

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
 Data File : BN006647.D
 Acq On : 29 Jun 2019 11:24
 Operator : HP/JU
 Sample : K3446-09
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-B036-061819

Manual Integrations
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Quant Time: Jul 01 08:25:47 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 13:47:56 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	5763	0.40	ng	0.00
7) Naphthalene-d8	10.39	136	24417	0.40	ng	-0.01
13) Acenaphthene-d10	14.27	164	14255	0.40	ng	-0.01
19) Phenanthrene-d10	17.03	188	30189	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	23593	0.40	ng	-0.02
34) Perylene-d12	23.48	264	22459	0.40	ng	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	5.24	112	4998	0.35	ng	0.00
5) Phenol-d6	6.81	99	7223	0.39	ng	-0.02
8) Nitrobenzene-d5	8.78	82	5823	0.35	ng	-0.01
11) 2-Methylnaphthalene-d10	11.99	152	13667	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	2255	0.34	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	16569	0.31	ng	-0.01
25) Fluoranthene-d10	19.07	212	29275	0.33	ng	-0.01
29) Terphenyl-d14	19.68	244	16997	0.34	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.44	128	52701	0.822	ng	100
12) 2-Methylnaphthalene	12.07	142	36515	0.823	ng	99
16) Acenaphthylene	13.99	152	112289	1.652	ng	99
17) Acenaphthene	14.33	154	116214	2.595	ng	99
18) Fluorene	15.32	166	190592	3.374	ng	98
23) Phenanthrene	17.07	178	2305524	26.858	ng	99
24) Anthracene	17.16	178	565345	7.590	ng	# 94
26) Fluoranthene	19.11	202	2613493	25.052	ng	98
28) Pyrene	19.47	202	2195764	26.598	ng	# 94
30) Benzo(a)anthracene	21.24	228	1055231	13.680	ng	98
31) Chrysene	21.29	228	857597	10.313	ng	97
32) Bis(2-ethylhexyl)phthalate	21.16	149	160579	4.136	ng	100
33) Indeno(1,2,3-cd)pyrene	25.71	276	417775	4.964	ng	97
35) Benzo(b)fluoranthene	22.82	252	934957	12.238	ng	100
36) Benzo(k)fluoranthene	22.86	252	357641m	4.392	ng	
37) Benzo(a)pyrene	23.39	252	690649	9.670	ng	100
38) Dibenzo(a,h)anthracene	25.71	278	113122	1.813	ng	# 91
39) Benzo(g,h,i)perylene	26.40	276	379546	6.094	ng	99

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

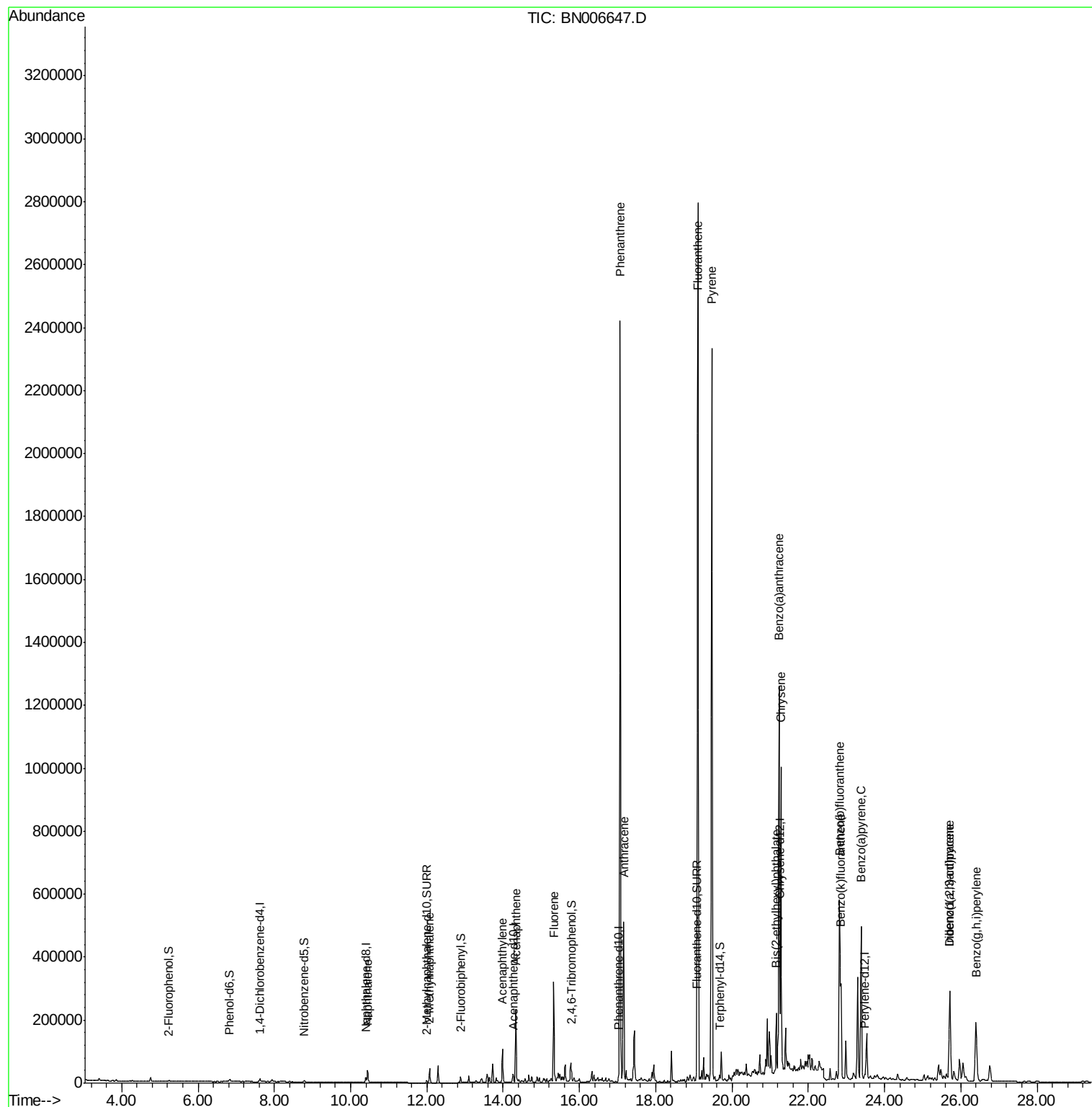
Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
Data File : BN006647.D
Acq On : 29 Jun 2019 11:24
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ALS Vial : 27 Sample Multiplier: 1

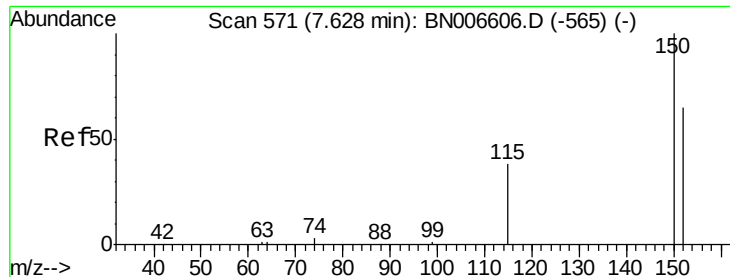
Instrument :
BNA_N
ClientSampleId :
PST-008-B036-061819

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Quant Time: Jul 01 08:25:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 13:47:56 2019
Response via : Initial Calibration

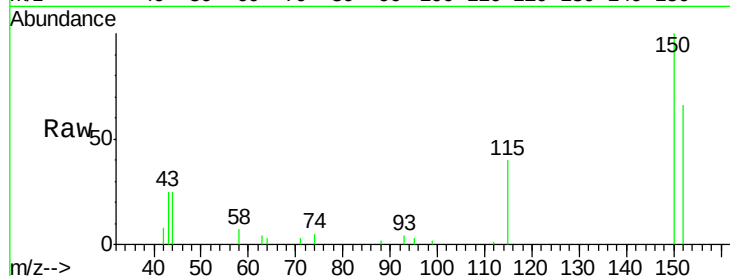




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006647.D
Acq: 29 Jun 2019 11:24

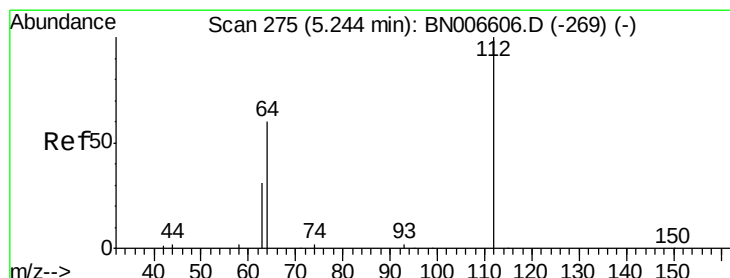
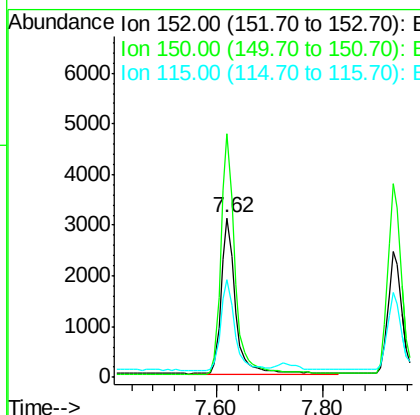
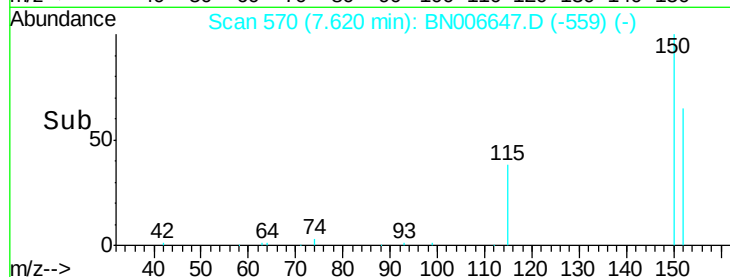
Instrument :
BNA_N
ClientSampleId :
PST-008-B036-061819



Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.5	122.2	183.2
115	61.2	50.0	75.0

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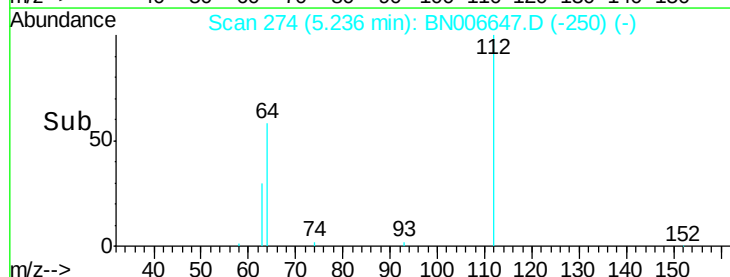
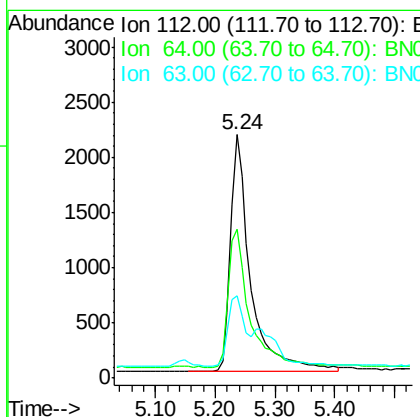
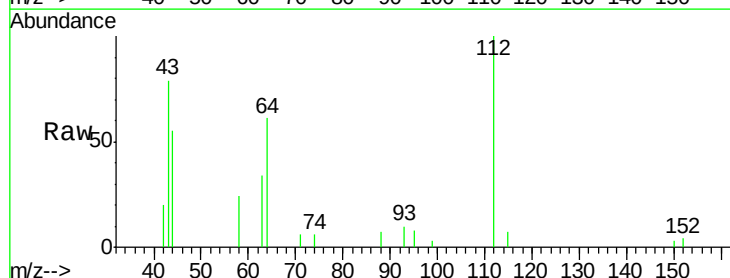
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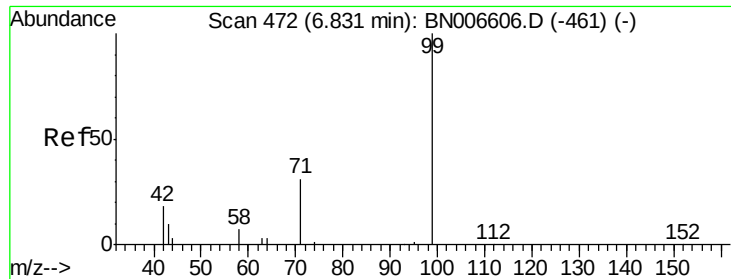


