

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
 Data File : BN007057.D
 Acq On : 10 Aug 2019 20:34
 Operator : HP/JU
 Sample : K4144-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-B250-073119

Manual Integrations
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mohammad
 8/14/2019 2:56:34 AM

Quant Time: Aug 12 10:57:48 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	8486	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	31993	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	18588	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	46132	0.40	ng	0.00
26) Chrysene-d12	21.05	240	48895	0.40	ng	-0.01
32) Perylene-d12	23.16	264	53270	0.40	ng	-0.01

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	6288	0.31	ng	0.00
4) Phenol-d6	6.61	99	8440	0.33	ng	0.00
7) Nitrobenzene-d5	8.56	82	6399	0.25	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	15021	0.25	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1593	0.16	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	6409	0.24	ng	0.00
24) Fluoranthene-d10	18.87	212	38661	0.24	ng	0.00
28) Terphenyl-d14	19.49	244	29818	0.22	ng	0.00

Target Compounds

						Qvalue
15) Acenaphthylene	13.79	152	5865	0.060	ng	98
16) Acenaphthene	14.14	154	1284m	0.021	ng	
22) Phenanthrene	16.87	178	83682	0.605	ng	100
23) Anthracene	16.96	178	9684	0.077	ng	# 95
25) Fluoranthene	18.90	202	198886	1.125	ng	100
27) Pyrene	19.26	202	172959	1.009	ng	96
29) Benzo(a)anthracene	21.02	228	105522	0.590	ng	96
30) Chrysene	21.08	228	100740	0.580	ng	97
31) Indeno(1,2,3-cd)pyrene	25.24	276	59818	0.312	ng	97
33) Benzo(b)fluoranthene	22.54	252	133481	0.731	ng	99
34) Benzo(k)fluoranthene	22.58	252	46282m	0.257	ng	
35) Benzo(a)pyrene	23.07	252	88354	0.534	ng	99
36) Dibenzo(a,h)anthracene	25.25	278	15769	0.095	ng	# 89
37) Benzo(g,h,i)perylene	25.87	276	62337	0.367	ng	100

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

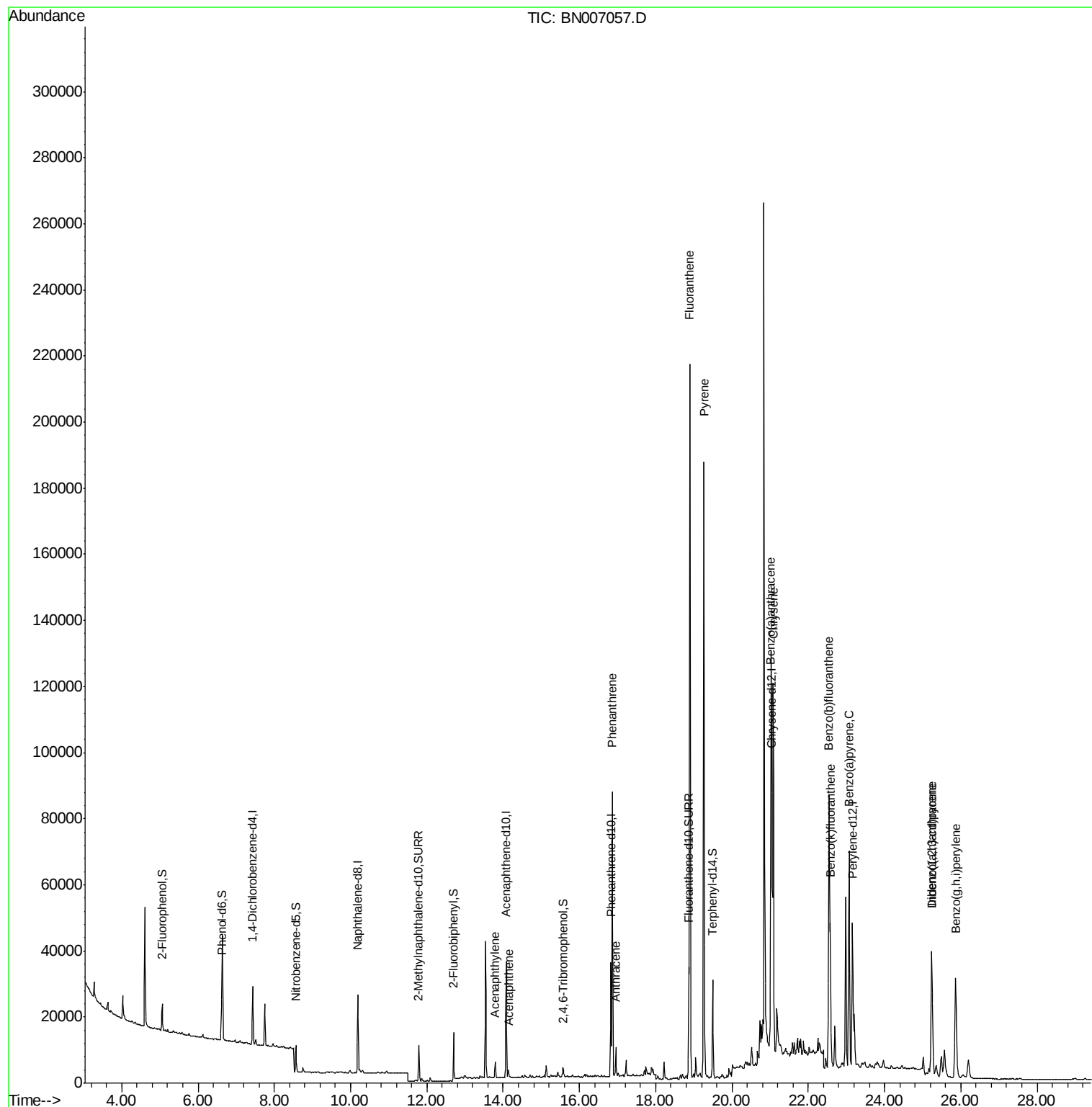
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
Data File : BN007057.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

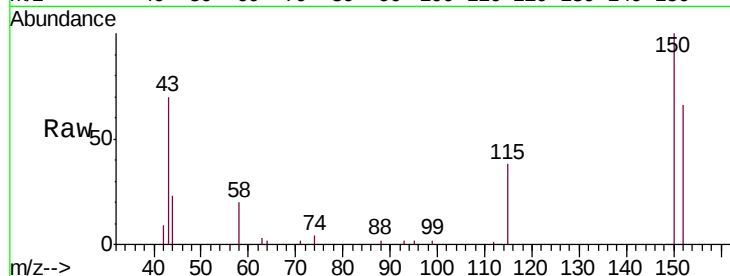
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007057.D
Acq: 10 Aug 2019 20:34

Instrument :
BNA_N
ClientSampleId :
PST-008-B250-073119

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.4	121.7	182.5
115	57.3	46.2	69.4

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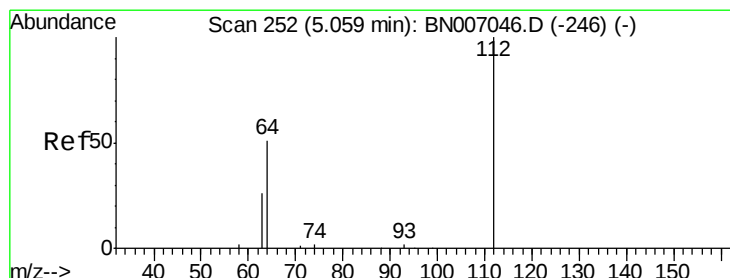
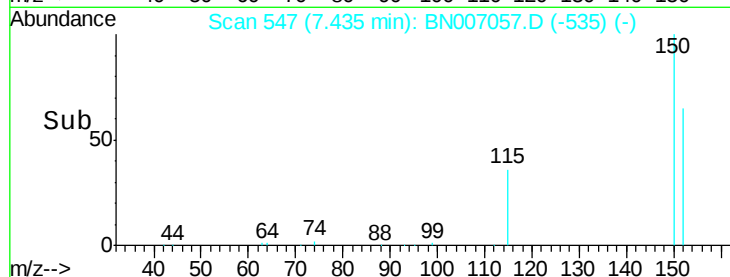
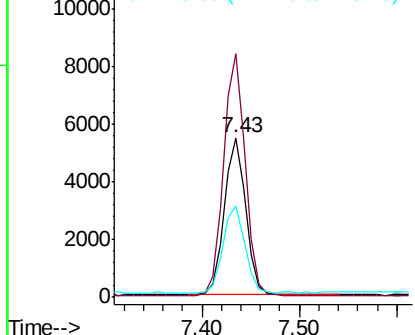


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

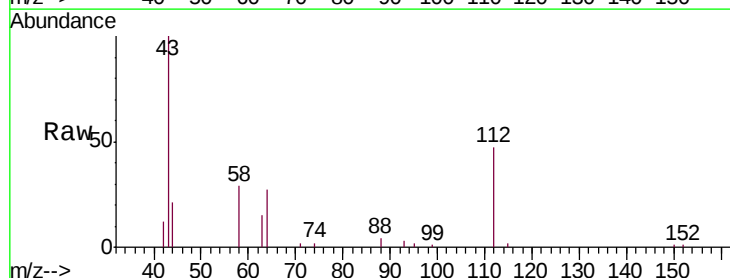
Ion 115.00 (114.70 to 115.70): E



#3

2-Fluorophenol
Concen: 0.308 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007057.D
Acq: 10 Aug 2019 20:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	42.6	63.8
63	27.0	22.2	33.2

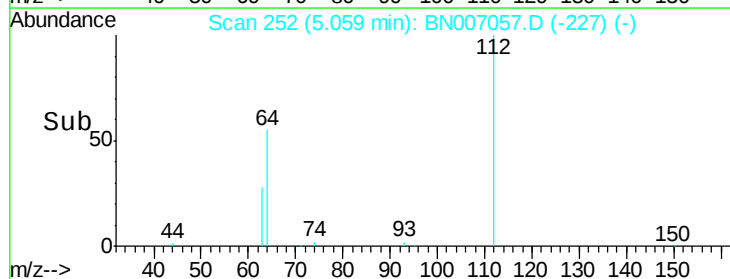
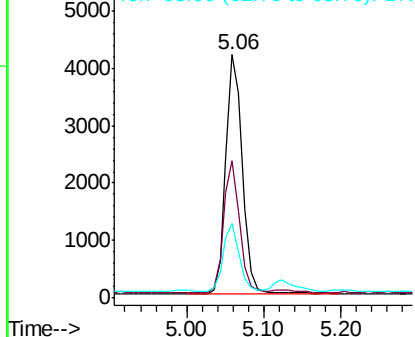


