

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
 Data File : BN006722.D
 Acq On : 05 Jul 2019 18:51
 Operator : HP/JU
 Sample : K3558-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-B235-062619

Manual Integrations
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 7/8/2019 2:16:10 PM

Quant Time: Jul 05 23:34:04 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jul 05 05:30:28 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2560	0.40	ng	-0.02
7) Naphthalene-d8	10.38	136	10054	0.40	ng	-0.01
13) Acenaphthene-d10	14.24	164	6225	0.40	ng	-0.02
19) Phenanthrene-d10	17.00	188	14644	0.40	ng	-0.02
27) Chrysene-d12	21.23	240	15184	0.40	ng	-0.03
34) Perylene-d12	23.45	264	17804	0.40	ng	-0.06

System Monitoring Compounds

4) 2-Fluorophenol	5.23	112	1588	0.23	ng	0.00
5) Phenol-d6	6.83	99	2016	0.23	ng	0.00
8) Nitrobenzene-d5	8.81	82	1431	0.19	ng	0.01
11) 2-Methylnaphthalene-d10	11.98	152	3302	0.22	ng	-0.02
14) 2,4,6-Tribromophenol	15.77	330	714	0.23	ng	-0.02
15) 2-Fluorobiphenyl	12.86	172	4284	0.18	ng	-0.02
25) Fluoranthene-d10	19.05	212	6550	0.16	ng	-0.02
29) Terphenyl-d14	19.65	244	4438	0.13	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.42	128	2456	0.089	ng	# 85
12) 2-Methylnaphthalene	12.05	142	1395	0.030	ng	# 91
16) Acenaphthylene	13.96	152	3019	0.097	ng	98
18) Fluorene	15.31	166	673	0.027	ng	# 91
23) Phenanthrene	17.05	178	17404	0.412	ng	99
24) Anthracene	17.15	178	3464	0.091	ng	# 95
26) Fluoranthene	19.08	202	30908	0.624	ng	98
28) Pyrene	19.44	202	48735	0.802	ng	97
30) Benzo(a)anthracene	21.20	228	19204	0.367	ng	94
31) Chrysene	21.26	228	20473	0.379	ng	96
33) Indeno(1,2,3-cd)pyrene	25.67	276	12863	0.199	ng	# 94
35) Benzo(b)fluoranthene	22.79	252	22568	0.395	ng	99
36) Benzo(k)fluoranthene	22.83	252	7763m	0.125	ng	
37) Benzo(a)pyrene	23.35	252	19763	0.357	ng	97
38) Dibenzo(a,h)anthracene	25.67	278	3360	0.061	ng	# 66
39) Benzo(g,h,i)perylene	26.35	276	15311	0.270	ng	98

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

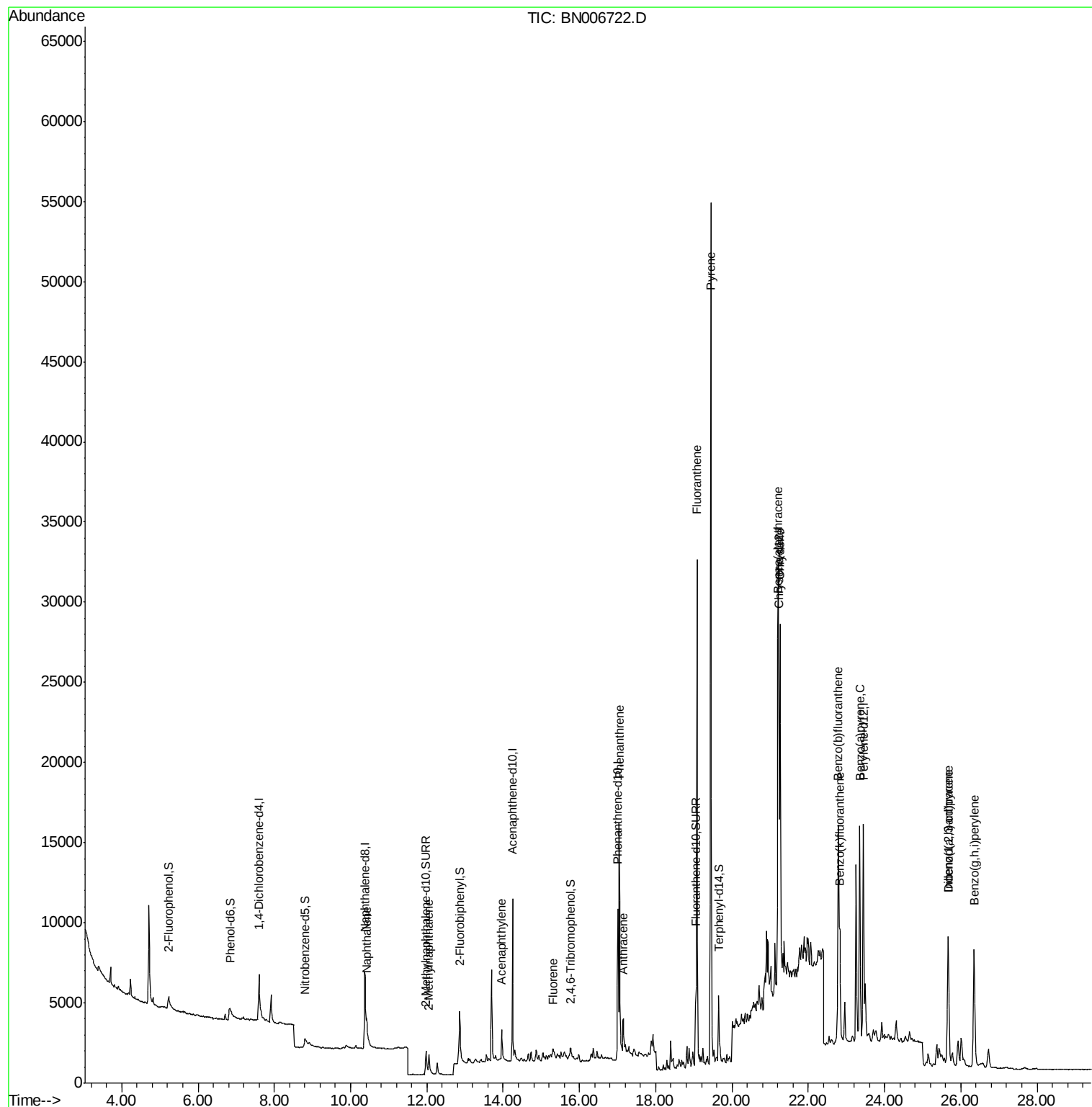
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
Data File : BN006722.D
Acq On : 05 Jul 2019 18:51
Operator : HP/JU
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Misc :
ALS Vial : 12 Sample Multiplier: 1

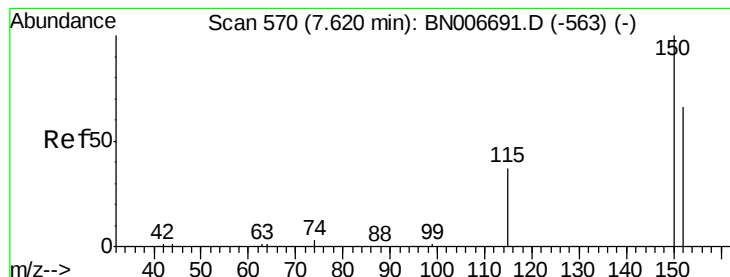
Instrument :
BNA_N
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PST-016-B235-062619

Manual Integrations
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M
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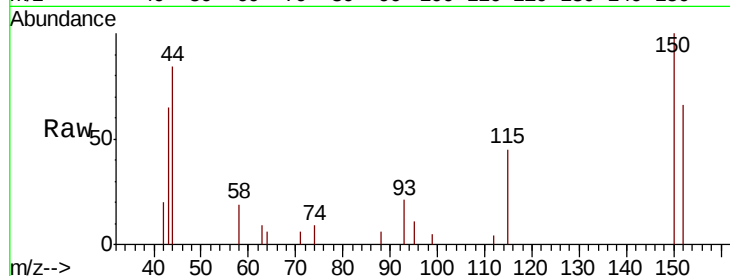
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.60 min Scan# 567
 Delta R.T. -0.02 min
 Lab File: BN006722.D
 Acq: 05 Jul 2019 18:51

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-B235-062619

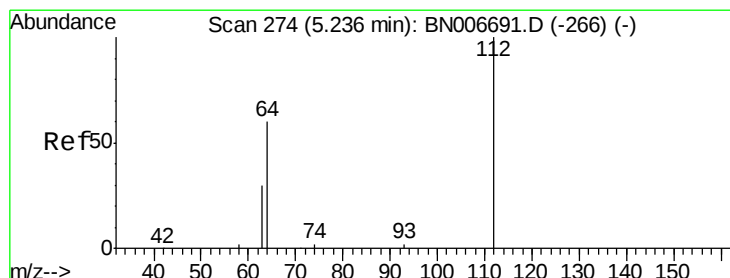
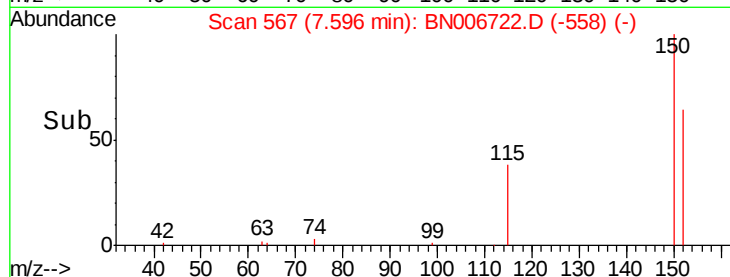
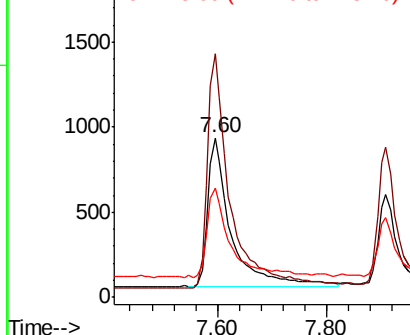
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	120.6	181.0
115	68.4	51.0	76.6

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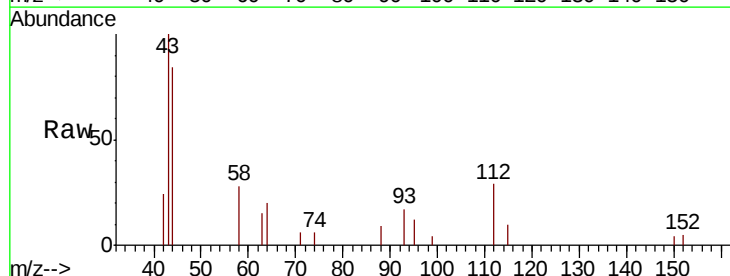