#4

2-Fluorophenol
Concen: 0.354 ng
RT: 5.24 min Scan# 274
Delta R.T. -0.01 min
Lab File: BN006647.D
Acq: 29 Jun 2019 11:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	48.9	73.3
63	25.4	24.3	36.5





#5

Phenol-d6

Concen: 0.386 ng

RT: 6.81 min Scan# 470

Delta R.T. -0.02 min

Lab File: BN006647.D

Acq: 29 Jun 2019 11:24

Instrument :

BNA_N

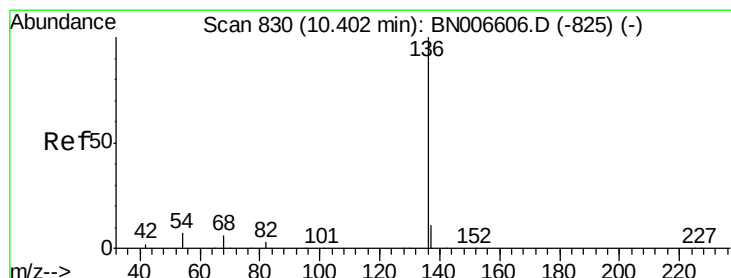
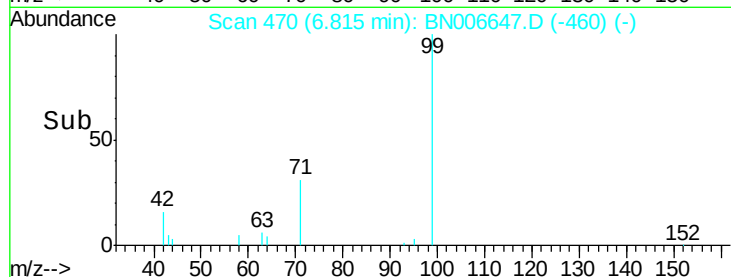
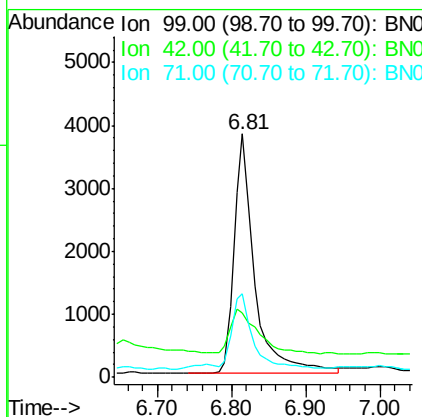
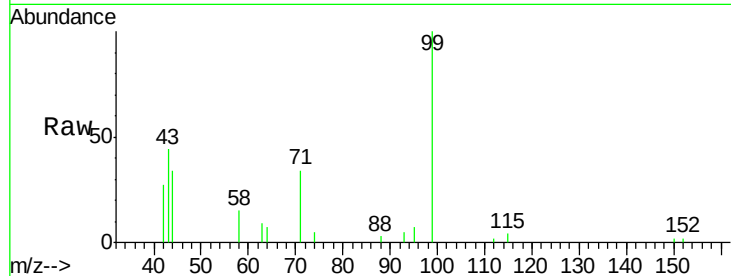
ClientSampleId :

PST-008-B036-061819

Tgt Ion:	99	Resp:	7223
Ion	Ratio	Lower	Upper
99	100		
42	25.5	16.4	24.6#
71	31.7	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

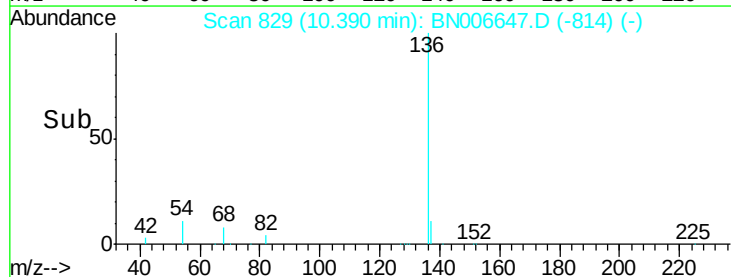
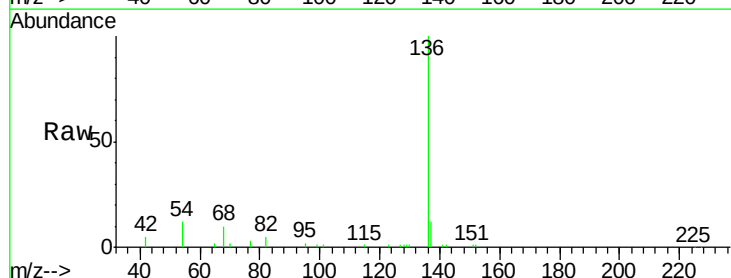
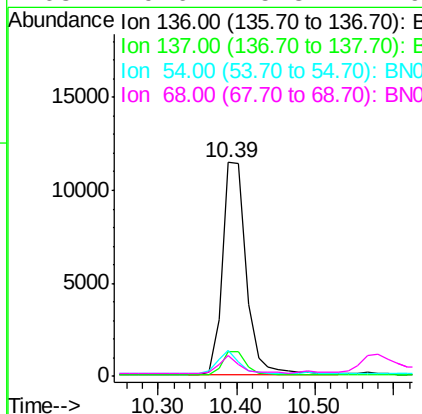
RT: 10.39 min Scan# 829

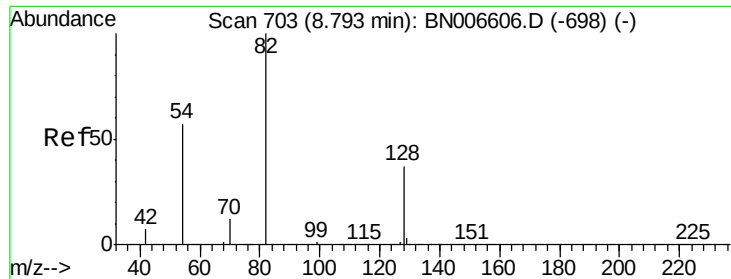
Delta R.T. -0.01 min

Lab File: BN006647.D

Acq: 29 Jun 2019 11:24

Tgt Ion:	136	Resp:	24417
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.3	13.9
54	12.1	6.7	10.1#
68	9.6	5.3	7.9#





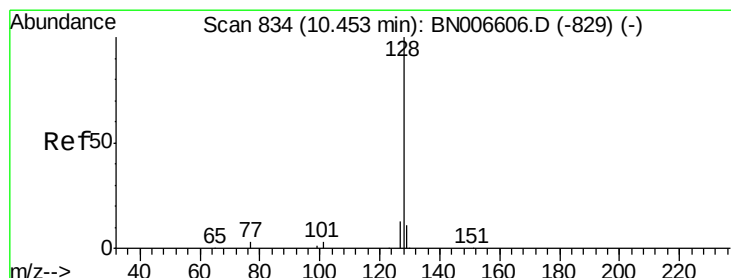
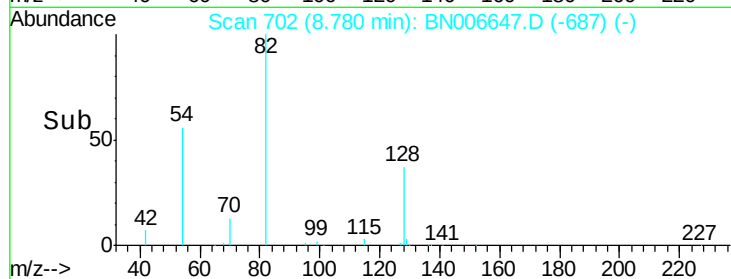
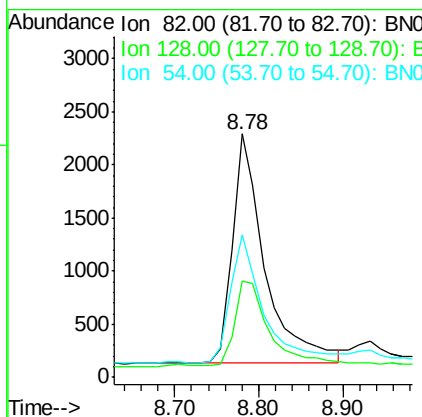
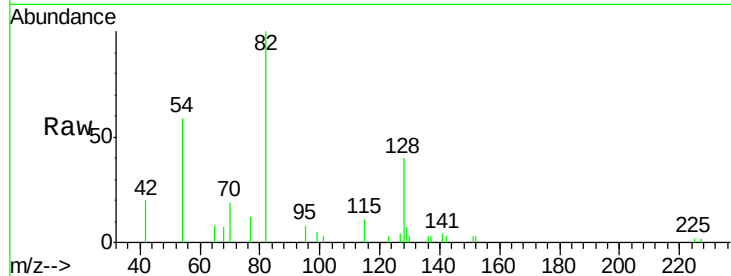
#8
 Nitrobenzene-d5
 Concen: 0.355 ng
 RT: 8.78 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: BN006647.D
 Acq: 29 Jun 2019 11:24

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-B036-061819

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.5	32.6	49.0
54	58.8	48.2	72.4

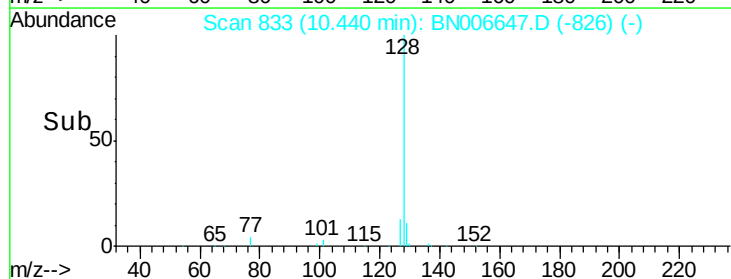
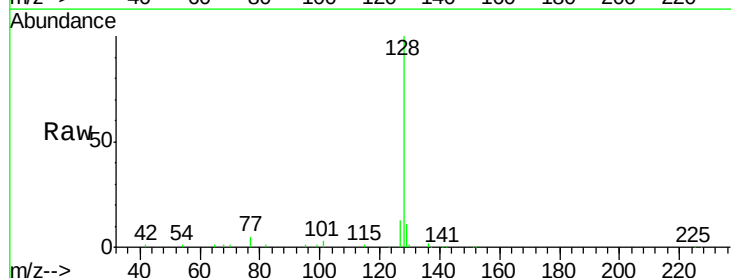
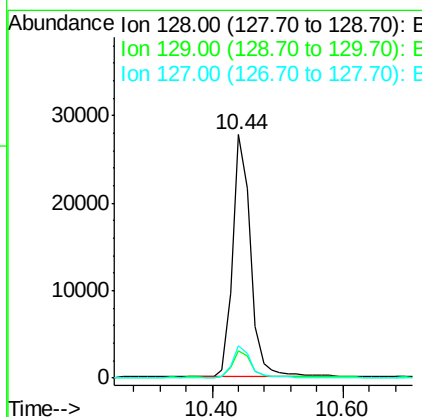
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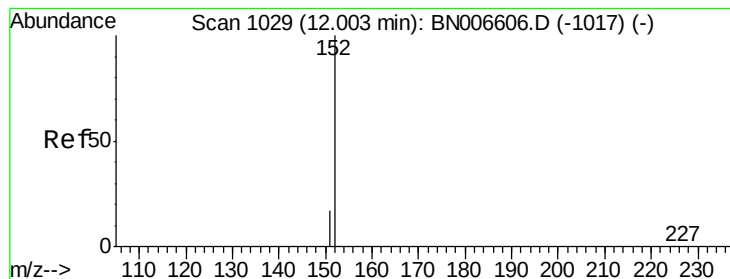
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#9
 Naphthalene
 Concen: 0.822 ng
 RT: 10.44 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BN006647.D
 Acq: 29 Jun 2019 11:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.3	13.9
127	13.4	10.8	16.2