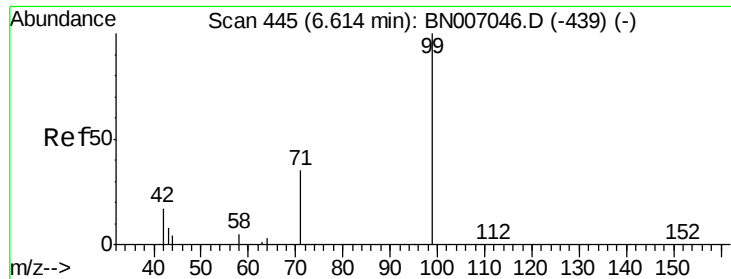
Abundance

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





#4

Phenol-d6

Concen: 0.334 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007057.D

Acq: 10 Aug 2019 20:34

Instrument :

BNA_N

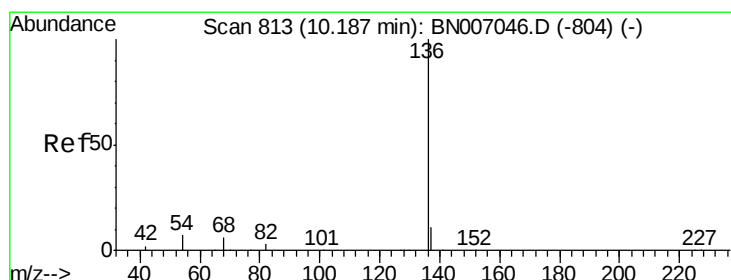
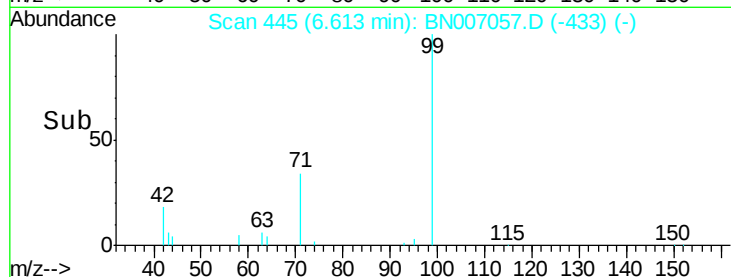
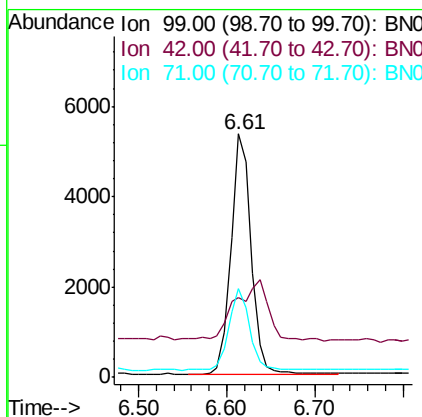
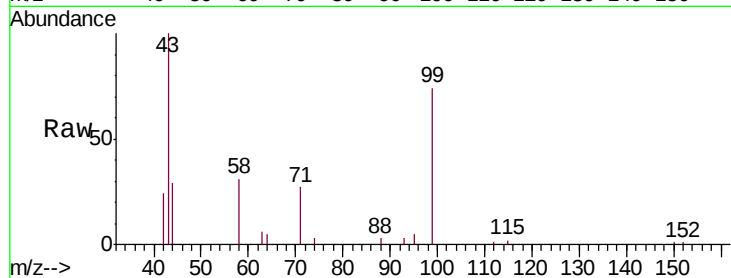
ClientSampleId :

PST-008-B250-073119

Tgt Ion:	99	Resp:	8440
Ion Ratio	Lower	Upper	
99	100		
42	0.0	15.8	23.6#
71	35.0	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

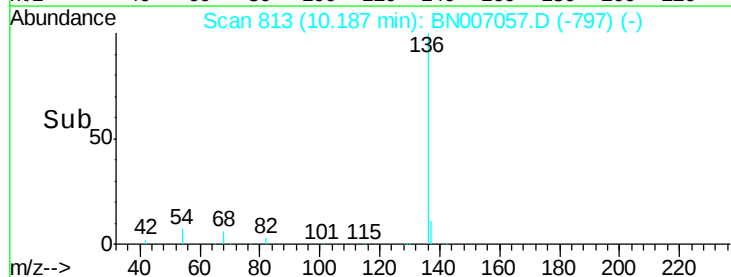
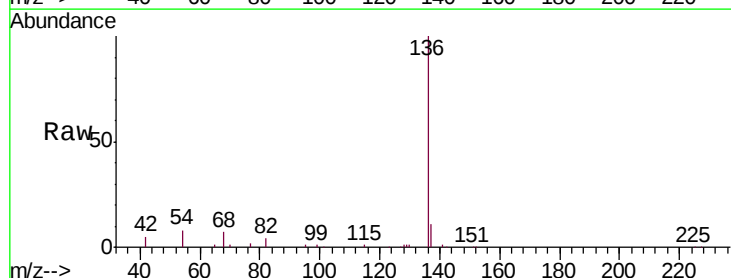
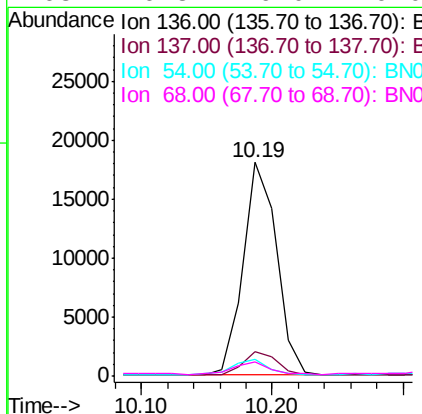
RT: 10.19 min Scan# 813

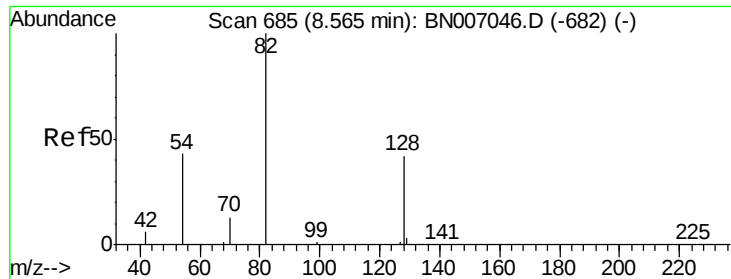
Delta R.T. -0.00 min

Lab File: BN007057.D

Acq: 10 Aug 2019 20:34

Tgt Ion:	136	Resp:	31993
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.4	14.0
54	7.7	6.6	9.8
68	6.8	6.0	9.0





#7

Nitrobenzene-d5

Concen: 0.248 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007057.D

Acq: 10 Aug 2019 20:34

Instrument :

BNA_N

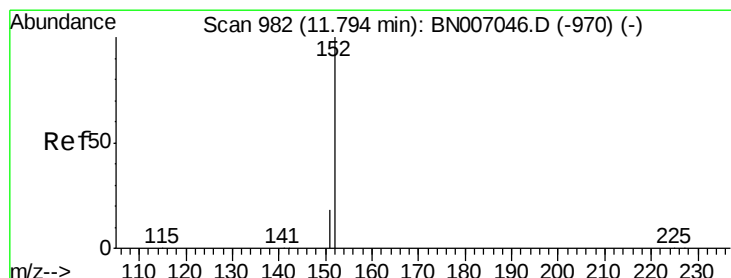
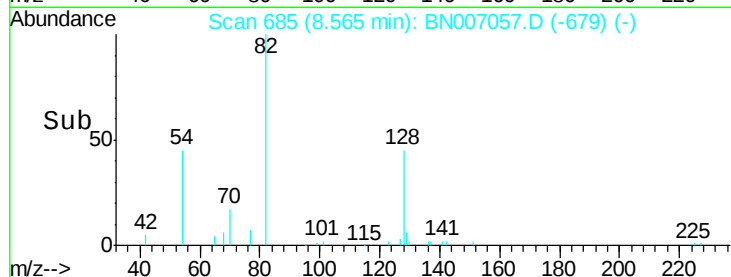
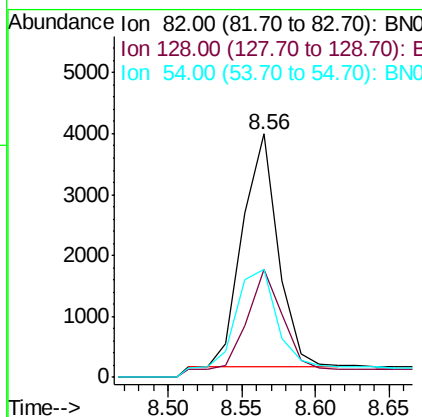
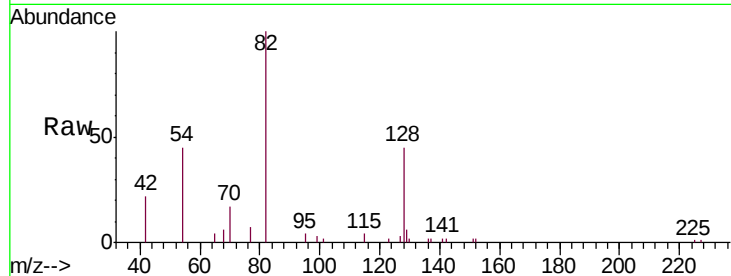
ClientSampleId :

PST-008-B250-073119

Tgt Ion:	82	Resp:	6399
Ion Ratio	Lower	Upper	
82	100		
128	44.6	34.6	51.8
54	44.6	36.2	54.4