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

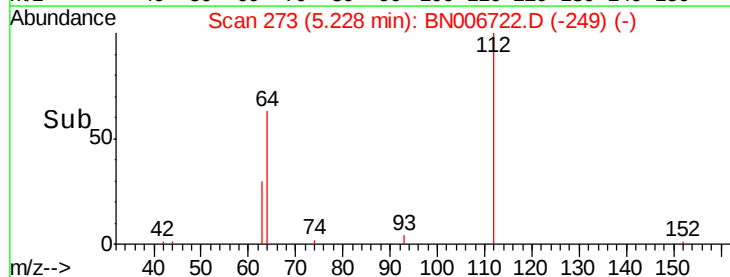
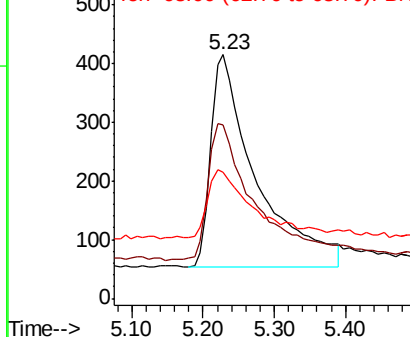


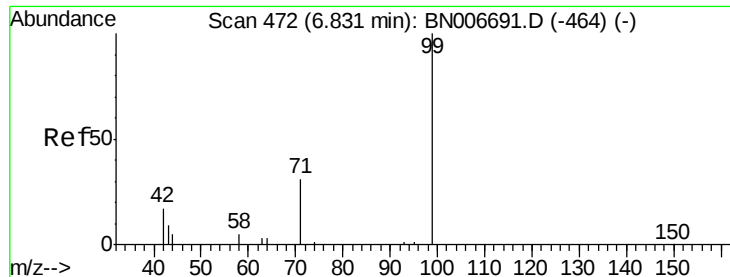
#4
 2-Fluorophenol
 Concen: 0.228 ng
 RT: 5.23 min Scan# 273
 Delta R.T. -0.01 min
 Lab File: BN006722.D
 Acq: 05 Jul 2019 18:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	49.8	74.6
63	31.0	25.8	38.6



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: 0.229 ng

RT: 6.83 min Scan# 472

Delta R.T. 0.00 min

Lab File: BN006722.D

Acq: 05 Jul 2019 18:51

Instrument :

BNA_N

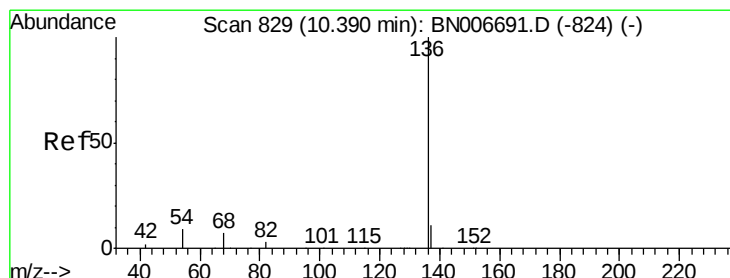
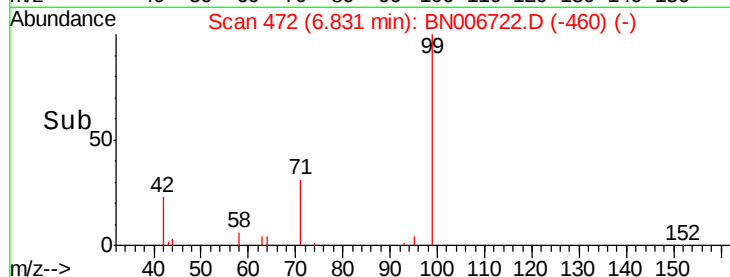
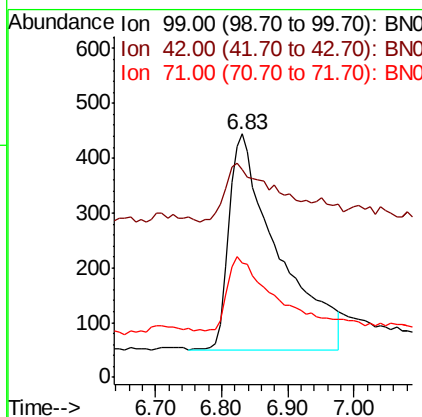
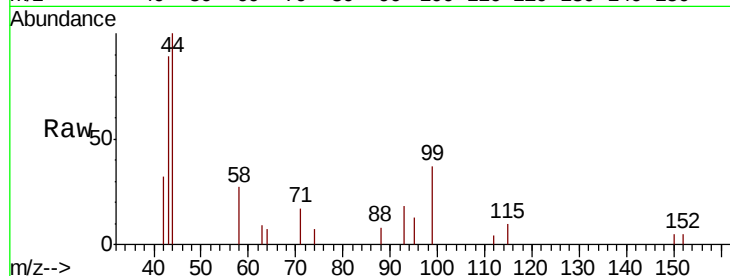
ClientSampleId :

PST-016-B235-062619

Tot Ion:	99	Resp:	2016
Ion	Ratio	Lower	Upper
99	100		
42	27.9	16.6	25.0#
71	32.5	26.0	39.0

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#7

Naphthalene-d8

Concen: 0.400 ng

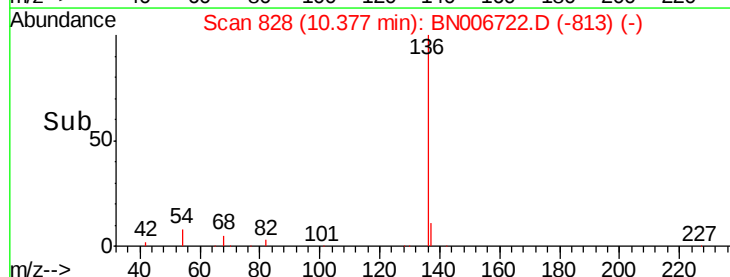
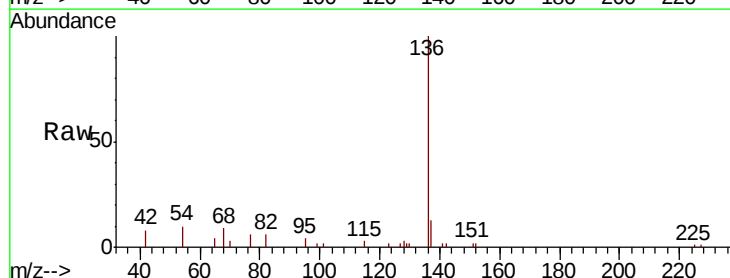
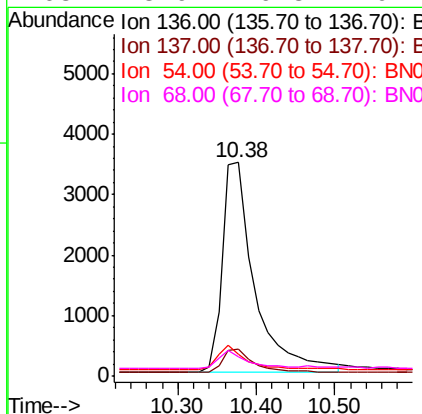
RT: 10.38 min Scan# 828

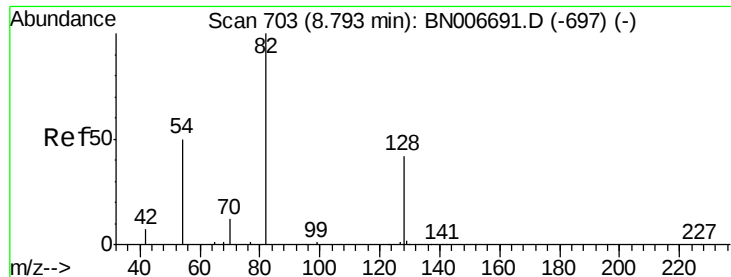
Delta R.T. -0.01 min

Lab File: BN006722.D

Acq: 05 Jul 2019 18:51

Tgt Ion:	136	Resp:	10054
Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.3	13.9
54	10.3	8.4	12.6
68	8.9	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.186 ng

RT: 8.81 min Scan# 704

Delta R.T. 0.01 min

Lab File: BN006722.D

Acq: 05 Jul 2019 18:51

Instrument :

BNA_N

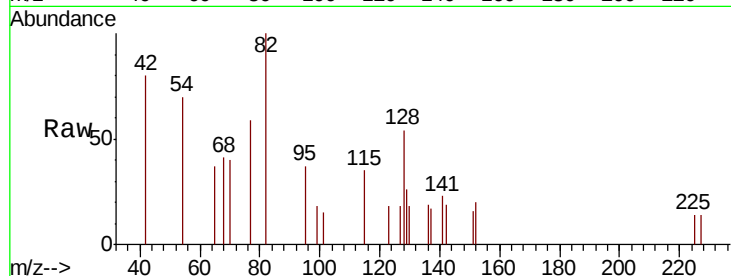
ClientSampleId :

PST-016-B235-062619

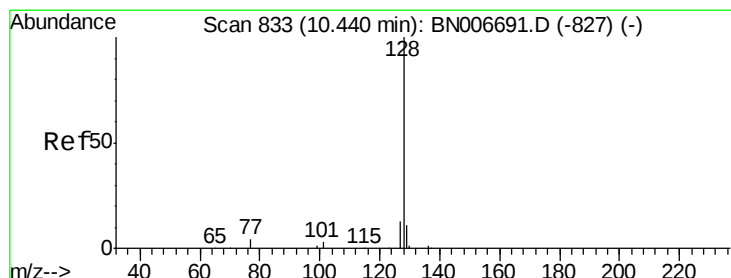
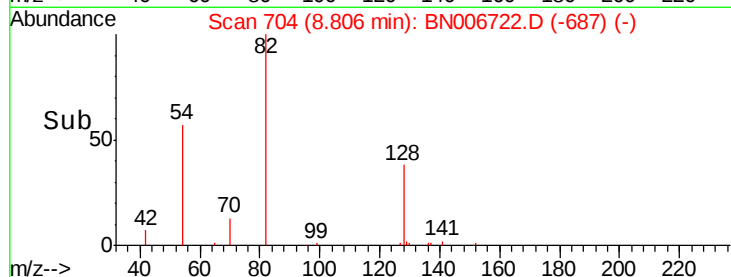
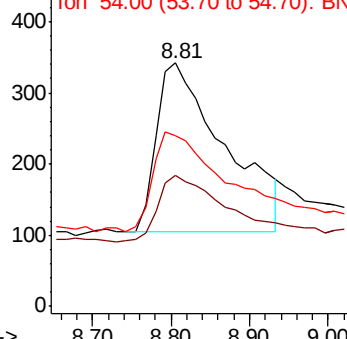
Tot Ion:	82	Resp:	1431
Ion Ratio	Lower	Upper	
82	100		
128	54.1	36.1	54.1
54	70.2	44.5	66.7#

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Abundance Ion 82.00 (81.70 to 82.70): BN006691.D (-697) (-)



