

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
 Data File : BN006672.D
 Acq On : 01 Jul 2019 23:24
 Operator : HP/JU
 Sample : K3505-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-013-SW107-062019

Manual Integrations
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 7/2/2019 2:52:43 PM

Quant Time: Jul 02 05:49:27 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	4430	0.40	ng	0.00
7) Naphthalene-d8	10.39	136	17563	0.40	ng	-0.01
13) Acenaphthene-d10	14.27	164	9649	0.40	ng	-0.01
19) Phenanthrene-d10	17.03	188	19932	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	18716	0.40	ng	-0.02
34) Perylene-d12	23.48	264	20980	0.40	ng	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	5.24	112	3460	0.32	ng	0.00
5) Phenol-d6	6.82	99	4691	0.33	ng	0.00
8) Nitrobenzene-d5	8.79	82	3184	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	11.99	152	7089	0.26	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	1409	0.31	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	9504	0.27	ng	-0.01
25) Fluoranthene-d10	19.07	212	12787	0.22	ng	-0.01
29) Terphenyl-d14	19.68	244	8736	0.22	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.44	128	4291	0.093	ng	# 91
12) 2-Methylnaphthalene	12.07	142	2479	0.078	ng	# 94
16) Acenaphthylene	13.99	152	39782	0.865	ng	100
17) Acenaphthene	14.33	154	3671	0.121	ng	96
18) Fluorene	15.32	166	7681	0.201	ng	# 83
23) Phenanthrene	17.07	178	141552	2.498	ng	100
24) Anthracene	17.16	178	41877	0.852	ng	99
26) Fluoranthene	19.10	202	349568	5.075	ng	99
28) Pyrene	19.47	202	348041	5.314	ng	97
30) Benzo(a)anthracene	21.24	228	197128	3.222	ng	95
31) Chrysene	21.29	228	180305	2.733	ng	97
32) Bis(2-ethylhexyl)phthalate	21.16	149	4120790	133.803	ng	97
33) Indeno(1,2,3-cd)pyrene	25.71	276	114465	1.714	ng	97
35) Benzo(b)fluoranthene	22.82	252	232821	3.262	ng	99
36) Benzo(k)fluoranthene	22.86	252	84606m	1.112	ng	
37) Benzo(a)pyrene	23.38	252	171552	2.571	ng	99
38) Dibenzo(a,h)anthracene	25.71	278	31560	0.541	ng	# 84
39) Benzo(a,h,i)perylene	26.40	276	115187	1.980	ng	99

