

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100319\
 Data File : BN007996.D
 Acq On : 04 Oct 2019 00:35
 Operator : JU
 Sample : K5077-20
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B270-092619

Manual Integrations
 APPROVED

mohammad
 10/7/2019 8:27:30 AM

Quant Time: Oct 04 08:49:38 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	7.69	152	4783	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	19898	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	12900	0.40	ng	-0.02
19) Phenanthrene-d10	17.06	188	28502	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	29883	0.40	ng	-0.02
34) Perylene-d12	23.47	264	32998	0.40	ng	-0.03

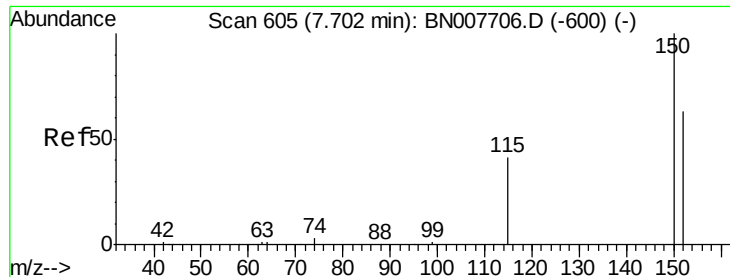
System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	4997	0.30	ng	0.00
5) Phenol-d6	6.87	99	7212	0.35	ng	0.00
8) Nitrobenzene-d5	8.82	82	5476	0.31	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	11484	0.34	ng	-0.02
14) 2,4,6-Tribromophenol	15.80	330	2598	0.37	ng	-0.02
15) 2-Fluorobiphenyl	12.93	172	15617	0.29	ng	-0.02
25) Fluoranthene-d10	19.09	212	32839	0.34	ng	-0.02
29) Terphenyl-d14	19.70	244	26233	0.36	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	1275	0.023	ng	# 65
16) Acenaphthylene	14.03	152	9918	0.145	ng	98
17) Acenaphthene	14.37	154	1208	0.027	ng	87
18) Fluorene	15.36	166	2036	0.036	ng	88
23) Phenanthrene	17.10	178	18269	0.206	ng	99
24) Anthracene	17.18	178	4008	0.050	ng	# 90
26) Fluoranthene	19.12	202	52384	0.474	ng	99
28) Pyrene	19.48	202	51465	0.505	ng	96
30) Benzo(a)anthracene	21.23	228	30171	0.274	ng	# 82
31) Chrysene	21.28	228	27512	0.257	ng	# 84
32) Bis(2-ethylhexyl)phthalate	21.18	149	8309	0.147	ng	# 80
33) Indeno(1,2,3-cd)pyrene	25.67	276	19002	0.142	ng	# 95
35) Benzo(b)fluoranthene	22.81	252	39166	0.342	ng	# 57
36) Benzo(k)fluoranthene	22.85	252	12473m	0.110	ng	
37) Benzo(a)pyrene	23.37	252	27696	0.257	ng	# 54
38) Dibenzo(a,h)anthracene	25.67	278	5526	0.050	ng	# 1
39) Benzo(a,h,i)perylene	26.35	276	23196	0.213	ng	# 69

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



#1

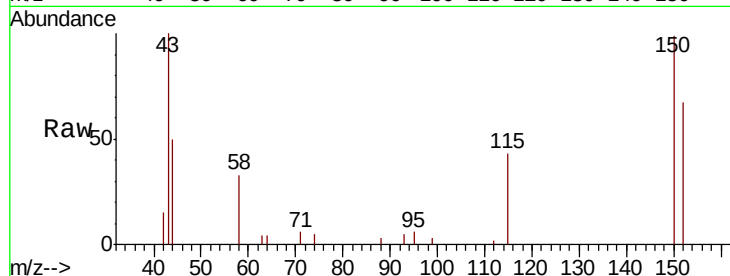
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN007996.D
Acq: 04 Oct 2019 00:35

Instrument :
BNA_N
ClientSampleId :
PST-024-B270-092619

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.8	125.6	188.4
115	63.9	53.3	79.9

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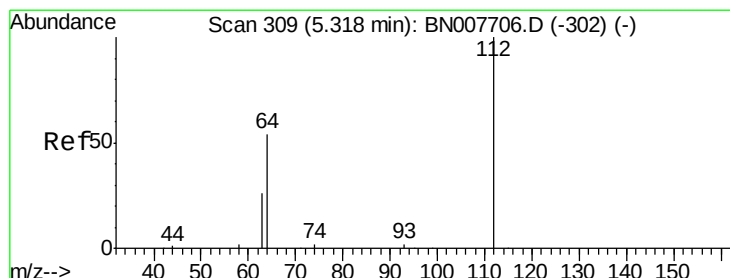
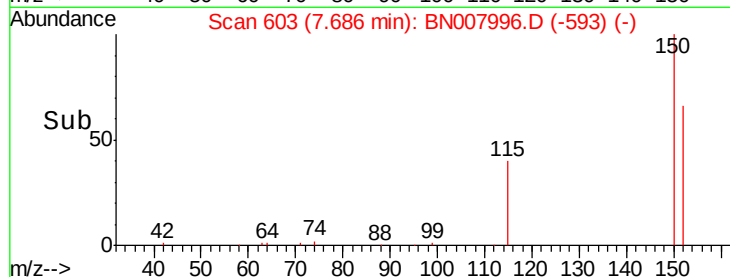
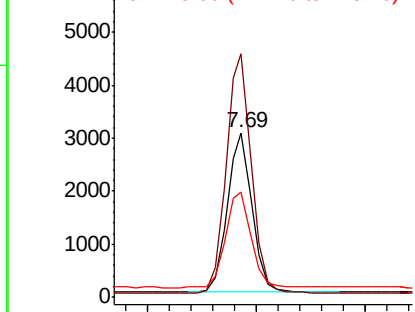


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

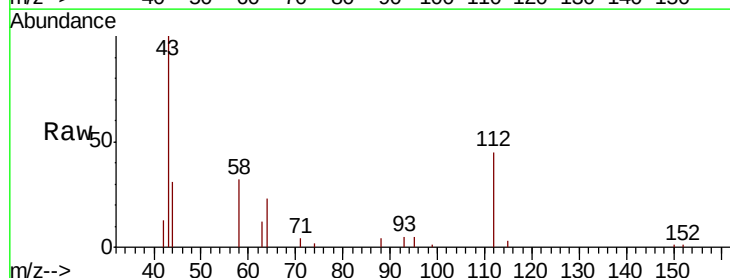
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.304 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007996.D
Acq: 04 Oct 2019 00:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	46.6	70.0
63	28.8	23.1	34.7

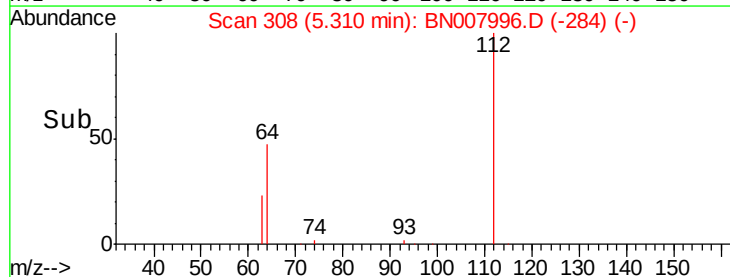
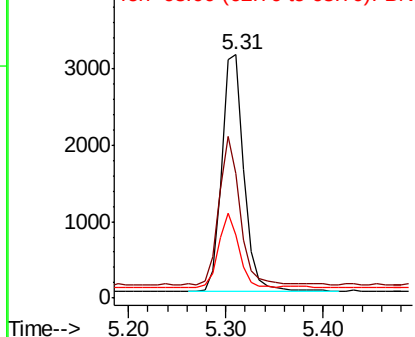


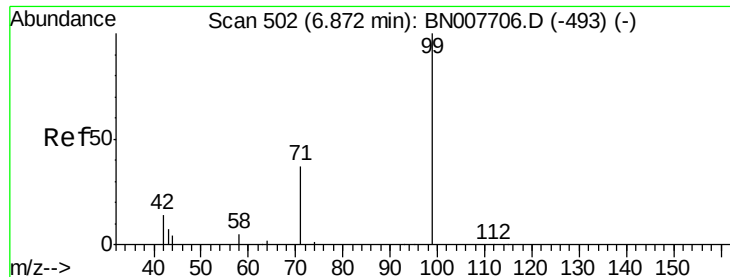
Abundance

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: 0.351 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007996.D

Acq: 04 Oct 2019 00:35

Instrument :

BNA_N

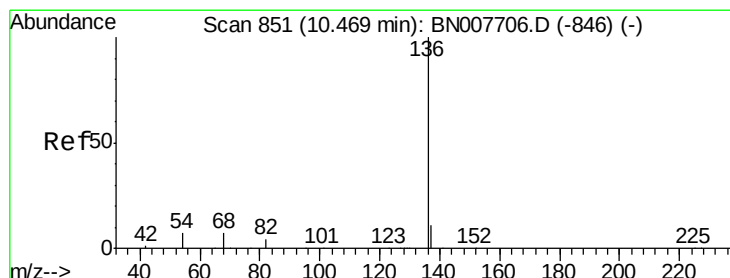
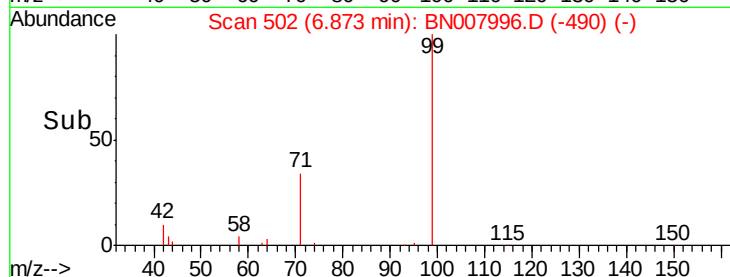
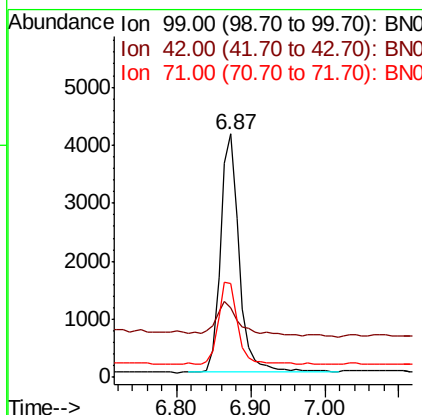
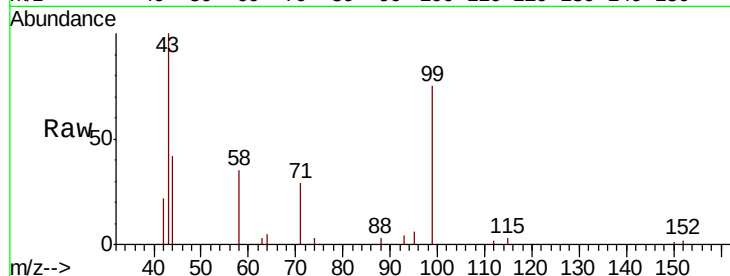
ClientSampleId :

PST-024-B270-092619

Tot Ion:	99	Resp:	7212
Ion	Ratio	Lower	Upper
99	100		
42	18.1	12.8	19.2
71	35.9	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

