

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
 Data File : BN007083.D
 Acq On : 11 Aug 2019 12:50
 Operator : HP/JU
 Sample : K4143-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-B260-073019

Manual Integrations
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mohammad
 8/14/2019 2:57:22 AM

Quant Time: Aug 12 07:22:21 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Aug 10 21:44:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	9872	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	37731	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	21685	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	53765	0.40	ng	0.00
26) Chrysene-d12	21.05	240	55500	0.40	ng	-0.01
32) Perylene-d12	23.16	264	58319	0.40	ng	-0.01

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	5134	0.22	ng	0.00
4) Phenol-d6	6.61	99	6957	0.24	ng	0.00
7) Nitrobenzene-d5	8.56	82	5408	0.18	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	13216	0.19	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1255	0.11	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	4243	0.13	ng	0.00
24) Fluoranthene-d10	18.87	212	35197	0.18	ng	0.00
28) Terphenyl-d14	19.49	244	26696	0.18	ng	0.00

Target Compounds

						Qvalue
15) Acenaphthylene	13.79	152	4596	0.041	ng	98
22) Phenanthrene	16.87	178	21525	0.134	ng	100
23) Anthracene	16.95	178	4830	0.033	ng	# 94
25) Fluoranthene	18.90	202	76074	0.369	ng	100
27) Pyrene	19.26	202	69064	0.355	ng	# 96
29) Benzo(a)anthracene	21.02	228	47974	0.236	ng	95
30) Chrysene	21.08	228	42817	0.217	ng	97
31) Indeno(1,2,3-cd)pyrene	25.24	276	26685	0.123	ng	97
33) Benzo(b)fluoranthene	22.54	252	58778	0.294	ng	97
34) Benzo(k)fluoranthene	22.58	252	20319m	0.103	ng	
35) Benzo(a)pyrene	23.07	252	37597	0.207	ng	98
36) Dibenzo(a,h)anthracene	25.25	278	7474	0.041	ng	# 83
37) Benzo(g,h,i)perylene	25.86	276	26957	0.145	ng	98

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

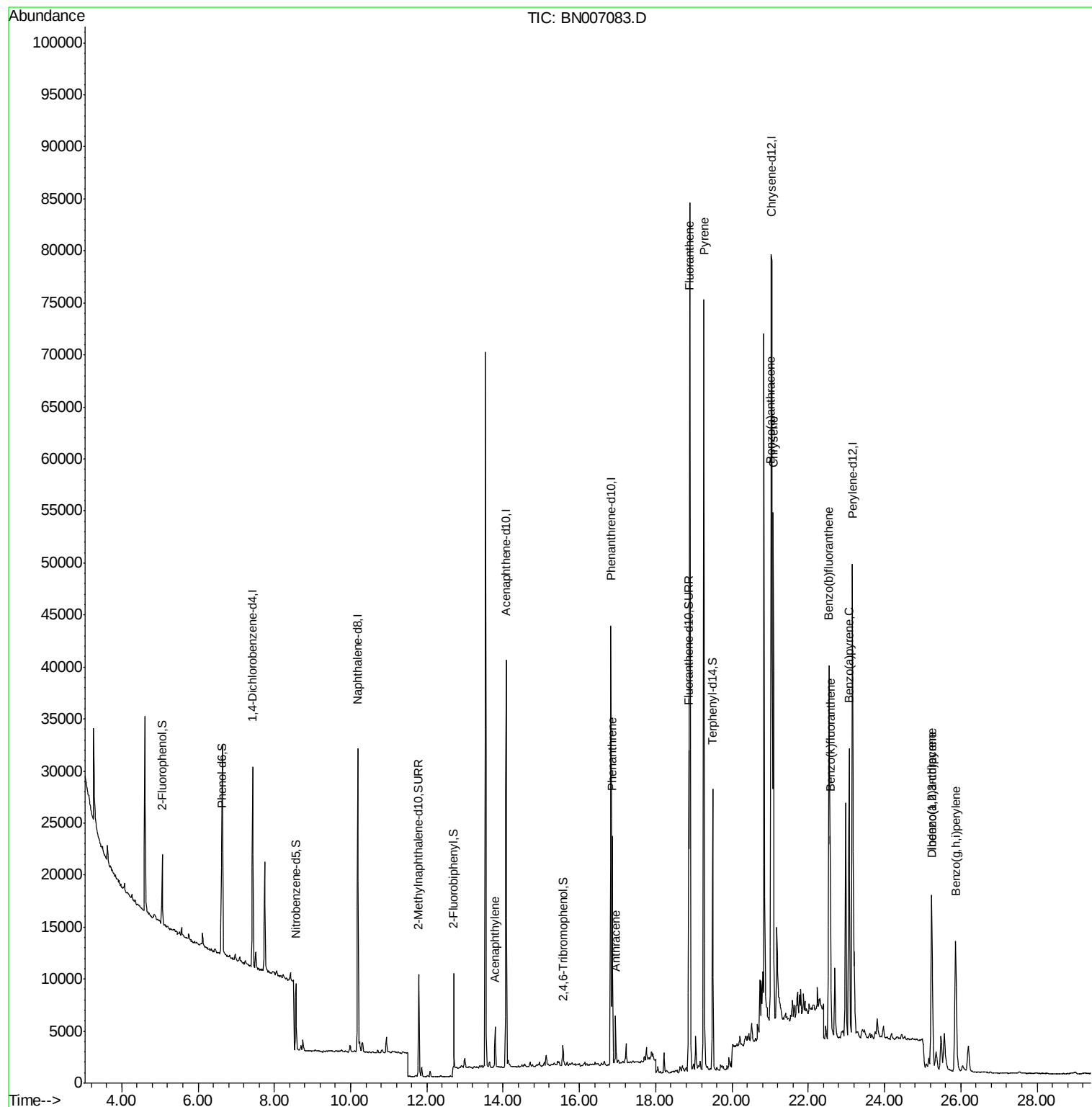
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
Data File : BN007083.D
Acq On : 11 Aug 2019 12:50
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Sample : K4143-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

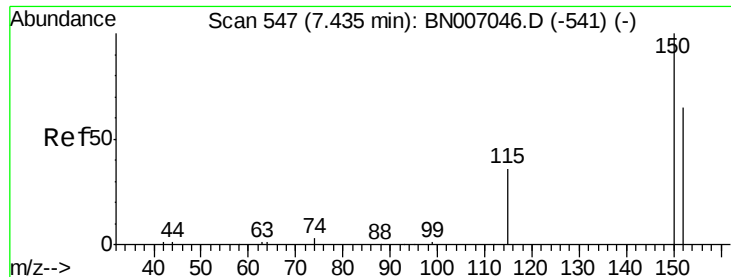
Instrument :
BNA_N
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#1

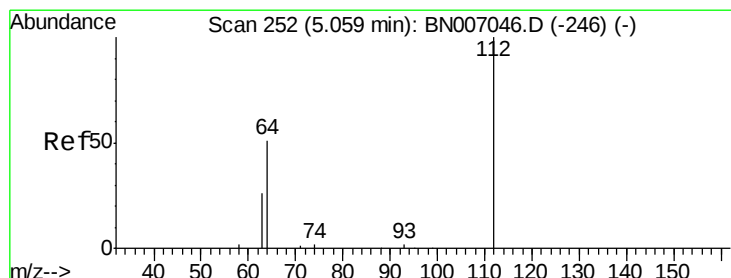
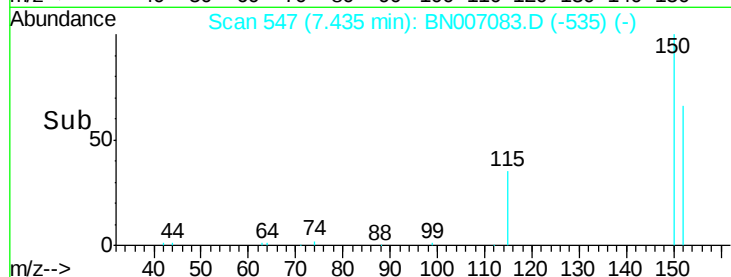
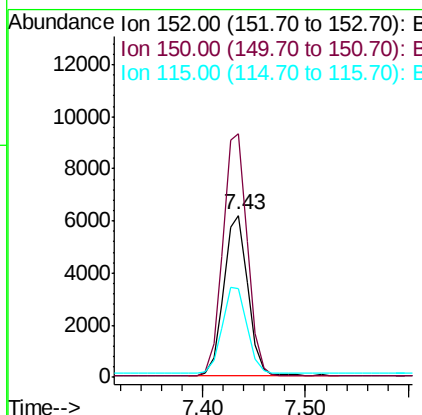
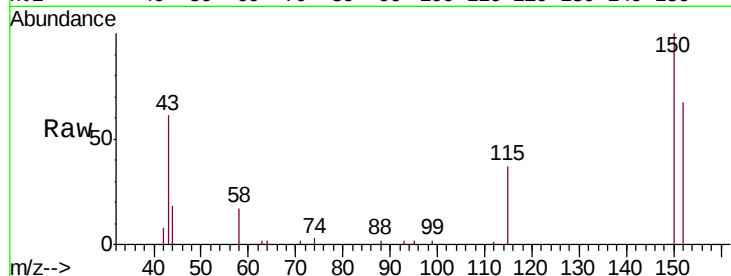
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007083.D
Acq: 11 Aug 2019 12:50

Instrument :
BNA_N
ClientSampleId :
PST-006-B260-073019

Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.3	121.7	182.5
115	55.1	46.2	69.4