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

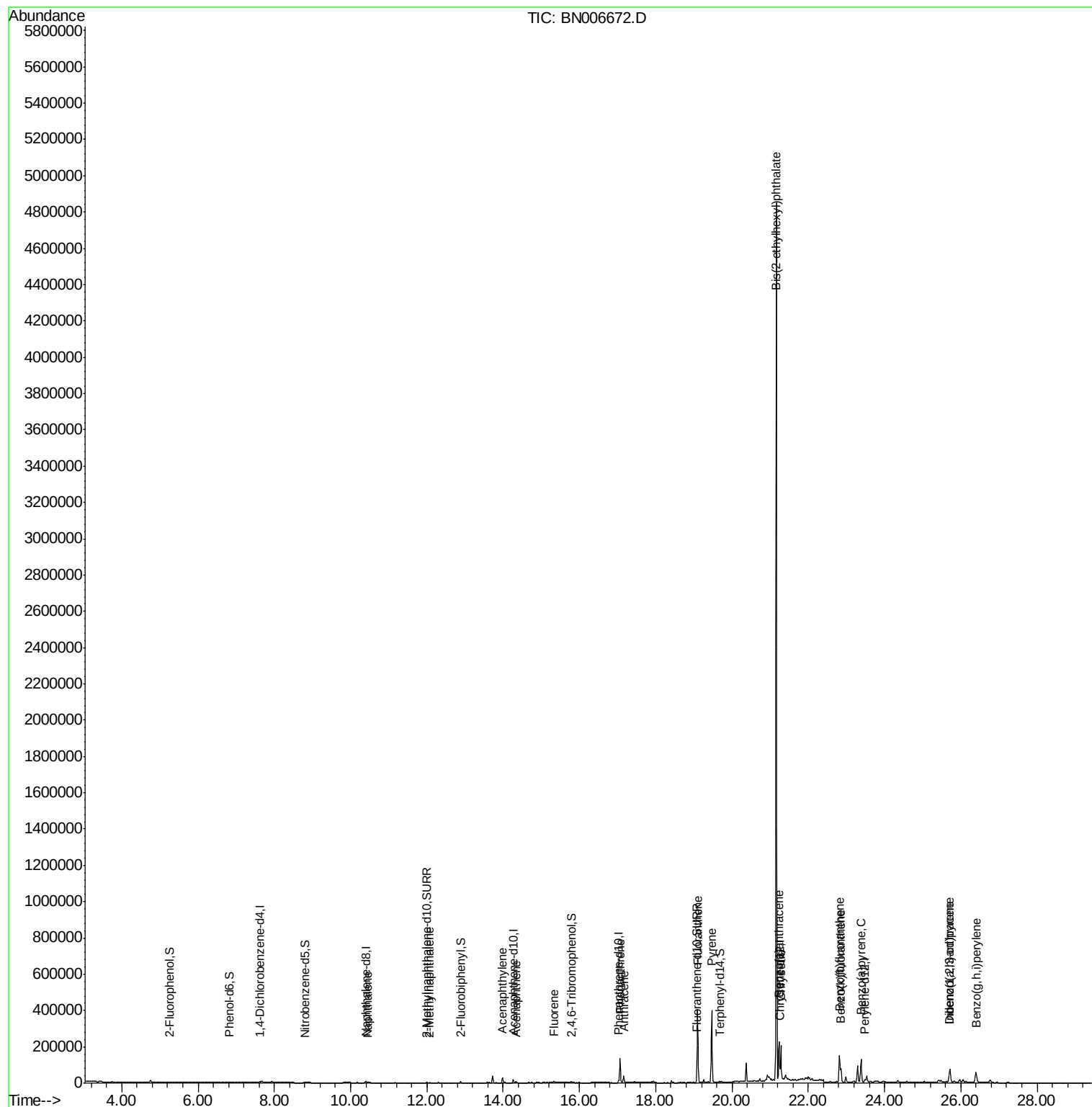
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
Data File : BN006672.D
Acq On : 01 Jul 2019 23:24
Operator : HP/JU
Sample : K3505-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

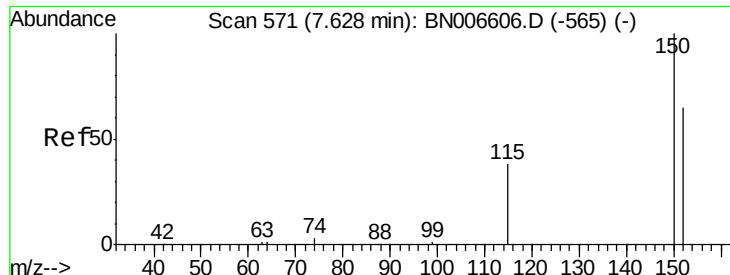
Instrument :
BNA_N
ClientSampleId :
PST-013-SW107-062019

Quant Time: Jul 02 05:49:27 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
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#1