#11

2-Methylnaphthalene-d10

Concen: 0.355 ng

RT: 11.99 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BN006647.D

Acq: 29 Jun 2019 11:24

Instrument :

BNA_N

ClientSampleId :

PST-008-B036-061819

Tgt Ion:152 Resp: 13667

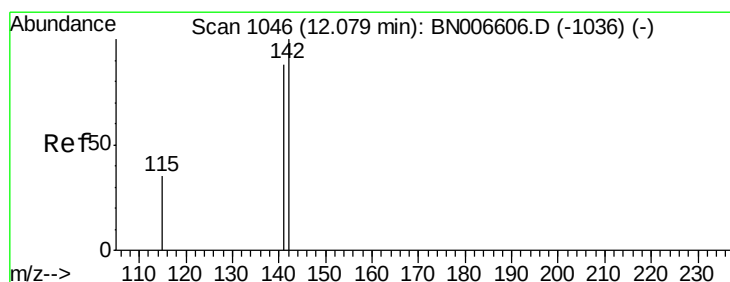
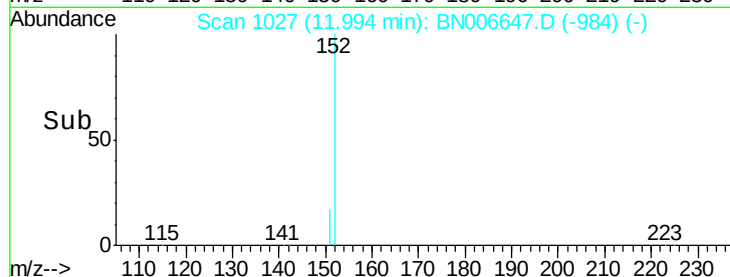
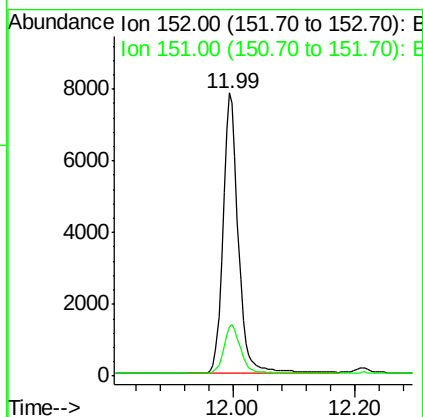
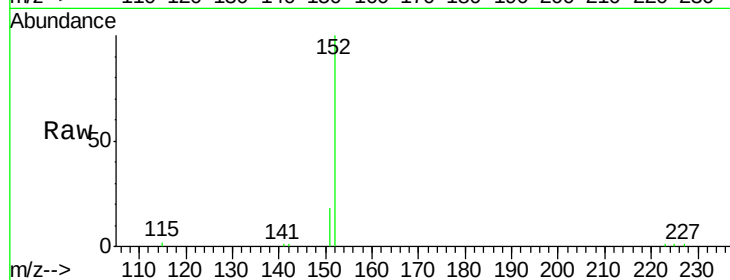
Ion Ratio Lower Upper

152 100

151 19.3 15.0 22.4

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#12

2-Methylnaphthalene

Concen: 0.823 ng

RT: 12.07 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BN006647.D

Acq: 29 Jun 2019 11:24

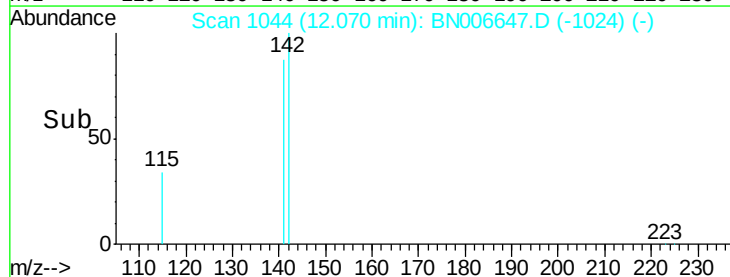
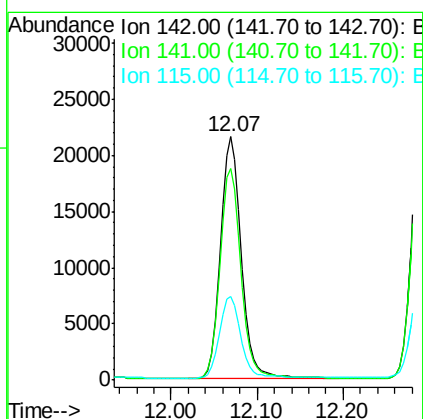
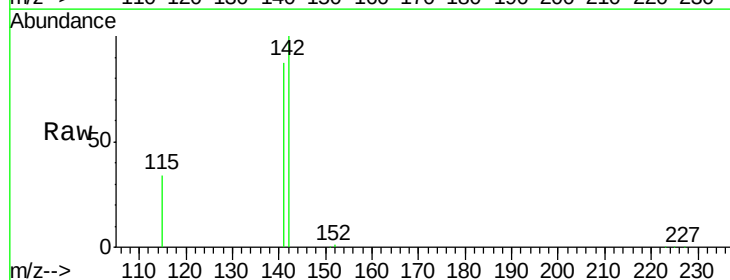
Tgt Ion:142 Resp: 36515

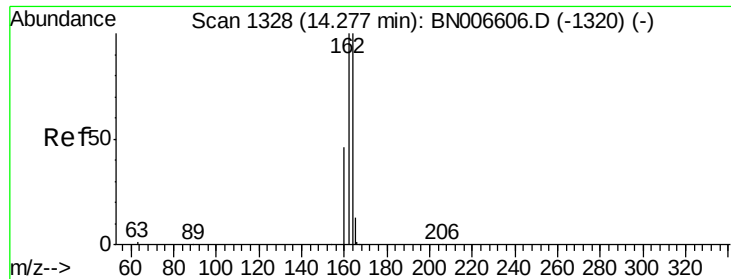
Ion Ratio Lower Upper

142 100

141 87.1 70.2 105.4

115 34.5 28.5 42.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.27 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BN006647.D

Acq: 29 Jun 2019 11:24

Instrument :

BNA_N

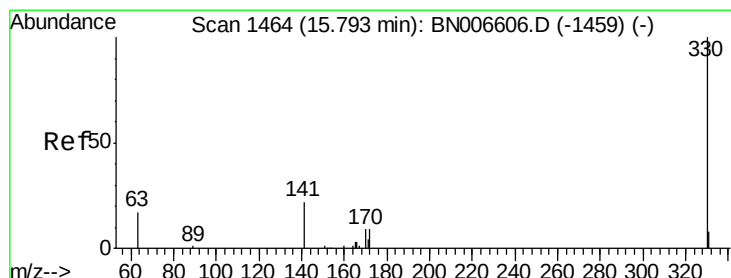
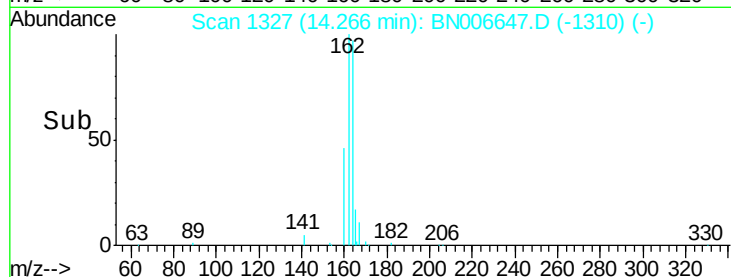
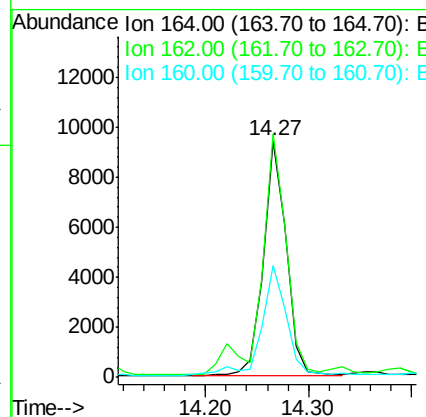
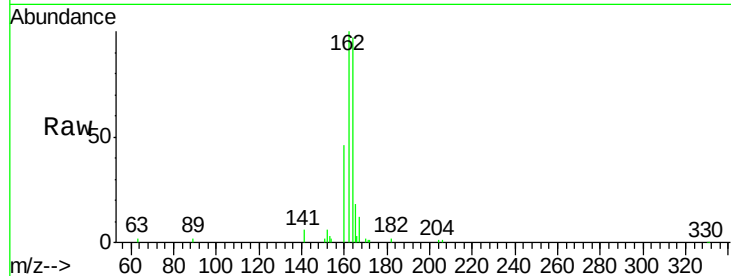
ClientSampleId :

PST-008-B036-061819

Tgt Ion:	164	Resp:	14255
Ion Ratio	Lower	Upper	
164	100		
162	103.0	80.0	120.0
160	47.4	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.336 ng

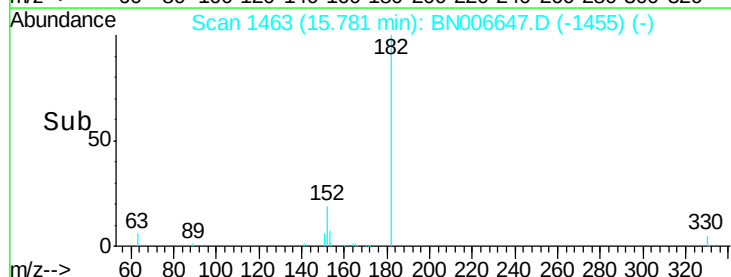
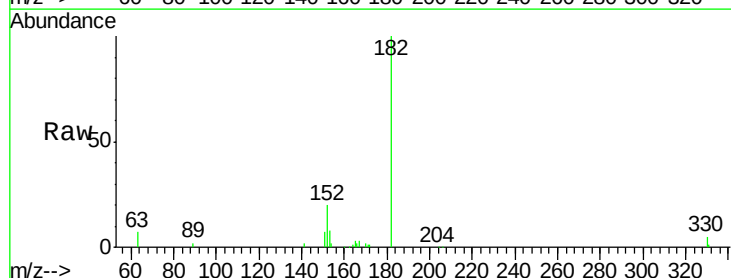
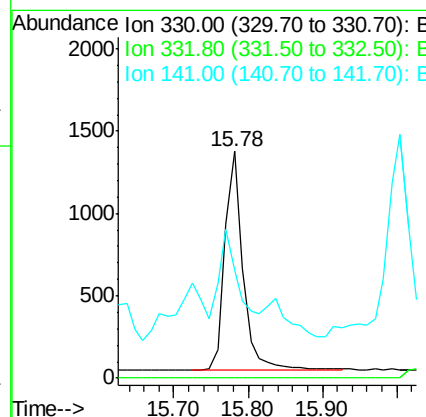
RT: 15.78 min Scan# 1463

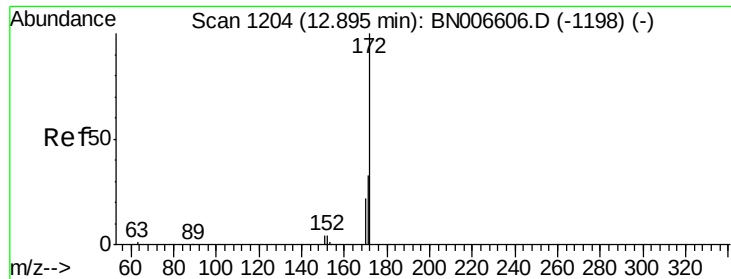
Delta R.T. -0.01 min

Lab File: BN006647.D

Acq: 29 Jun 2019 11:24

Tgt Ion:	330	Resp:	2255
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	45.1	26.5	39.7#