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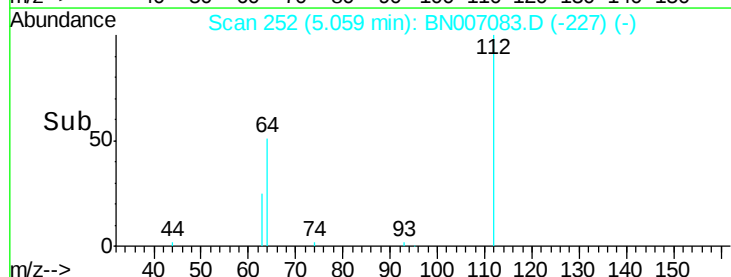
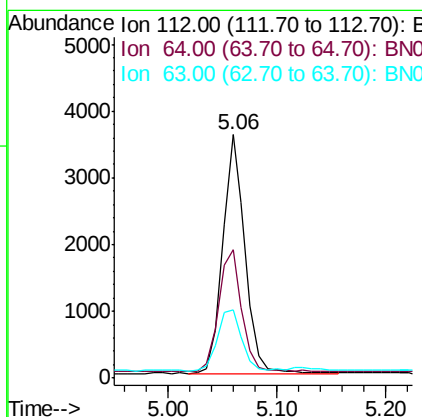
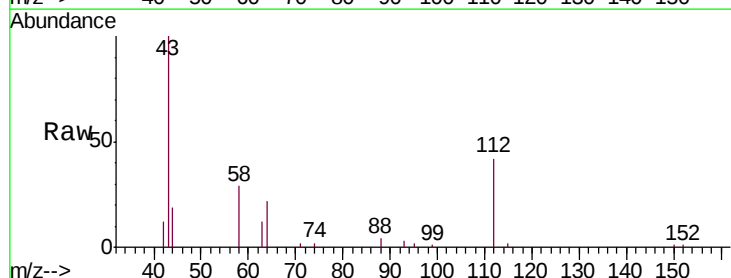
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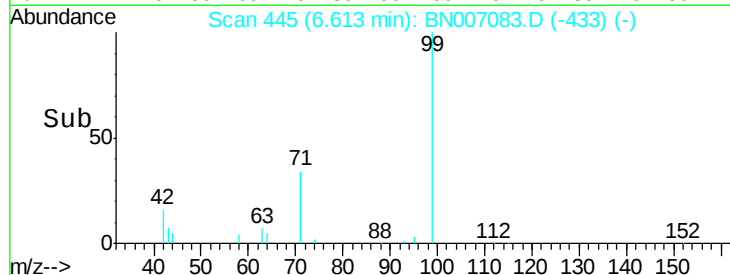
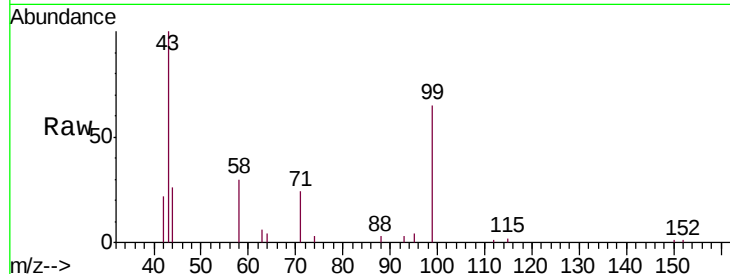
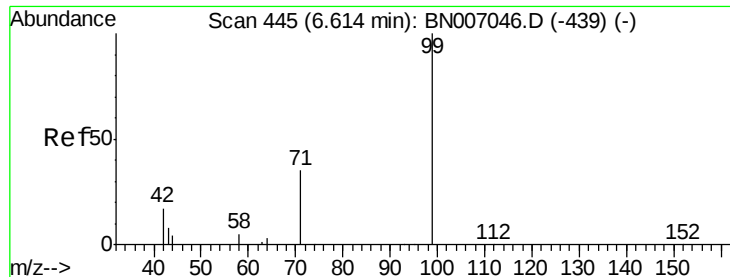


#3

2-Fluorophenol
Concen: 0.216 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007083.D
Acq: 11 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	42.6	63.8
63	27.6	22.2	33.2





#4

Phenol-d6

Concen: 0.237 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007083.D

Acq: 11 Aug 2019 12:50

Tgt Ion:	99	Resp:	6957
Ion Ratio	Lower	Upper	
99	100		
42	0.0	15.8	23.6#
71	34.4	27.0	40.4

Instrument :

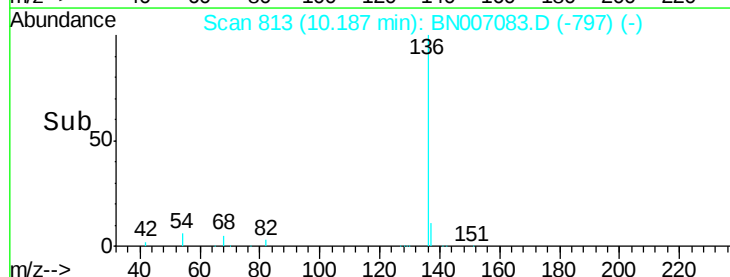
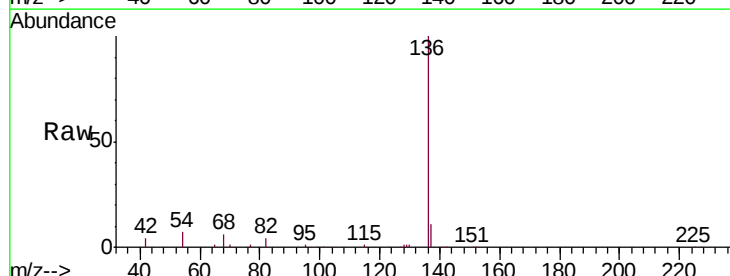
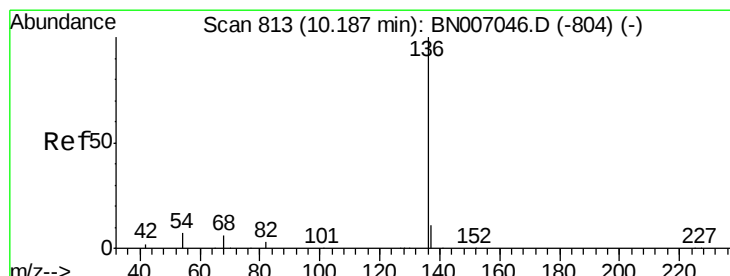
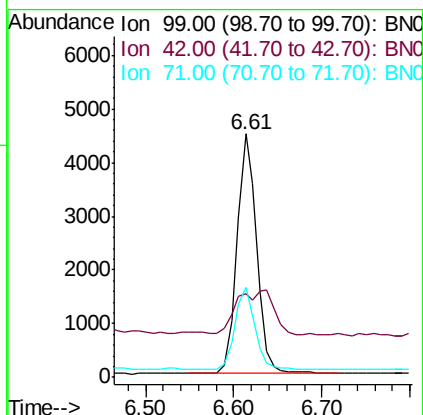
BNA_N

ClientSampleId :

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#6

Naphthalene-d8

Concen: 0.400 ng

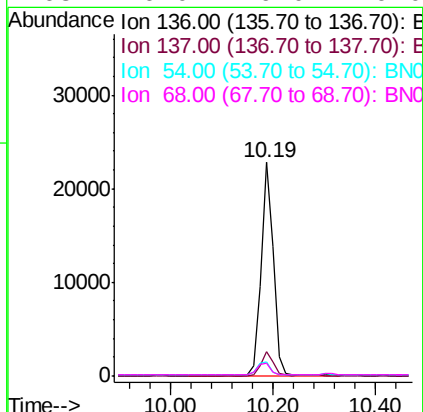
RT: 10.19 min Scan# 813

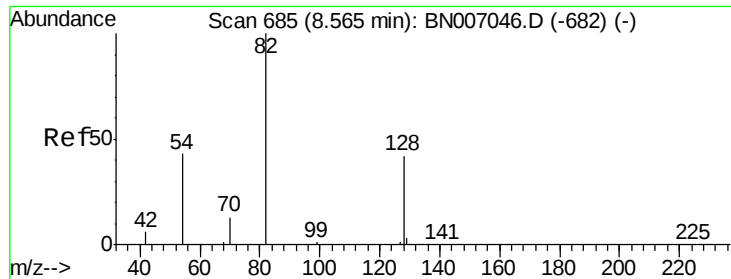
Delta R.T. -0.00 min

Lab File: BN007083.D

Acq: 11 Aug 2019 12:50

Tgt Ion:	136	Resp:	37731
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.4	14.0
54	6.5	6.6	9.8#
68	6.0	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.178 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007083.D

Acq: 11 Aug 2019 12:50

Instrument :

BNA_N

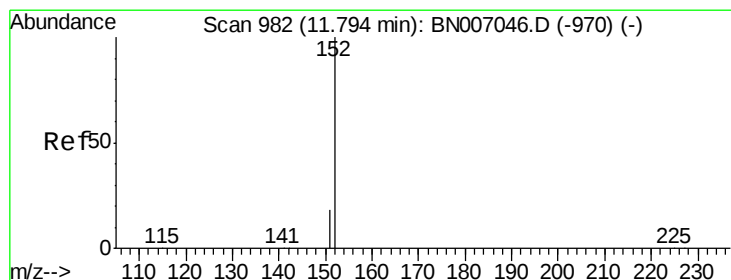
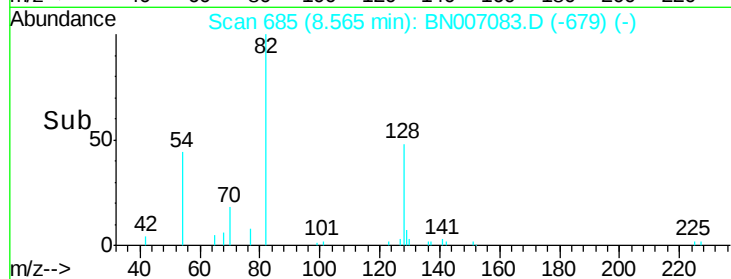
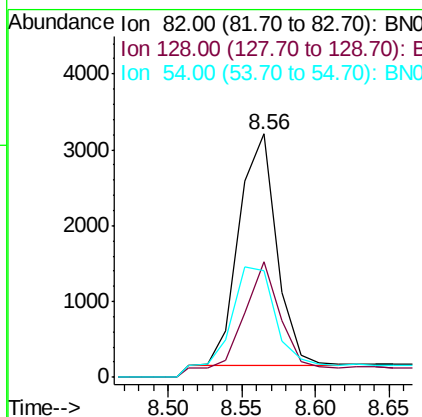
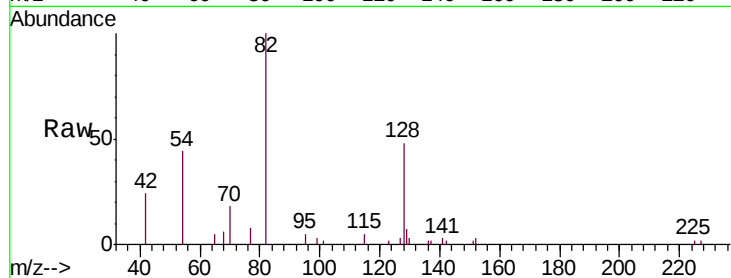
ClientSampleId :

