

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070819\
 Data File : BN006758.D
 Acq On : 08 Jul 2019 14:55
 Operator : HP/JU
 Sample : K3558-16RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-B056-062619RE

Manual Integrations
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mohammad
 7/9/2019 8:47:31 AM

Quant Time: Jul 09 05:02:50 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	3539	0.40	ng	-0.02
7) Naphthalene-d8	10.38	136	14418	0.40	ng	-0.01
13) Acenaphthene-d10	14.24	164	8490	0.40	ng	-0.02
19) Phenanthrene-d10	17.00	188	19385	0.40	ng	-0.02
27) Chrysene-d12	21.24	240	18981	0.40	ng	-0.02
34) Perylene-d12	23.47	264	21159	0.40	ng	-0.04
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	710	0.07	ng	0.02
5) Phenol-d6	6.86	99	858	0.07	ng	0.02
8) Nitrobenzene-d5	8.82	82	767	0.07	ng	0.03
11) 2-Methylnaphthalene-d10	11.99	152	1959	0.09	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	335	0.08	ng	-0.01
15) 2-Fluorobiphenyl	12.87	172	2686	0.08	ng	-0.01
25) Fluoranthene-d10	19.06	212	4611	0.08	ng	-0.02
29) Terphenyl-d14	19.66	244	3328	0.08	ng	-0.01
Target Compounds						
16) Acenaphthylene	13.96	152	1666	0.039	ng	Qvalue 99
23) Phenanthrene	17.06	178	9052	0.162	ng	99
24) Anthracene	17.15	178	1340	0.027	ng	# 94
26) Fluoranthene	19.09	202	12428	0.189	ng	99
28) Pyrene	19.45	202	18861	0.248	ng	98
30) Benzo(a)anthracene	21.23	228	7225m	0.110	ng	
31) Chrysene	21.28	228	9131	0.135	ng	95
33) Indeno(1,2,3-cd)pyrene	25.70	276	4552	0.056	ng	# 92
35) Benzo(b)fluoranthene	22.81	252	8976	0.132	ng	# 92
36) Benzo(k)fluoranthene	22.85	252	3114m	0.042	ng	
37) Benzo(a)pyrene	23.37	252	6404	0.097	ng	93
39) Benzo(a,h,i)perylene	26.38	276	5320	0.079	ng	97

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

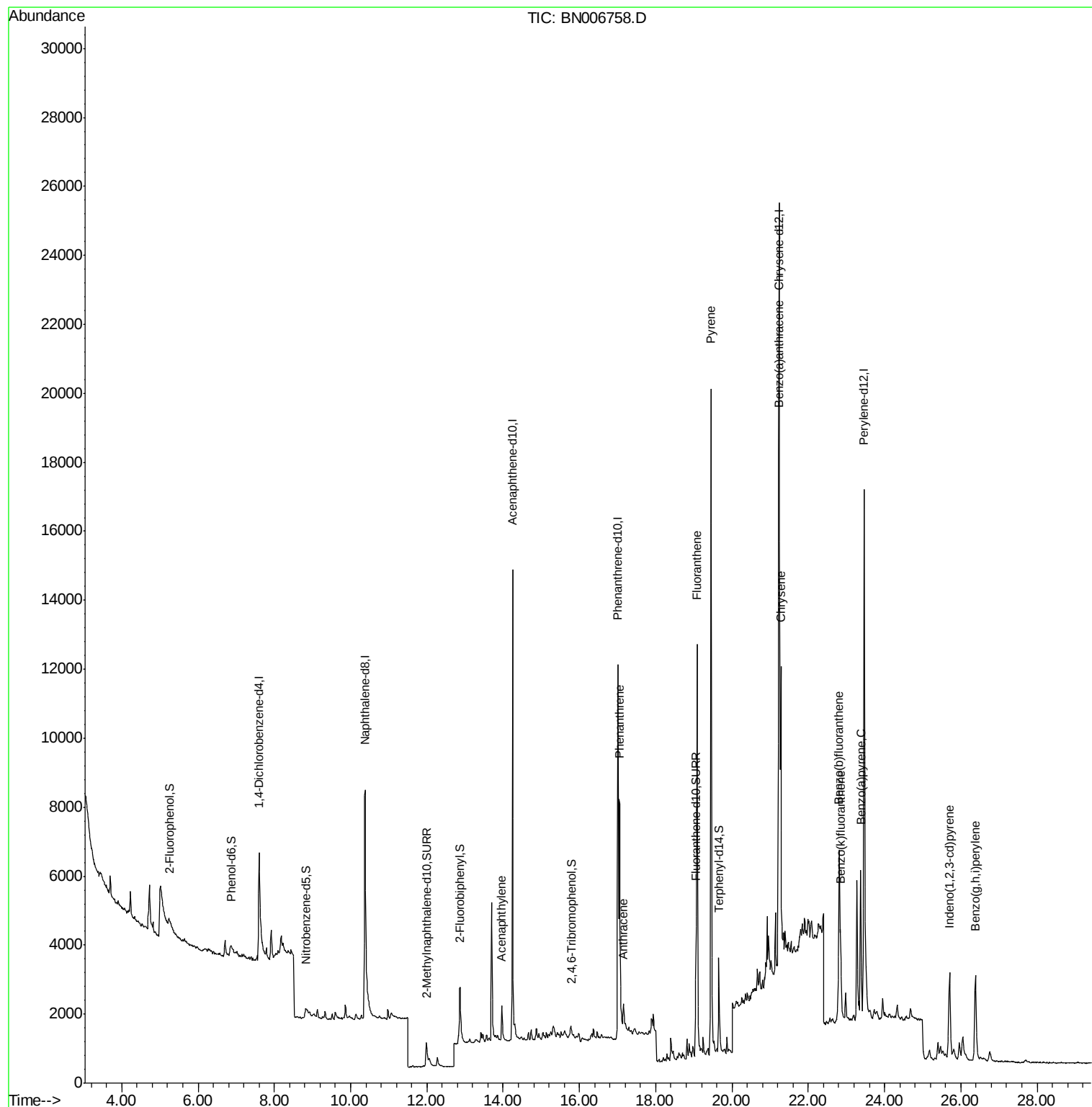
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070819\
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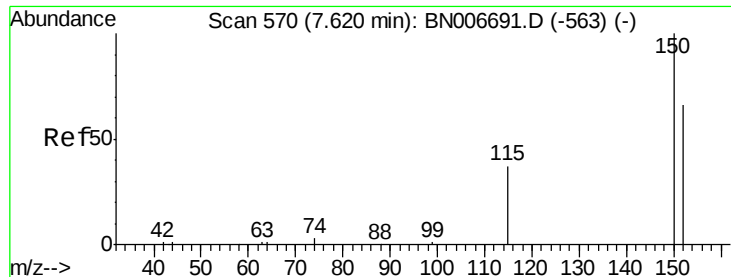
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 05 05:30:28 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.60 min Scan# 568

Delta R.T. -0.02 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

Instrument :

BNA_N

ClientSampleId :

PST-016-B056-062619RE

Tot Ion:152 Resp: 3539

Ion Ratio Lower Upper

152 100

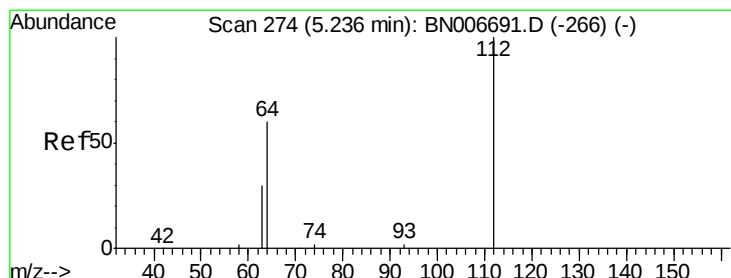
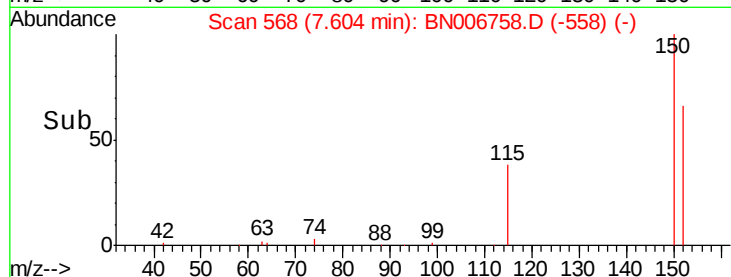
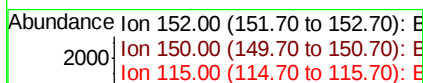
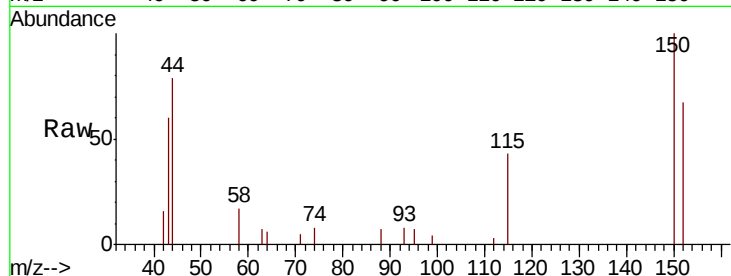
150 148.3 120.6 181.0