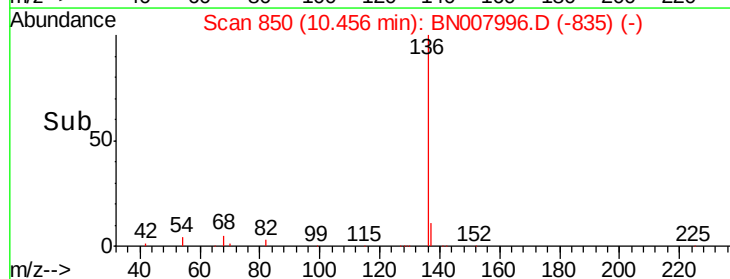
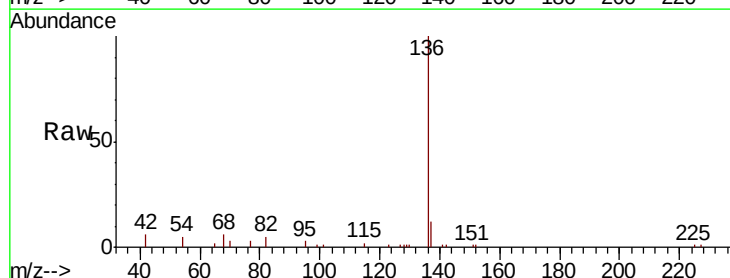
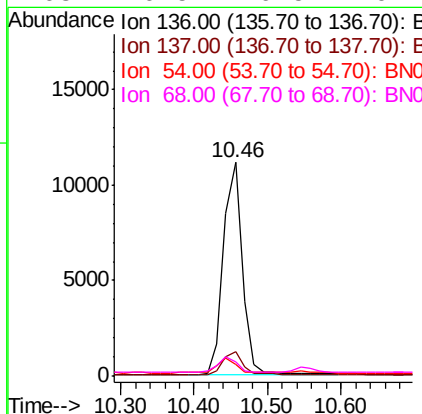
RT: 10.46 min Scan# 850

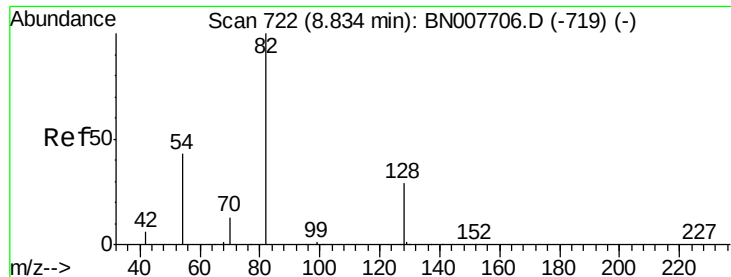
Delta R.T. -0.01 min

Lab File: BN007996.D

Acq: 04 Oct 2019 00:35

Tgt Ion:	136	Resp:	19898
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	5.4	5.8	8.8#
68	6.5	6.5	9.7#





#8

Nitrobenzene-d5

Concen: 0.315 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007996.D

Acq: 04 Oct 2019 00:35

Instrument :

BNA_N

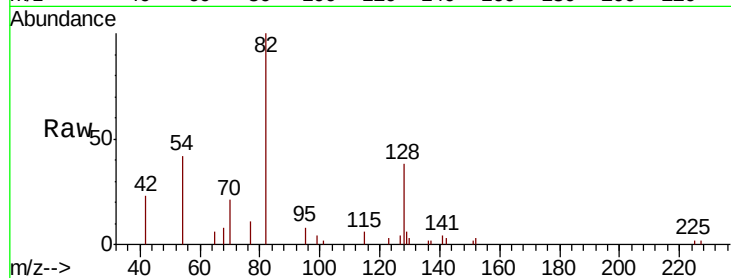
ClientSampleId :

PST-024-B270-092619

Tot Ion:	82	Resp:	5476
Ion Ratio	Lower	Upper	
82	100		
128	38.4	24.5	36.7#
54	41.6	35.2	52.8

Manual Integrations
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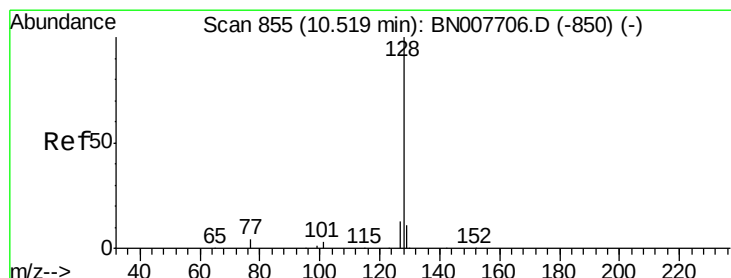
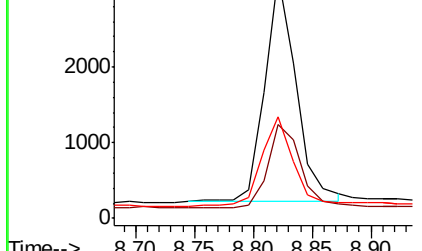
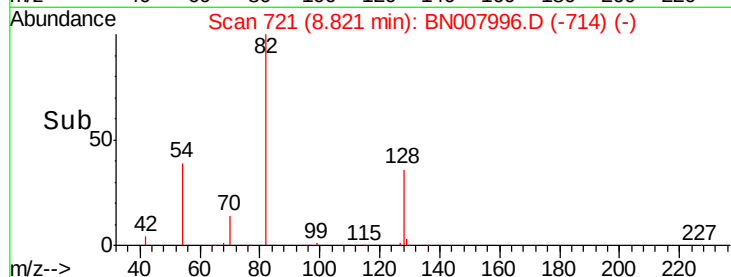


Abundance Ion 82.00 (81.70 to 82.70): BN007706.D (-719) (-)

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

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

Time-->



#9

Naphthalene

Concen: 0.023 ng

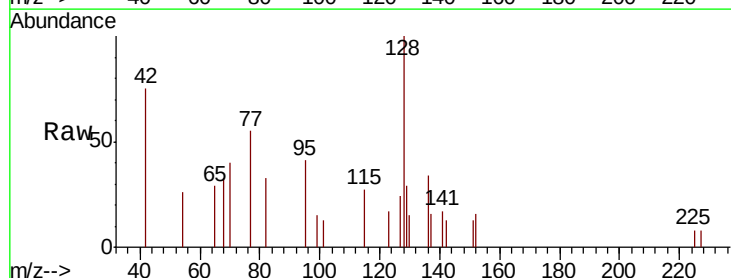
RT: 10.49 min Scan# 853

Delta R.T. -0.03 min

Lab File: BN007996.D

Acq: 04 Oct 2019 00:35

Tgt Ion:	128	Resp:	1275
Ion Ratio	Lower	Upper	
128	100		
129	29.0	9.1	13.7#
127	23.6	10.6	15.8#

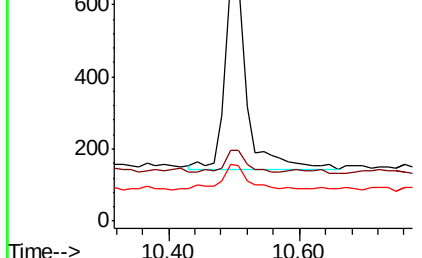
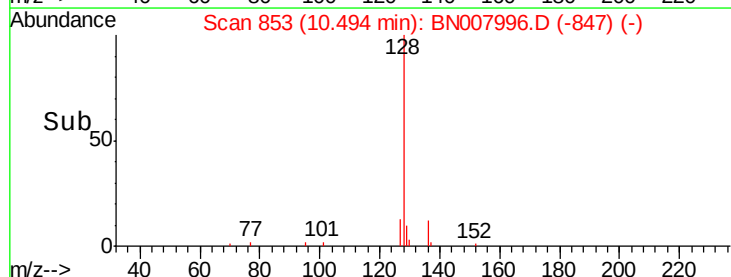


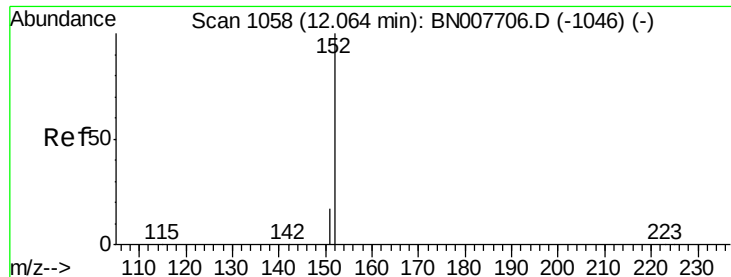
Abundance Ion 128.00 (127.70 to 128.70): BN007706.D (-850) (-)

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

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

Time-->





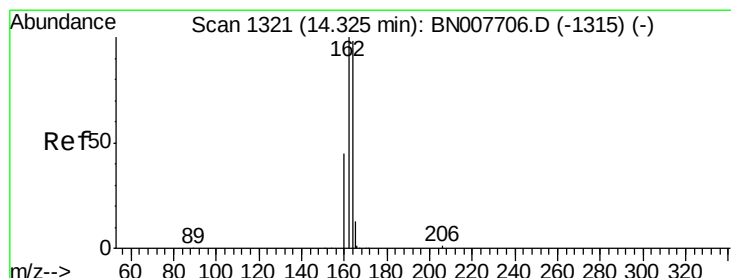
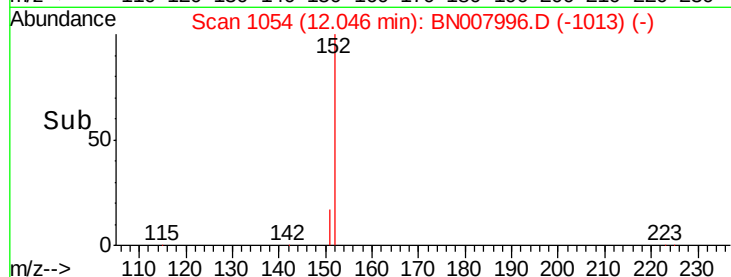
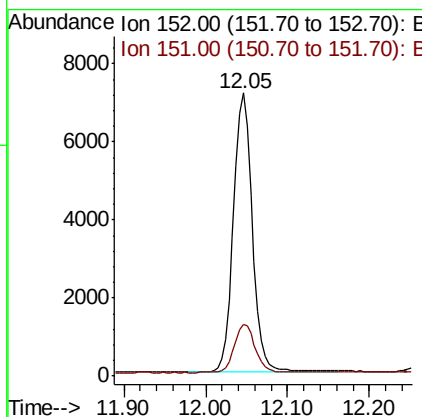
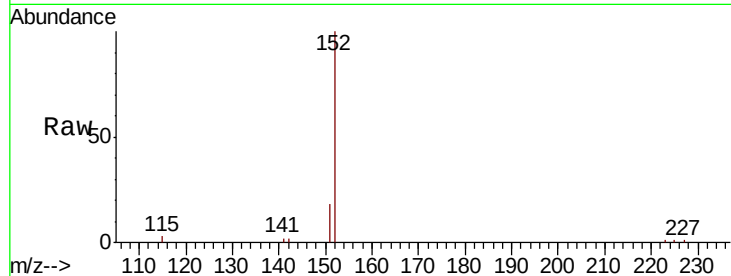
#11
 2-Methylnaphthalene-d10
 Concen: 0.343 ng
 RT: 12.05 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: BN007996.D
 Acq: 04 Oct 2019 00:35

