

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
 Data File : BN007060.D
 Acq On : 10 Aug 2019 22:22
 Operator : HP/JU
 Sample : K4143-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-SW052-073019

Manual Integrations
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mohammad
 8/14/2019 2:56:18 AM

Quant Time: Aug 12 05:01:14 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	9077	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	34866	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	20083	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	49970	0.40	ng	0.00
26) Chrysene-d12	21.05	240	53107	0.40	ng	-0.01
32) Perylene-d12	23.16	264	57366	0.40	ng	-0.01

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	6140	0.28	ng	0.00
4) Phenol-d6	6.61	99	8245	0.31	ng	0.00
7) Nitrobenzene-d5	8.56	82	6288	0.22	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	15110	0.23	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1987	0.18	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	6534	0.22	ng	0.00
24) Fluoranthene-d10	18.87	212	40638	0.23	ng	0.00
28) Terphenyl-d14	19.49	244	31977	0.22	ng	-0.01

Target Compounds

						Qvalue
15) Acenaphthylene	13.79	152	11126	0.106	ng	99
22) Phenanthrene	16.87	178	38556	0.257	ng	99
23) Anthracene	16.96	178	7157	0.052	ng	# 96
25) Fluoranthene	18.90	202	73693	0.385	ng	100
27) Pyrene	19.26	202	71752	0.385	ng	97
29) Benzo(a)anthracene	21.02	228	34407m	0.177	ng	
30) Chrysene	21.08	228	46094	0.244	ng	97
31) Indeno(1,2,3-cd)pyrene	25.23	276	27707	0.133	ng	97
33) Benzo(b)fluoranthene	22.54	252	59291	0.301	ng	97
34) Benzo(k)fluoranthene	22.58	252	19455m	0.100	ng	
35) Benzo(a)pyrene	23.07	252	36084	0.202	ng	97
36) Dibenzo(a,h)anthracene	25.25	278	7532	0.042	ng	# 79
37) Benzo(g,h,i)perylene	25.86	276	29562	0.162	ng	98

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

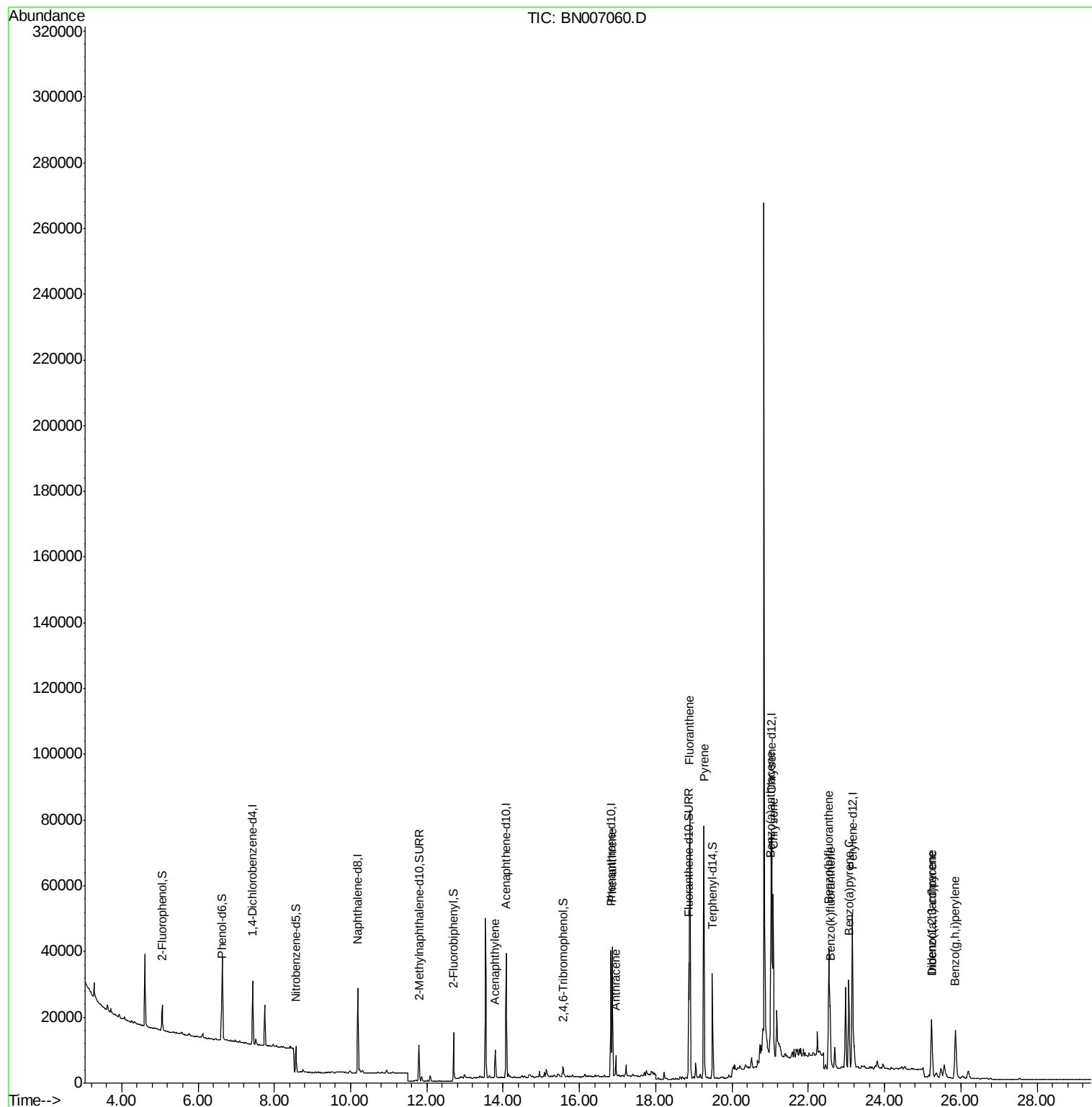
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

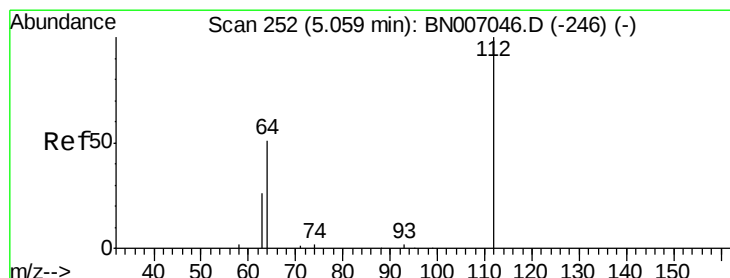
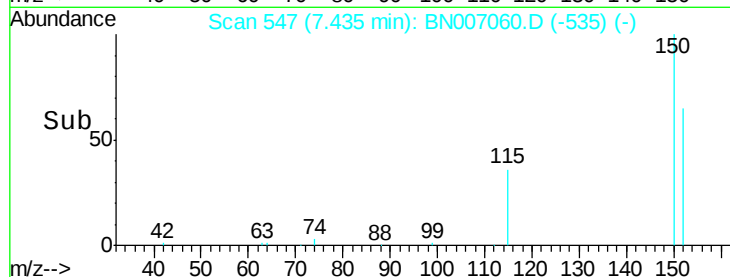
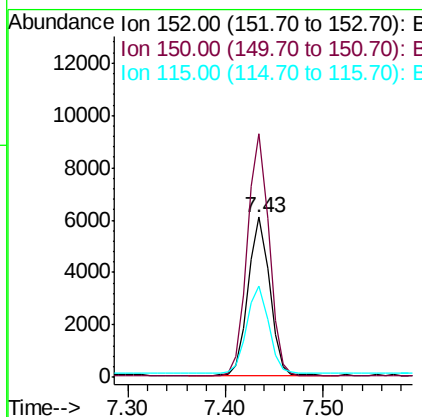
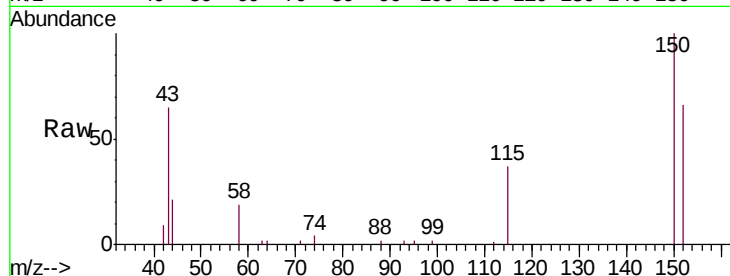
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007060.D
Acq: 10 Aug 2019 22:22

Instrument :
BNA_N
ClientSampleId :
PST-006-SW052-073019

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.9	121.7	182.5
115	56.8	46.2	69.4