115 63.5 51.0 76.6

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#4

2-Fluorophenol

Concen: 0.074 ng

RT: 5.25 min Scan# 276

Delta R.T. 0.02 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

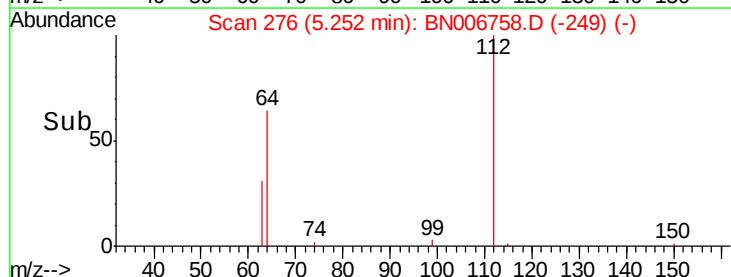
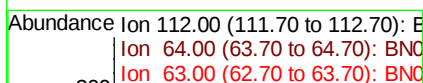
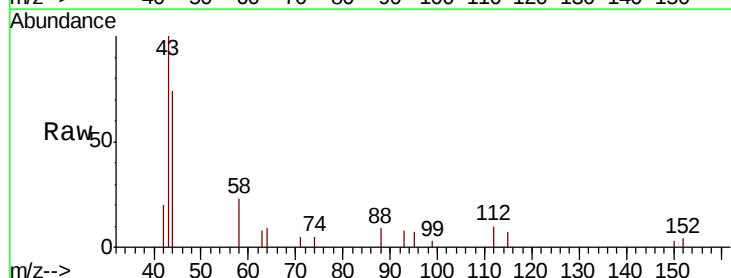
Tgt Ion:112 Resp: 710

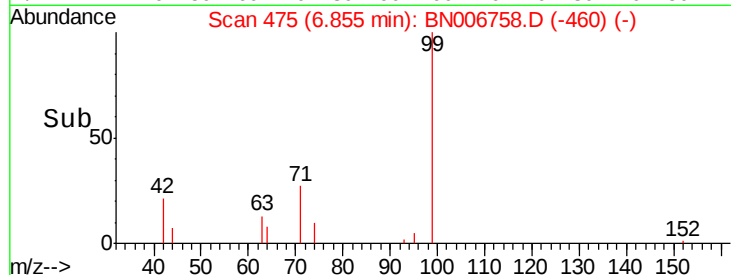
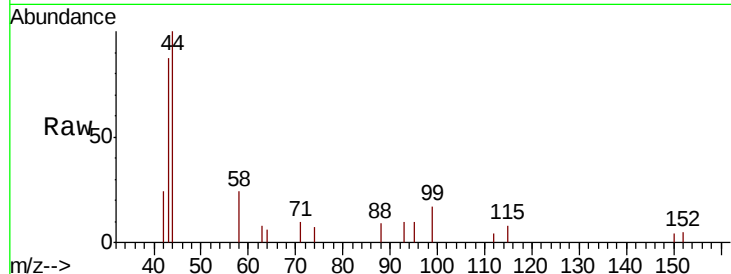
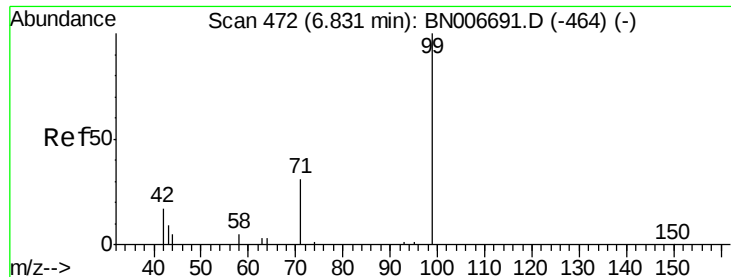
Ion Ratio Lower Upper

112 100

64 68.2 49.8 74.6

63 37.5 25.8 38.6





#5

Phenol-d6

Concen: 0.071 ng

RT: 6.86 min Scan# 475

Delta R.T. 0.02 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

Tot Ion:	99	Resp:	858
Ion	Ratio	Lower	Upper
99	100		
42	12.9	16.6	25.0#
71	36.8	26.0	39.0

Instrument :

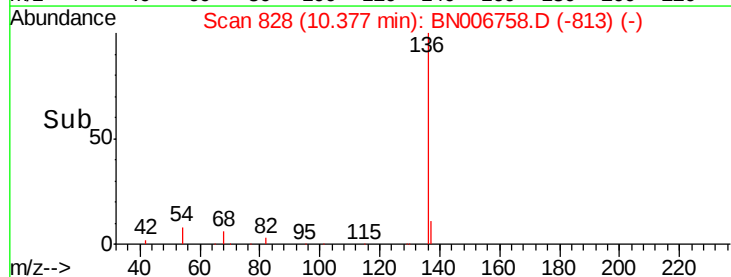
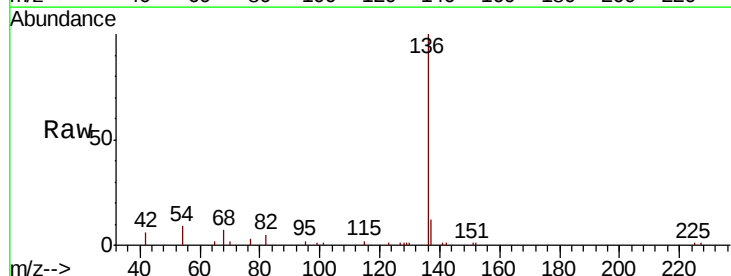
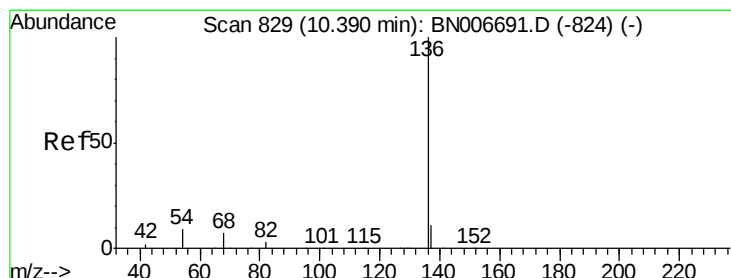
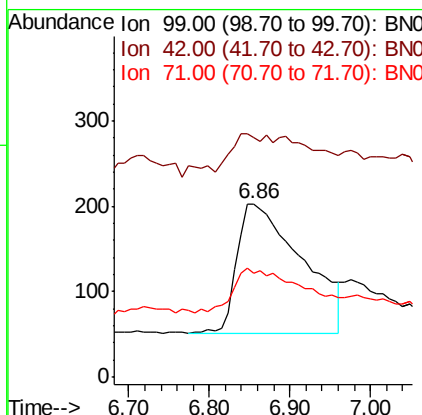
BNA_N

ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.400 ng

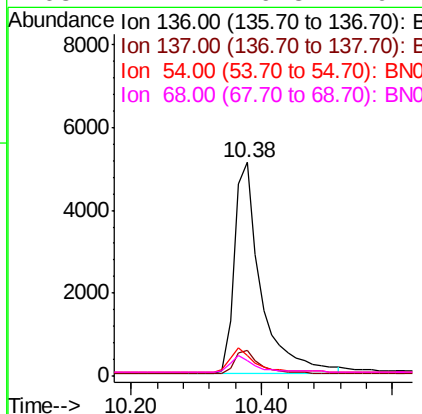
RT: 10.38 min Scan# 828

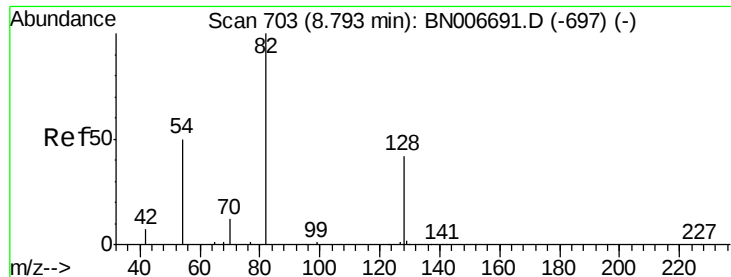
Delta R.T. -0.01 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

Tgt Ion:	136	Resp:	14418
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.3	13.9
54	9.4	8.4	12.6
68	7.4	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.069 ng

RT: 8.82 min Scan# 705

Delta R.T. 0.03 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

Instrument :

BNA_N

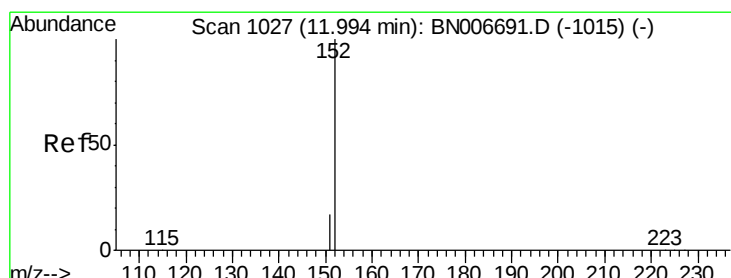
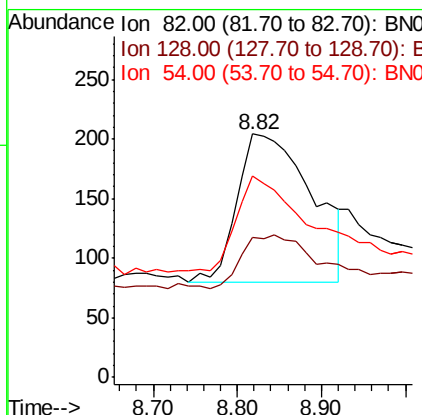
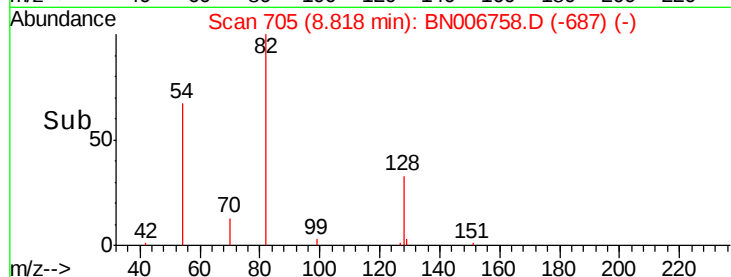
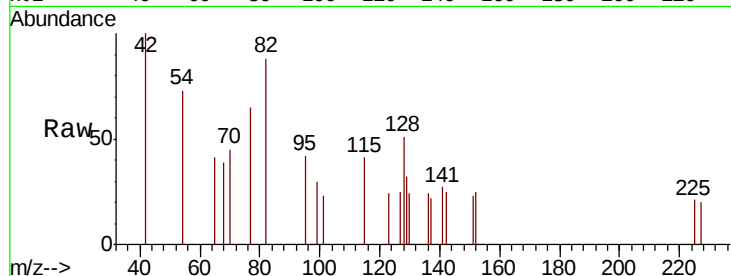
ClientSampleId :