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B270-092619

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.2

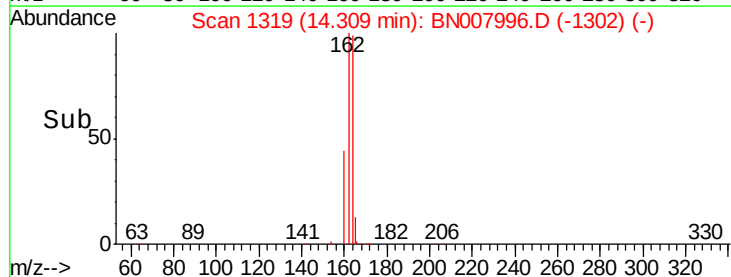
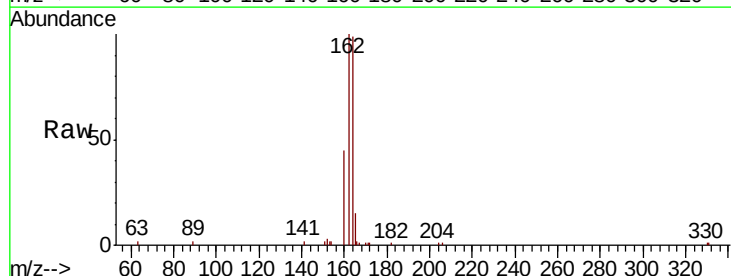
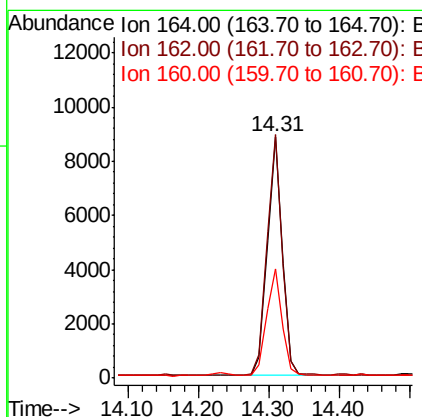
Manual Integrations
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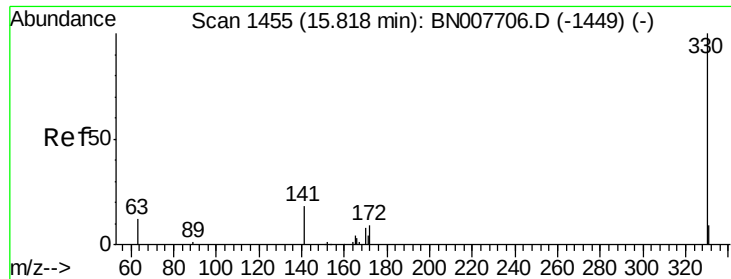
mohammad
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#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.31 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: BN007996.D
 Acq: 04 Oct 2019 00:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.7	122.5
160	45.0	37.0	55.4





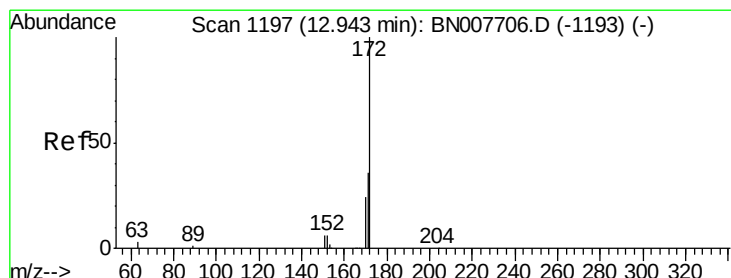
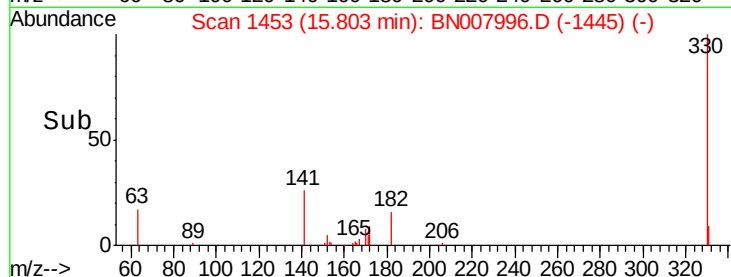
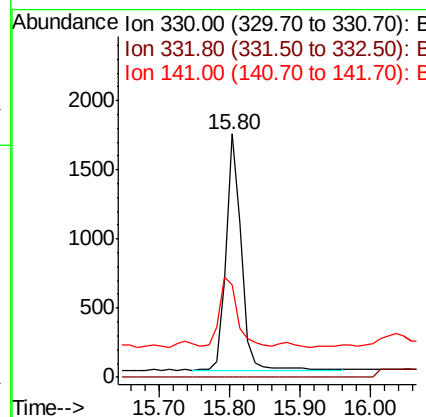
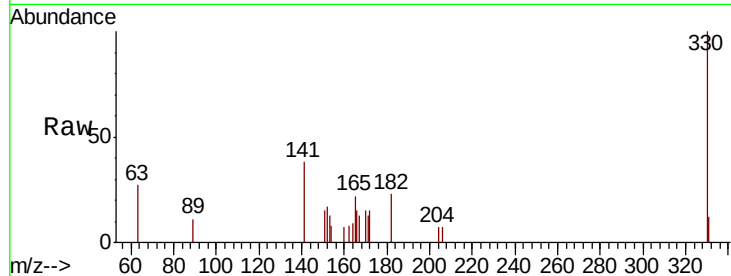
#14
 2,4,6-Tribromophenol
 Concen: 0.370 ng
 RT: 15.80 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: BN007996.D
 Acq: 04 Oct 2019 00:35

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B270-092619

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.4	28.7	43.1

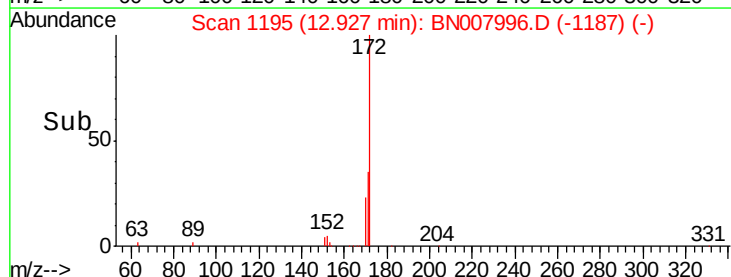
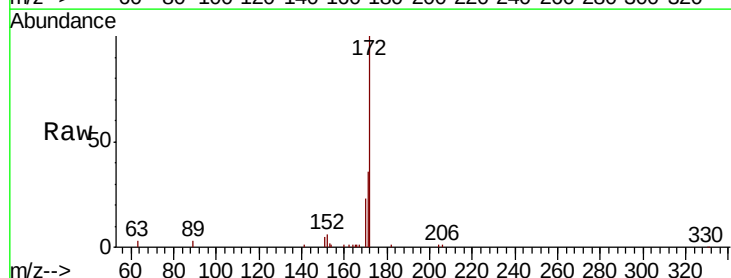
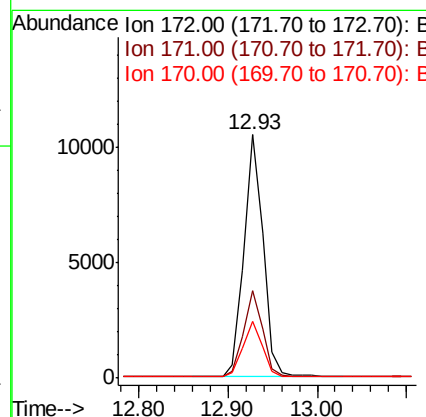
Manual Integrations
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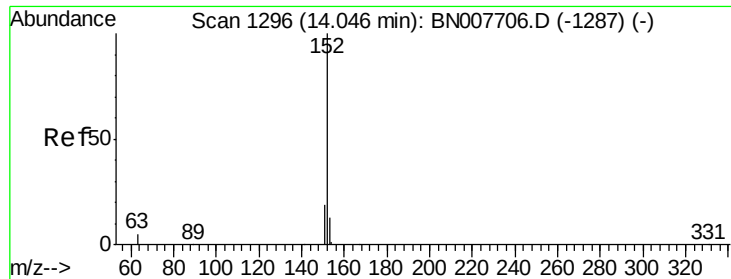
mohammad
 10/7/2019 8:27:30 AM



#15
 2-Fluorobiphenyl
 Concen: 0.294 ng
 RT: 12.93 min Scan# 1195
 Delta R.T. -0.02 min
 Lab File: BN007996.D
 Acq: 04 Oct 2019 00:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.8	43.2
170	23.1	19.5	29.3





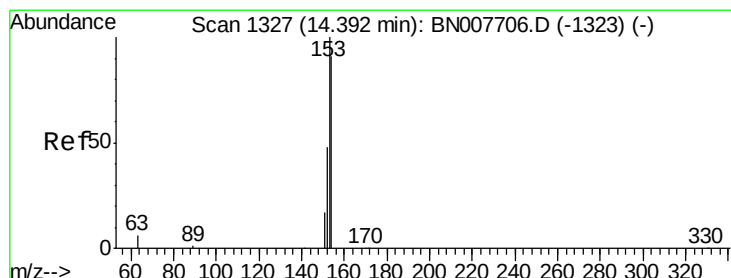
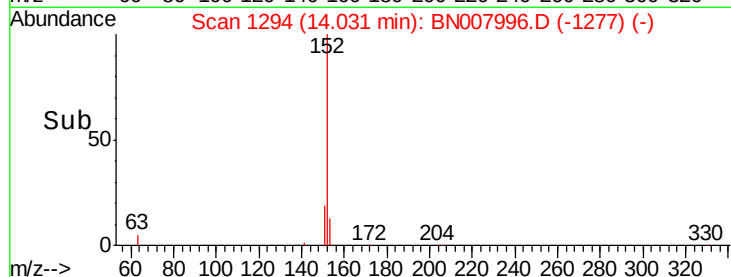
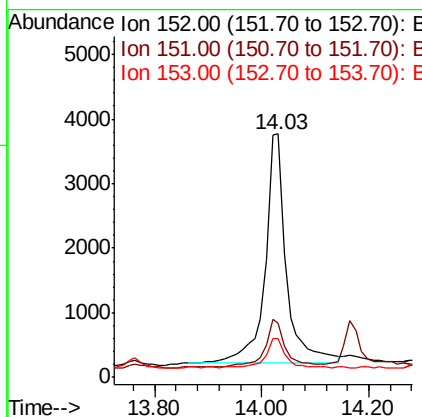
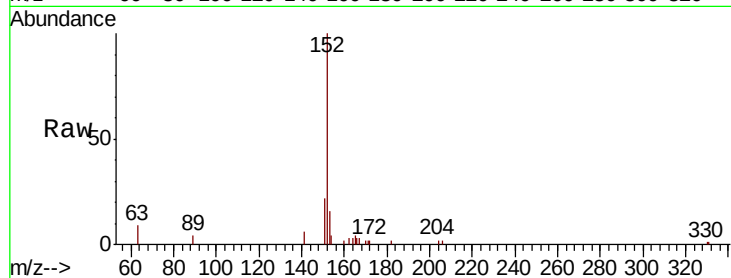
#16
Acenaphthylene
Concen: 0.145 ng
RT: 14.03 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007996.D
Acq: 04 Oct 2019 00:35

