

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100219\
 Data File : BN007977.D
 Acq On : 02 Oct 2019 22:05
 Operator : JU
 Sample : K5077-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B273-092519

Manual Integrations
 APPROVED

mohammad
 10/4/2019 8:16:50 AM

Quant Time: Oct 03 07:18:21 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	5900	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	25067	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	15775	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	33093	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	35064	0.40	ng	-0.02
34) Perylene-d12	23.47	264	37061	0.40	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	4827	0.24	ng	0.00
5) Phenol-d6	6.87	99	6670	0.26	ng	0.00
8) Nitrobenzene-d5	8.82	82	5550	0.25	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	10902	0.26	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	2032	0.24	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	14609	0.22	ng	-0.01
25) Fluoranthene-d10	19.09	212	26094	0.23	ng	-0.01
29) Terphenyl-d14	19.69	244	21428	0.25	ng	-0.02
Target Compounds						Qvalue
12) 2-Methylnaphthalene	12.13	142	1062	0.022	ng	# 87
16) Acenaphthylene	14.02	152	16278	0.195	ng	99
17) Acenaphthene	14.37	154	1295	0.024	ng	99
18) Fluorene	15.36	166	3805	0.055	ng	# 80
23) Phenanthrene	17.10	178	68364	0.663	ng	100
24) Anthracene	17.19	178	9930	0.107	ng	98
26) Fluoranthene	19.12	202	114502	0.893	ng	99
28) Pyrene	19.49	202	130304	1.090	ng	97
30) Benzo(a)anthracene	21.24	228	54686m	0.424	ng	
31) Chrysene	21.29	228	63122	0.502	ng	97
32) Bis(2-ethylhexyl)phthalate	21.19	149	4684	0.071	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.67	276	33369	0.212	ng	# 96
35) Benzo(b)fluoranthene	22.81	252	65930	0.512	ng	# 93
36) Benzo(k)fluoranthene	22.84	252	20184m	0.159	ng	
37) Benzo(a)pyrene	23.37	252	47308	0.391	ng	# 93
38) Dibenzo(a,h)anthracene	25.68	278	8092	0.065	ng	# 61
39) Benzo(g,h,i)perylene	26.35	276	35942	0.294	ng	96

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

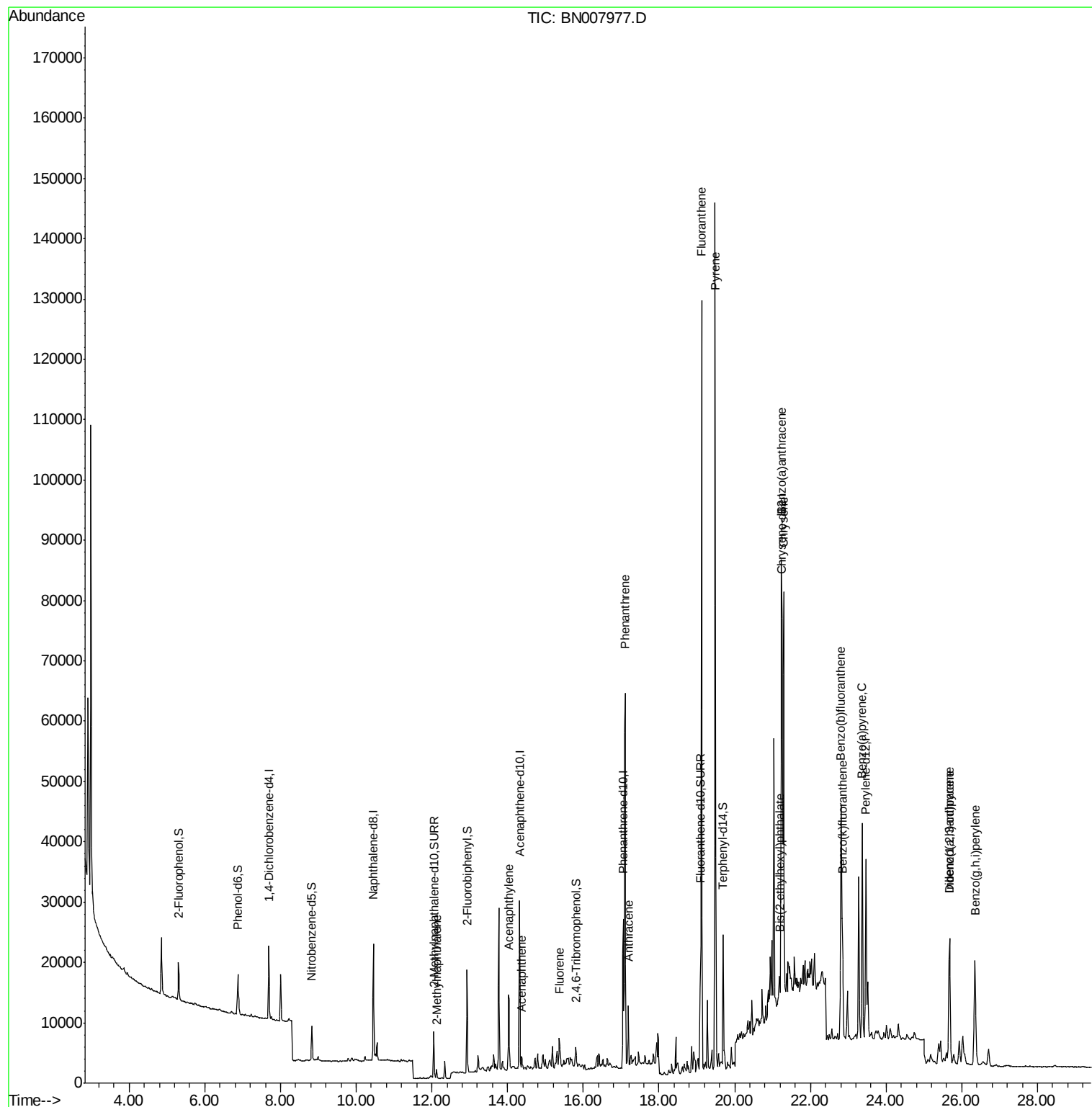
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100219\
Data File : BN007977.D
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ALS Vial : 13 Sample Multiplier: 1

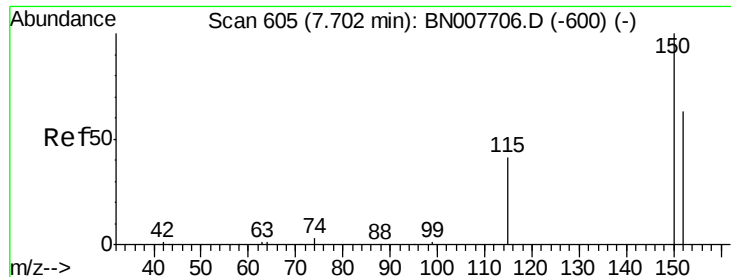
Instrument :
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PST-024-B273-092519

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10/4/2019 8:16:50 AM

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#1

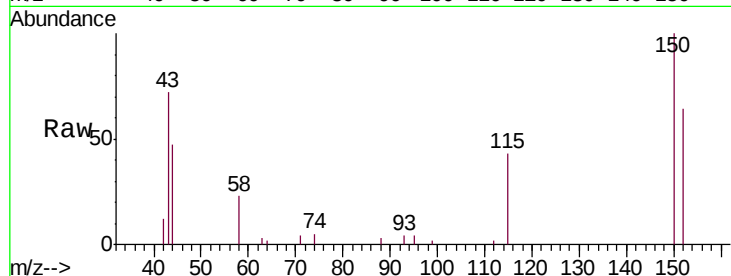
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN007977.D
Acq: 02 Oct 2019 22:05

Instrument :
BNA_N
ClientSampleId :
PST-024-B273-092519

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.6	188.4
115	67.1	53.3	79.9

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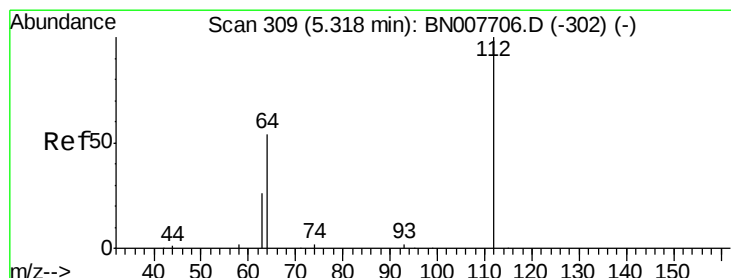
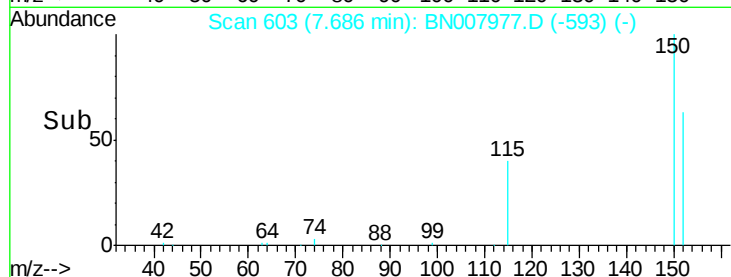
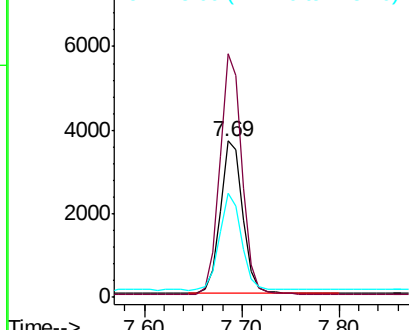


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

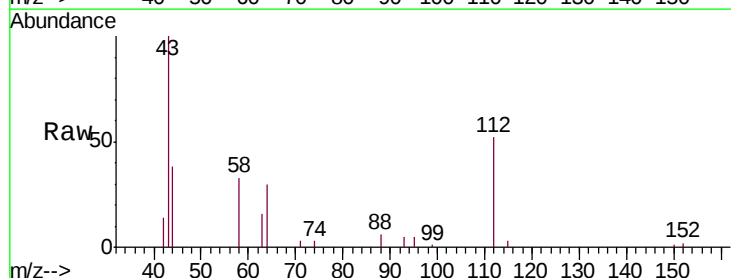
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.238 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007977.D
Acq: 02 Oct 2019 22:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	46.6	70.0
63	28.7	23.1	34.7

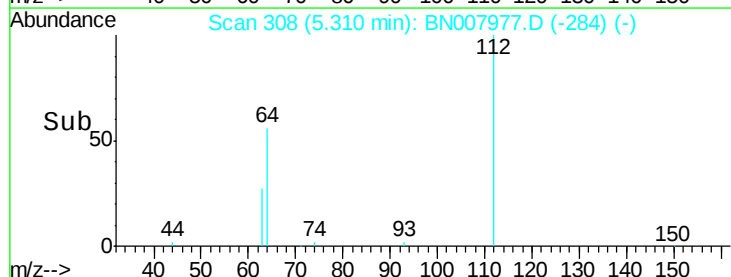
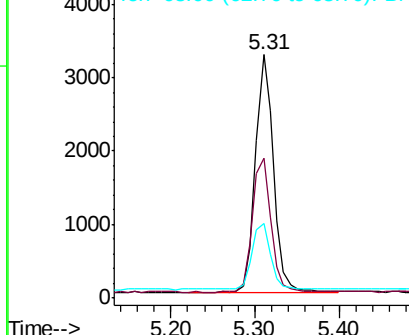