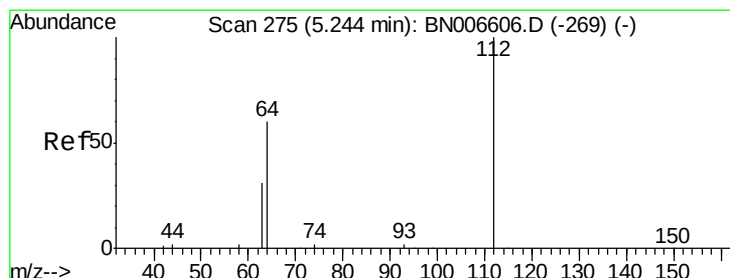
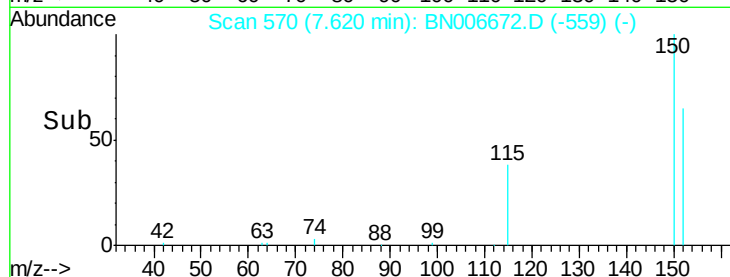
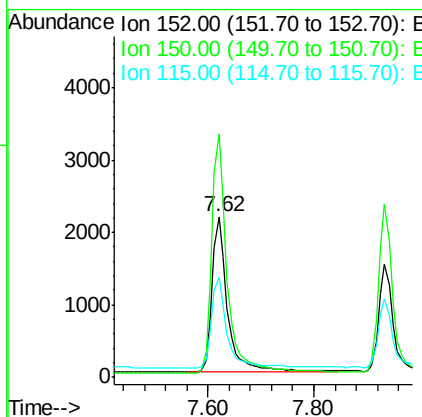
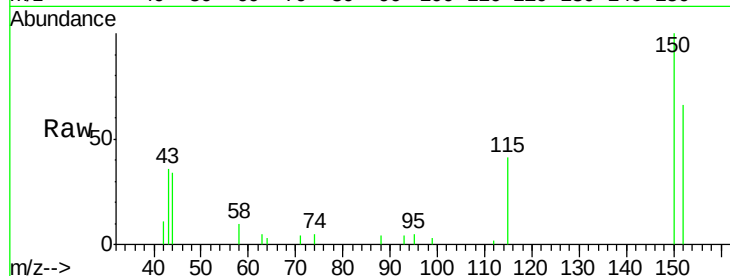
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Instrument :
BNA_N
ClientSampleId :
PST-013-SW107-062019

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	122.2	183.2
115	62.5	50.0	75.0

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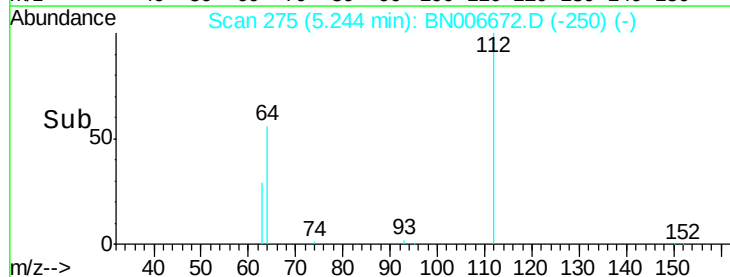
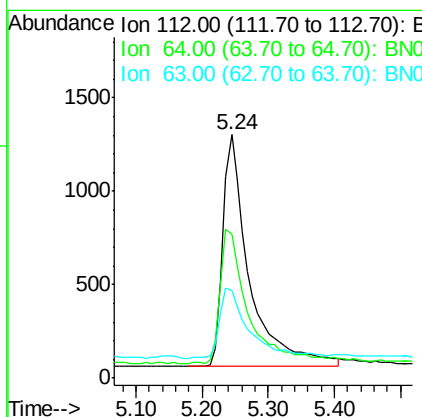
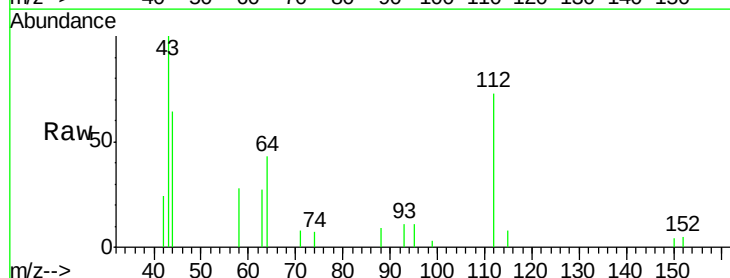
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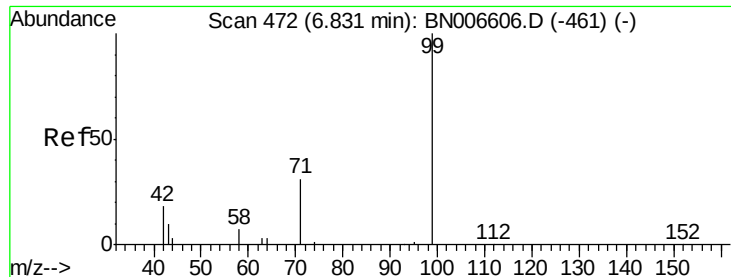