Instrument :
BNA_N
ClientSampleId :
PST-024-B270-092619

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.5	23.3
153	11.8	10.4	15.6

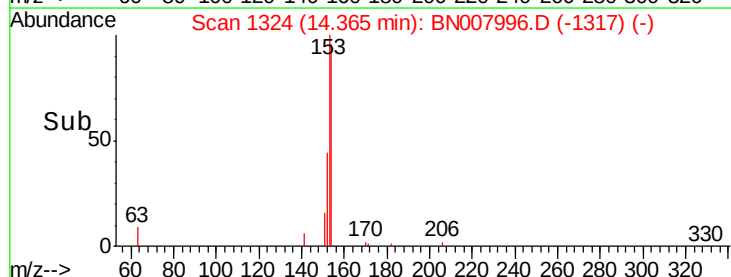
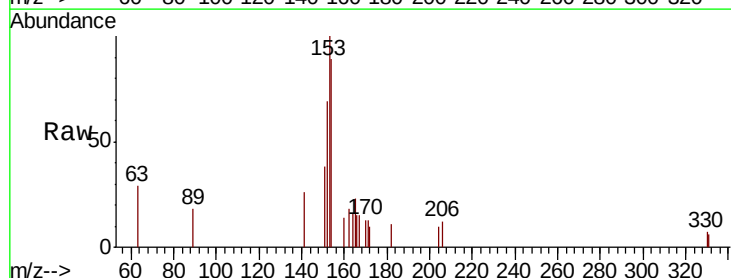
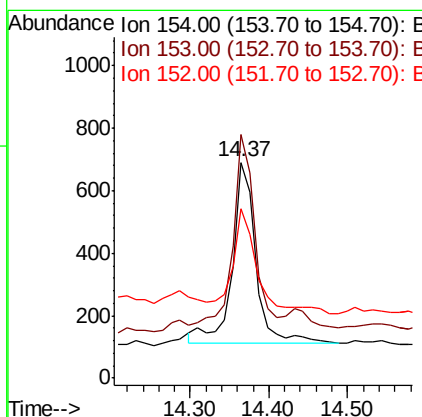
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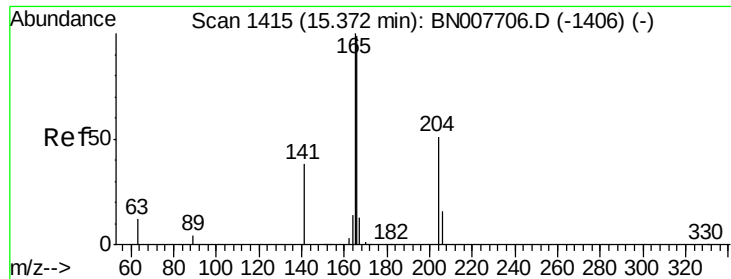
mohammad
10/7/2019 8:27:30 AM



#17
Acenaphthene
Concen: 0.027 ng
RT: 14.37 min Scan# 1324
Delta R.T. -0.03 min
Lab File: BN007996.D
Acq: 04 Oct 2019 00:35

Tgt Ion	Ratio	Lower	Upper
154	100		
153	95.3	87.0	130.4
152	63.0	42.7	64.1





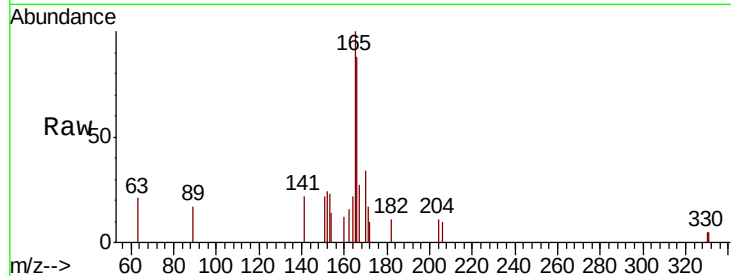
#18
 Fluorene
 Concen: 0.036 ng
 RT: 15.36 min Scan# 1413
 Delta R.T. -0.02 min
 Lab File: BN007996.D
 Acq: 04 Oct 2019 00:35

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B270-092619

Tot Ion	Ratio	Lower	Upper
166	100		
165	110.6	78.0	117.0
167	15.5	10.9	16.3

Manual Integrations
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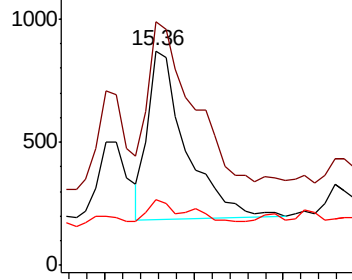


Abundance

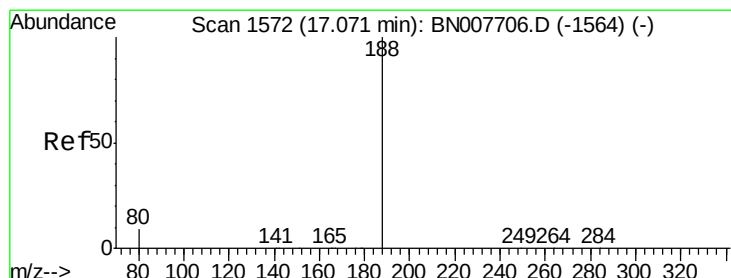
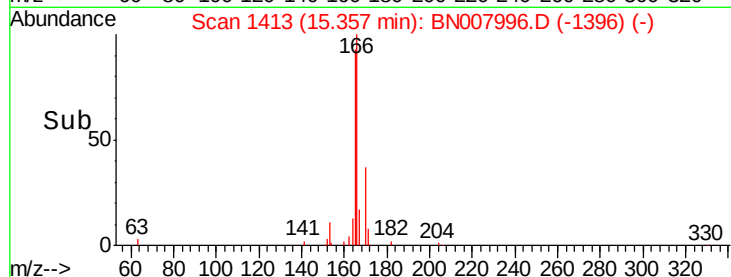
Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.06 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BN007996.D
 Acq: 04 Oct 2019 00:35

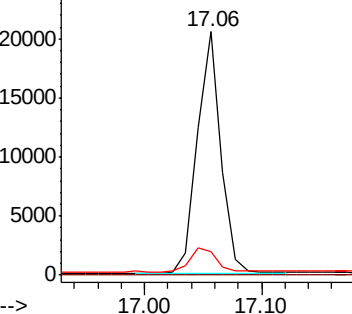
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.5	7.4	11.2

Abundance

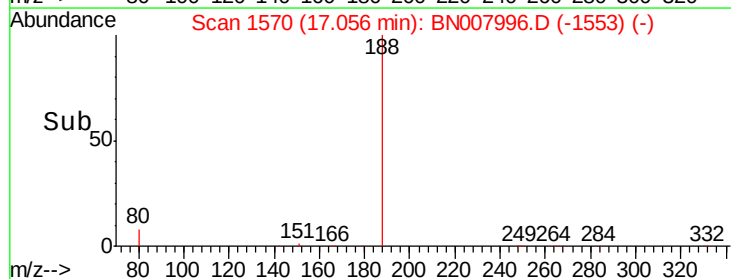
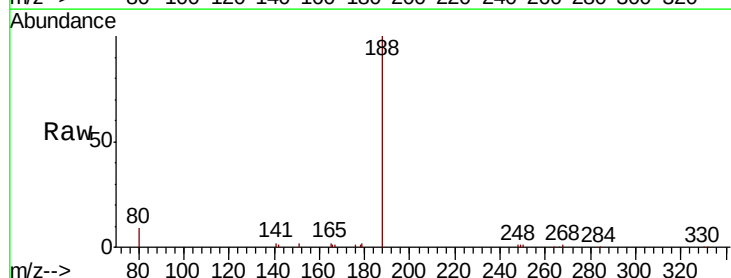
Ion 188.00 (187.70 to 188.70): E

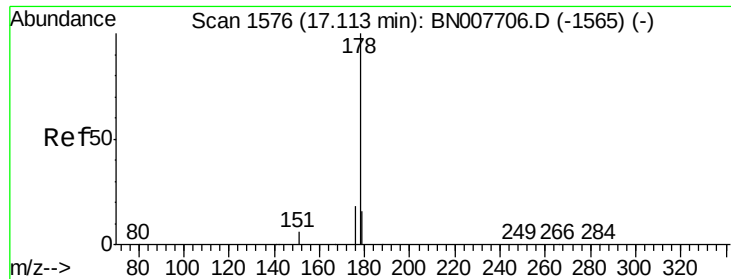
Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



Time-->





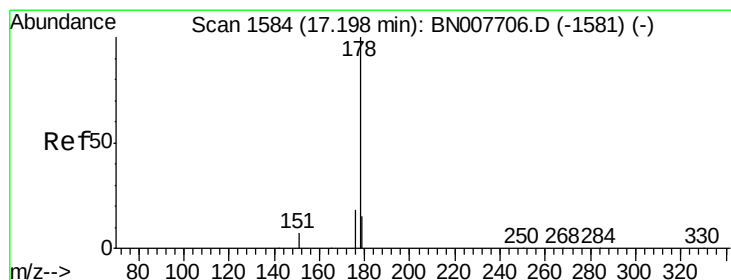
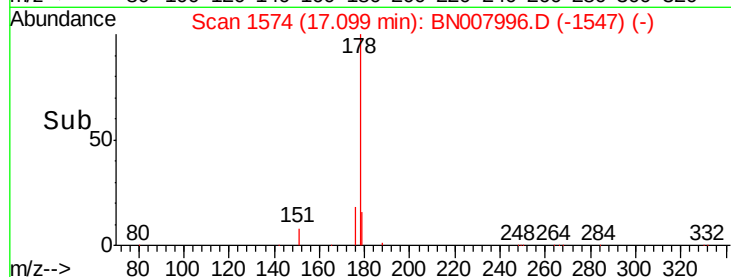
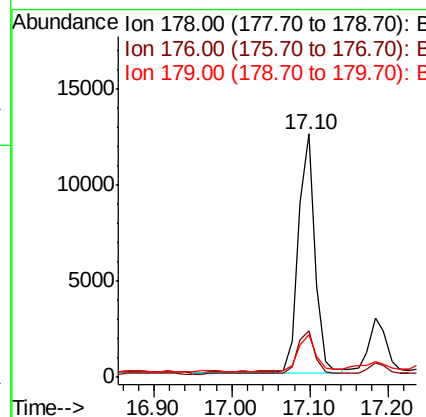
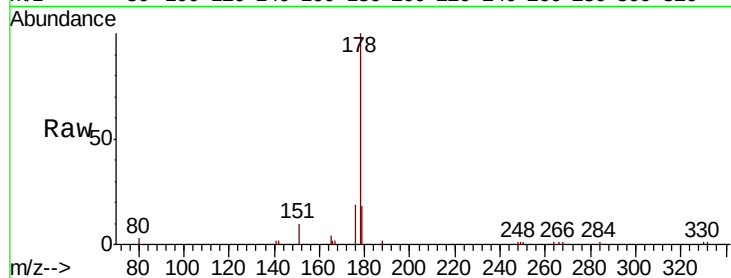
#23
Phenanthrene
Concen: 0.206 ng
RT: 17.10 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BN007996.D
Acq: 04 Oct 2019 00:35

