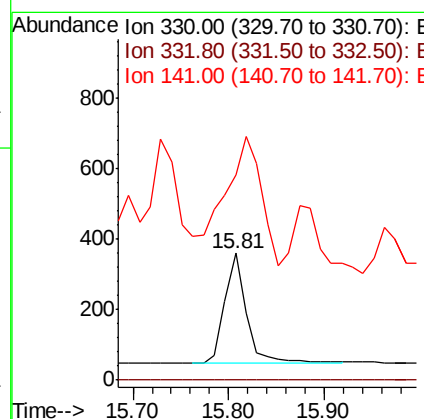
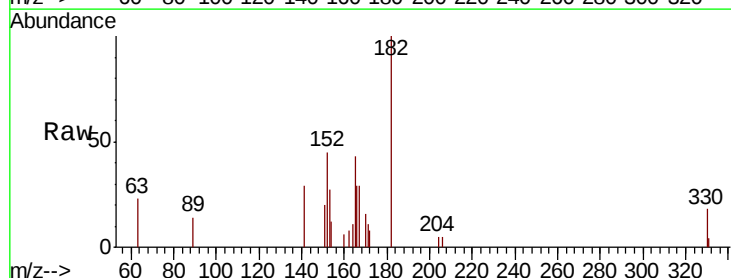
Manual Integrations
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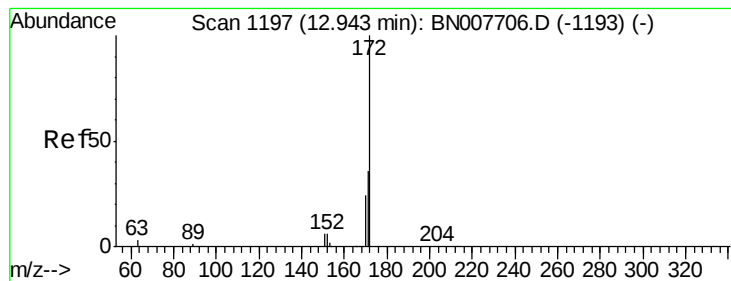
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#14
2,4,6-Tribromophenol
Concen: 0.044 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	196.6	28.7	43.1#





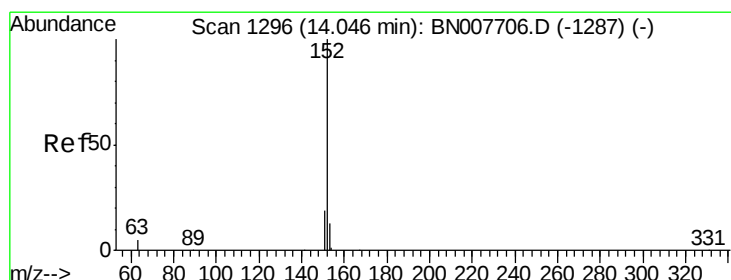
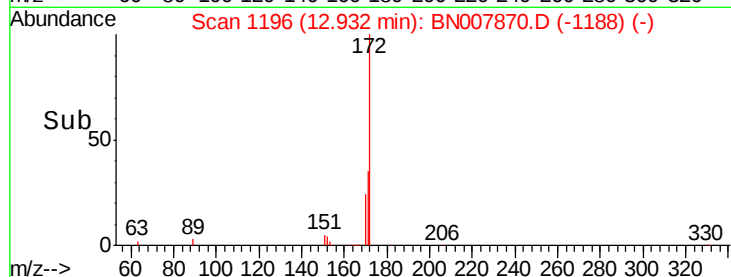
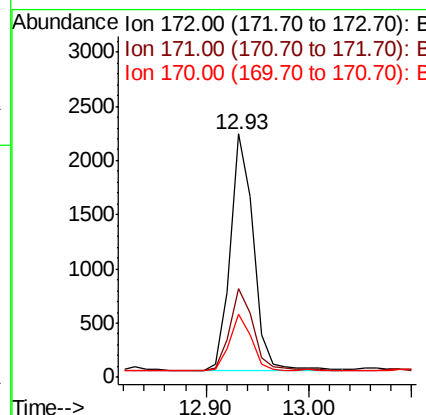
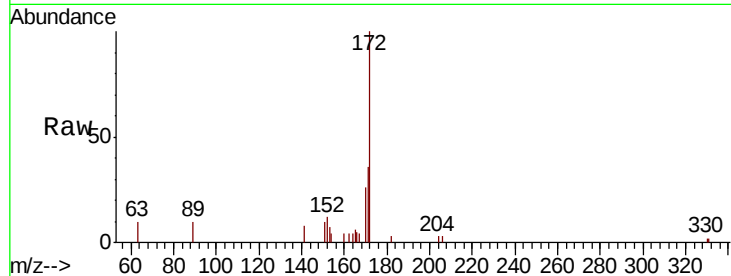
#15
2-Fluorobiphenyl
Concen: 0.040 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

Instrument :
BNA_N
ClientSampleId :
PST-B239-091919-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.8	43.2
170	26.0	19.5	29.3

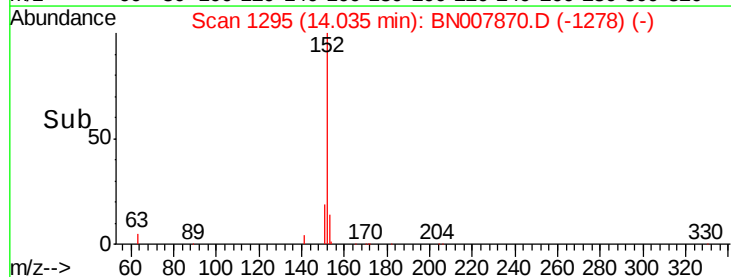
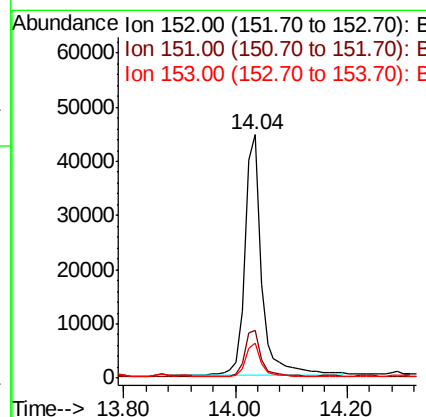
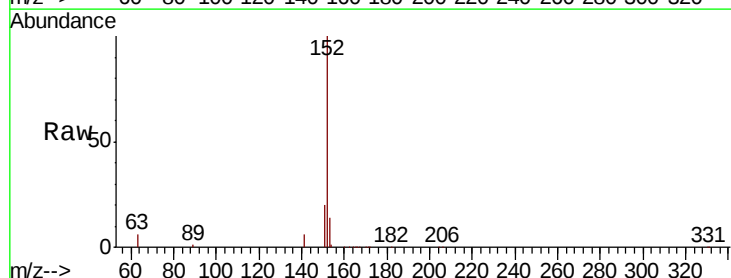
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#16
Acenaphthylene
Concen: 0.833 ng
RT: 14.04 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	12.8	10.4	15.6





#17

Acenaphthene

Concen: 0.073 ng

RT: 14.38 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BN007870.D

Acq: 26 Sep 2019 02:07

Instrument :