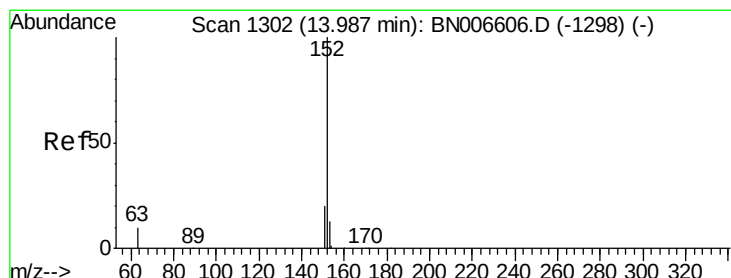
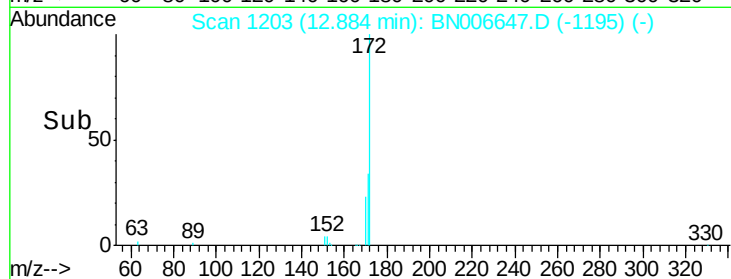
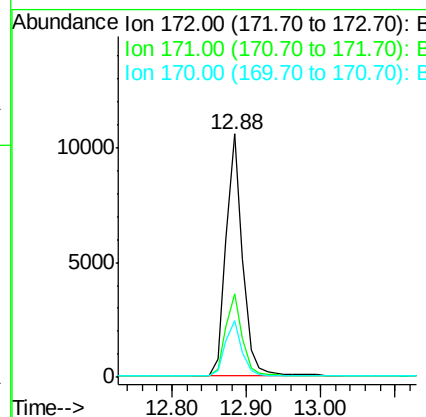
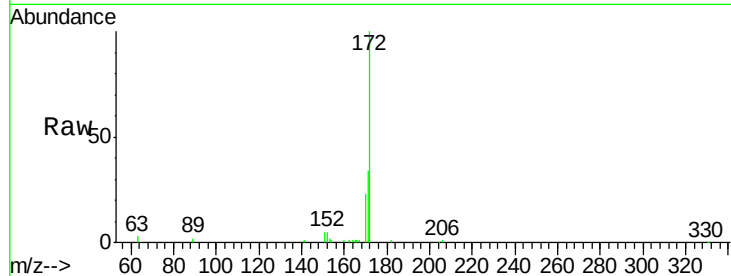
#15
2-Fluorobiphenyl
Concen: 0.314 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006647.D
Acq: 29 Jun 2019 11:24

Instrument :
BNA_N
ClientSampleId :
PST-008-B036-061819

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.0	40.4
170	23.2	17.7	26.5

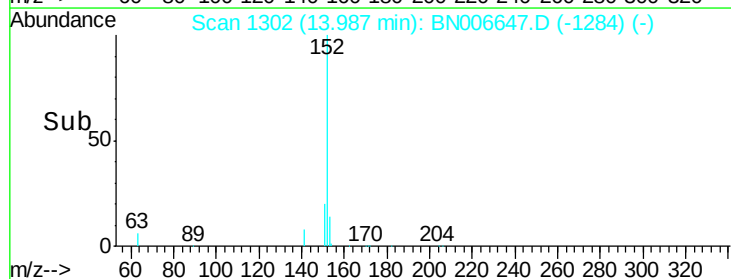
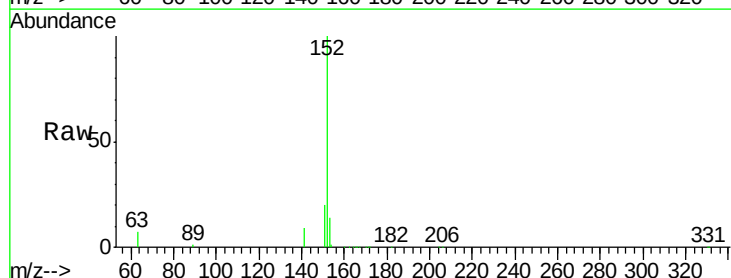
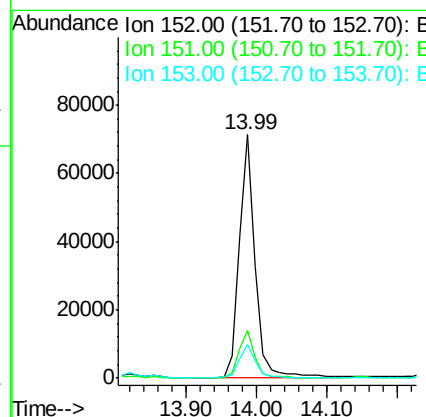
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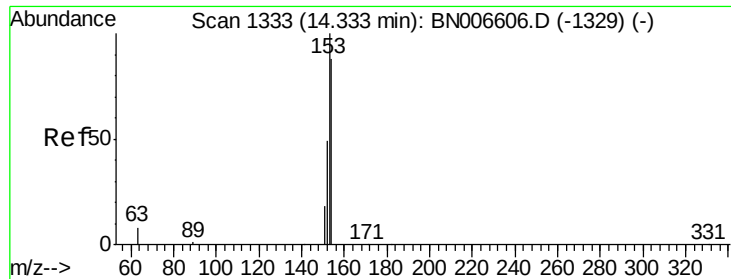
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#16
Acenaphthylene
Concen: 1.652 ng
RT: 13.99 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BN006647.D
Acq: 29 Jun 2019 11:24

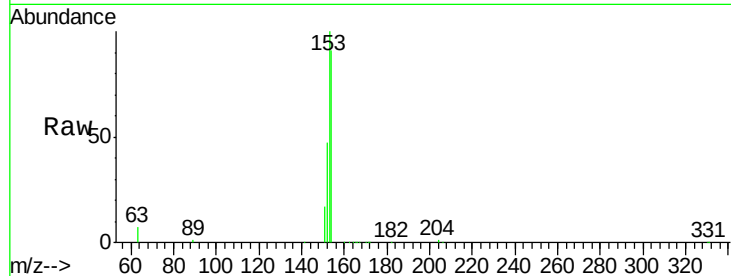
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.6	23.4
153	14.0	10.5	15.7





#17
Acenaphthene
Concen: 2.595 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BN006647.D
Acq: 29 Jun 2019 11:24

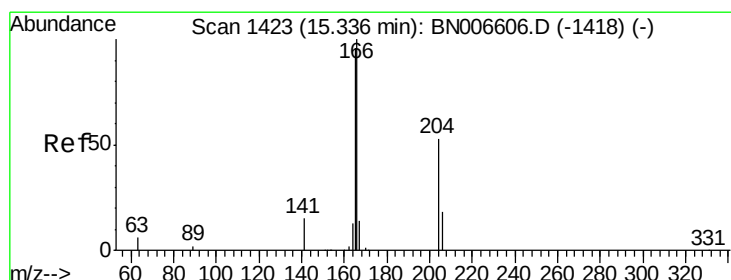
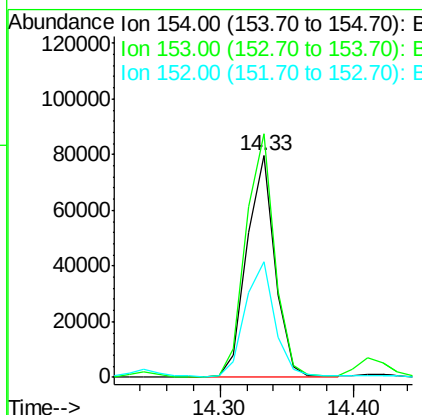
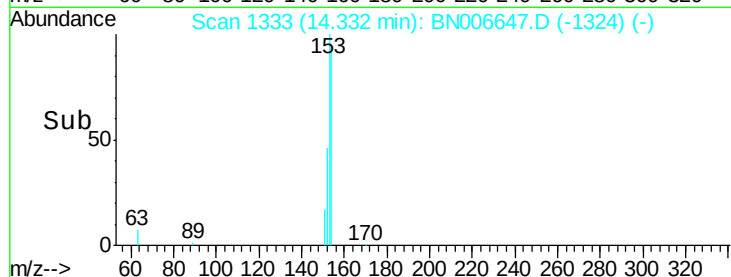
Instrument :
BNA_N
ClientSampleId :
PST-008-B036-061819



Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.2	135.4
152	54.4	44.2	66.4

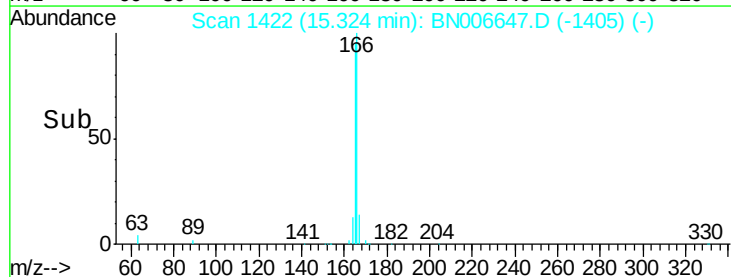
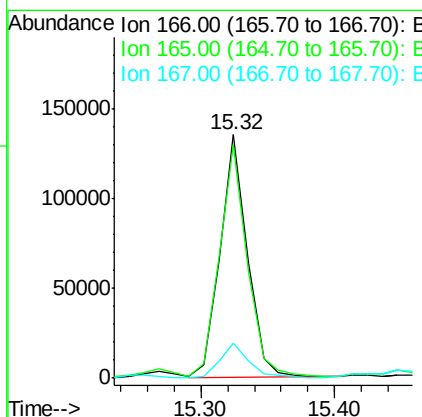
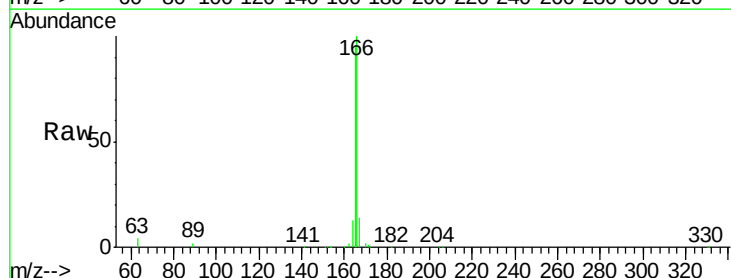
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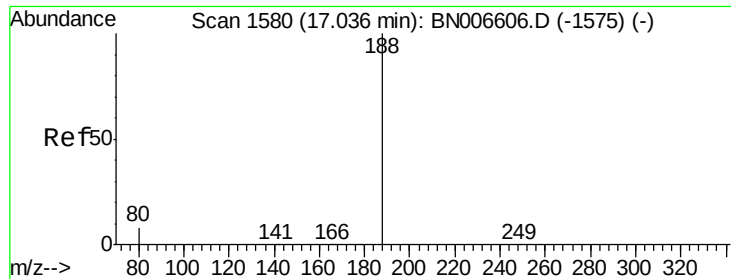
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#18
Fluorene
Concen: 3.374 ng
RT: 15.32 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BN006647.D
Acq: 29 Jun 2019 11:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.4	117.6
167	15.3	10.8	16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.03 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BN006647.D

Acq: 29 Jun 2019 11:24

Instrument :