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#10

2-Methylnaphthalene-d10

Concen: 0.252 ng

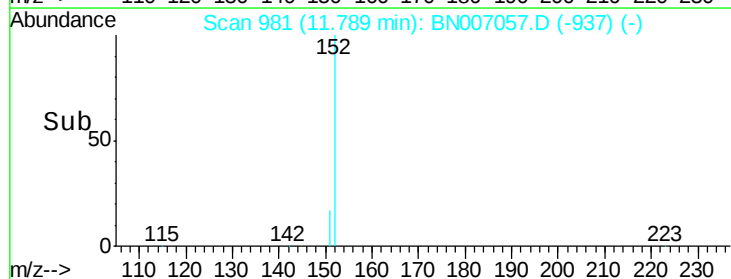
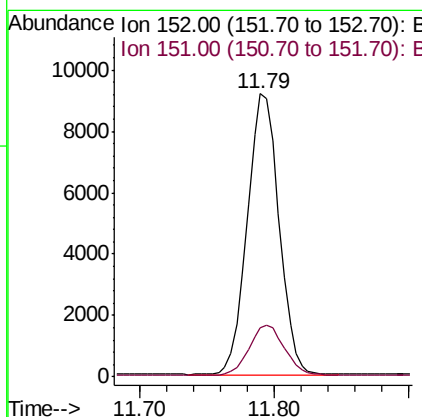
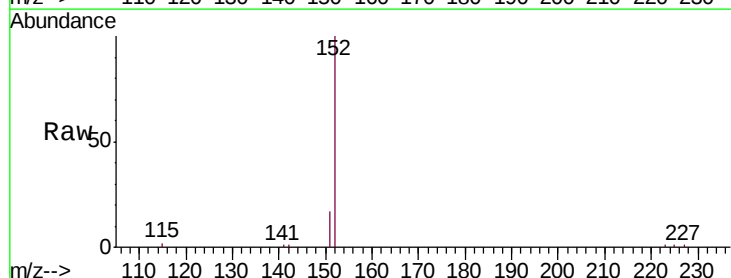
RT: 11.79 min Scan# 981

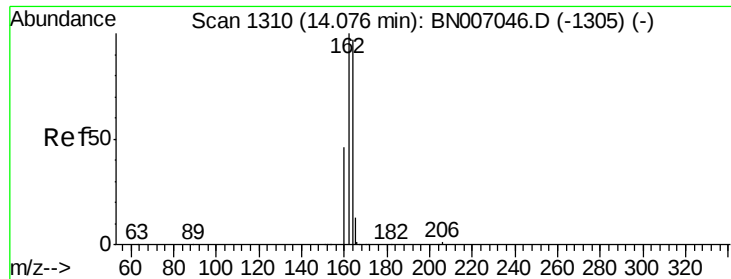
Delta R.T. -0.00 min

Lab File: BN007057.D

Acq: 10 Aug 2019 20:34

Tgt Ion:	152	Resp:	15021
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.5	23.3





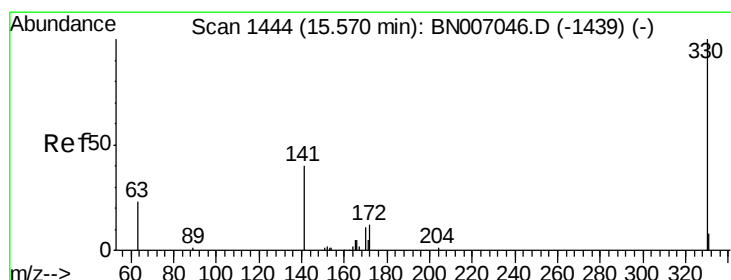
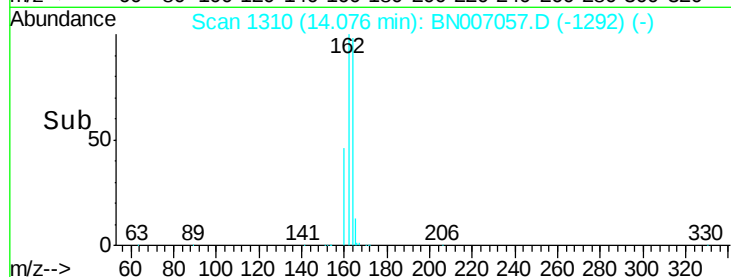
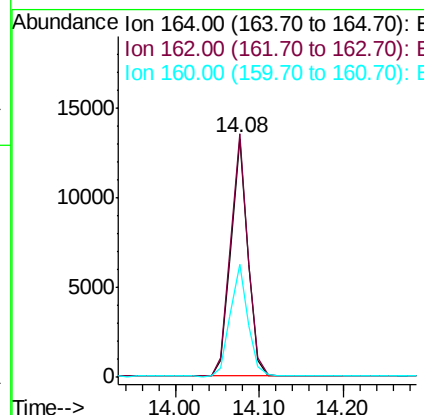
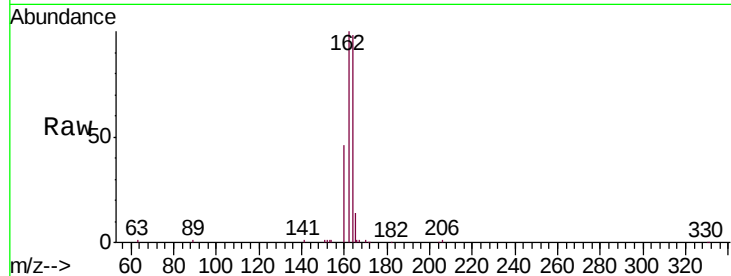
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007057.D
Acq: 10 Aug 2019 20:34

Instrument :
BNA_N
ClientSampleId :
PST-008-B250-073119

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.8	82.2	123.4	
160	47.2	38.3	57.5	

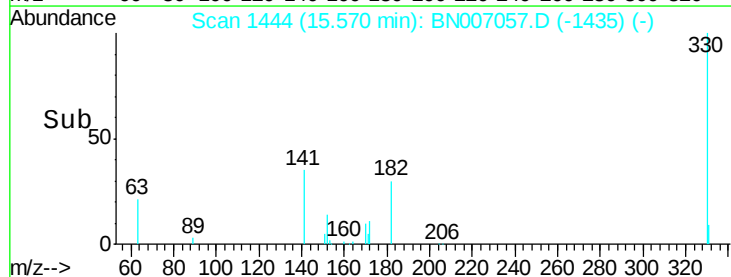
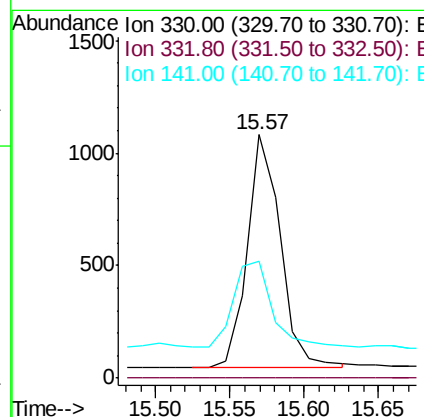
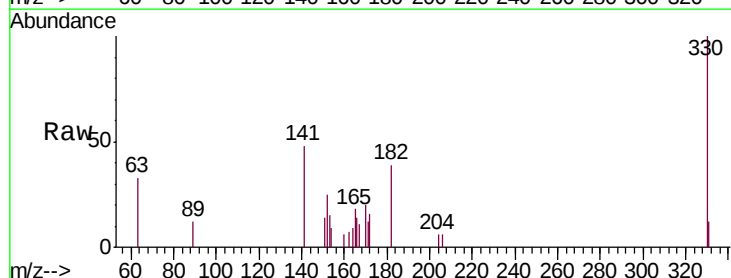
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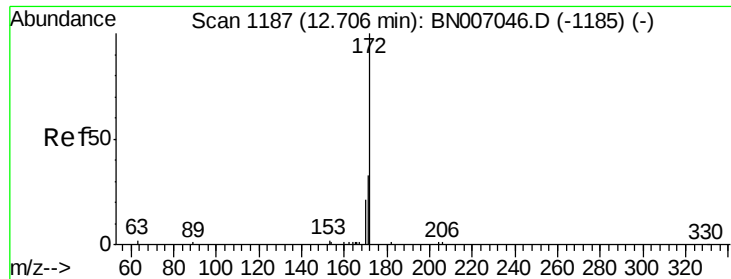
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#13
2,4,6-Tribromophenol
Concen: 0.159 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007057.D
Acq: 10 Aug 2019 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	0.0	0.0	0.0	
141	43.4	33.6	50.4	





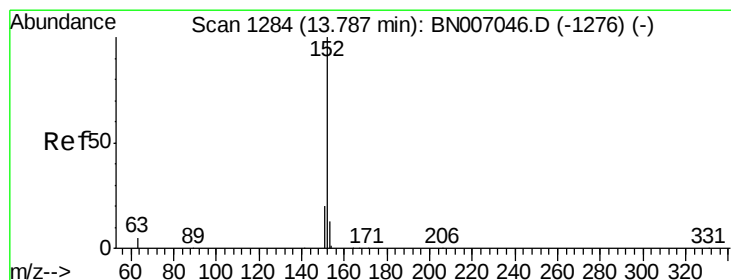
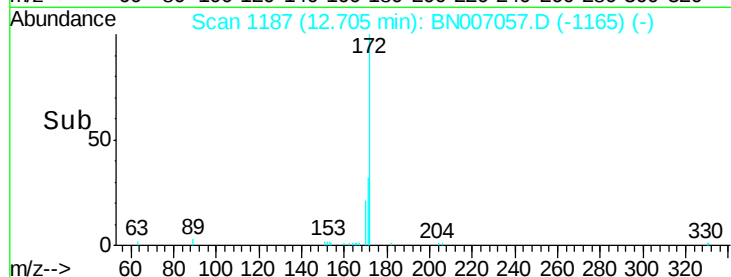
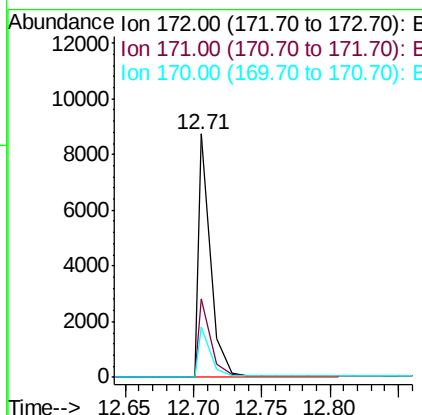
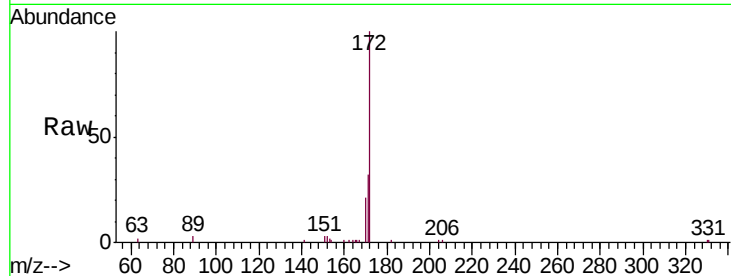
#14
2-Fluorobiphenyl
Concen: 0.237 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007057.D
Acq: 10 Aug 2019 20:34