#9

Naphthalene

Concen: 0.089 ng

RT: 10.42 min Scan# 831

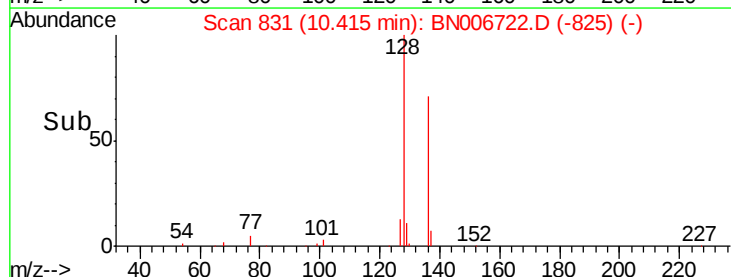
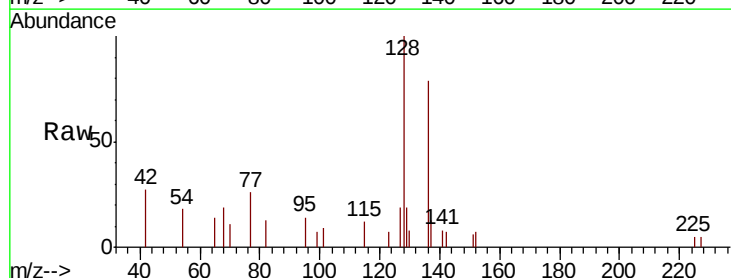
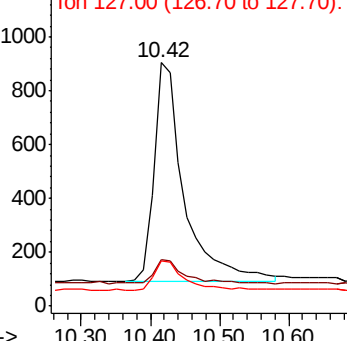
Delta R.T. -0.03 min

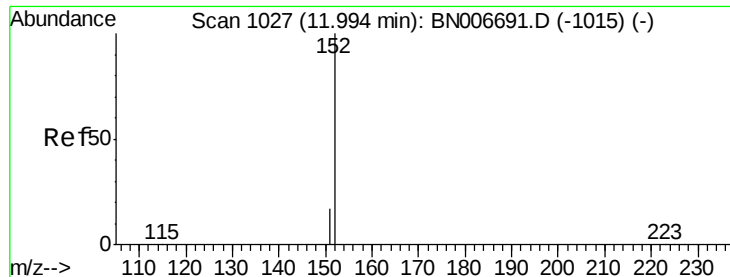
Lab File: BN006722.D

Acq: 05 Jul 2019 18:51

Tgt Ion:	128	Resp:	2456
Ion Ratio	Lower	Upper	
128	100		
129	19.4	9.6	14.4#
127	18.6	11.0	16.4#

Abundance Ion 128.00 (127.70 to 128.70): BN006691.D (-827) (-)





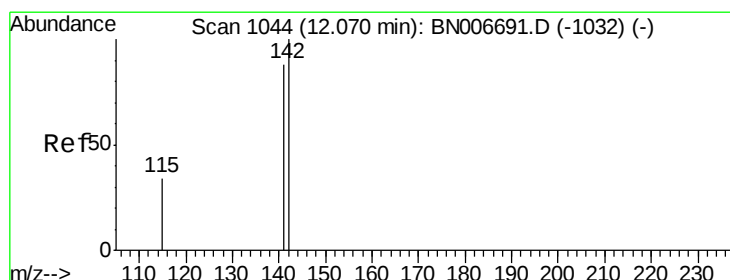
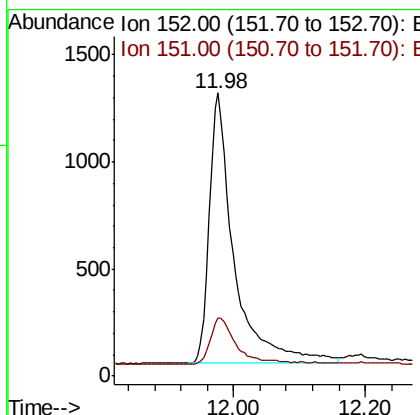
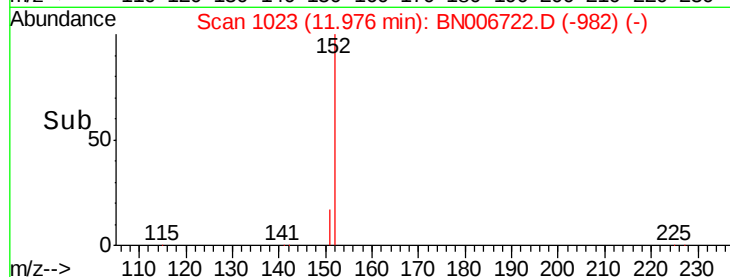
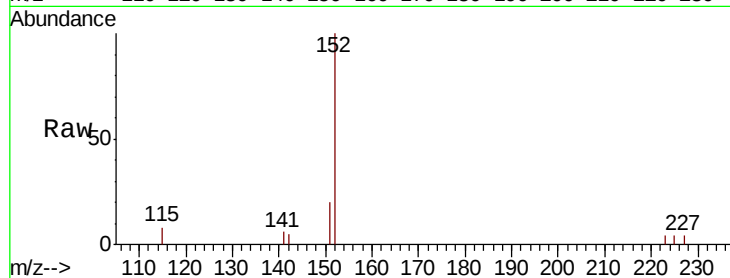
#11
 2-Methylnaphthalene-d10
 Concen: 0.218 ng
 RT: 11.98 min Scan# 1023
 Delta R.T. -0.02 min
 Lab File: BN006722.D
 Acq: 05 Jul 2019 18:51

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-B235-062619

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.3	14.9	22.3

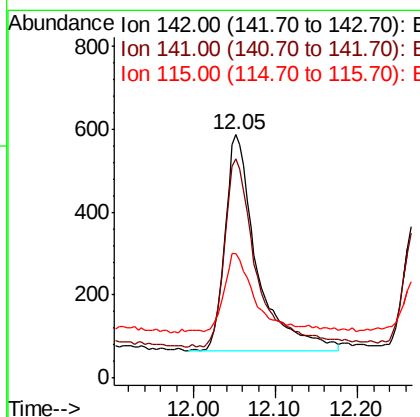
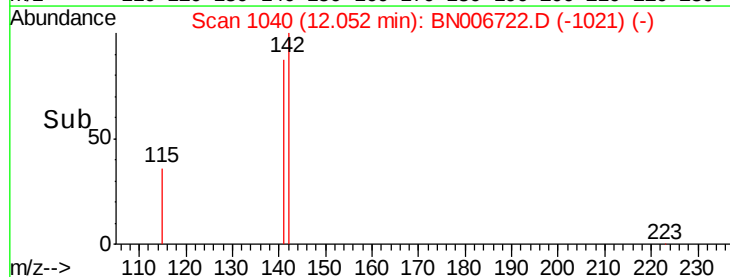
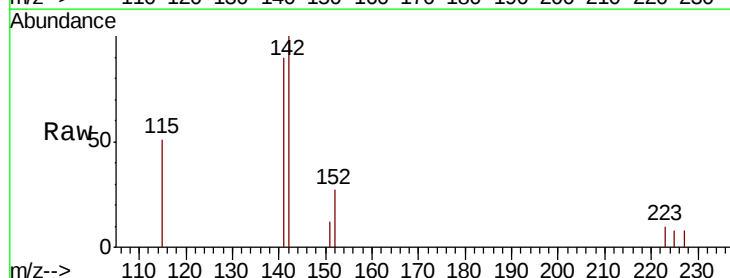
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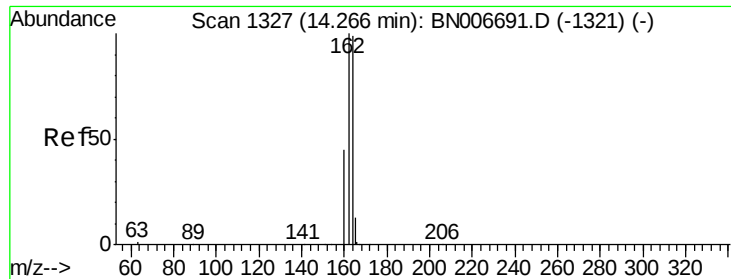
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#12
 2-Methylnaphthalene
 Concen: 0.030 ng
 RT: 12.05 min Scan# 1040
 Delta R.T. -0.02 min
 Lab File: BN006722.D
 Acq: 05 Jul 2019 18:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.3	105.5
115	51.1	28.9	43.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.24 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN006722.D

Acq: 05 Jul 2019 18:51

Instrument :

BNA_N

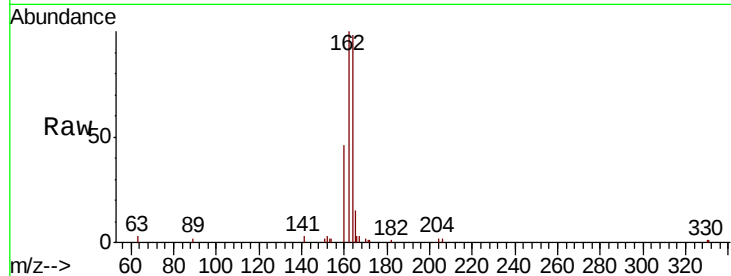
ClientSampleId :

PST-016-B235-062619

Tot Ion:	164	Resp:	6225
Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.8	121.2
160	46.7	37.0	55.6

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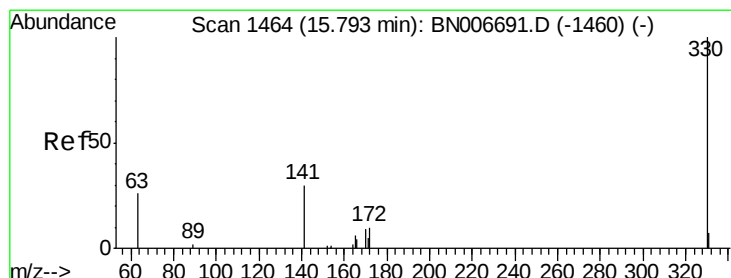
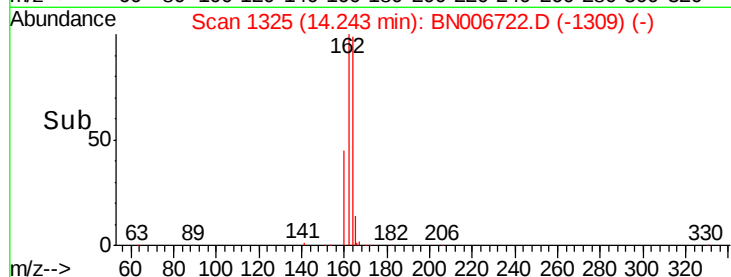
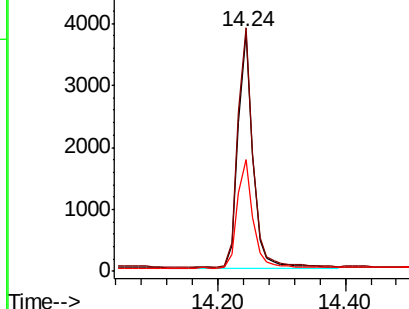