Instrument :
BNA_N
ClientSampleId :
PST-024-B270-092619

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	16.5	12.5	18.7

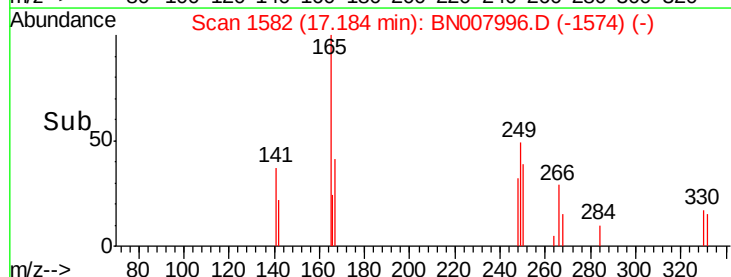
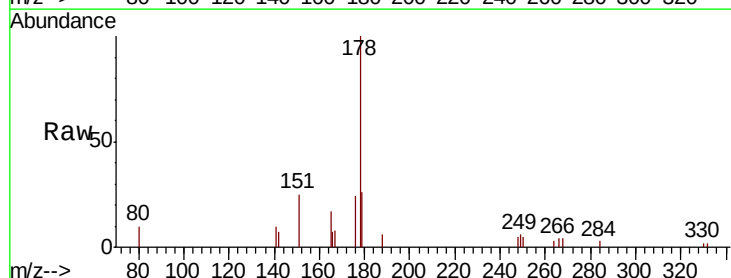
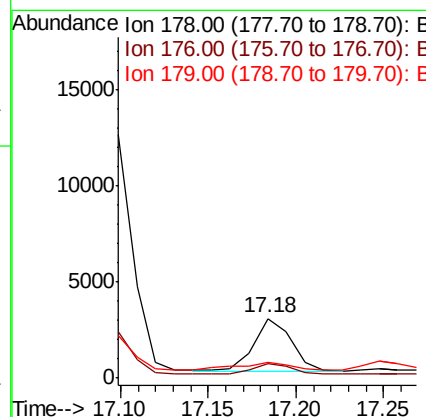
Manual Integrations
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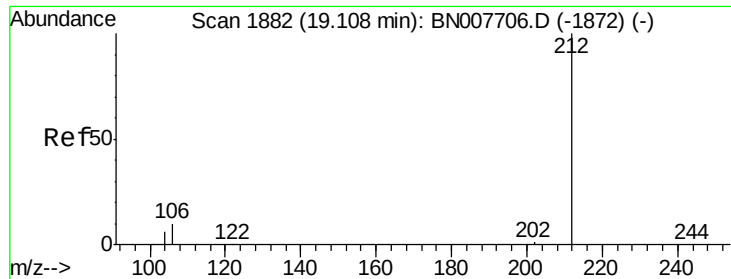
mohammad
10/7/2019 8:27:30 AM



#24
Anthracene
Concen: 0.050 ng
RT: 17.18 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BN007996.D
Acq: 04 Oct 2019 00:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	14.6	21.8
179	22.5	12.2	18.4#





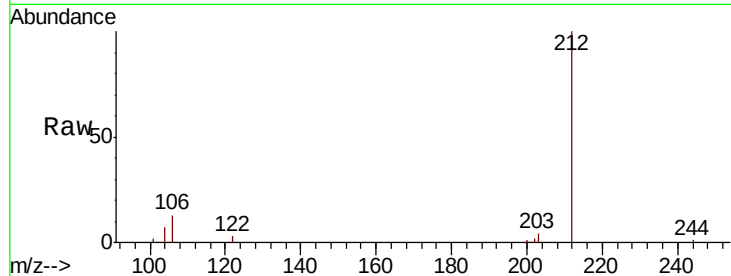
#25
 Fluoranthene-d10
 Concen: 0.342 ng
 RT: 19.09 min Scan# 1877
 Delta R.T. -0.02 min
 Lab File: BN007996.D
 Acq: 04 Oct 2019 00:35

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B270-092619

Tot Ion	Ratio	Resp	Lower	Upper
212	100	32839		
106	11.0		9.4	14.0
104	6.7		5.3	7.9

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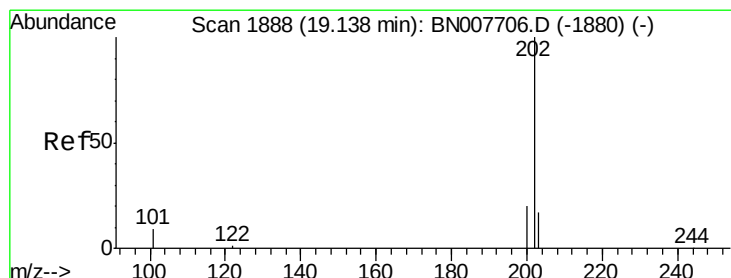
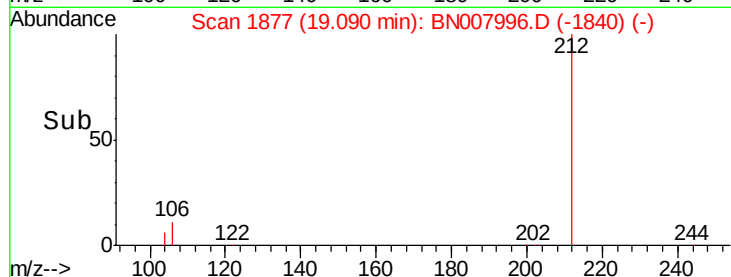
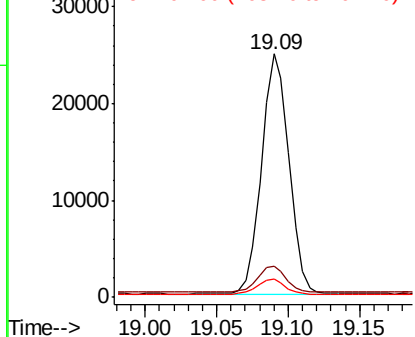


Abundance

Ion 212.00 (211.70 to 212.70): E

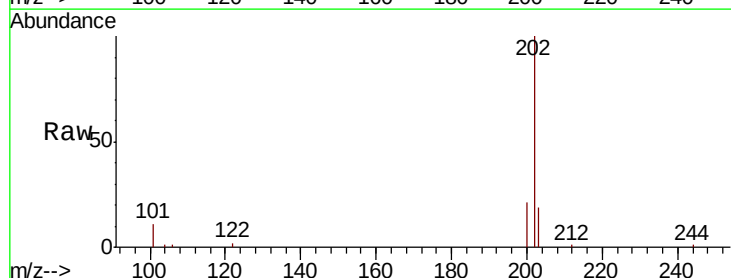
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26
 Fluoranthene
 Concen: 0.474 ng
 RT: 19.12 min Scan# 1883
 Delta R.T. -0.02 min
 Lab File: BN007996.D
 Acq: 04 Oct 2019 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	52384		
101	10.2		8.4	12.6
203	17.9		13.8	20.8

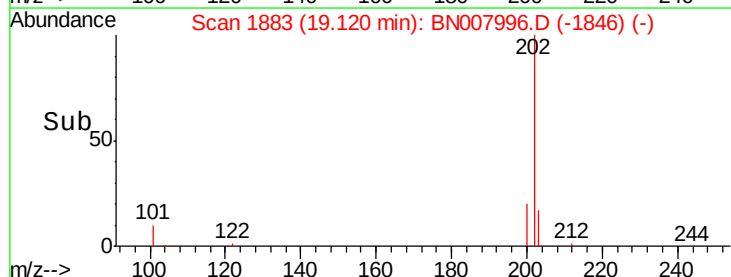
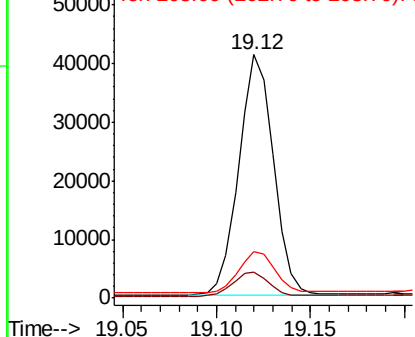


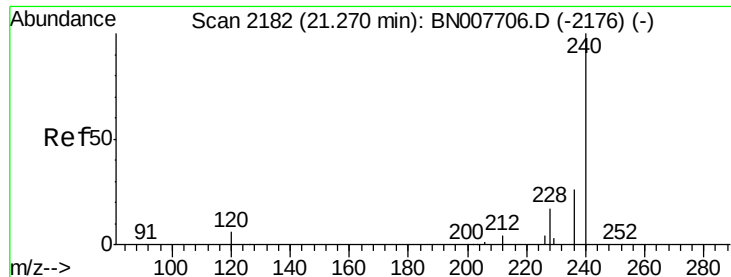
Abundance

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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.25 min Scan# 2179

Delta R.T. -0.02 min

Lab File: BN007996.D

Acq: 04 Oct 2019 00:35

Instrument :

BNA_N

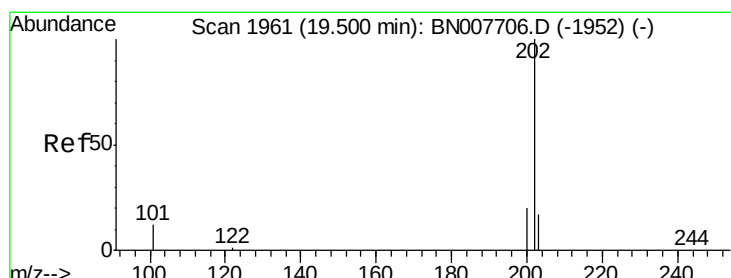
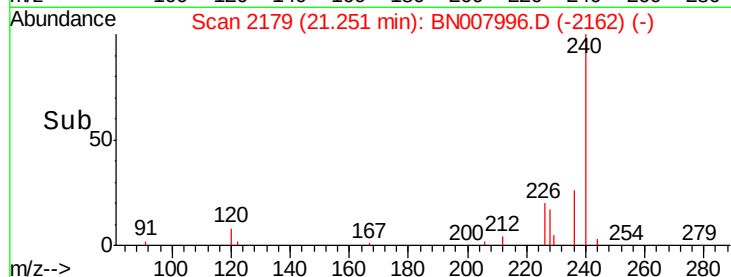
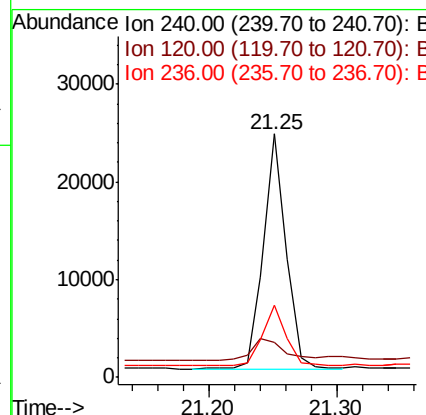
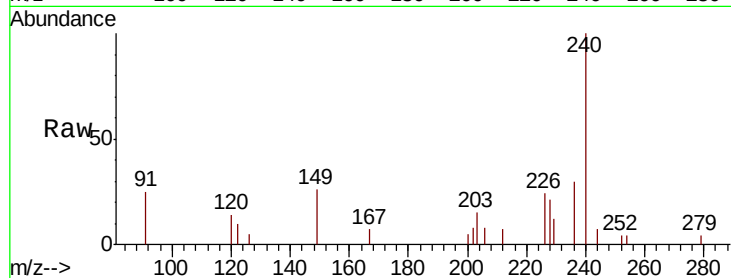
ClientSampleId :

