

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
 Data File : BN006726.D
 Acq On : 05 Jul 2019 21:10
 Operator : HP/JU
 Sample : K3561-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-015-B053-062519

Manual Integrations
 APPROVED

mohammad
 7/10/2019 8:27:01 AM

Quant Time: Jul 08 09:09:48 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	7.59	152	2764	0.40	ng	-0.03
7) Naphthalene-d8	10.36	136	10637	0.40	ng	-0.03
13) Acenaphthene-d10	14.24	164	6496	0.40	ng	-0.02
19) Phenanthrene-d10	17.00	188	15071	0.40	ng	-0.02
27) Chrysene-d12	21.23	240	14954	0.40	ng	-0.03
34) Perylene-d12	23.45	264	17006	0.40	ng	-0.06
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	2887	0.38	ng	-0.02
5) Phenol-d6	6.80	99	3992	0.42	ng	-0.03
8) Nitrobenzene-d5	8.78	82	2941	0.36	ng	-0.01
11) 2-Methylnaphthalene-d10	11.97	152	6193	0.39	ng	-0.02
14) 2,4,6-Tribromophenol	15.77	330	1058	0.33	ng	-0.02
15) 2-Fluorobiphenyl	12.86	172	9041	0.36	ng	-0.02
25) Fluoranthene-d10	19.05	212	15605	0.36	ng	-0.02
29) Terphenyl-d14	19.65	244	11518	0.33	ng	-0.02
Target Compounds						Qvalue
9) Naphthalene	10.42	128	922	0.032	ng	# 62
16) Acenaphthylene	13.96	152	5628	0.174	ng	99
18) Fluorene	15.31	166	1310	0.051	ng	90
23) Phenanthrene	17.05	178	22932	0.528	ng	99
24) Anthracene	17.14	178	3506	0.089	ng	# 91
26) Fluoranthene	19.08	202	27846	0.546	ng	99
28) Pyrene	19.44	202	38005	0.635	ng	98
30) Benzo(a)anthracene	21.22	228	12949	0.251	ng	# 89
31) Chrysene	21.26	228	17838m	0.336	ng	
33) Indeno(1,2,3-cd)pyrene	25.67	276	8484	0.133	ng	95
35) Benzo(b)fluoranthene	22.79	252	16513	0.303	ng	95
36) Benzo(k)fluoranthene	22.83	252	5323m	0.090	ng	
37) Benzo(a)pyrene	23.35	252	13097	0.248	ng	97
38) Dibenzo(a,h)anthracene	25.67	278	2344	0.045	ng	# 52
39) Benzo(a,h,i)perylene	26.35	276	9985	0.185	ng	98

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

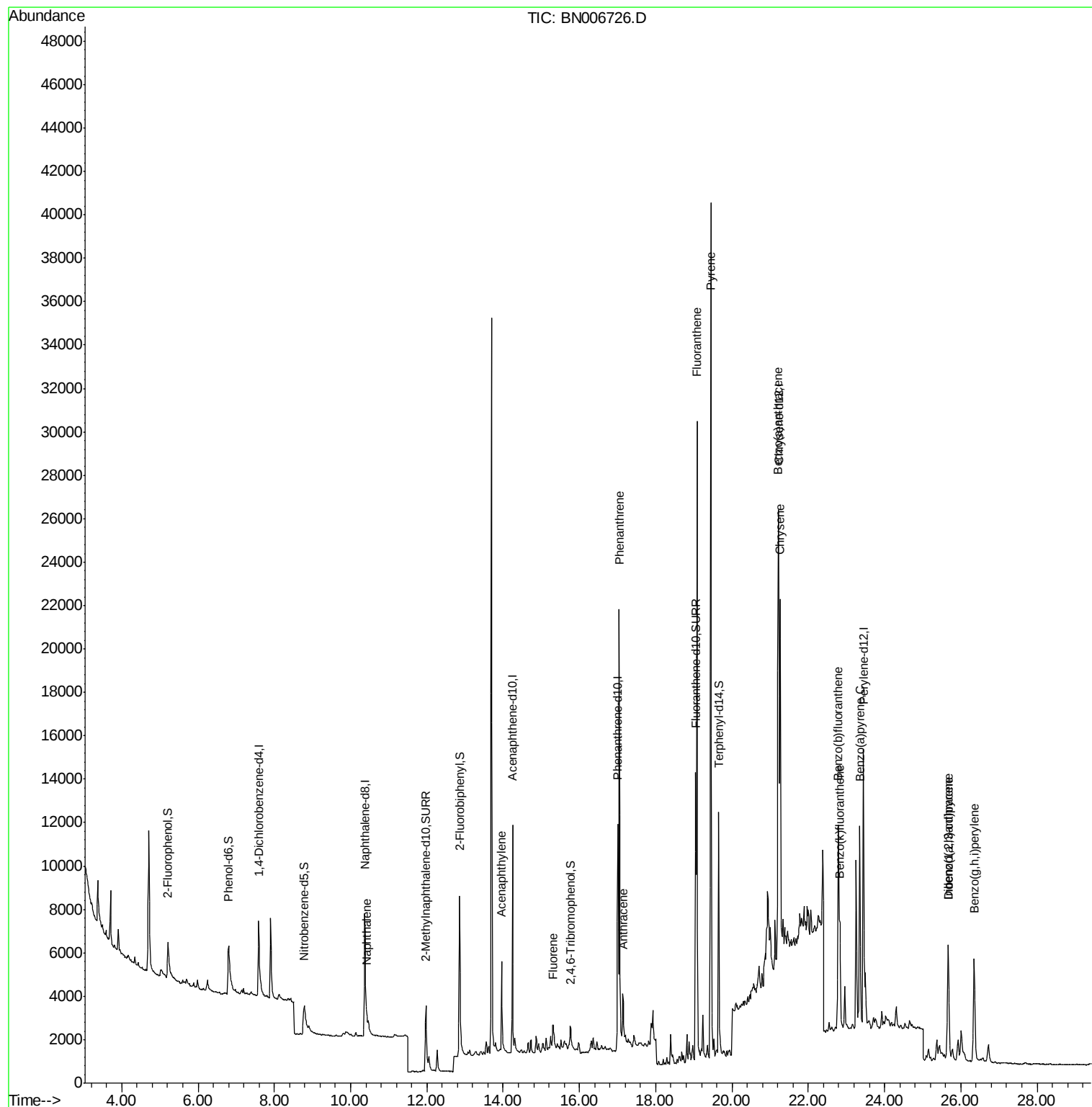
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
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ALS Vial : 16 Sample Multiplier: 1

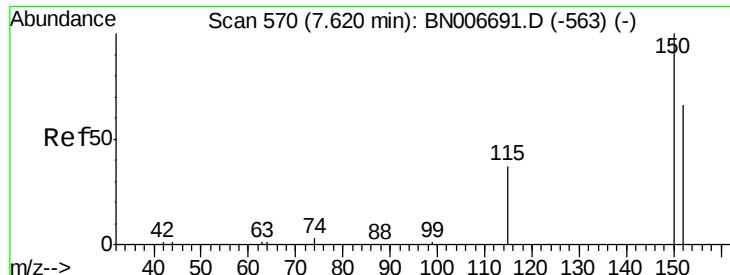
Instrument :
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PST-015-B053-062519

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#1

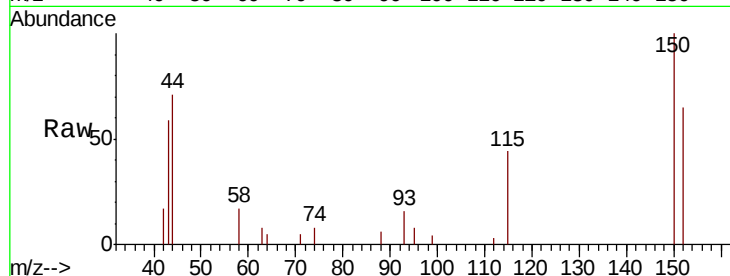
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.59 min Scan# 566
Delta R.T. -0.03 min
Lab File: BN006726.D
Acq: 05 Jul 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-015-B053-062519

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	120.6	181.0
115	67.8	51.0	76.6

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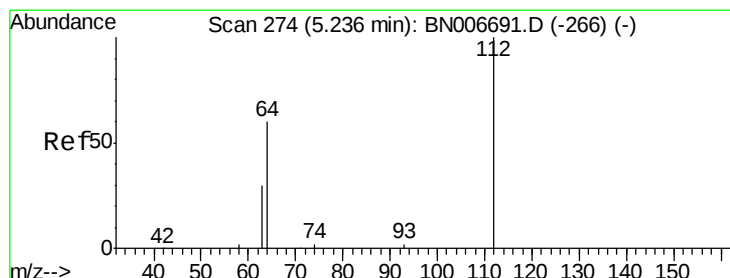
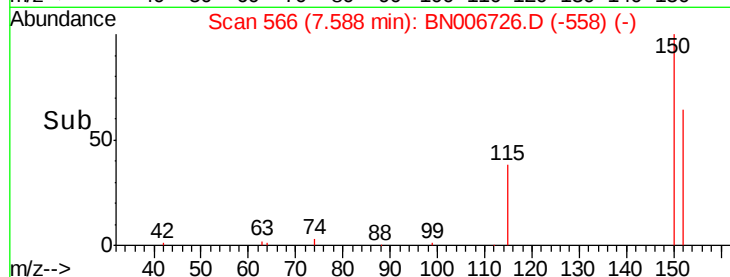
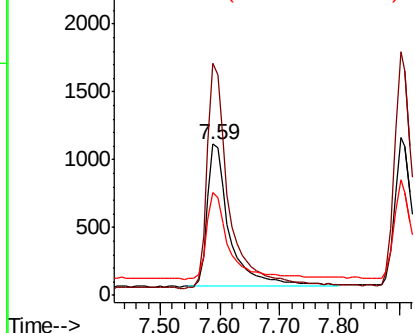


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

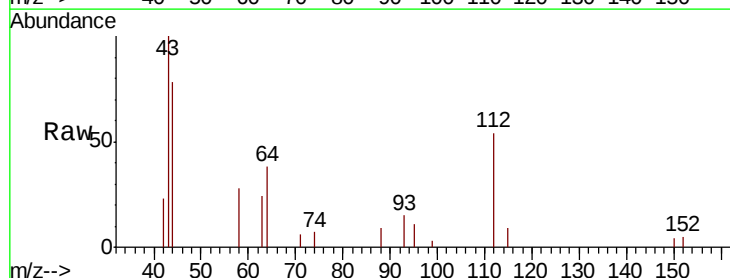
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.385 ng
RT: 5.21 min Scan# 271
Delta R.T. -0.02 min
Lab File: BN006726.D
Acq: 05 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	49.8	74.6
63	34.4	25.8	38.6