PST-016-B056-062619RE

Tot Ion:	82	Resp:	767
Ion Ratio	Lower	Upper	
82	100		
128	57.8	36.1	54.1#
54	82.8	44.5	66.7#

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#11

2-Methylnaphthalene-d10

Concen: 0.090 ng

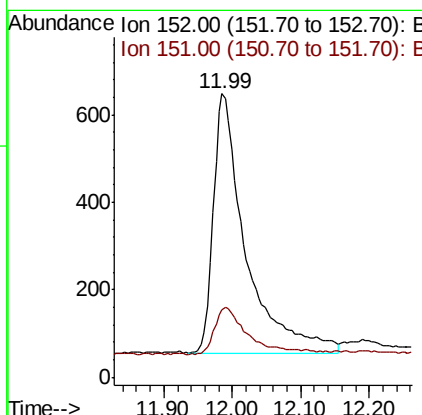
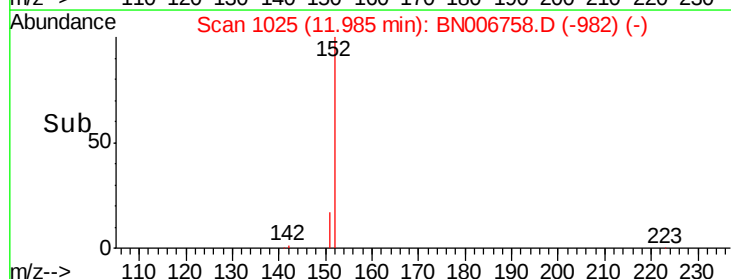
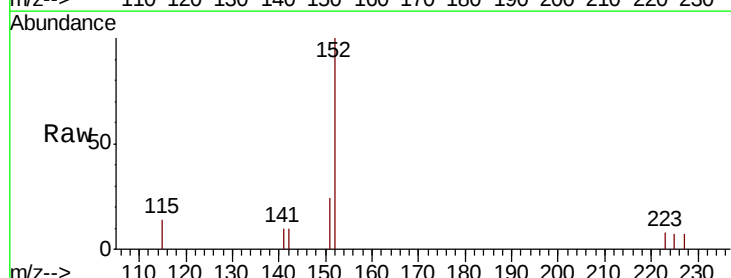
RT: 11.99 min Scan# 1025

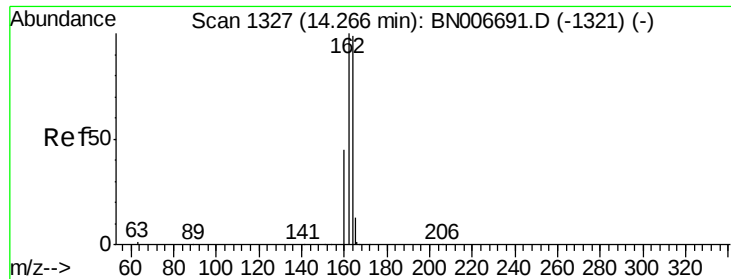
Delta R.T. -0.01 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

Tgt Ion:	152	Resp:	1959
Ion Ratio	Lower	Upper	
152	100		
151	19.4	14.9	22.3





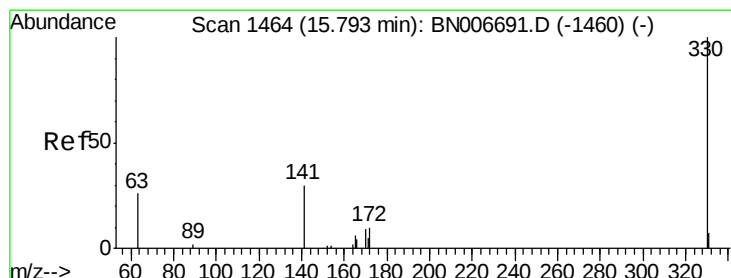
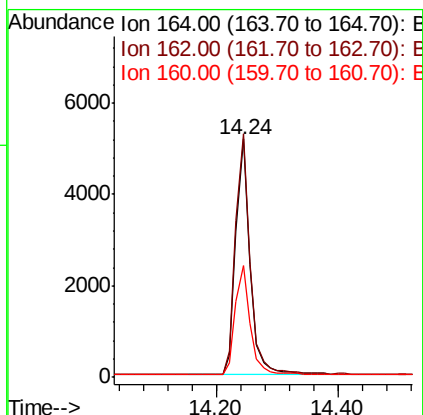
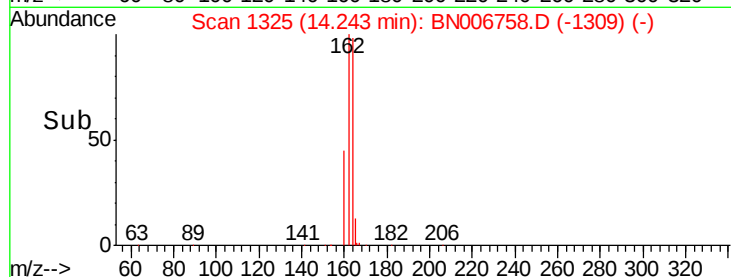
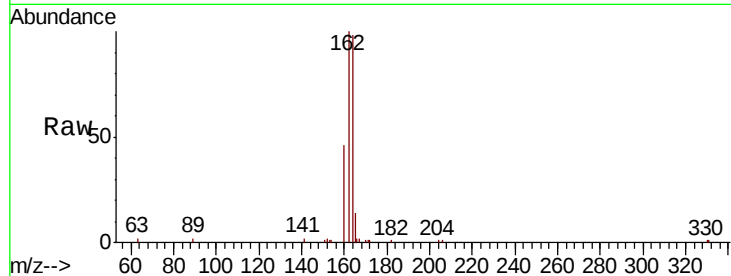
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

Instrument :
BNA_N
ClientSampleId :
PST-016-B056-062619RE

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.8	121.2
160	46.9	37.0	55.6

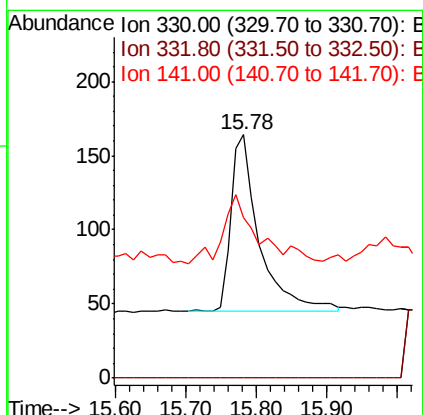
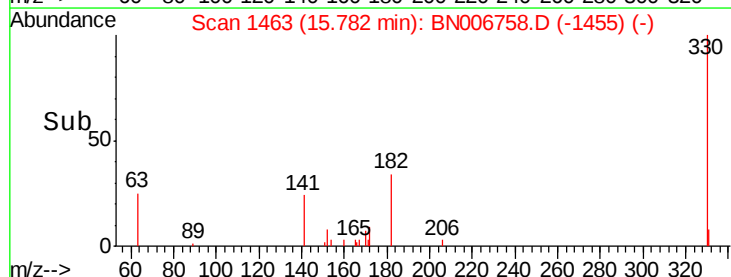
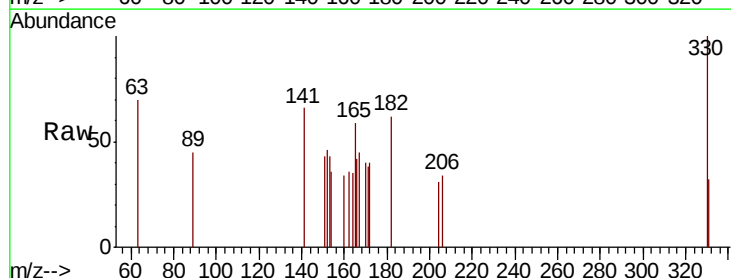
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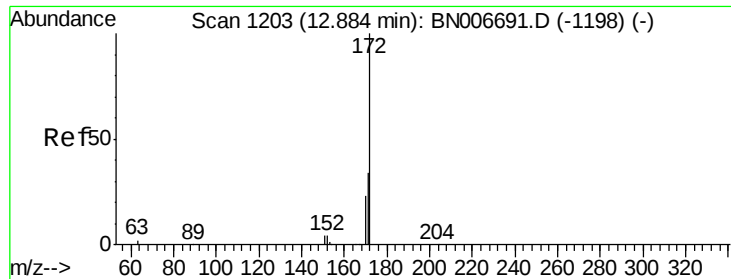
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#14
2,4,6-Tribromophenol
Concen: 0.080 ng
RT: 15.78 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	43.6	24.8	37.2#