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.233 ng

RT: 15.77 min Scan# 1462

Delta R.T. -0.02 min

Lab File: BN006722.D

Acq: 05 Jul 2019 18:51

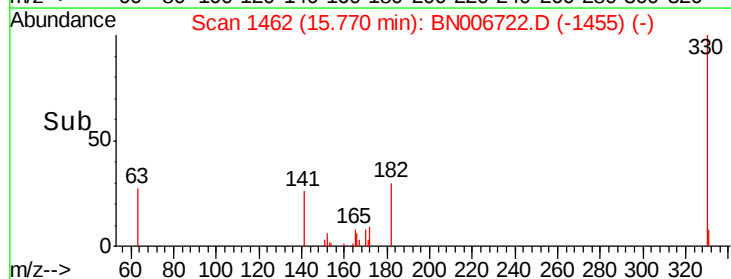
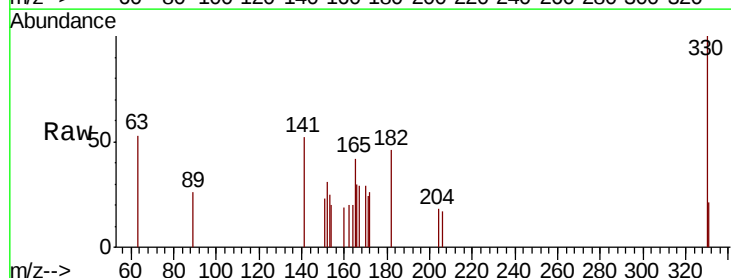
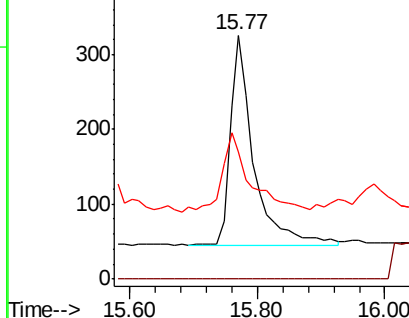
Tgt Ion:	330	Resp:	714
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.1	24.8	37.2#

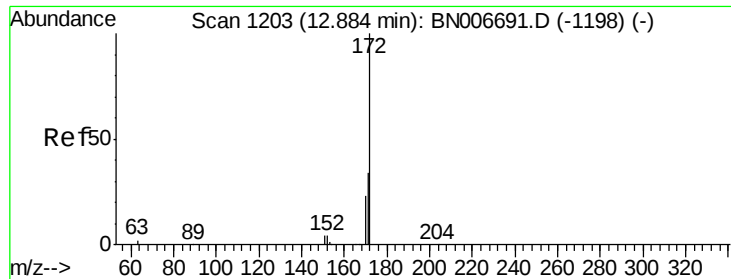
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





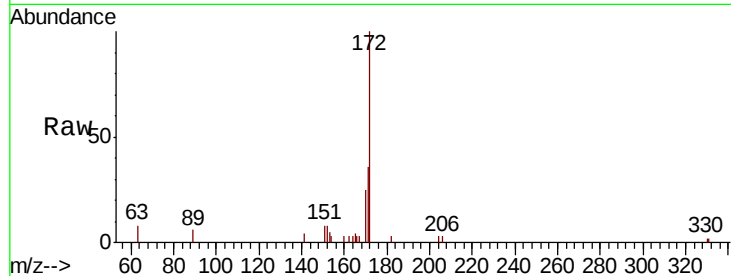
#15
2-Fluorobiphenyl
Concen: 0.176 ng
RT: 12.86 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BN006722.D
Acq: 05 Jul 2019 18:51

Instrument :
BNA_N
ClientSampleId :
PST-016-B235-062619

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	27.8	41.6
170	24.8	18.9	28.3

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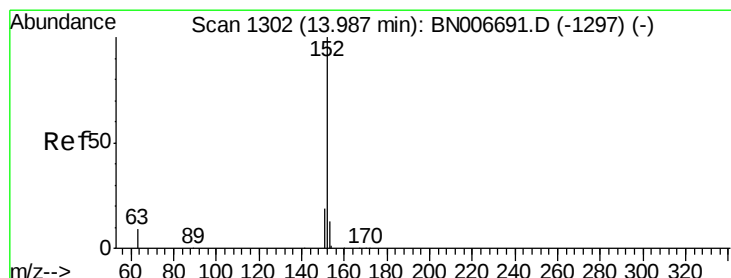
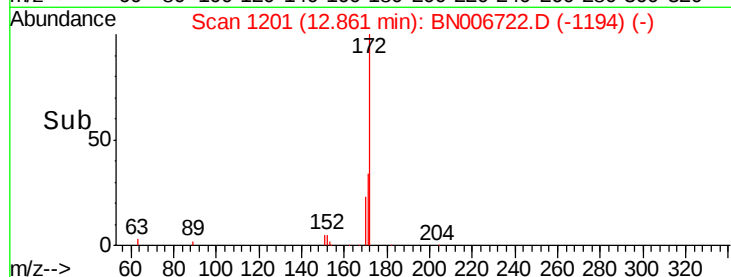
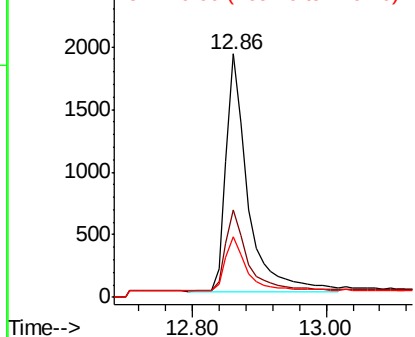


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.097 ng
RT: 13.96 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BN006722.D
Acq: 05 Jul 2019 18:51

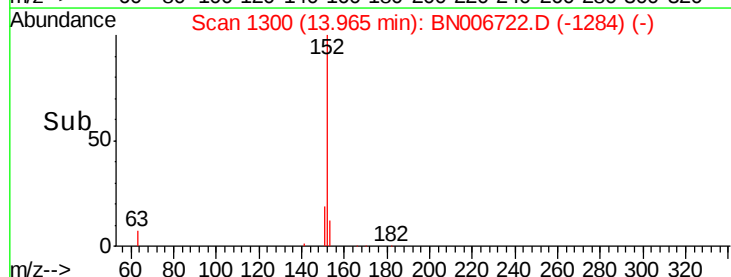
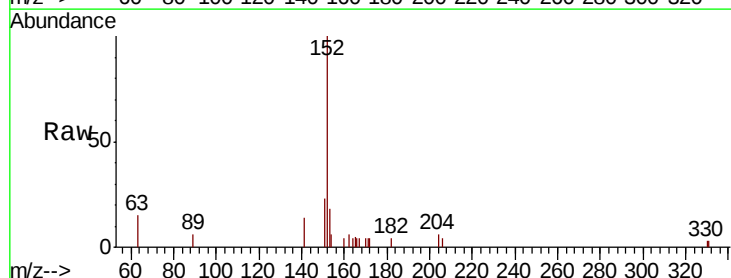
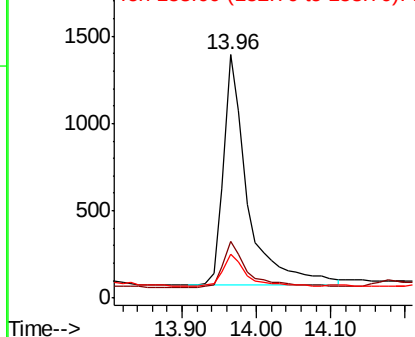
Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	15.7	23.5
153	13.3	10.6	15.8

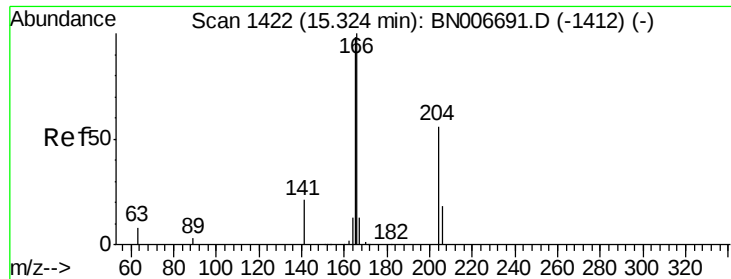
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





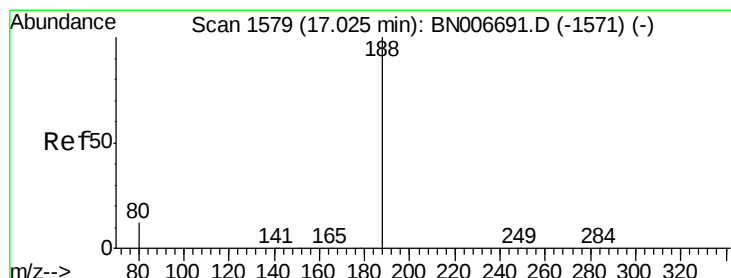
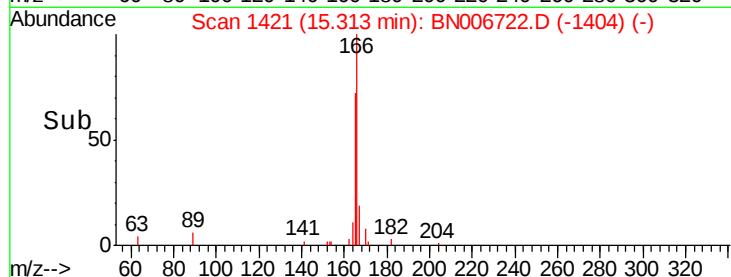
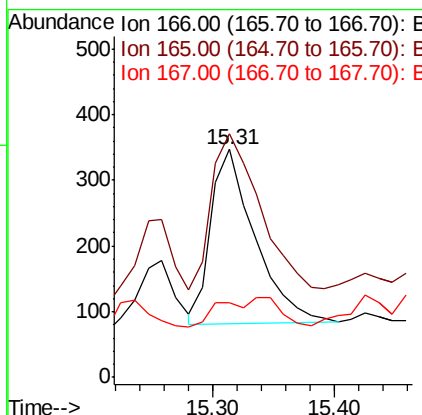
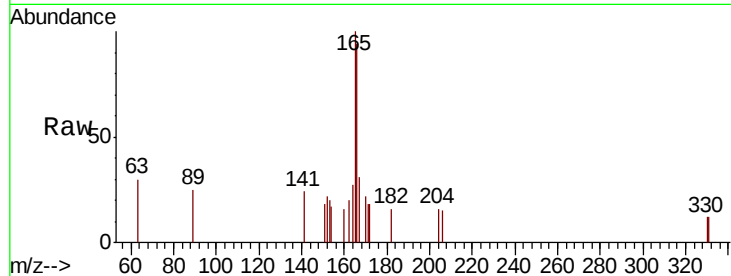
#18
Fluorene
Concen: 0.027 ng
RT: 15.31 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BN006722.D
Acq: 05 Jul 2019 18:51

Instrument :
BNA_N
ClientSampleId :
PST-016-B235-062619

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.7	78.0	117.0
167	0.0	10.7	16.1#