PST-024-B270-092619

Tot Ion	Ion	Ratio	Lower	Upper
240	100			
120	14.4	5.4	8.2#	
236	29.8	21.0	31.4	

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#28

Pyrene

Concen: 0.505 ng

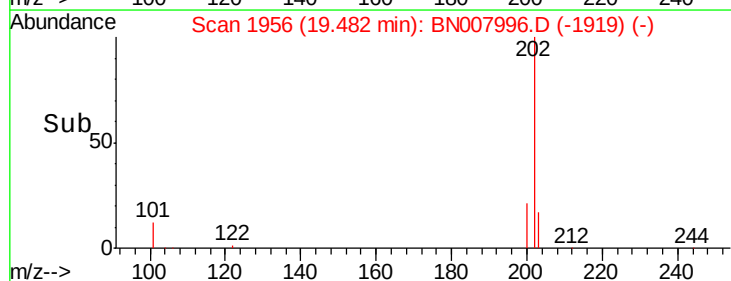
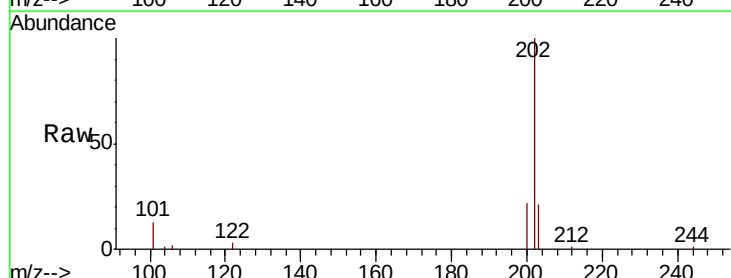
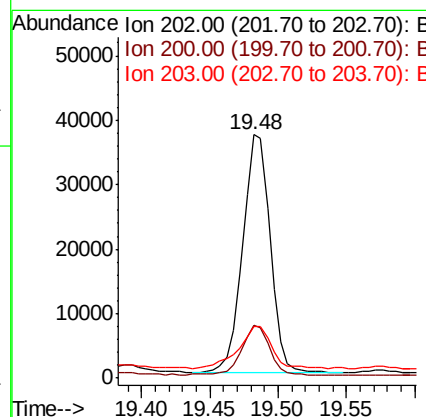
RT: 19.48 min Scan# 1956

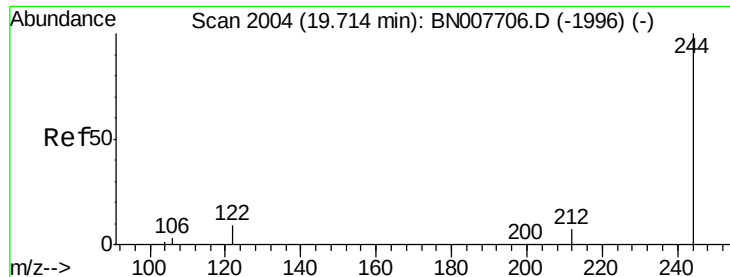
Delta R.T. -0.02 min

Lab File: BN007996.D

Acq: 04 Oct 2019 00:35

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
200	20.8	16.4	24.6	
203	20.7	14.1	21.1	





#29

Terphenyl-d14

Concen: 0.357 ng

RT: 19.70 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BN007996.D

Acq: 04 Oct 2019 00:35

Instrument :

BNA_N

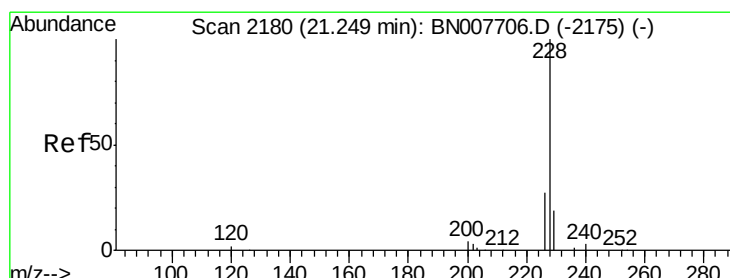
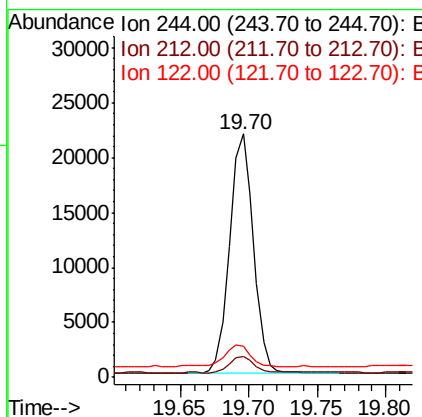
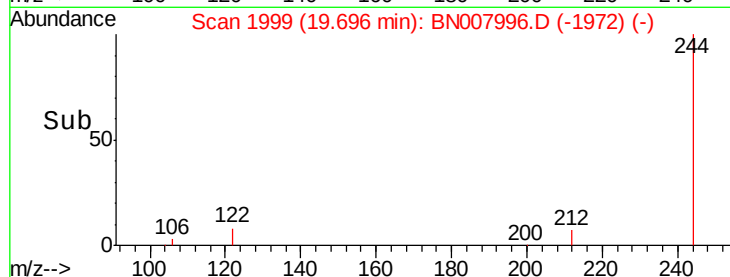
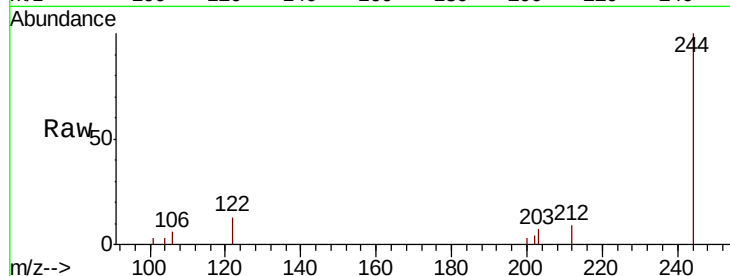
ClientSampleId :

PST-024-B270-092619

Tot Ion:	244	Resp:	26233
Ion Ratio	Lower	Upper	
244	100		
212	8.5	5.9	8.9
122	12.7	7.4	11.2#

Manual Integrations
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#30

Benzo(a)anthracene

Concen: 0.274 ng

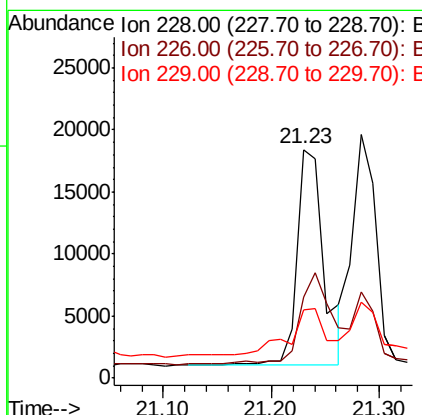
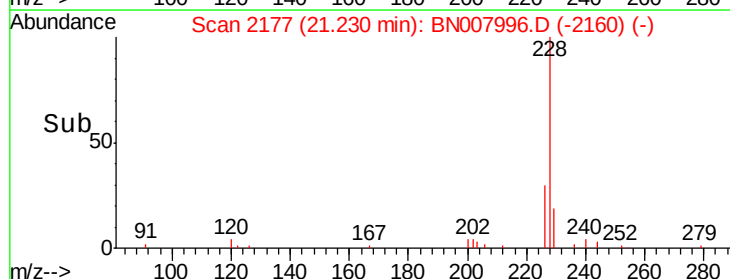
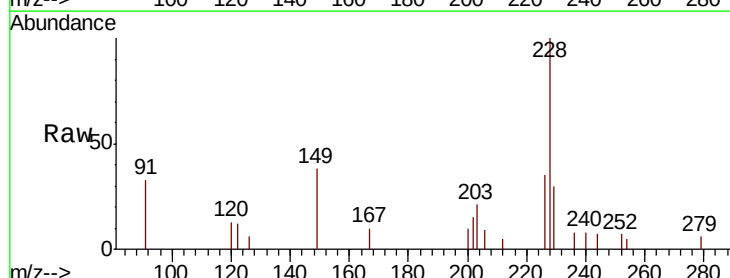
RT: 21.23 min Scan# 2177

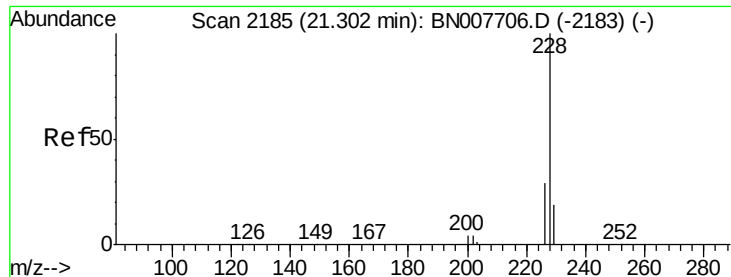
Delta R.T. -0.02 min

Lab File: BN007996.D

Acq: 04 Oct 2019 00:35

Tgt Ion:	228	Resp:	30171
Ion Ratio	Lower	Upper	
228	100		
226	35.3	22.1	33.1#
229	29.6	15.8	23.6#





#31

Chrysene

Concen: 0.257 ng

RT: 21.28 min Scan# 2182

Delta R.T. -0.02 min

Lab File: BN007996.D

Acq: 04 Oct 2019 00:35

Instrument :

BNA_N

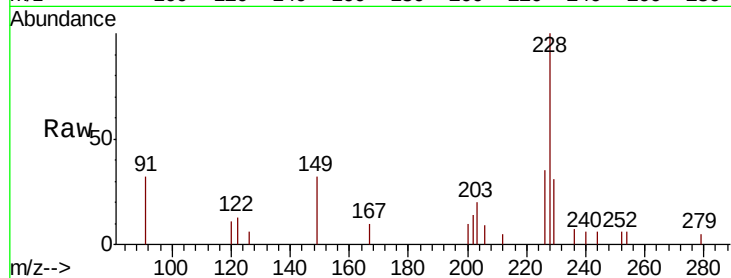
ClientSampleId :

PST-024-B270-092619

Tot Ion:	228	Resp:	27512
Ion Ratio	Lower	Upper	
228	100		
226	35.3	23.9	35.9
229	30.9	15.8	23.6#

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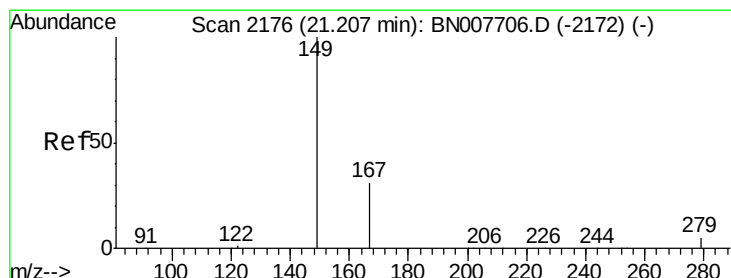
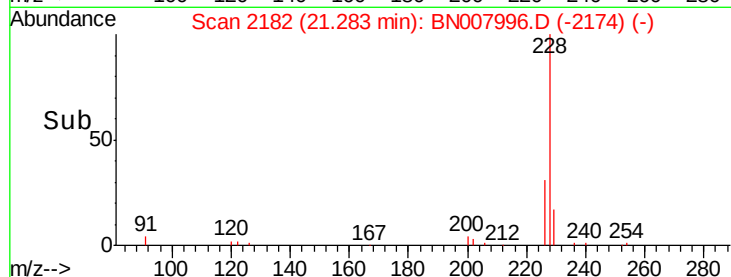
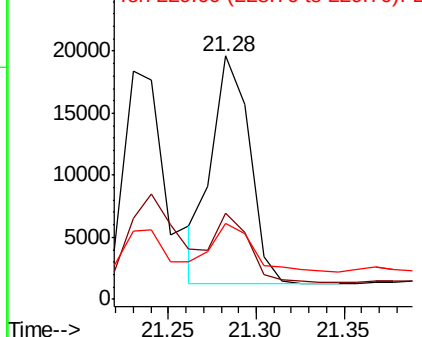