BNA_N

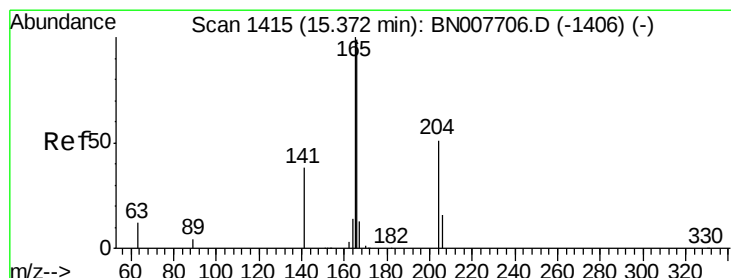
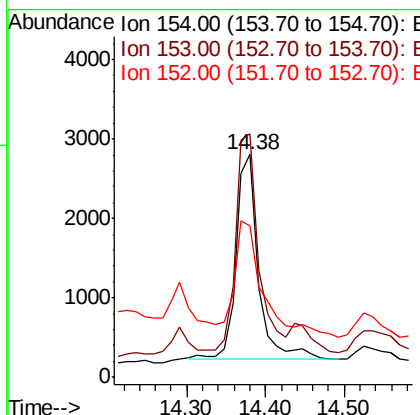
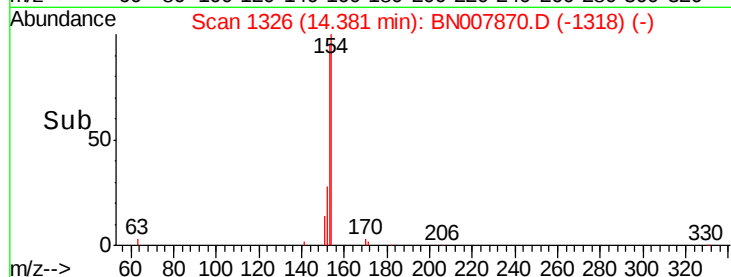
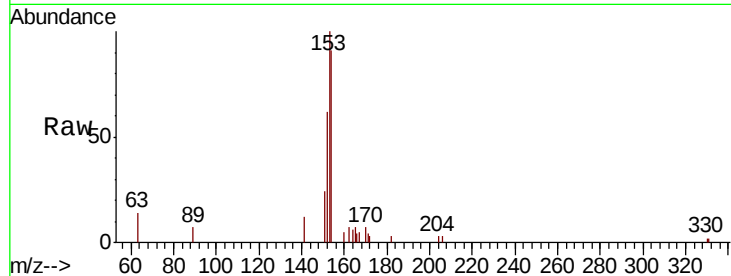
ClientSampleId :

PST-B239-091919-1

Tot Ion:	154	Resp:	5170
Ion Ratio	Lower	Upper	
154	100		
153	107.4	87.0	130.4
152	73.1	42.7	64.1#

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#18

Fluorene

Concen: 0.189 ng

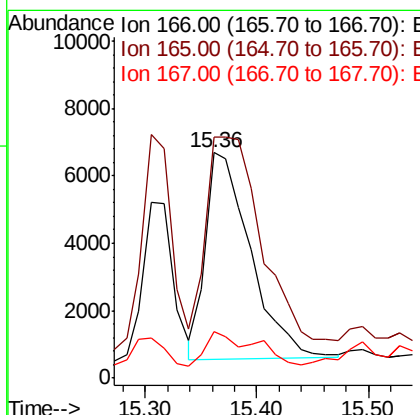
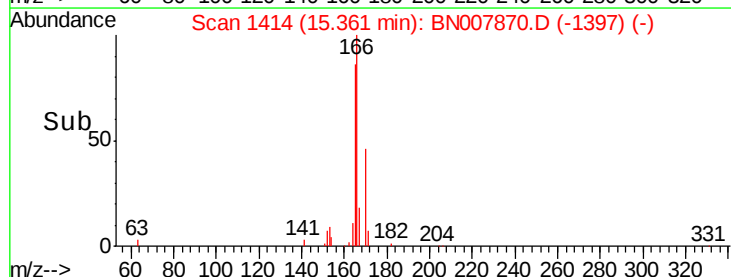
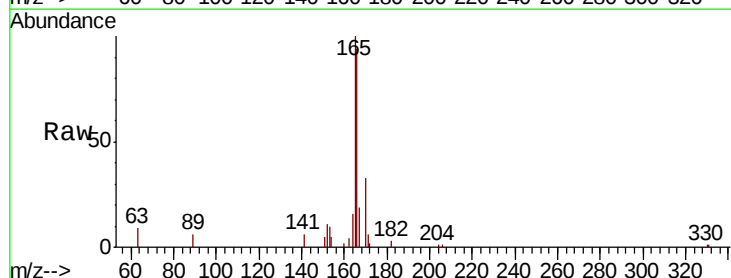
RT: 15.36 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BN007870.D

Acq: 26 Sep 2019 02:07

Tgt Ion:	166	Resp:	17185
Ion Ratio	Lower	Upper	
166	100		
165	120.4	78.0	117.0#
167	18.1	10.9	16.3#





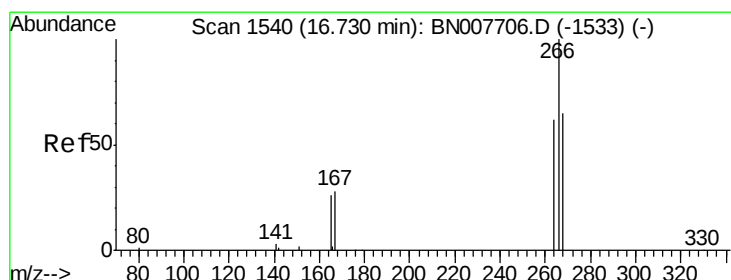
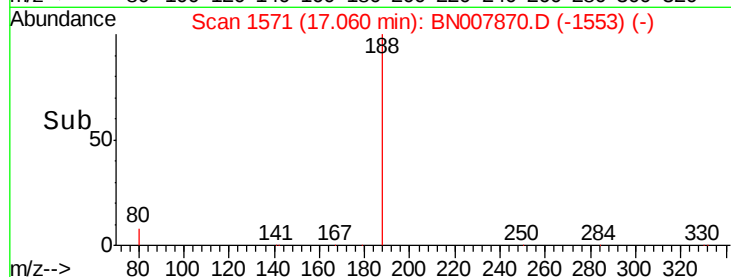
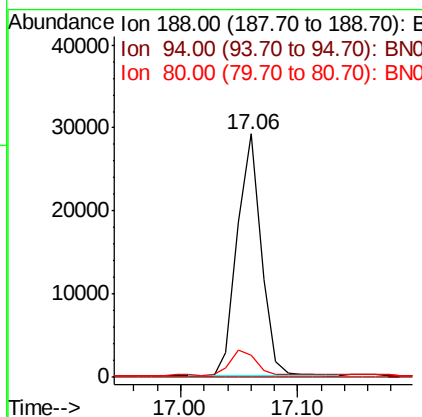
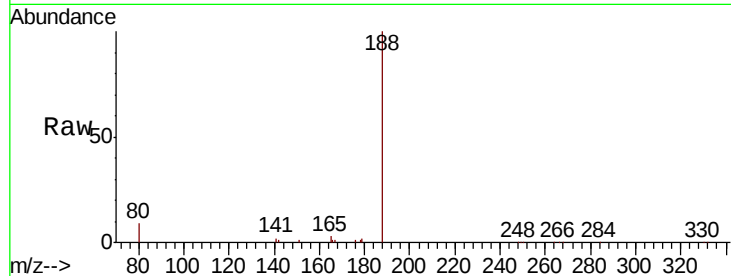
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

Instrument :
BNA_N
ClientSampleId :
PST-B239-091919-1

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	7.4	11.2

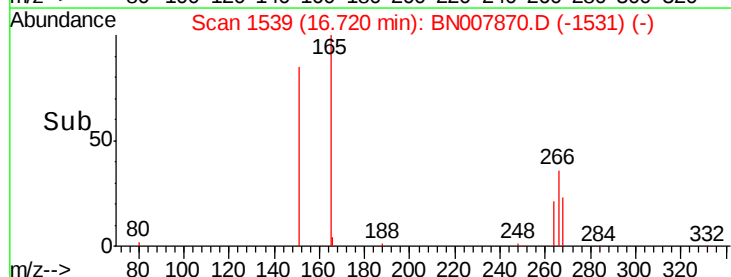
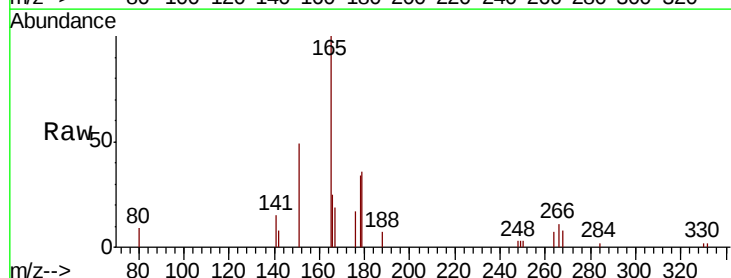
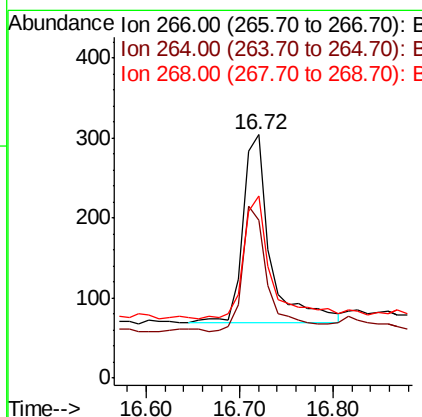
Manual Integrations
APPROVED