BNA_N

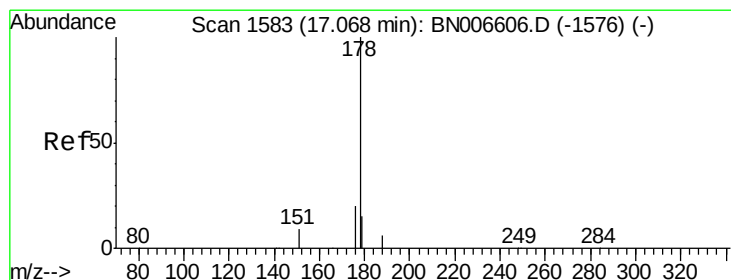
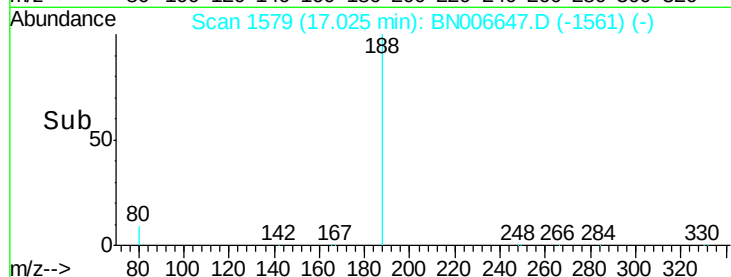
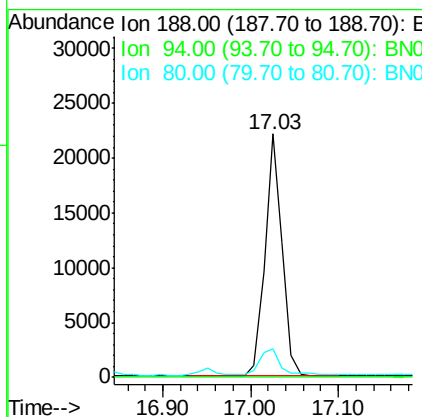
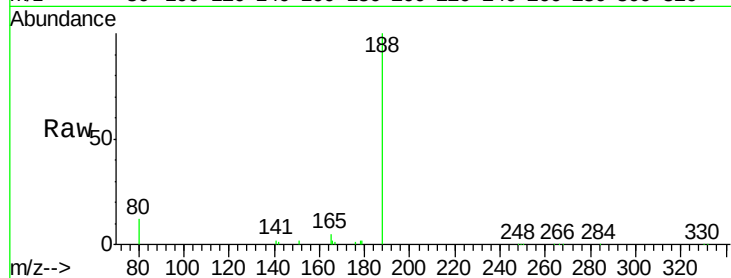
ClientSampleId :

PST-008-B036-061819

Tgt Ion:	188	Resp:	30189
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	11.5	7.1	10.7#

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#23

Phenanthrene

Concen: 26.858 ng

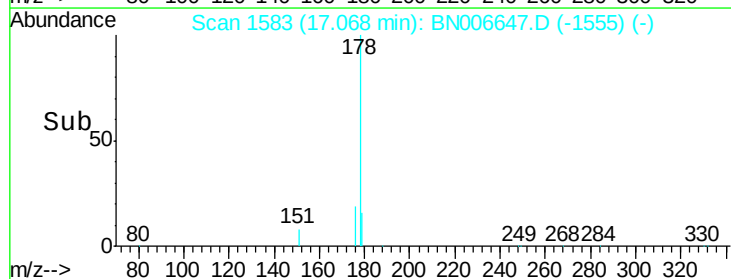
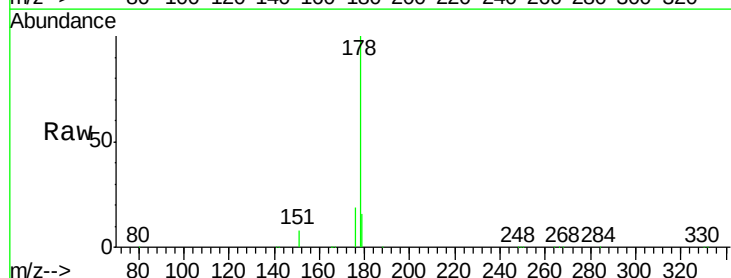
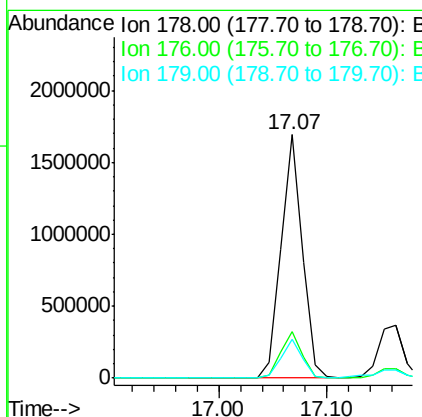
RT: 17.07 min Scan# 1583

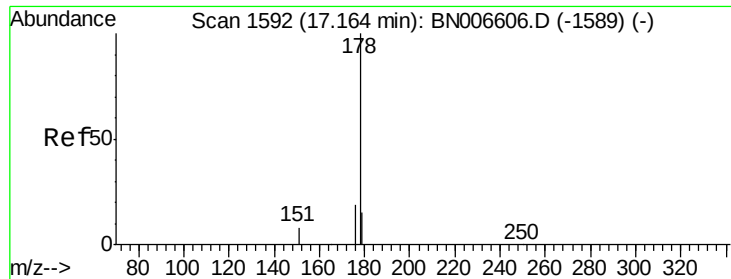
Delta R.T. -0.00 min

Lab File: BN006647.D

Acq: 29 Jun 2019 11:24

Tgt Ion:	178	Resp:	2305524
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.3	22.9
179	15.7	12.2	18.4





#24

Anthracene

Concen: 7.590 ng

RT: 17.16 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BN006647.D

Acq: 29 Jun 2019 11:24

Instrument :

BNA_N

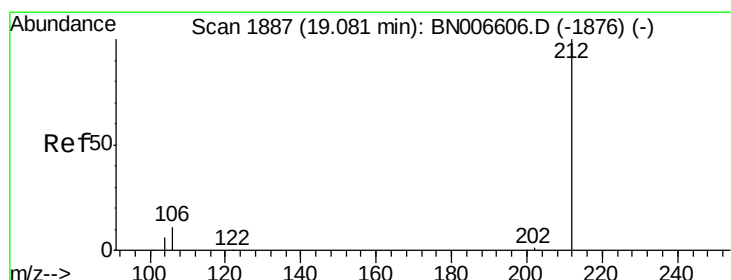
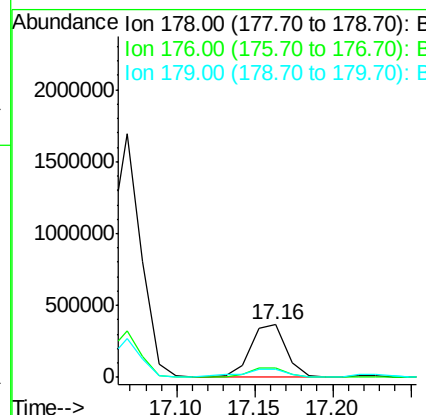
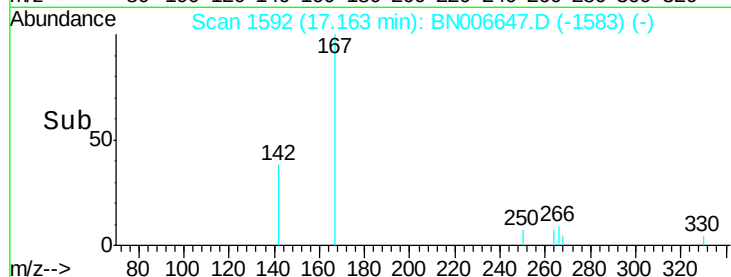
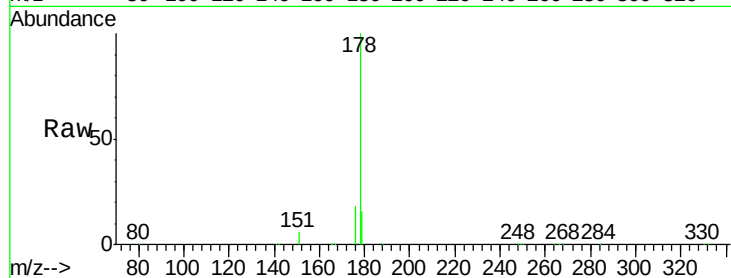
ClientSampleId :

PST-008-B036-061819

Tgt Ion:	178	Resp:	565345
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.0	22.4
179	19.8	12.2	18.2#

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#25

Fluoranthene-d10

Concen: 0.330 ng

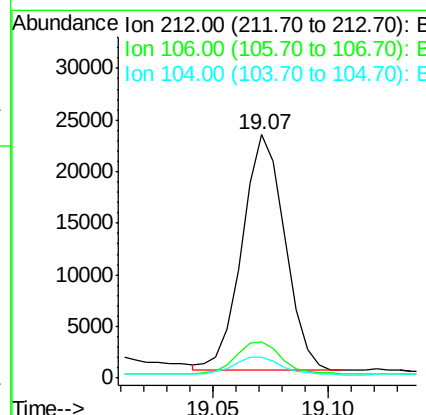
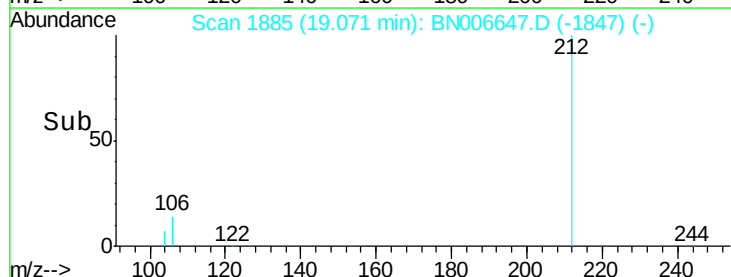
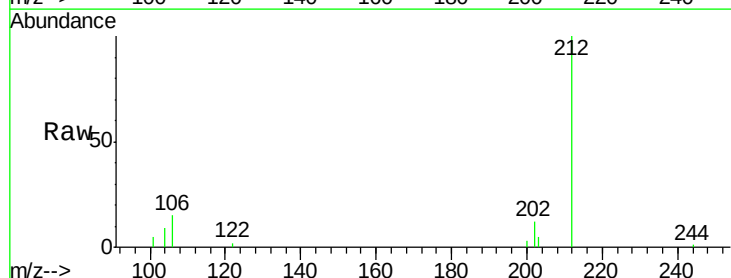
RT: 19.07 min Scan# 1885

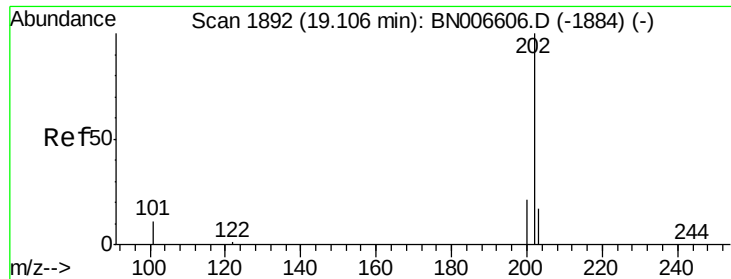
Delta R.T. -0.01 min

Lab File: BN006647.D

Acq: 29 Jun 2019 11:24

Tgt Ion:	212	Resp:	29275
Ion Ratio	Lower	Upper	
212	100		
106	14.4	10.6	15.8
104	8.4	5.8	8.6





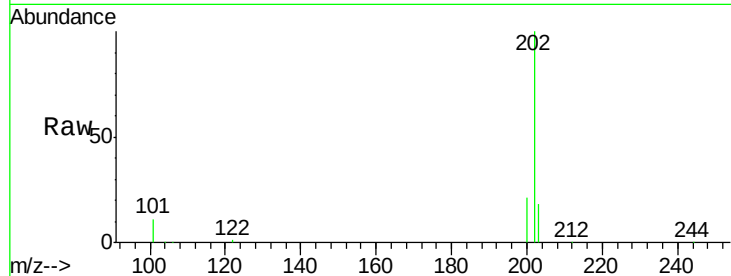
#26
Fluoranthene
Concen: 25.052 ng
RT: 19.11 min Scan# 1892
Delta R.T. -0.00 min
Lab File: BN006647.D
Acq: 29 Jun 2019 11:24