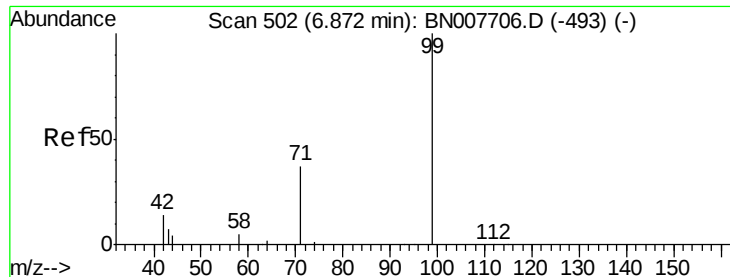
Abundance

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: 0.261 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007977.D

Acq: 02 Oct 2019 22:05

Instrument :

BNA_N

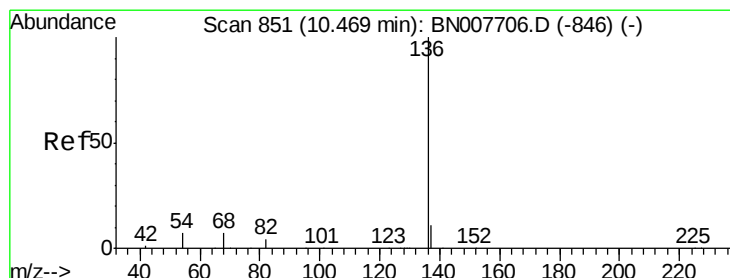
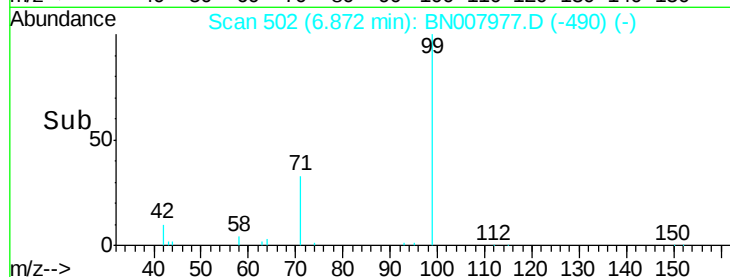
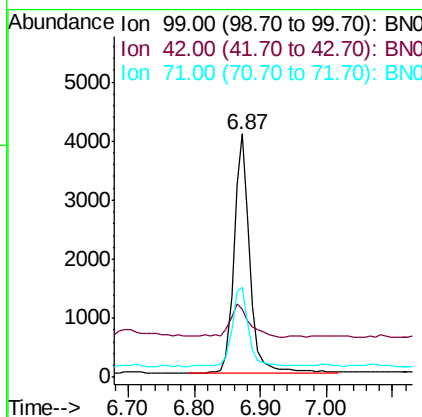
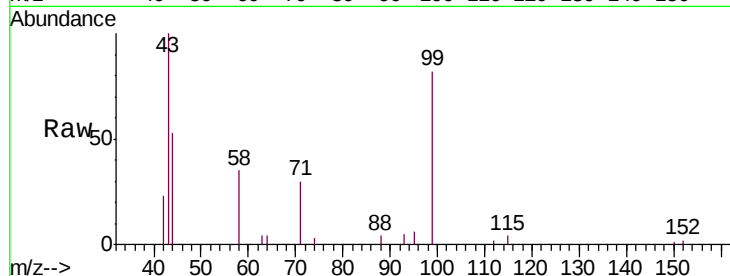
ClientSampleId :

PST-024-B273-092519

Tgt Ion:	99	Resp:	6670
Ion	Ratio	Lower	Upper
99	100		
42	17.5	12.8	19.2
71	34.9	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

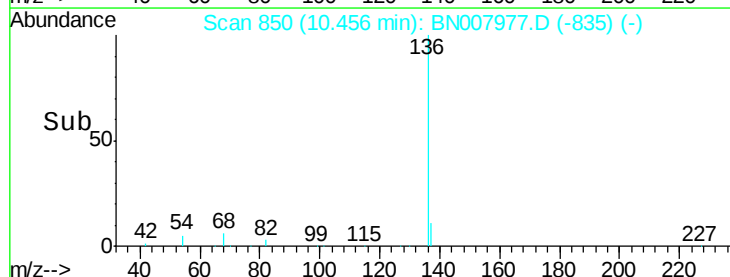
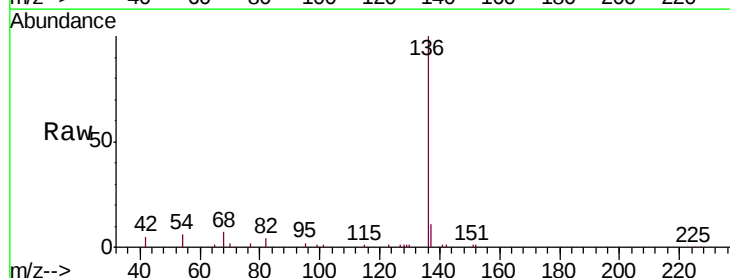
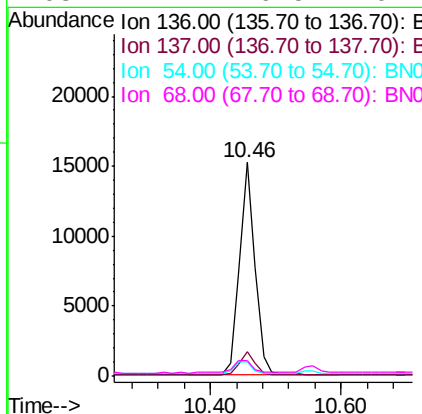
RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007977.D

Acq: 02 Oct 2019 22:05

Tgt Ion:	136	Resp:	25067
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	6.3	5.8	8.8
68	7.1	6.5	9.7





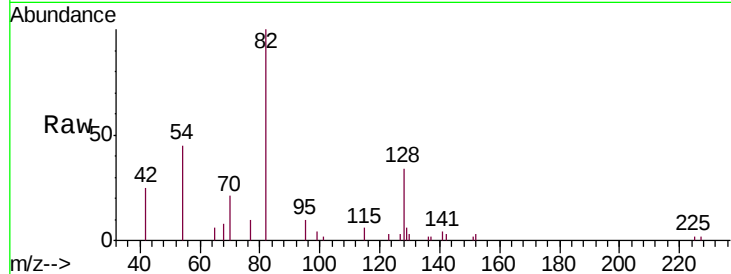
#8
 Nitrobenzene-d5
 Concen: 0.253 ng
 RT: 8.82 min Scan# 721
 Delta R.T. -0.01 min
 Lab File: BN007977.D
 Acq: 02 Oct 2019 22:05

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B273-092519

Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.4	24.5	36.7
54	44.9	35.2	52.8

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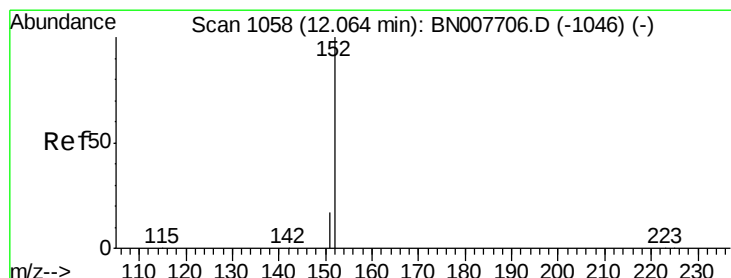
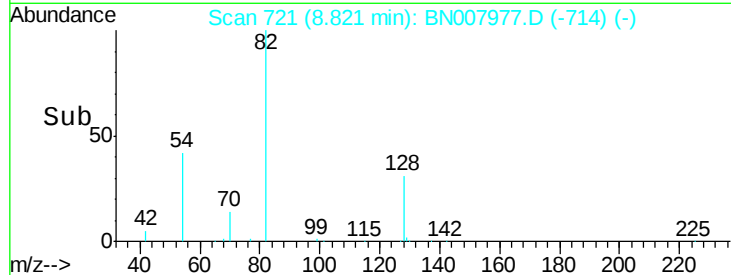
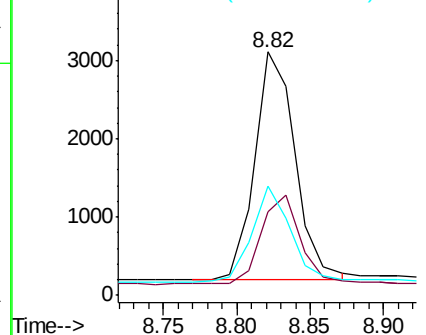


Abundance

Ion 82.00 (81.70 to 82.70): BN007977.D (-714) (-)

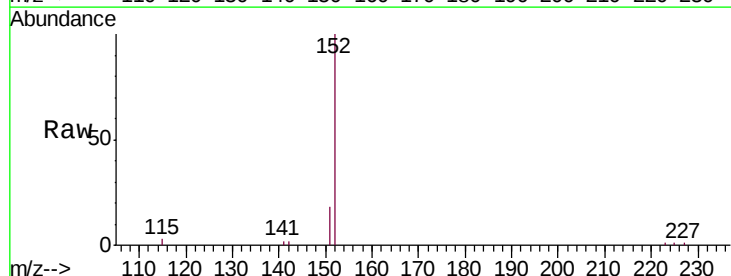
Ion 128.00 (127.70 to 128.70): BN007977.D (-714) (-)

Ion 54.00 (53.70 to 54.70): BN007977.D (-714) (-)



#11
 2-Methylnaphthalene-d10
 Concen: 0.258 ng
 RT: 12.05 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BN007977.D
 Acq: 02 Oct 2019 22:05

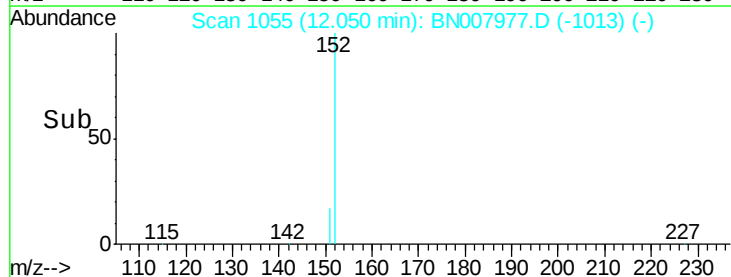
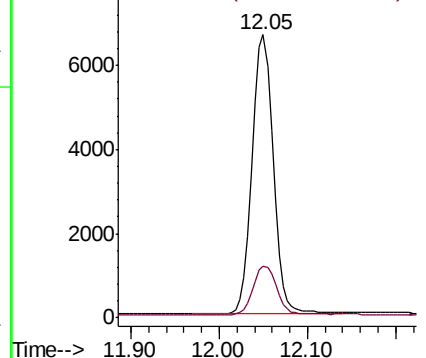
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2

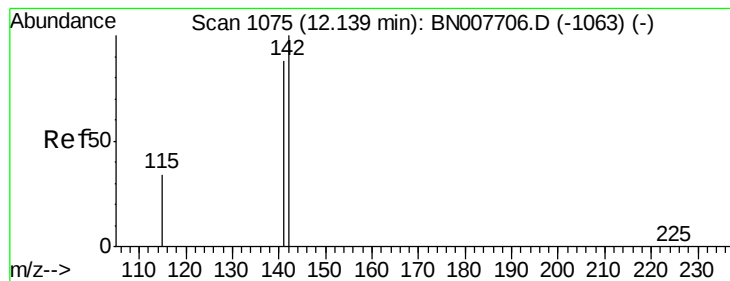


Abundance

Ion 152.00 (151.70 to 152.70): BN007977.D (-1013) (-)

Ion 151.00 (150.70 to 151.70): BN007977.D (-1013) (-)





#12

2-Methylnaphthalene

Concen: 0.022 ng

RT: 12.13 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BN007977.D

Acq: 02 Oct 2019 22:05

Instrument :