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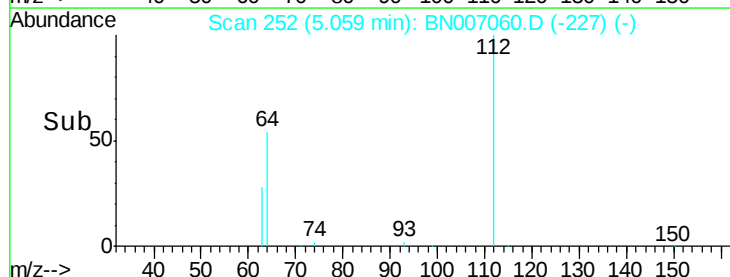
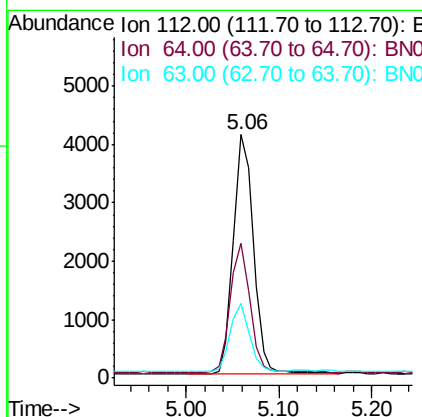
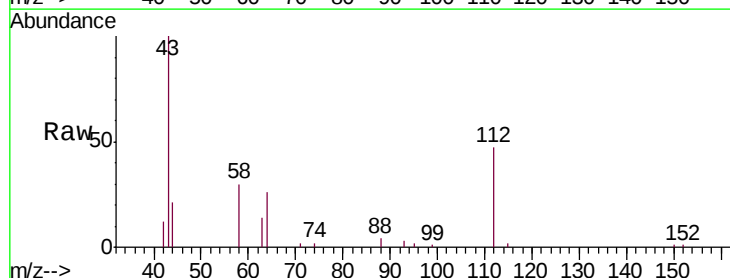
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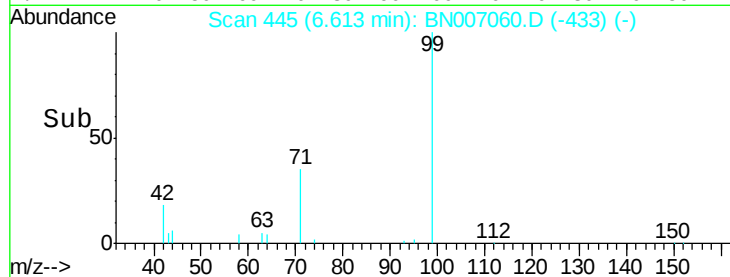
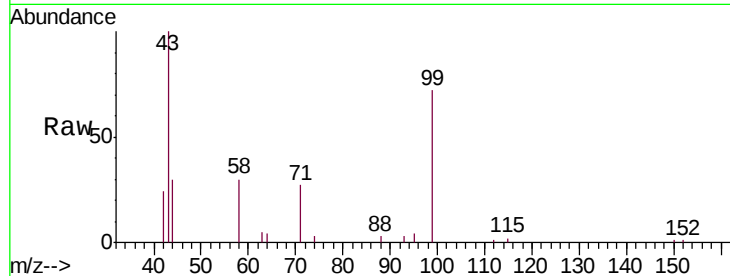
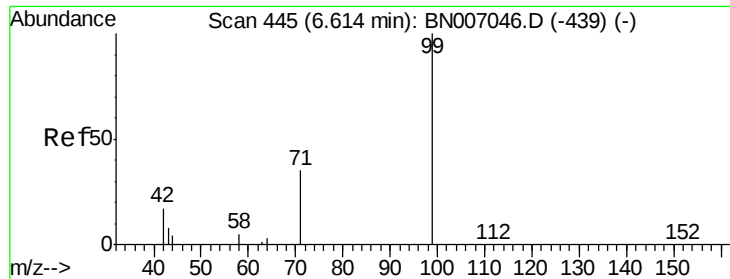


#3

2-Fluorophenol
Concen: 0.282 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007060.D
Acq: 10 Aug 2019 22:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	42.6	63.8
63	27.2	22.2	33.2





#4

Phenol-d6

Concen: 0.305 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007060.D

Acq: 10 Aug 2019 22:22

Tgt Ion:	99	Resp:	8245
Ion Ratio	Lower	Upper	
99	100		
42	0.0	15.8	23.6#
71	33.7	27.0	40.4

Instrument :

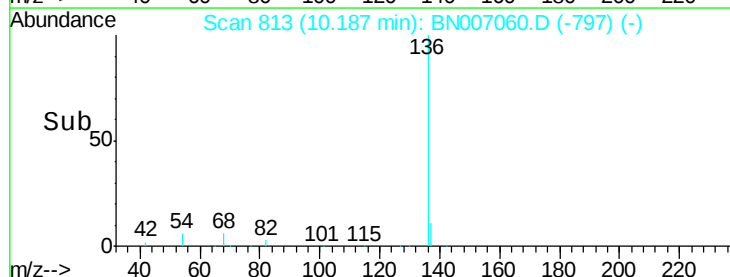
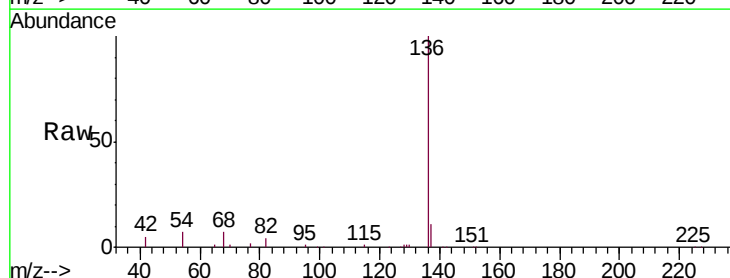
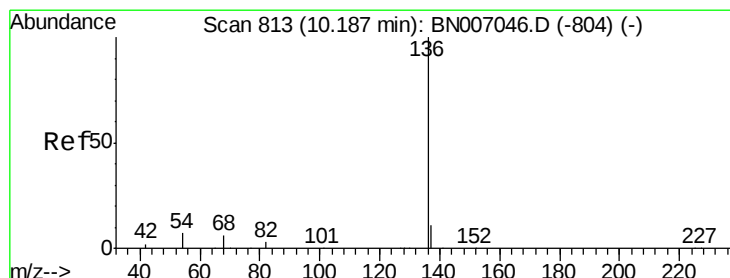
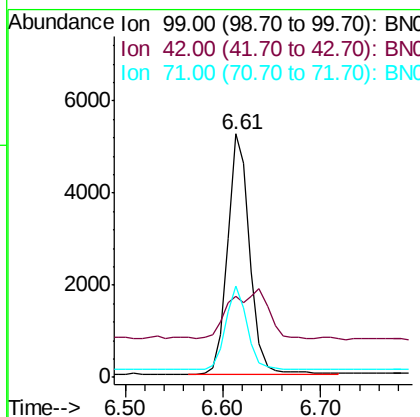
BNA_N

ClientSampleId :

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#6

Naphthalene-d8

Concen: 0.400 ng

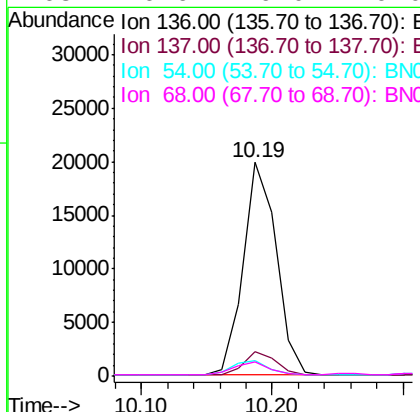
RT: 10.19 min Scan# 813

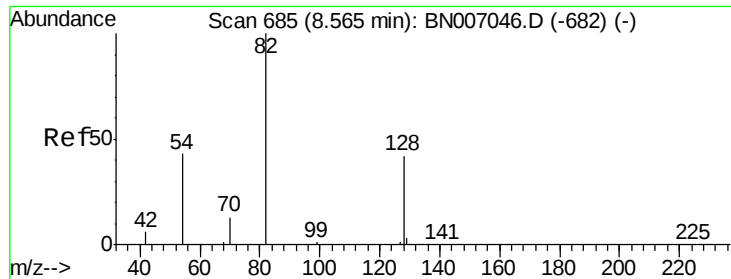
Delta R.T. -0.00 min

Lab File: BN007060.D

Acq: 10 Aug 2019 22:22

Tgt Ion:	136	Resp:	34866
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.4	14.0
54	7.2	6.6	9.8
68	6.6	6.0	9.0





#7

Nitrobenzene-d5

Concen: 0.224 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007060.D

Acq: 10 Aug 2019 22:22

Instrument :

BNA_N

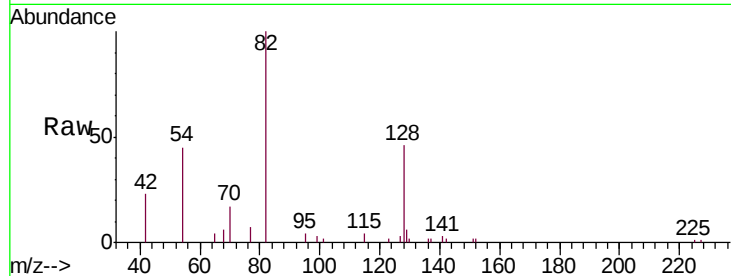
ClientSampleId :

PST-006-SW052-073019

Tgt Ion:	82	Resp:	6288
Ion Ratio	Lower	Upper	
82	100		
128	45.6	34.6	51.8
54	44.5	36.2	54.4

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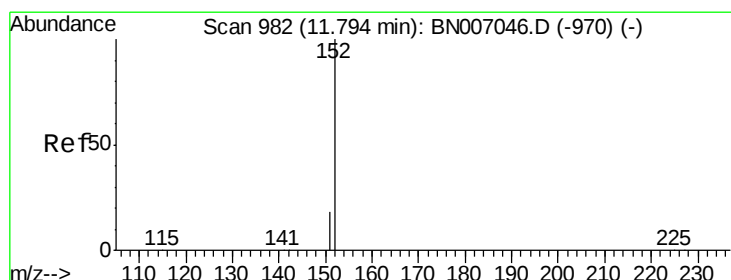
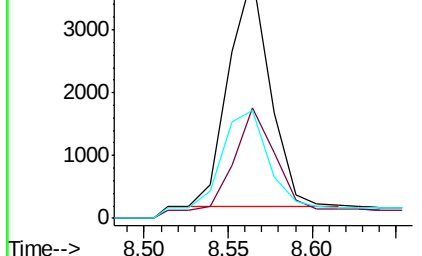
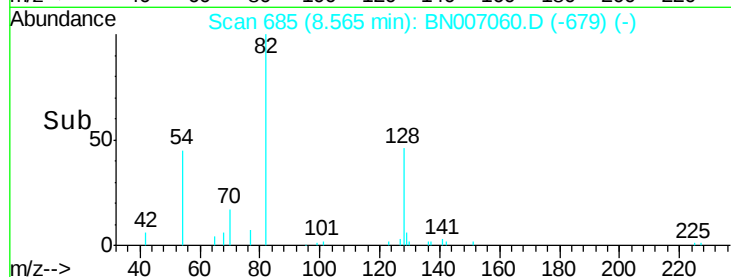


Abundance Ion 82.00 (81.70 to 82.70): BN007046.D (-682) (-)

Ion 128.00 (127.70 to 128.70): BN007046.D (-682) (-)

Ion 54.00 (53.70 to 54.70): BN007046.D (-682) (-)