Instrument :
BNA_N
ClientSampleId :
PST-008-B036-061819

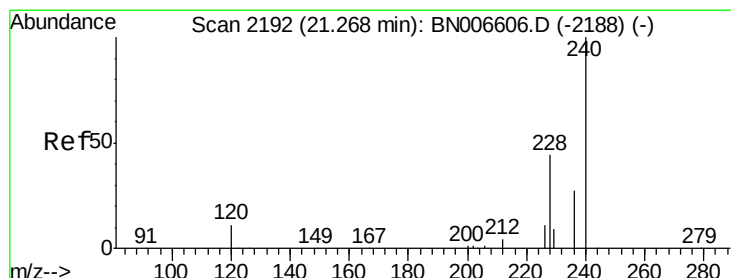
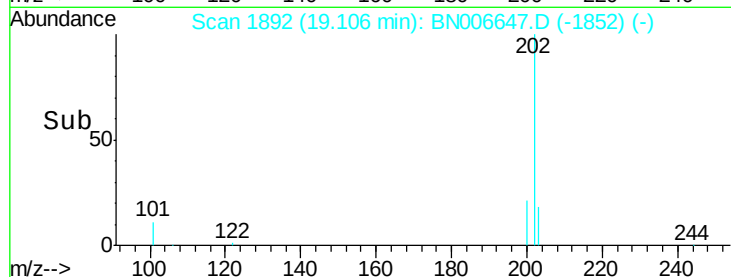
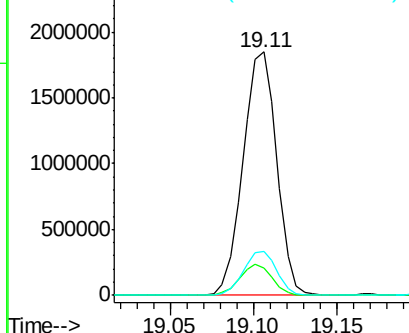
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	8.9	13.3
203	17.9	13.6	20.4

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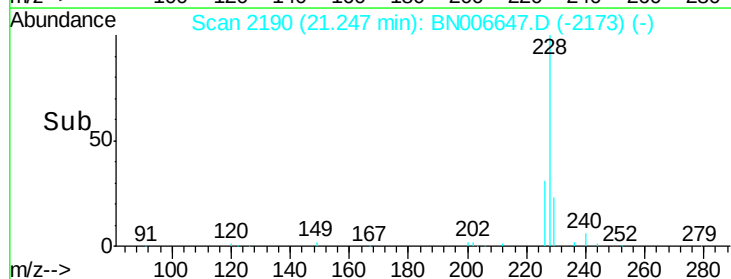
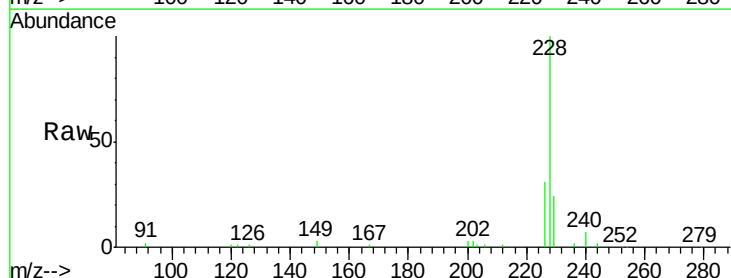
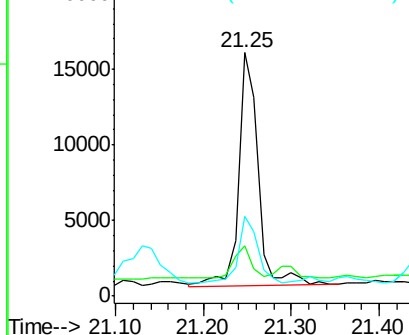
Abundance Ion 202.00 (201.70 to 202.70): E
2500000
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

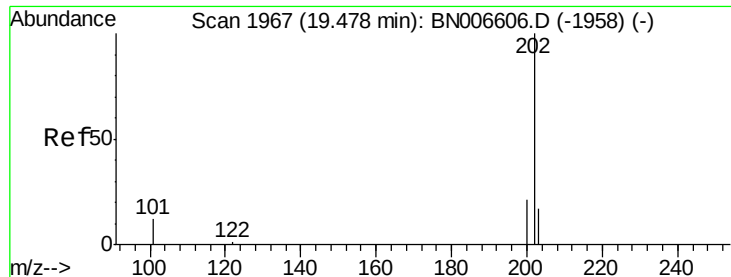


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BN006647.D
Acq: 29 Jun 2019 11:24

Tgt Ion	Ratio	Lower	Upper
240	100		
120	20.8	9.9	14.9#
236	32.8	22.2	33.4

Abundance Ion 240.00 (239.70 to 240.70): E
20000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





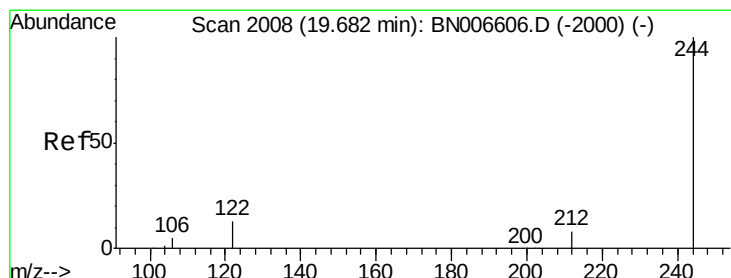
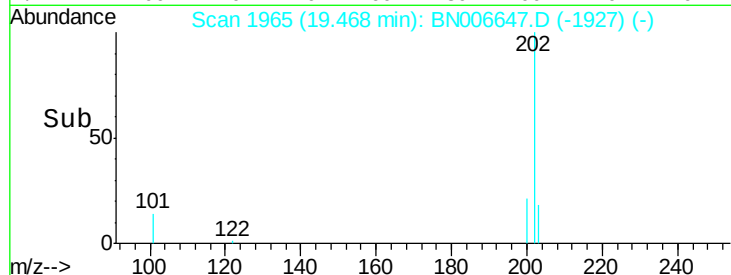
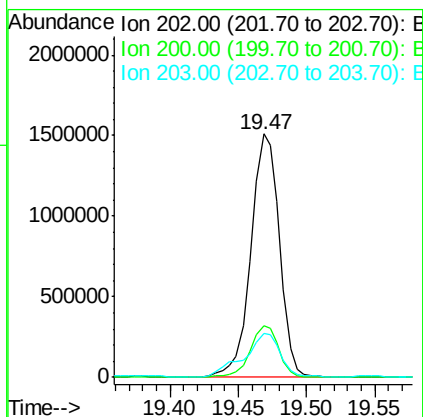
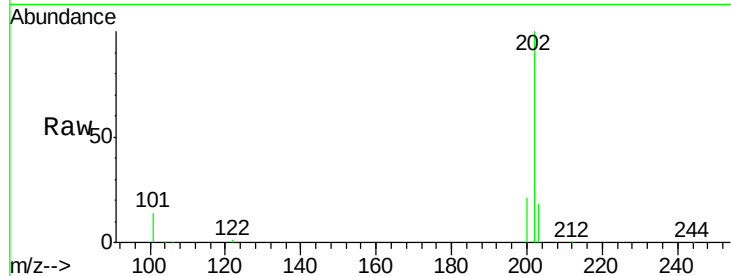
#28
 Pyrene
 Concen: 26.598 ng
 RT: 19.47 min Scan# 1965
 Delta R.T. -0.01 min
 Lab File: BN006647.D
 Acq: 29 Jun 2019 11:24

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-B036-061819

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	22.8	14.1	21.1

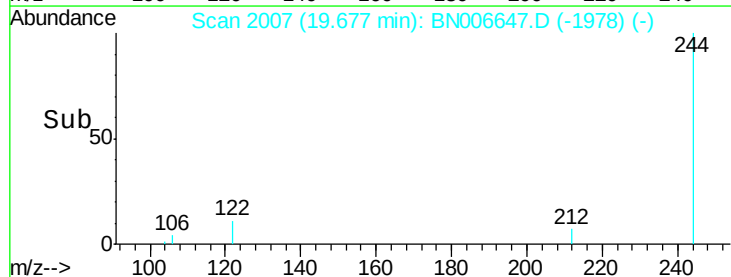
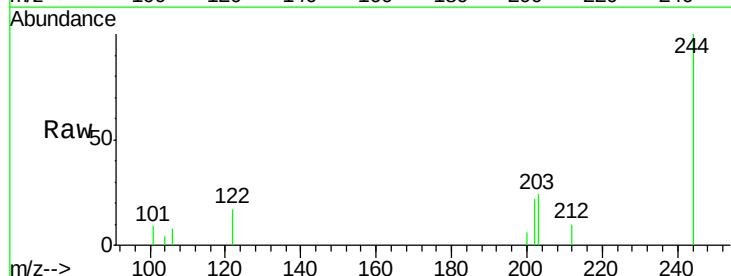
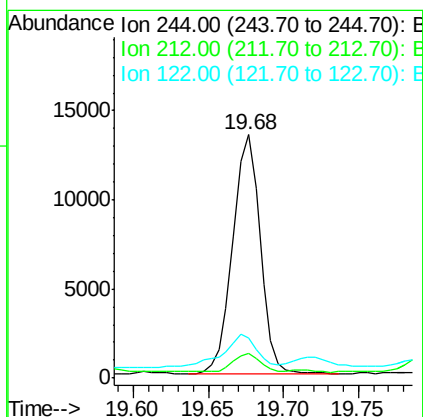
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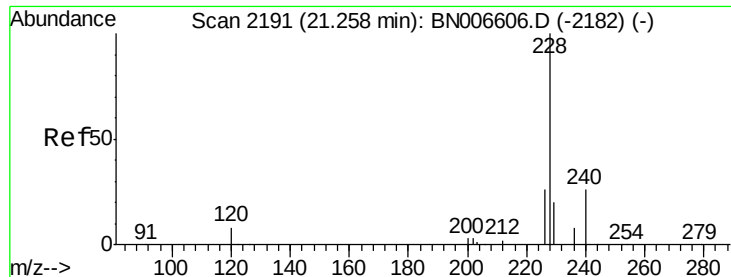
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#29
 Terphenyl-d14
 Concen: 0.344 ng
 RT: 19.68 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BN006647.D
 Acq: 29 Jun 2019 11:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.2	6.7	10.1
122	16.6	11.0	16.6





#30

Benzo(a)anthracene

Concen: 13.680 ng

RT: 21.24 min Scan# 2189

Delta R.T. -0.02 min

Lab File: BN006647.D

Acq: 29 Jun 2019 11:24

Instrument :

BNA_N

ClientSampleId :

PST-008-B036-061819

Tgt Ion:228 Resp: 1055231

Ion Ratio Lower Upper

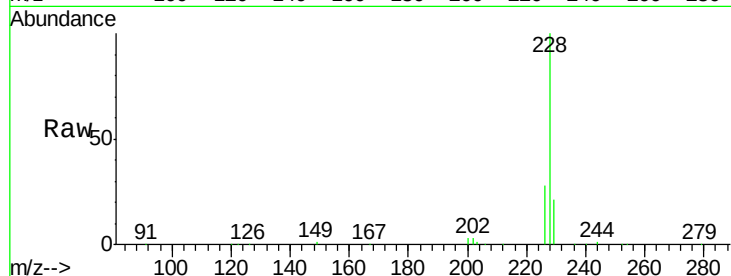
228 100

226 27.5 21.2 31.8

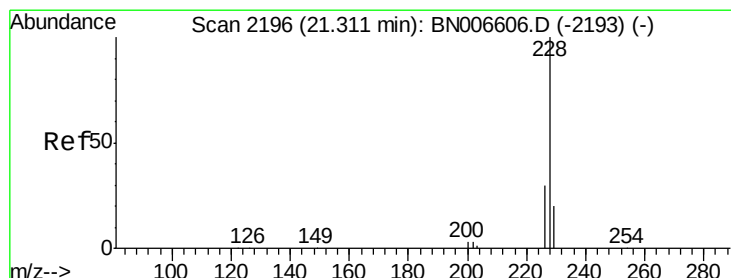
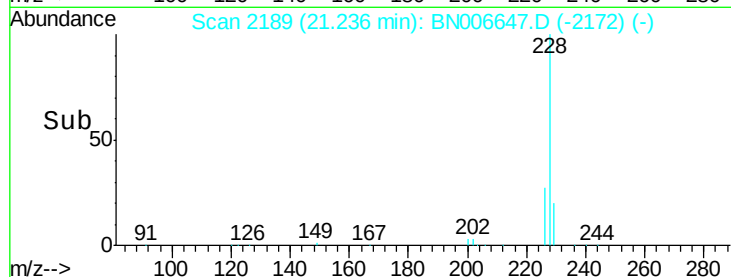
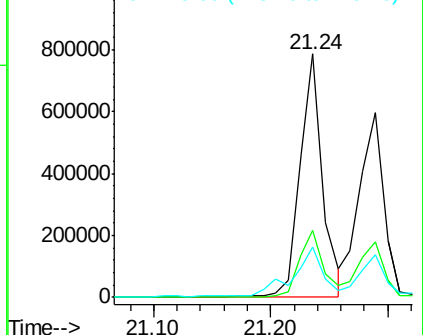
229 20.8 16.1 24.1