BNA_N

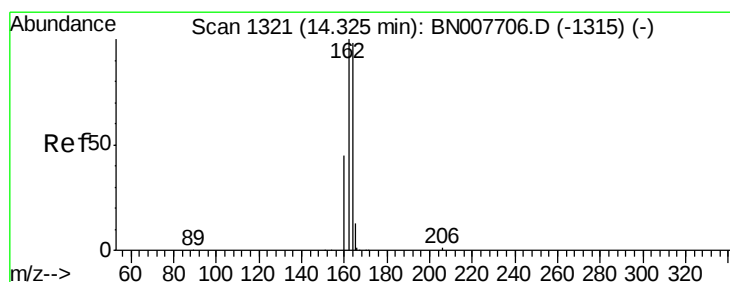
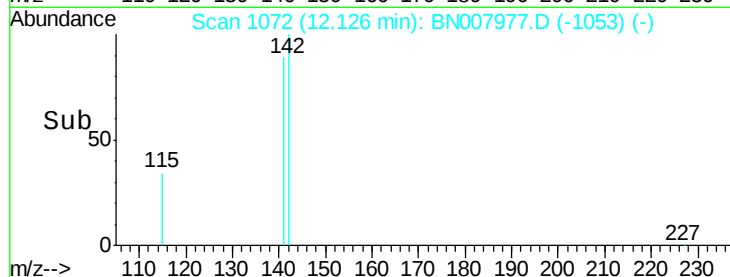
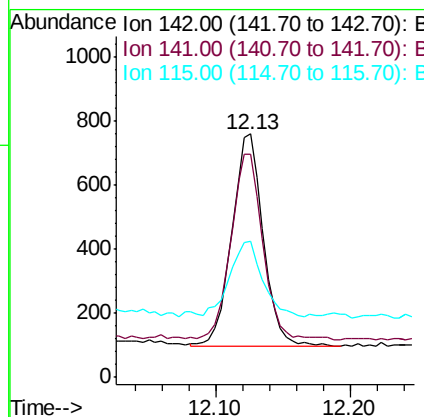
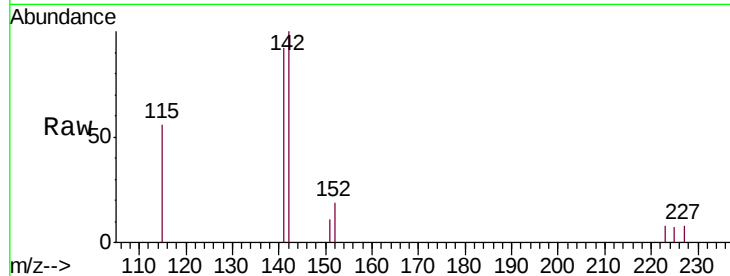
ClientSampleId :

PST-024-B273-092519

Tgt Ion:	142	Resp:	1062
Ion Ratio	Lower	Upper	
142	100		
141	91.7	70.6	106.0
115	56.0	28.3	42.5#

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#13

Acenaphthene-d10

Concen: 0.400 ng

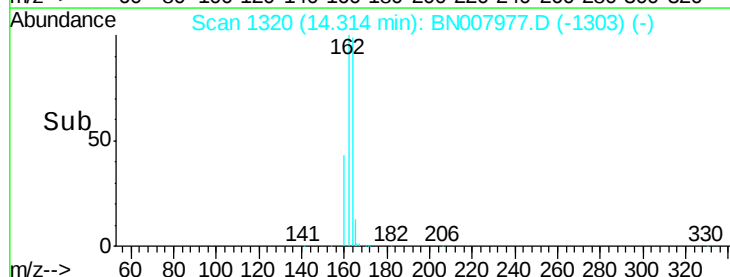
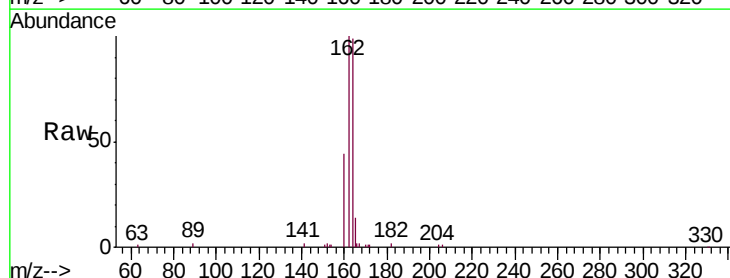
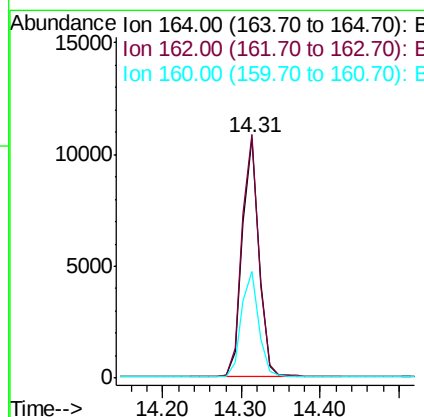
RT: 14.31 min Scan# 1320

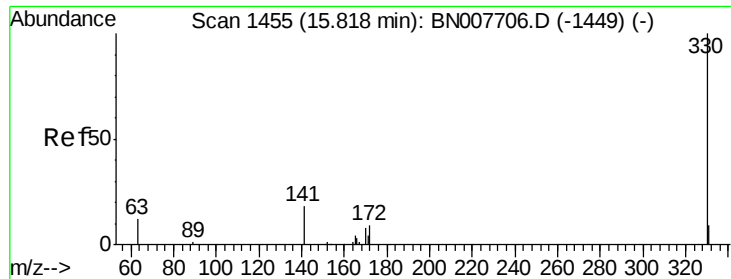
Delta R.T. -0.01 min

Lab File: BN007977.D

Acq: 02 Oct 2019 22:05

Tgt Ion:	164	Resp:	15775
Ion Ratio	Lower	Upper	
164	100		
162	101.4	81.7	122.5
160	44.5	37.0	55.4





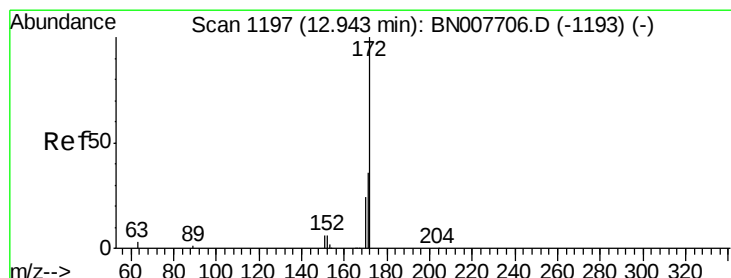
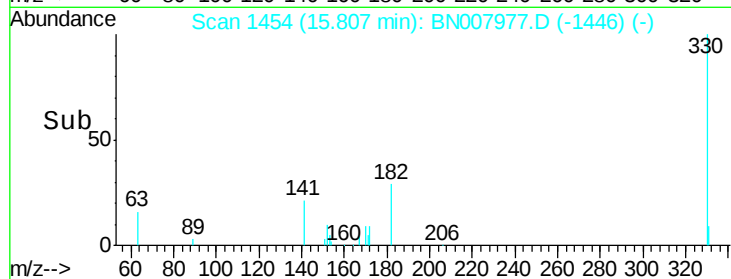
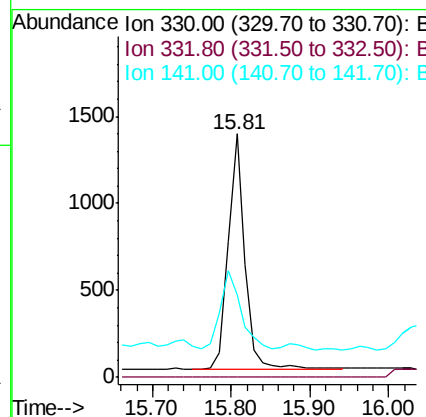
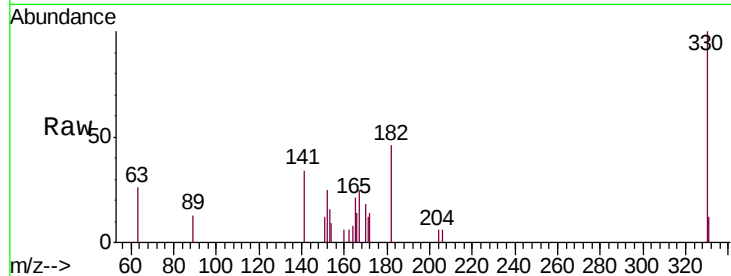
#14
 2,4,6-Tribromophenol
 Concen: 0.237 ng
 RT: 15.81 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BN007977.D
 Acq: 02 Oct 2019 22:05

Instrument :
 BNA_N
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 PST-024-B273-092519

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.3	28.7	43.1

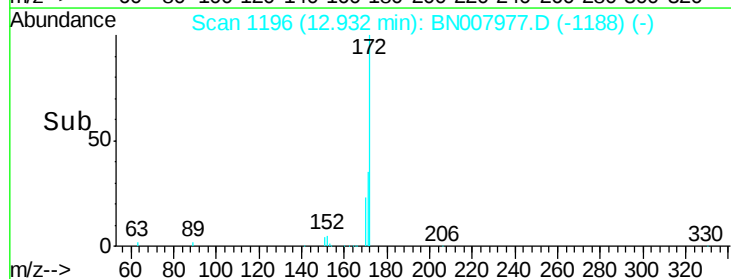
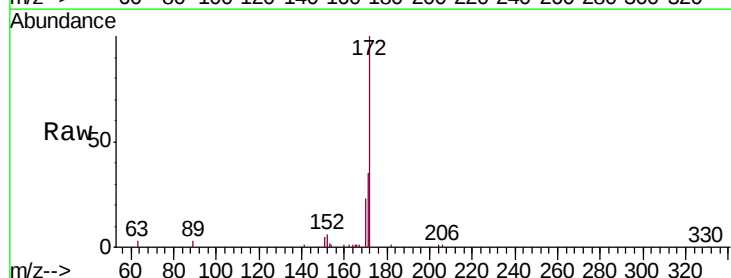
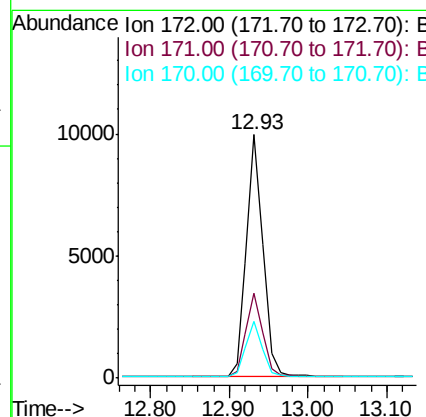
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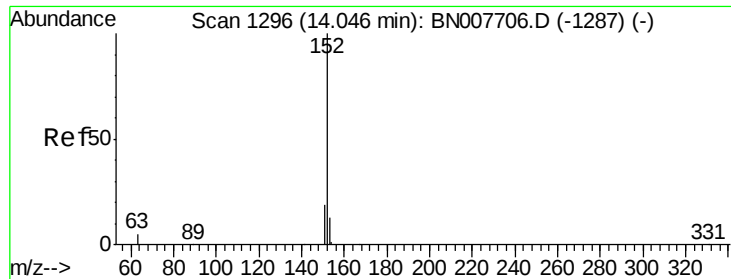
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#15
 2-Fluorobiphenyl
 Concen: 0.225 ng
 RT: 12.93 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BN007977.D
 Acq: 02 Oct 2019 22:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.8	43.2
170	23.1	19.5	29.3