#4

2-Fluorophenol
Concen: 0.318 ng
RT: 5.24 min Scan# 275
Delta R.T. -0.00 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.1	48.9	73.3
63	34.2	24.3	36.5





#5

Phenol-d6

Concen: 0.326 ng

RT: 6.82 min Scan# 471

Delta R.T. -0.01 min

Lab File: BN006672.D

Acq: 01 Jul 2019 23:24

Instrument :

BNA_N

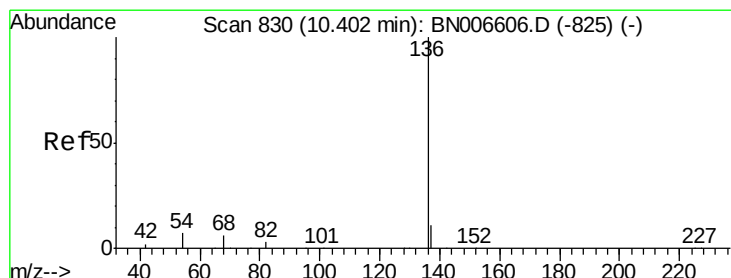
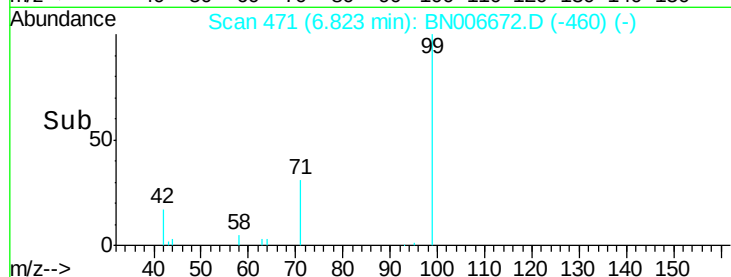
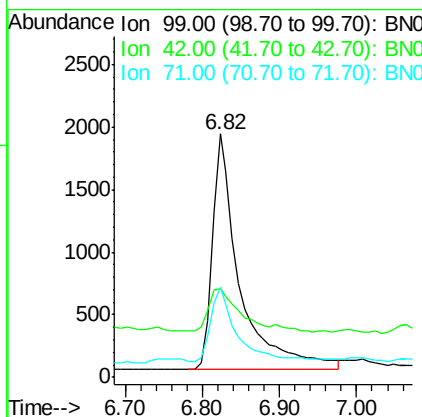
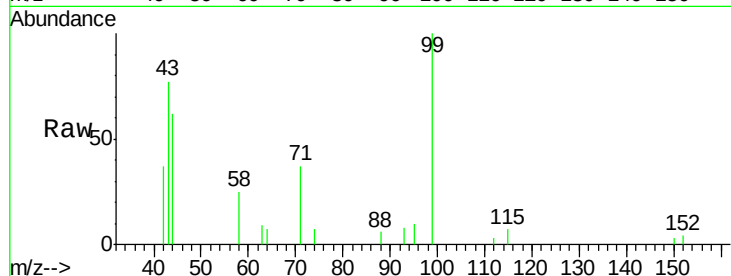
ClientSampleId :

PST-013-SW107-062019

Tot Ion:	99	Resp:	4691
Ion	Ratio	Lower	Upper
99	100		
42	19.1	16.4	24.6
71	29.8	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