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.147 ng

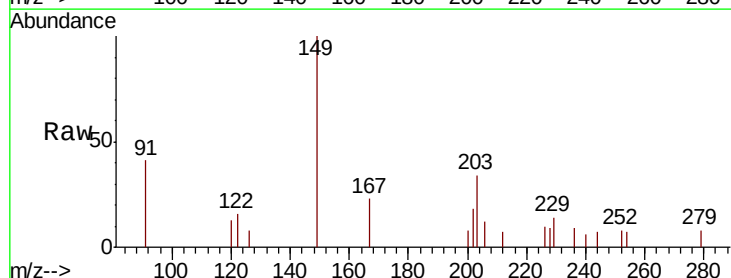
RT: 21.18 min Scan# 2172

Delta R.T. -0.03 min

Lab File: BN007996.D

Acq: 04 Oct 2019 00:35

Tgt Ion:	149	Resp:	8309
Ion Ratio	Lower	Upper	
149	100		
167	16.9	23.7	35.5#
279	4.4	4.2	6.2

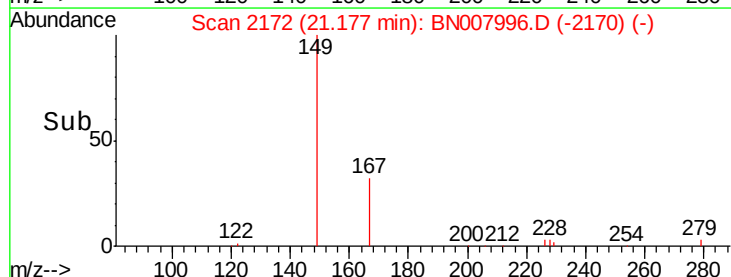
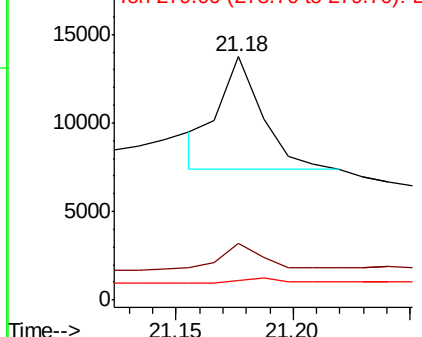


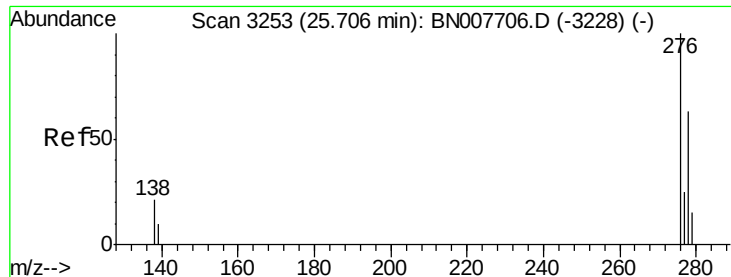
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





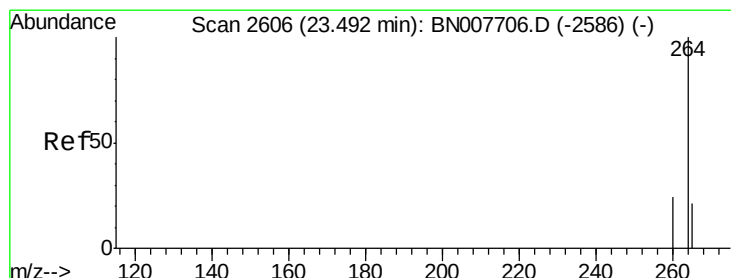
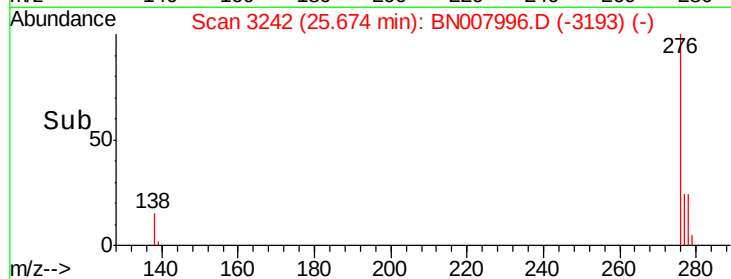
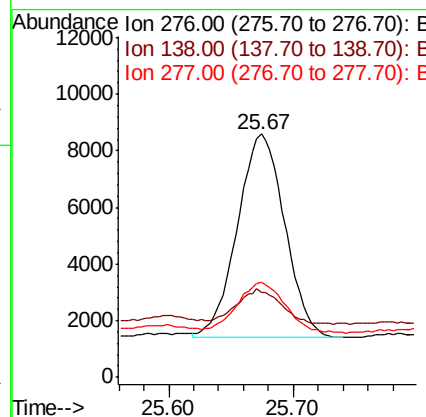
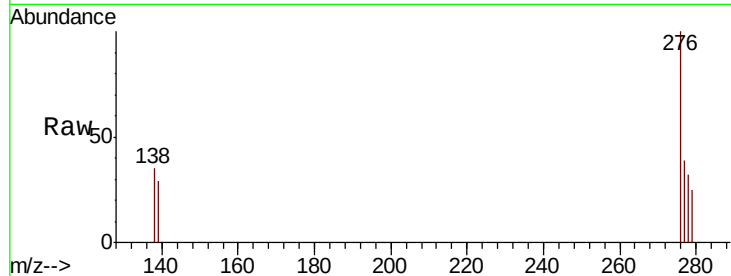
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.142 ng
RT: 25.67 min Scan# 3242
Delta R.T. -0.03 min
Lab File: BN007996.D
Acq: 04 Oct 2019 00:35

Instrument :
BNA_N
ClientSampleId :
PST-024-B270-092619

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.6	17.1	25.7#
277	24.9	20.0	30.0

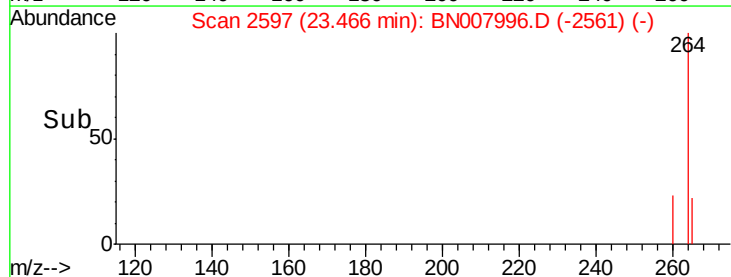
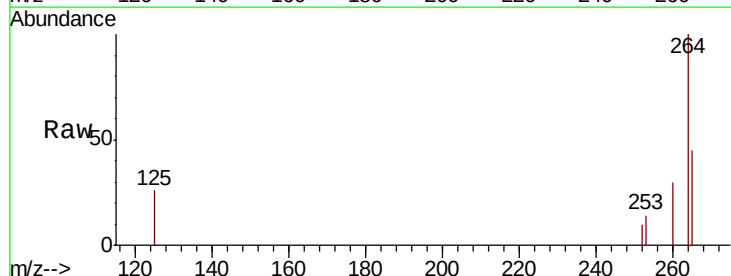
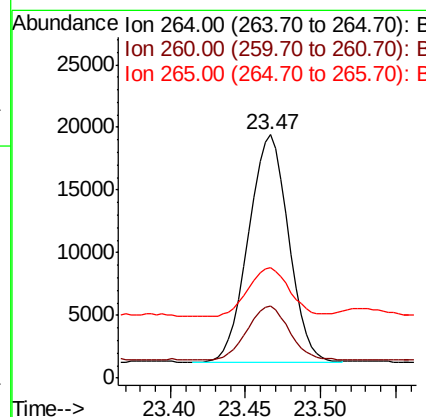
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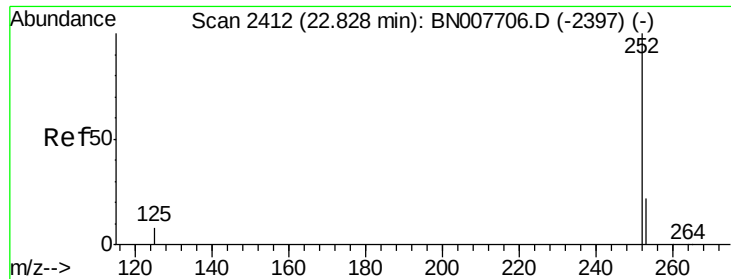
mohammad
10/7/2019 8:27:30 AM



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2597
Delta R.T. -0.03 min
Lab File: BN007996.D
Acq: 04 Oct 2019 00:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	29.5	19.3	28.9#
265	45.4	26.9	40.3#





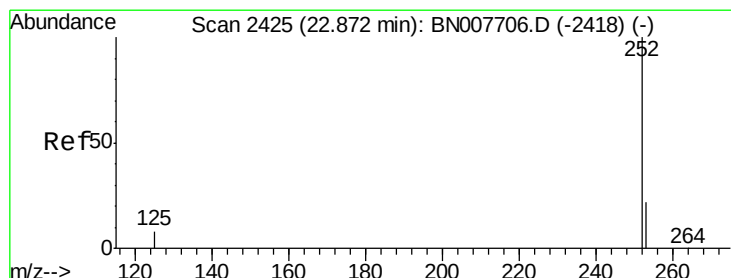
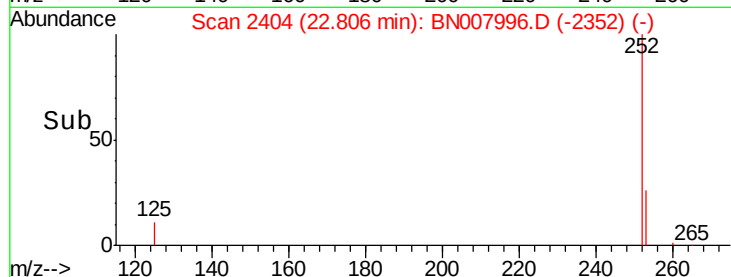
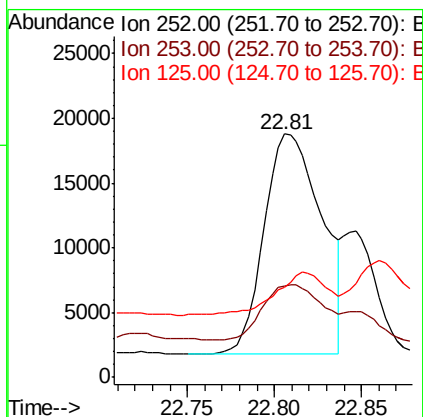
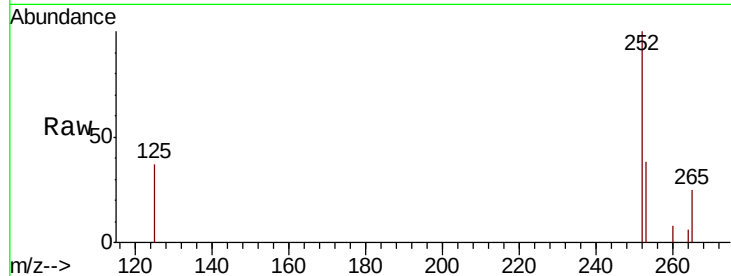
#35
Benzo(b)fluoranthene
Concen: 0.342 ng
RT: 22.81 min Scan# 2404
Delta R.T. -0.02 min
Lab File: BN007996.D
Acq: 04 Oct 2019 00:35