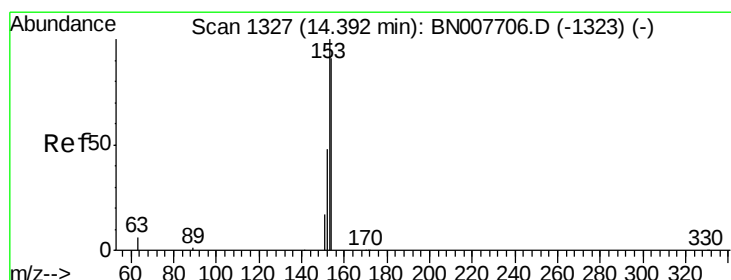
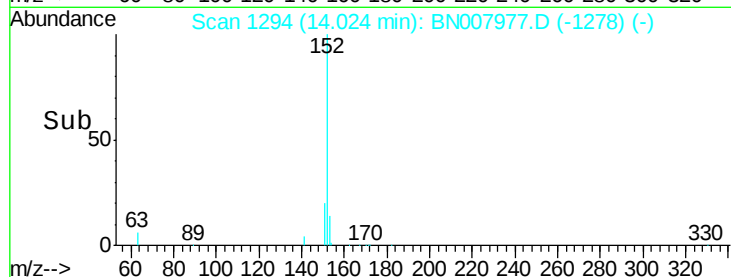
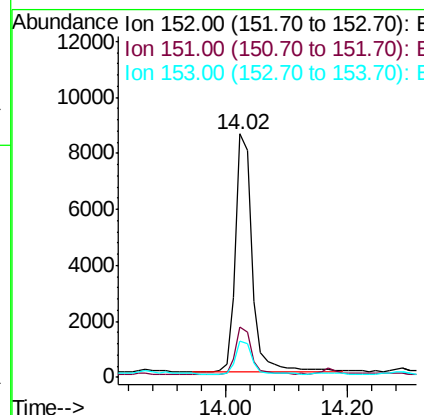
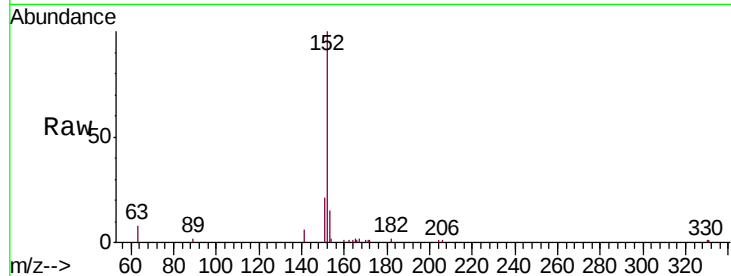
#16
Acenaphthylene
Concen: 0.195 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007977.D
Acq: 02 Oct 2019 22:05

Instrument :
BNA_N
ClientSampleId :
PST-024-B273-092519

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3
153	13.6	10.4	15.6

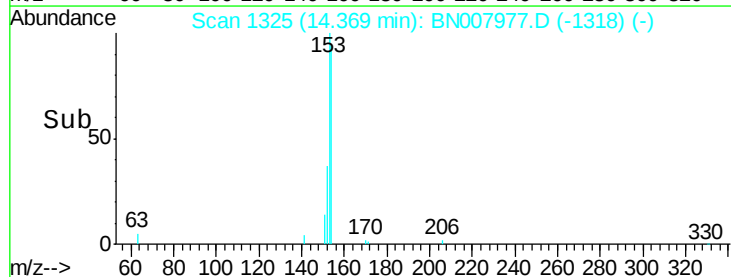
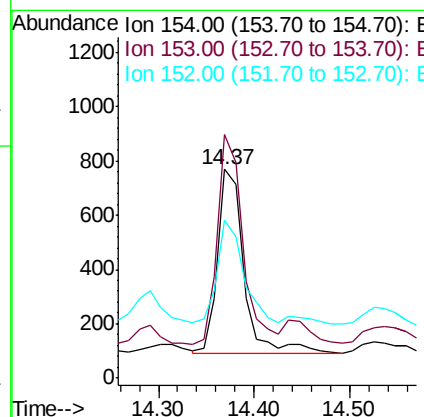
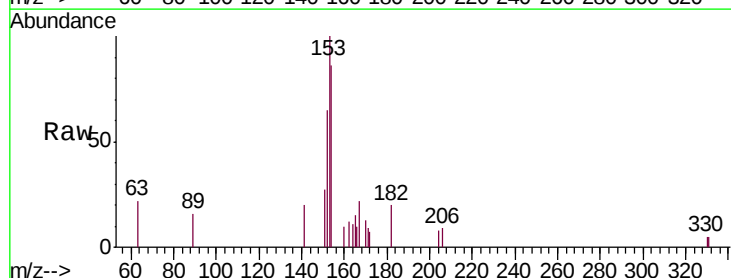
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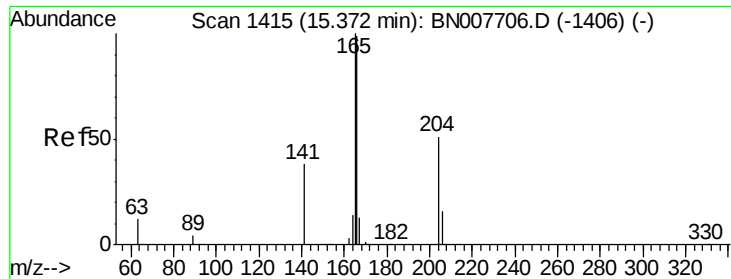
mohammad
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#17
Acenaphthene
Concen: 0.024 ng
RT: 14.37 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN007977.D
Acq: 02 Oct 2019 22:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.3	87.0	130.4
152	53.7	42.7	64.1





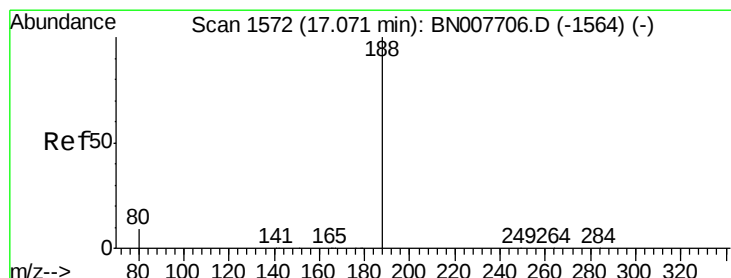
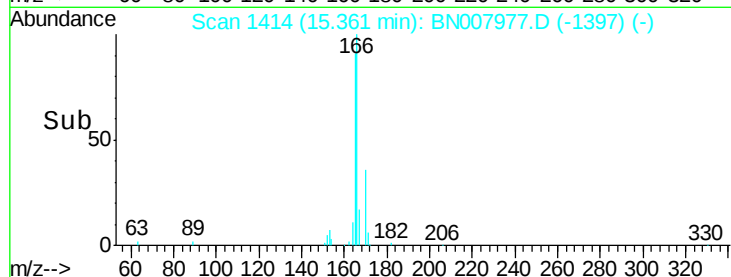
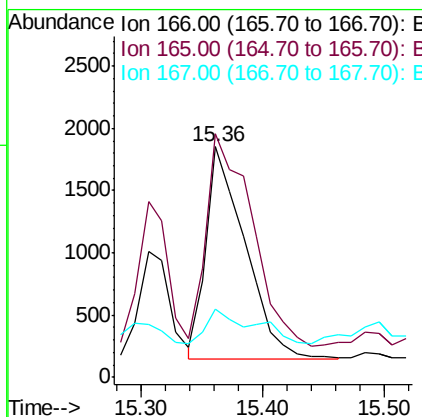
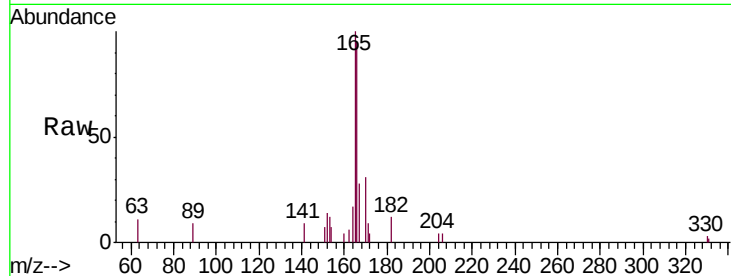
#18
 Fluorene
 Concen: 0.055 ng
 RT: 15.36 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: BN007977.D
 Acq: 02 Oct 2019 22:05

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B273-092519

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	3805		
165	117.5	78.0	117.0#	
167	19.3	10.9	16.3#	

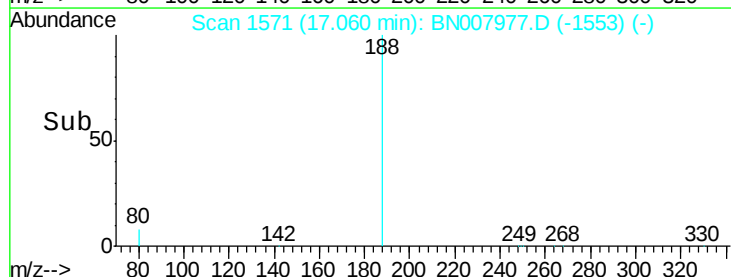
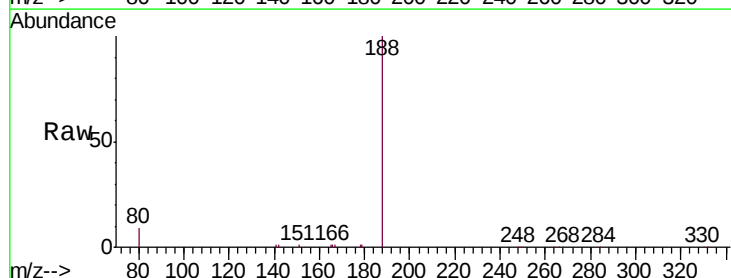
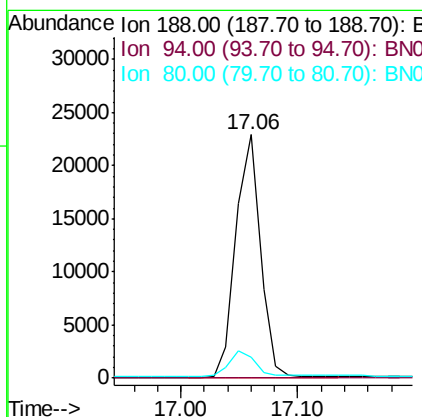
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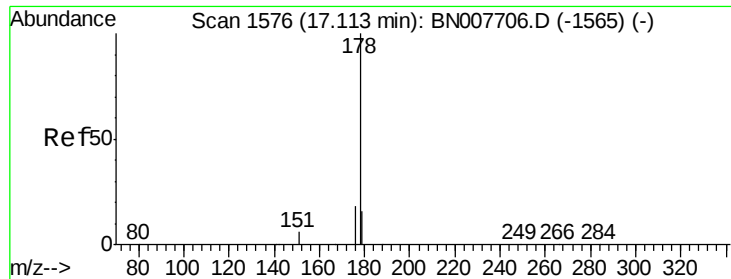
mohammad
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#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.06 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BN007977.D
 Acq: 02 Oct 2019 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	33093		
94	0.0	0.0	0.0	
80	8.6	7.4	11.2	