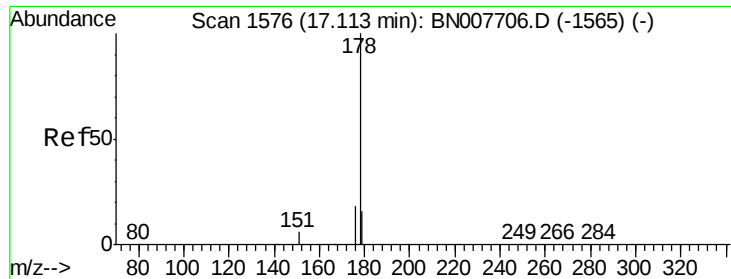
mohammad
9/27/2019 8:28:17 AM



#22
Pentachlorophenol
Concen: 0.047 ng
RT: 16.72 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

Tgt Ion	Ratio	Lower	Upper
266	100		
264	65.1	50.0	75.0
268	74.7	54.2	81.4





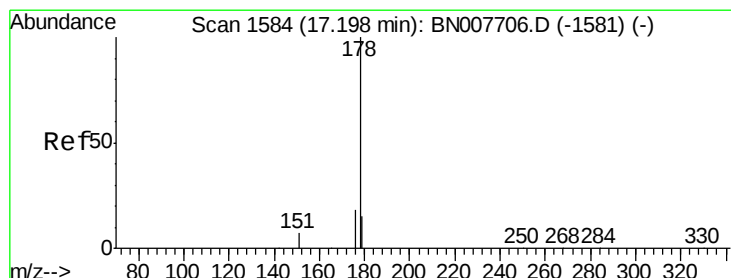
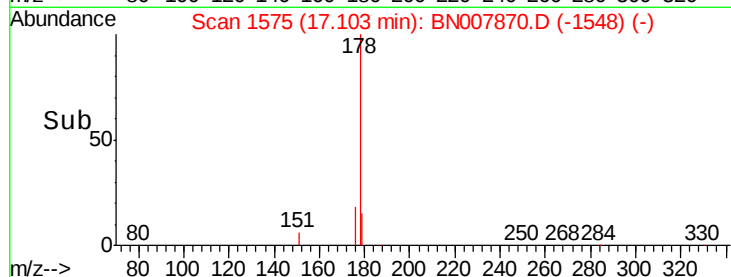
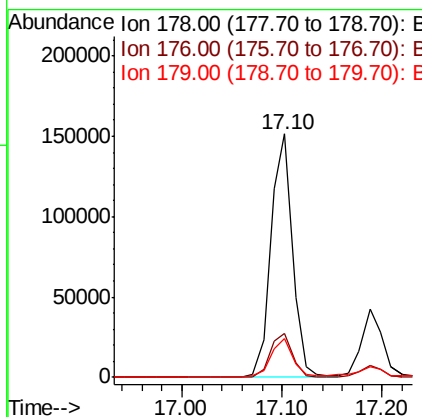
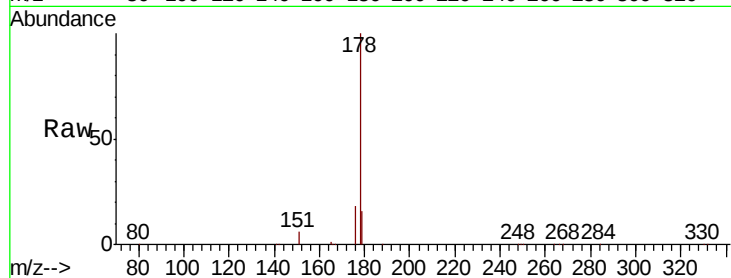
#23
Phenanthrene
Concen: 1.750 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

Instrument :
BNA_N
ClientSampleId :
PST-B239-091919-1

Tot Ion:178	Resp:	224656
Ion Ratio	Lower	Upper
178	100	
176	18.6	14.9 22.3
179	15.7	12.5 18.7

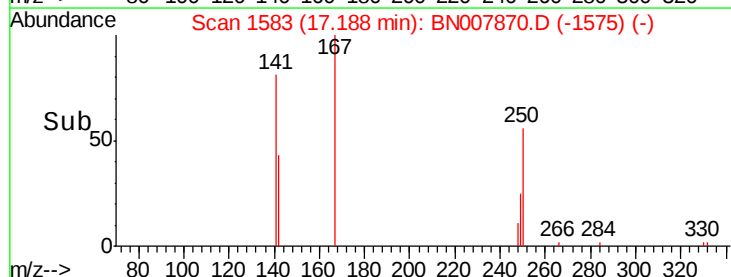
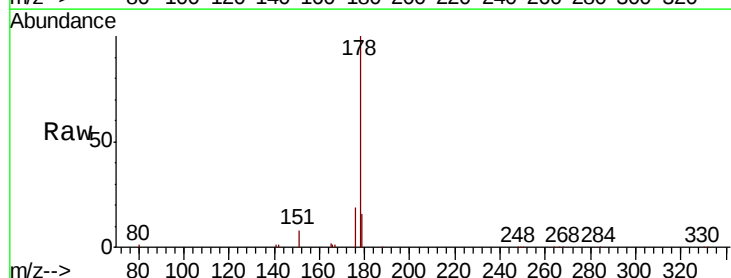
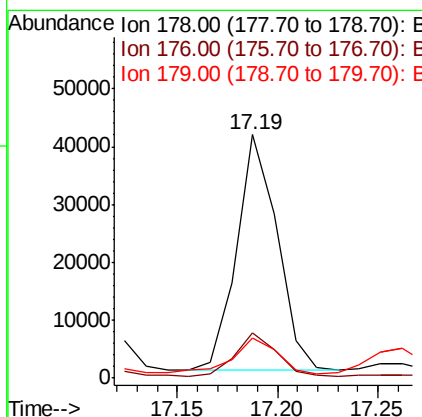
Manual Integrations
APPROVED

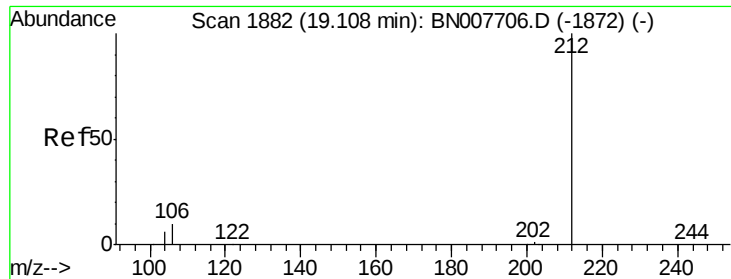
mohammad
9/27/2019 8:28:17 AM



#24
Anthracene
Concen: 0.495 ng
RT: 17.19 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

Tgt Ion:178	Resp:	57392
Ion Ratio	Lower	Upper
178	100	
176	18.1	14.6 21.8
179	16.3	12.2 18.4





#25

Fluoranthene-d10

Concen: 0.035 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN007870.D

Acq: 26 Sep 2019 02:07

Instrument :

BNA_N

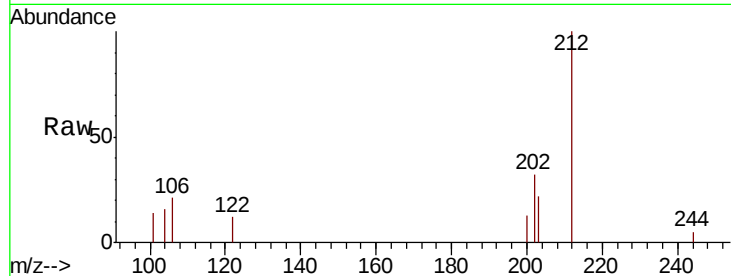
ClientSampleId :