Instrument :
BNA_N
ClientSampleId :
PST-008-B250-073119

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.5	26.3	39.5
170	20.8	17.0	25.4

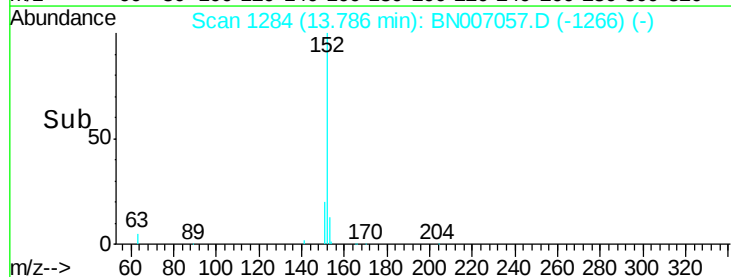
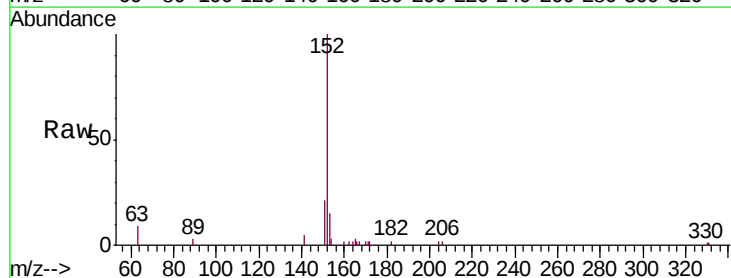
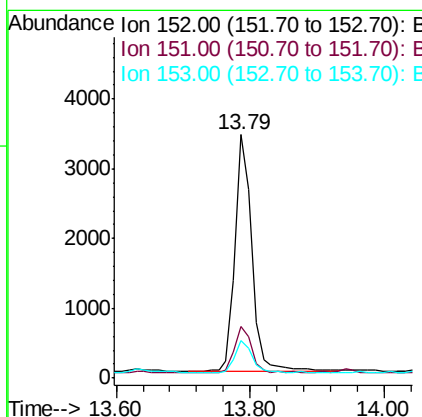
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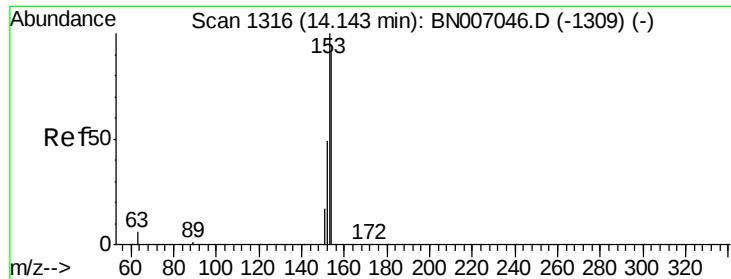
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#15
Acenaphthylene
Concen: 0.060 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007057.D
Acq: 10 Aug 2019 20:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	14.1	10.4	15.6





#16

Acenaphthene

Concen: 0.021 ng m

RT: 14.14 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BN007057.D

Acq: 10 Aug 2019 20:34

Instrument :

BNA_N

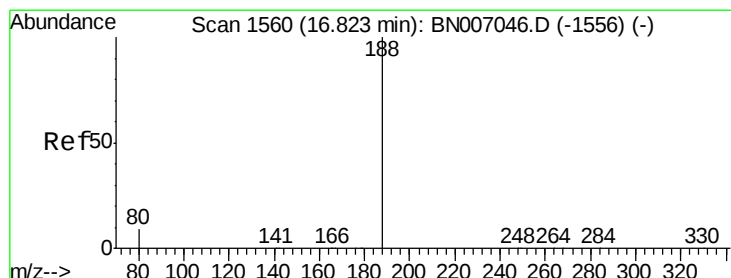
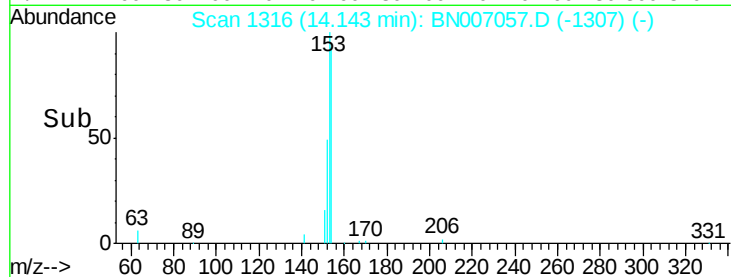
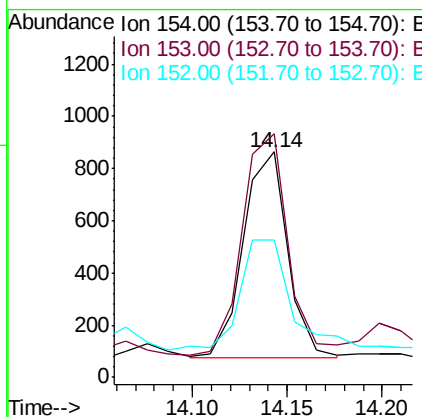
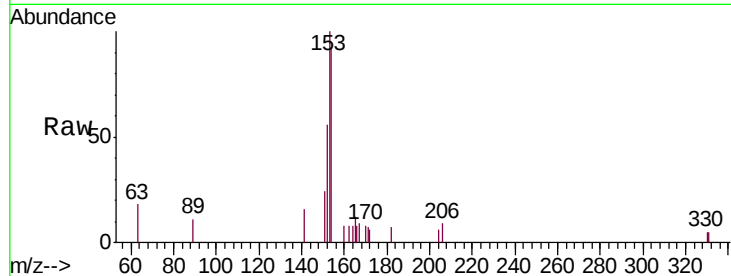
ClientSampleId :

PST-008-B250-073119

Tgt Ion:	154	Resp:	1284
Ion Ratio	Lower	Upper	
154	100		
153	0.0	89.5	134.3#
152	0.0	44.8	67.2#

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#18

Phenanthrene-d10

Concen: 0.400 ng

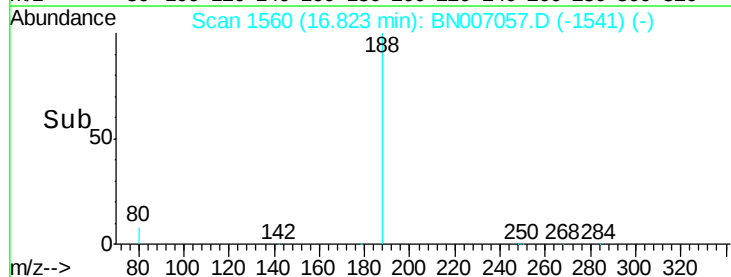
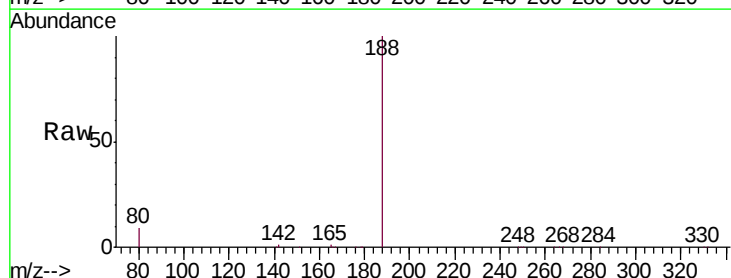
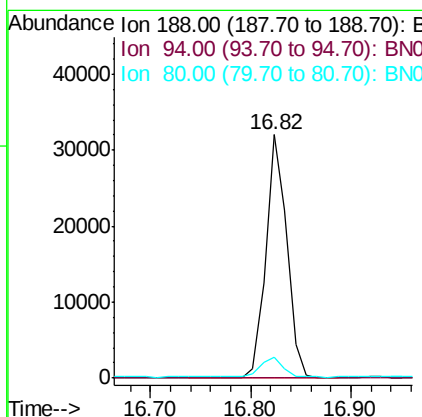
RT: 16.82 min Scan# 1560

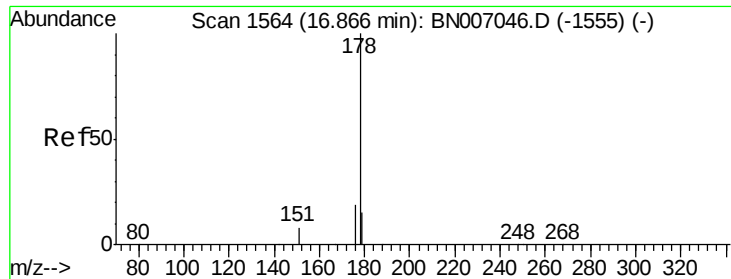
Delta R.T. -0.00 min

Lab File: BN007057.D

Acq: 10 Aug 2019 20:34

Tgt Ion:	188	Resp:	46132
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.7	7.8	11.6





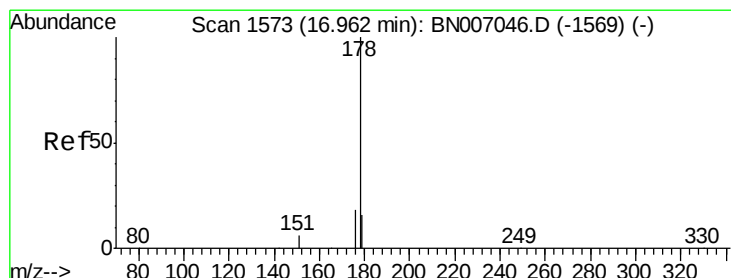
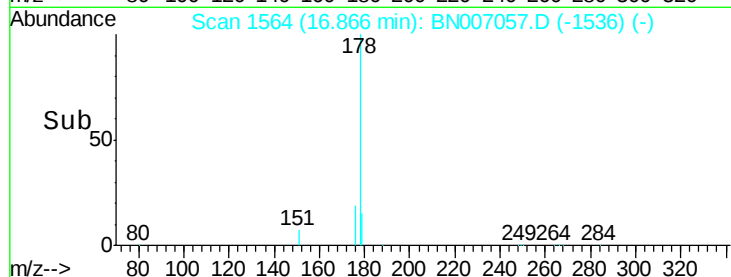
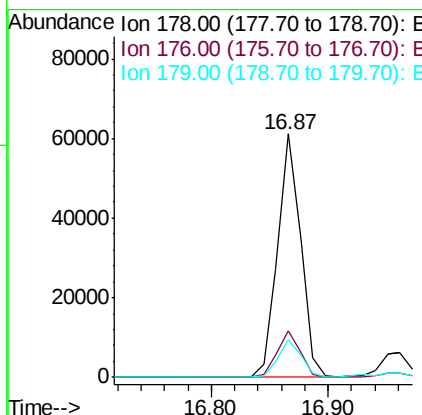
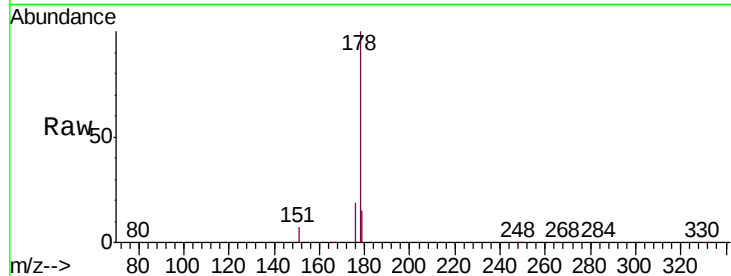
#22
Phenanthrene
Concen: 0.605 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007057.D
Acq: 10 Aug 2019 20:34