Time-->



#10

2-Methylnaphthalene-d10

Concen: 0.232 ng

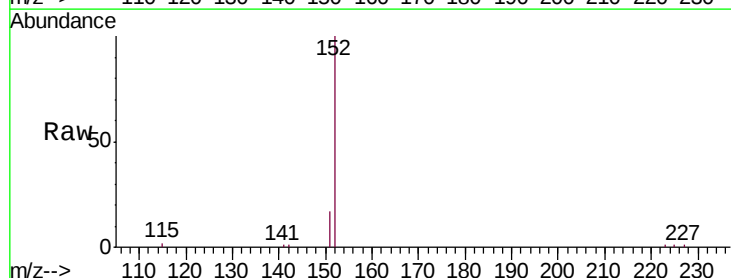
RT: 11.79 min Scan# 981

Delta R.T. -0.00 min

Lab File: BN007060.D

Acq: 10 Aug 2019 22:22

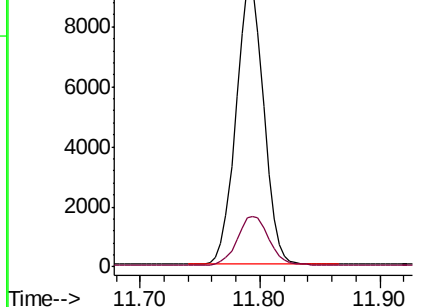
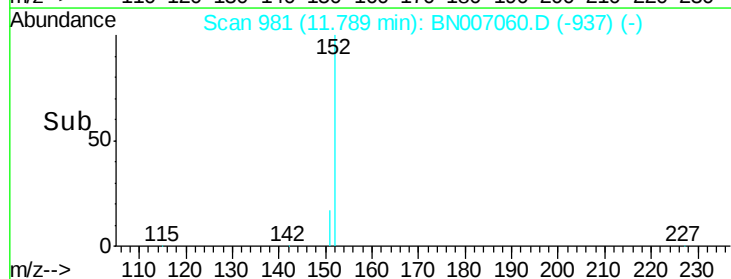
Tgt Ion:	152	Resp:	15110
Ion Ratio	Lower	Upper	
152	100		
151	19.2	15.5	23.3

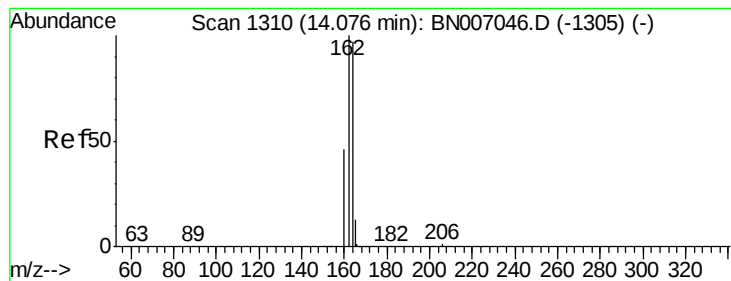


Abundance Ion 152.00 (151.70 to 152.70): BN007046.D (-970) (-)

Ion 151.00 (150.70 to 151.70): BN007046.D (-970) (-)

Time-->





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007060.D

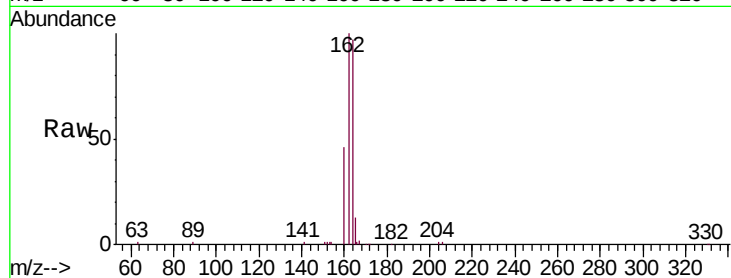
Acq: 10 Aug 2019 22:22

Instrument :

BNA_N

ClientSampleId :

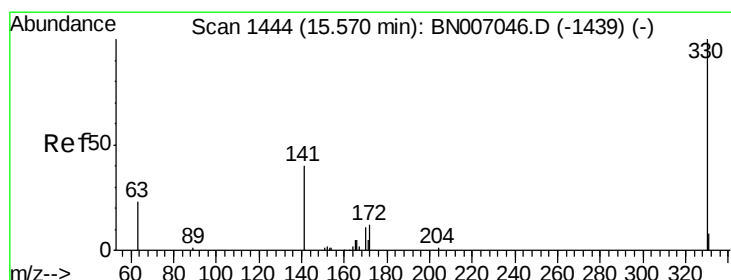
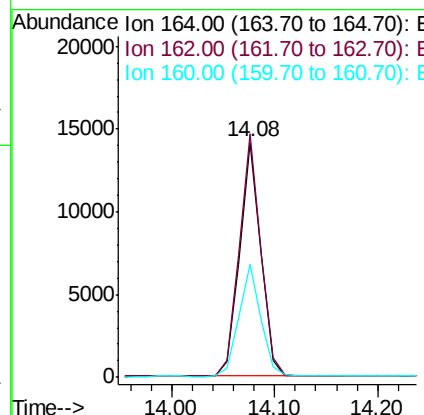
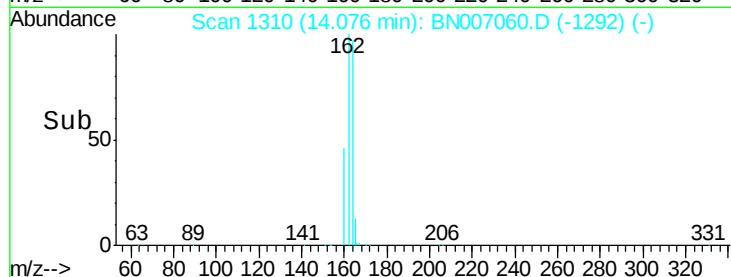
PST-006-SW052-073019



Tgt Ion:	164	Resp:	20083
Ion Ratio	Lower	Upper	
164	100		
162	103.6	82.2	123.4
160	48.2	38.3	57.5

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#13

2,4,6-Tribromophenol

Concen: 0.184 ng

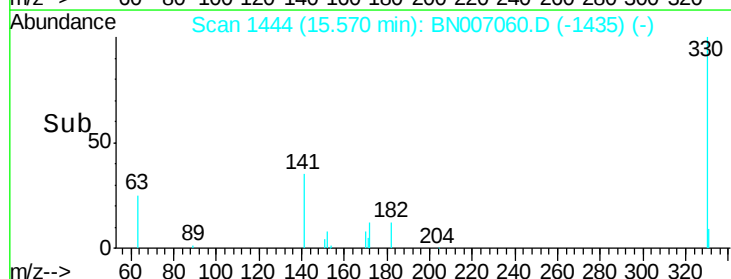
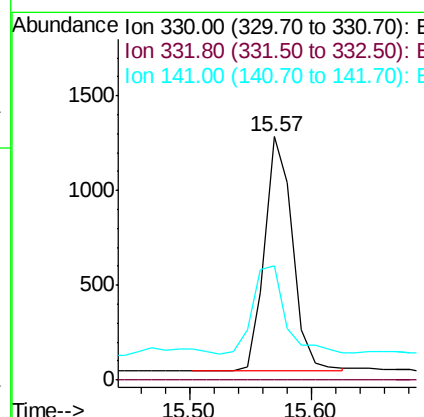
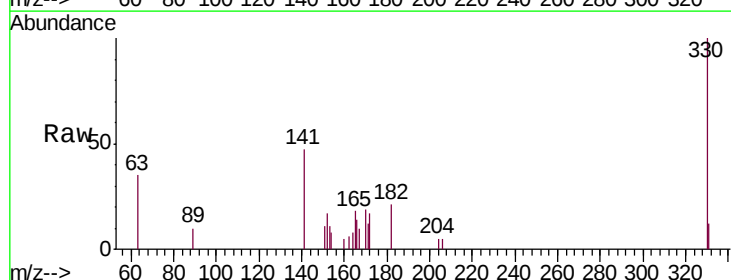
RT: 15.57 min Scan# 1444

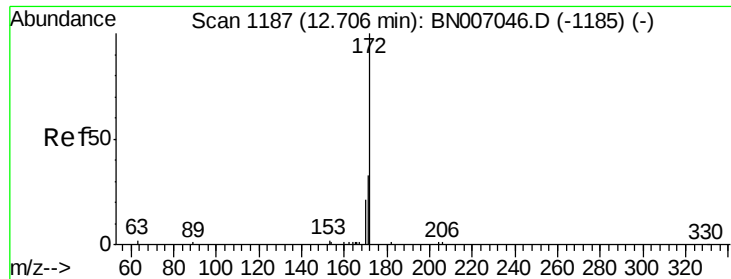
Delta R.T. -0.00 min

Lab File: BN007060.D

Acq: 10 Aug 2019 22:22

Tgt Ion:	330	Resp:	1987
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	45.0	33.6	50.4





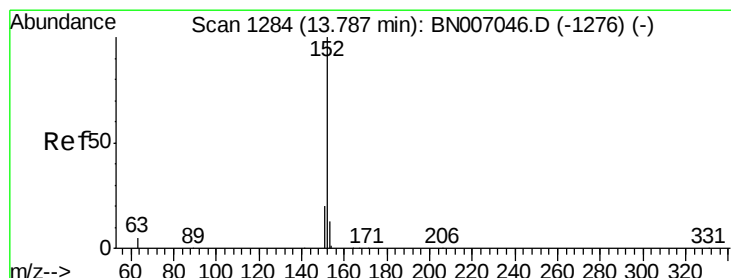
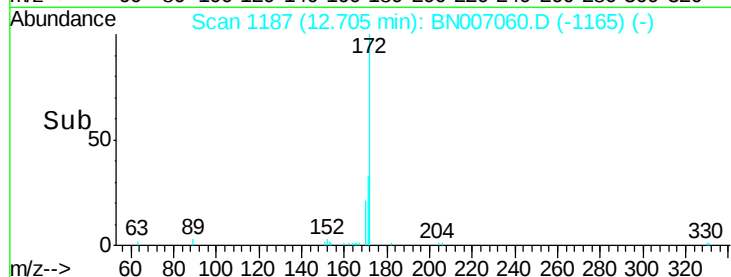
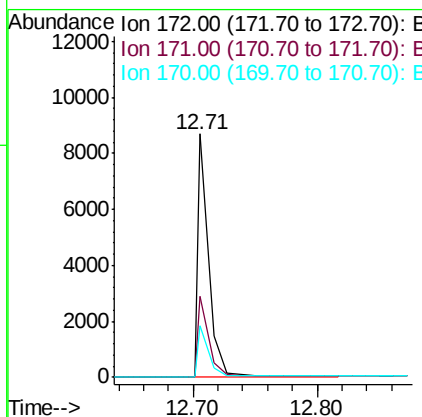
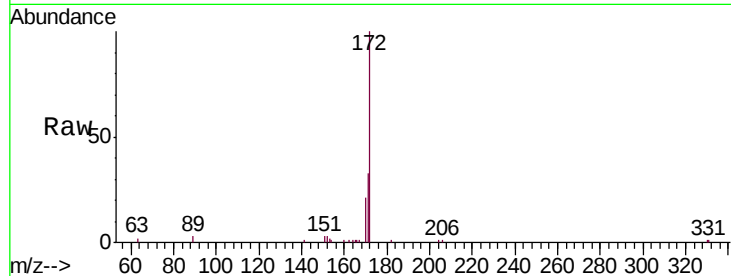
#14
2-Fluorobiphenyl
Concen: 0.224 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007060.D
Acq: 10 Aug 2019 22:22