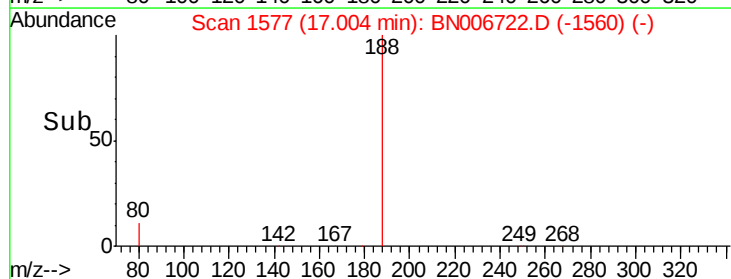
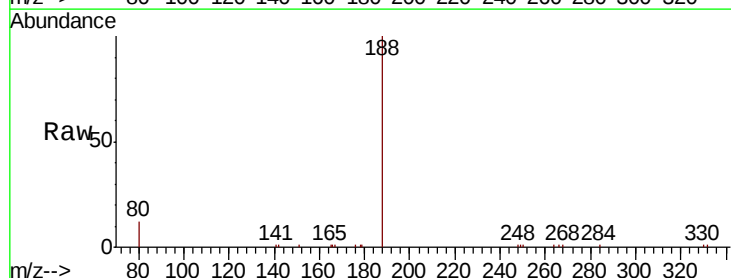
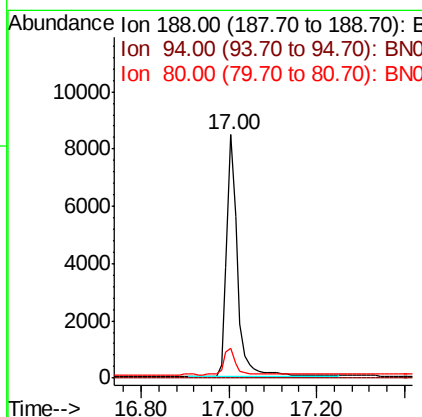
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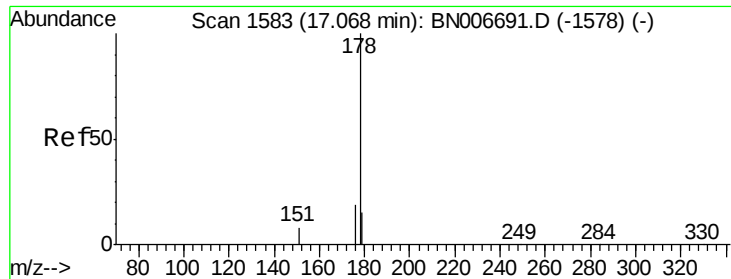
mohammad
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.00 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BN006722.D
Acq: 05 Jul 2019 18:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.4	10.3	15.5





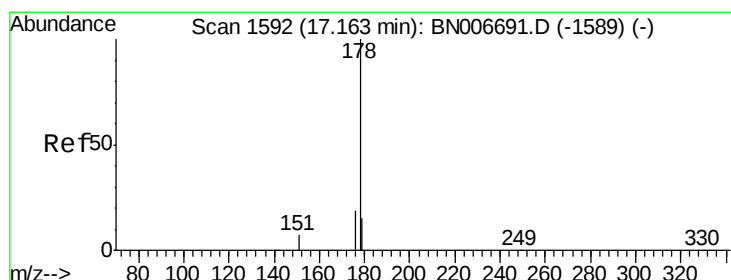
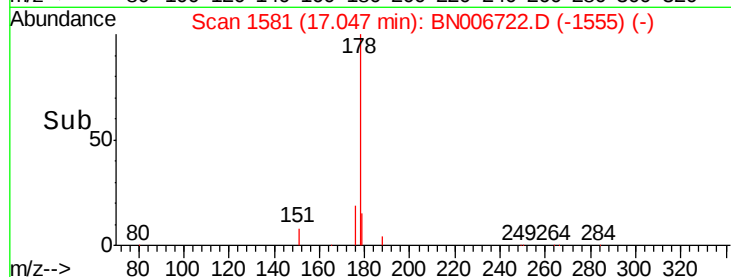
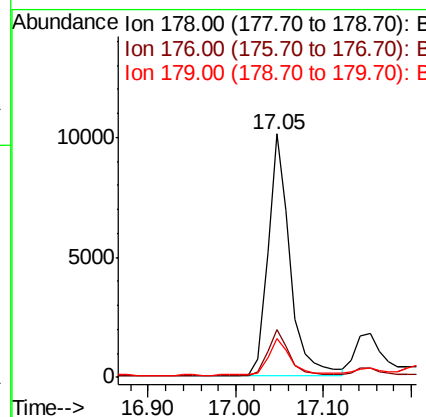
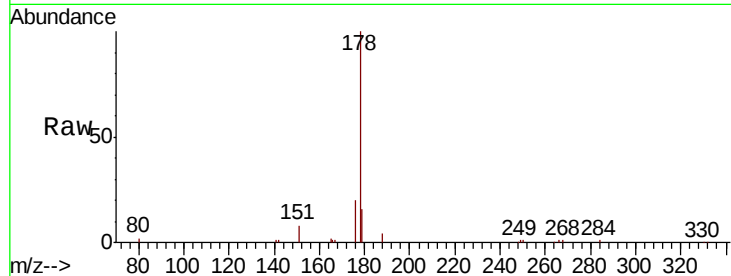
#23
Phenanthrene
Concen: 0.412 ng
RT: 17.05 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BN006722.D
Acq: 05 Jul 2019 18:51

Instrument :
BNA_N
ClientSampleId :
PST-016-B235-062619

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	16.2	12.4	18.6

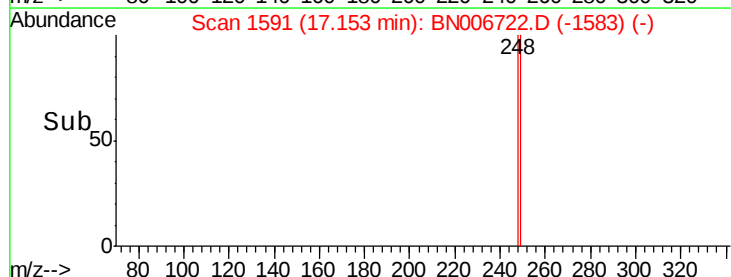
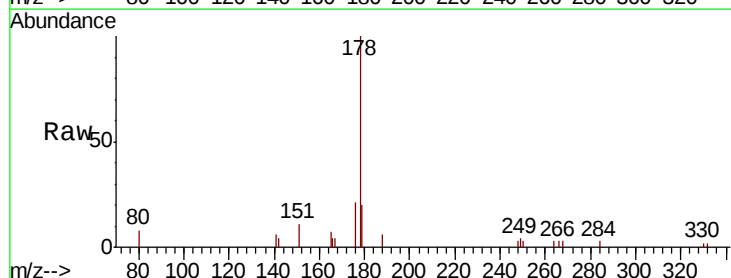
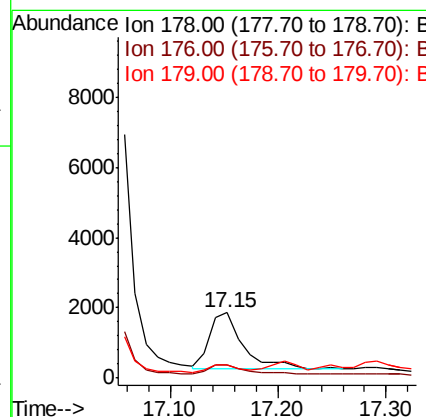
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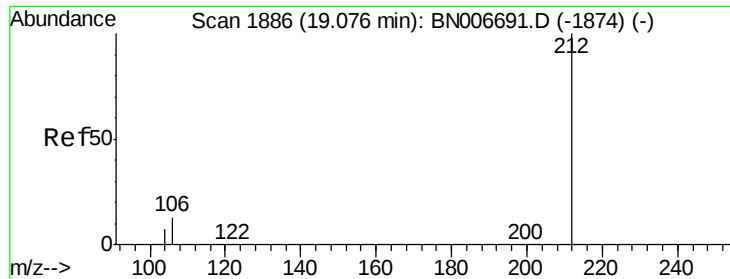
mohammad
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#24
Anthracene
Concen: 0.091 ng
RT: 17.15 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BN006722.D
Acq: 05 Jul 2019 18:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	10.7	11.9	17.9#





#25

Fluoranthene-d10

Concen: 0.156 ng

RT: 19.05 min Scan# 1881

Delta R.T. -0.02 min

Lab File: BN006722.D

Acq: 05 Jul 2019 18:51

Instrument :

BNA_N

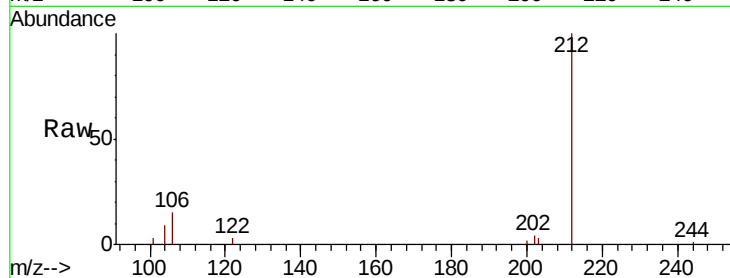
ClientSampleId :

PST-016-B235-062619

Tot Ion	Ratio	Lower	Upper
212	100		
106	14.4	11.0	16.6
104	9.1	6.1	9.1#

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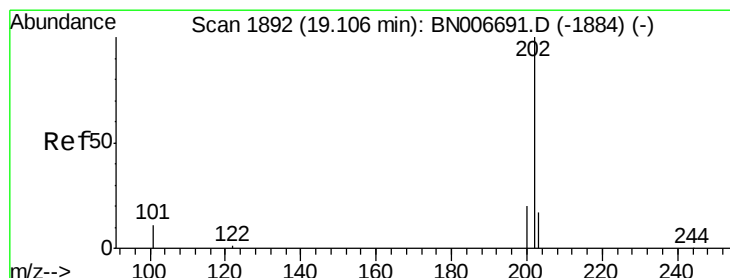
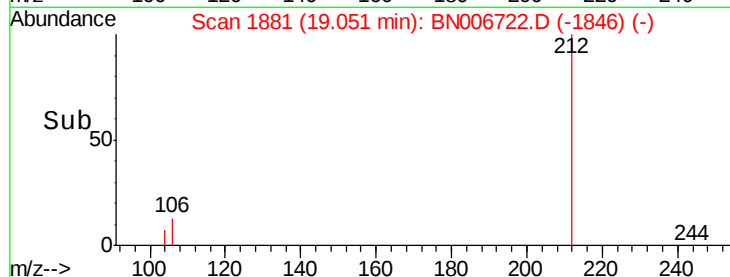
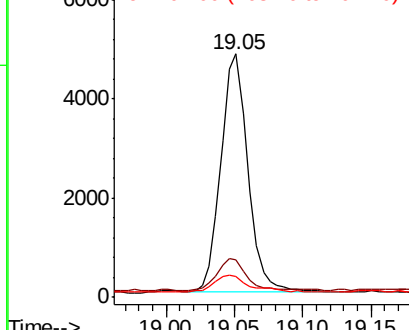