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 10.313 ng

RT: 21.29 min Scan# 2194

Delta R.T. -0.02 min

Lab File: BN006647.D

Acq: 29 Jun 2019 11:24

Tgt Ion:228 Resp: 857597

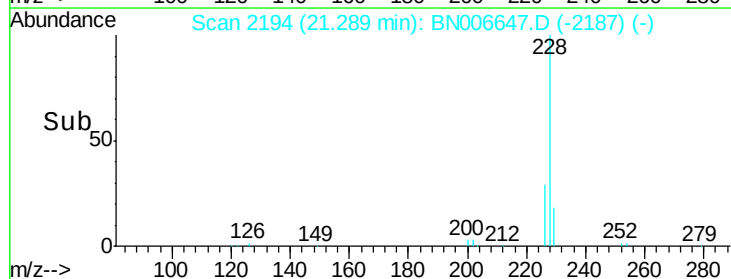
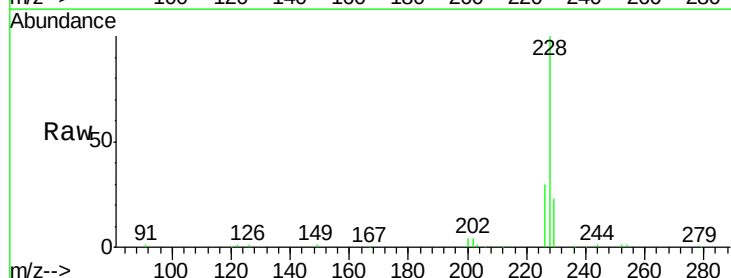
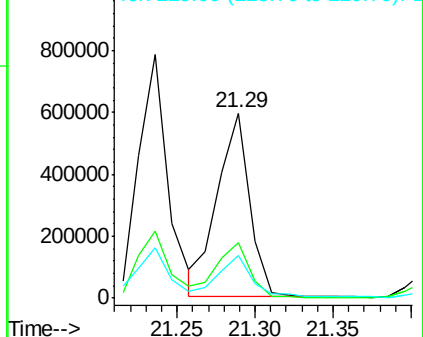
Ion Ratio Lower Upper

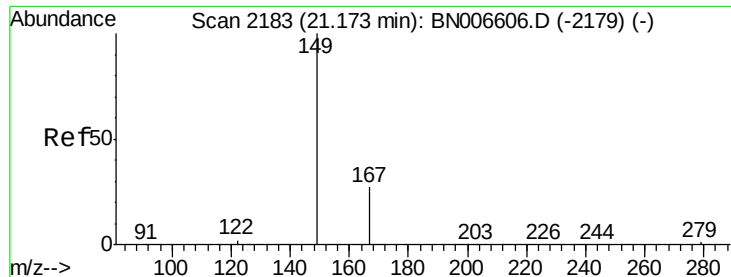
228 100

226 29.7 23.8 35.6

229 22.8 15.9 23.9

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 4.136 ng

RT: 21.16 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BN006647.D

Acq: 29 Jun 2019 11:24

Instrument :

BNA_N

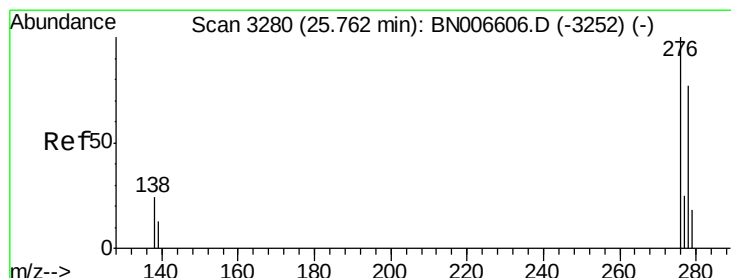
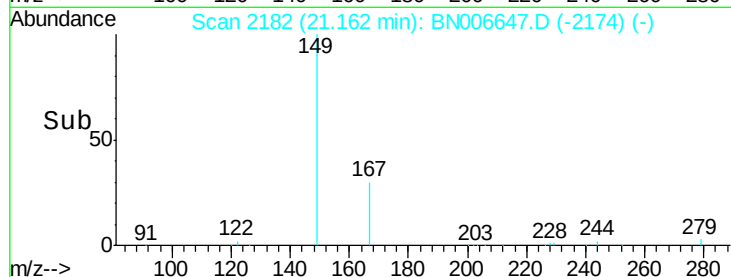
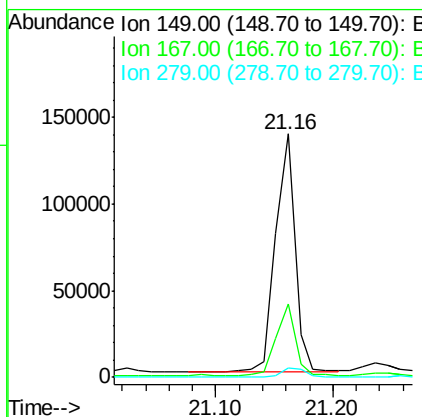
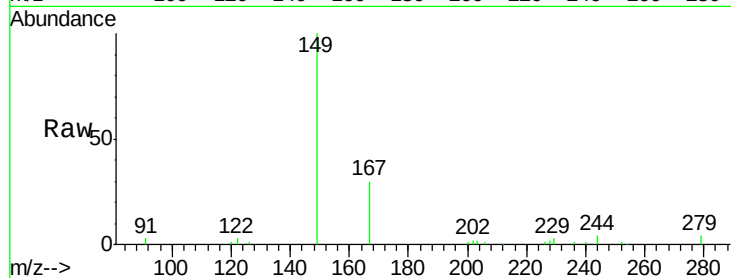
ClientSampleId :

PST-008-B036-061819

Tgt Ion:	149	Resp:	160579
Ion Ratio	Lower	Upper	
149	100		
167	28.3	22.9	34.3
279	4.0	3.3	4.9

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#33

Indeno(1,2,3-cd)pyrene

Concen: 4.964 ng

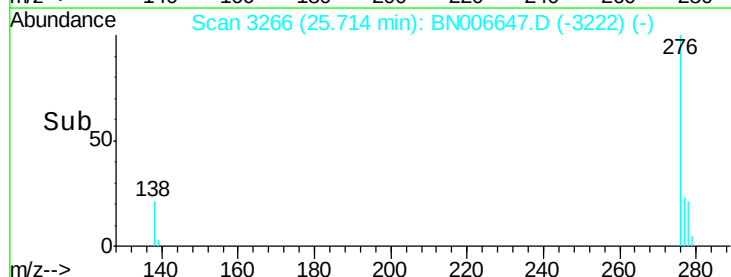
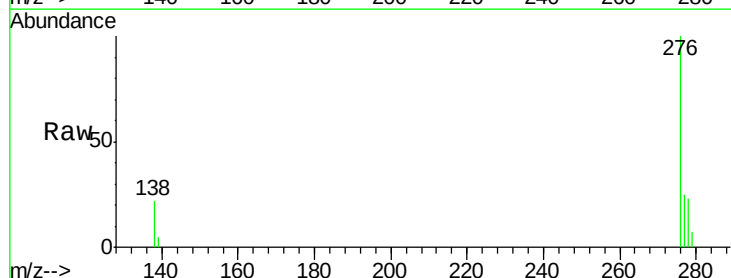
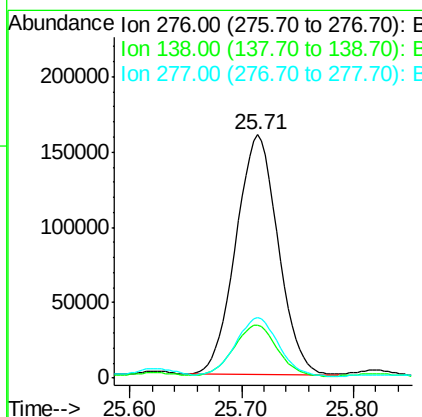
RT: 25.71 min Scan# 3266

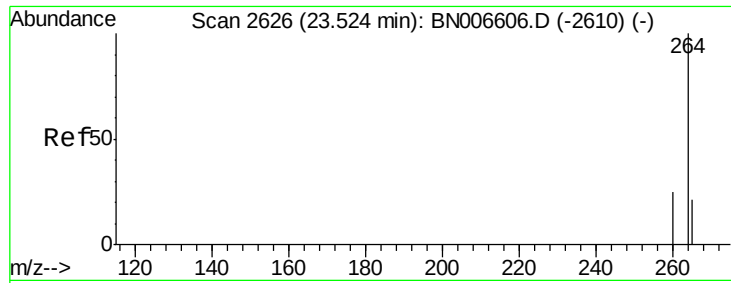
Delta R.T. -0.05 min

Lab File: BN006647.D

Acq: 29 Jun 2019 11:24

Tgt Ion:	276	Resp:	417775
Ion Ratio	Lower	Upper	
276	100		
138	21.7	19.3	28.9
277	24.7	19.9	29.9





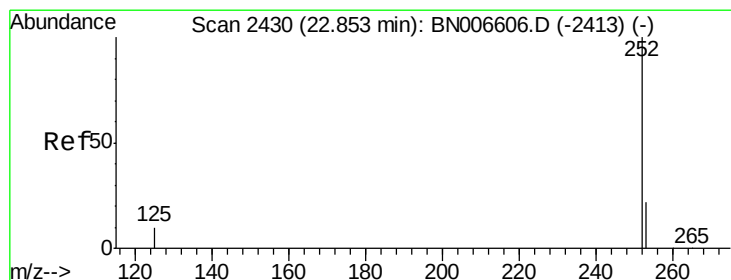
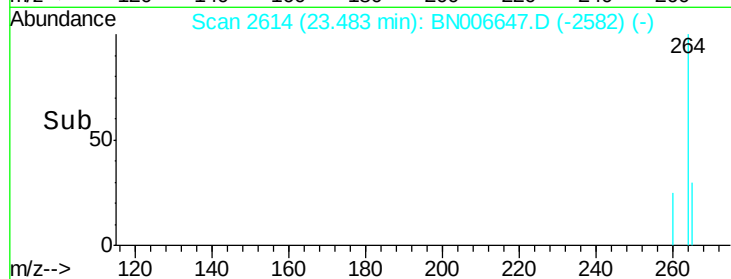
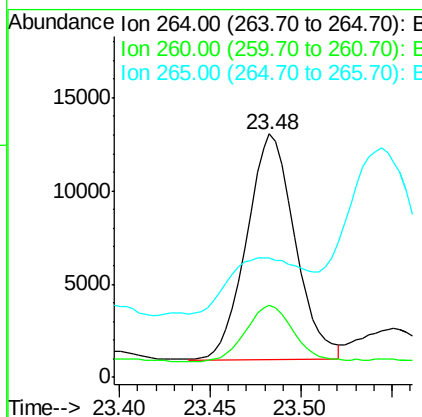
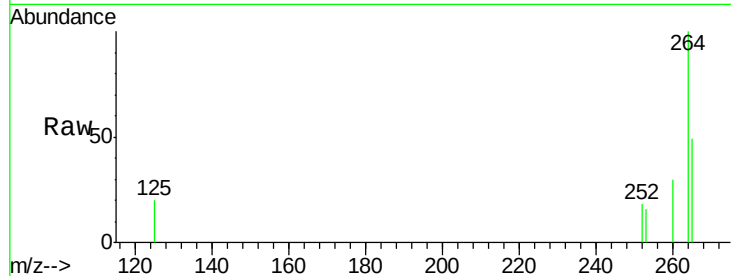
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.48 min Scan# 2614
 Delta R.T. -0.04 min
 Lab File: BN006647.D
 Acq: 29 Jun 2019 11:24