PST-B239-091919-1

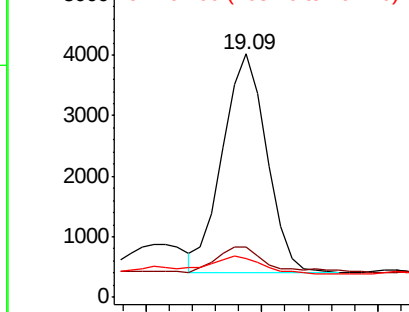
Tot Ion:212	Resp:	4823
Ion Ratio	Lower	Upper
212 100		
106 11.6	9.4	14.0
104 8.4	5.3	7.9#

Manual Integrations
APPROVED

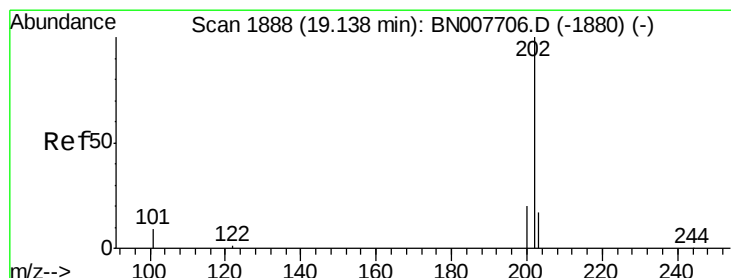
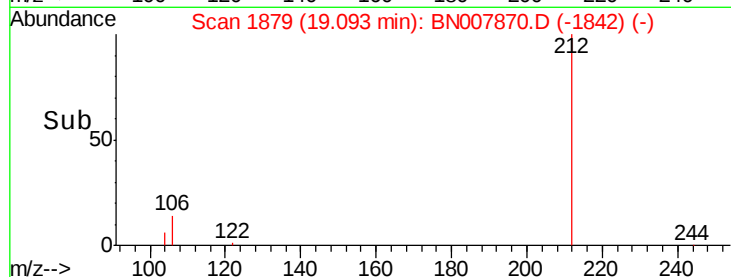
mohammad
9/27/2019 8:28:17 AM



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



Time-->



#26

Fluoranthene

Concen: 1.919 ng

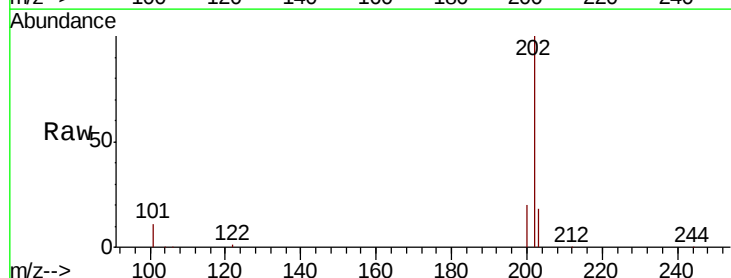
RT: 19.12 min Scan# 1885

Delta R.T. -0.01 min

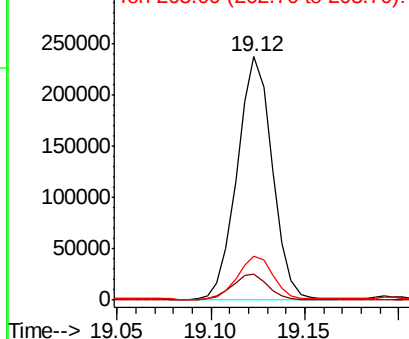
Lab File: BN007870.D

Acq: 26 Sep 2019 02:07

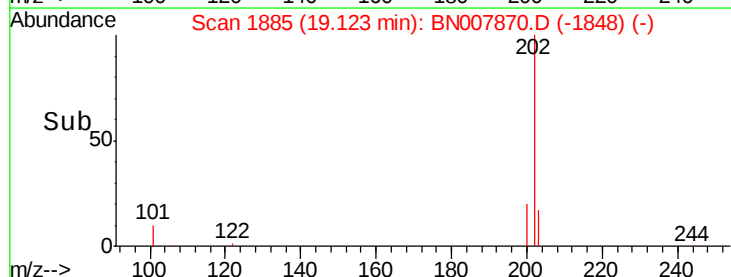
Tgt Ion:202	Resp:	306363
Ion Ratio	Lower	Upper
202 100		
101 10.7	8.4	12.6
203 17.9	13.8	20.8

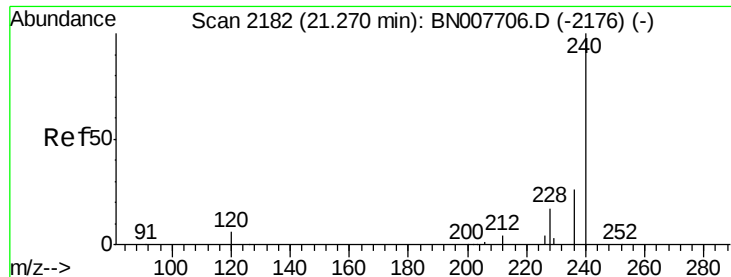


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





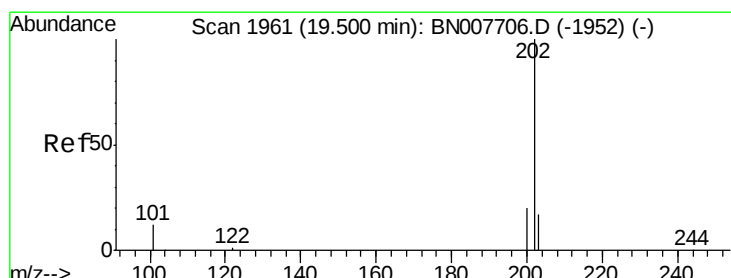
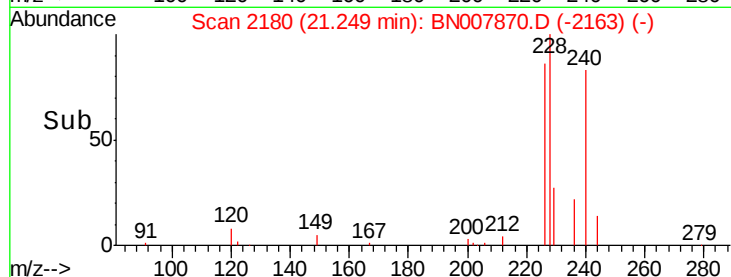
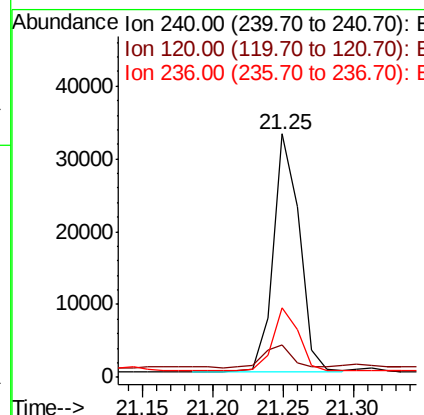
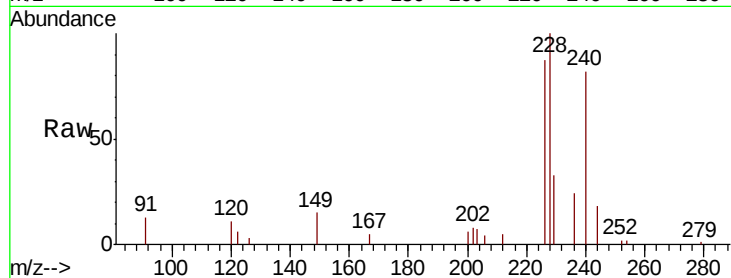
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2180
Delta R.T. -0.02 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

Instrument :
BNA_N
ClientSampleId :
PST-B239-091919-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.4	5.4	8.2#
236	28.7	21.0	31.4