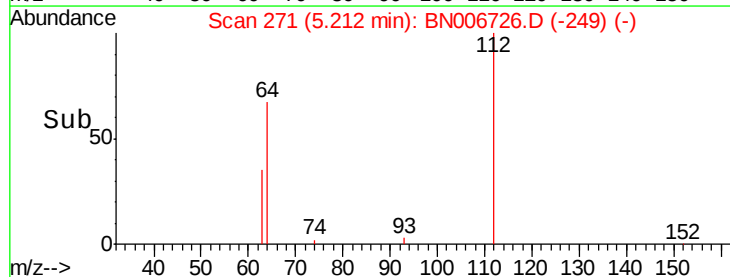
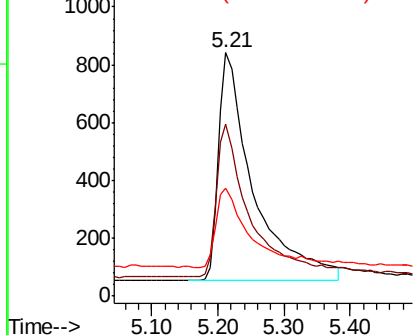


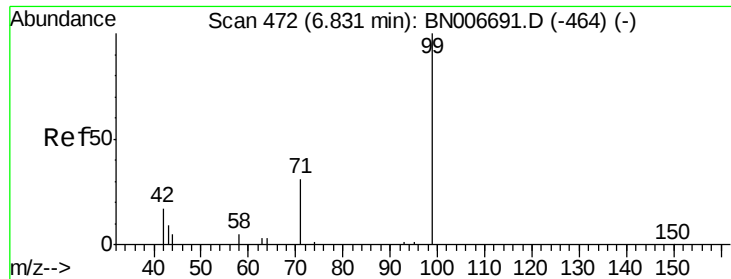
Abundance

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: 0.420 ng

RT: 6.80 min Scan# 468

Delta R.T. -0.03 min

Lab File: BN006726.D

Acq: 05 Jul 2019 21:10

Instrument :

BNA_N

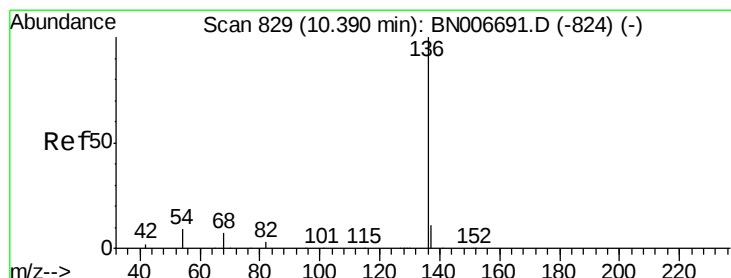
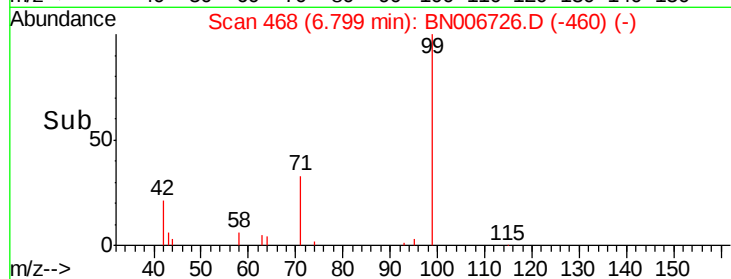
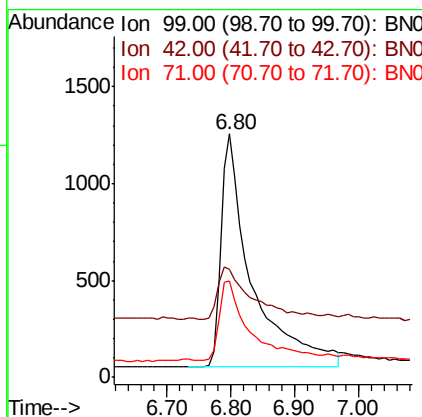
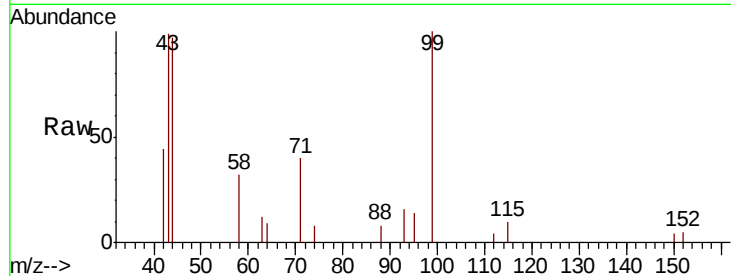
ClientSampleId :

PST-015-B053-062519

Tot Ion:	99	Resp:	3992
Ion	Ratio	Lower	Upper
99	100		
42	25.7	16.6	25.0#
71	33.6	26.0	39.0

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#7

Naphthalene-d8

Concen: 0.400 ng

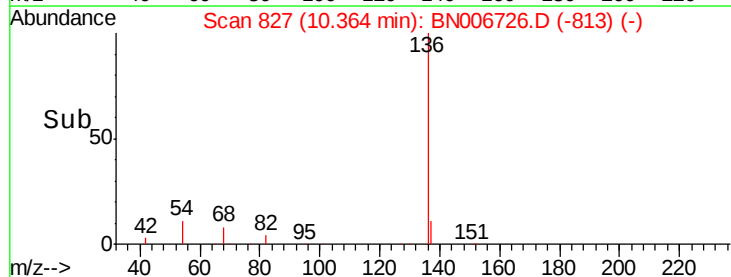
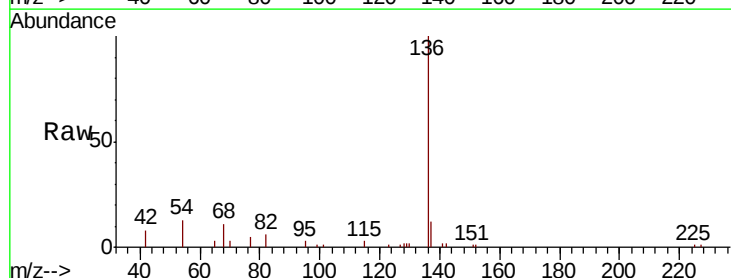
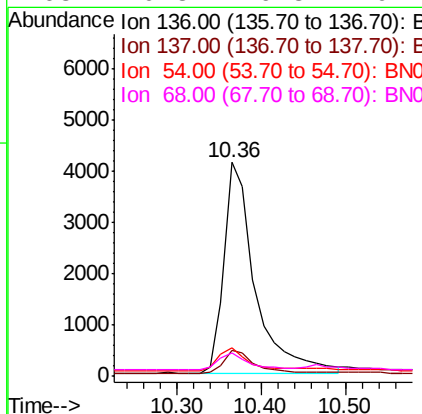
RT: 10.36 min Scan# 827

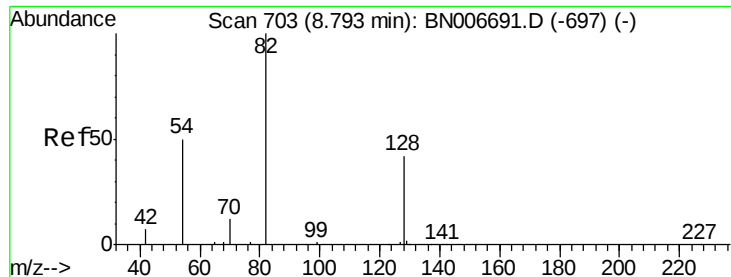
Delta R.T. -0.03 min

Lab File: BN006726.D

Acq: 05 Jul 2019 21:10

Tgt Ion:	136	Resp:	10637
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.3	13.9
54	13.2	8.4	12.6#
68	10.8	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.360 ng

RT: 8.78 min Scan# 702

Delta R.T. -0.01 min

Lab File: BN006726.D

Acq: 05 Jul 2019 21:10

Instrument :

BNA_N

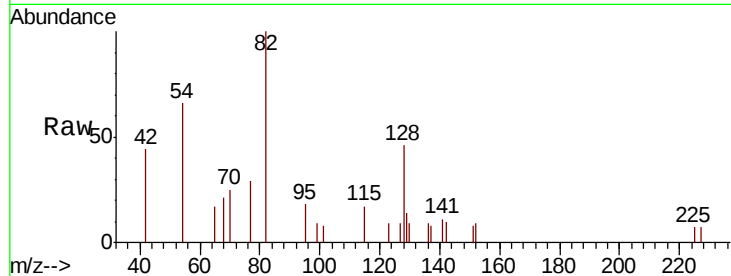
ClientSampleId :

PST-015-B053-062519

Tot Ion:	82	Resp:	2941
Ion Ratio	Lower	Upper	
82	100		
128	45.7	36.1	54.1
54	66.3	44.5	66.7

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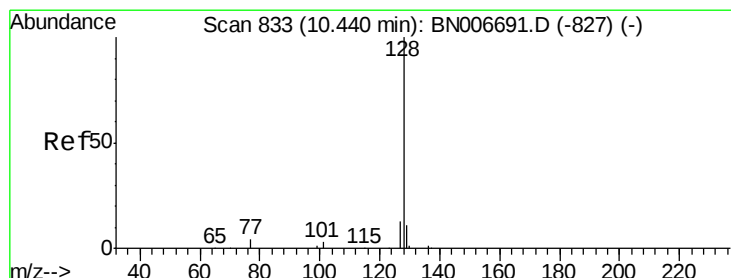
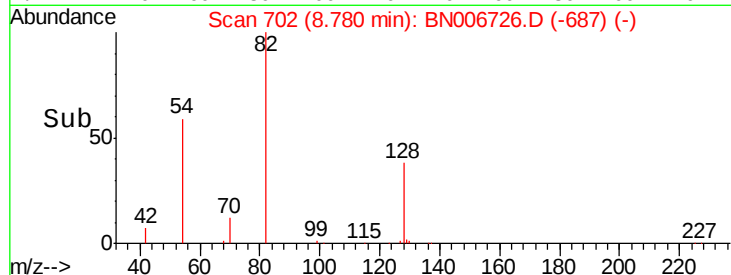
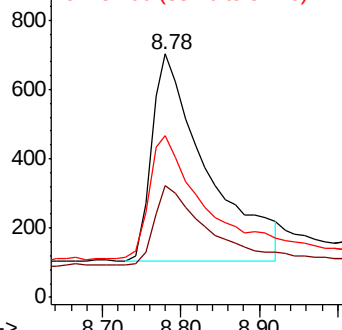