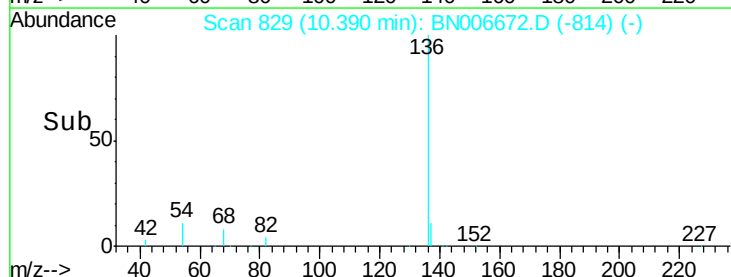
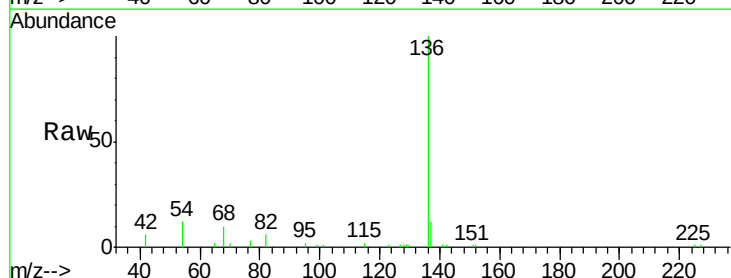
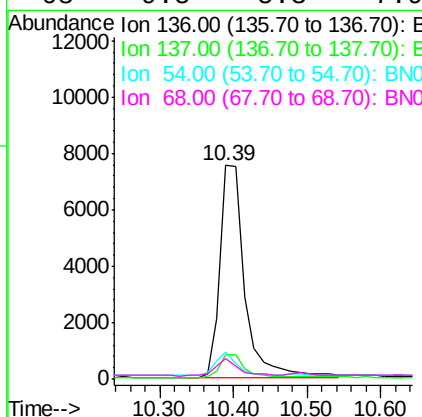
RT: 10.39 min Scan# 829

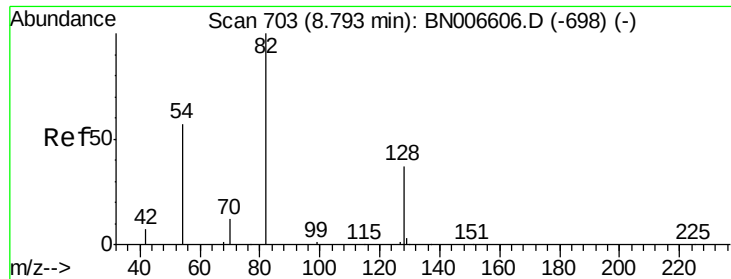
Delta R.T. -0.01 min

Lab File: BN006672.D

Acq: 01 Jul 2019 23:24

Tgt Ion:	136	Resp:	17563
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.3	13.9
54	12.4	6.7	10.1#
68	9.5	5.3	7.9#





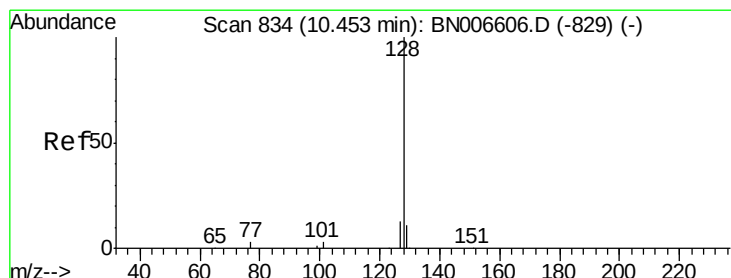
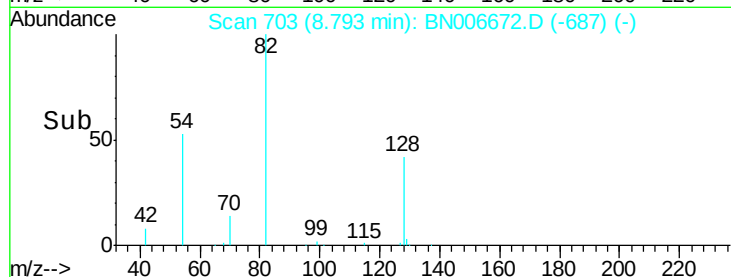
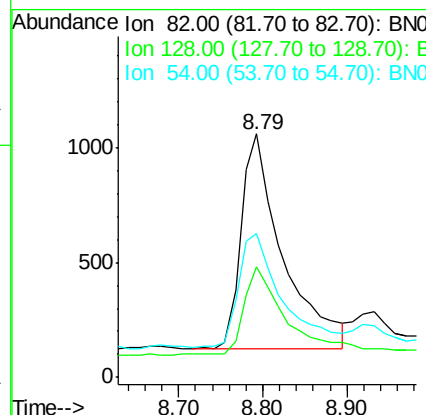
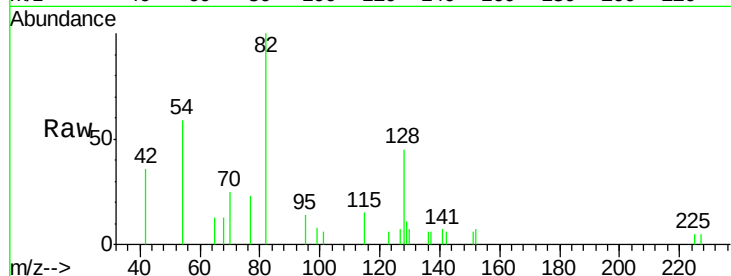
#8
Nitrobenzene-d5
Concen: 0.270 ng
RT: 8.79 min Scan# 703
Delta R.T. -0.00 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Instrument :
BNA_N
ClientSampleId :
PST-013-SW107-062019