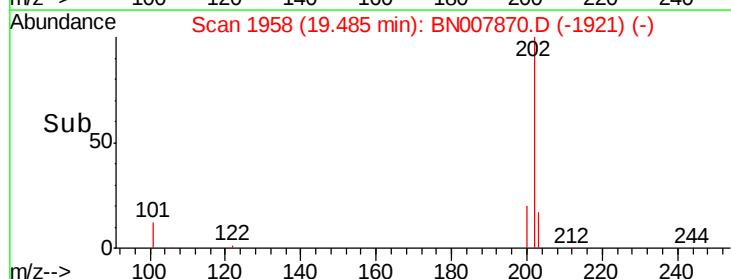
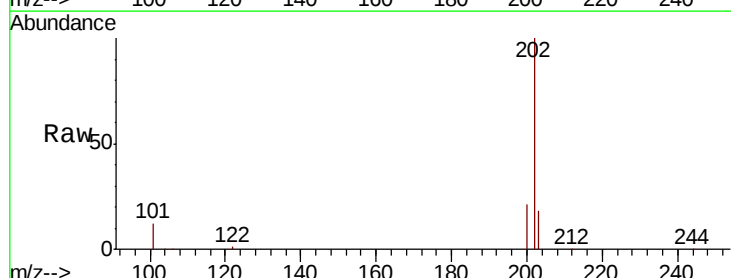
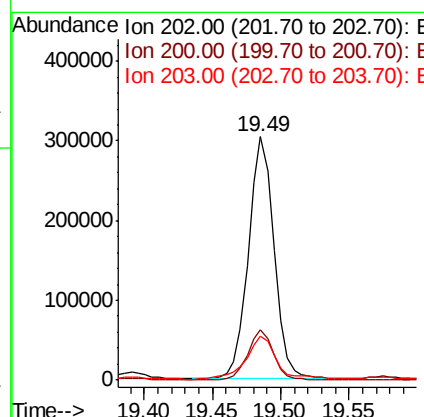
Manual Integrations
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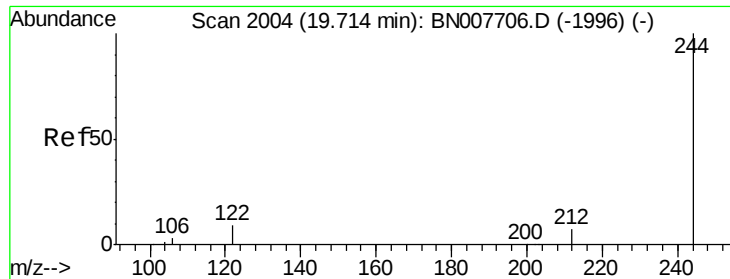
mohammad
9/27/2019 8:28:17 AM



#28
Pyrene
Concen: 2.730 ng
RT: 19.49 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	20.8	14.1	21.1





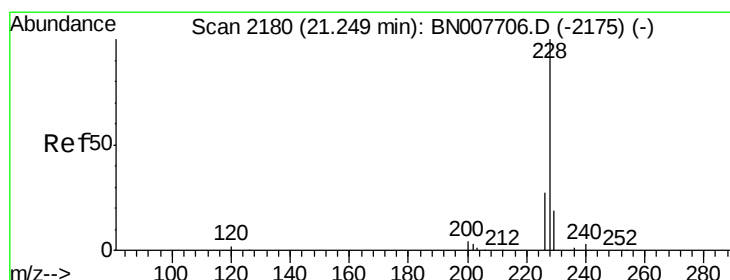
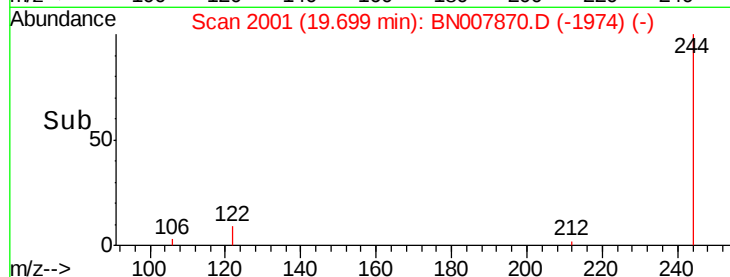
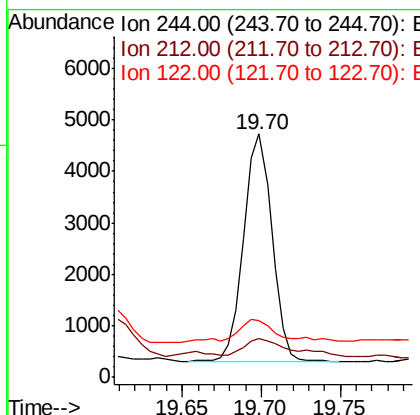
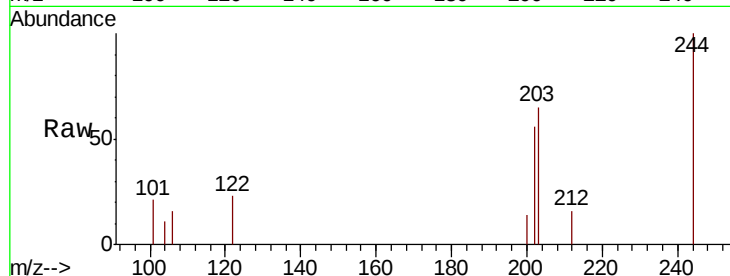
#29
 Terphenyl-d14
 Concen: 0.052 ng
 RT: 19.70 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BN007870.D
 Acq: 26 Sep 2019 02:07

Instrument :
 BNA_N
 ClientSampleId :
 PST-B239-091919-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	15.8	5.9	8.9#
122	23.1	7.4	11.2#

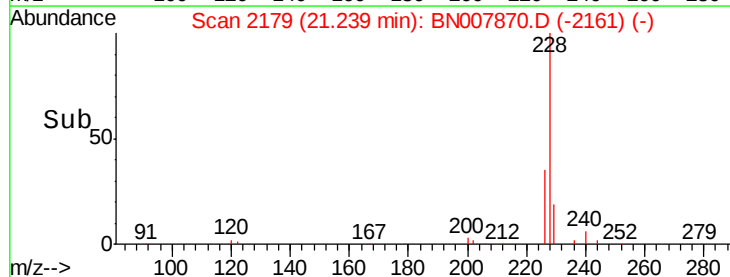
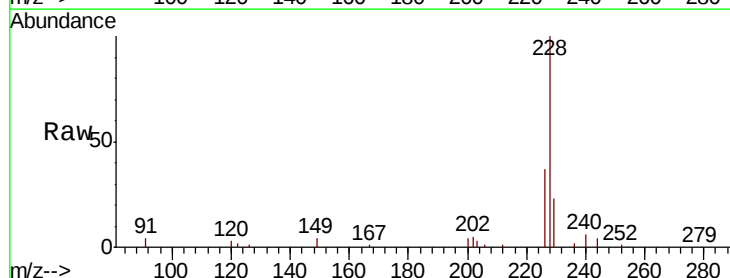
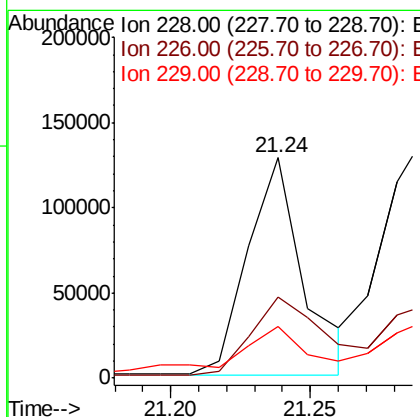
Manual Integrations
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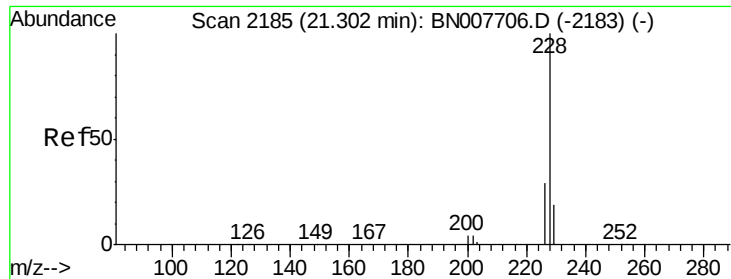
mohammad
 9/27/2019 8:28:17 AM