Abundance

Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): BNC

Ion 54.00 (53.70 to 54.70): BNC



#9

Naphthalene

Concen: 0.032 ng

RT: 10.42 min Scan# 831

Delta R.T. -0.03 min

Lab File: BN006726.D

Acq: 05 Jul 2019 21:10

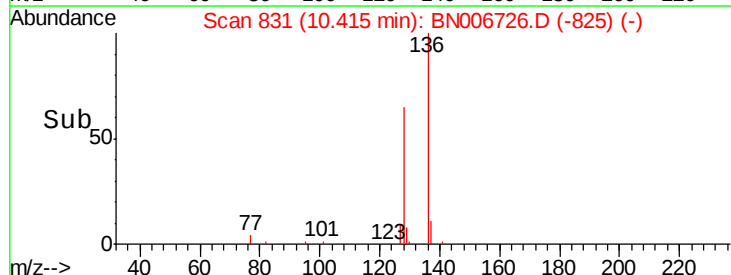
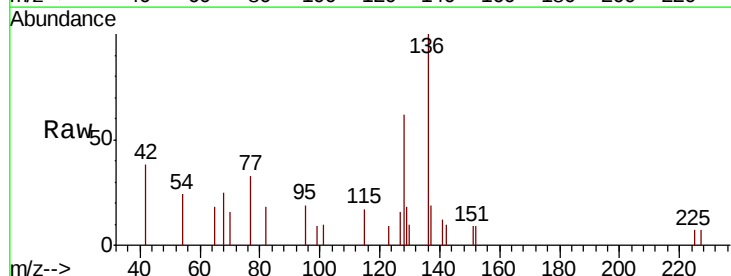
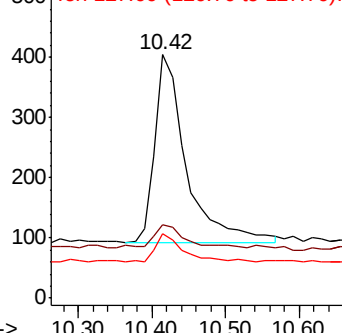
Tgt Ion:	128	Resp:	922
Ion Ratio	Lower	Upper	
128	100		
129	30.0	9.6	14.4#
127	26.5	11.0	16.4#

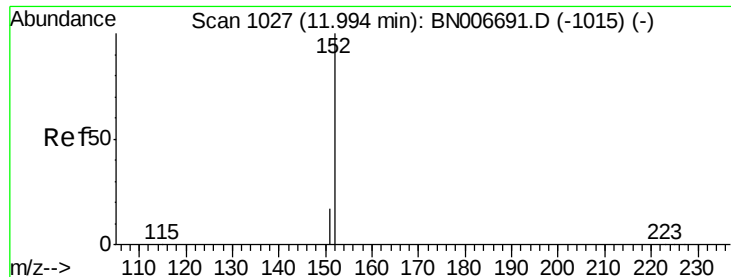
Abundance

Ion 128.00 (127.70 to 128.70): BNC

Ion 129.00 (128.70 to 129.70): BNC

Ion 127.00 (126.70 to 127.70): BNC





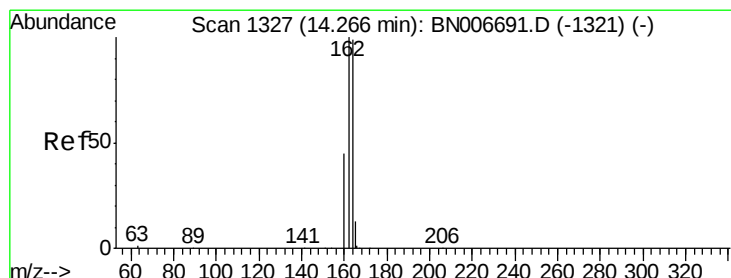
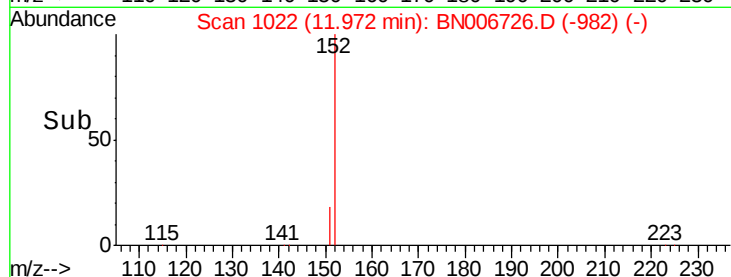
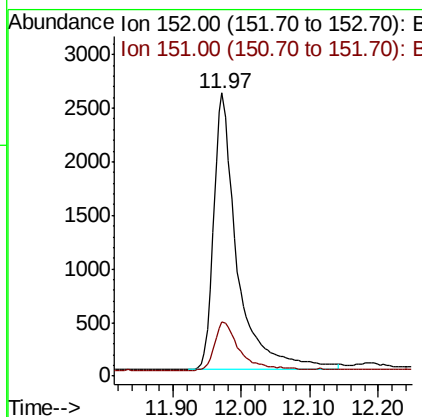
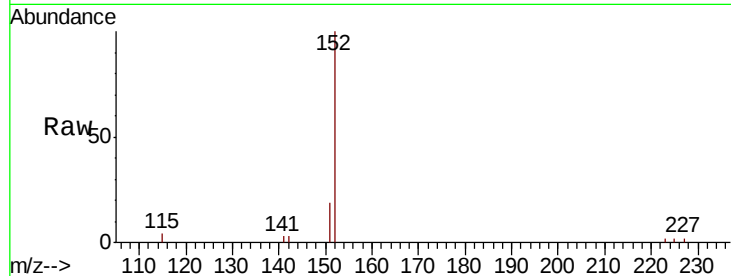
#11
2-Methylnaphthalene-d10
Concen: 0.387 ng
RT: 11.97 min Scan# 1022
Delta R.T. -0.02 min
Lab File: BN006726.D
Acq: 05 Jul 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-015-B053-062519

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.7	14.9	22.3

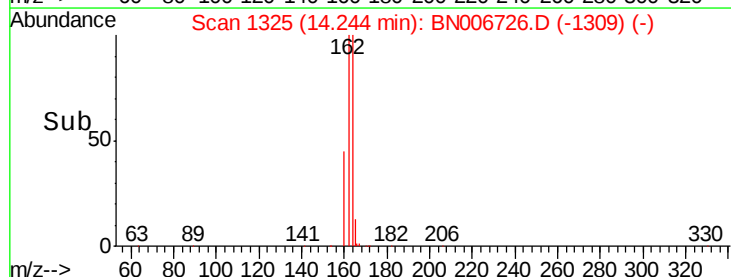
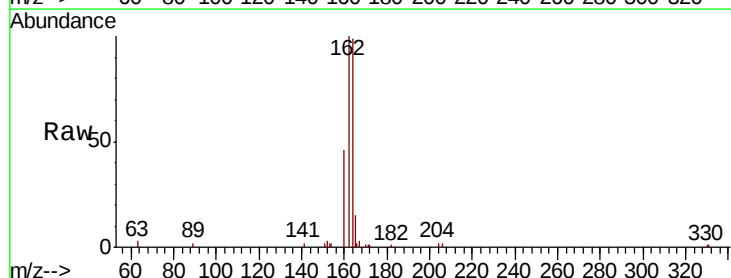
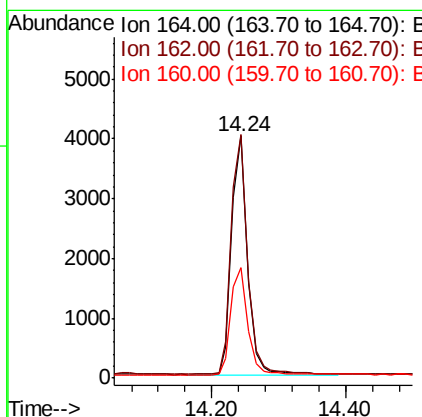
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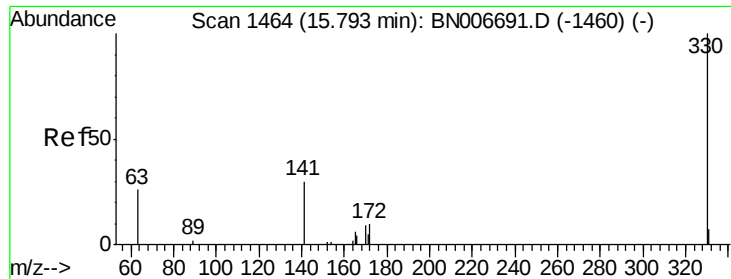
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN006726.D
Acq: 05 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.8	121.2
160	46.0	37.0	55.6





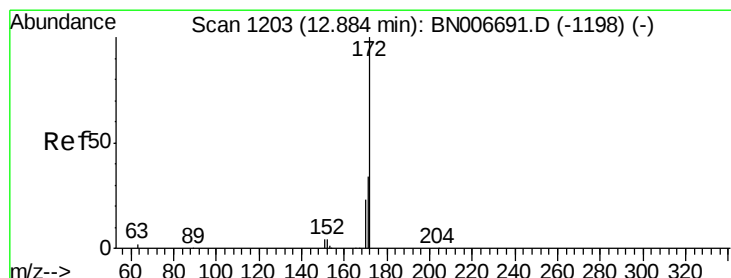
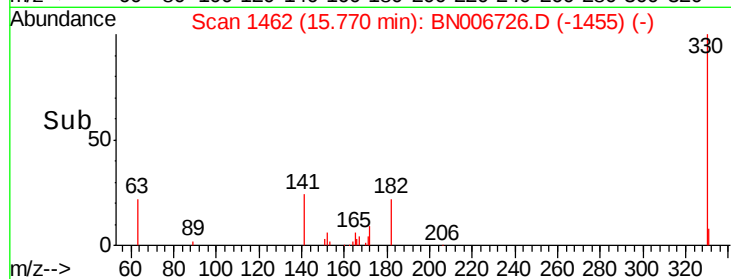
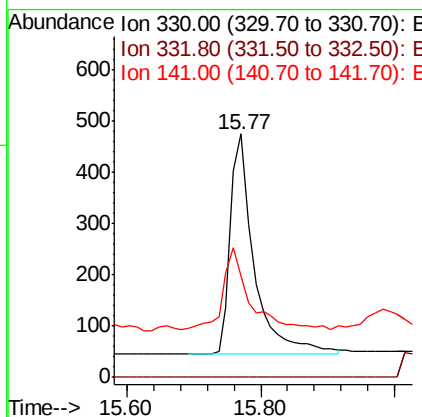
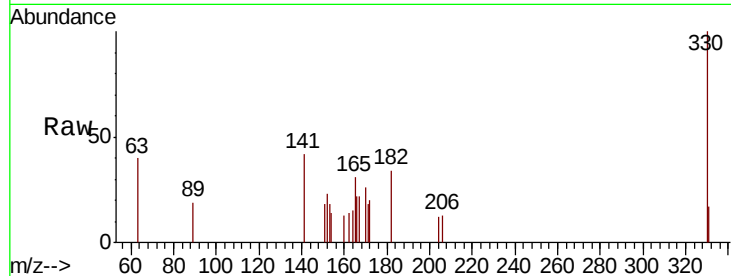
#14
2,4,6-Tribromophenol
Concen: 0.331 ng
RT: 15.77 min Scan# 1462
Delta R.T. -0.02 min
Lab File: BN006726.D
Acq: 05 Jul 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-015-B053-062519