Abundance

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: 0.624 ng

RT: 19.08 min Scan# 1887

Delta R.T. -0.02 min

Lab File: BN006722.D

Acq: 05 Jul 2019 18:51

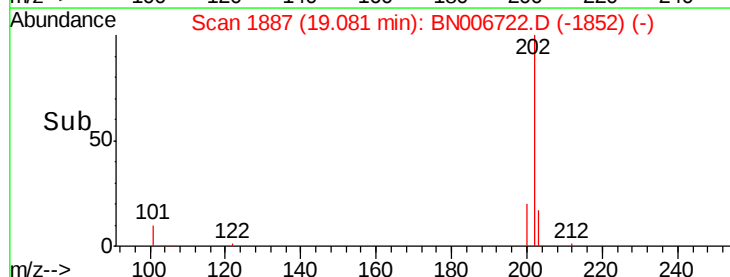
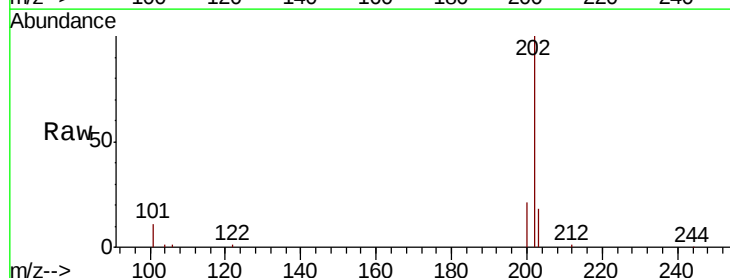
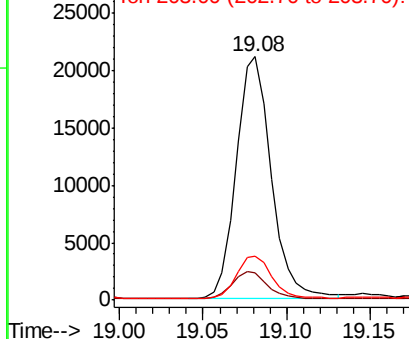
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	8.7	13.1
203	17.9	13.8	20.6

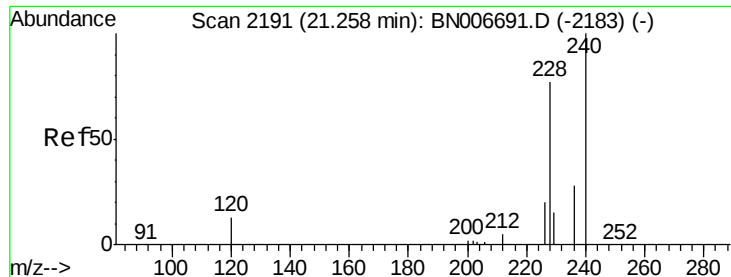
Abundance

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





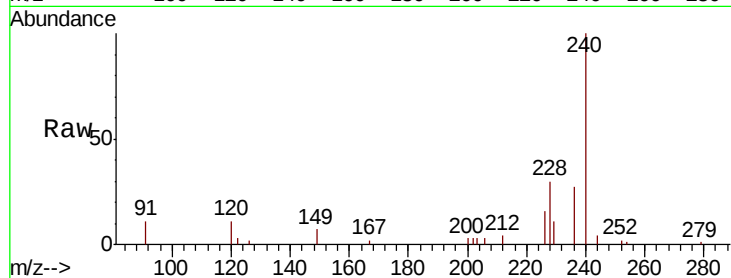
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.23 min Scan# 2188
Delta R.T. -0.03 min
Lab File: BN006722.D
Acq: 05 Jul 2019 18:51

Instrument :
BNA_N
ClientSampleId :
PST-016-B235-062619

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	12.9	19.3#
236	27.1	23.2	34.8

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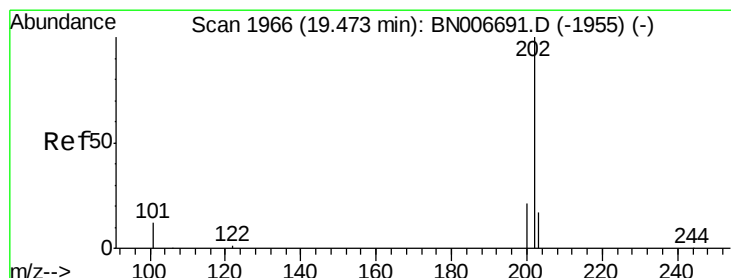
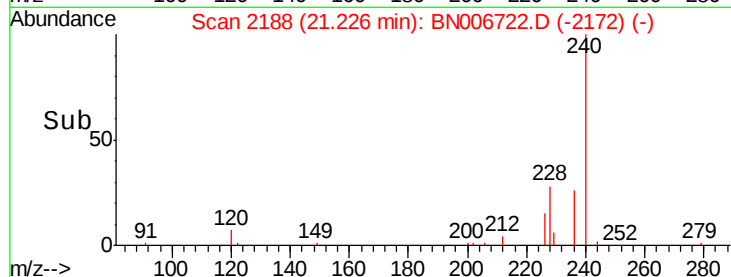
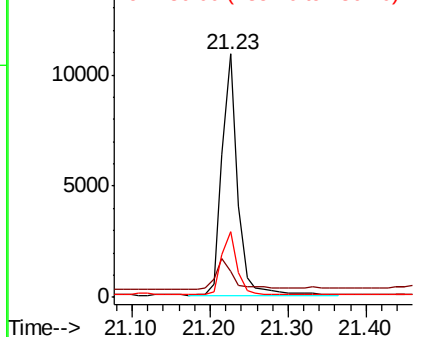


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28
Pyrene
Concen: 0.802 ng
RT: 19.44 min Scan# 1960
Delta R.T. -0.03 min
Lab File: BN006722.D
Acq: 05 Jul 2019 18:51

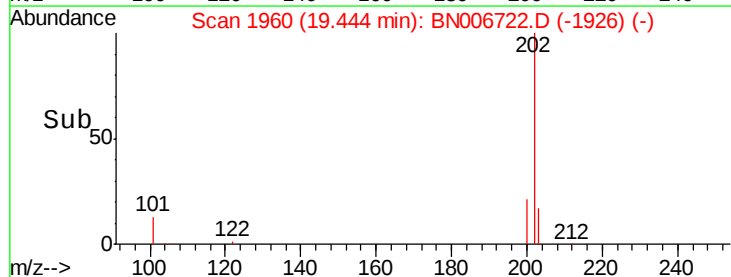
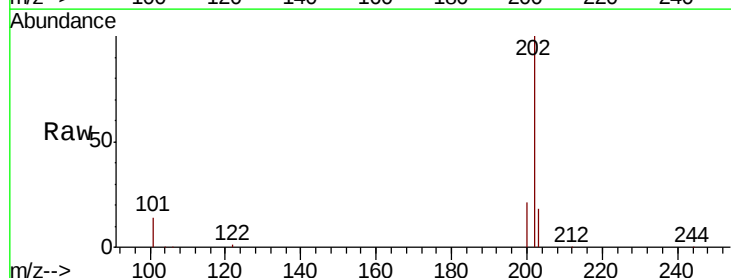
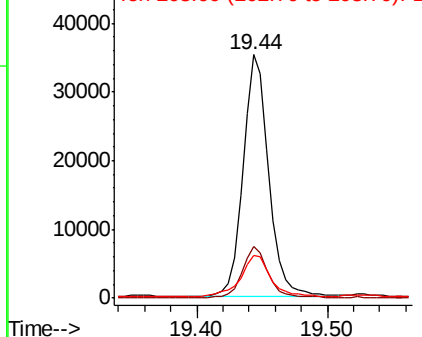
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	20.2	14.2	21.2

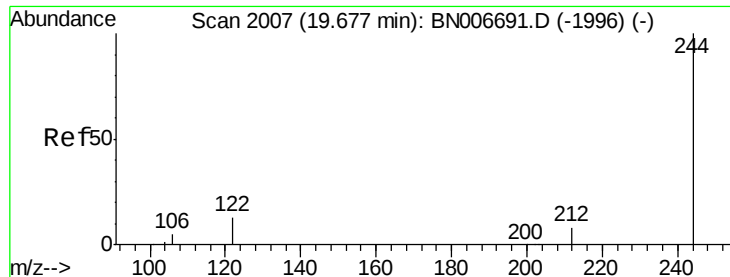
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





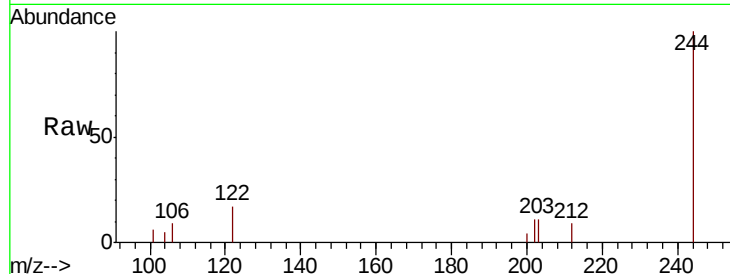
#29
 Terphenyl-d14
 Concen: 0.127 ng
 RT: 19.65 min Scan# 2002
 Delta R.T. -0.02 min
 Lab File: BN006722.D
 Acq: 05 Jul 2019 18:51

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-B235-062619

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.0	10.4
122	17.3	11.5	17.3

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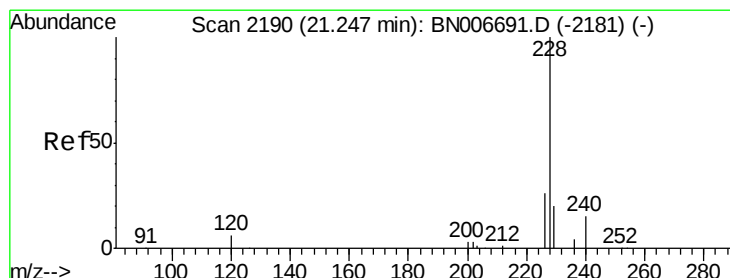
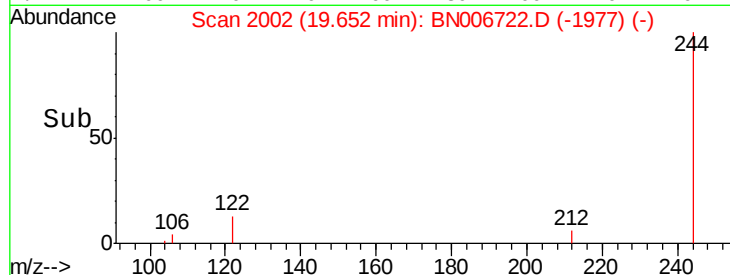
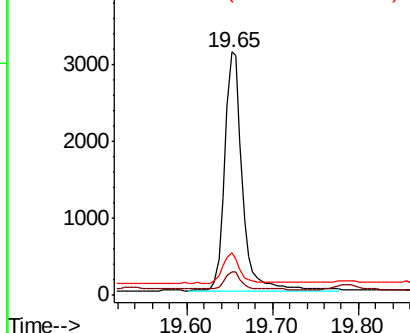


Abundance

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: 0.367 ng
 RT: 21.20 min Scan# 2186
 Delta R.T. -0.04 min
 Lab File: BN006722.D
 Acq: 05 Jul 2019 18:51