#30
 Benzo(a)anthracene
 Concen: 1.126 ng m
 RT: 21.24 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BN007870.D
 Acq: 26 Sep 2019 02:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.7	22.1	33.1#
229	23.5	15.8	23.6





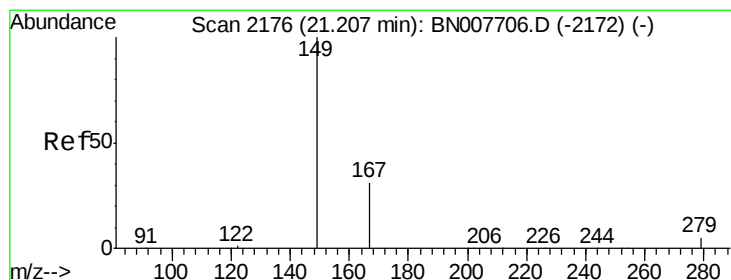
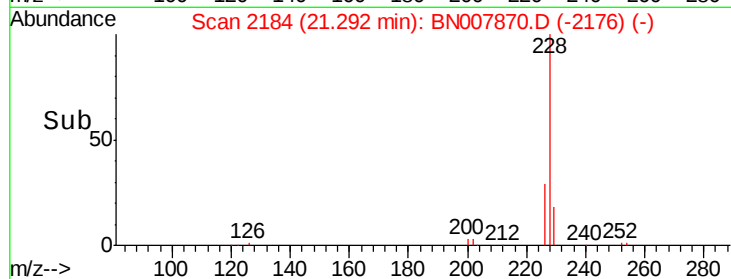
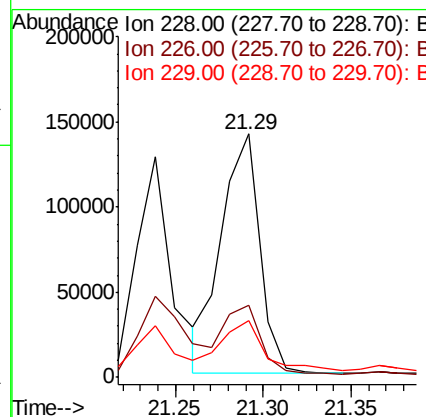
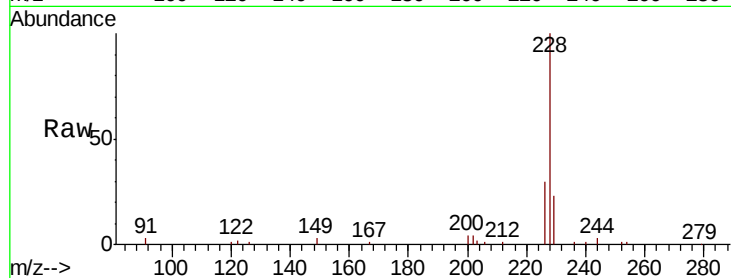
#31
 Chrvsene
 Concen: 1.396 ng
 RT: 21.29 min Scan# 2184
 Delta R.T. -0.01 min
 Lab File: BN007870.D
 Acq: 26 Sep 2019 02:07

Instrument :
 BNA_N
 ClientSampleId :
 PST-B239-091919-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	23.2	15.8	23.6

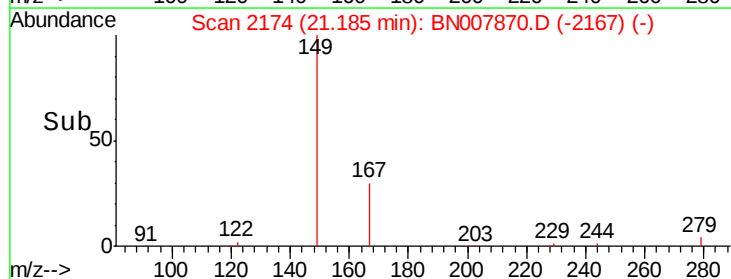
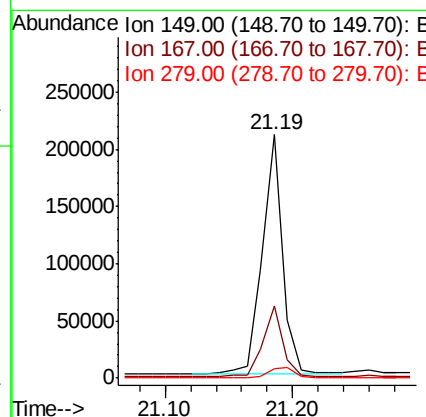
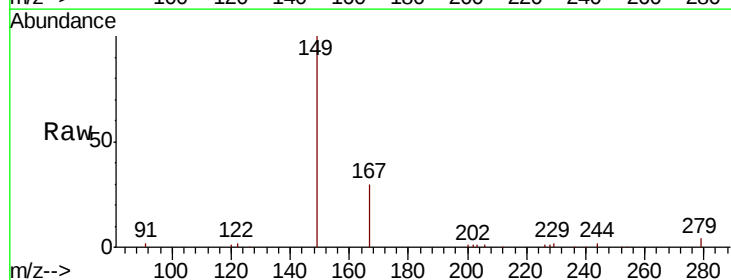
Manual Integrations
 APPROVED

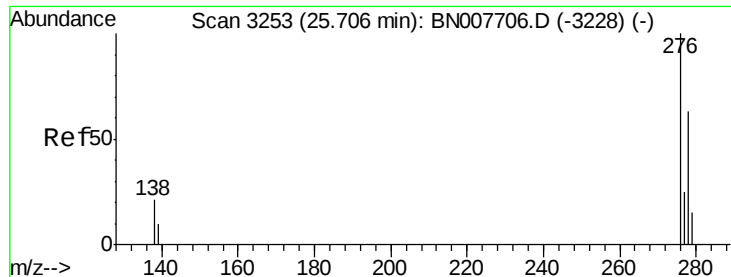
mohammad
 9/27/2019 8:28:17 AM



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 2.855 ng
 RT: 21.19 min Scan# 2174
 Delta R.T. -0.02 min
 Lab File: BN007870.D
 Acq: 26 Sep 2019 02:07

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.1	23.7	35.5
279	5.2	4.2	6.2





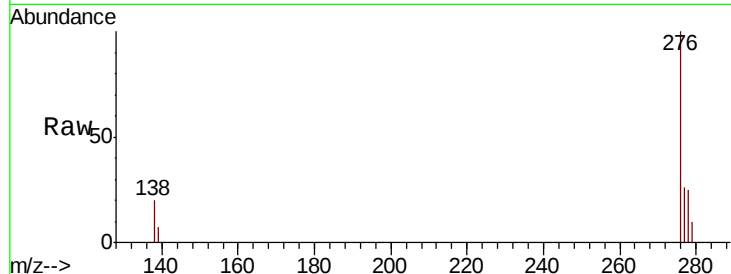
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.621 ng
RT: 25.68 min Scan# 3244
Delta R.T. -0.03 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

Instrument :
BNA_N
ClientSampleId :
PST-B239-091919-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.4	17.1	25.7
277	24.9	20.0	30.0

Manual Integrations
APPROVED

mohammad
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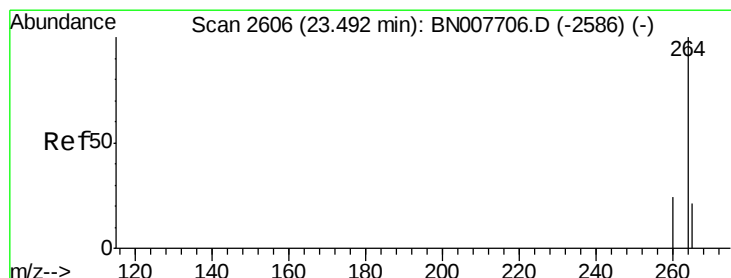
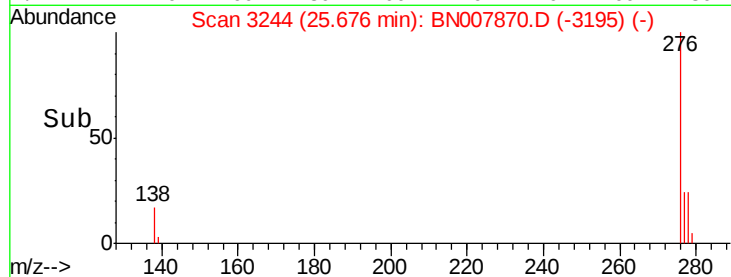
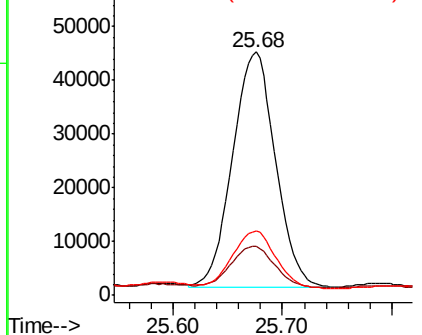