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	39.4	24.8	37.2

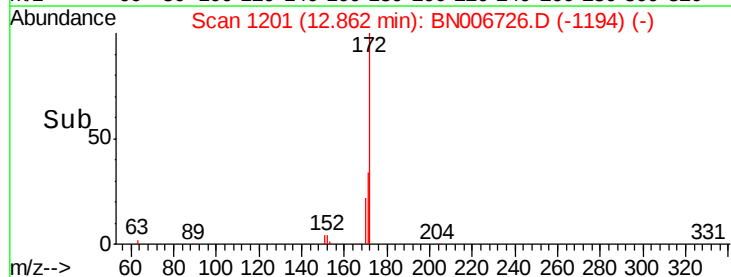
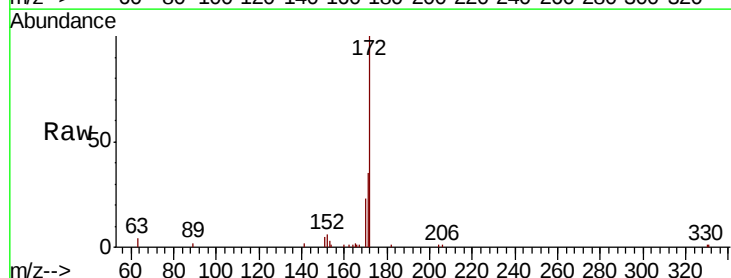
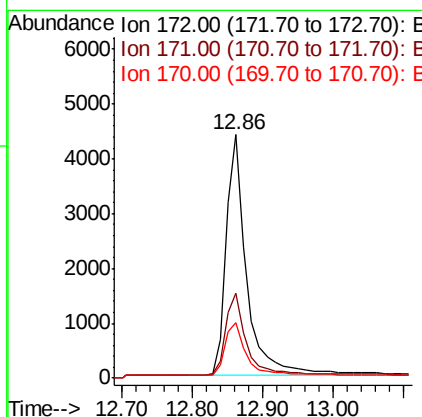
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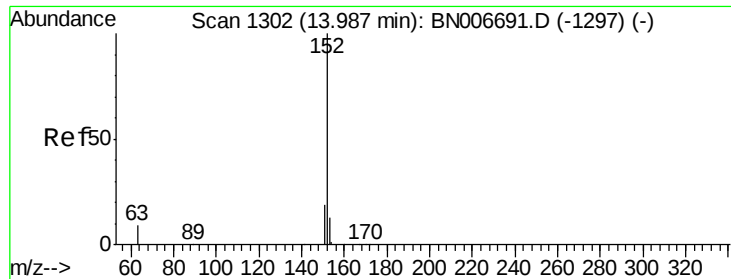
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#15
2-Fluorobiphenyl
Concen: 0.356 ng
RT: 12.86 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BN006726.D
Acq: 05 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	23.0	18.9	28.3





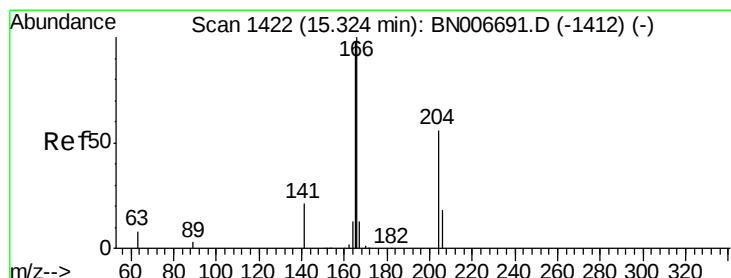
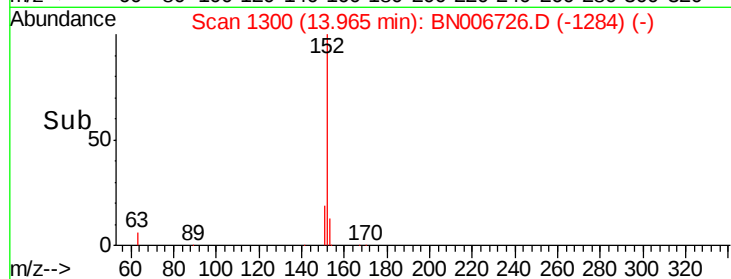
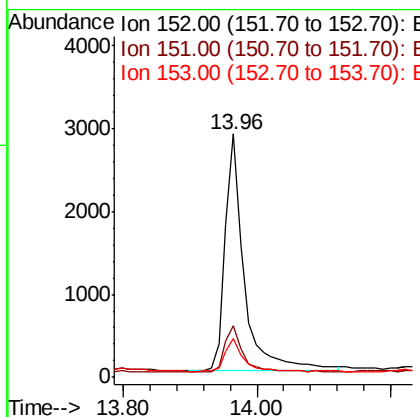
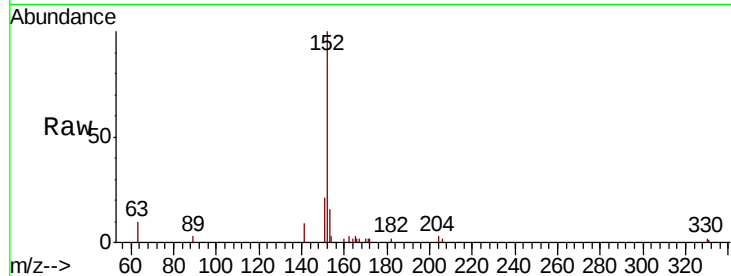
#16
Acenaphthylene
Concen: 0.174 ng
RT: 13.96 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BN006726.D
Acq: 05 Jul 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-015-B053-062519

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.0	10.6	15.8

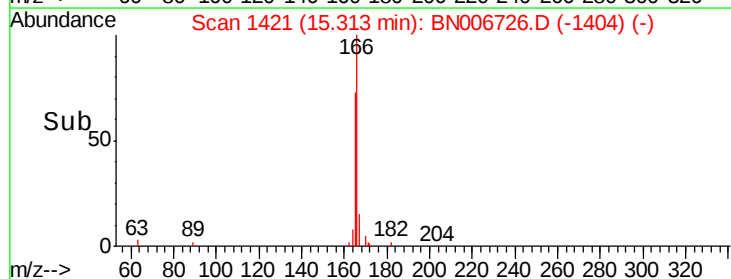
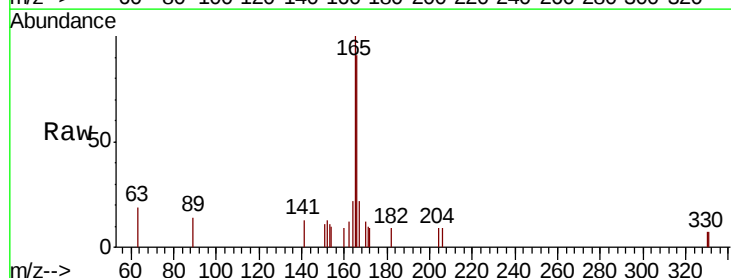
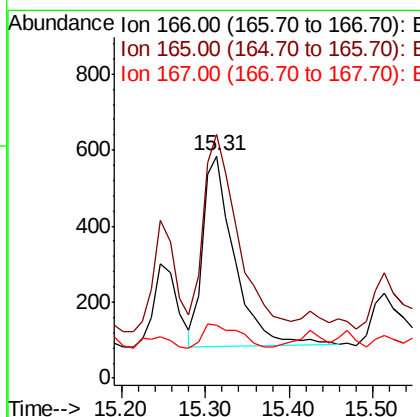
Manual Integrations
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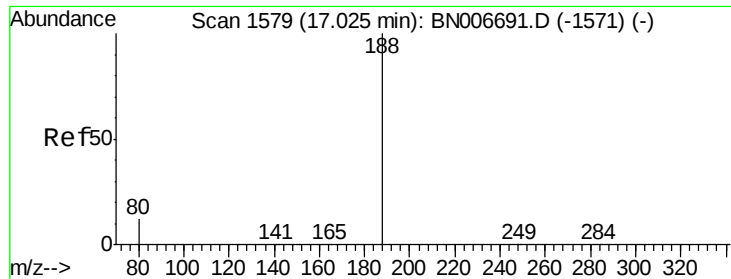
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#18
Fluorene
Concen: 0.051 ng
RT: 15.31 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BN006726.D
Acq: 05 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.4	78.0	117.0
167	15.0	10.7	16.1





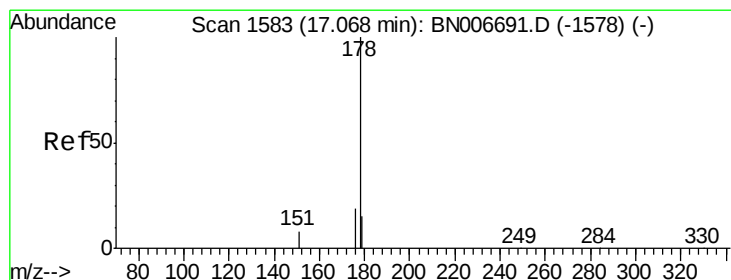
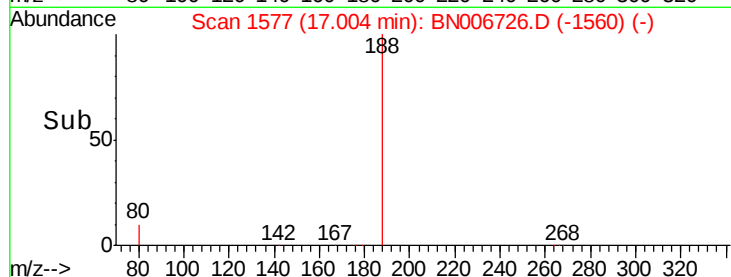
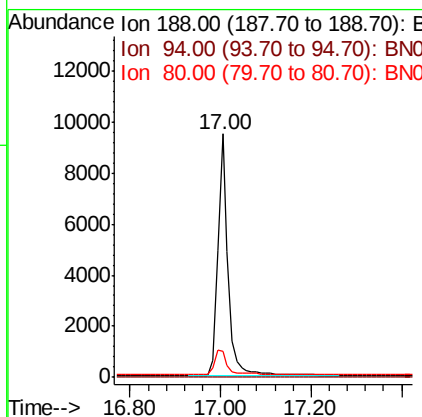
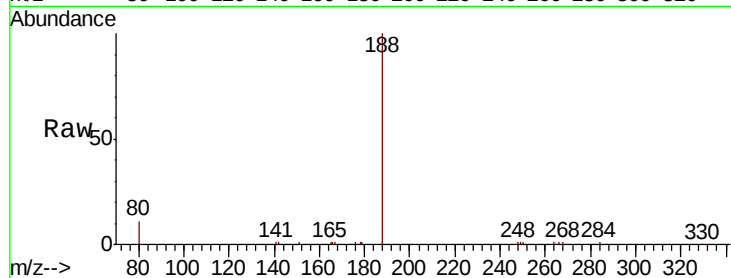
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.00 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BN006726.D
Acq: 05 Jul 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-015-B053-062519