Instrument :
BNA_N
ClientSampleId :
PST-008-B250-073119

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.5	12.3	18.5

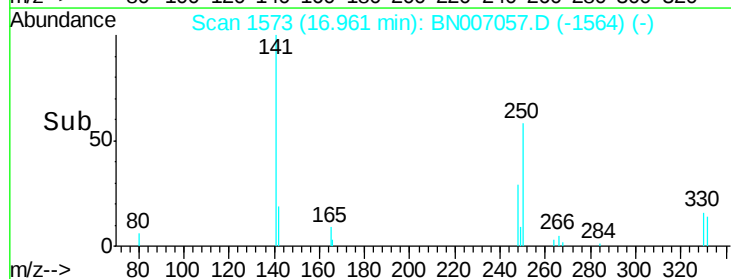
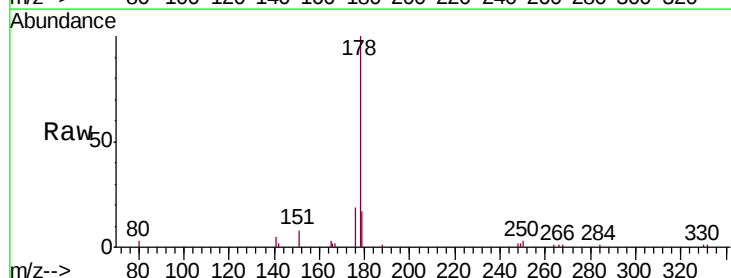
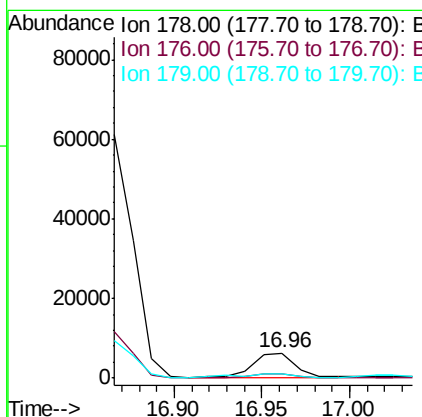
Manual Integrations
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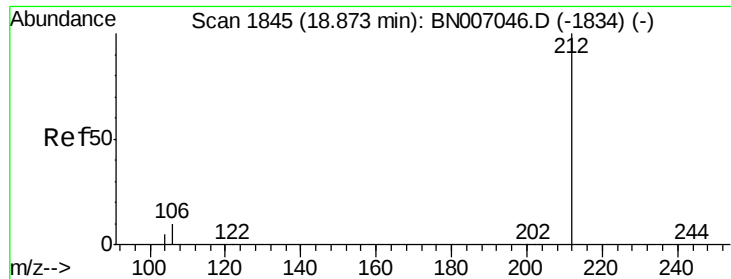
mohammad
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#23
Anthracene
Concen: 0.077 ng
RT: 16.96 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BN007057.D
Acq: 10 Aug 2019 20:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	21.8
179	19.8	12.5	18.7#





#24

Fluoranthene-d10

Concen: 0.236 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007057.D

Acq: 10 Aug 2019 20:34

Instrument :

BNA_N

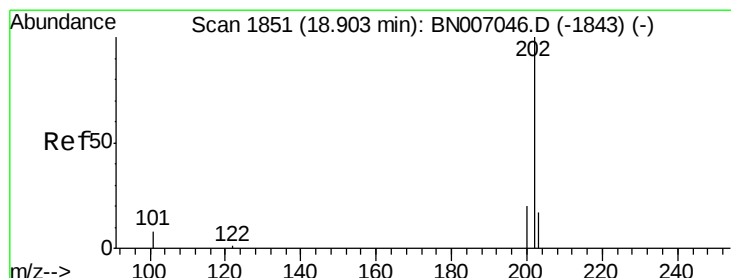
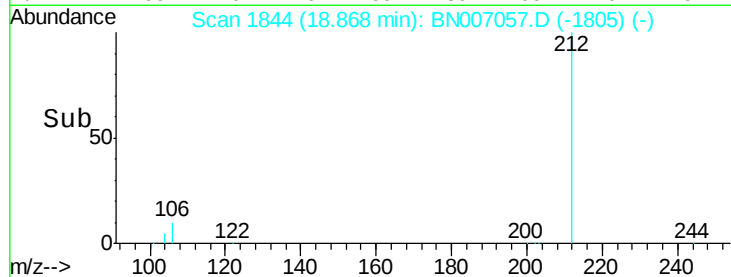
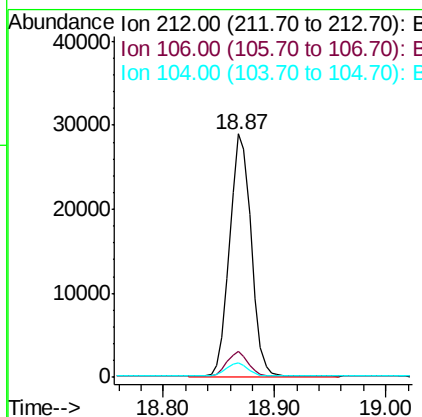
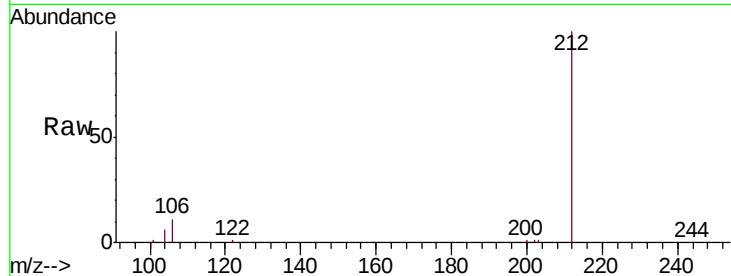
ClientSampleId :

PST-008-B250-073119

Tgt Ion:	212	Resp:	38661
Ion Ratio	Lower	Upper	
212	100		
106	9.9	8.2	12.2
104	5.5	4.5	6.7

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#25

Fluoranthene

Concen: 1.125 ng

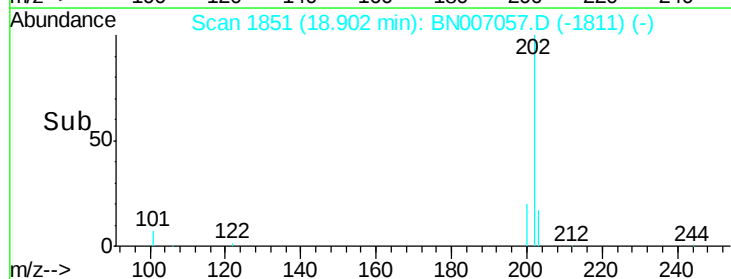
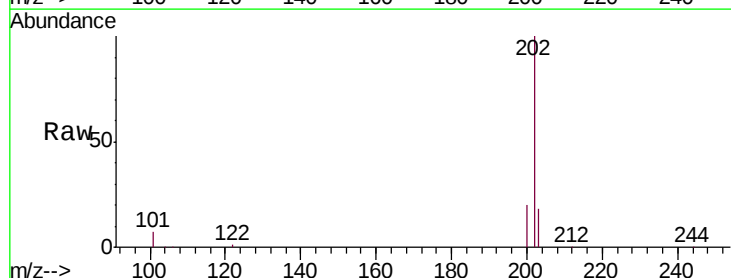
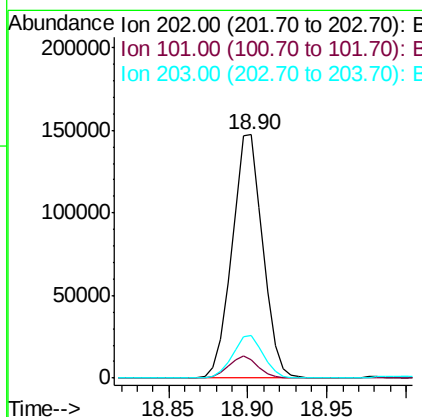
RT: 18.90 min Scan# 1851

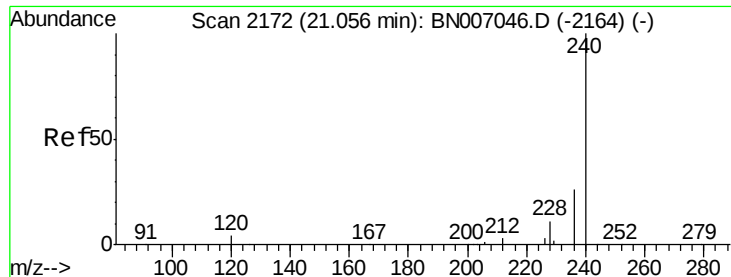
Delta R.T. -0.00 min

Lab File: BN007057.D

Acq: 10 Aug 2019 20:34

Tgt Ion:	202	Resp:	198886
Ion Ratio	Lower	Upper	
202	100		
101	8.5	7.0	10.4
203	17.4	13.8	20.8