Instrument :
BNA_N
ClientSampleId :
PST-006-SW052-073019

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.1	26.3	39.5
170	21.1	17.0	25.4

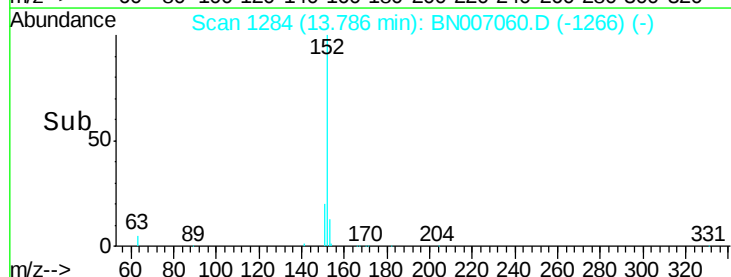
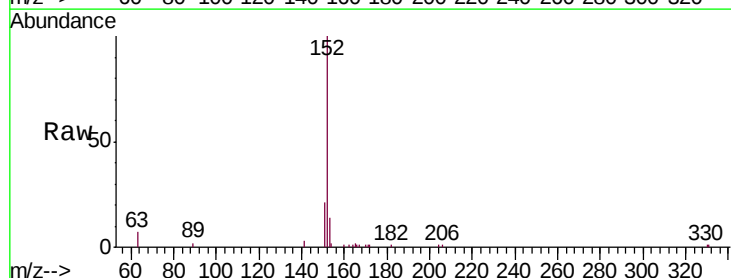
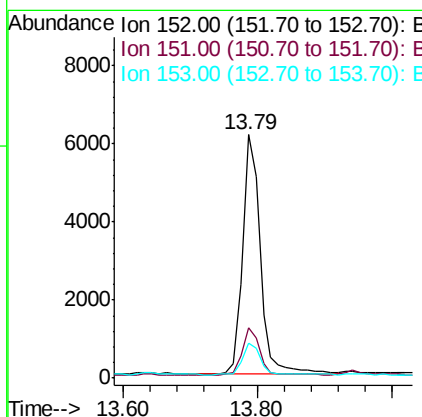
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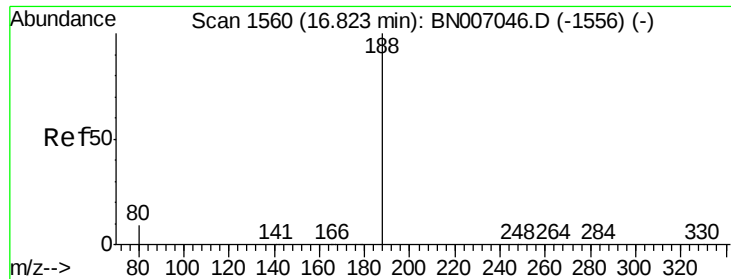
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#15
Acenaphthylene
Concen: 0.106 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007060.D
Acq: 10 Aug 2019 22:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.6
153	13.9	10.4	15.6





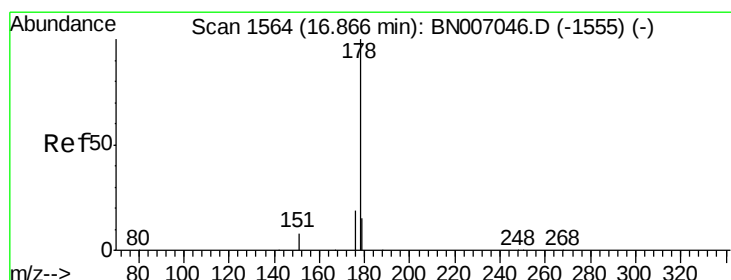
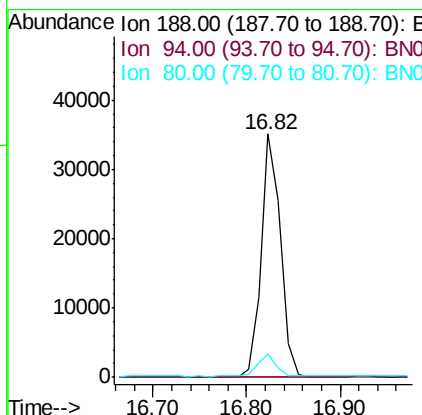
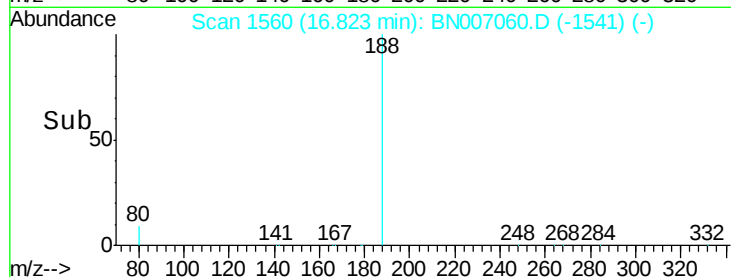
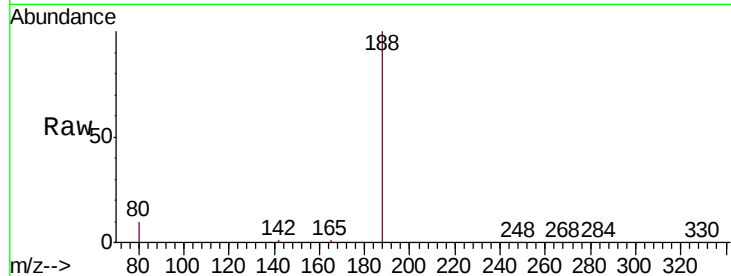
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007060.D
Acq: 10 Aug 2019 22:22

Instrument :
BNA_N
ClientSampleId :
PST-006-SW052-073019

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	9.5	7.8	11.6

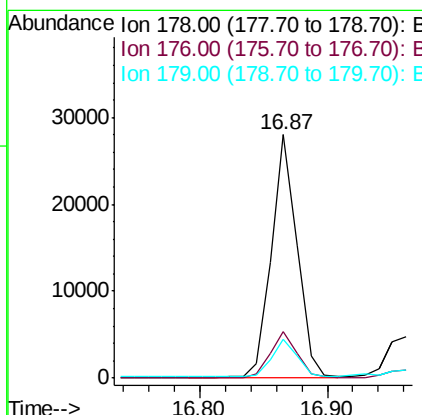
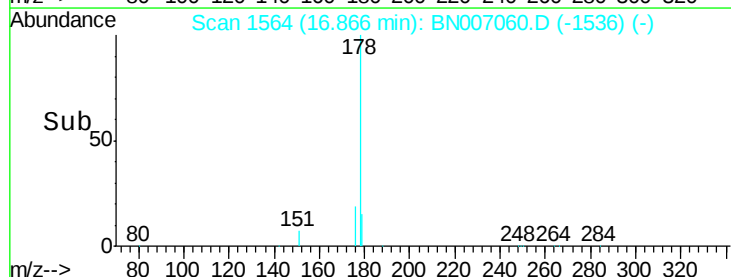
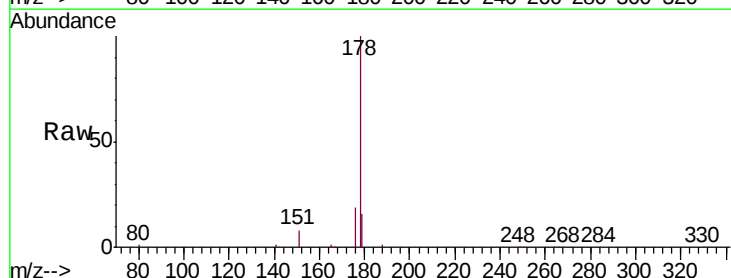
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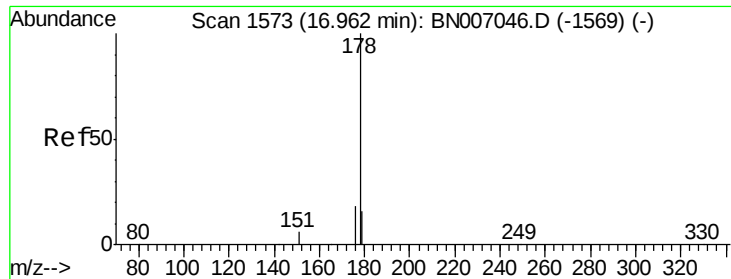
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#22
Phenanthrene
Concen: 0.257 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007060.D
Acq: 10 Aug 2019 22:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.2	15.2	22.8
179	15.7	12.3	18.5