PST-006-B260-073019

Tgt Ion:	82	Resp:	5408
Ion Ratio	Lower	Upper	
82	100		
128	47.7	34.6	51.8
54	43.8	36.2	54.4

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#10

2-Methylnaphthalene-d10

Concen: 0.188 ng

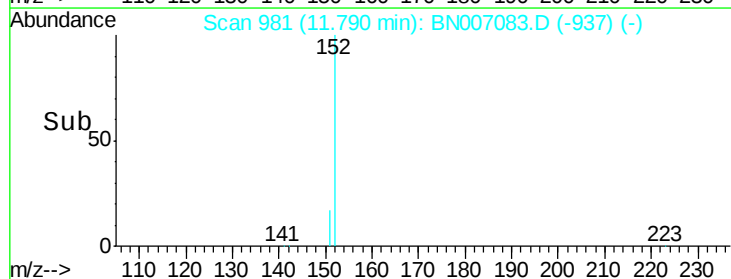
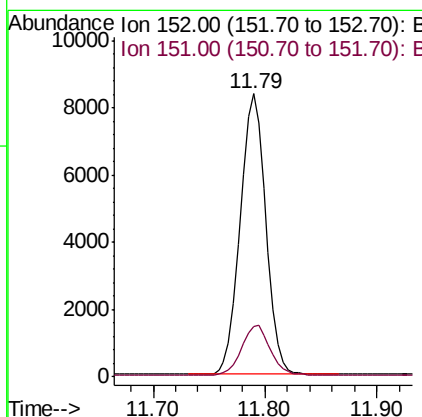
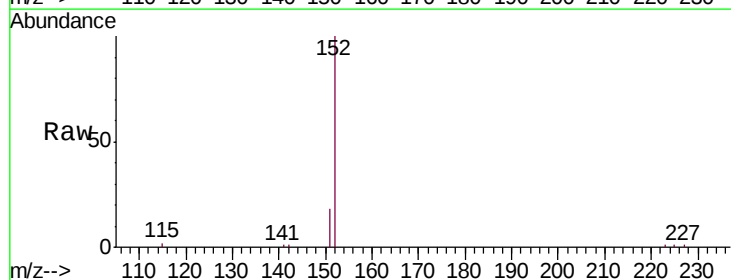
RT: 11.79 min Scan# 981

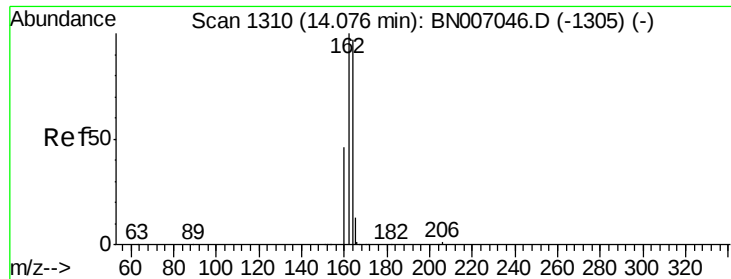
Delta R.T. -0.00 min

Lab File: BN007083.D

Acq: 11 Aug 2019 12:50

Tgt Ion:	152	Resp:	13216
Ion Ratio	Lower	Upper	
152	100		
151	19.3	15.5	23.3





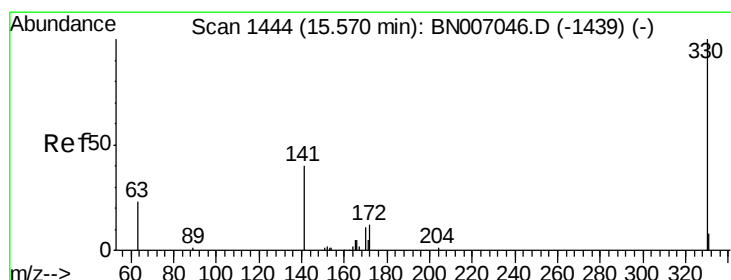
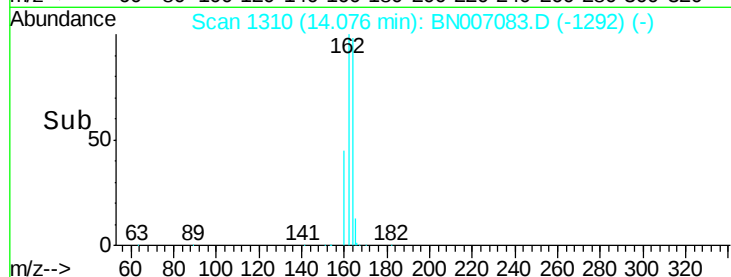
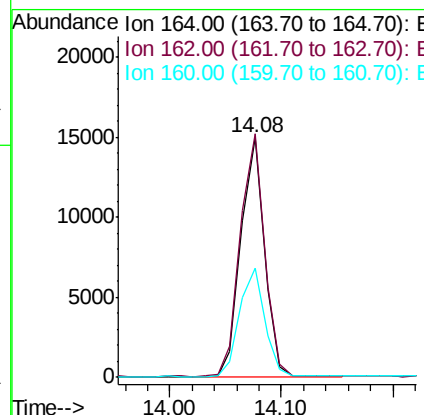
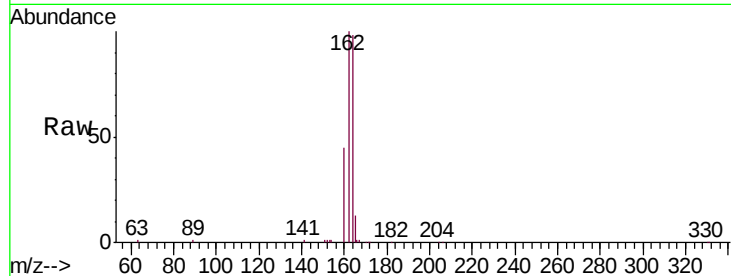
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007083.D
Acq: 11 Aug 2019 12:50

Instrument :
BNA_N
ClientSampleId :
PST-006-B260-073019

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.2	123.4
160	45.8	38.3	57.5

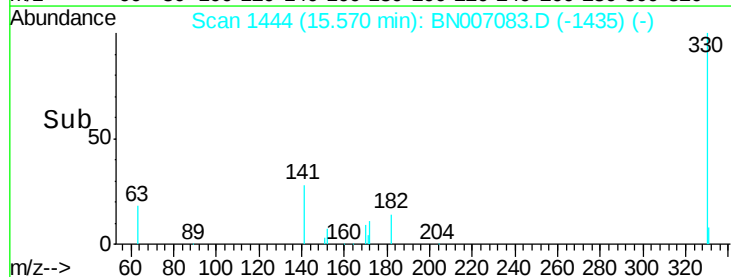
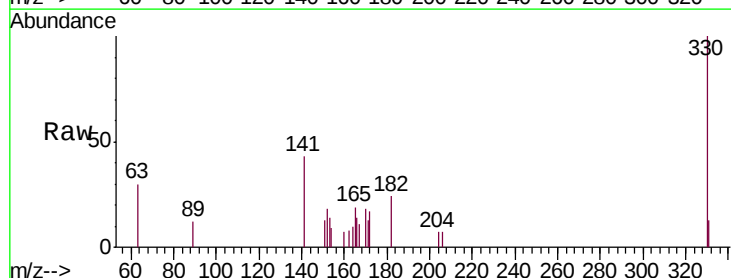
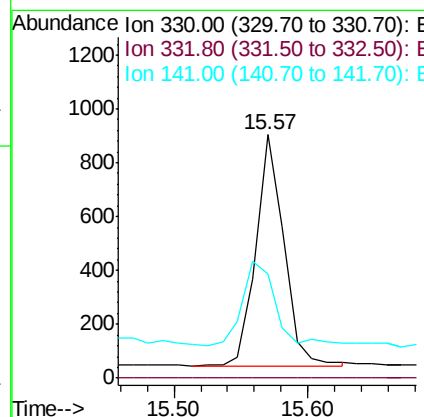
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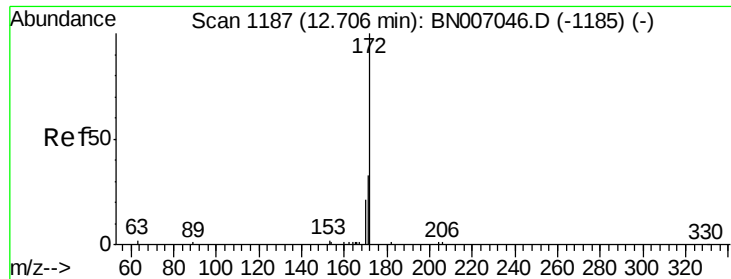
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#13
2,4,6-Tribromophenol
Concen: 0.107 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007083.D
Acq: 11 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	42.1	33.6	50.4





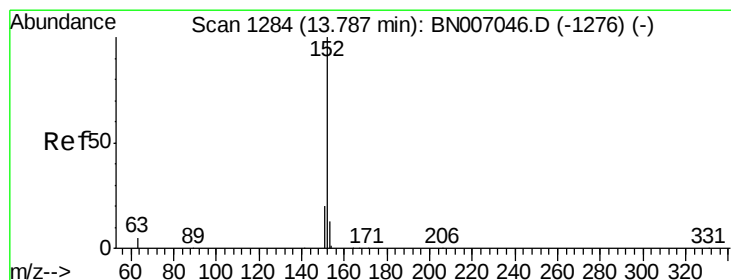
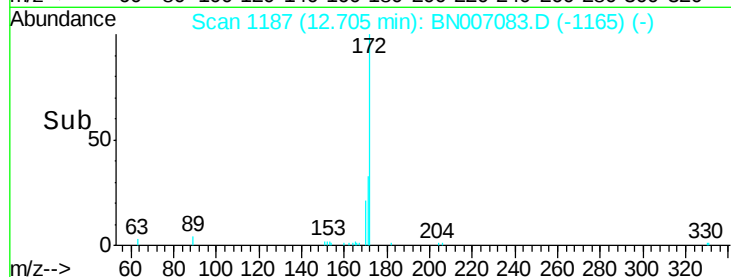
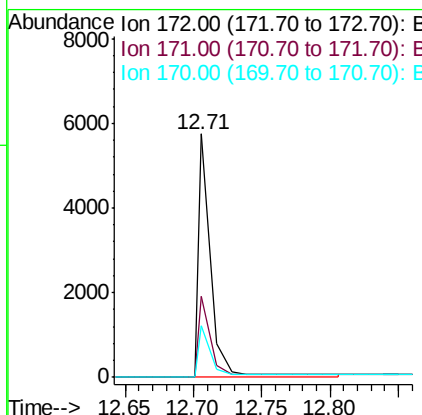
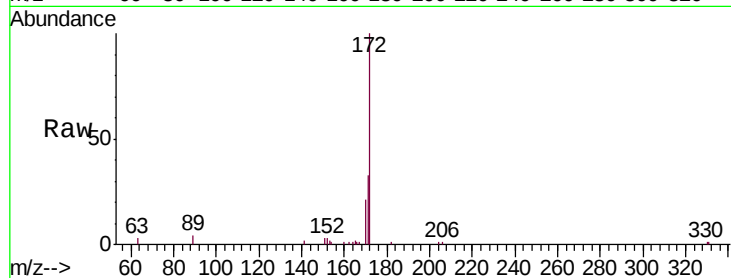
#14
2-Fluorobiphenyl
Concen: 0.135 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007083.D
Acq: 11 Aug 2019 12:50