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.4	32.6	49.0
54	58.8	48.2	72.4

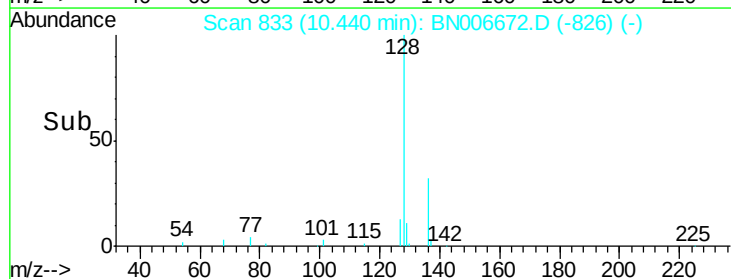
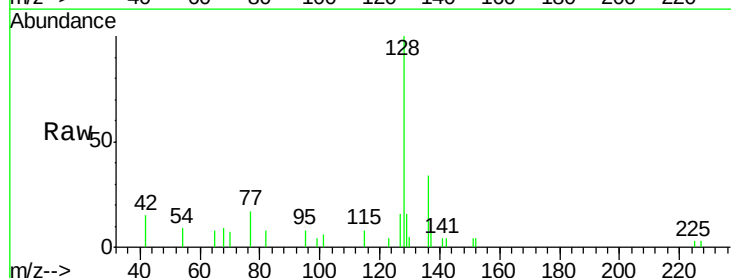
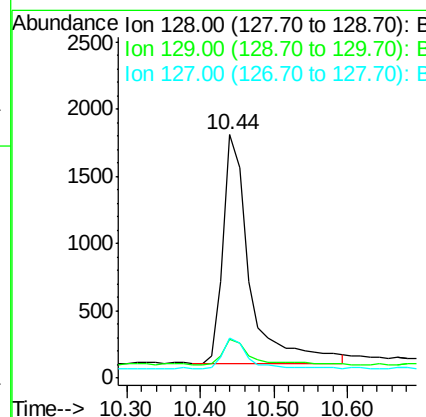
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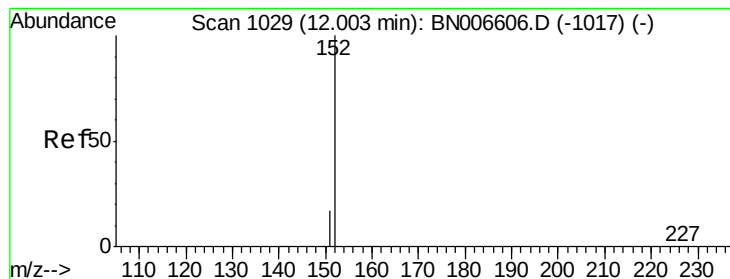
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#9
Naphthalene
Concen: 0.093 ng
RT: 10.44 min Scan# 833
Delta R.T. -0.01 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	16.1	9.3	13.9#
127	16.3	10.8	16.2#





#11

2-Methylnaphthalene-d10

Concen: 0.256 ng

RT: 11.99 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BN006672.D

Acq: 01 Jul 2019 23:24

Instrument :