#23

Phenanthrene

Concen: 0.663 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN007977.D

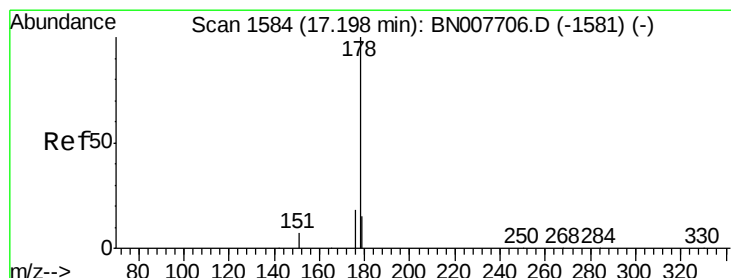
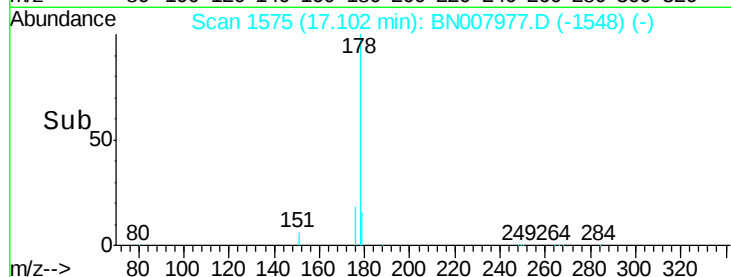
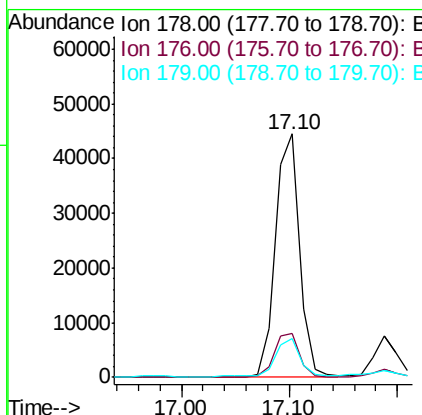
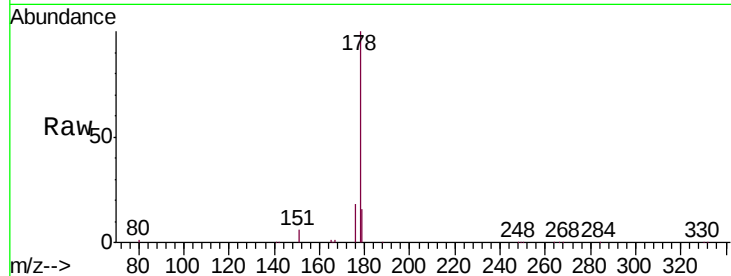
Acq: 02 Oct 2019 22:05

Instrument :
BNA_N
ClientSampleId :
PST-024-B273-092519

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.6	12.5	18.7

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#24

Anthracene

Concen: 0.107 ng

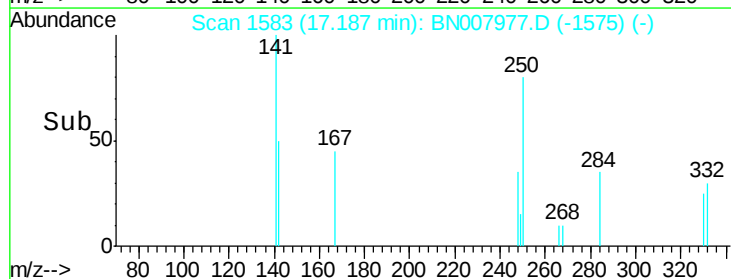
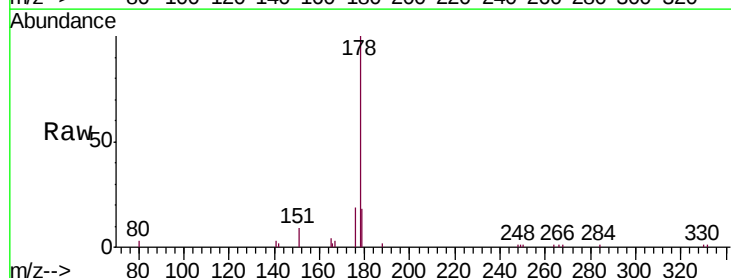
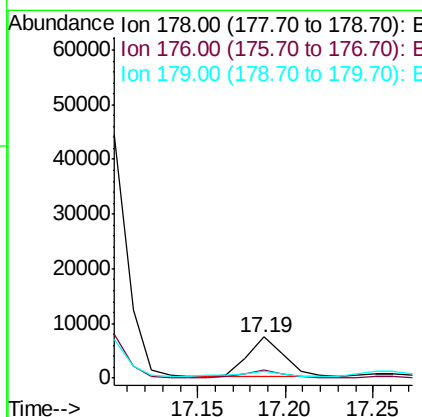
RT: 17.19 min Scan# 1583

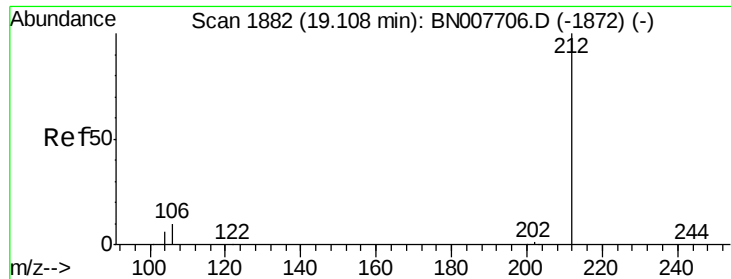
Delta R.T. -0.01 min

Lab File: BN007977.D

Acq: 02 Oct 2019 22:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	17.3	12.2	18.4





#25

Fluoranthene-d10

Concen: 0.234 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN007977.D

Acq: 02 Oct 2019 22:05

Instrument :

BNA_N

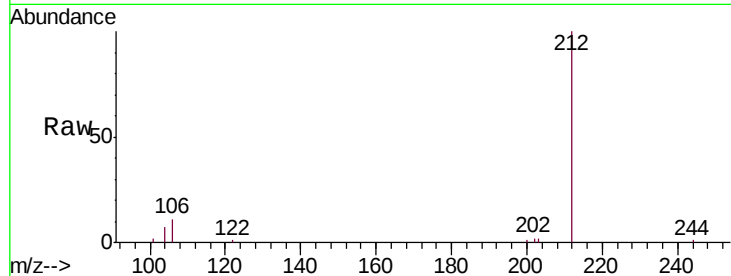
ClientSampleId :

PST-024-B273-092519

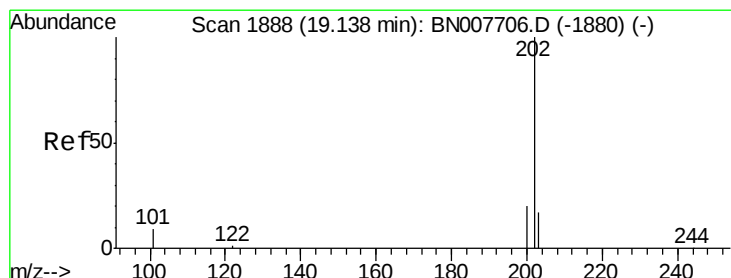
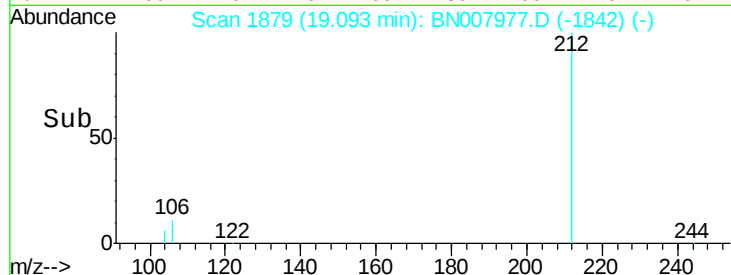
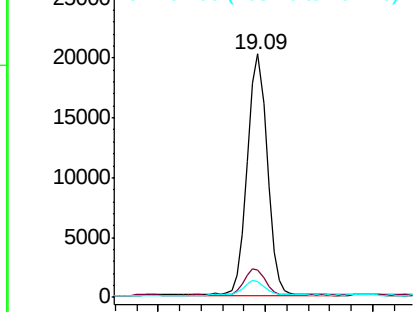
Tgt Ion:	212	Resp:	26094
Ion Ratio	Lower	Upper	
212	100		
106	11.4	9.4	14.0
104	6.7	5.3	7.9

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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: 0.893 ng

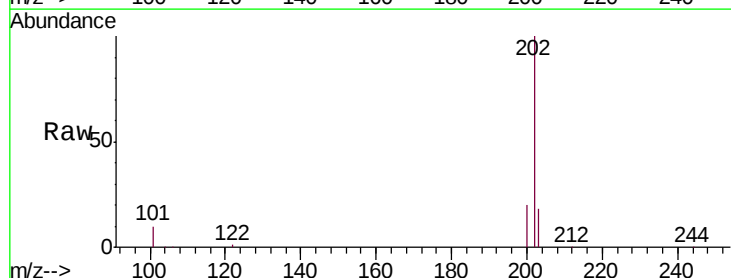
RT: 19.12 min Scan# 1885

Delta R.T. -0.02 min

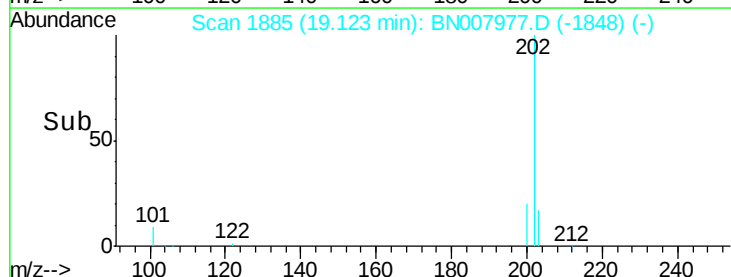
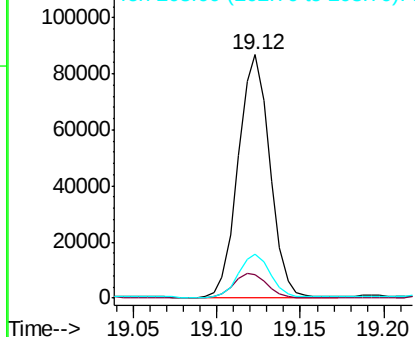
Lab File: BN007977.D

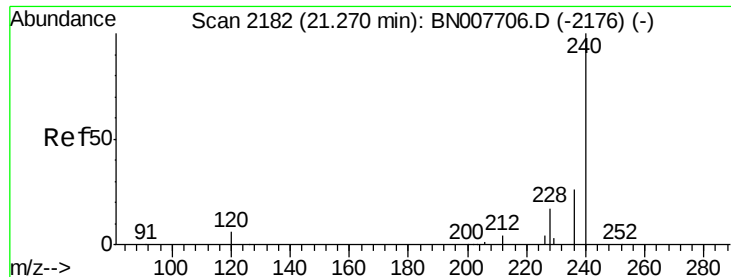
Acq: 02 Oct 2019 22:05

Tgt Ion:	202	Resp:	114502
Ion Ratio	Lower	Upper	
202	100		
101	10.3	8.4	12.6
203	17.8	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