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.9	10.3	15.5

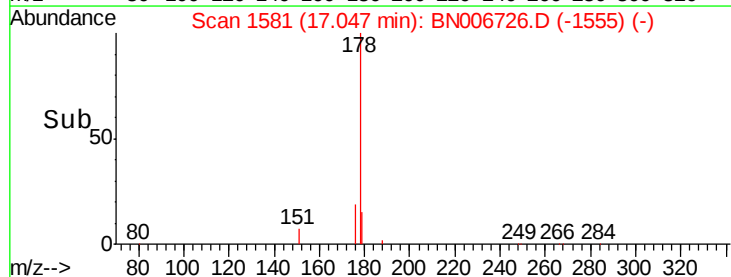
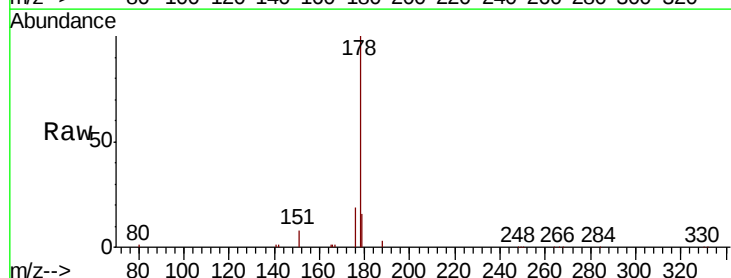
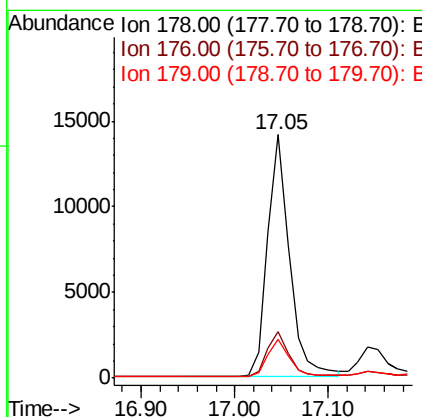
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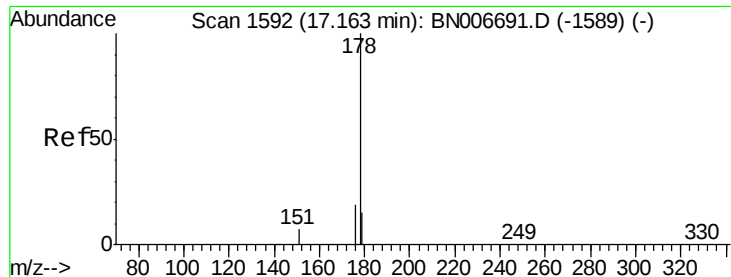
mohammad
7/10/2019 8:27:01 AM



#23
Phenanthrene
Concen: 0.528 ng
RT: 17.05 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BN006726.D
Acq: 05 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.9	12.4	18.6





#24

Anthracene

Concen: 0.089 ng

RT: 17.14 min Scan# 1590

Delta R.T. -0.02 min

Lab File: BN006726.D

Acq: 05 Jul 2019 21:10

Instrument :

BNA_N

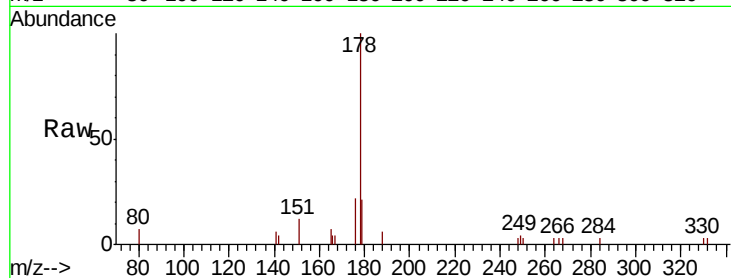
ClientSampleId :

PST-015-B053-062519

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.5	14.8	22.2
179	8.7	11.9	17.9

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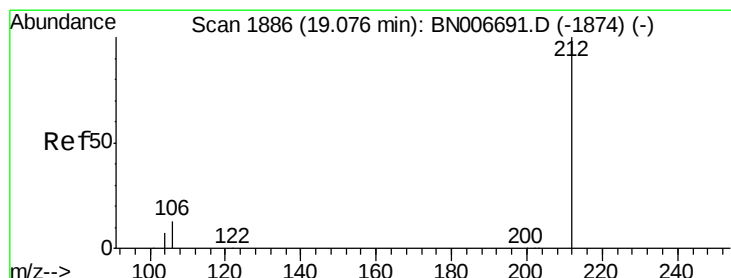
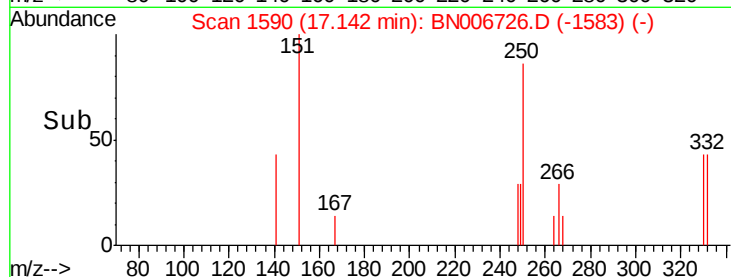
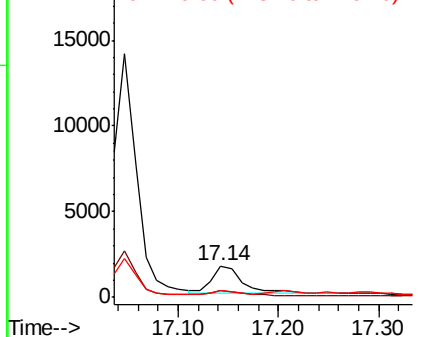
mohammad
7/10/2019 8:27:01 AM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.362 ng

RT: 19.05 min Scan# 1881

Delta R.T. -0.02 min

Lab File: BN006726.D

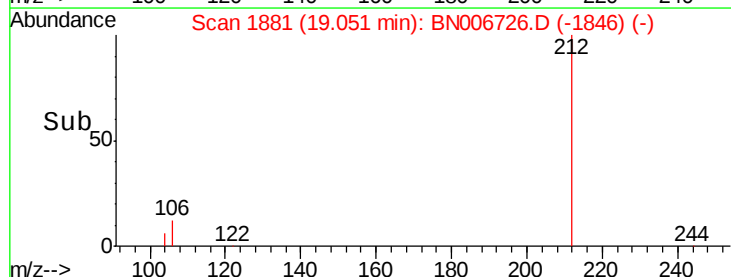
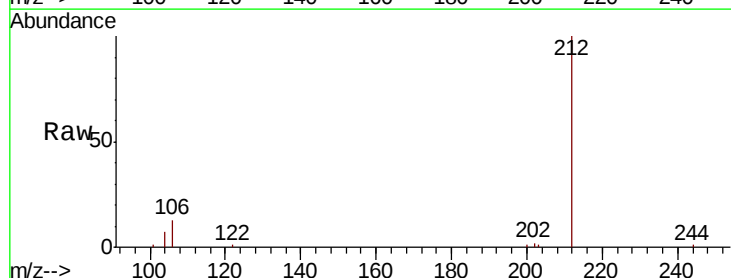
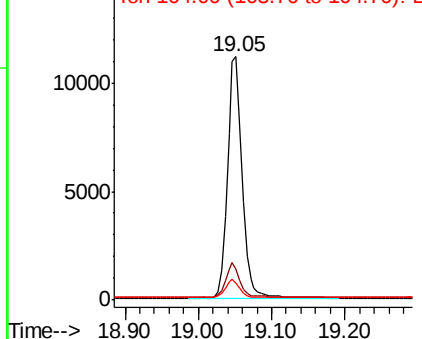
Acq: 05 Jul 2019 21:10

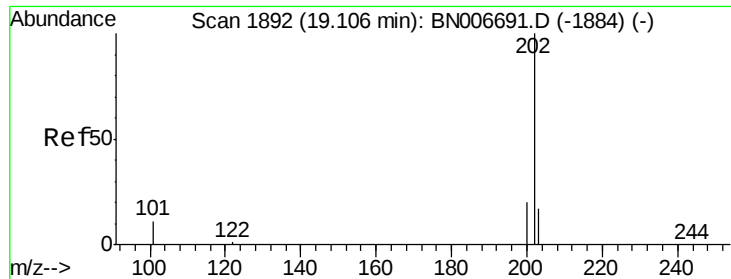
Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.2	11.0	16.6
104	7.3	6.1	9.1

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





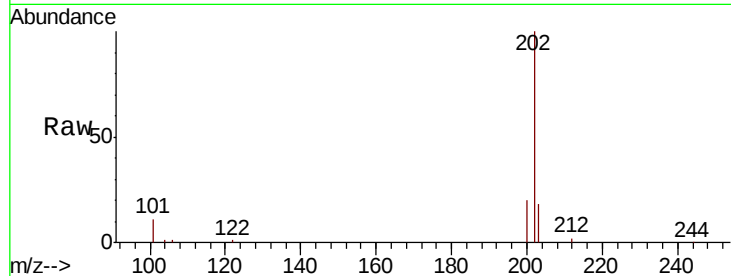
#26
 Fluoranthene
 Concen: 0.546 ng
 RT: 19.08 min Scan# 1887
 Delta R.T. -0.02 min
 Lab File: BN006726.D
 Acq: 05 Jul 2019 21:10

Instrument :
 BNA_N
 ClientSampleId :
 PST-015-B053-062519

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.3	8.7	13.1
203	17.7	13.8	20.6

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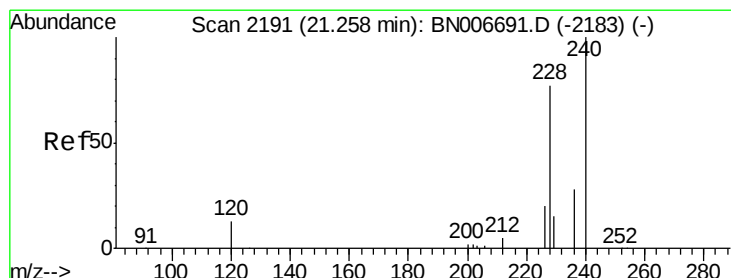
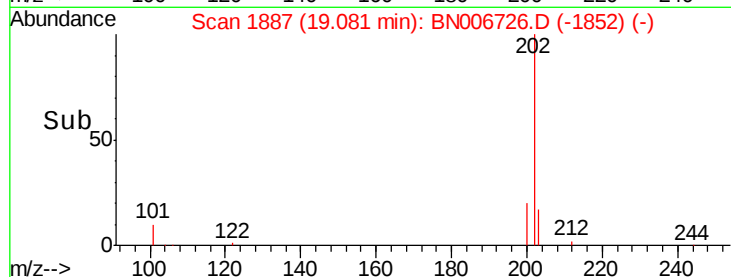
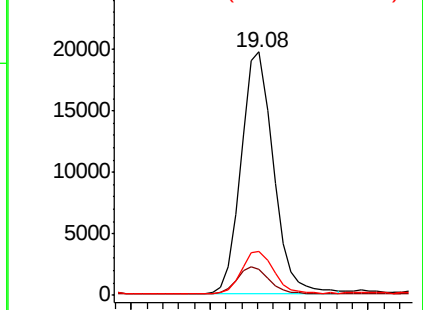