BNA_N

ClientSampleId :

PST-013-SW107-062019

Tot Ion:152 Resp: 7089

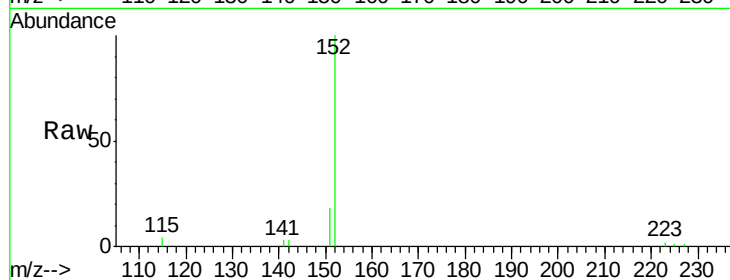
Ion Ratio Lower Upper

152 100

151 18.9 15.0 22.4

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

4000

3000

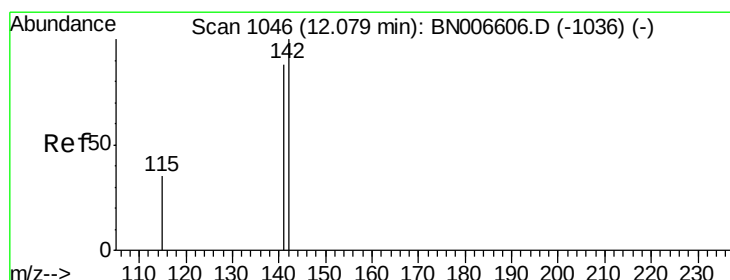
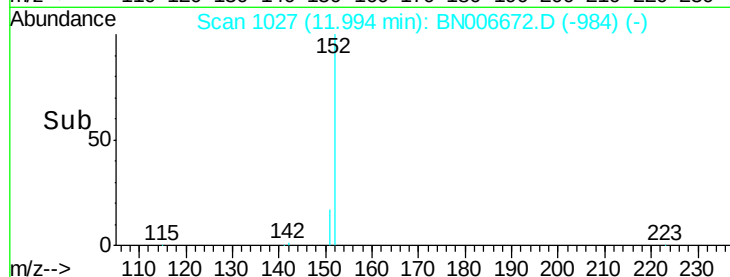
2000

1000

0

11.90 12.00 12.10

Time-->



#12

2-Methylnaphthalene

Concen: 0.078 ng

RT: 12.07 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BN006672.D

Acq: 01 Jul 2019 23:24

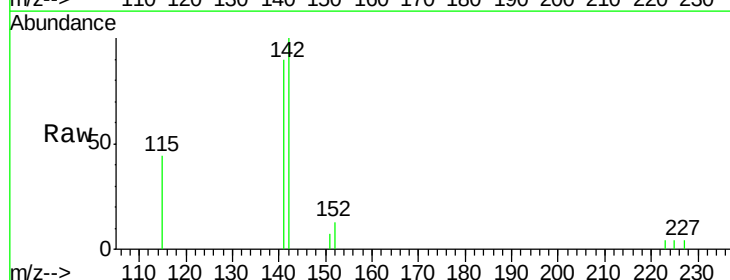
Tgt Ion:142 Resp: 2479

Ion Ratio Lower Upper

142 100

141 90.2 70.2 105.4

115 43.8 28.5 42.7#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

1500

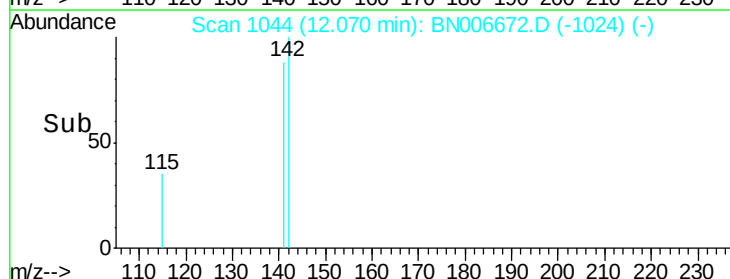
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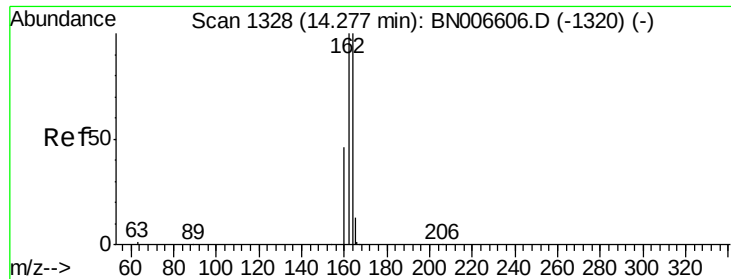
500