Instrument :
BNA_N
ClientSampleId :
PST-006-B260-073019

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.5	26.3	39.5
170	21.1	17.0	25.4

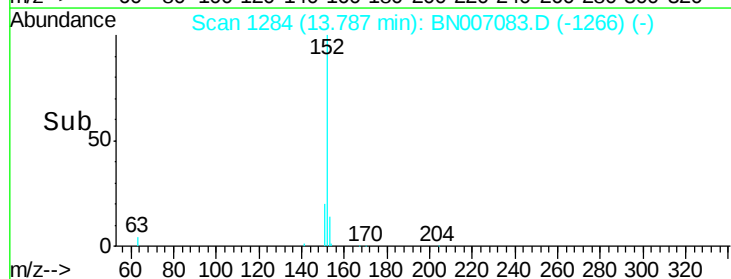
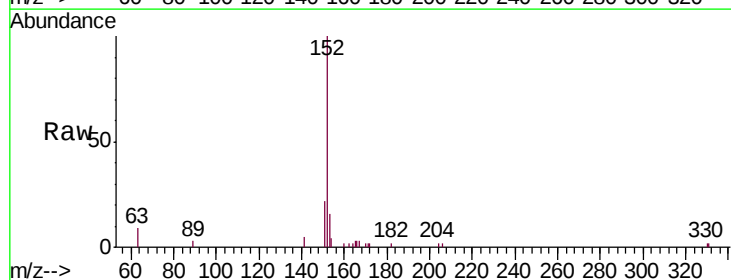
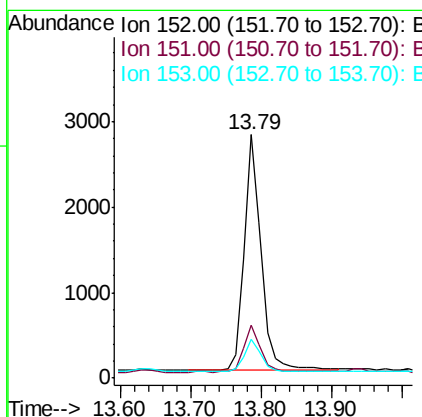
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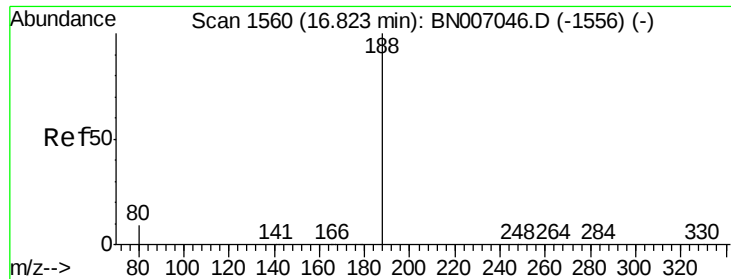
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#15
Acenaphthylene
Concen: 0.041 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007083.D
Acq: 11 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.6
153	13.7	10.4	15.6





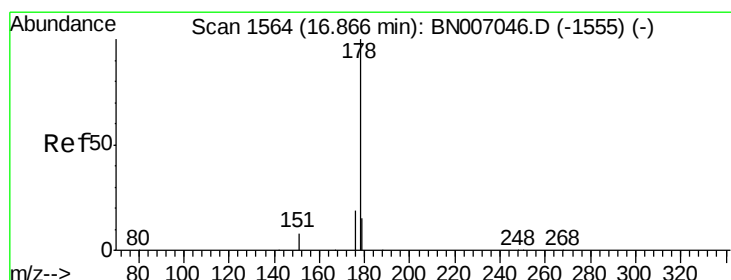
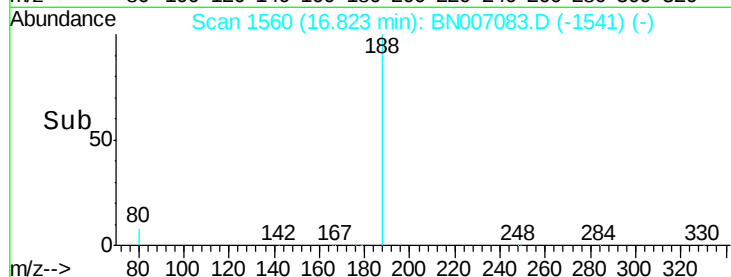
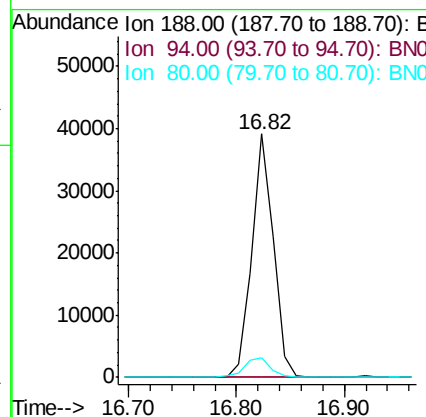
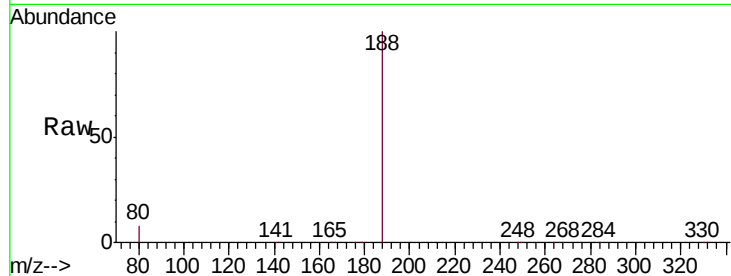
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007083.D
Acq: 11 Aug 2019 12:50

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Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.9	7.8	11.6

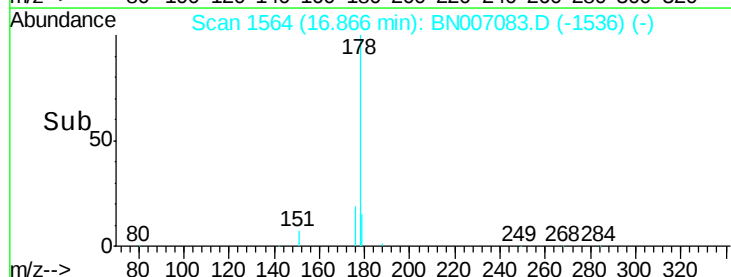
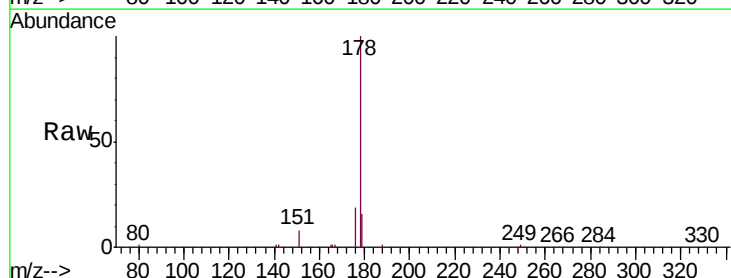
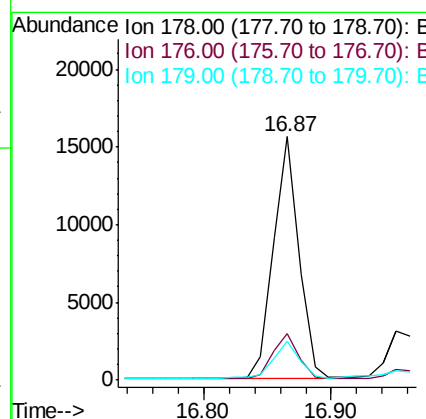
Manual Integrations
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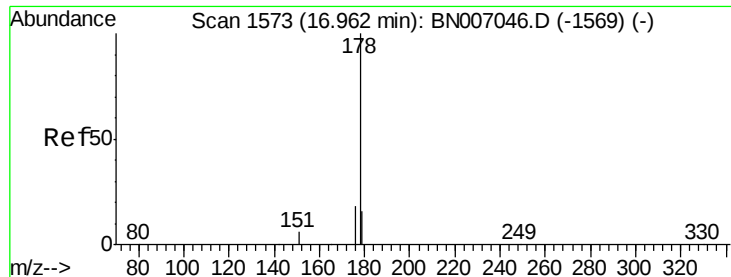
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#22
Phenanthrene
Concen: 0.134 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007083.D
Acq: 11 Aug 2019 12:50