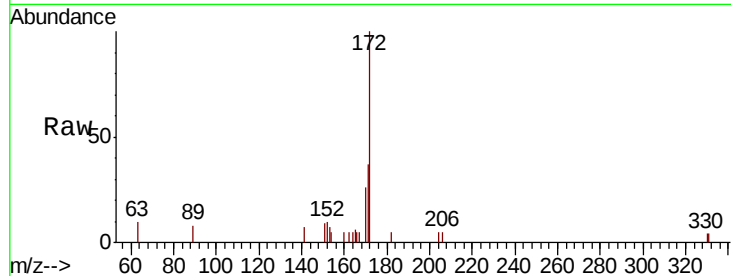
#15
2-Fluorobiphenyl
Concen: 0.081 ng
RT: 12.87 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

Instrument :
BNA_N
ClientSampleId :
PST-016-B056-062619RE

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	27.8	41.6
170	25.9	18.9	28.3

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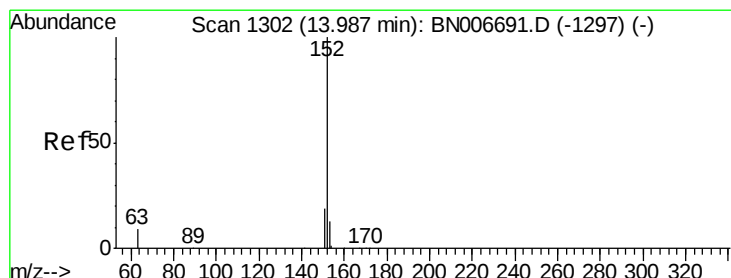
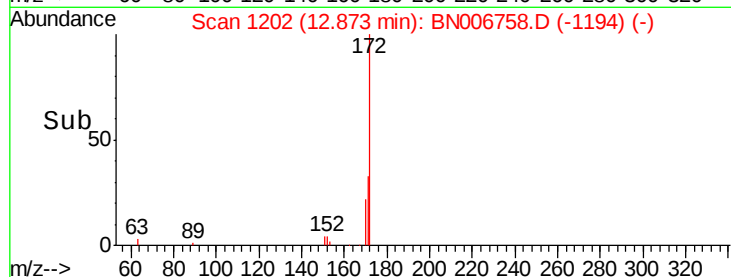
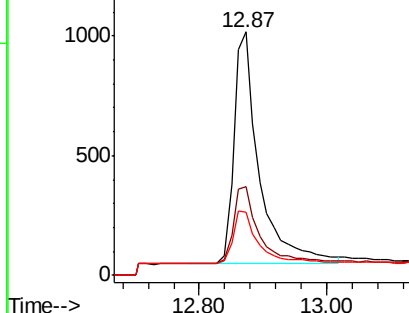


Abundance

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: 0.039 ng
RT: 13.96 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

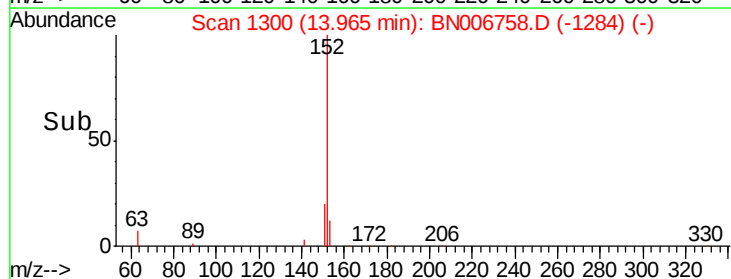
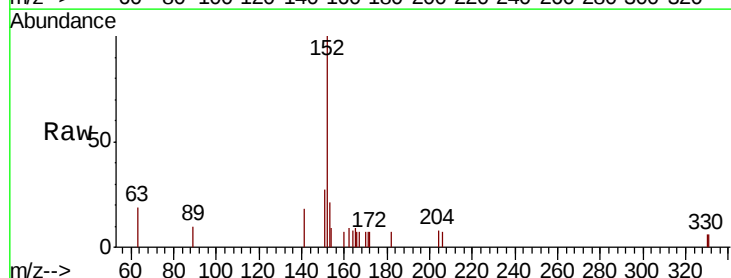
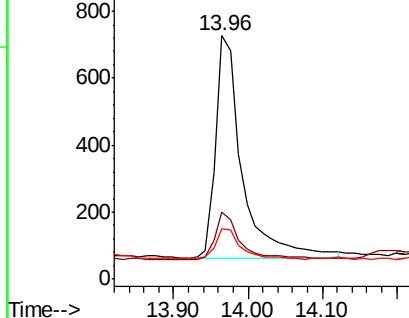
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	12.9	10.6	15.8

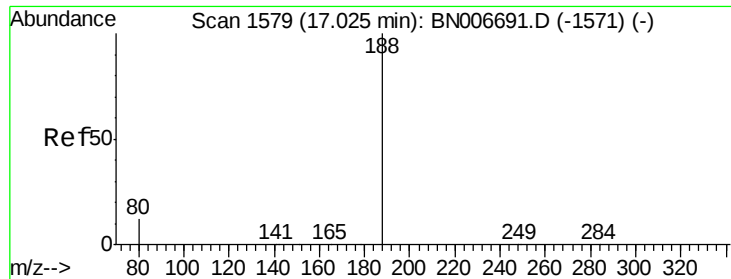
Abundance

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





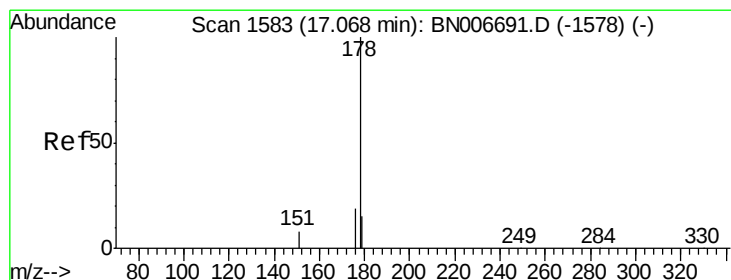
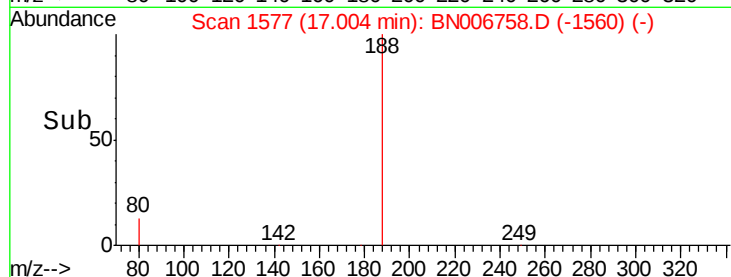
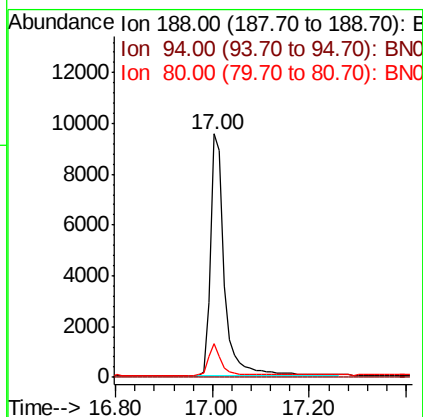
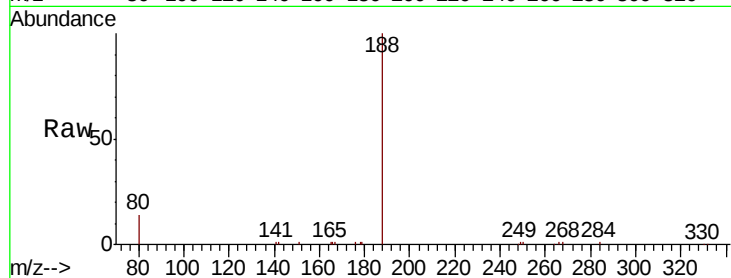
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.00 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

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PST-016-B056-062619RE

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.1	10.3	15.5

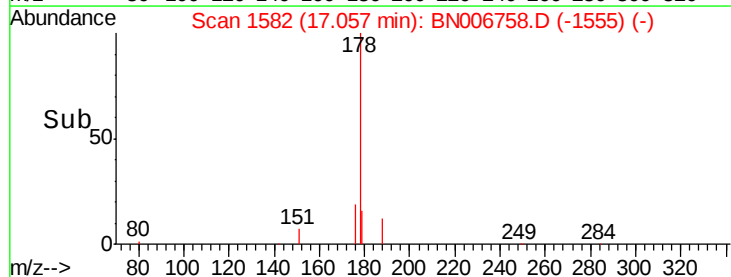
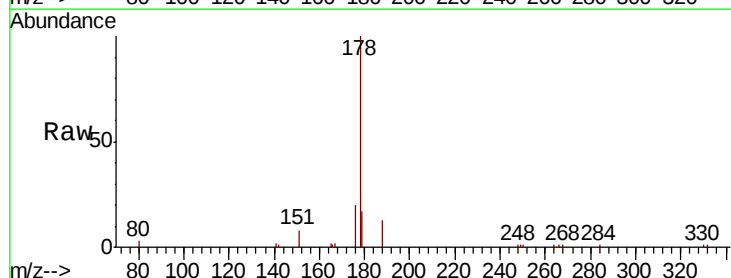
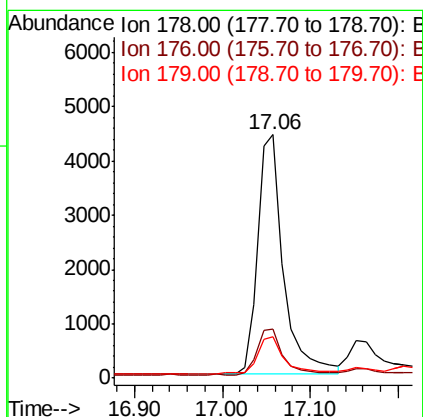
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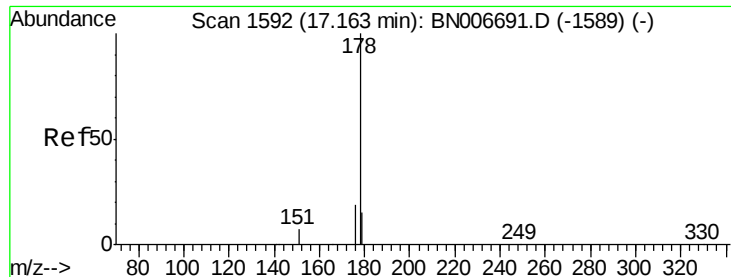
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#23
Phenanthrene
Concen: 0.162 ng
RT: 17.06 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	16.2	12.4	18.6