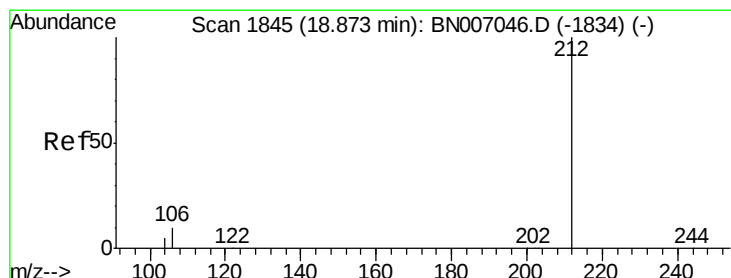
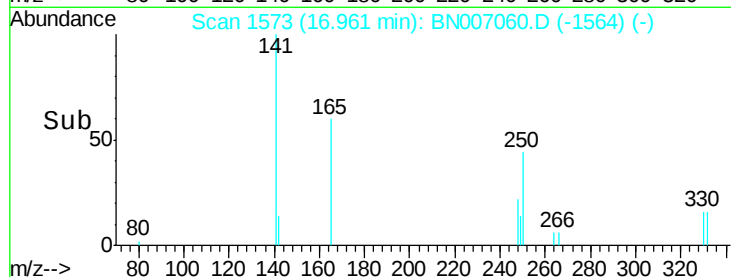
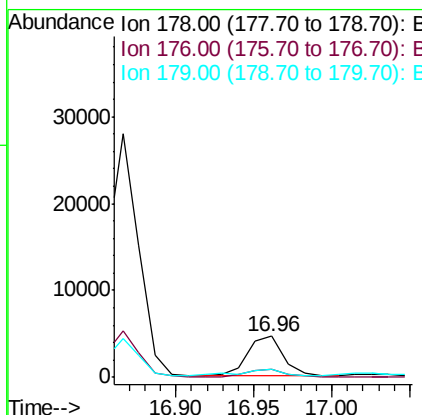
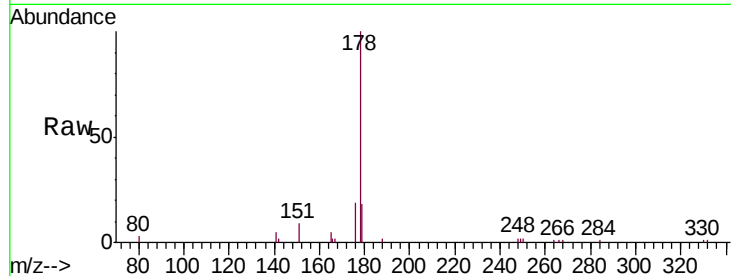
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 Anthracene
 Concen: 0.052 ng
 RT: 16.96 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BN007060.D
 Acq: 10 Aug 2019 22:22

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-SW052-073019

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	18.8	12.5	18.7

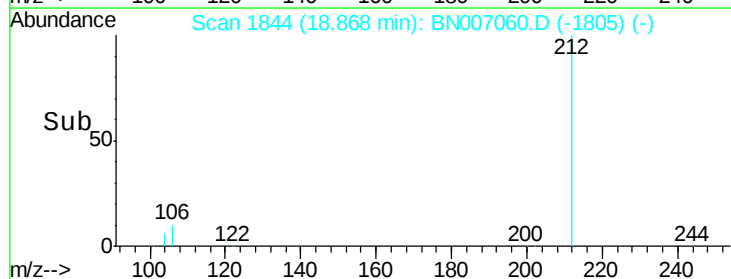
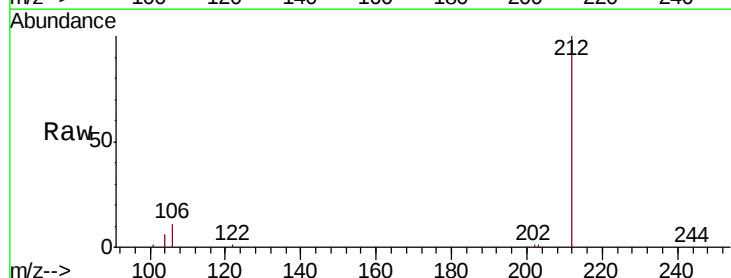
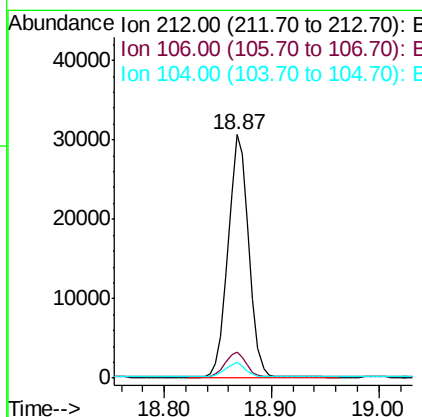
Manual Integrations
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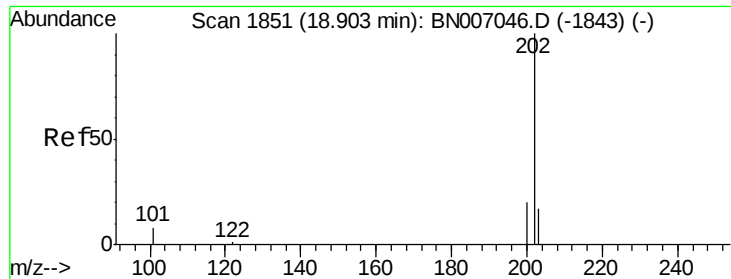
mohammad
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#24
 Fluoranthene-d10
 Concen: 0.229 ng
 RT: 18.87 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BN007060.D
 Acq: 10 Aug 2019 22:22

Tgt Ion	Ratio	Lower	Upper
212	100		
106	10.1	8.2	12.2
104	5.7	4.5	6.7





#25

Fluoranthene

Concen: 0.385 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007060.D

Acq: 10 Aug 2019 22:22

Instrument :

BNA_N

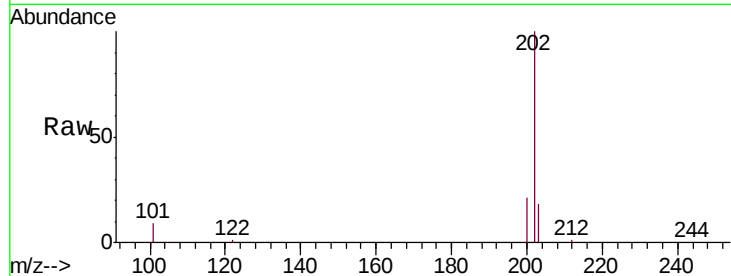
ClientSampleId :

PST-006-SW052-073019

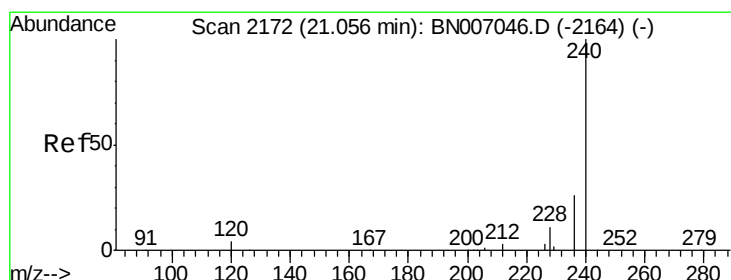
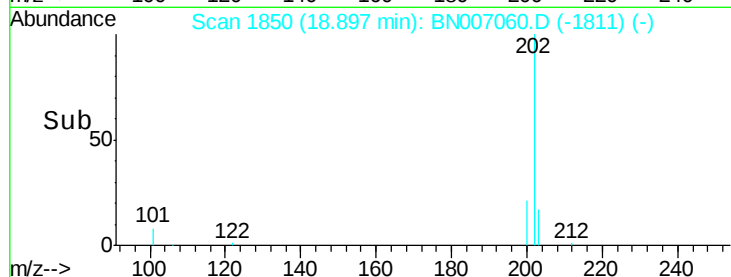
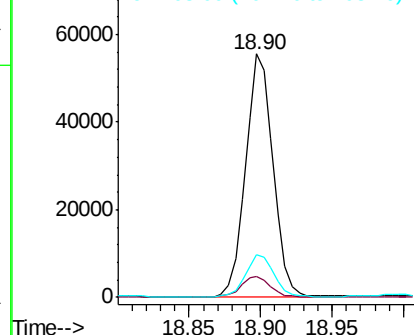
Tgt Ion:	202	Resp:	73693
Ion Ratio	Lower	Upper	
202	100		
101	8.5	7.0	10.4
203	17.4	13.8	20.8

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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

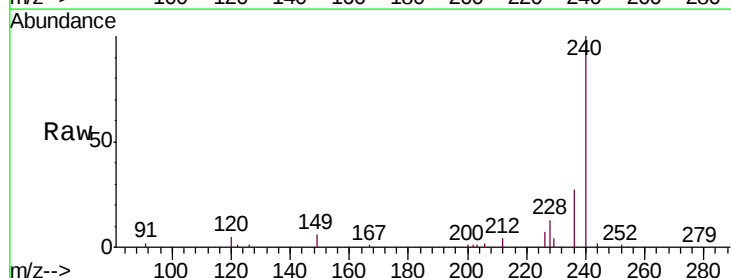
RT: 21.05 min Scan# 2171

Delta R.T. -0.01 min

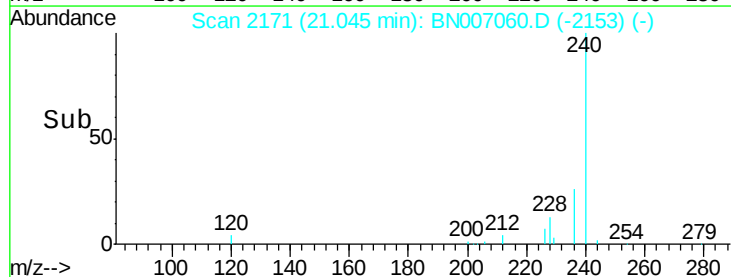
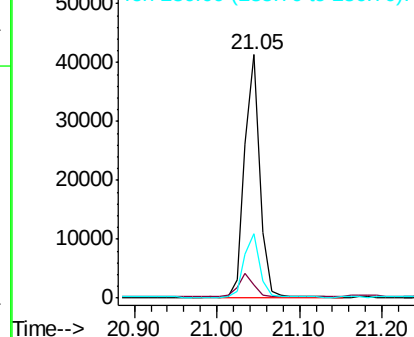
Lab File: BN007060.D

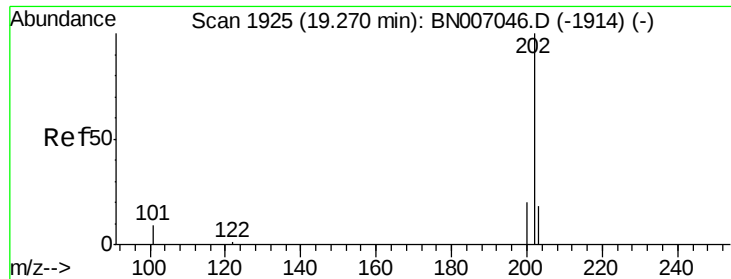
Acq: 10 Aug 2019 22:22

Tgt Ion:	240	Resp:	53107
Ion Ratio	Lower	Upper	
240	100		
120	5.4	4.0	6.0
236	26.6	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