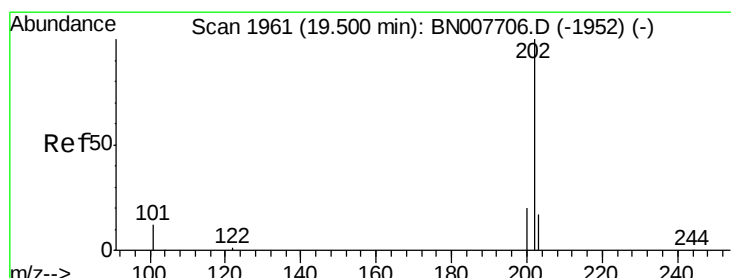
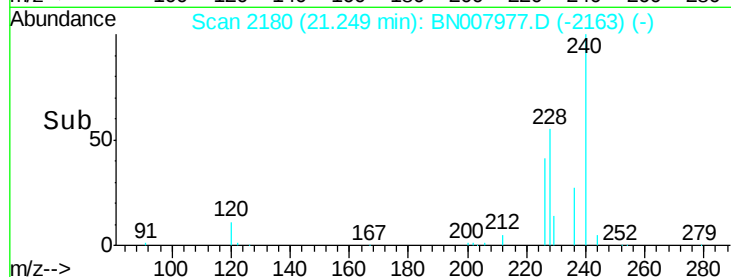
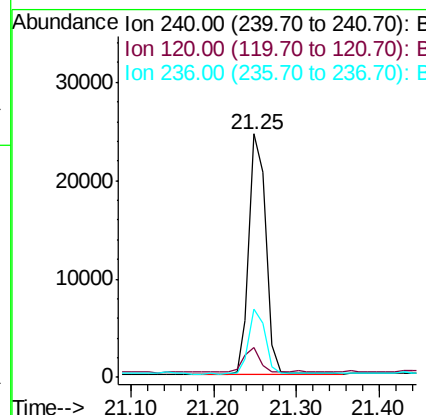
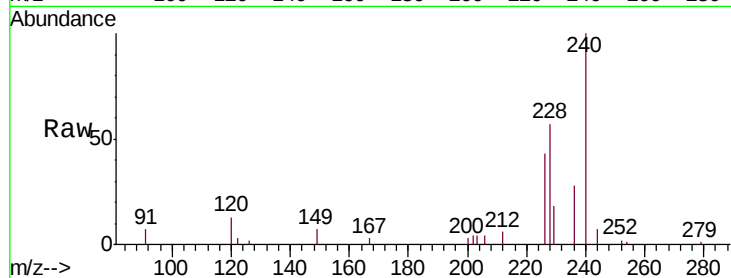
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2180
Delta R.T. -0.02 min
Lab File: BN007977.D
Acq: 02 Oct 2019 22:05

Instrument :
BNA_N
ClientSampleId :
PST-024-B273-092519

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.5	5.4	8.2#
236	28.1	21.0	31.4

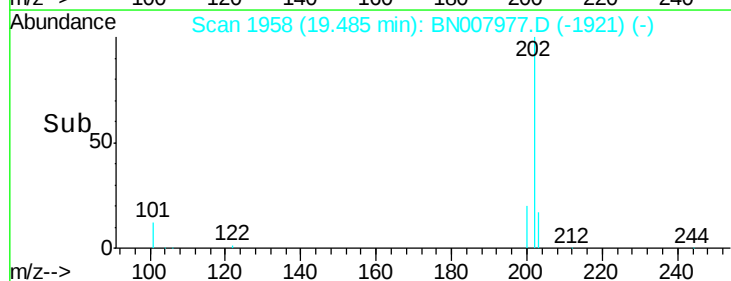
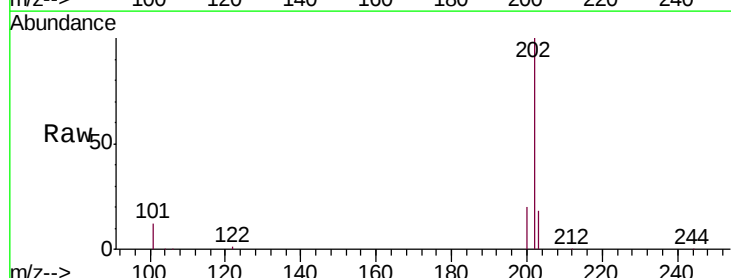
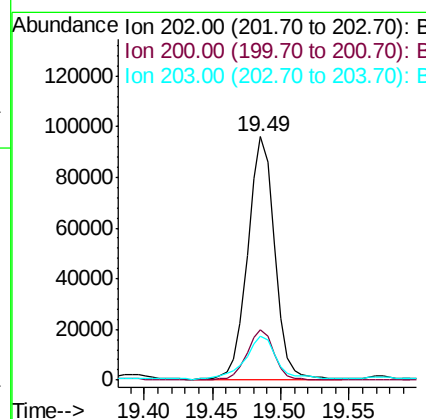
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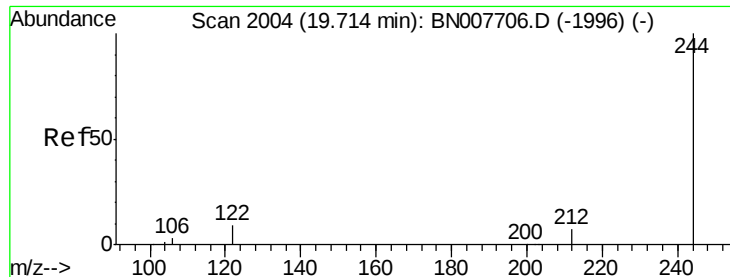
mohammad
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#28
Pyrene
Concen: 1.090 ng
RT: 19.49 min Scan# 1958
Delta R.T. -0.02 min
Lab File: BN007977.D
Acq: 02 Oct 2019 22:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.4	24.6
203	20.6	14.1	21.1





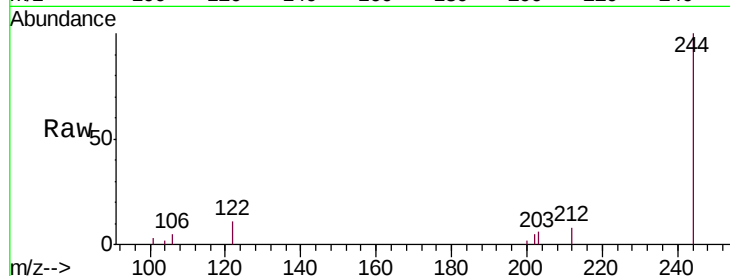
#29
 Terphenyl-d14
 Concen: 0.249 ng
 RT: 19.69 min Scan# 2000
 Delta R.T. -0.02 min
 Lab File: BN007977.D
 Acq: 02 Oct 2019 22:05

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B273-092519

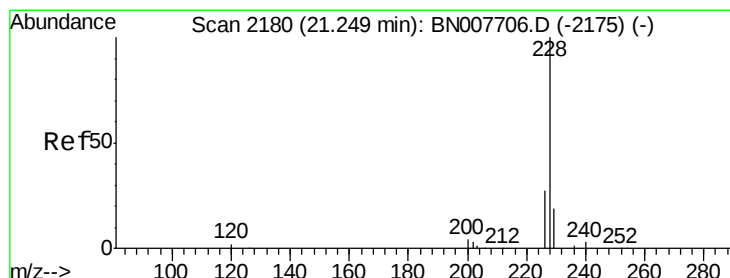
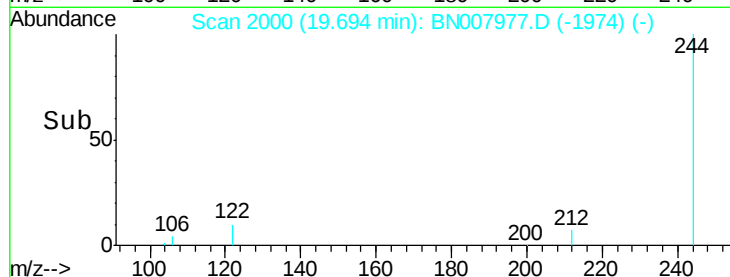
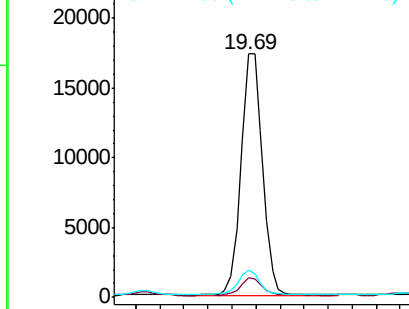
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.9	8.9
122	11.2	7.4	11.2

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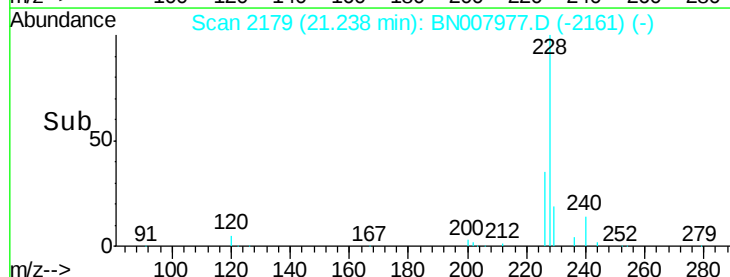
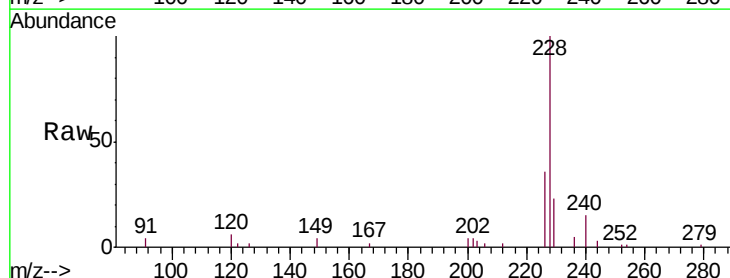
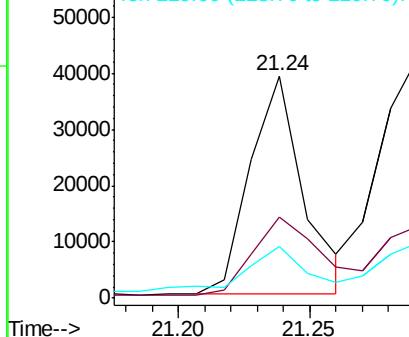
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

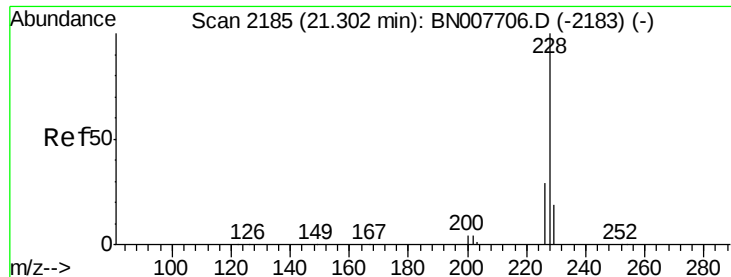


#30
 Benzo(a)anthracene
 Concen: 0.424 ng m
 RT: 21.24 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BN007977.D
 Acq: 02 Oct 2019 22:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.5	22.1	33.1
229	23.3	15.8	23.6

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





#31

Chrysene

Concen: 0.502 ng

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN007977.D

Acq: 02 Oct 2019 22:05

Instrument :