Abundance

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: BN006726.D
 Acq: 05 Jul 2019 21:10

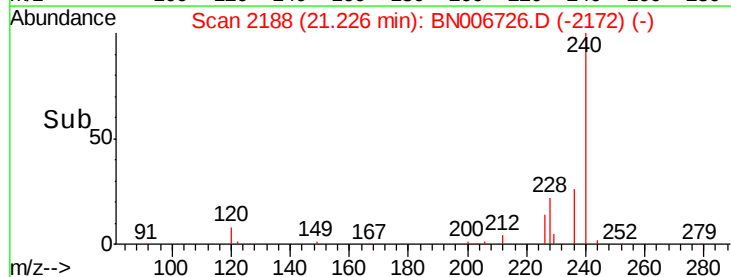
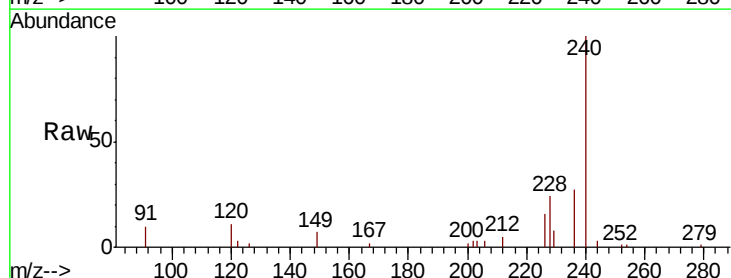
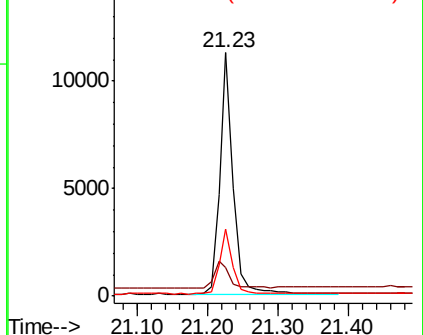
Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.5	12.9	19.3#
236	27.3	23.2	34.8

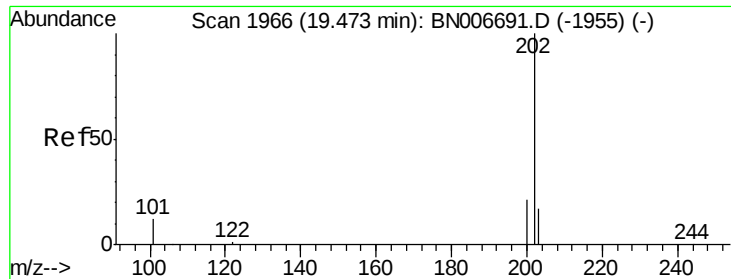
Abundance

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





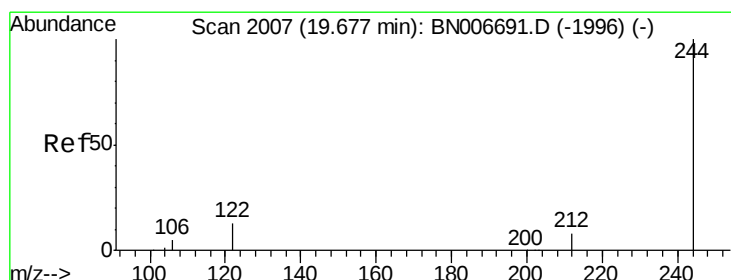
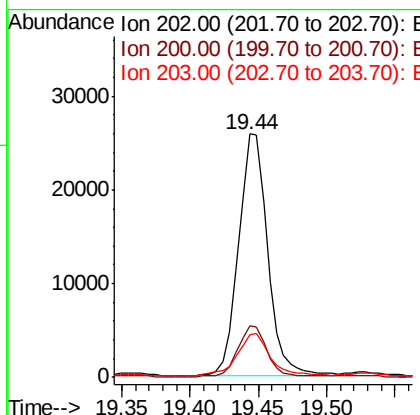
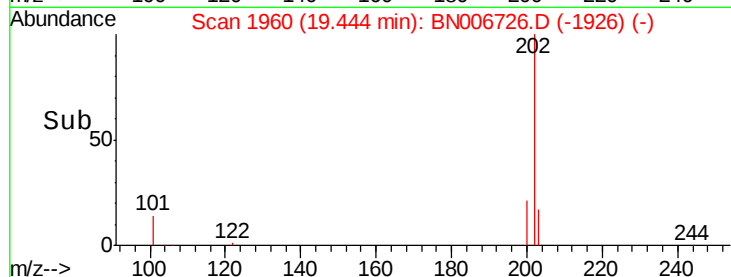
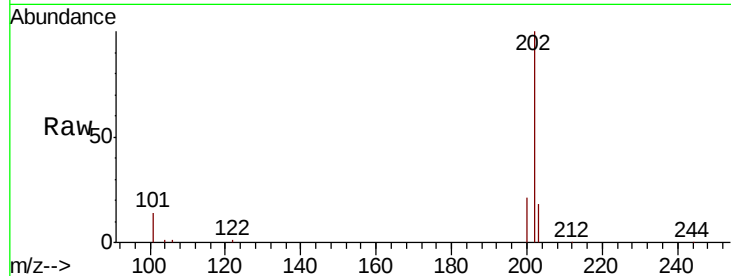
#28
Pvrene
Concen: 0.635 ng
RT: 19.44 min Scan# 1960
Delta R.T. -0.03 min
Lab File: BN006726.D
Acq: 05 Jul 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-015-B053-062519

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	16.8	25.2
203	19.6	14.2	21.2

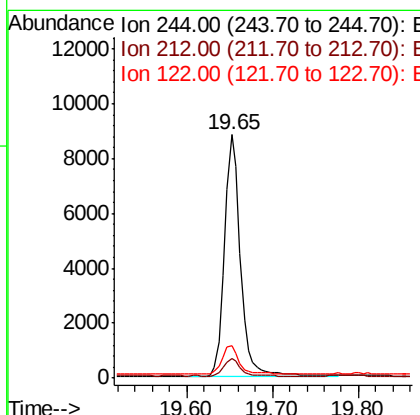
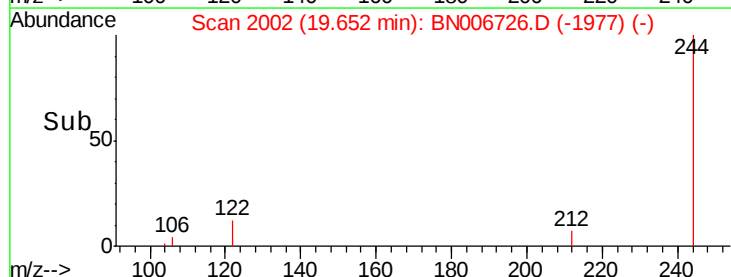
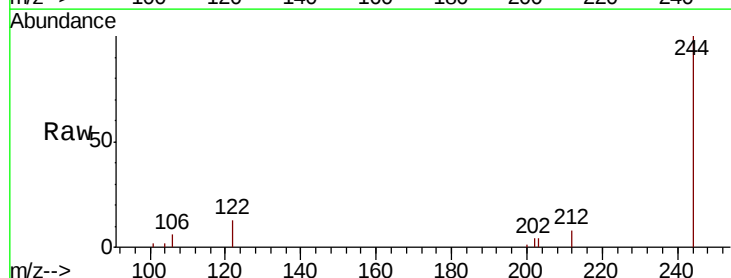
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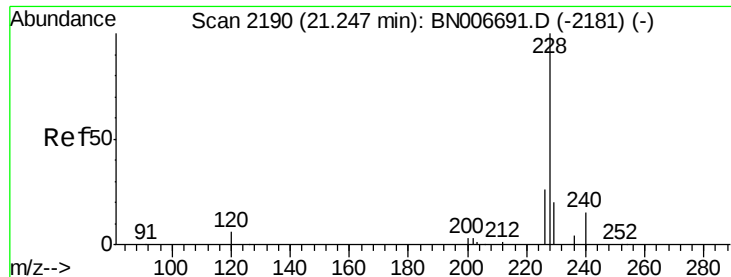
mohammad
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#29
Terphenyl-d14
Concen: 0.335 ng
RT: 19.65 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BN006726.D
Acq: 05 Jul 2019 21:10

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.2	7.0	10.4
122	13.2	11.5	17.3





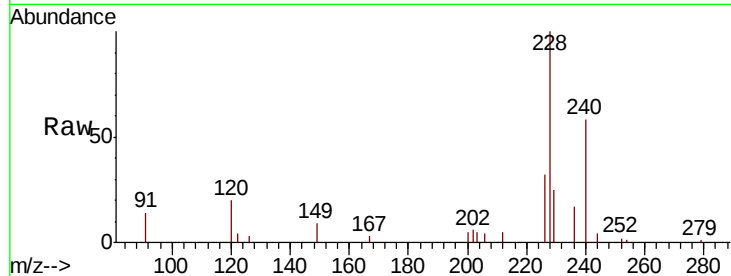
#30
Benzo(a)anthracene
Concen: 0.251 ng
RT: 21.22 min Scan# 2187
Delta R.T. -0.03 min
Lab File: BN006726.D
Acq: 05 Jul 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-015-B053-062519

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.4	21.5	32.3#
229	25.1	16.2	24.4#

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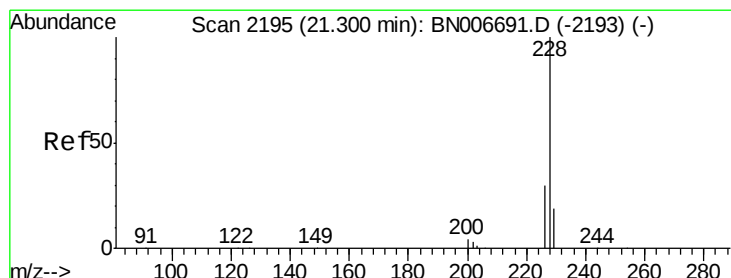
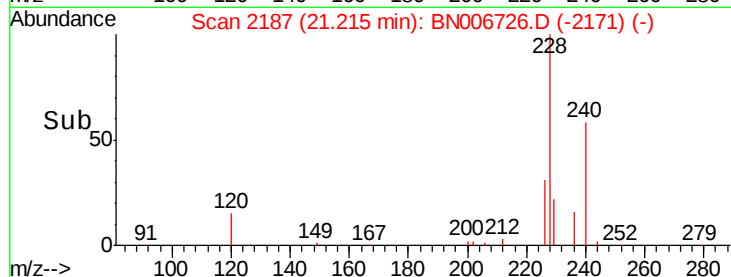
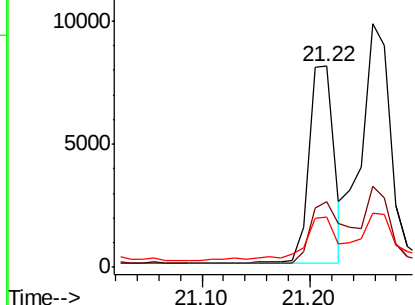