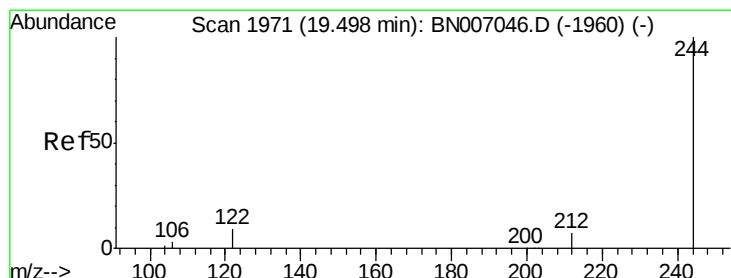
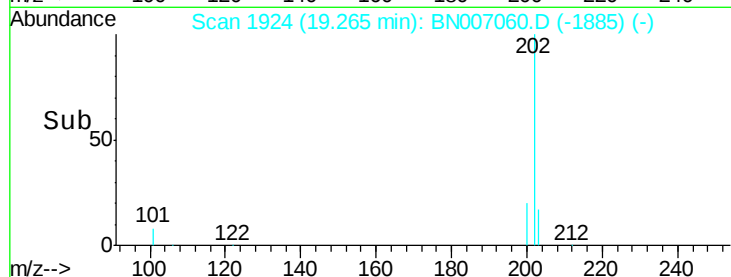
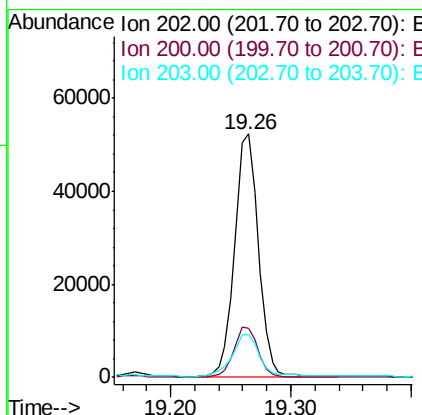
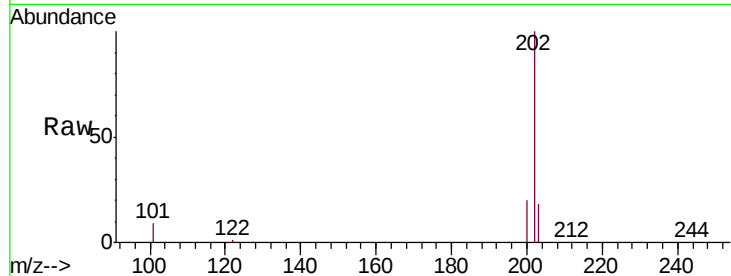
#27
 Pyrene
 Concen: 0.385 ng
 RT: 19.26 min Scan# 1924
 Delta R.T. -0.01 min
 Lab File: BN007060.D
 Acq: 10 Aug 2019 22:22

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-SW052-073019

Tgt Ion:	202	Resp:	71752
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.6	24.8
203	20.2	14.0	21.0

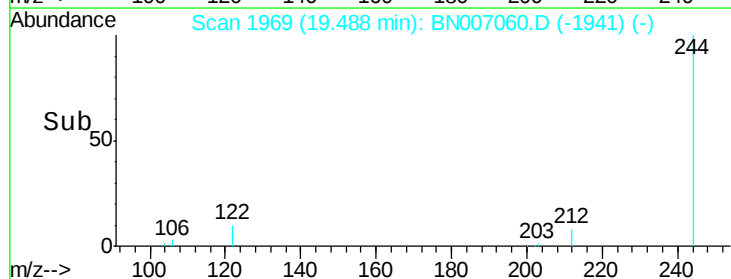
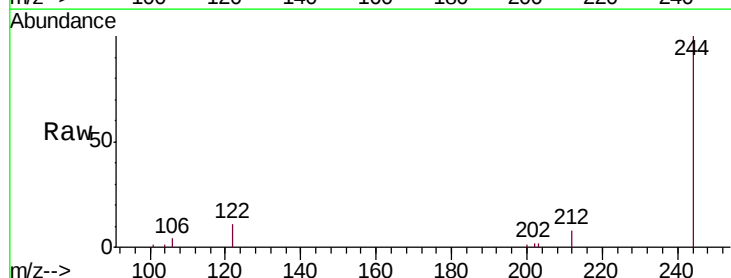
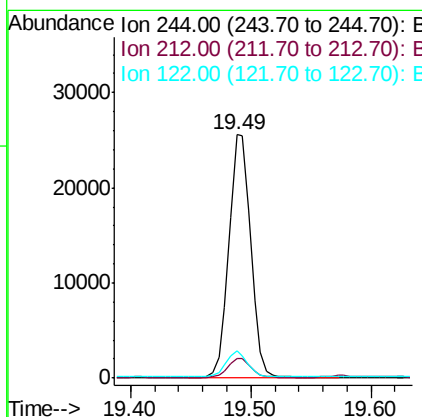
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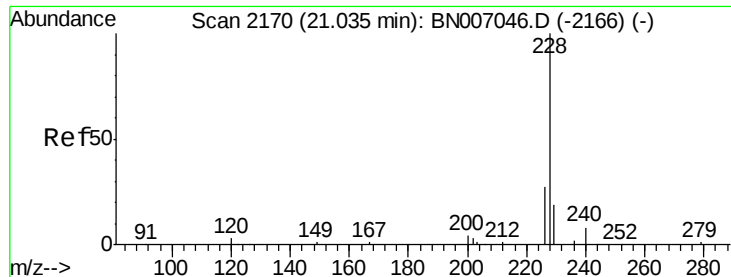
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#28
 Terphenyl-d14
 Concen: 0.221 ng
 RT: 19.49 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BN007060.D
 Acq: 10 Aug 2019 22:22

Tgt Ion:	244	Resp:	31977
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.2	9.2
122	11.2	7.4	11.2





#29

Benzo(a)anthracene

Concen: 0.177 ng m

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007060.D

Acq: 10 Aug 2019 22:22

Instrument :

BNA_N

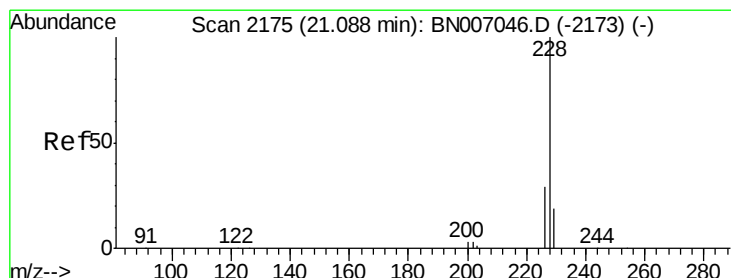
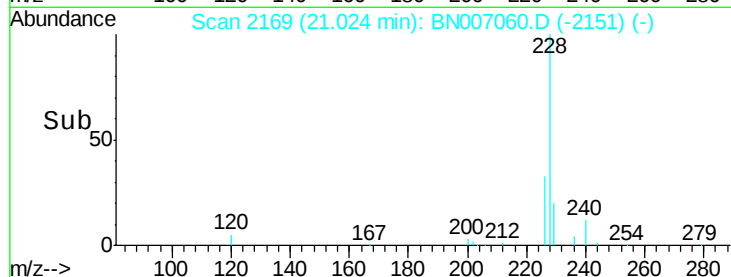
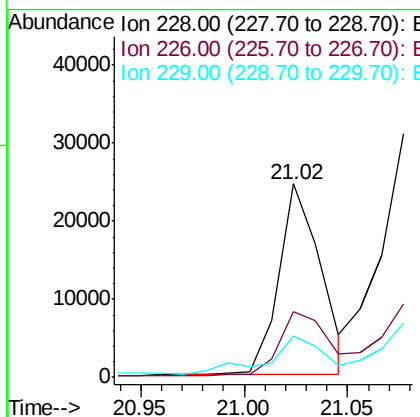
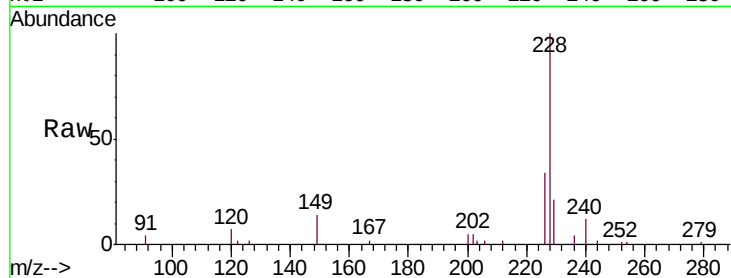
ClientSampleId :

PST-006-SW052-073019

Tgt Ion:	228	Resp:	34407
Ion Ratio	Lower	Upper	
228	100		
226	34.1	21.8	32.6#
229	21.5	15.6	23.4

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#30

Chrysene

Concen: 0.244 ng

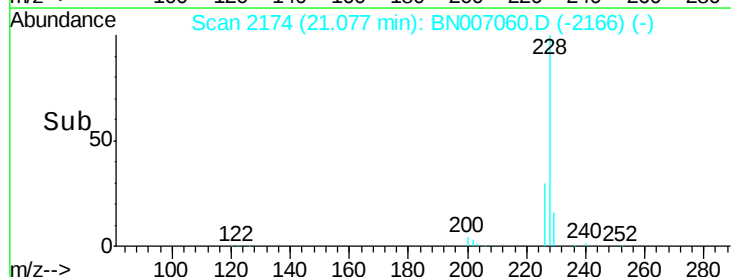
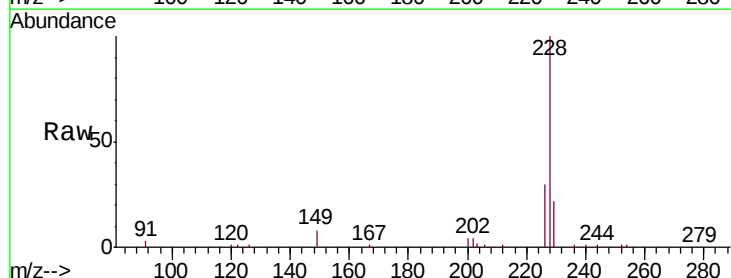
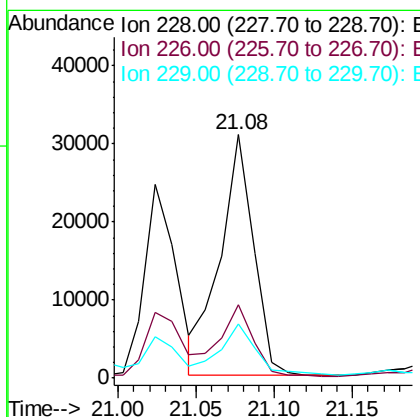
RT: 21.08 min Scan# 2174