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.6	12.3	18.5





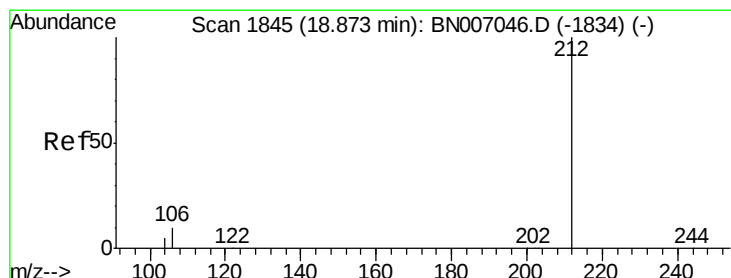
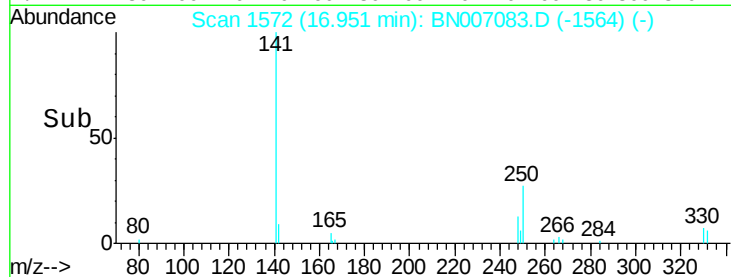
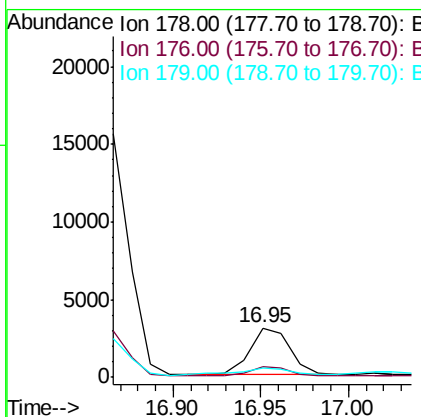
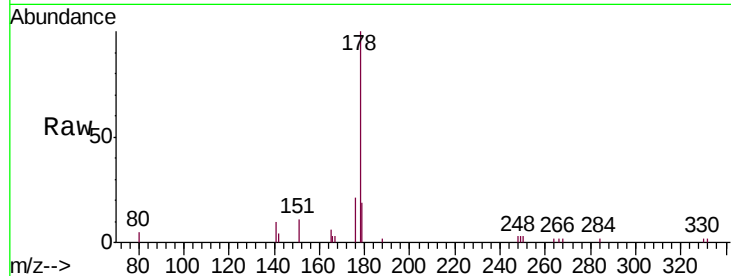
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 Anthracene
 Concen: 0.033 ng
 RT: 16.95 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BN007083.D
 Acq: 11 Aug 2019 12:50

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-B260-073019

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	21.8
179	20.1	12.5	18.7

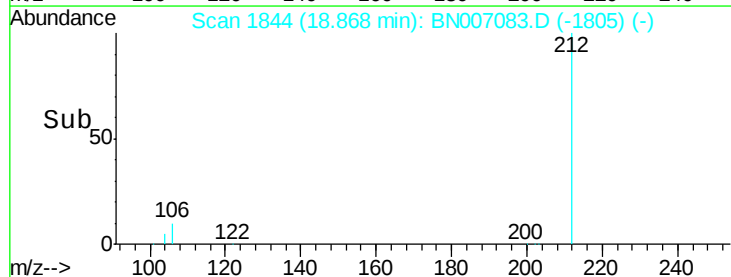
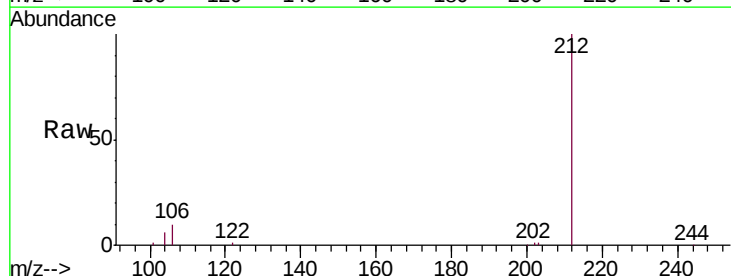
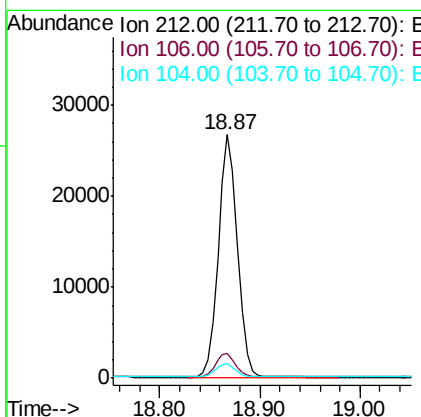
Manual Integrations
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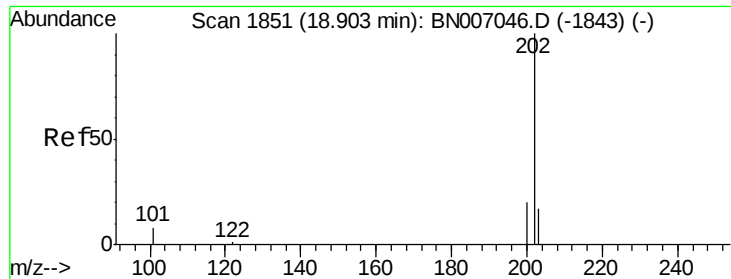
mohammad
 8/14/2019 2:57:22 AM



#24
 Fluoranthene-d10
 Concen: 0.185 ng
 RT: 18.87 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BN007083.D
 Acq: 11 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
212	100		
106	10.1	8.2	12.2
104	5.8	4.5	6.7





#25

Fluoranthene

Concen: 0.369 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007083.D

Acq: 11 Aug 2019 12:50

Instrument :

BNA_N

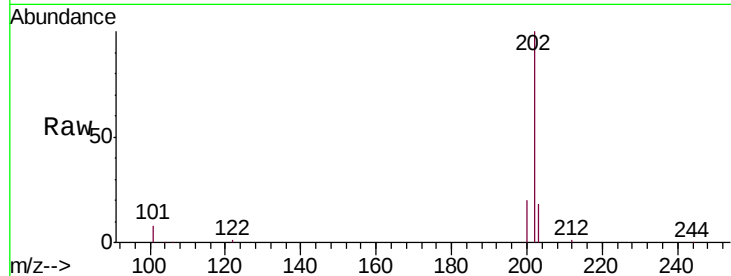
ClientSampleId :

PST-006-B260-073019

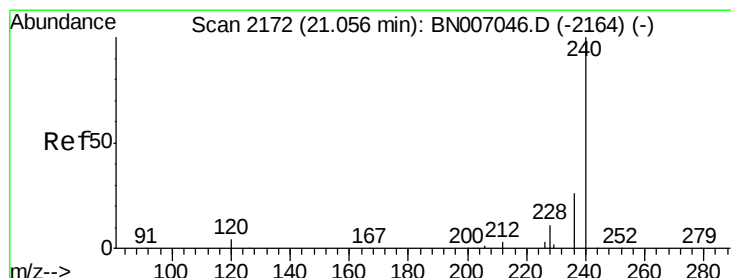
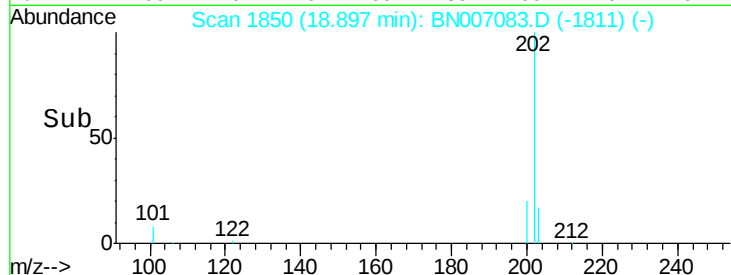
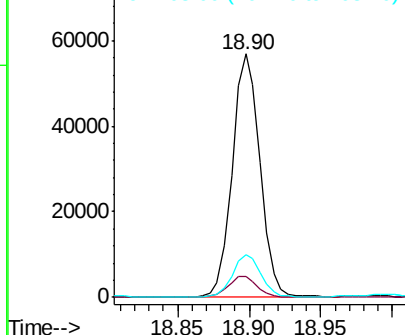
Tgt Ion:	202	Resp:	76074
Ion Ratio	Lower	Upper	
202	100		
101	8.6	7.0	10.4
203	17.2	13.8	20.8

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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



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.05 min Scan# 2171

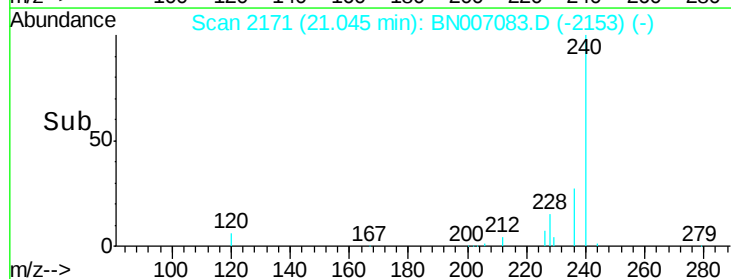
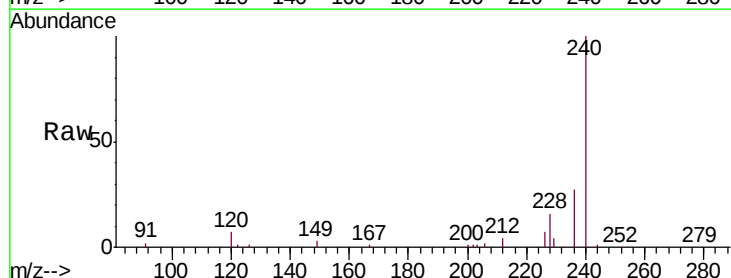
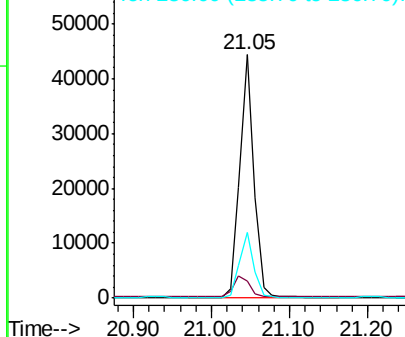
Delta R.T. -0.01 min

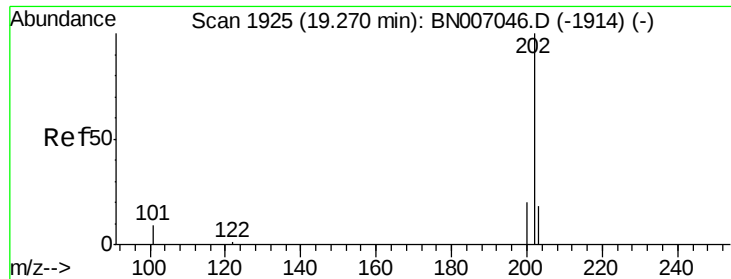
Lab File: BN007083.D

Acq: 11 Aug 2019 12:50

Tgt Ion:	240	Resp:	55500
Ion Ratio	Lower	Upper	
240	100		
120	6.8	4.0	6.0#
236	27.0	21.3	31.9