#24

Anthracene

Concen: 0.027 ng

RT: 17.15 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

Instrument :

BNA_N

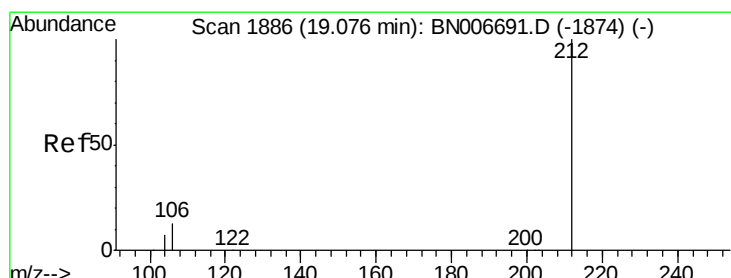
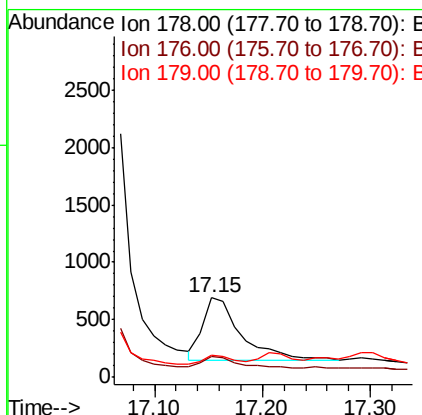
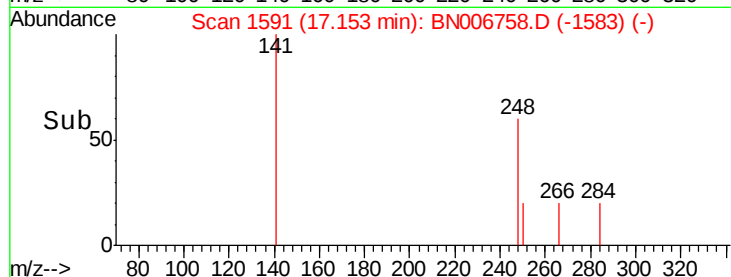
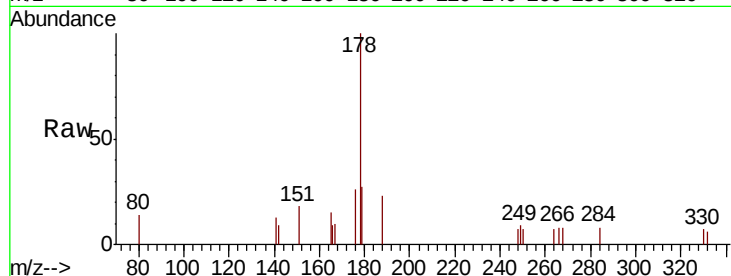
ClientSampleId :

PST-016-B056-062619RE

Tot Ion:	178	Resp:	1340
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.8	22.2
179	9.6	11.9	17.9#

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#25

Fluoranthene-d10

Concen: 0.083 ng

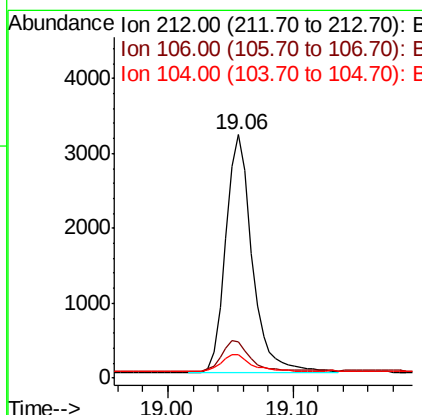
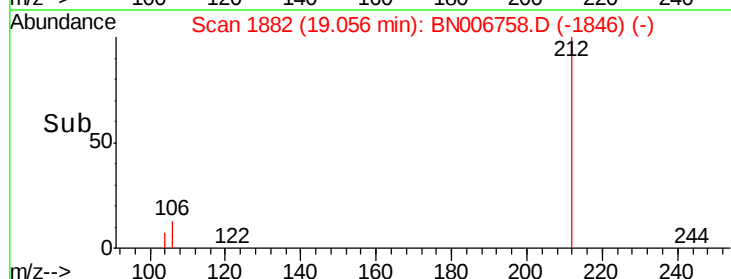
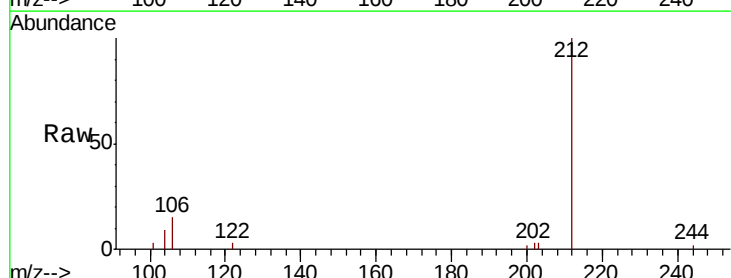
RT: 19.06 min Scan# 1882

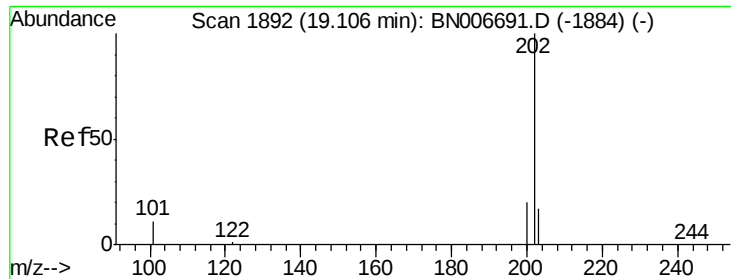
Delta R.T. -0.02 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

Tgt Ion:	212	Resp:	4611
Ion Ratio	Lower	Upper	
212	100		
106	13.5	11.0	16.6
104	8.0	6.1	9.1





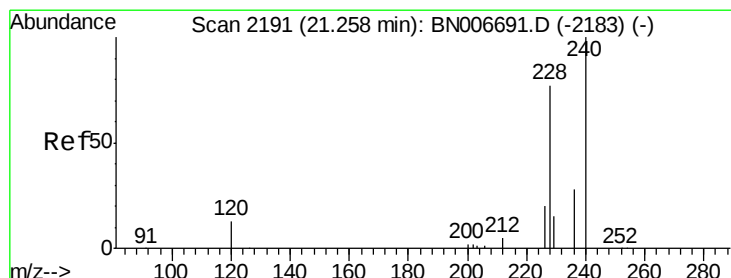
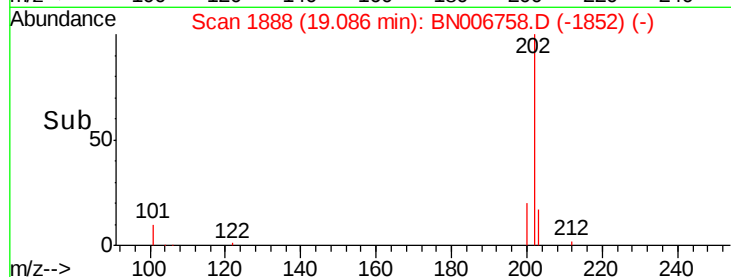
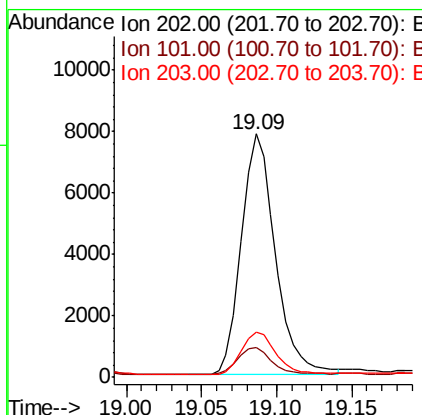
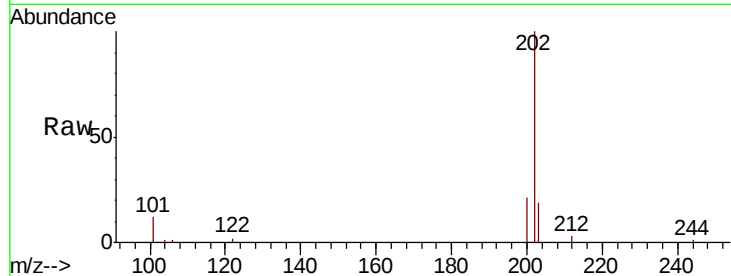
#26
 Fluoranthene
 Concen: 0.189 ng
 RT: 19.09 min Scan# 1888
 Delta R.T. -0.02 min
 Lab File: BN006758.D
 Acq: 08 Jul 2019 14:55