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-B036-061819

Tgt Ion	Ratio	Lower	Upper
264	100		
260	29.9	20.2	30.2
265	48.9	23.3	34.9

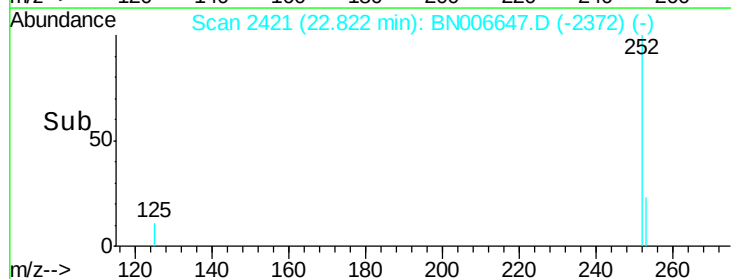
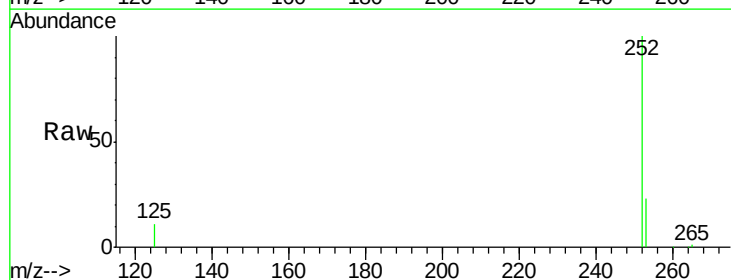
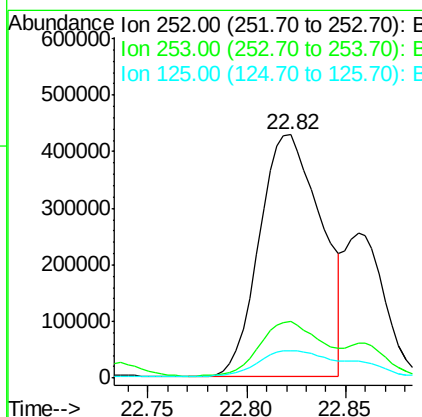
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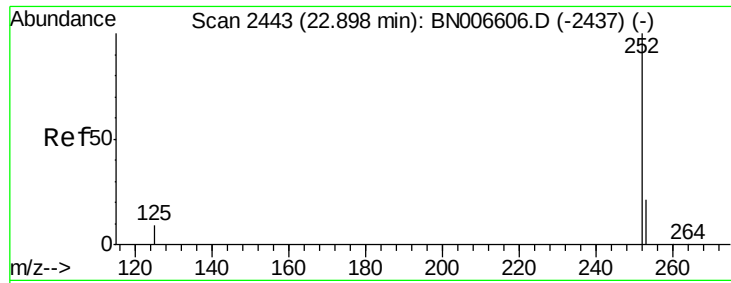
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#35
Benzo(b)fluoranthene
 Concen: 12.238 ng
 RT: 22.82 min Scan# 2421
 Delta R.T. -0.03 min
 Lab File: BN006647.D
 Acq: 29 Jun 2019 11:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	11.3	8.7	13.1





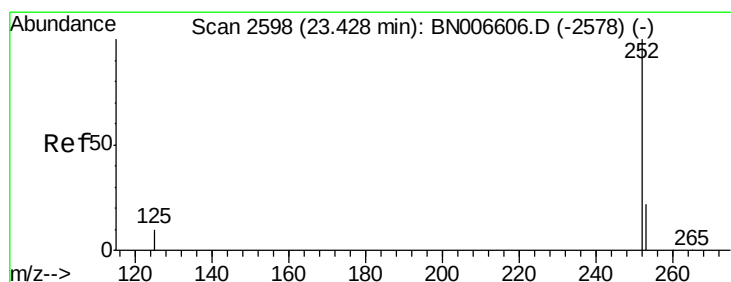
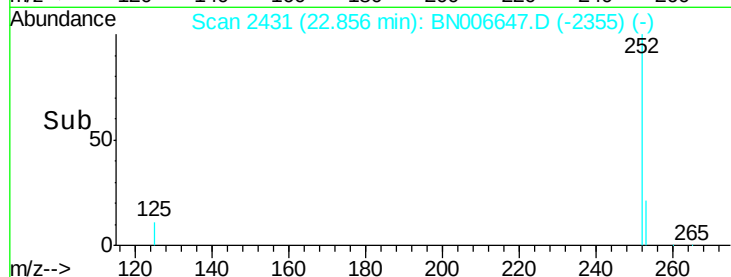
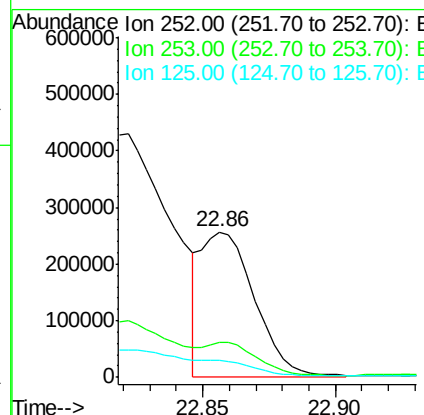
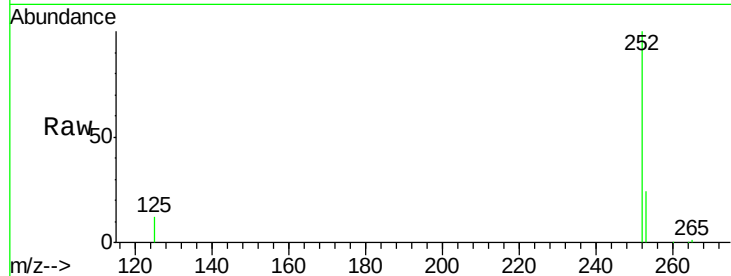
#36
Benzo(k)fluoranthene
Concen: 4.392 ng m
RT: 22.86 min Scan# 2431
Delta R.T. -0.04 min
Lab File: BN006647.D
Acq: 29 Jun 2019 11:24

Instrument :
BNA_N
ClientSampleId :
PST-008-B036-061819

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.3	27.5
125	11.8	8.4	12.6

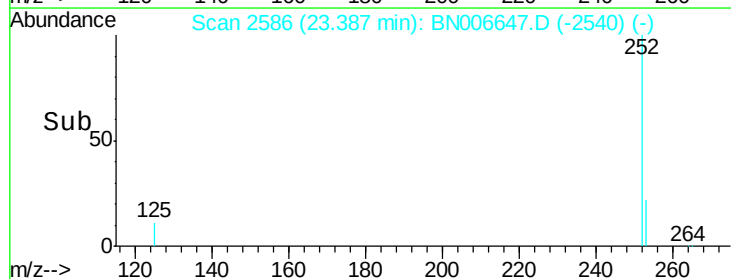
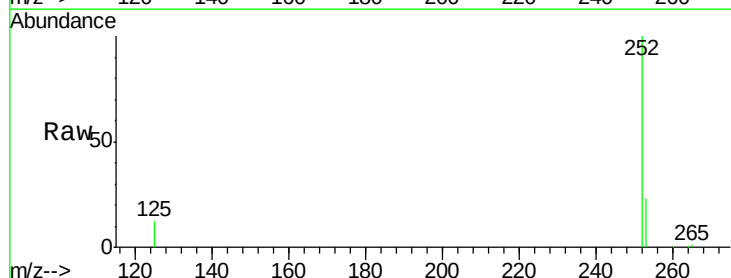
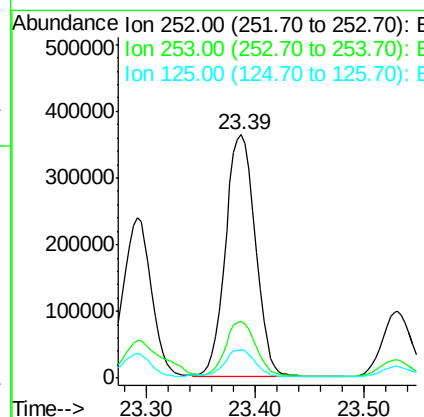
Manual Integrations
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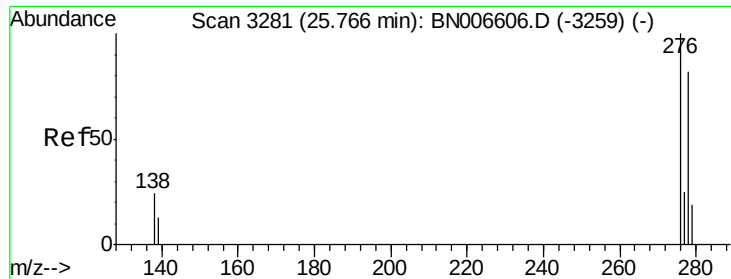
mohammad
7/1/2019 3:09:06 PM



#37
Benzo(a)pyrene
Concen: 9.670 ng
RT: 23.39 min Scan# 2586
Delta R.T. -0.04 min
Lab File: BN006647.D
Acq: 29 Jun 2019 11:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.8	28.2
125	11.6	9.4	14.2





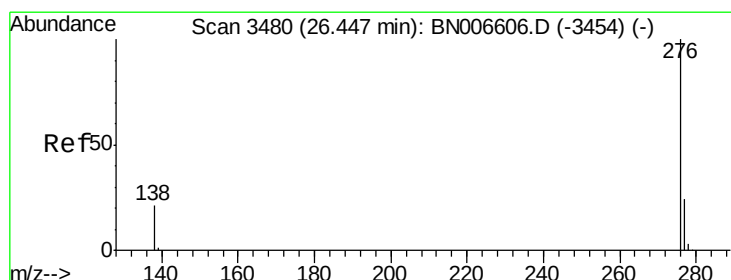
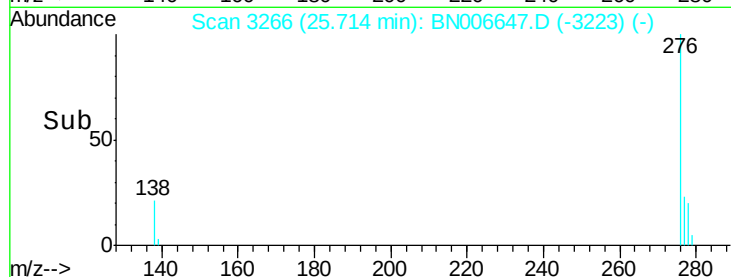
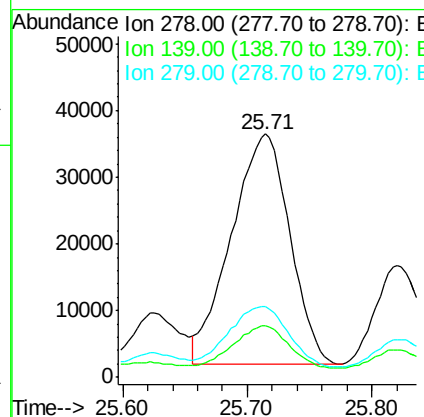
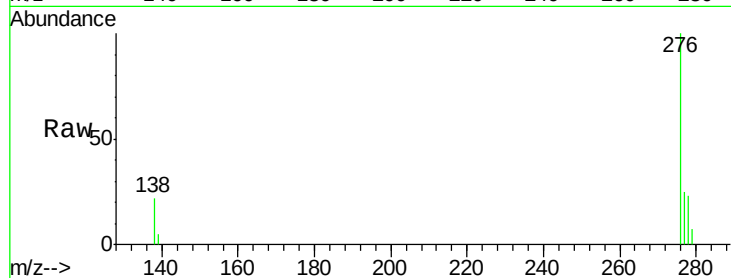
#38
Dibenzo(a,h)anthracene
Concen: 1.813 ng
RT: 25.71 min Scan# 3266
Delta R.T. -0.05 min
Lab File: BN006647.D
Acq: 29 Jun 2019 11:24

Instrument :
BNA_N
ClientSampleId :
PST-008-B036-061819

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.1	13.5	20.3#
279	28.8	19.4	29.2

Manual Integrations
APPROVED

mohammad
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#39
Benzo(g,h,i)perylene
Concen: 6.094 ng
RT: 26.40 min Scan# 3466
Delta R.T. -0.05 min
Lab File: BN006647.D
Acq: 29 Jun 2019 11:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.6	29.4
138	22.5	17.7	26.5