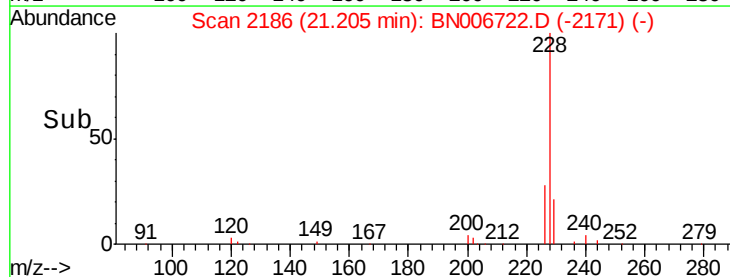
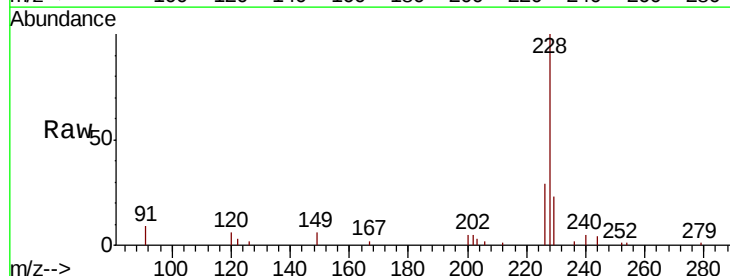
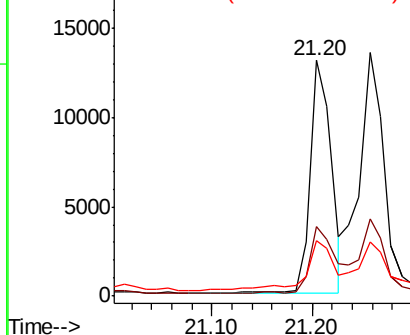
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.5	32.3
229	23.3	16.2	24.4

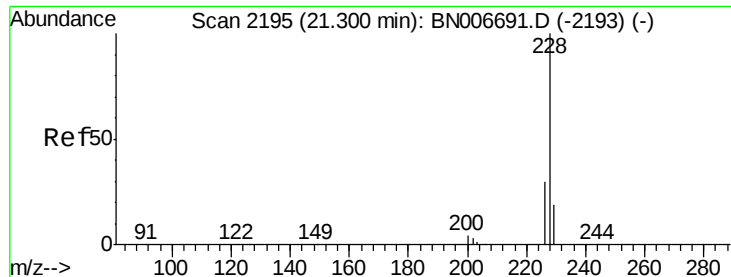
Abundance

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





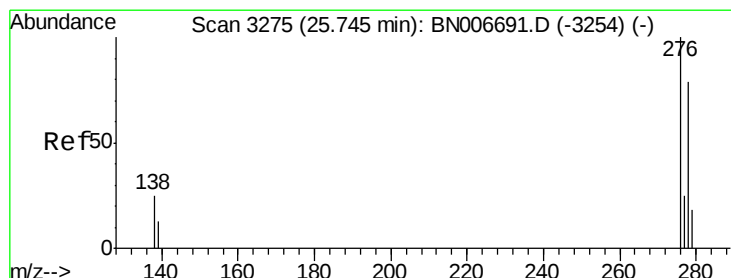
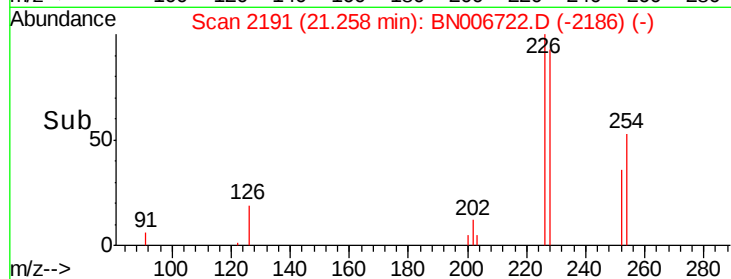
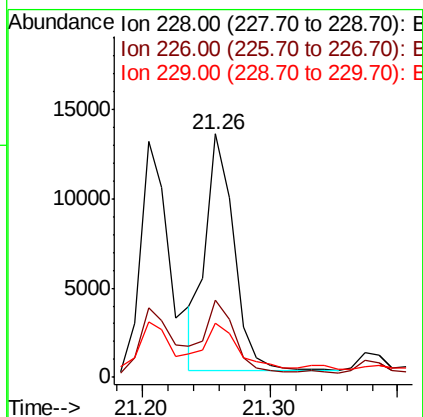
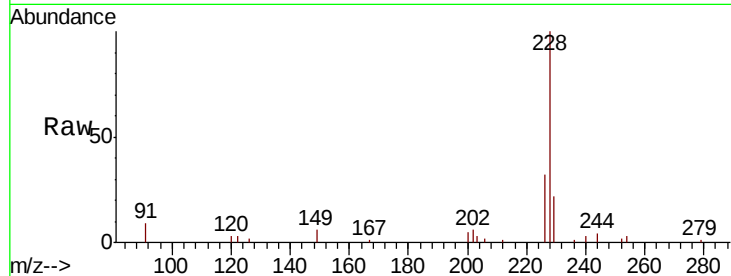
#31
Chrysene
Concen: 0.379 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BN006722.D
Acq: 05 Jul 2019 18:51

Instrument :
BNA_N
ClientSampleId :
PST-016-B235-062619

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.2	36.2
229	22.4	15.8	23.6

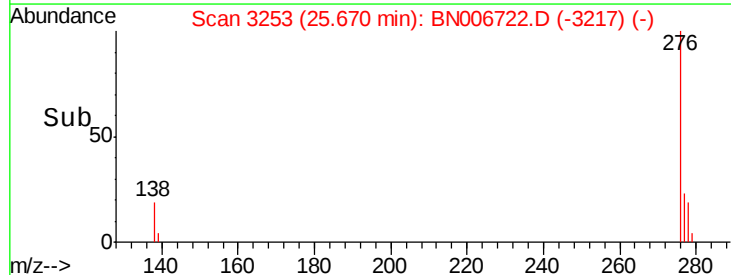
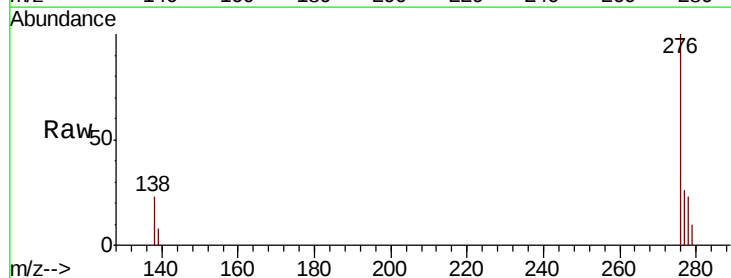
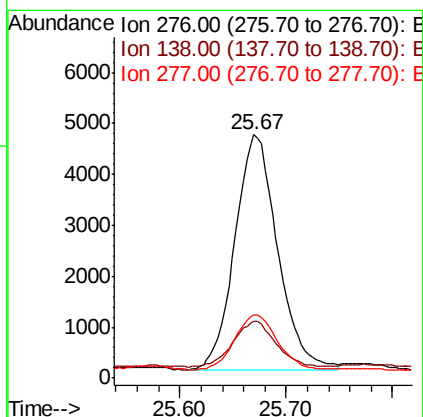
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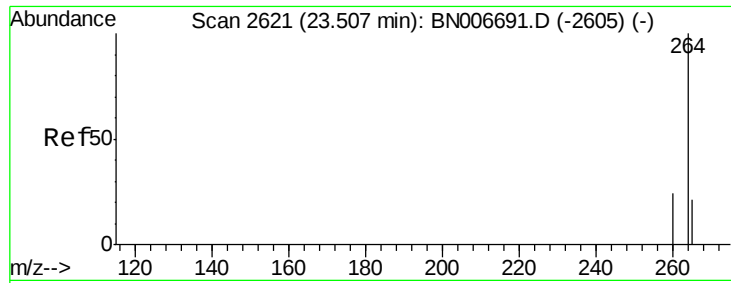
mohammad
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#33
Indeno(1,2,3-cd)pyrene
Concen: 0.199 ng
RT: 25.67 min Scan# 3253
Delta R.T. -0.08 min
Lab File: BN006722.D
Acq: 05 Jul 2019 18:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.4	19.5	29.3#
277	23.3	19.7	29.5





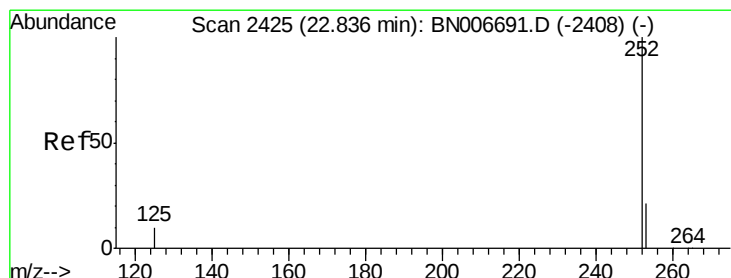
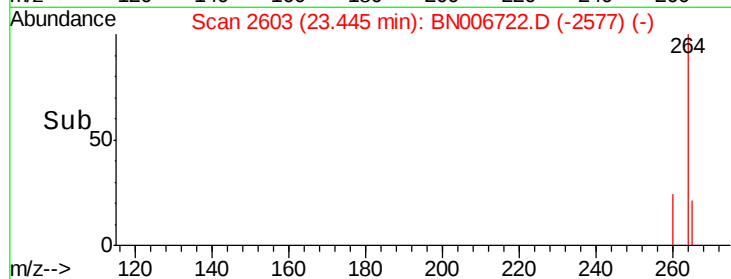
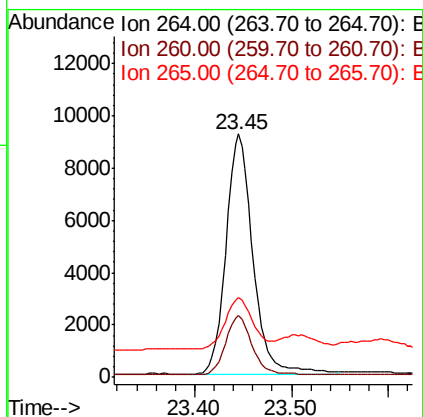
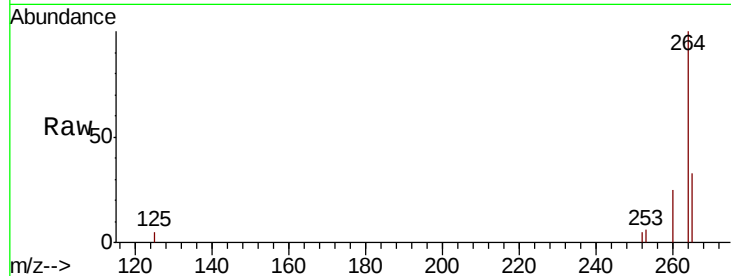
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.45 min Scan# 2603
 Delta R.T. -0.06 min
 Lab File: BN006722.D
 Acq: 05 Jul 2019 18:51