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-B056-062619RE

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	8.7	13.1
203	17.7	13.8	20.6

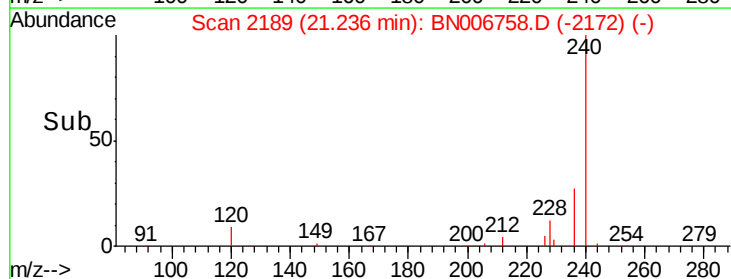
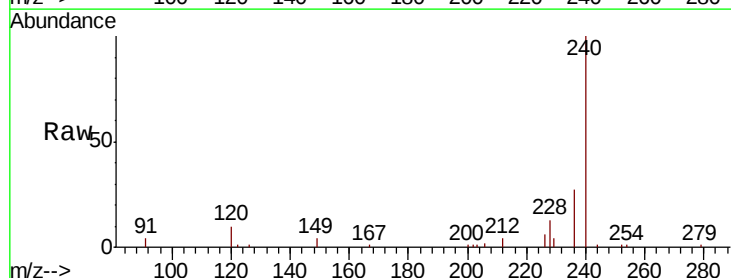
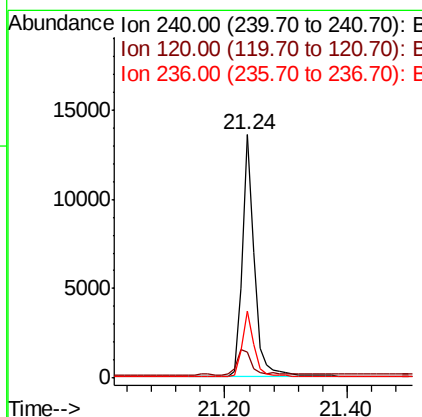
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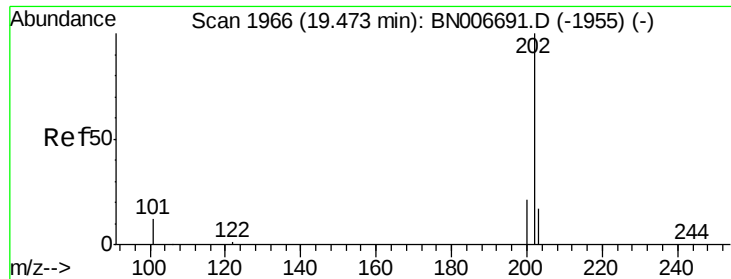
mohammad
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.24 min Scan# 2189
 Delta R.T. -0.02 min
 Lab File: BN006758.D
 Acq: 08 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.5	12.9	19.3#
236	27.3	23.2	34.8





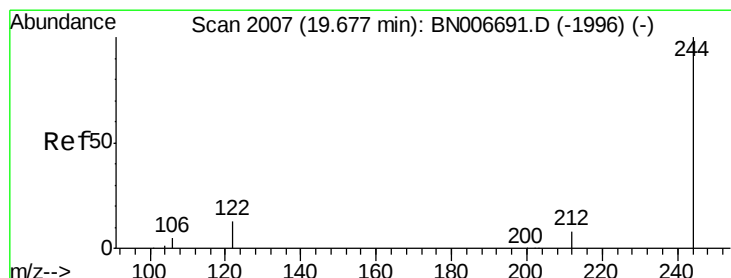
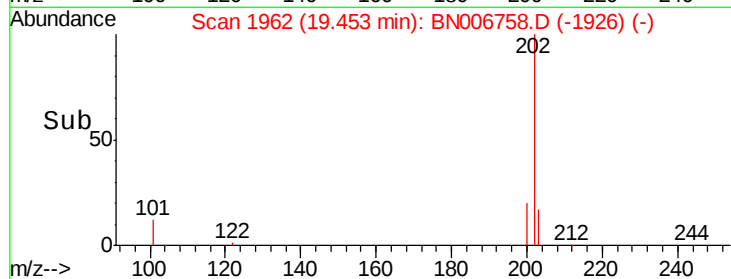
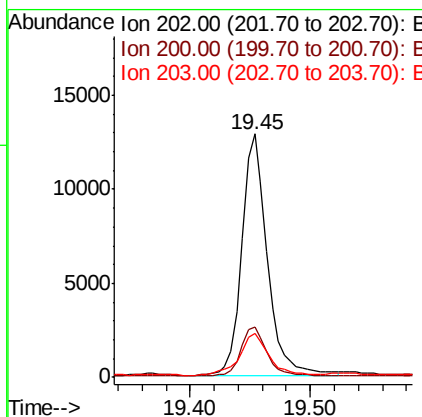
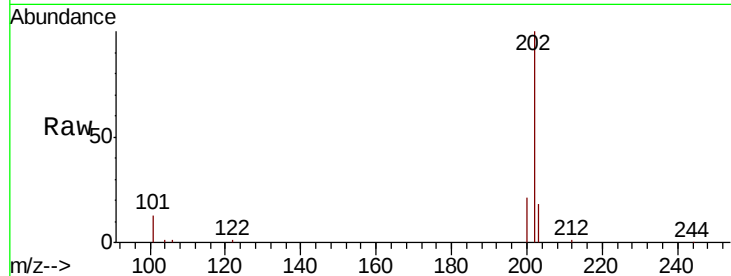
#28
Pvrene
Concen: 0.248 ng
RT: 19.45 min Scan# 1962
Delta R.T. -0.02 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

Instrument :
BNA_N
ClientSampleId :
PST-016-B056-062619RE

Tot Ion	Ratio	Resp	Lower	Upper
202	100	18861		
200	20.9	16.8	25.2	
203	19.7	14.2	21.2	

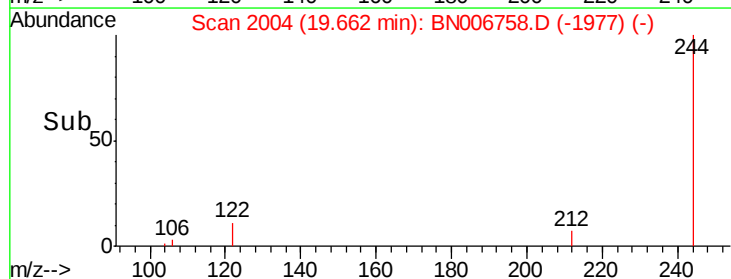
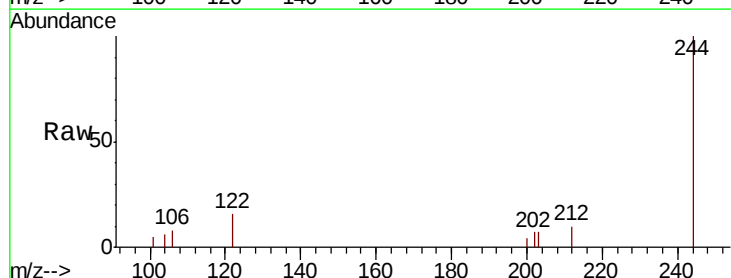
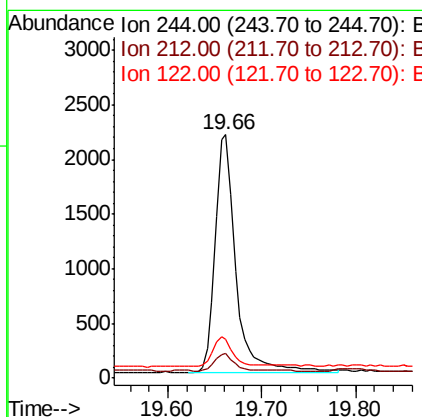
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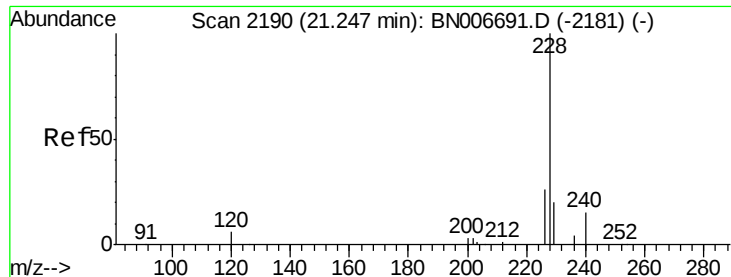
mohammad
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#29
Terphenyl-d14
Concen: 0.076 ng
RT: 19.66 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	3328		
212	10.0	7.0	10.4	
122	15.8	11.5	17.3	