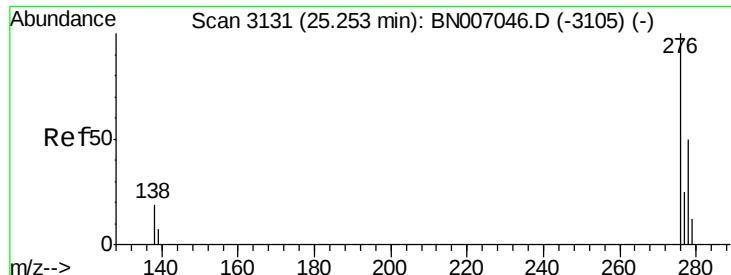
Delta R.T. -0.01 min

Lab File: BN007060.D

Acq: 10 Aug 2019 22:22

Tgt Ion:	228	Resp:	46094
Ion Ratio	Lower	Upper	
228	100		
226	30.3	23.8	35.6
229	22.1	15.7	23.5





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.133 ng

RT: 25.23 min Scan# 3125

Delta R.T. -0.02 min

Lab File: BN007060.D

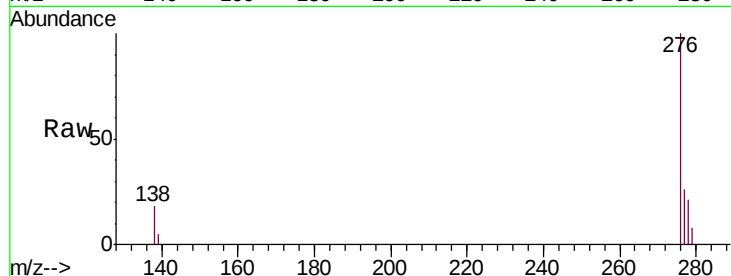
Acq: 10 Aug 2019 22:22

Instrument :

BNA_N

ClientSampleId :

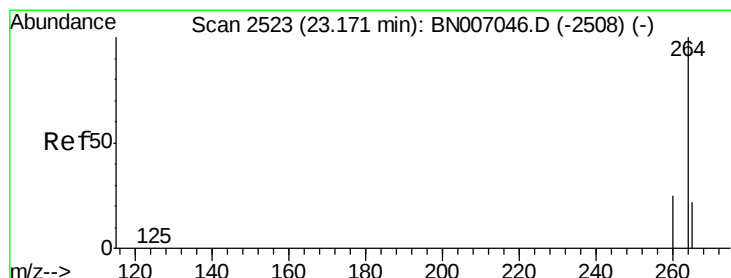
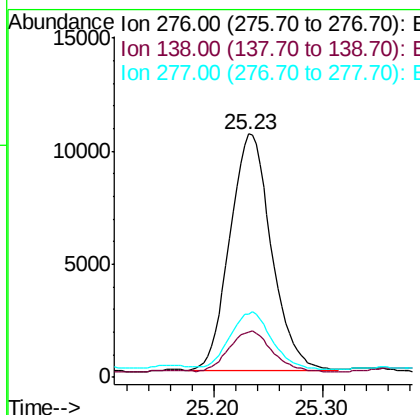
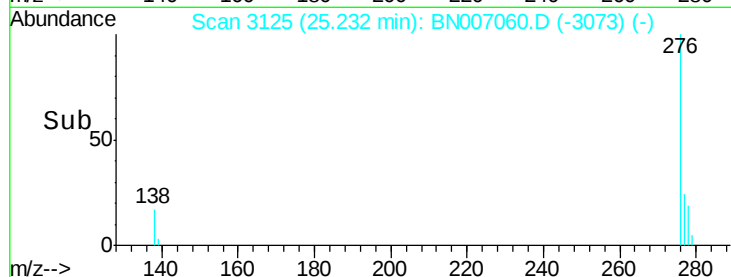
PST-006-SW052-073019



Tgt Ion:	276	Resp:	27707
Ion Ratio	Lower	Upper	
276	100		
138	17.5	16.0	24.0
277	24.6	19.9	29.9

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#32

Perylene-d12

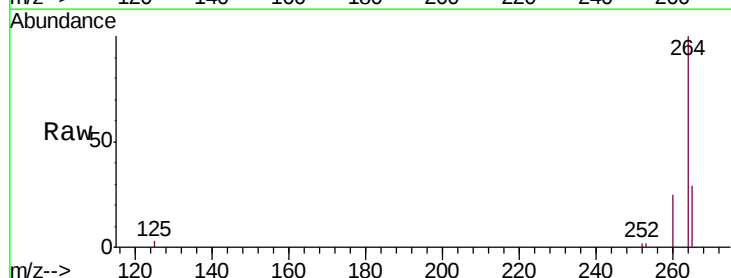
Concen: 0.400 ng

RT: 23.16 min Scan# 2519

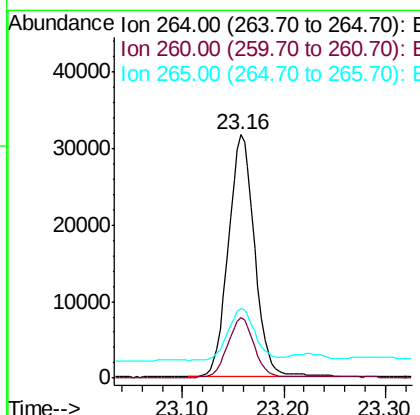
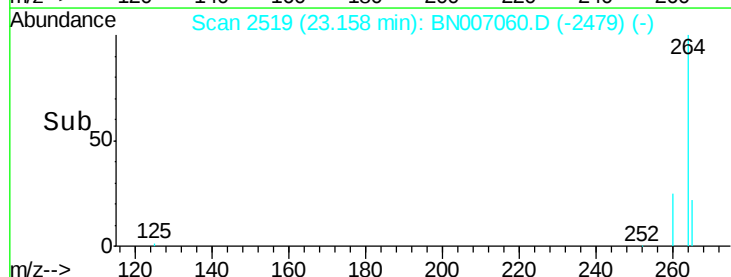
Delta R.T. -0.01 min

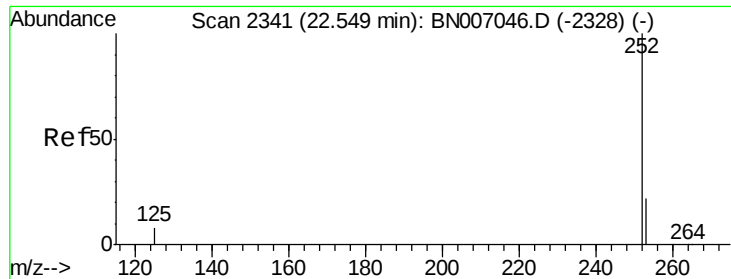
Lab File: BN007060.D

Acq: 10 Aug 2019 22:22



Tgt Ion:	264	Resp:	57366
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.8	29.8
265	28.8	26.2	39.4





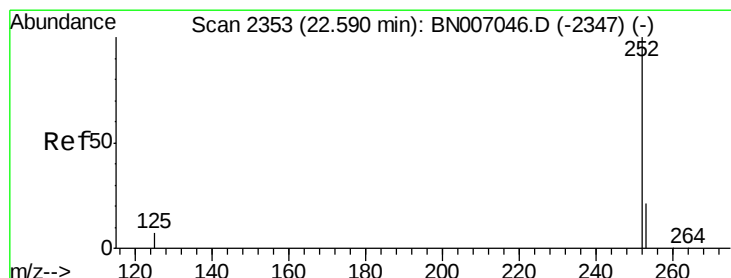
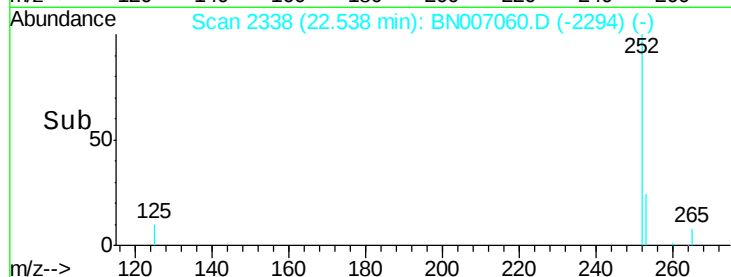
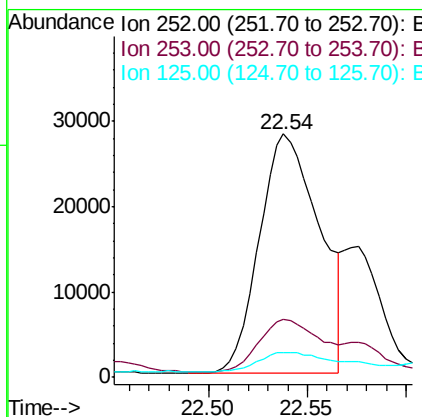
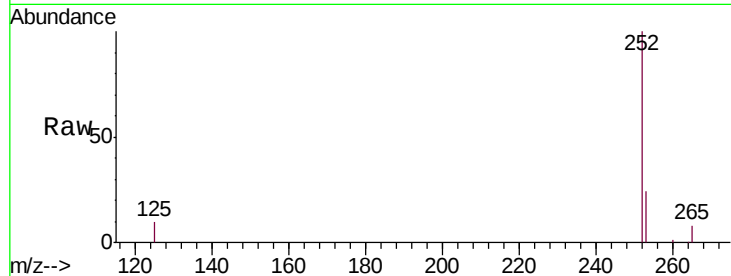
#33
Benzo(b)fluoranthene
Concen: 0.301 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007060.D
Acq: 10 Aug 2019 22:22