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.46 min Scan# 2598
Delta R.T. -0.03 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

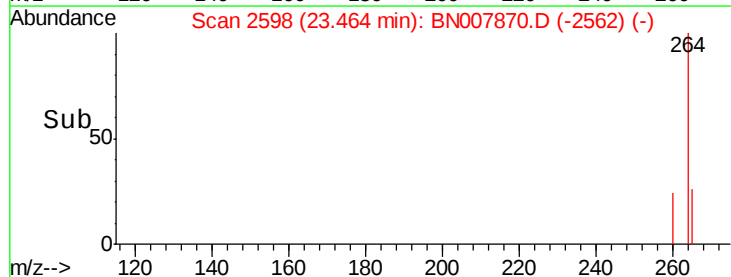
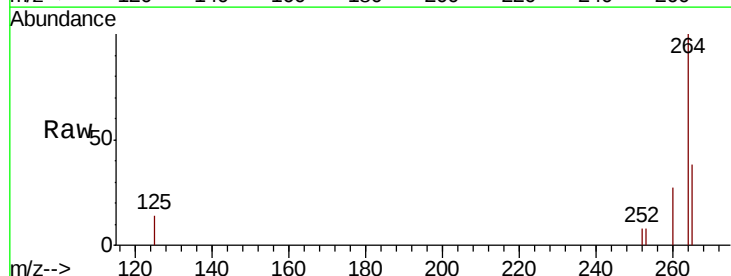
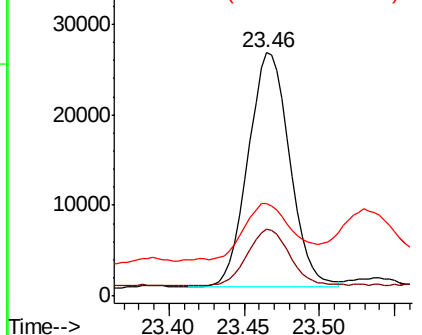
Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.4	19.3	28.9
265	38.2	26.9	40.3

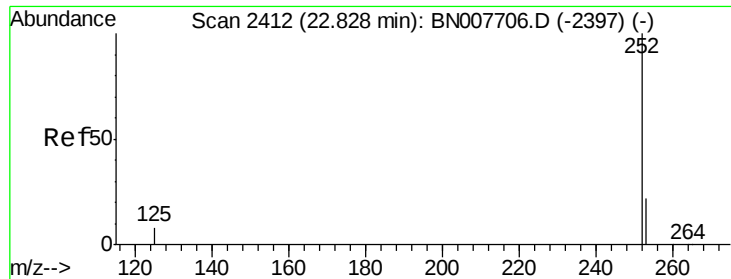
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





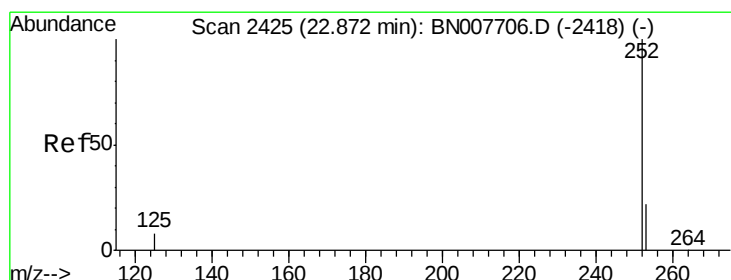
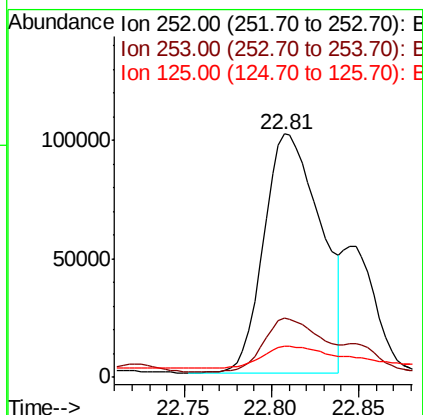
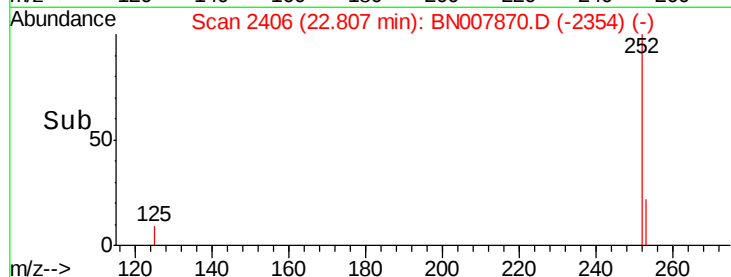
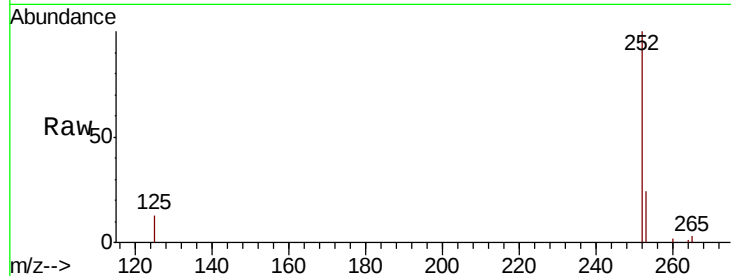
#35
Benzo(b)fluoranthene
Concen: 1.338 ng
RT: 22.81 min Scan# 2406
Delta R.T. -0.02 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

Instrument :
BNA_N
ClientSampleId :
PST-B239-091919-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.3	27.5
125	12.6	8.2	12.4

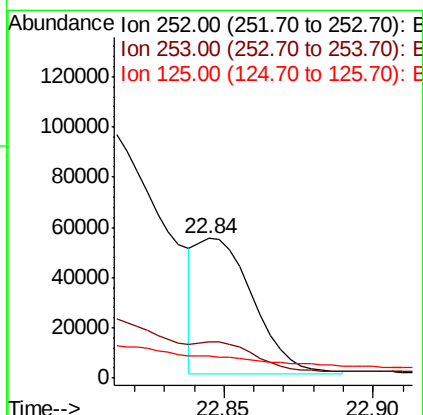
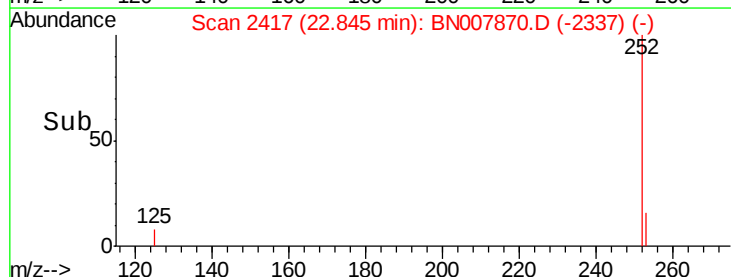
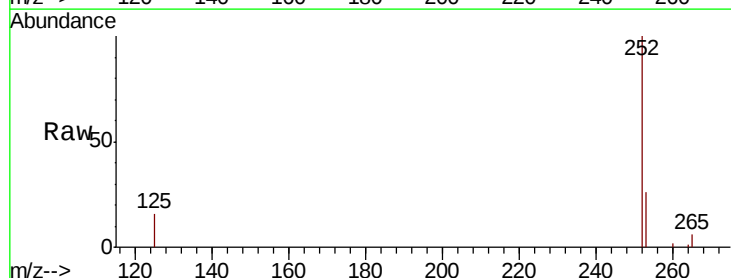
Manual Integrations
APPROVED