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





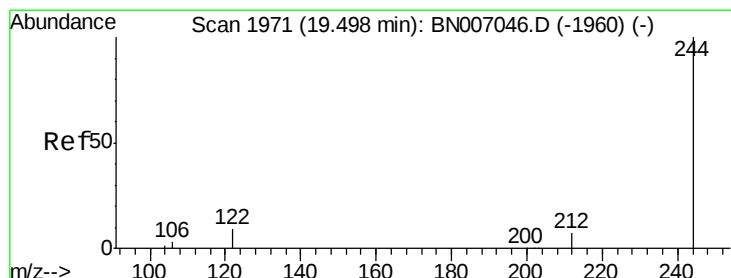
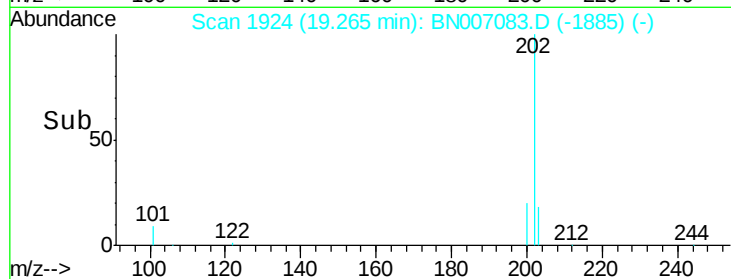
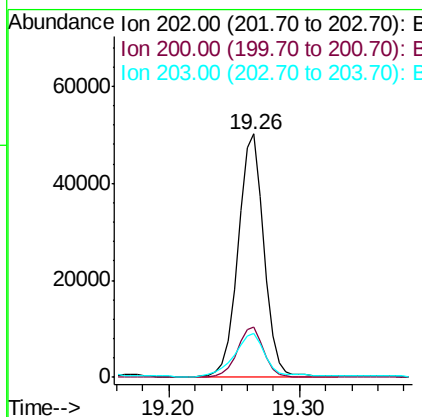
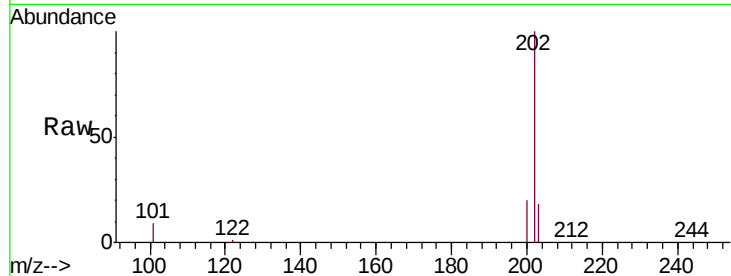
#27
 Pyrene
 Concen: 0.355 ng
 RT: 19.26 min Scan# 1924
 Delta R.T. -0.01 min
 Lab File: BN007083.D
 Acq: 11 Aug 2019 12:50

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-B260-073019

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	21.2	14.0	21.0

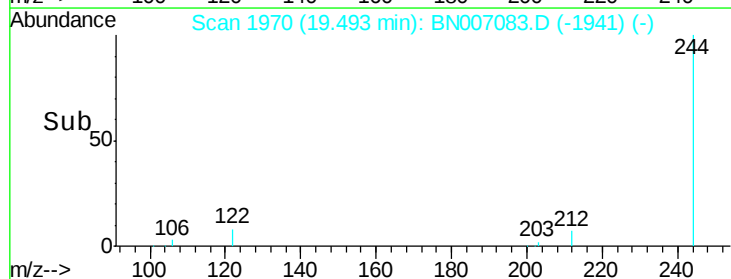
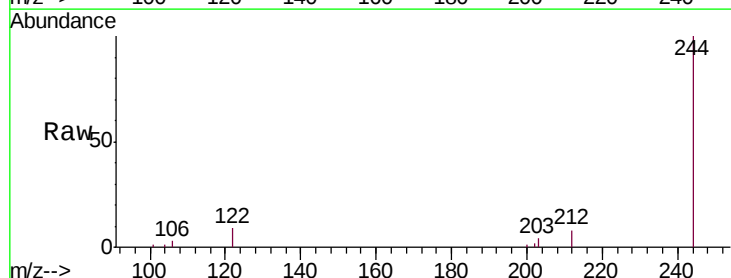
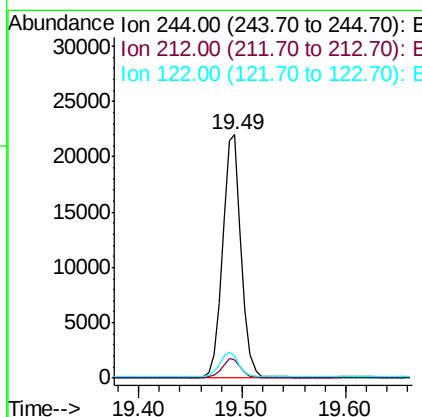
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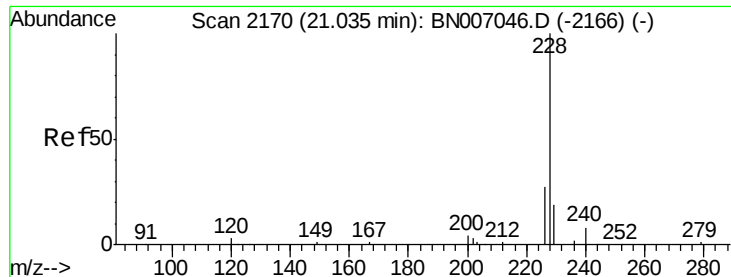
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#28
 Terphenyl-d14
 Concen: 0.177 ng
 RT: 19.49 min Scan# 1970
 Delta R.T. -0.01 min
 Lab File: BN007083.D
 Acq: 11 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	9.1	7.4	11.2





#29

Benzo(a)anthracene

Concen: 0.236 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007083.D

Acq: 11 Aug 2019 12:50

Instrument :

BNA_N

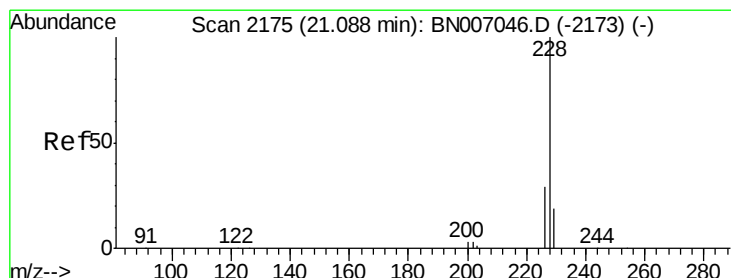
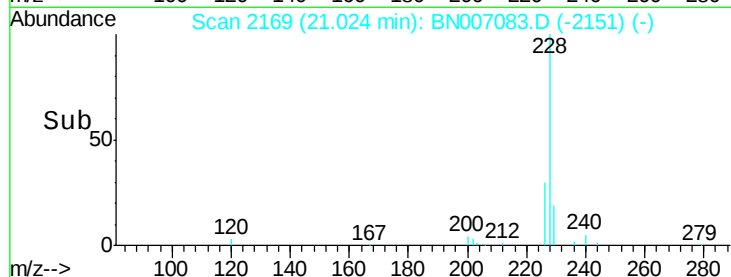
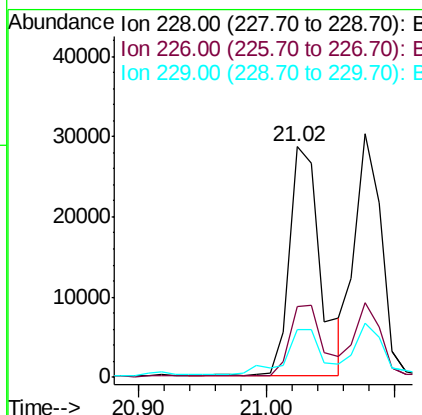
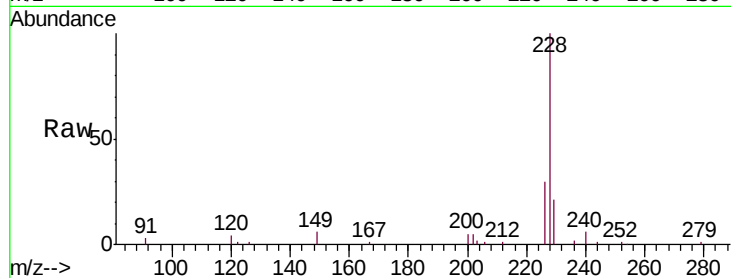
ClientSampleId :

PST-006-B260-073019

Tgt Ion:	228	Resp:	47974
Ion Ratio	Lower	Upper	
228	100		
226	30.5	21.8	32.6
229	20.5	15.6	23.4

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#30

Chrysene

Concen: 0.217 ng

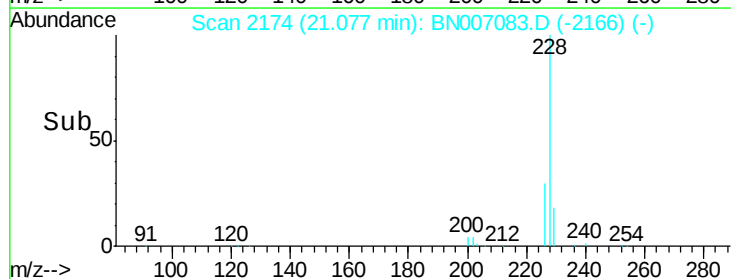
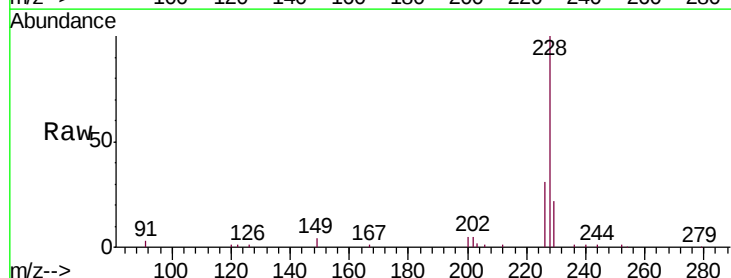
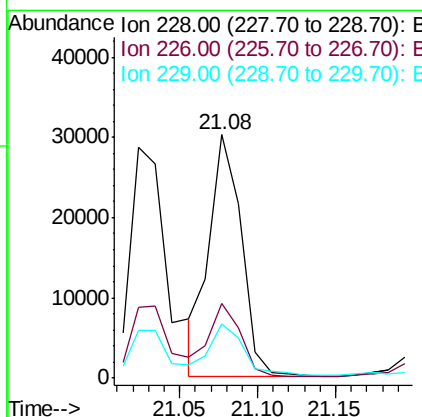
RT: 21.08 min Scan# 2174