Instrument :
BNA_N
ClientSampleId :
PST-024-B270-092619

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.7	18.3	27.5#
125	37.0	8.2	12.4#

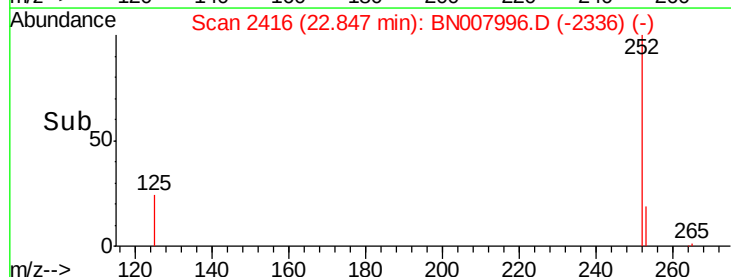
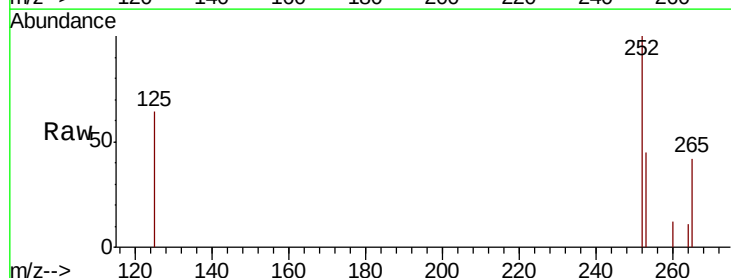
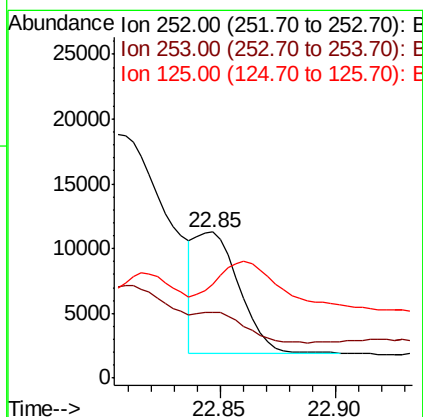
Manual Integrations
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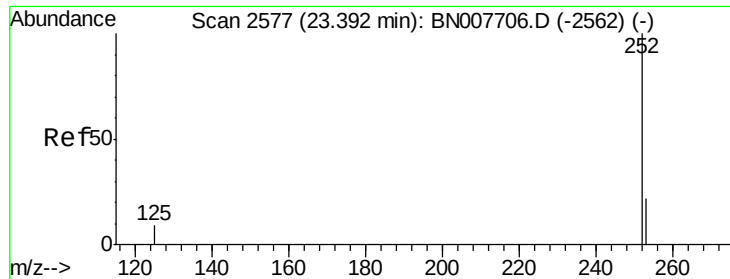
mohammad
10/7/2019 8:27:30 AM



#36
Benzo(k)fluoranthene
Concen: 0.110 ng m
RT: 22.85 min Scan# 2416
Delta R.T. -0.03 min
Lab File: BN007996.D
Acq: 04 Oct 2019 00:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	45.0	18.5	27.7#
125	64.2	8.4	12.6#





#37

Benzo(a)pyrene

Concen: 0.257 ng

RT: 23.37 min Scan# 2568

Delta R.T. -0.03 min

Lab File: BN007996.D

Acq: 04 Oct 2019 00:35

Instrument :

BNA_N

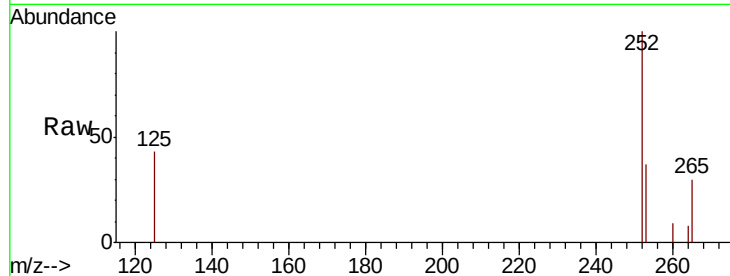
ClientSampleId :

PST-024-B270-092619

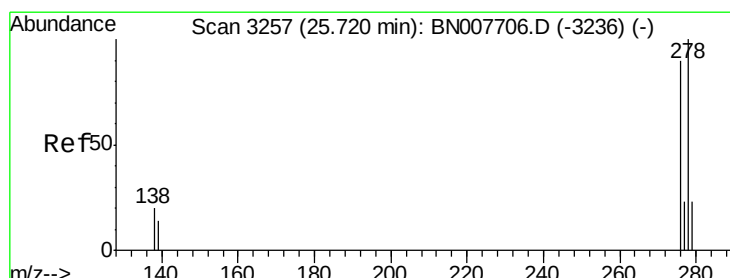
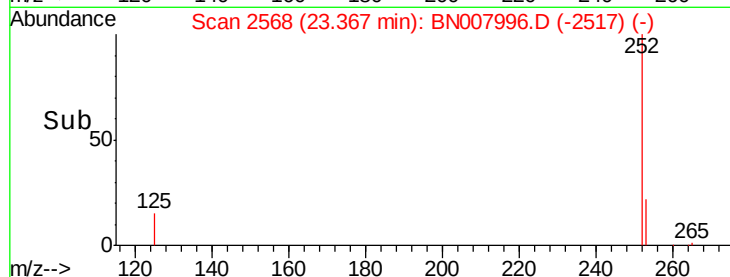
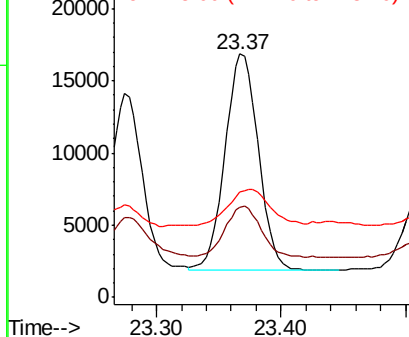
Tot Ion:	252	Resp:	27696
Ion Ratio	Lower	Upper	
252	100		
253	37.2	18.6	27.8#
125	43.1	9.4	14.0#

Manual Integrations
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10/7/2019 8:27:30 AM



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



#38

Dibenzo(a,h)anthracene

Concen: 0.050 ng

RT: 25.67 min Scan# 3242

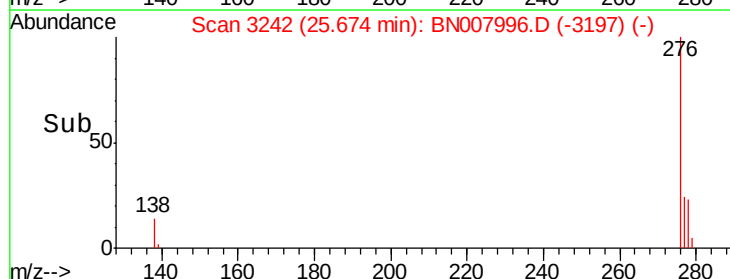
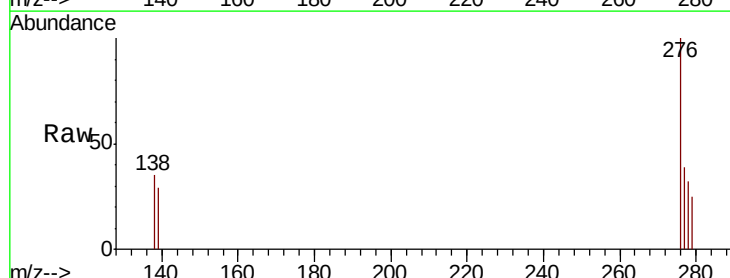
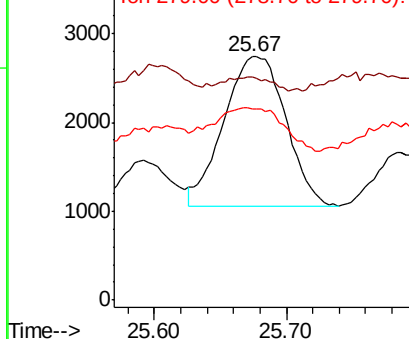
Delta R.T. -0.05 min

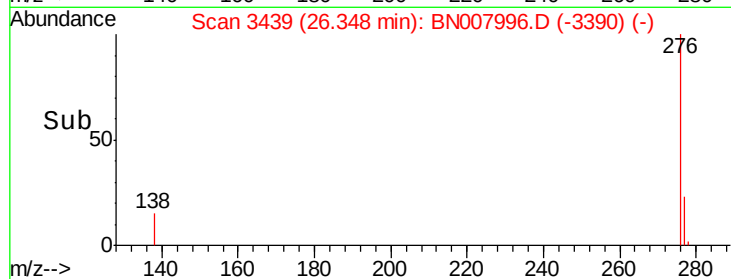
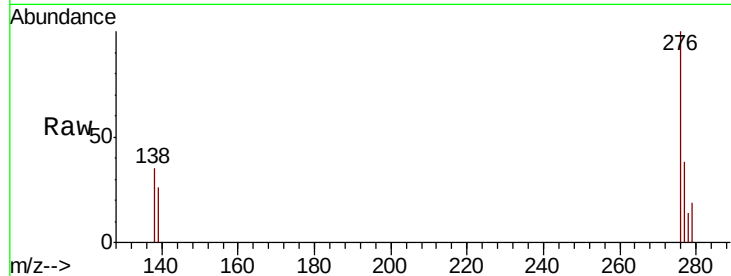
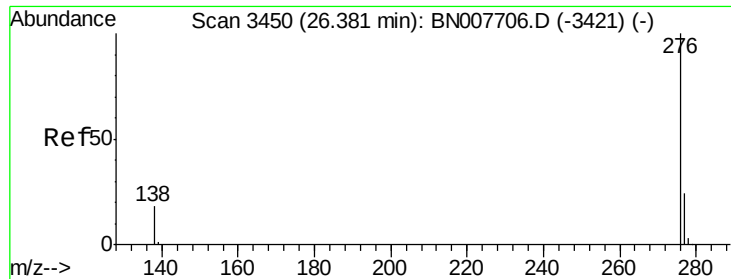
Lab File: BN007996.D

Acq: 04 Oct 2019 00:35

Tgt Ion:	278	Resp:	5526
Ion Ratio	Lower	Upper	
278	100		
139	91.7	11.8	17.6#
279	78.3	19.4	29.2#

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.213 ng

RT: 26.35 min Scan# 3439

Delta R.T. -0.03 min

Lab File: BN007996.D

Acq: 04 Oct 2019 00:35

Instrument :

BNA_N

ClientSampleId :

PST-024-B270-092619

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	38.5	19.8	29.8#		
138	34.8	15.1	22.7#		

Manual Integrations
APPROVED

mohammad
10/7/2019 8:27:30 AM