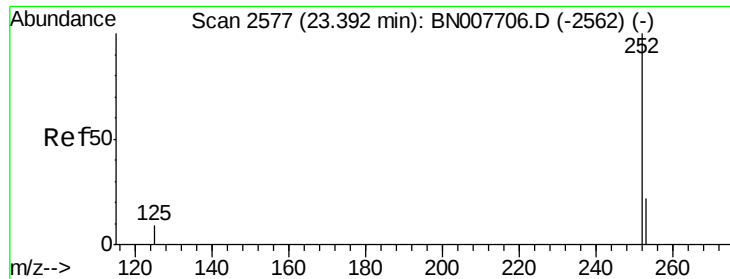
mohammad
9/27/2019 8:28:17 AM



#36
Benzo(k)fluoranthene
Concen: 0.419 ng m
RT: 22.84 min Scan# 2417
Delta R.T. -0.03 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.5	27.7
125	15.8	8.4	12.6





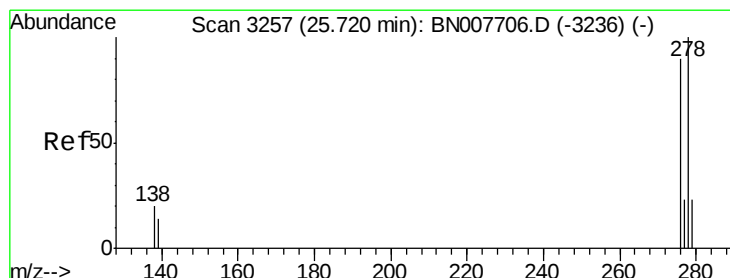
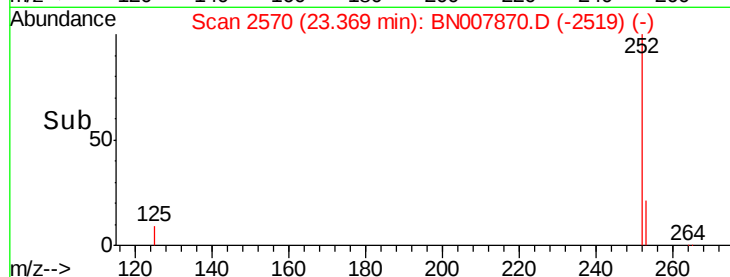
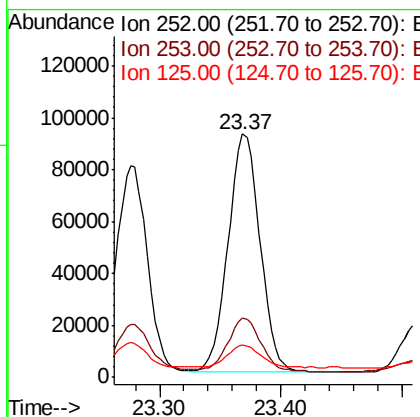
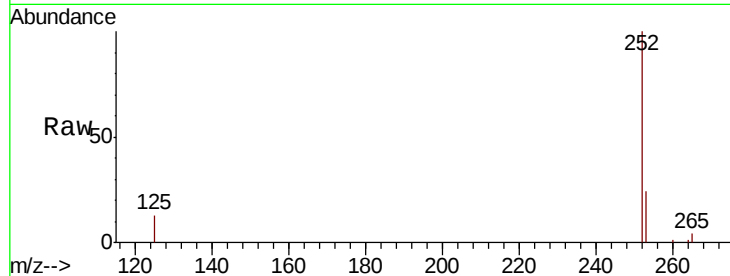
#37
Benzo(a)pyrene
Concen: 1.048 ng
RT: 23.37 min Scan# 2570
Delta R.T. -0.02 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

Instrument :
BNA_N
ClientSampleId :
PST-B239-091919-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.6	27.8
125	13.2	9.4	14.0

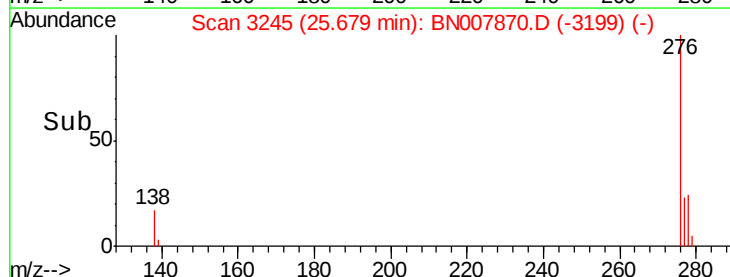
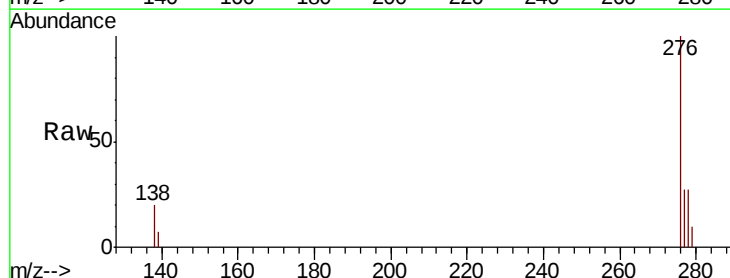
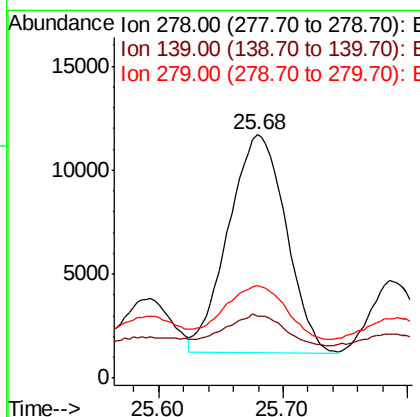
Manual Integrations
APPROVED

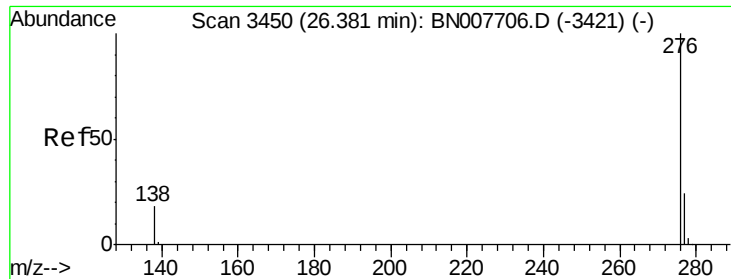
mohammad
9/27/2019 8:28:17 AM



#38
Dibenzo(a,h)anthracene
Concen: 0.205 ng
RT: 25.68 min Scan# 3245
Delta R.T. -0.04 min
Lab File: BN007870.D
Acq: 26 Sep 2019 02:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.6	11.8	17.6#
279	38.0	19.4	29.2#





#39

Benzo(a,h,i)perylene

Concen: 0.873 ng

RT: 26.35 min Scan# 3440

Delta R.T. -0.03 min

Lab File: BN007870.D

Acq: 26 Sep 2019 02:07

Instrument :

BNA_N

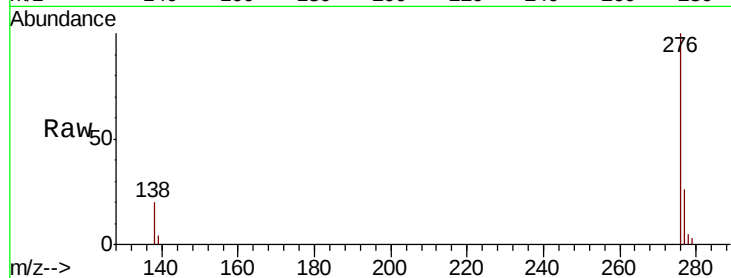
ClientSampleId :

PST-B239-091919-1

Tot Ion:	276	Resp:	141749
Ion Ratio	Lower	Upper	
276	100		
277	25.8	19.8	29.8
138	20.4	15.1	22.7

Manual Integrations
APPROVED

mohammad
9/27/2019 8:28:17 AM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