Abundance

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



#31
Chrysene
Concen: 0.336 ng m
RT: 21.26 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BN006726.D
Acq: 05 Jul 2019 21:10

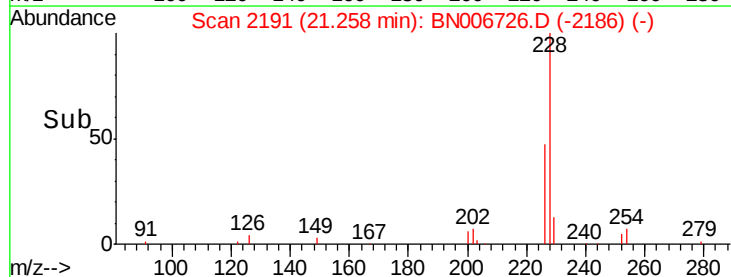
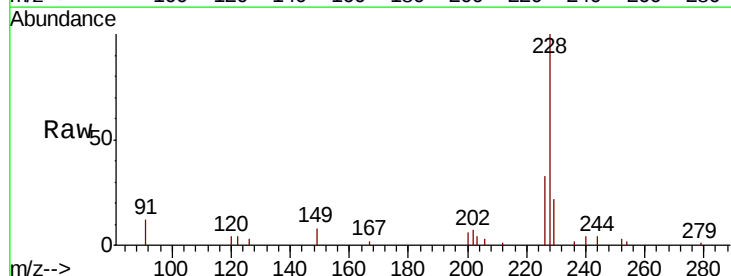
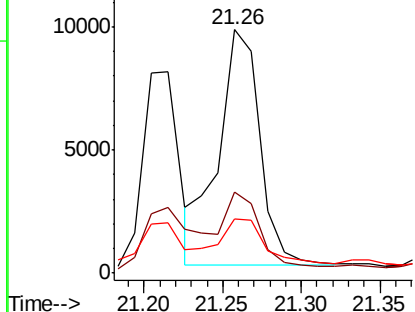
Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.2	36.2
229	22.5	15.8	23.6

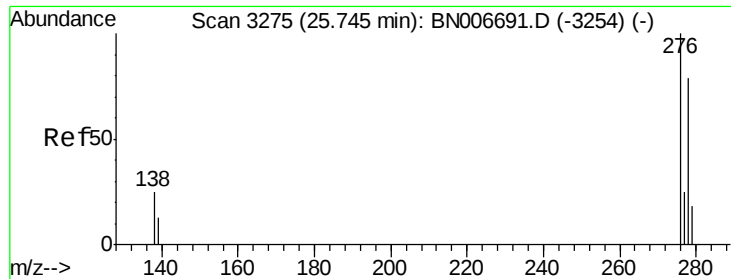
Abundance

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





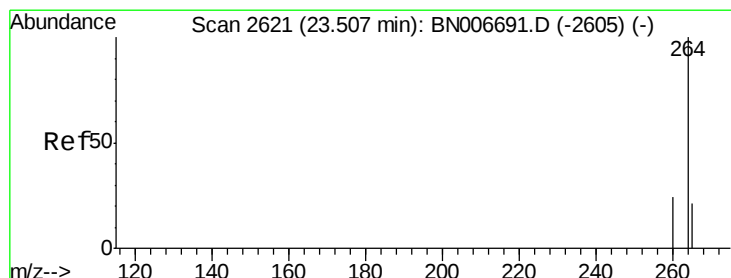
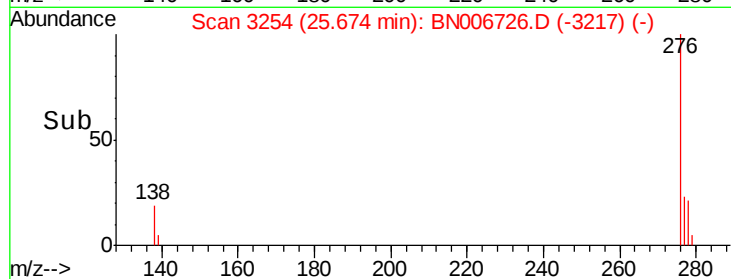
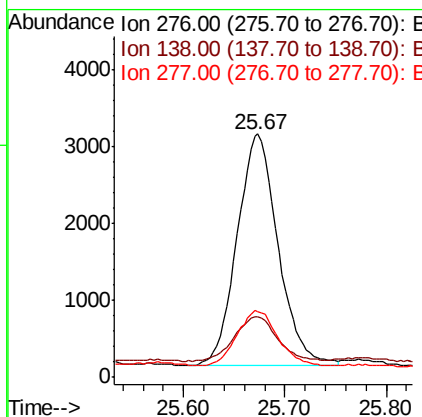
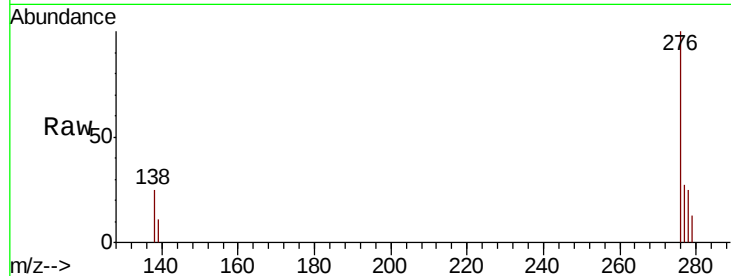
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.133 ng
RT: 25.67 min Scan# 3254
Delta R.T. -0.07 min
Lab File: BN006726.D
Acq: 05 Jul 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-015-B053-062519

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	19.5	29.3
277	23.5	19.7	29.5

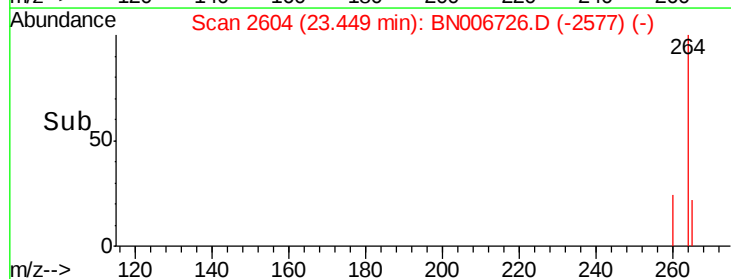
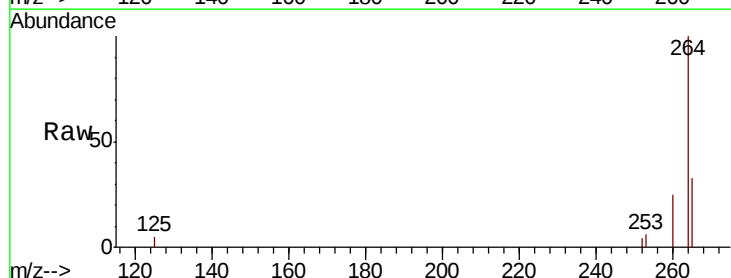
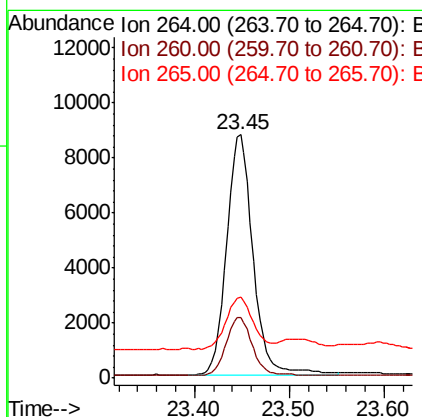
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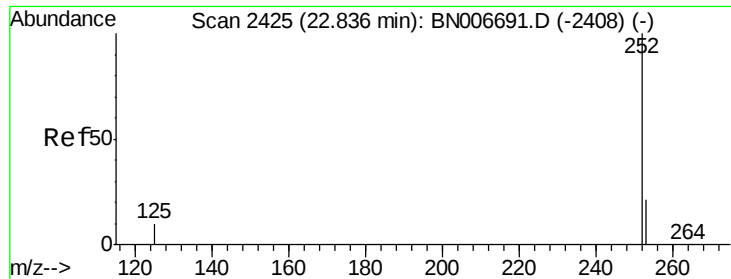
mohammad
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.45 min Scan# 2604
Delta R.T. -0.06 min
Lab File: BN006726.D
Acq: 05 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.2	30.2
265	33.2	33.7	50.5#





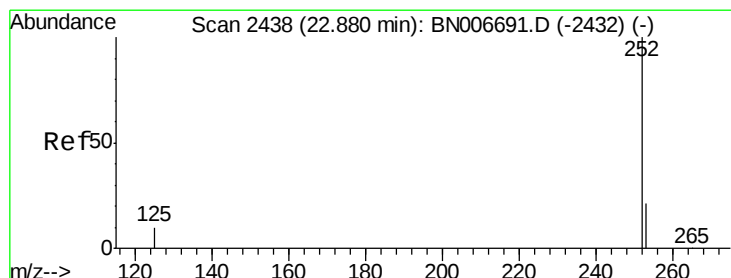
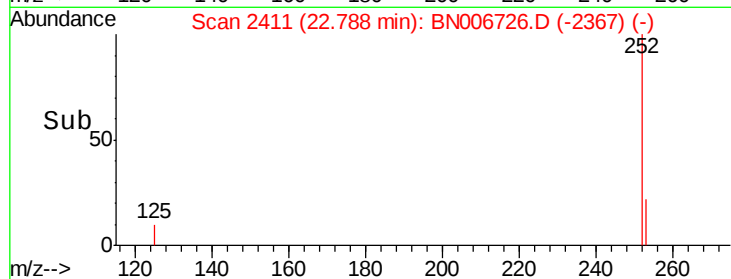
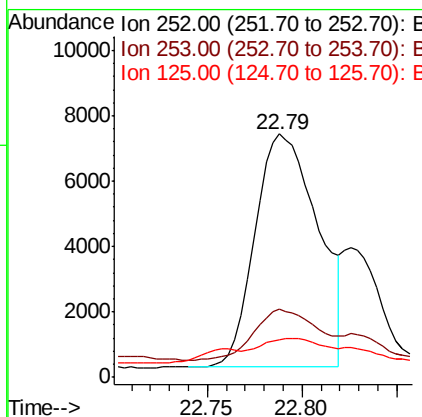
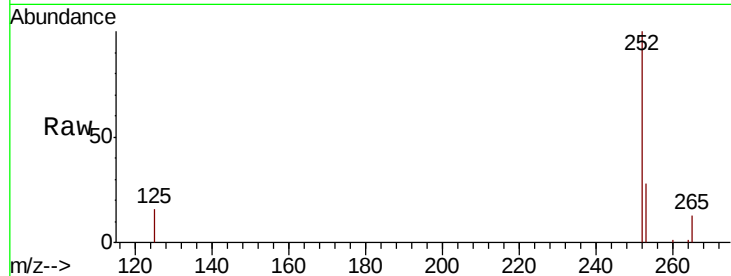
#35
Benzo(b)fluoranthene
Concen: 0.303 ng
RT: 22.79 min Scan# 2411
Delta R.T. -0.05 min
Lab File: BN006726.D
Acq: 05 Jul 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-015-B053-062519