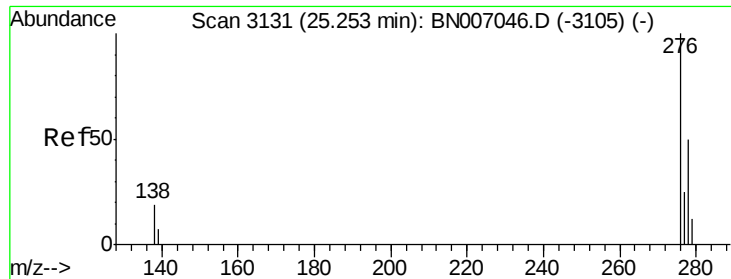
Delta R.T. -0.01 min

Lab File: BN007083.D

Acq: 11 Aug 2019 12:50

Tgt Ion:	228	Resp:	42817
Ion Ratio	Lower	Upper	
228	100		
226	30.7	23.8	35.6
229	22.0	15.7	23.5





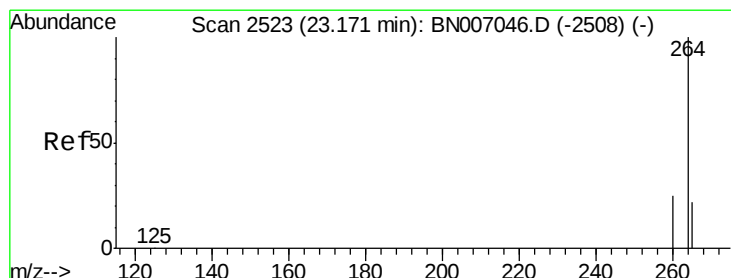
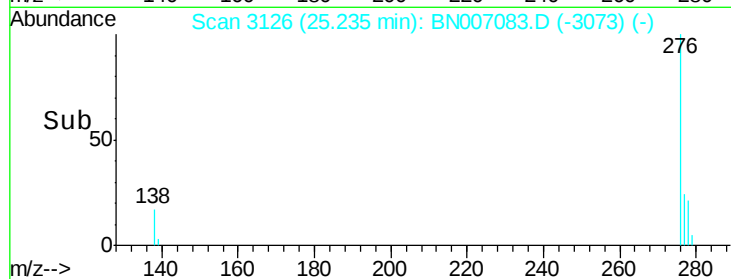
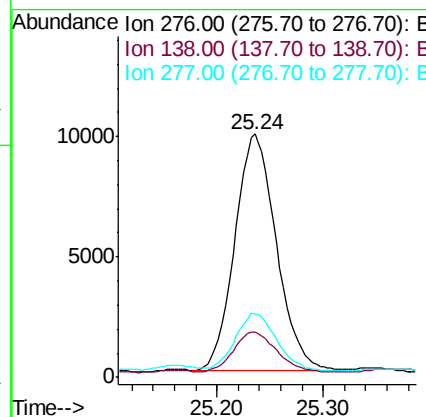
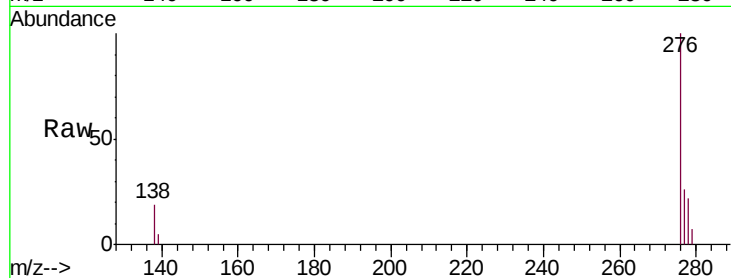
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.123 ng
 RT: 25.24 min Scan# 3126
 Delta R.T. -0.02 min
 Lab File: BN007083.D
 Acq: 11 Aug 2019 12:50

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-B260-073019

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	26685		
138	17.7	16.0	24.0	
277	24.3	19.9	29.9	

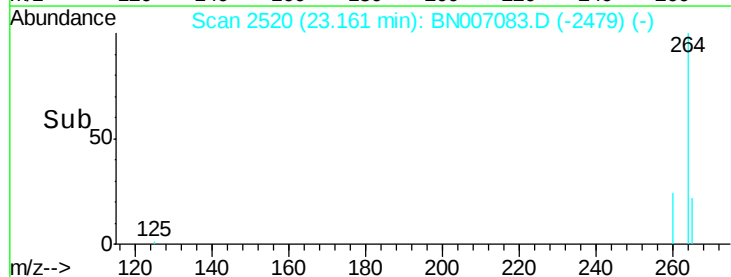
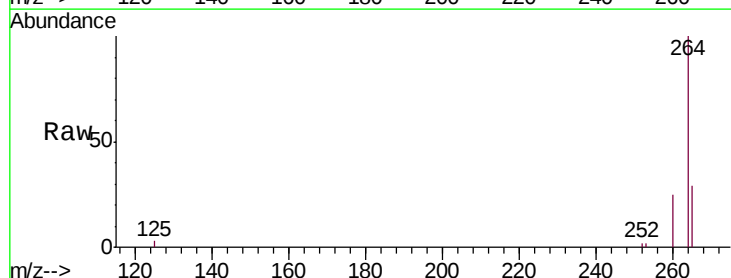
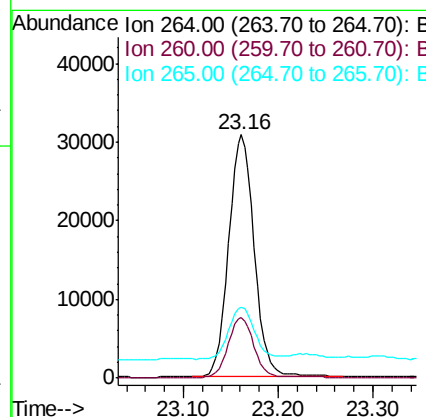
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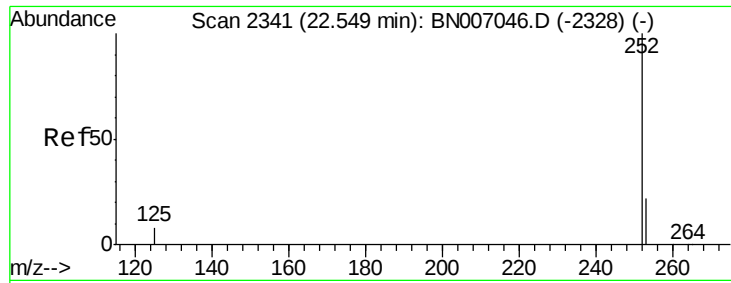
mohammad
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#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2520
 Delta R.T. -0.01 min
 Lab File: BN007083.D
 Acq: 11 Aug 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	58319		
260	24.7	19.8	29.8	
265	29.3	26.2	39.4	





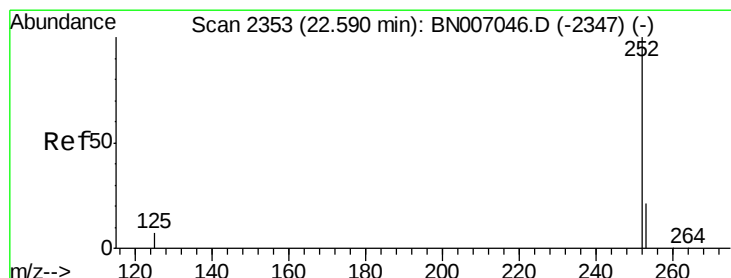
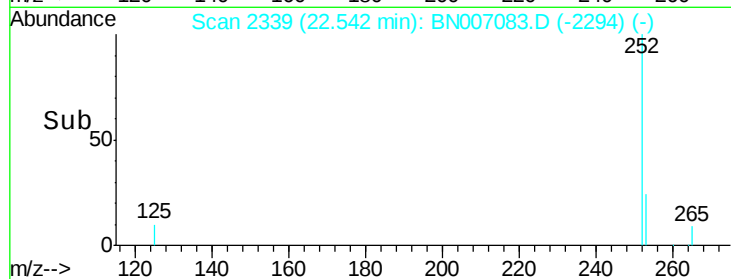
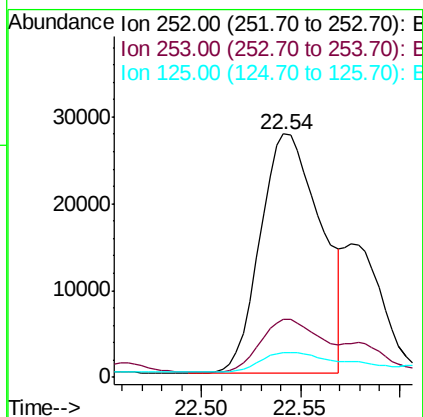
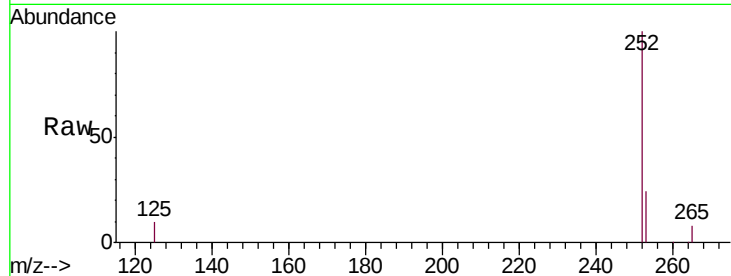
#33
Benzo(b)fluoranthene
Concen: 0.294 ng
RT: 22.54 min Scan# 2339
Delta R.T. -0.01 min
Lab File: BN007083.D
Acq: 11 Aug 2019 12:50