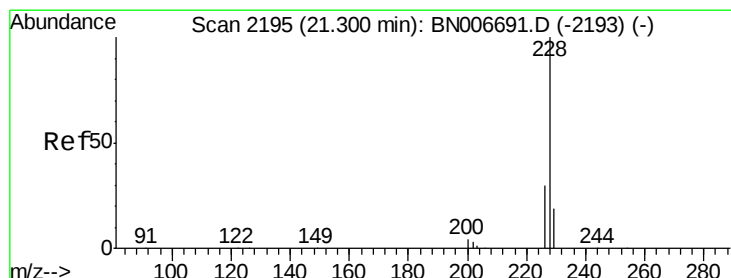
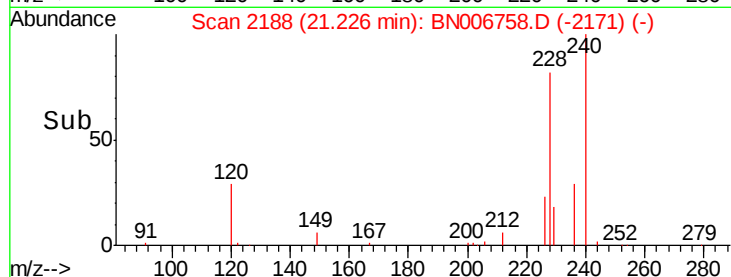
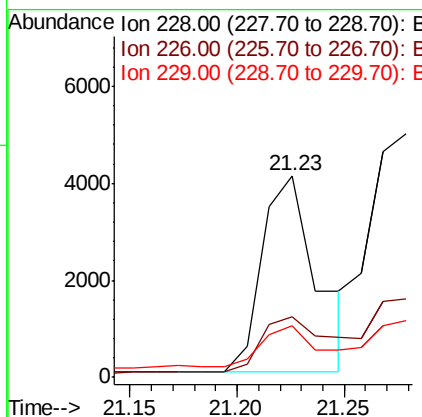
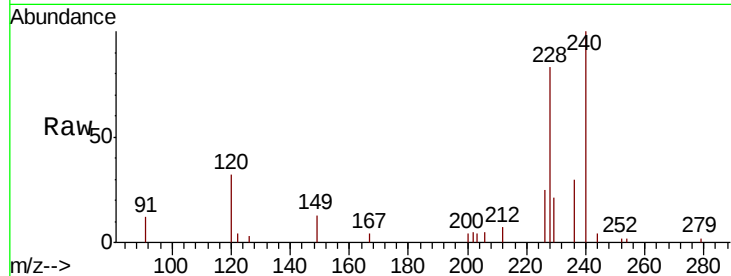
#30
Benzo(a)anthracene
Concen: 0.110 ng m
RT: 21.23 min Scan# 2188
Delta R.T. -0.02 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

Instrument :
BNA_N
ClientSampleId :
PST-016-B056-062619RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	21.5	32.3
229	25.4	16.2	24.4

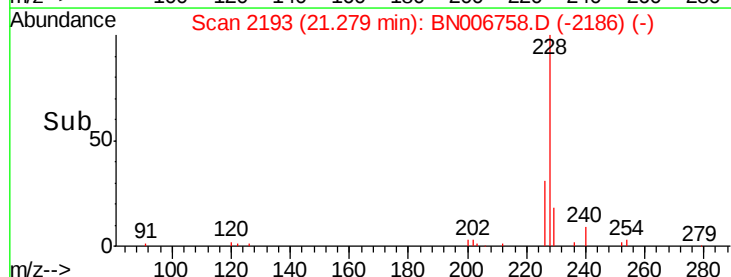
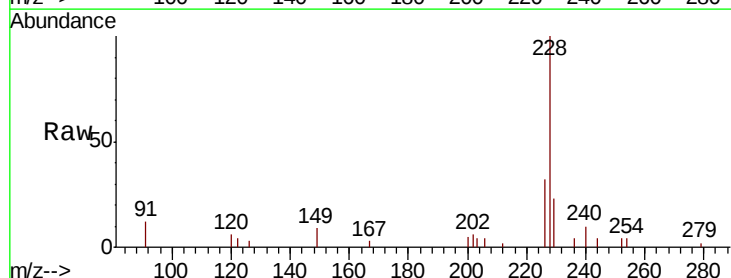
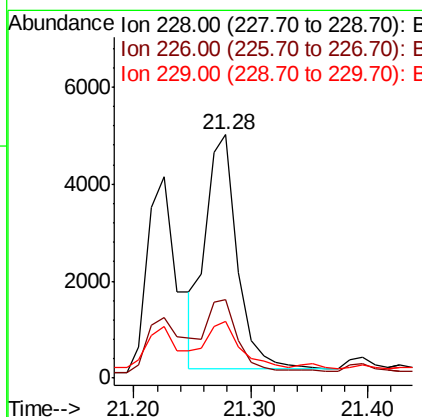
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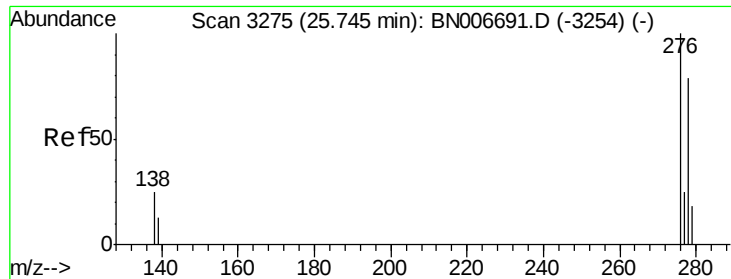
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#31
Chrysene
Concen: 0.135 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.2	36.2
229	23.3	15.8	23.6





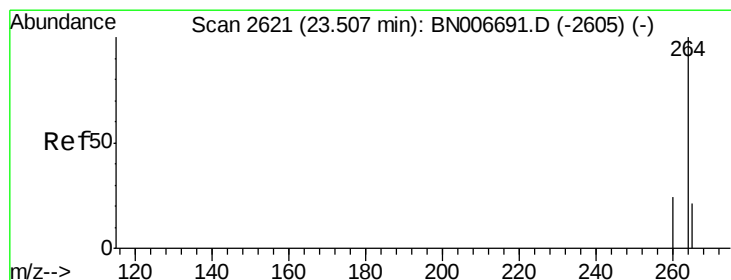
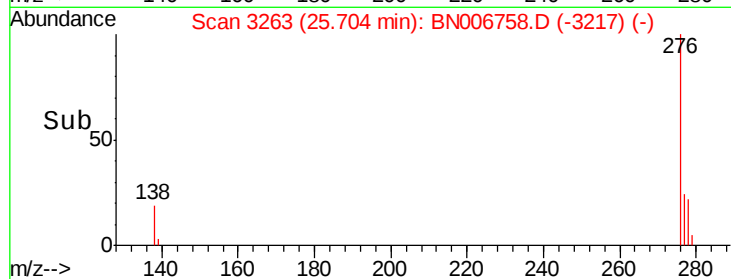
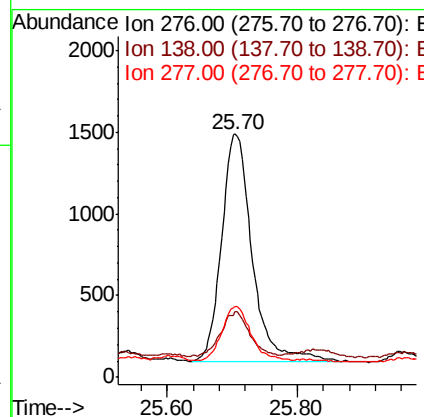
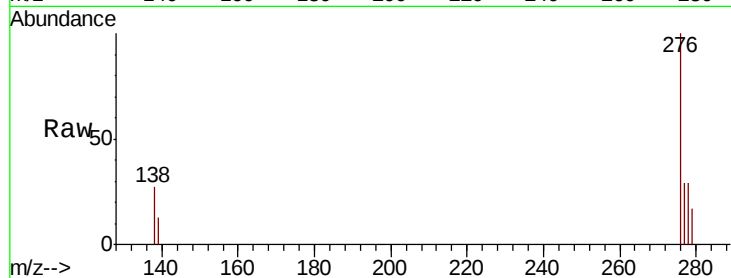
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.056 ng
RT: 25.70 min Scan# 3263
Delta R.T. -0.04 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

Instrument :
BNA_N
ClientSampleId :
PST-016-B056-062619RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.6	19.5	29.3#
277	22.3	19.7	29.5

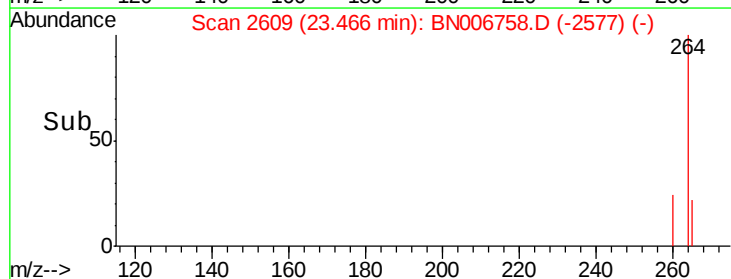
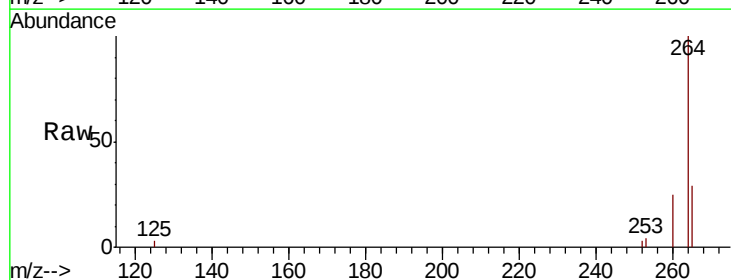
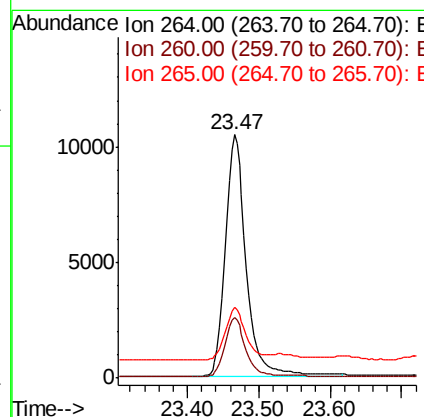
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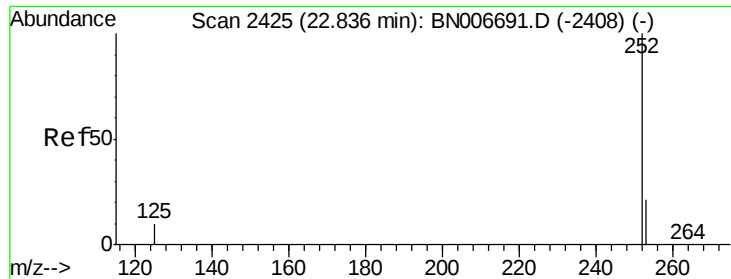
mohammad
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2609
Delta R.T. -0.04 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.2	30.2
265	29.0	33.7	50.5#