BNA_N

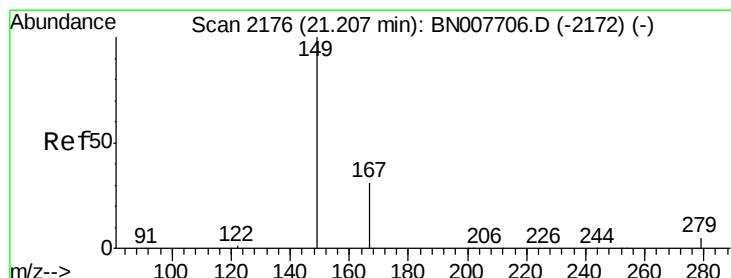
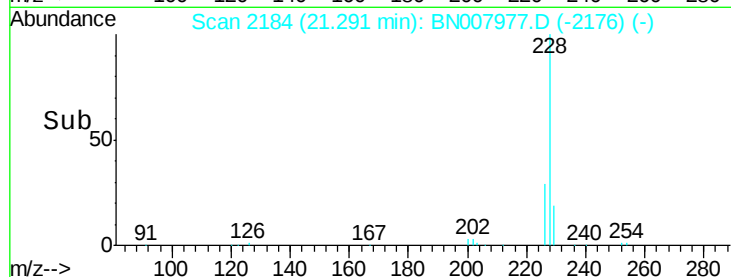
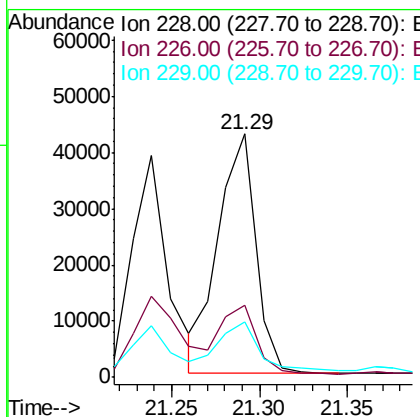
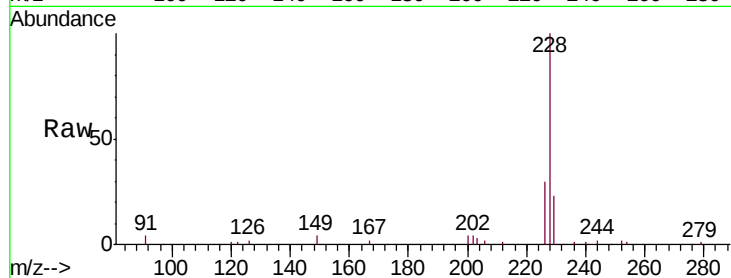
ClientSampleId :

PST-024-B273-092519

Tgt Ion:	228	Resp:	63122
Ion Ratio	Lower	Upper	
228	100		
226	29.6	23.9	35.9
229	23.0	15.8	23.6

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.071 ng

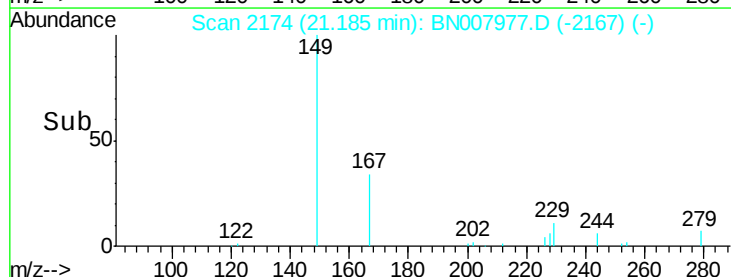
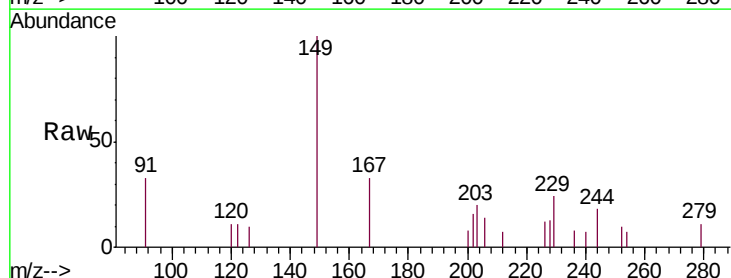
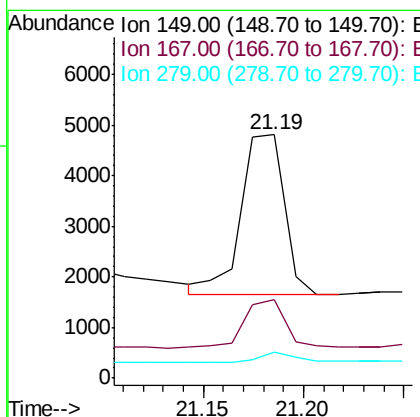
RT: 21.19 min Scan# 2174

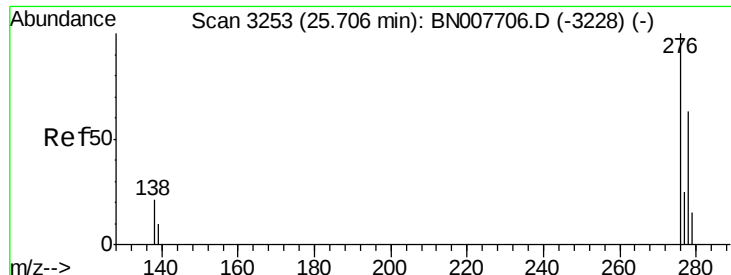
Delta R.T. -0.02 min

Lab File: BN007977.D

Acq: 02 Oct 2019 22:05

Tgt Ion:	149	Resp:	4684
Ion Ratio	Lower	Upper	
149	100		
167	29.4	23.7	35.5
279	7.3	4.2	6.2#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.212 ng

RT: 25.67 min Scan# 3243

Delta R.T. -0.03 min

Lab File: BN007977.D

Acq: 02 Oct 2019 22:05

Instrument :

BNA_N

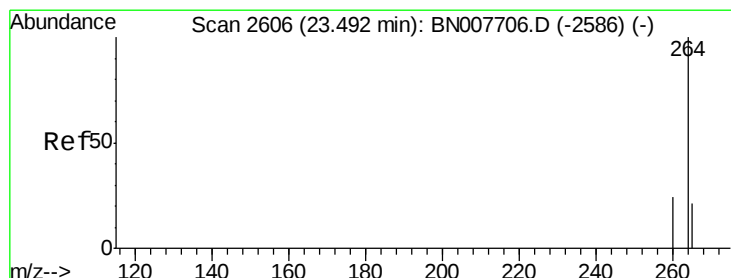
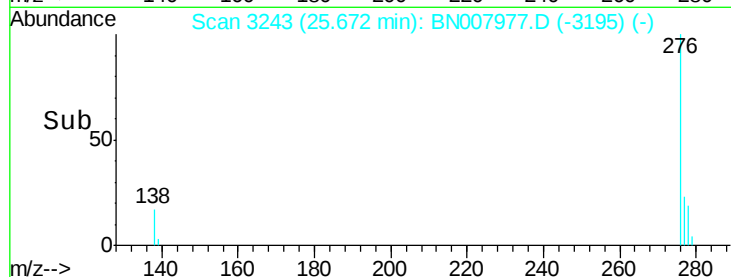
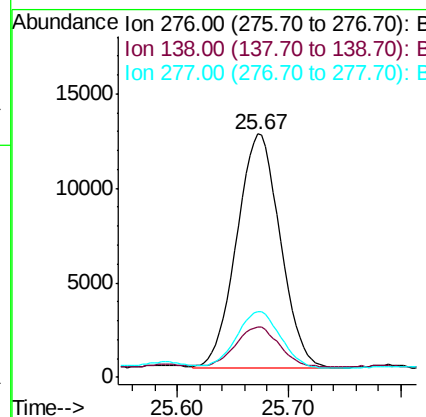
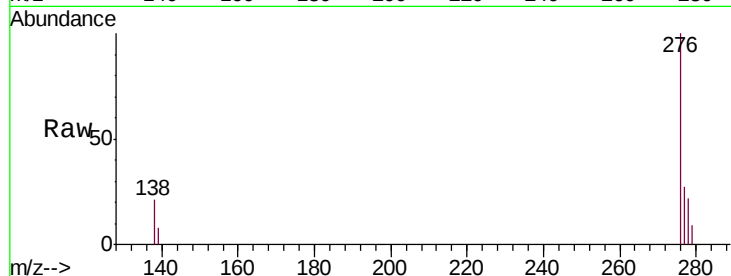
ClientSampleId :

PST-024-B273-092519

Tgt Ion:	276	Resp:	33369
Ion Ratio	Lower	Upper	
276	100		
138	17.1	17.1	25.7#
277	24.9	20.0	30.0

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#34

Perylene-d12

Concen: 0.400 ng

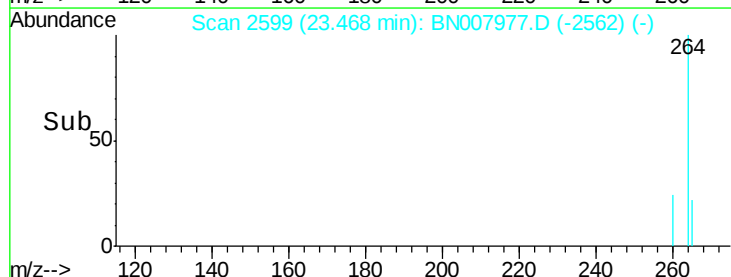
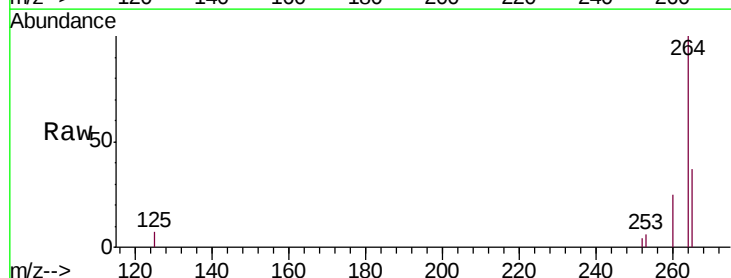
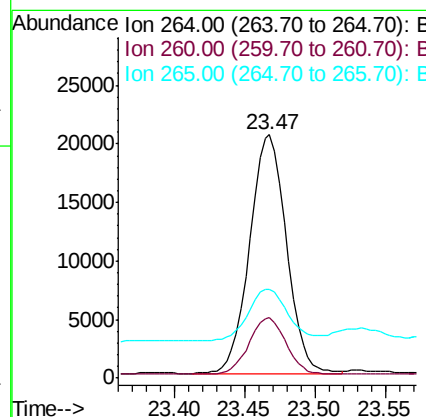
RT: 23.47 min Scan# 2599

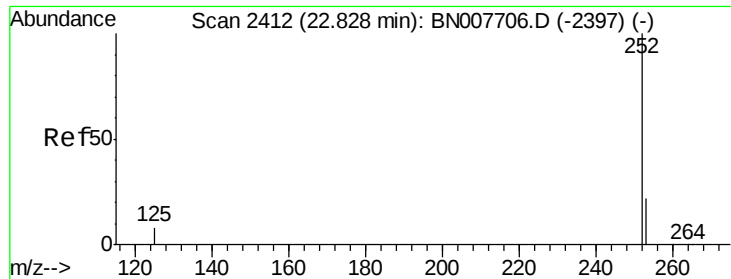
Delta R.T. -0.02 min

Lab File: BN007977.D

Acq: 02 Oct 2019 22:05

Tgt Ion:	264	Resp:	37061
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.3	28.9
265	36.7	26.9	40.3