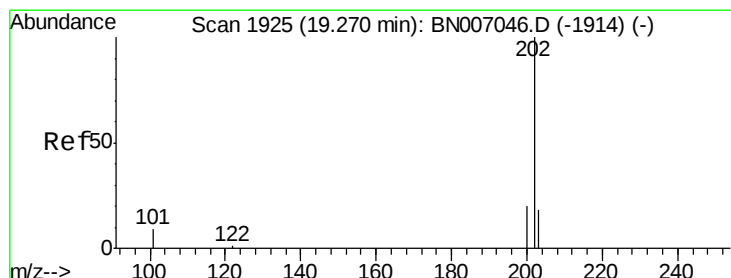
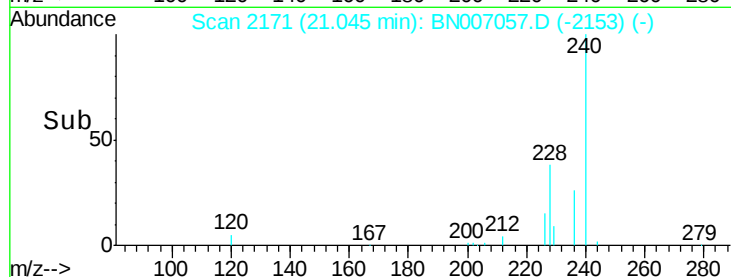
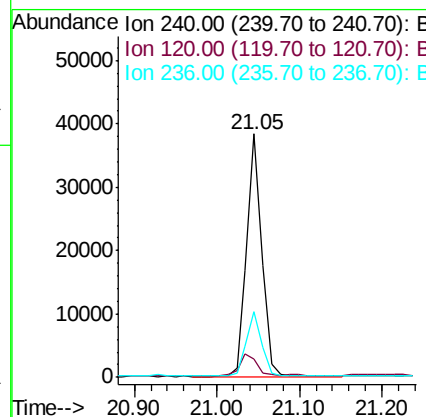
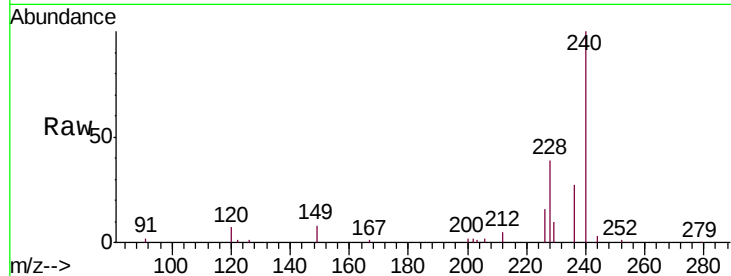
#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007057.D
Acq: 10 Aug 2019 20:34

Instrument :
BNA_N
ClientSampleId :
PST-008-B250-073119

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	48895		
120	7.3	4.0	6.0	
236	27.0	21.3	31.9	

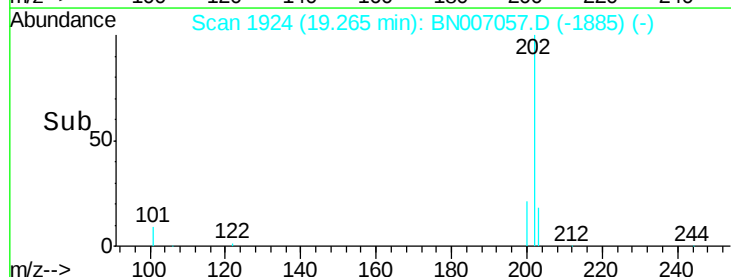
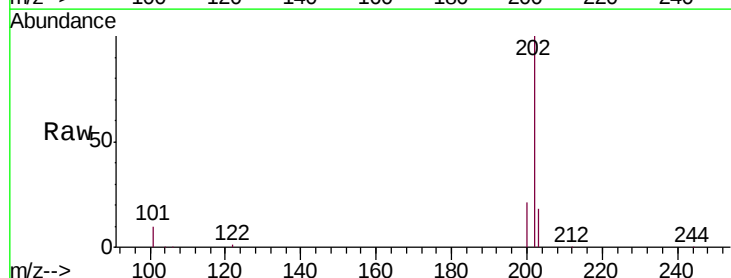
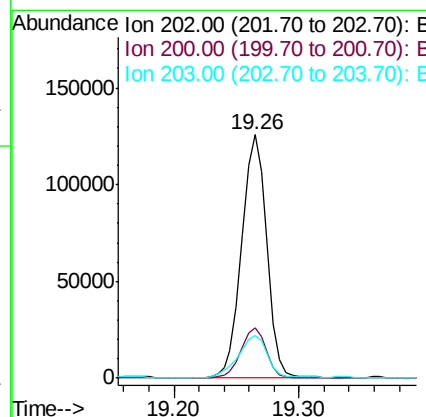
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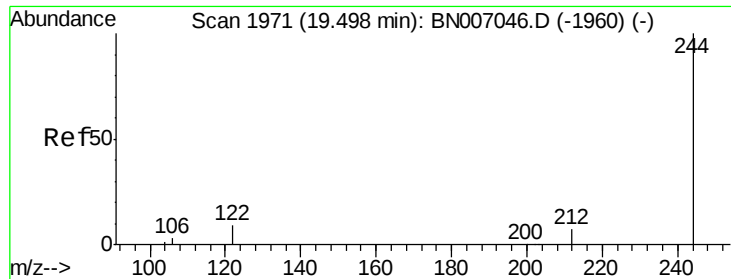
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#27
Pyrene
Concen: 1.009 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007057.D
Acq: 10 Aug 2019 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	172959		
200	20.8	16.6	24.8	
203	20.9	14.0	21.0	





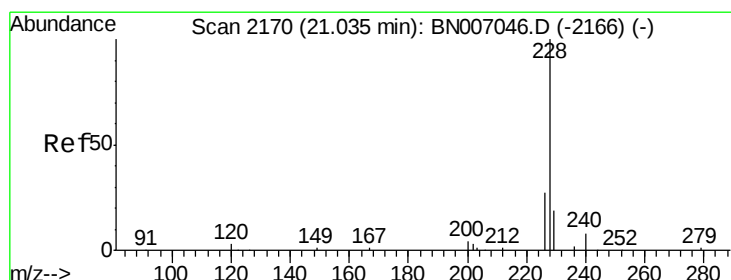
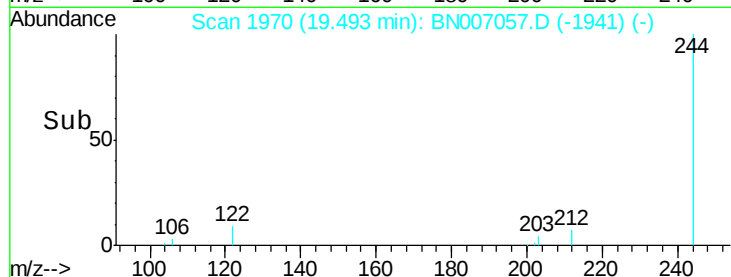
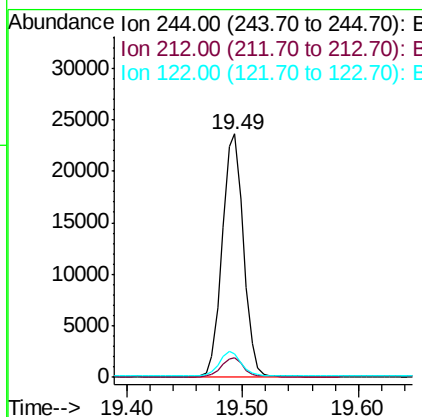
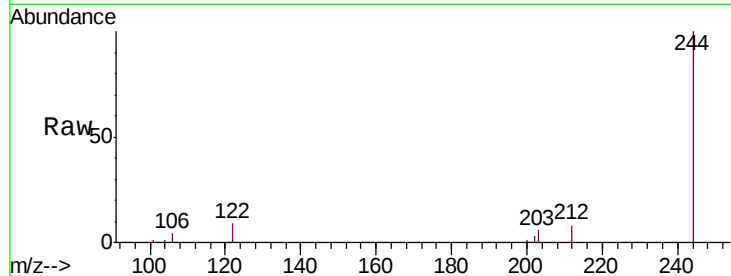
#28
 Terphenyl-d14
 Concen: 0.224 ng
 RT: 19.49 min Scan# 1970
 Delta R.T. -0.01 min
 Lab File: BN007057.D
 Acq: 10 Aug 2019 20:34

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-B250-073119

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	29818		
212	7.9	6.2	9.2	
122	9.4	7.4	11.2	

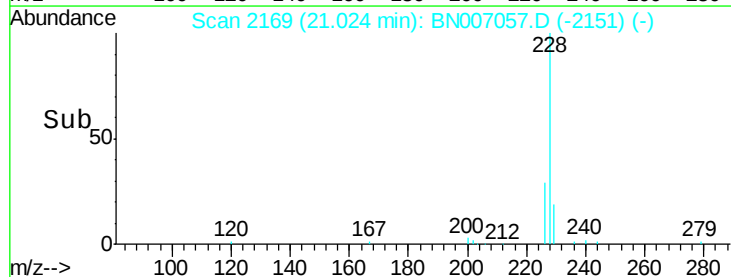
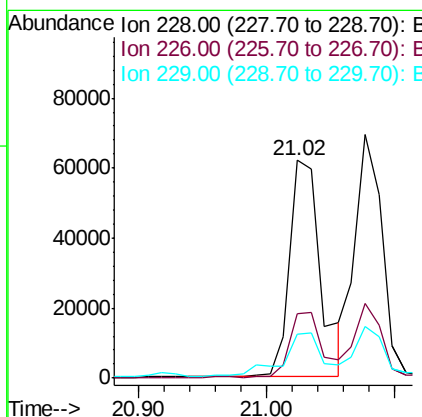
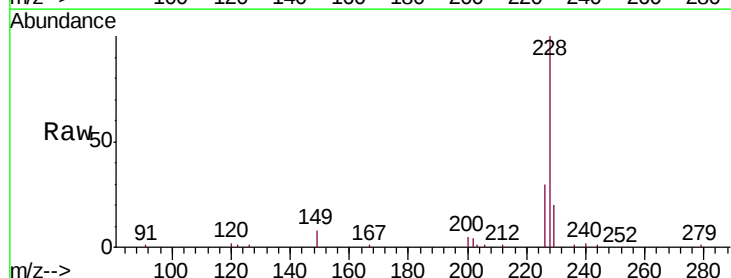
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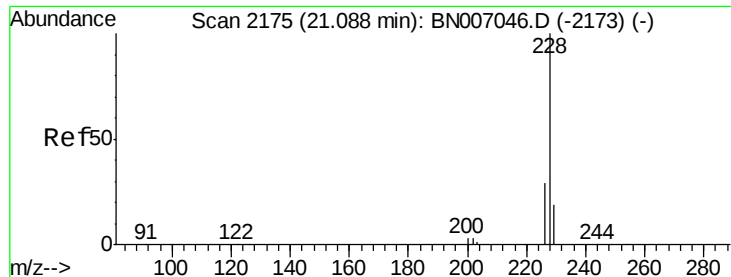
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#29
 Benzo(a)anthracene
 Concen: 0.590 ng
 RT: 21.02 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BN007057.D
 Acq: 10 Aug 2019 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	105522		
226	29.7	21.8	32.6	
229	20.3	15.6	23.4	