#35

Benzo(b)fluoranthene

Concen: 0.132 ng

RT: 22.81 min Scan# 2417

Delta R.T. -0.03 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

Instrument :

BNA_N

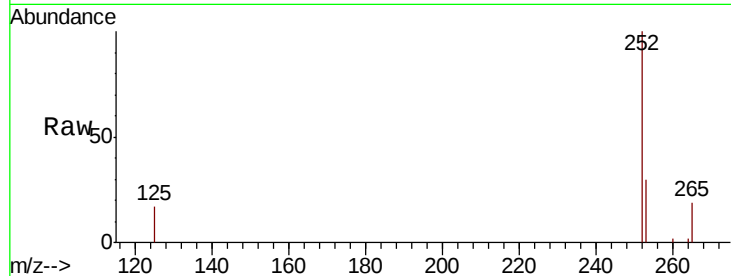
ClientSampleId :

PST-016-B056-062619RE

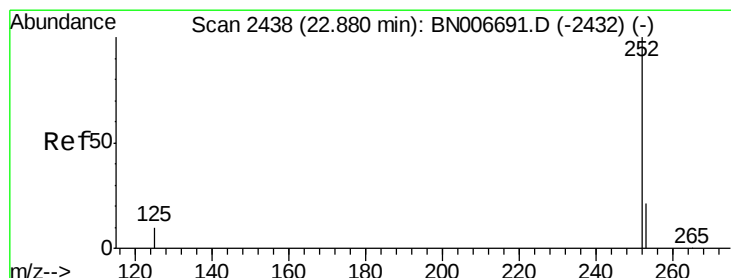
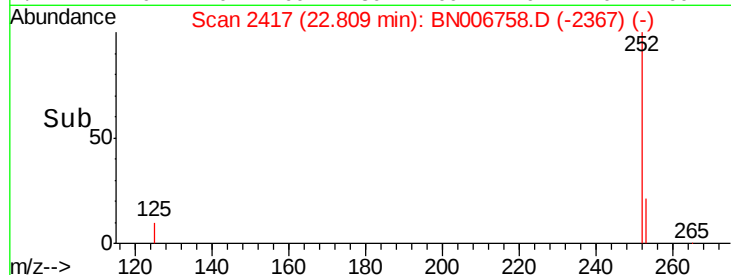
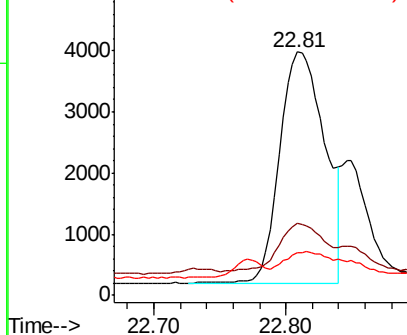
Tot Ion:	252	Resp:	8976
Ion Ratio	Lower	Upper	
252	100		
253	29.5	20.2	30.2
125	17.4	11.5	17.3#

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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



#36

Benzo(k)fluoranthene

Concen: 0.042 ng m

RT: 22.85 min Scan# 2428

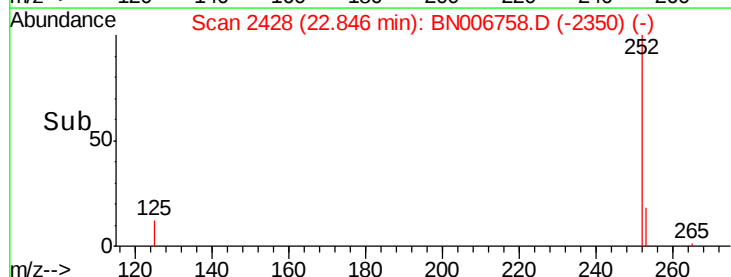
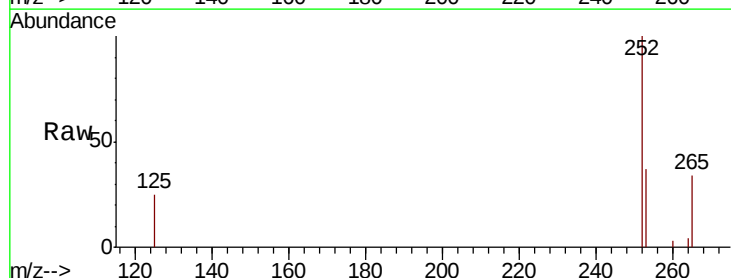
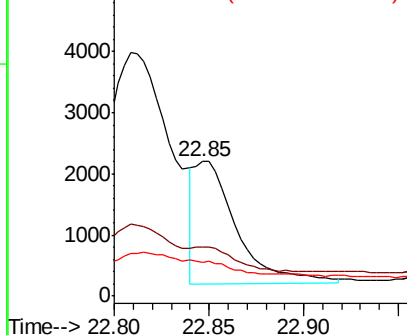
Delta R.T. -0.03 min

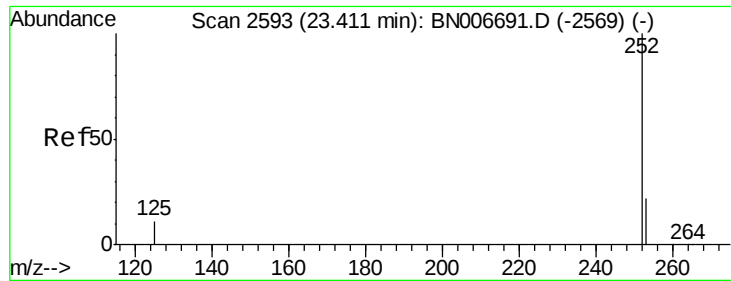
Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

Tgt Ion:	252	Resp:	3114
Ion Ratio	Lower	Upper	
252	100		
253	36.6	20.1	30.1#
125	25.3	11.4	17.0#

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





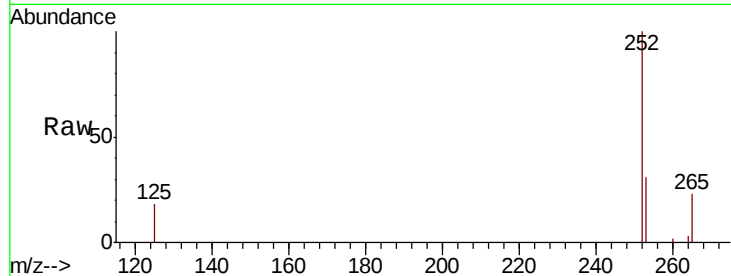
#37
Benzo(a)pyrene
Concen: 0.097 ng
RT: 23.37 min Scan# 2582
Delta R.T. -0.04 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

Instrument :
BNA_N
ClientSampleId :
PST-016-B056-062619RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.3	21.4	32.2
125	18.3	13.3	19.9

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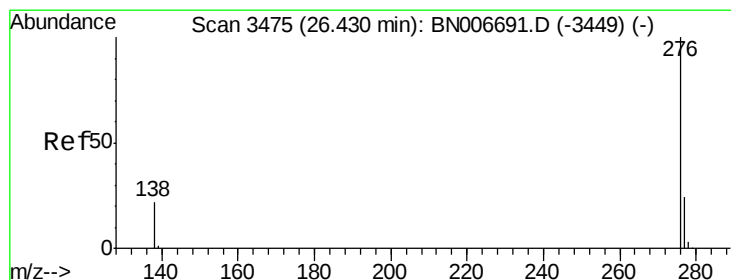
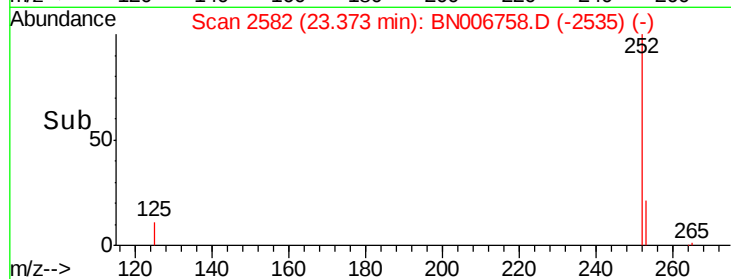
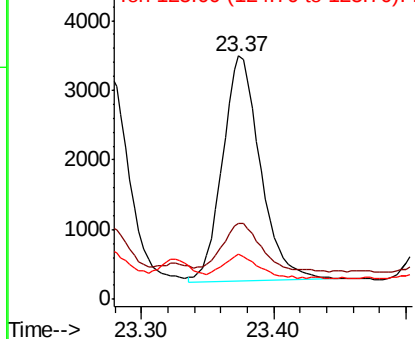


Abundance

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



#39
Benzo(g,h,i)perylene
Concen: 0.079 ng
RT: 26.38 min Scan# 3461
Delta R.T. -0.05 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.3	20.6	30.8
138	25.5	19.7	29.5

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