Instrument :
BNA_N
ClientSampleId :
PST-006-SW052-073019

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	10.3	7.4	11.0

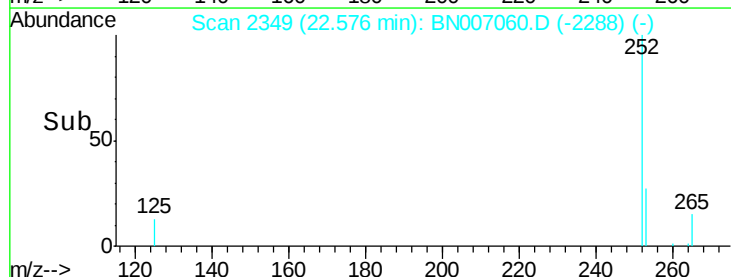
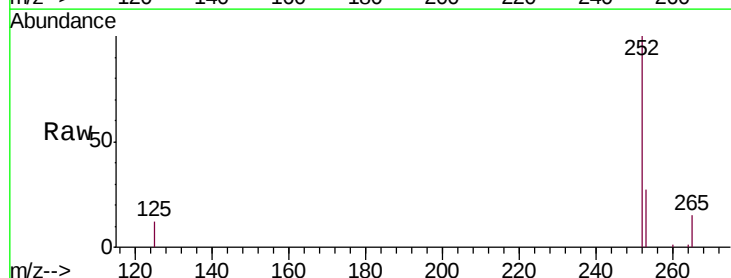
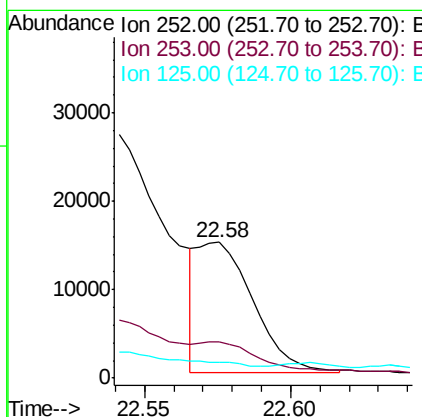
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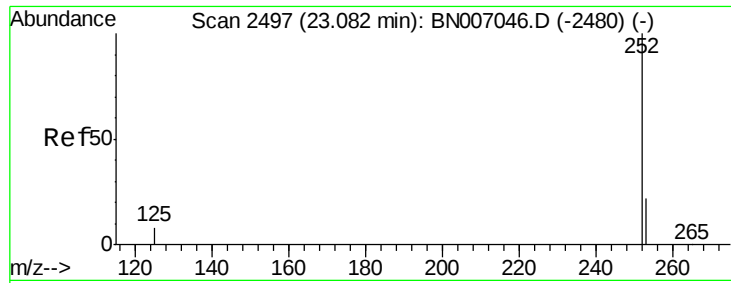
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#34
Benzo(k)fluoranthene
Concen: 0.100 ng m
RT: 22.58 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BN007060.D
Acq: 10 Aug 2019 22:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.1	27.1
125	12.1	7.4	11.0#





#35

Benzo(a)pyrene

Concen: 0.202 ng

RT: 23.07 min Scan# 2492

Delta R.T. -0.02 min

Lab File: BN007060.D

Acq: 10 Aug 2019 22:22

Instrument :

BNA_N

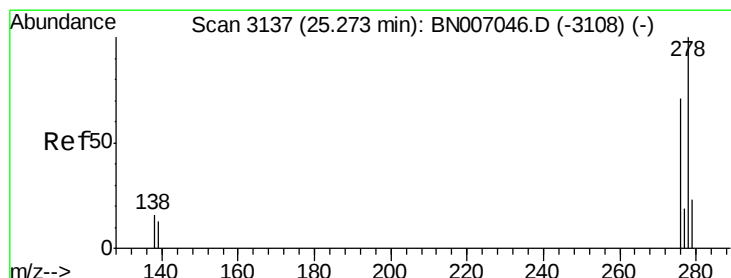
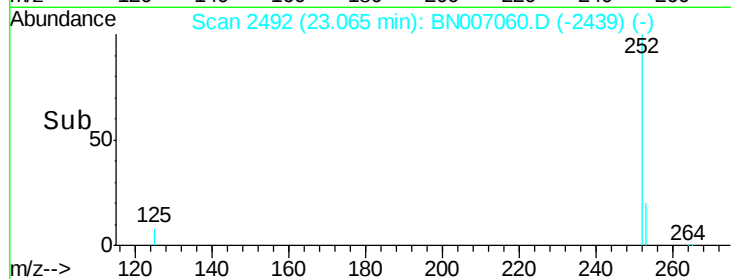
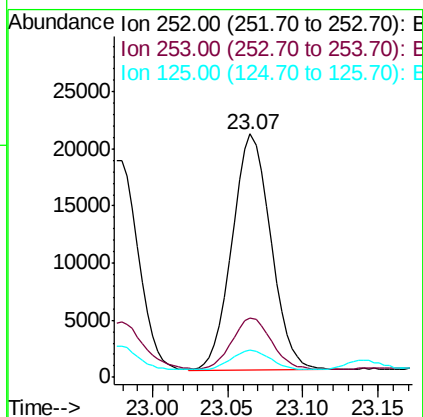
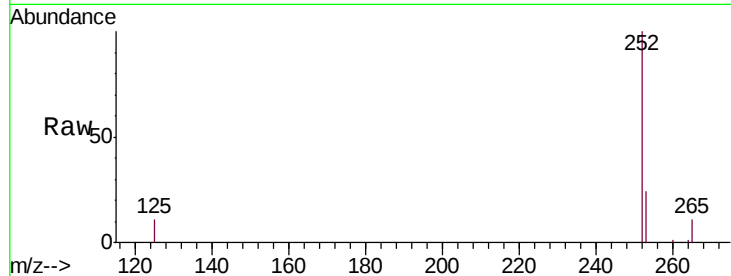
ClientSampleId :

PST-006-SW052-073019

Tgt Ion:	252	Resp:	36084
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.5	27.7
125	11.2	8.2	12.4

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#36

Dibenzo(a,h)anthracene

Concen: 0.042 ng

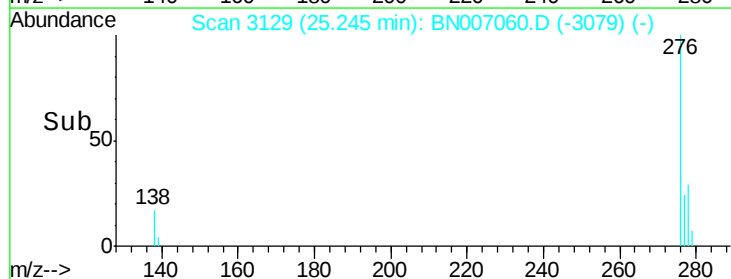
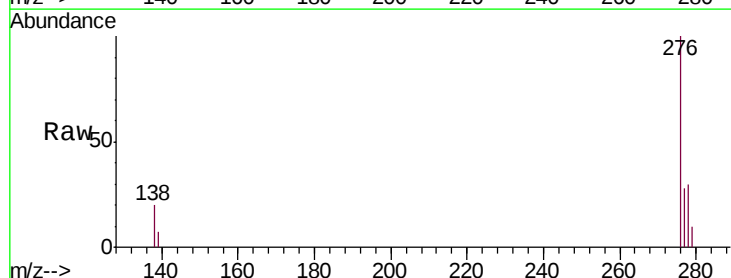
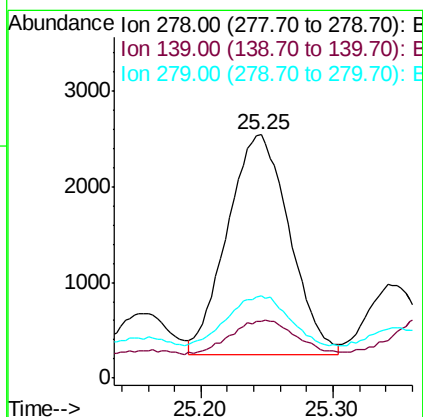
RT: 25.25 min Scan# 3129

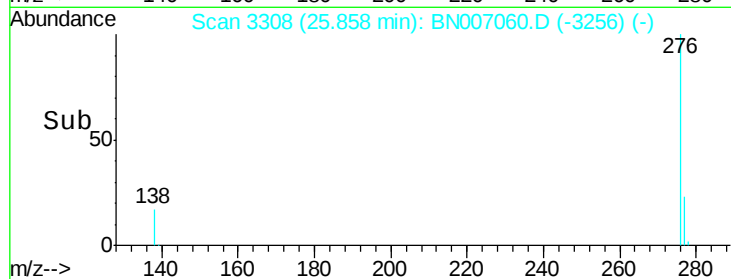
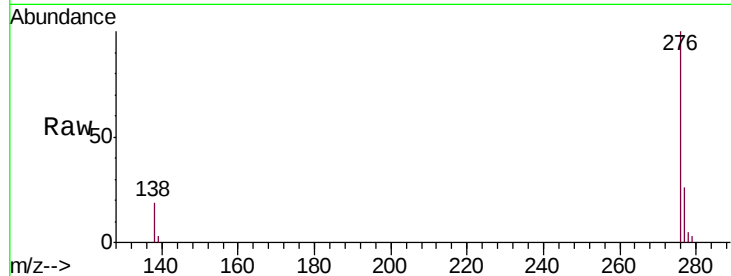
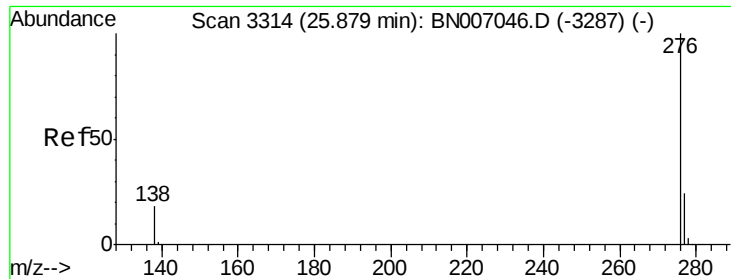
Delta R.T. -0.03 min

Lab File: BN007060.D

Acq: 10 Aug 2019 22:22

Tgt Ion:	278	Resp:	7532
Ion Ratio	Lower	Upper	
278	100		
139	23.1	11.3	16.9#
279	33.8	19.3	28.9#





#37

Benzo(g,h,i)perylene

Concen: 0.162 ng

RT: 25.86 min Scan# 3308

Delta R.T. -0.02 min

Lab File: BN007060.D

Acq: 10 Aug 2019 22:22

Instrument :

BNA_N

ClientSampleId :

PST-006-SW052-073019

Tgt	Ion	Ratio	Lower	Upper
276	100			
277	26.0	19.8	29.8	
138	19.4	14.6	22.0	

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