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-B235-062619

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.2	30.2
265	32.7	33.7	50.5

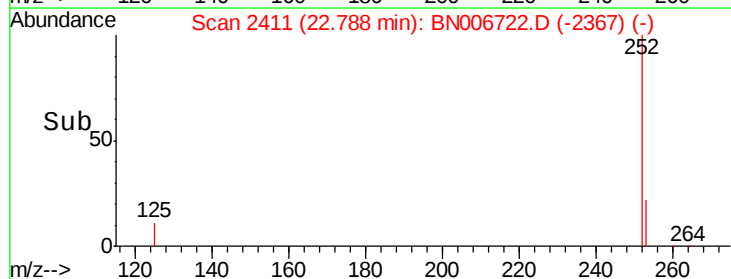
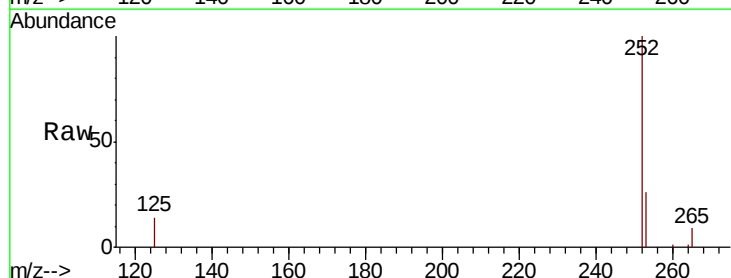
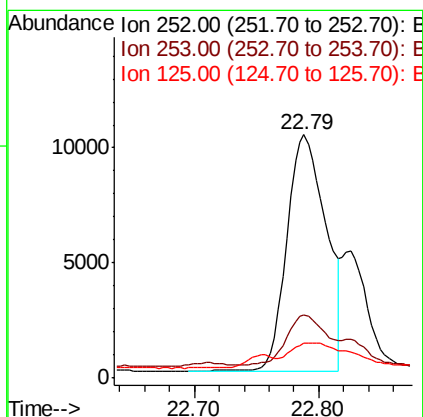
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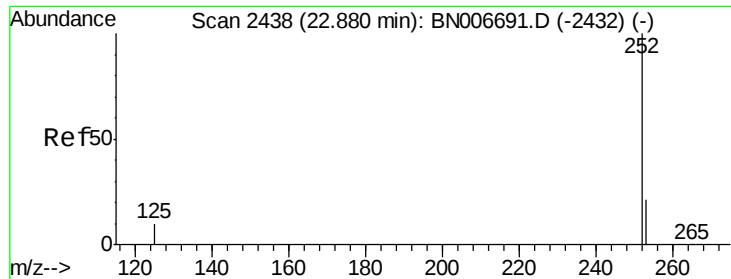
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 0.395 ng
 RT: 22.79 min Scan# 2411
 Delta R.T. -0.05 min
 Lab File: BN006722.D
 Acq: 05 Jul 2019 18:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	20.2	30.2
125	14.5	11.5	17.3





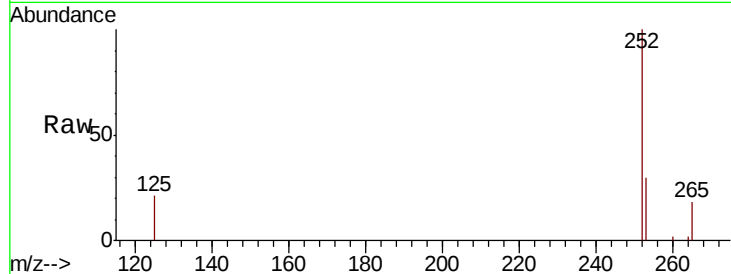
#36
Benzo(k)fluoranthene
Concen: 0.125 ng m
RT: 22.83 min Scan# 2422
Delta R.T. -0.05 min
Lab File: BN006722.D
Acq: 05 Jul 2019 18:51

Instrument :
BNA_N
ClientSampleId :
PST-016-B235-062619

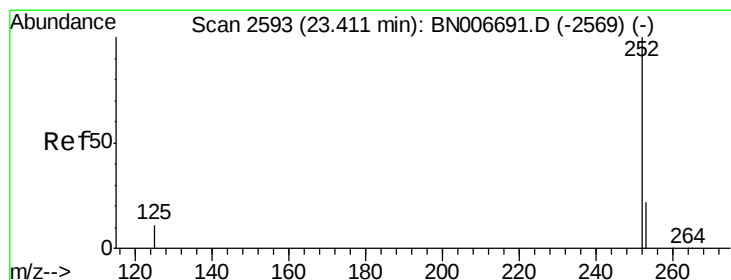
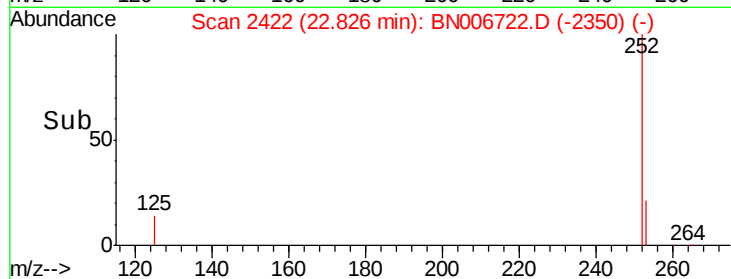
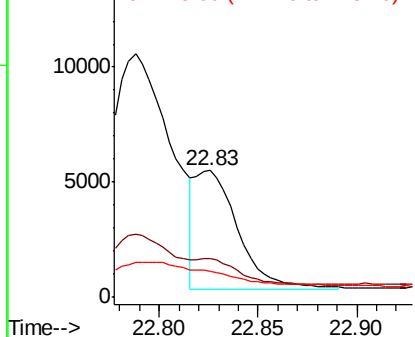
Tot Ion	Ratio	Lower	Upper
252	100		
253	30.2	20.1	30.1#
125	20.9	11.4	17.0#

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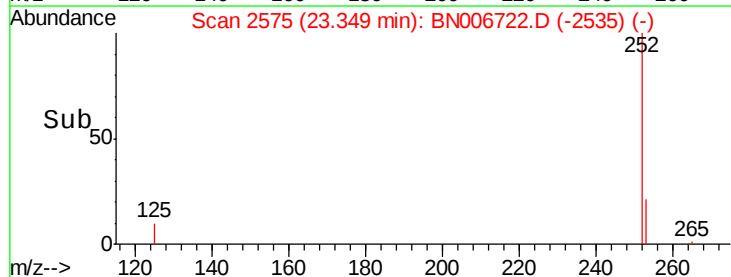
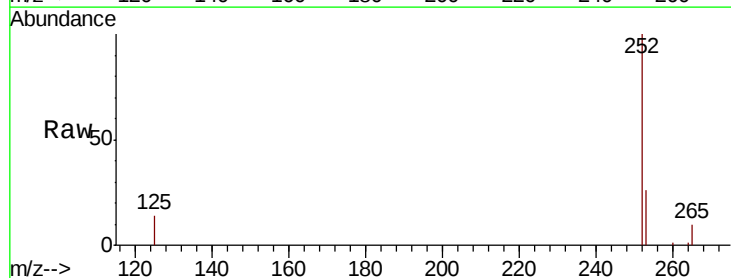
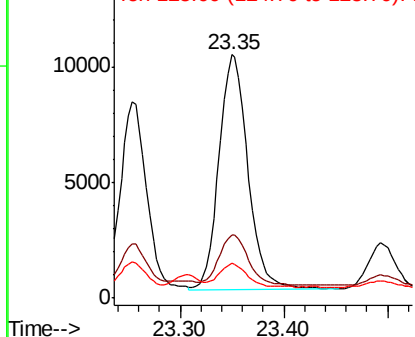
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

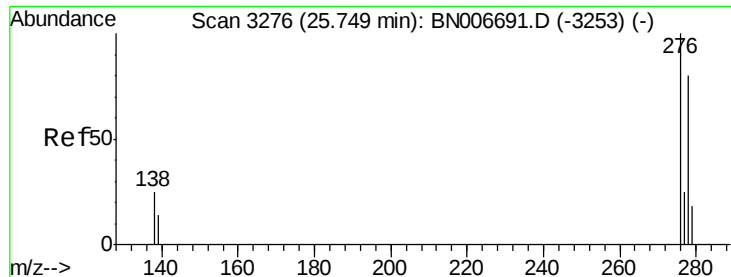


#37
Benzo(a)pyrene
Concen: 0.357 ng
RT: 23.35 min Scan# 2575
Delta R.T. -0.06 min
Lab File: BN006722.D
Acq: 05 Jul 2019 18:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	21.4	32.2
125	14.1	13.3	19.9

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





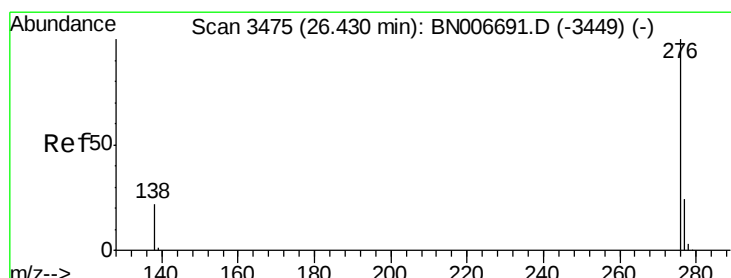
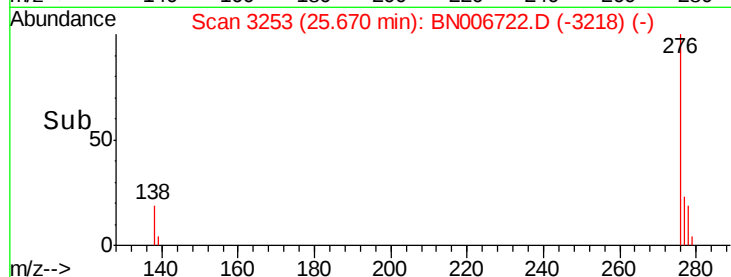
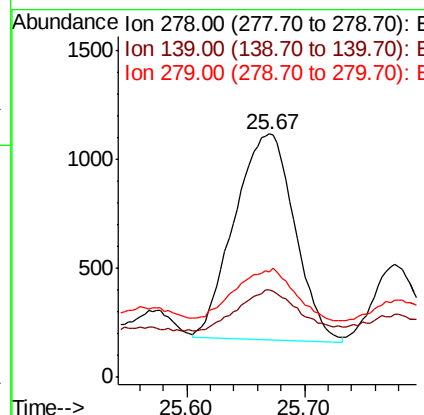
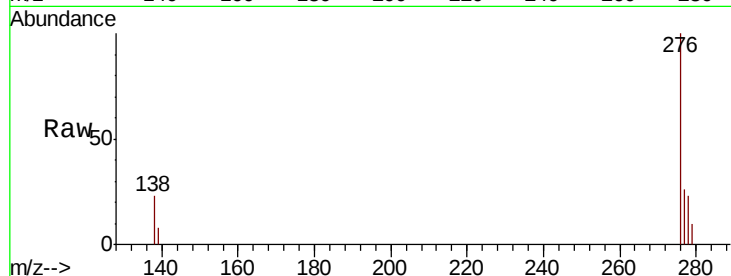
#38
Dibenzo(a,h)anthracene
Concen: 0.061 ng
RT: 25.67 min Scan# 3253
Delta R.T. -0.08 min
Lab File: BN006722.D
Acq: 05 Jul 2019 18:51

Instrument :
BNA_N
ClientSampleId :
PST-016-B235-062619

Tot Ion	Ratio	Lower	Upper
278	100		
139	35.9	16.2	24.4#
279	43.1	20.7	31.1#

Manual Integrations
APPROVED

mohammad
7/8/2019 2:16:10 PM



#39
Benzo(g,h,i)perylene
Concen: 0.270 ng
RT: 26.35 min Scan# 3451
Delta R.T. -0.08 min
Lab File: BN006722.D
Acq: 05 Jul 2019 18:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	20.6	30.8
138	23.1	19.7	29.5