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.1	20.2	30.2
125	15.6	11.5	17.3

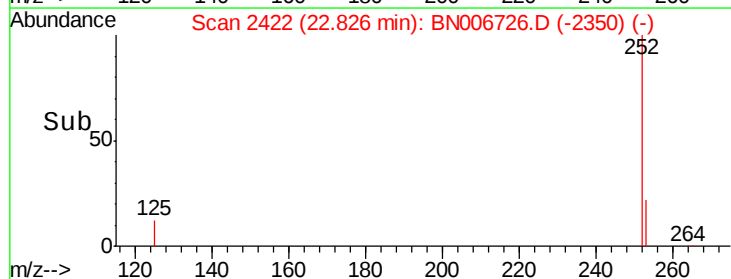
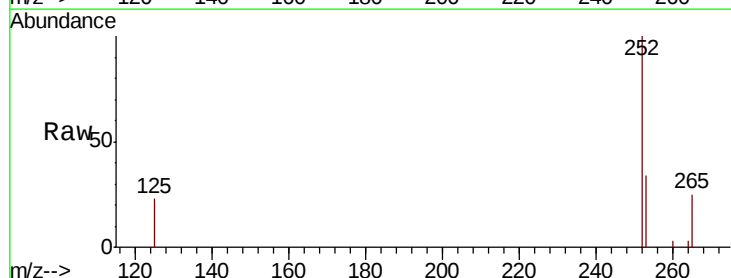
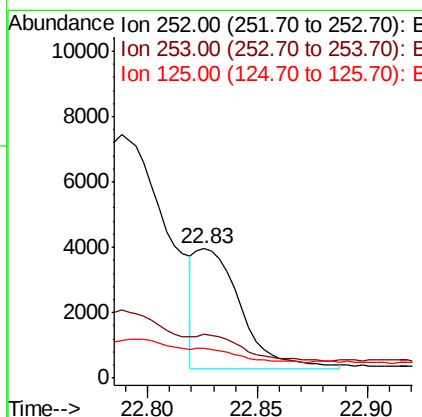
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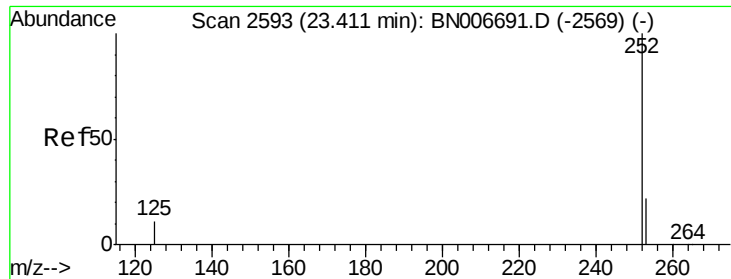
mohammad
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#36
Benzo(k)fluoranthene
Concen: 0.090 ng m
RT: 22.83 min Scan# 2422
Delta R.T. -0.05 min
Lab File: BN006726.D
Acq: 05 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.5	20.1	30.1#
125	22.6	11.4	17.0#





#37

Benzo(a)pyrene

Concen: 0.248 ng

RT: 23.35 min Scan# 2576

Delta R.T. -0.06 min

Lab File: BN006726.D

Acq: 05 Jul 2019 21:10

Instrument :

BNA_N

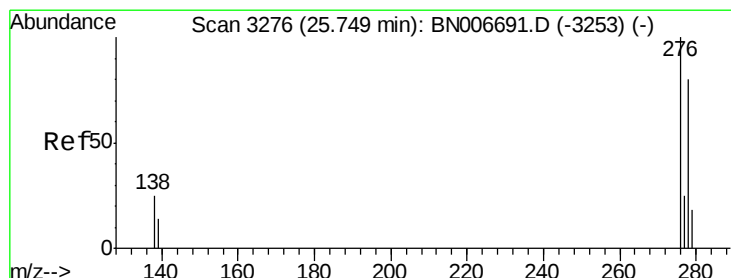
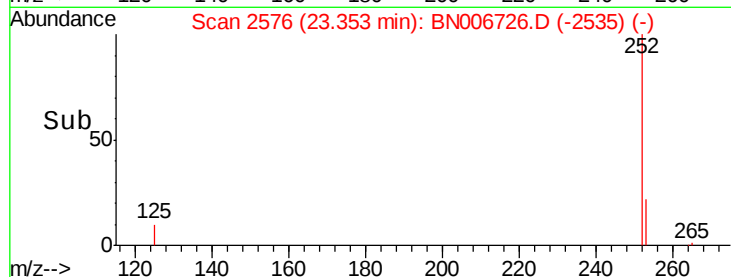
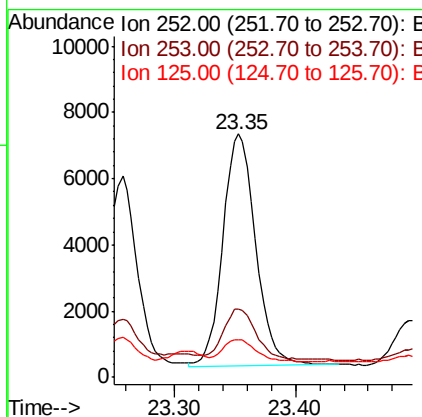
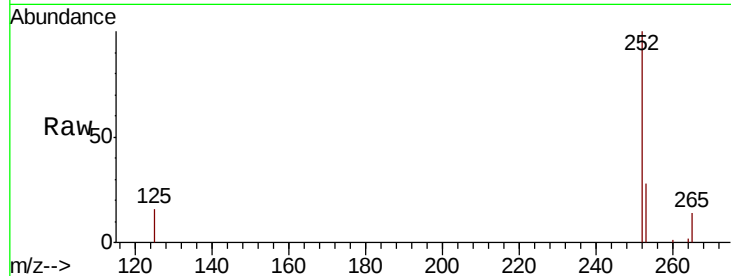
ClientSampleId :

PST-015-B053-062519

Tot Ion:	252	Resp:	13097
Ion Ratio	Lower	Upper	
252	100		
253	28.2	21.4	32.2
125	15.6	13.3	19.9

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#38

Dibenzo(a,h)anthracene

Concen: 0.045 ng

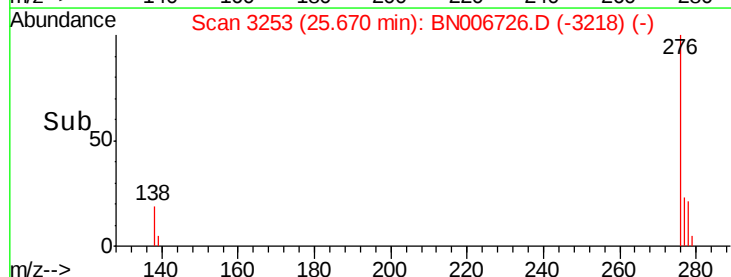
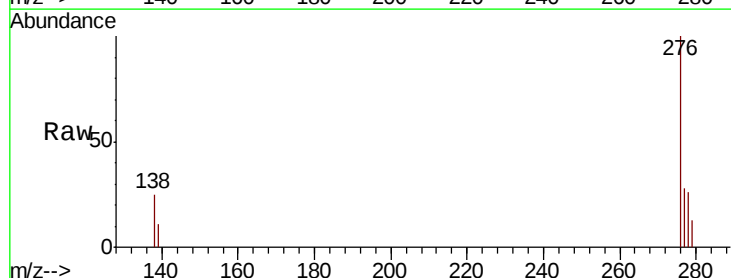
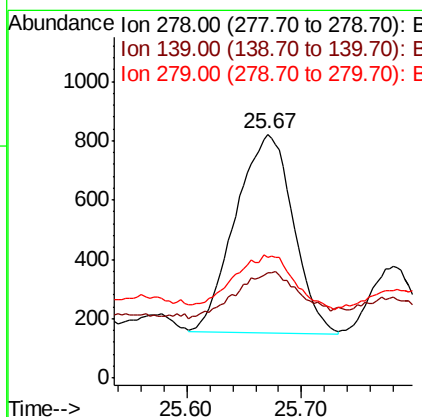
RT: 25.67 min Scan# 3253

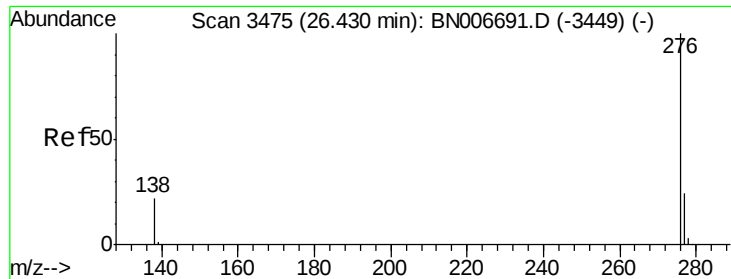
Delta R.T. -0.08 min

Lab File: BN006726.D

Acq: 05 Jul 2019 21:10

Tgt Ion:	278	Resp:	2344
Ion Ratio	Lower	Upper	
278	100		
139	43.2	16.2	24.4#
279	49.6	20.7	31.1#





#39

Benzo(a,h,i)perylene

Concen: 0.185 ng

RT: 26.35 min Scan# 3451

Delta R.T. -0.08 min

Lab File: BN006726.D

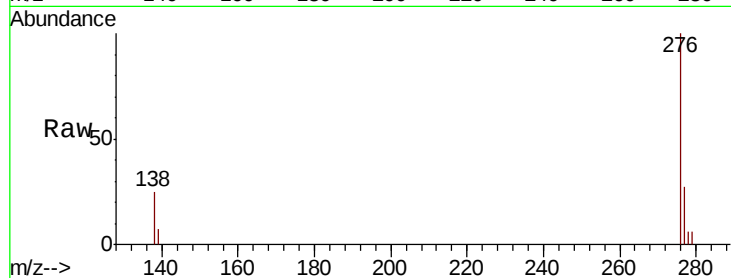
Acq: 05 Jul 2019 21:10

Instrument :

BNA_N

ClientSampleId :

PST-015-B053-062519



Tot Ion: 276 Resp: 9985

Ion Ratio Lower Upper

276 100

277 27.2 20.6 30.8

138 24.6 19.7 29.5

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