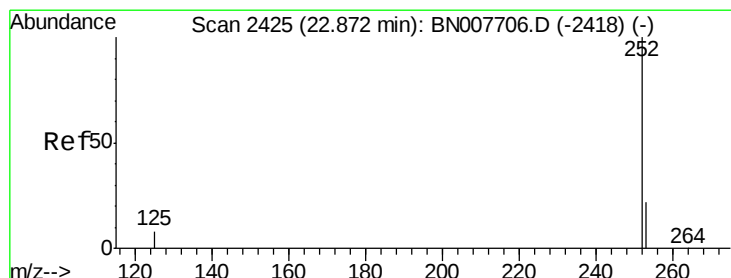
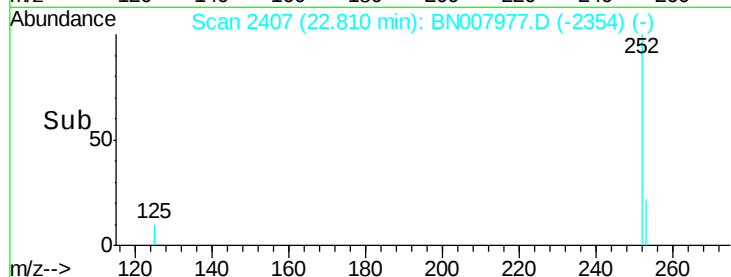
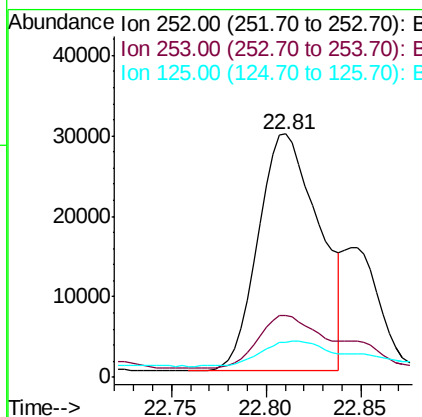
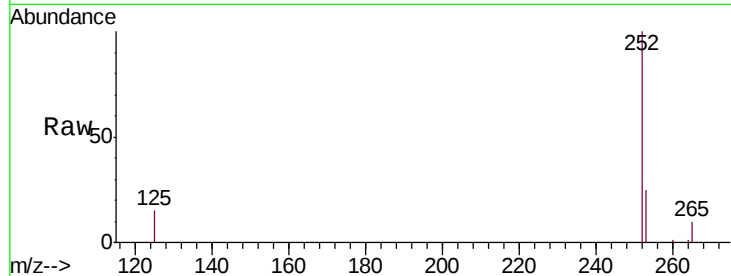
#35
Benzo(b)fluoranthene
Concen: 0.512 ng
RT: 22.81 min Scan# 2407
Delta R.T. -0.02 min
Lab File: BN007977.D
Acq: 02 Oct 2019 22:05

Instrument :
BNA_N
ClientSampleId :
PST-024-B273-092519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.3	27.5
125	14.6	8.2	12.4

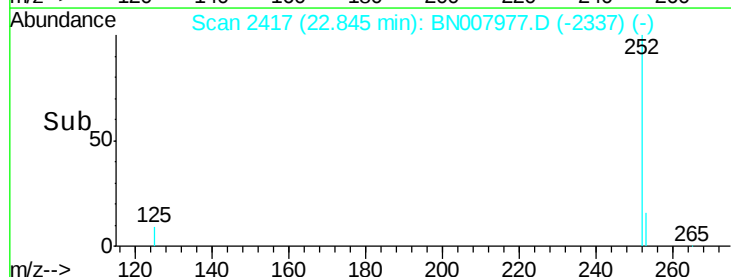
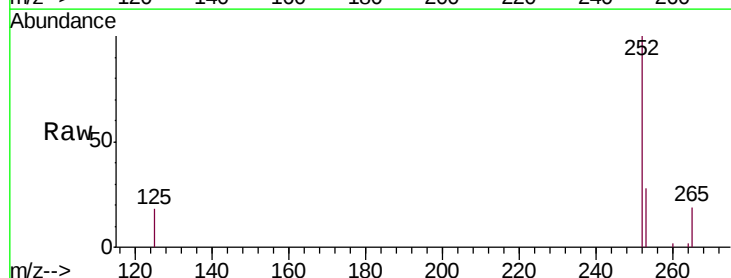
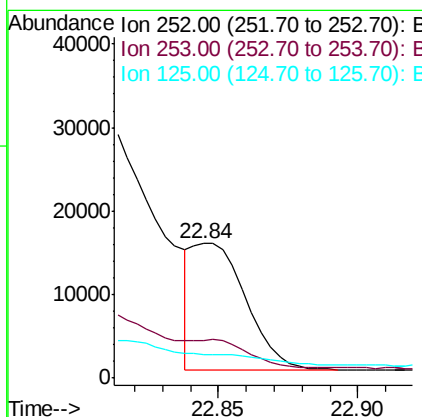
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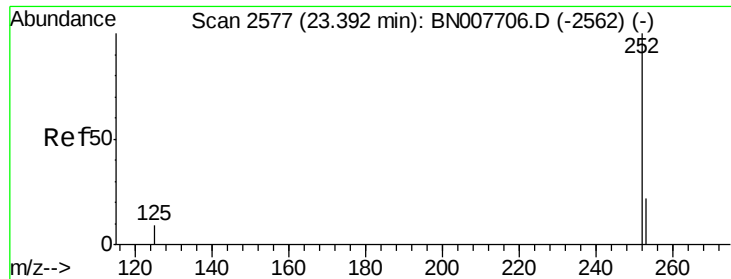
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#36
Benzo(k)fluoranthene
Concen: 0.159 ng m
RT: 22.84 min Scan# 2417
Delta R.T. -0.03 min
Lab File: BN007977.D
Acq: 02 Oct 2019 22:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	18.5	27.7
125	17.6	8.4	12.6





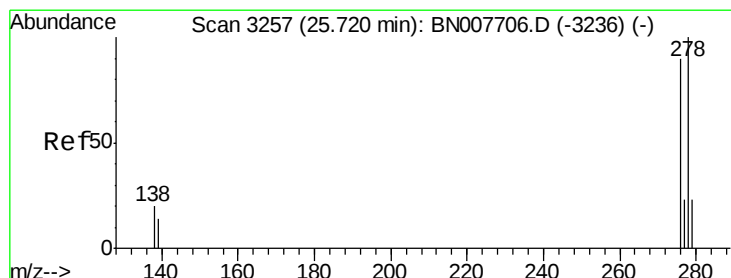
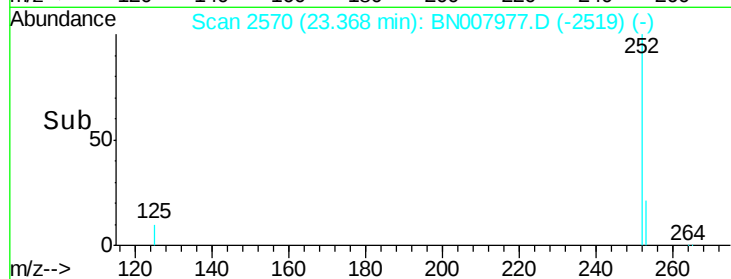
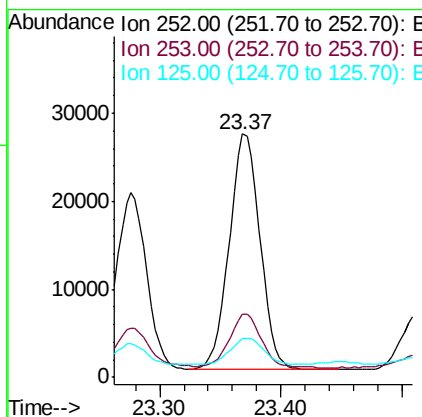
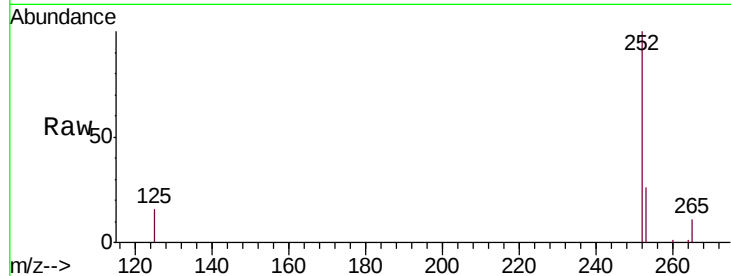
#37
Benzo(a)pyrene
Concen: 0.391 ng
RT: 23.37 min Scan# 2570
Delta R.T. -0.02 min
Lab File: BN007977.D
Acq: 02 Oct 2019 22:05

Instrument :
BNA_N
ClientSampleId :
PST-024-B273-092519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.6	27.8
125	15.8	9.4	14.0#

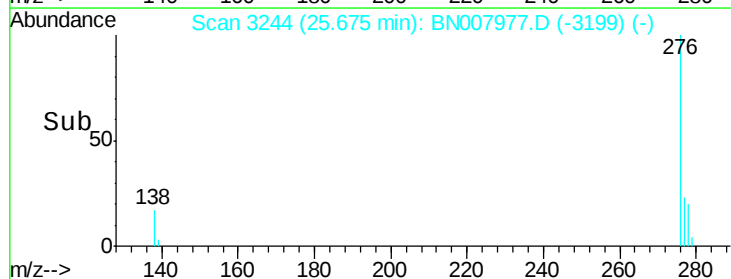
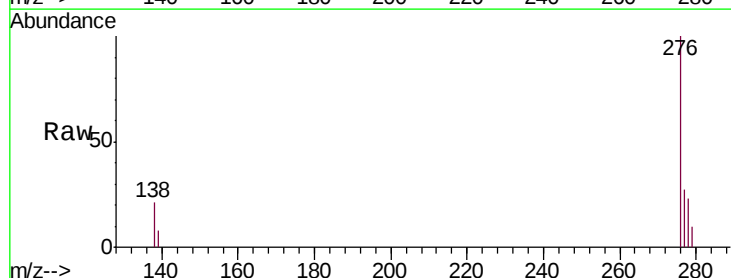
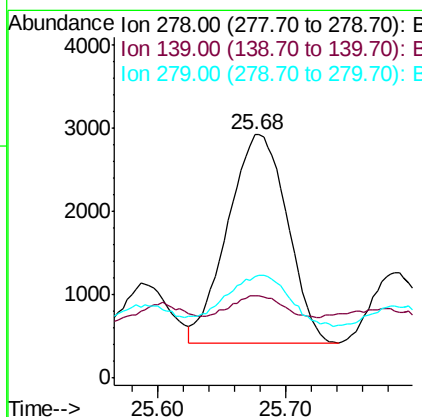
Manual Integrations
APPROVED

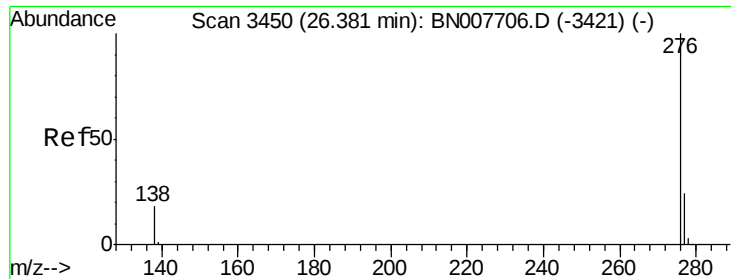
mohammad
10/4/2019 8:16:50 AM



#38
Dibenzo(a,h)anthracene
Concen: 0.065 ng
RT: 25.68 min Scan# 3244
Delta R.T. -0.04 min
Lab File: BN007977.D
Acq: 02 Oct 2019 22:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.8	11.8	17.6#
279	41.8	19.4	29.2#





#39

Benzo(g,h,i)perylene

Concen: 0.294 ng

RT: 26.35 min Scan# 3440

Delta R.T. -0.03 min

Lab File: BN007977.D

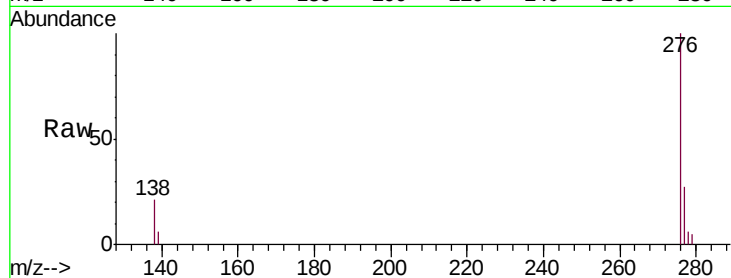
Acq: 02 Oct 2019 22:05

Instrument :

BNA_N

ClientSampleId :

PST-024-B273-092519



Tgt	Ion	Ratio	Lower	Upper
276	100			
277	26.7	19.8	29.8	
138	21.1	15.1	22.7	

Manual Integrations
APPROVED

mohammad
10/4/2019 8:16:50 AM