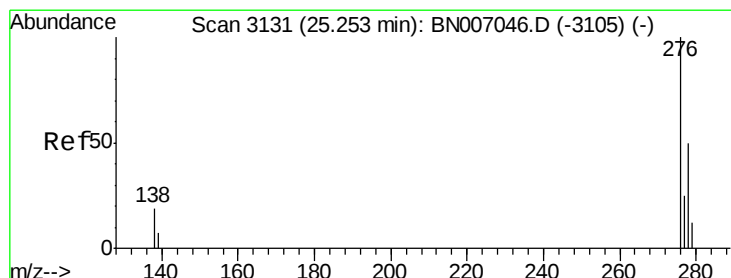
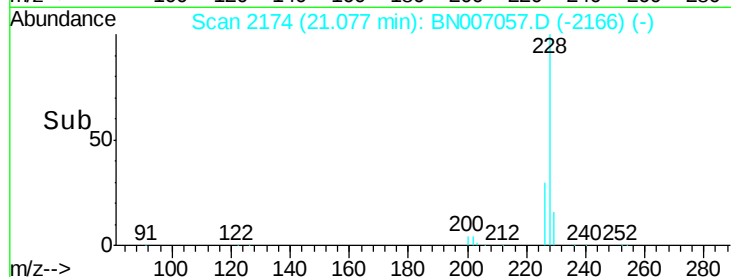
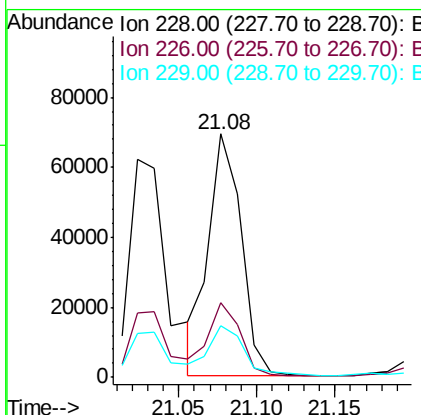
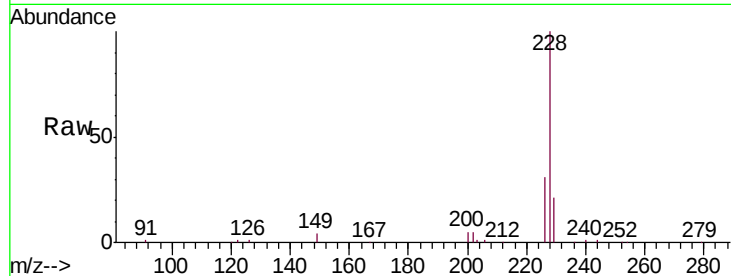
#30
Chrysene
Concen: 0.580 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007057.D
Acq: 10 Aug 2019 20:34

Instrument :
BNA_N
ClientSampleId :
PST-008-B250-073119

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.8	35.6
229	21.5	15.7	23.5

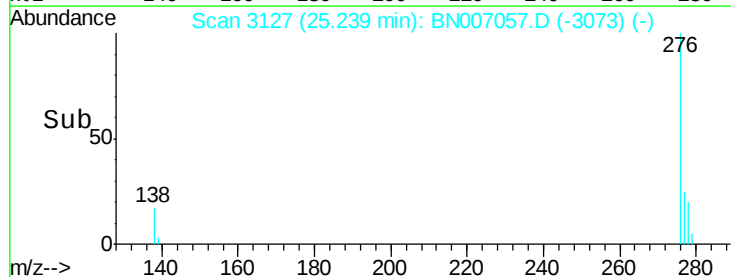
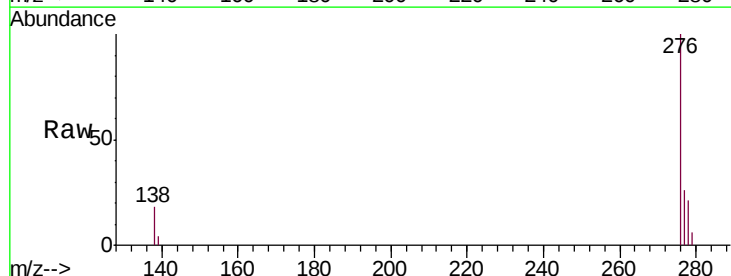
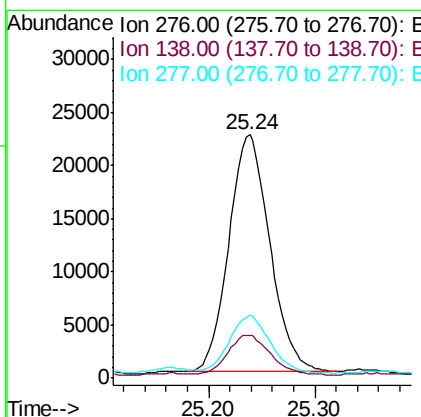
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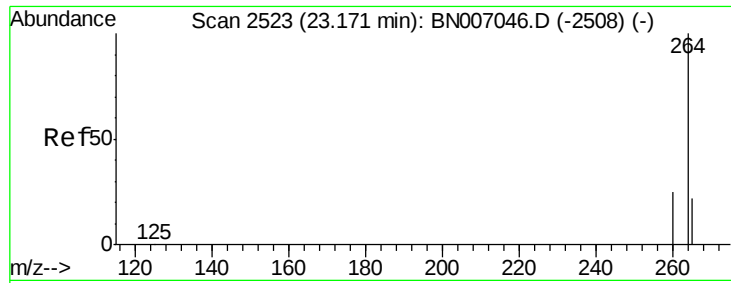
mohammad
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#31
Indeno(1,2,3-cd)pyrene
Concen: 0.312 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BN007057.D
Acq: 10 Aug 2019 20:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.2	16.0	24.0
277	24.6	19.9	29.9





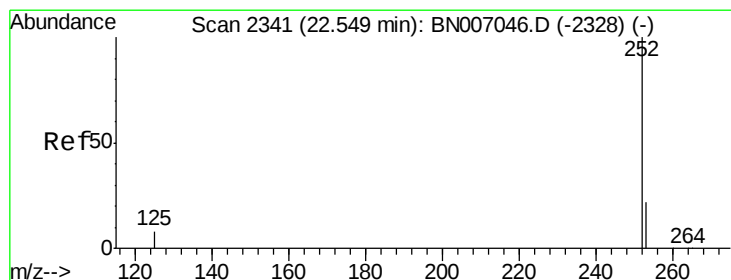
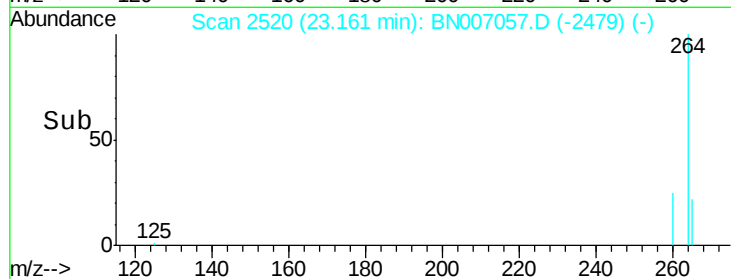
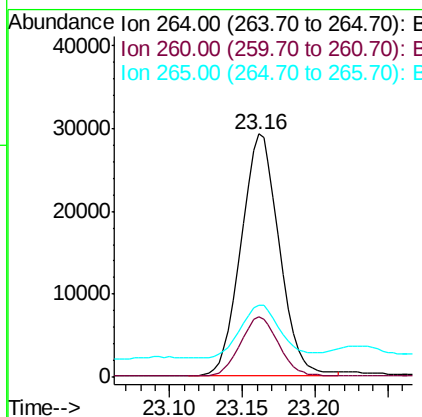
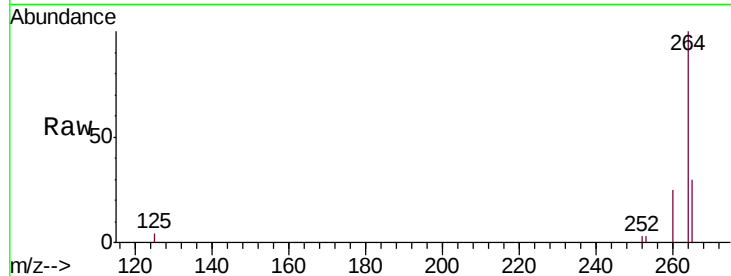
#32
Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2520
 Delta R.T. -0.01 min
 Lab File: BN007057.D
 Acq: 10 Aug 2019 20:34

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-B250-073119

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	53270		
260	25.1	19.8	29.8	
265	29.9	26.2	39.4	

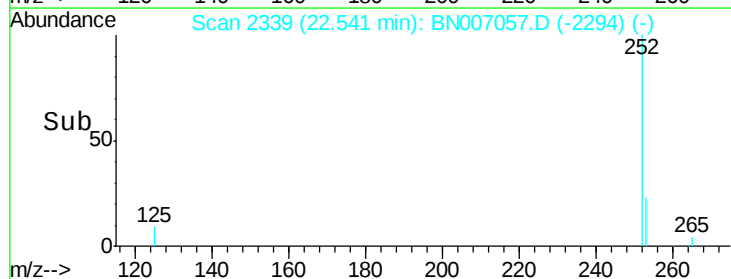
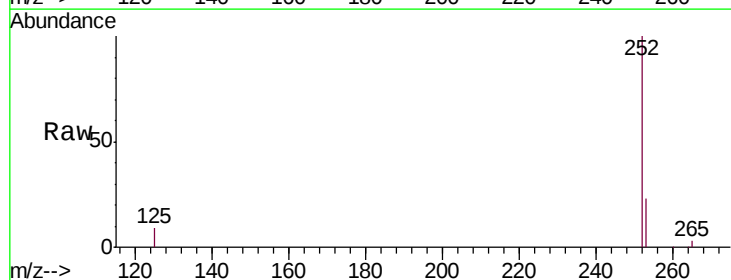
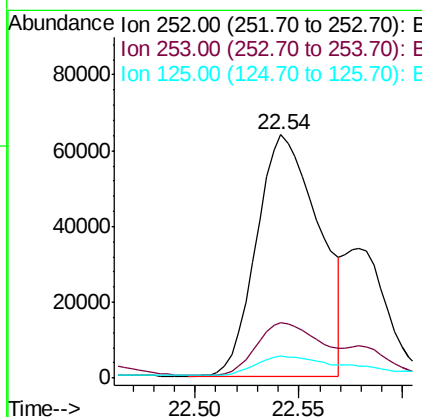
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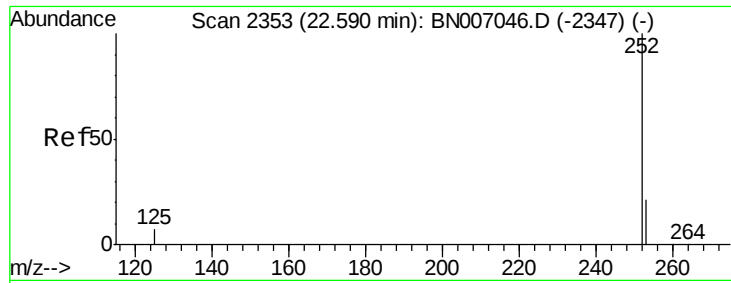
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#33
Benzo(b)fluoranthene
 Concen: 0.731 ng
 RT: 22.54 min Scan# 2339
 Delta R.T. -0.01 min
 Lab File: BN007057.D
 Acq: 10 Aug 2019 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	133481		
253	23.0	18.2	27.2	
125	9.0	7.4	11.0	