Instrument :
BNA_N
ClientSampleId :
PST-006-B260-073019

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	10.1	7.4	11.0

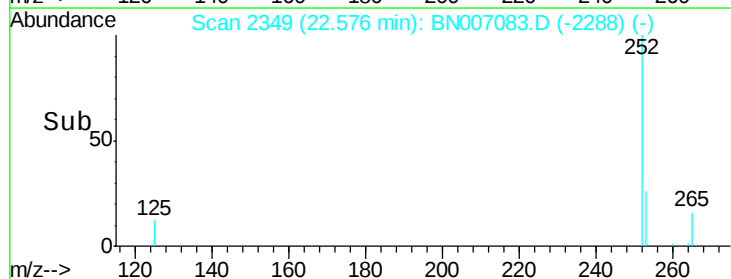
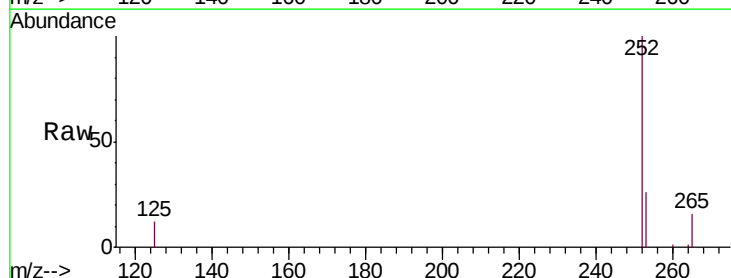
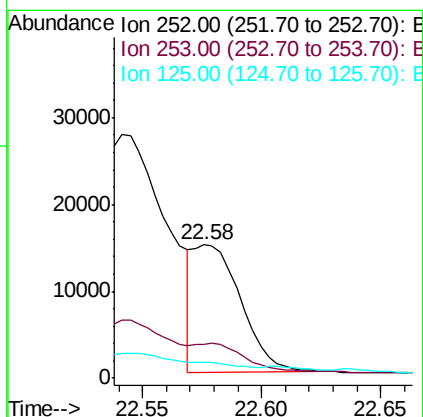
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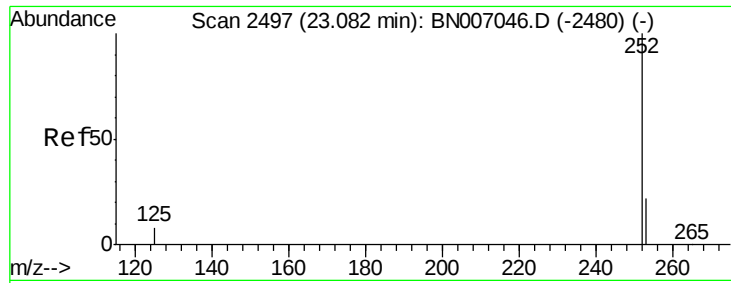
mohammad
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#34
Benzo(k)fluoranthene
Concen: 0.103 ng m
RT: 22.58 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BN007083.D
Acq: 11 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.1	27.1
125	12.0	7.4	11.0#





#35

Benzo(a)pyrene

Concen: 0.207 ng

RT: 23.07 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BN007083.D

Acq: 11 Aug 2019 12:50

Instrument :

BNA_N

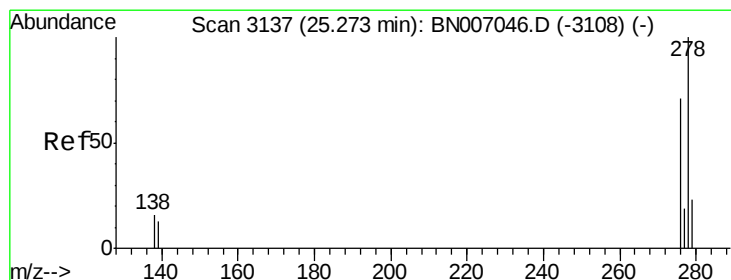
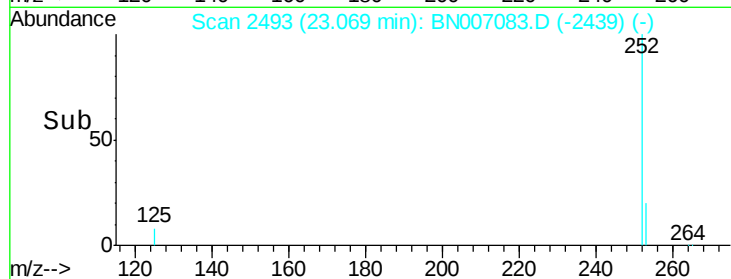
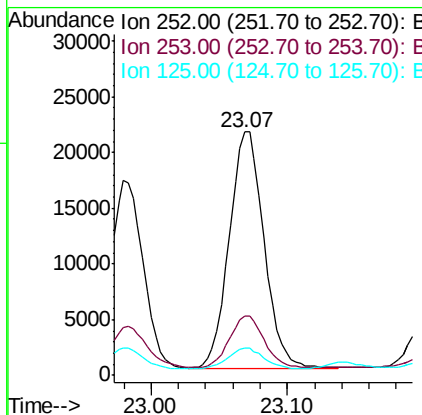
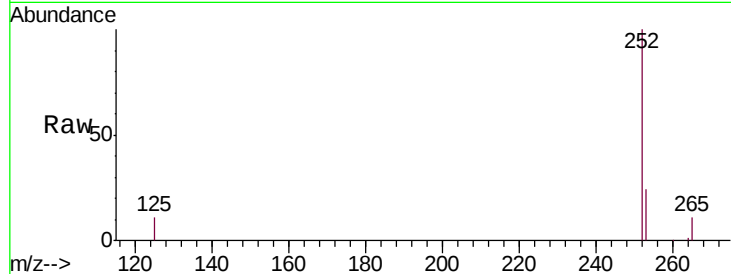
ClientSampleId :

PST-006-B260-073019

Tgt Ion:	252	Resp:	37597
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.5	27.7
125	11.1	8.2	12.4

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#36

Dibenzo(a,h)anthracene

Concen: 0.041 ng

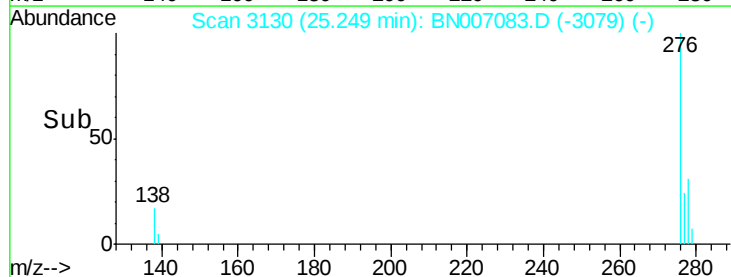
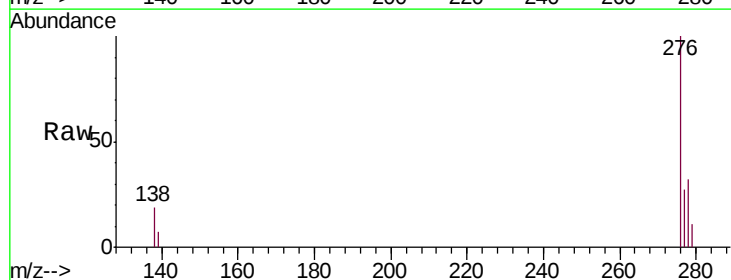
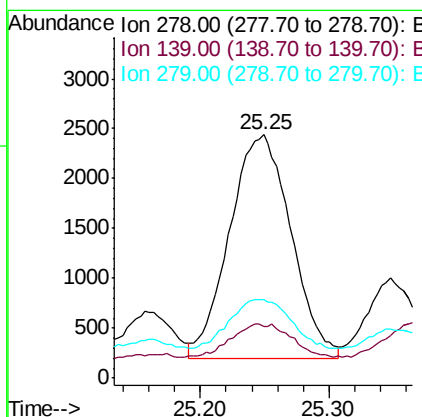
RT: 25.25 min Scan# 3130

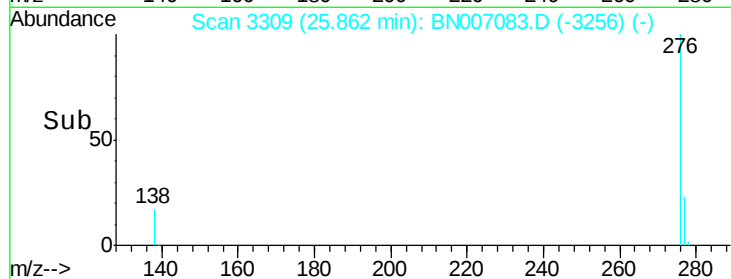
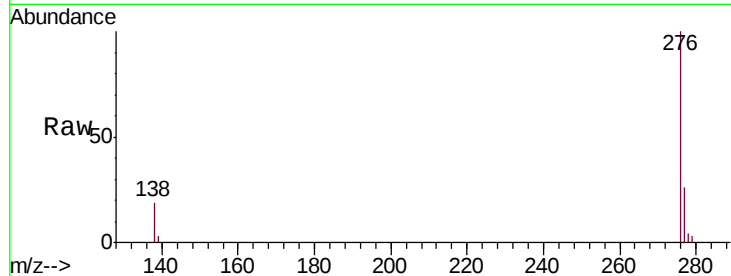
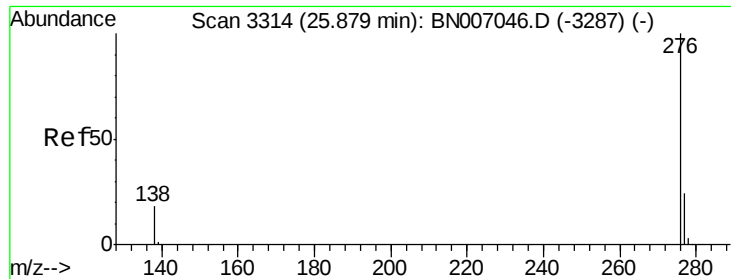
Delta R.T. -0.02 min

Lab File: BN007083.D

Acq: 11 Aug 2019 12:50

Tgt Ion:	278	Resp:	7474
Ion Ratio	Lower	Upper	
278	100		
139	21.5	11.3	16.9#
279	32.4	19.3	28.9#





#37

Benzo(g,h,i)perylene

Concen: 0.145 ng

RT: 25.86 min Scan# 3309

Delta R.T. -0.02 min

Lab File: BN007083.D

Acq: 11 Aug 2019 12:50

Instrument :

BNA_N

ClientSampleId :

PST-006-B260-073019

Tgt Ion:	276	Resp:	26957
Ion Ratio	Lower	Upper	
276	100		
277	25.9	19.8	29.8
138	19.3	14.6	22.0

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