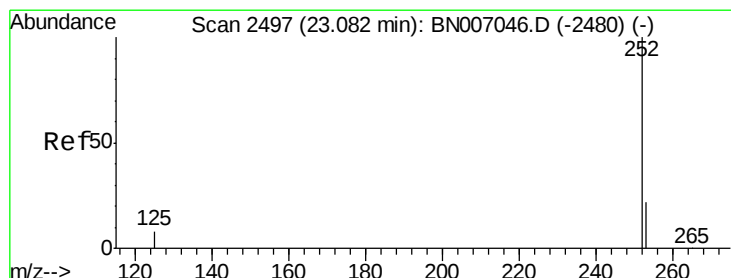
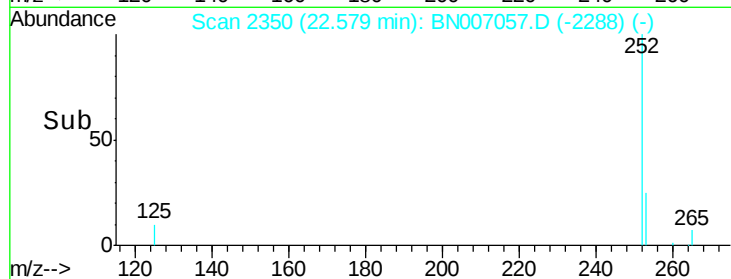
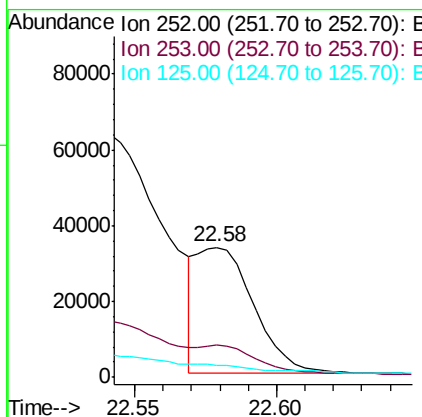
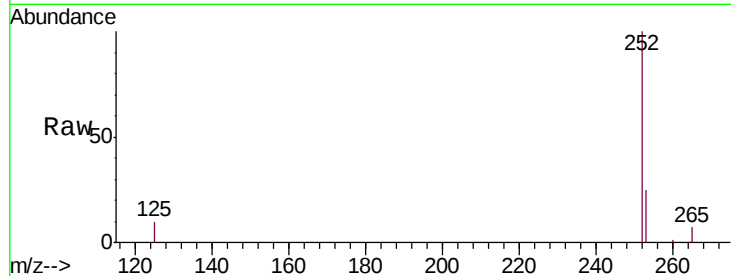
#34
Benzo(k)fluoranthene
Concen: 0.257 ng m
RT: 22.58 min Scan# 2350
Delta R.T. -0.01 min
Lab File: BN007057.D
Acq: 10 Aug 2019 20:34

Instrument :
BNA_N
ClientSampleId :
PST-008-B250-073119

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.1	27.1
125	9.5	7.4	11.0

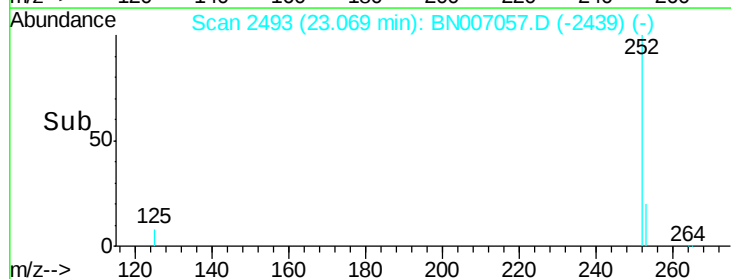
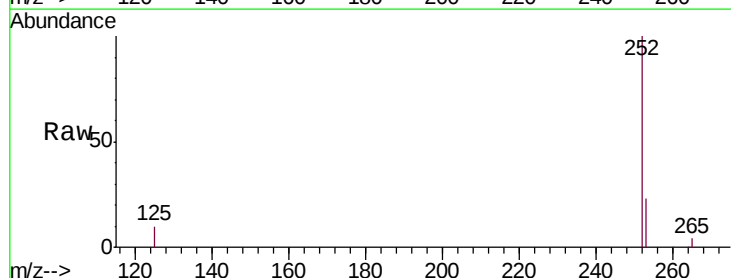
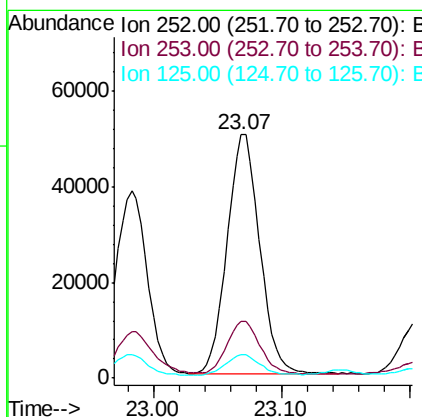
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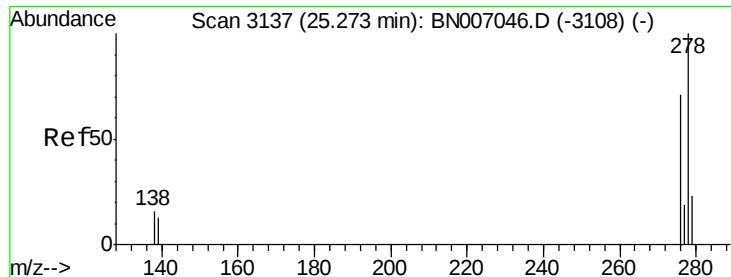
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#35
Benzo(a)pyrene
Concen: 0.534 ng
RT: 23.07 min Scan# 2493
Delta R.T. -0.01 min
Lab File: BN007057.D
Acq: 10 Aug 2019 20:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.5	27.7
125	9.8	8.2	12.4





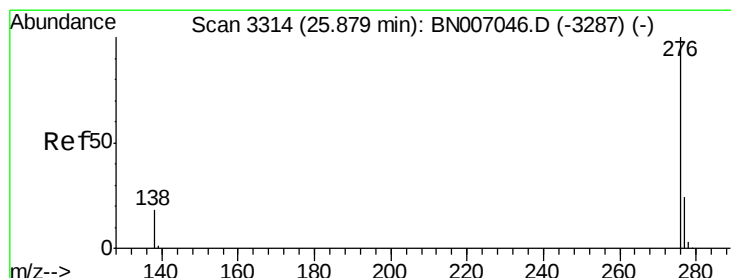
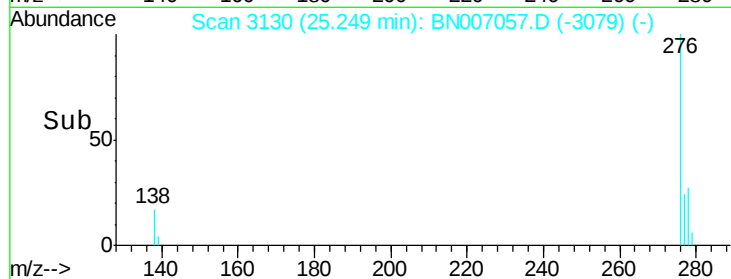
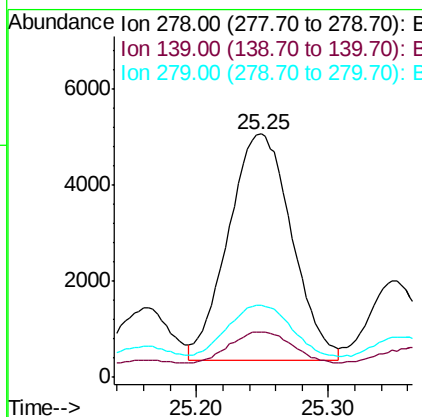
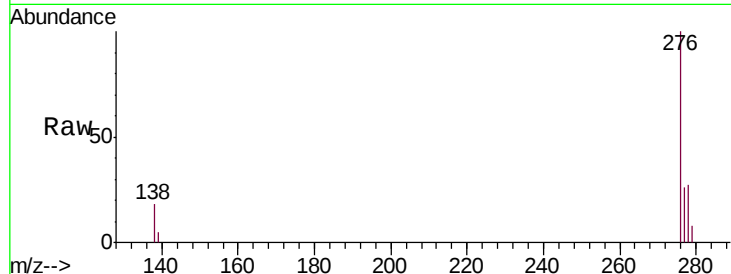
#36
Dibenzo(a,h)anthracene
Concen: 0.095 ng
RT: 25.25 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BN007057.D
Acq: 10 Aug 2019 20:34

Instrument :
BNA_N
ClientSampleId :
PST-008-B250-073119

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.6	11.3	16.9#
279	29.6	19.3	28.9#

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#37
Benzo(g,h,i)perylene
Concen: 0.367 ng
RT: 25.87 min Scan# 3310
Delta R.T. -0.01 min
Lab File: BN007057.D
Acq: 10 Aug 2019 20:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.8	29.8
138	18.3	14.6	22.0