0

12.00 12.10 12.20

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.27 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BN006672.D

Acq: 01 Jul 2019 23:24

Instrument :

BNA_N

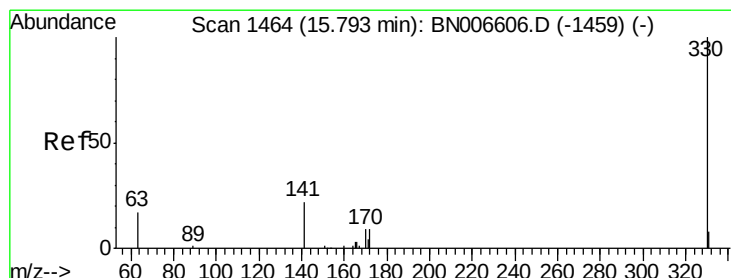
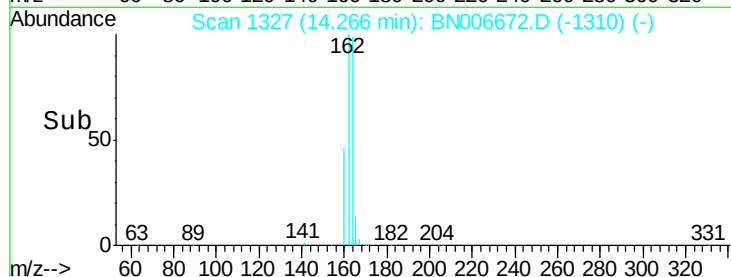
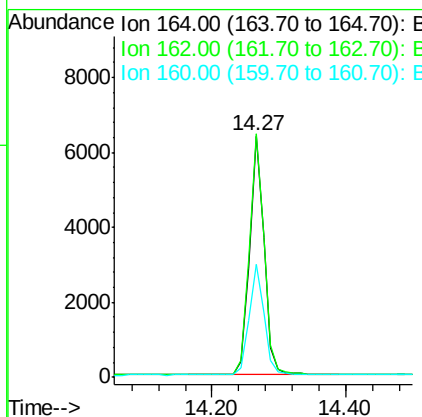
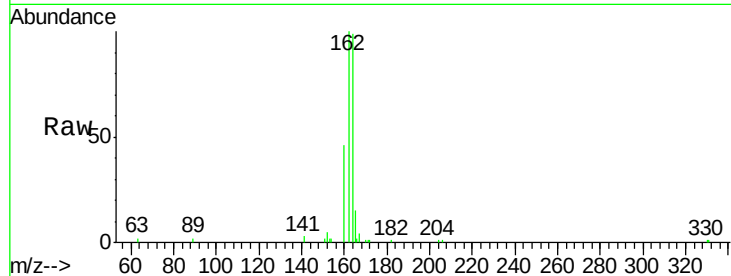
ClientSampleId :

PST-013-SW107-062019

Tot Ion:	164	Resp:	9649
Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.0	120.0
160	46.7	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.310 ng

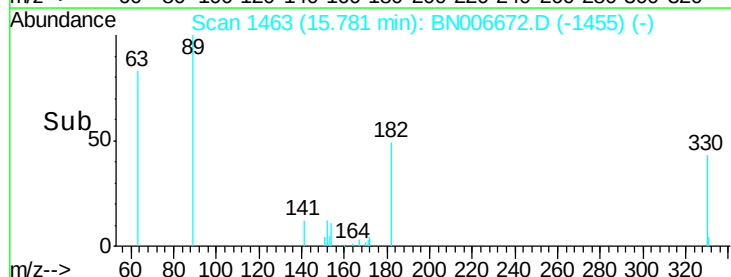
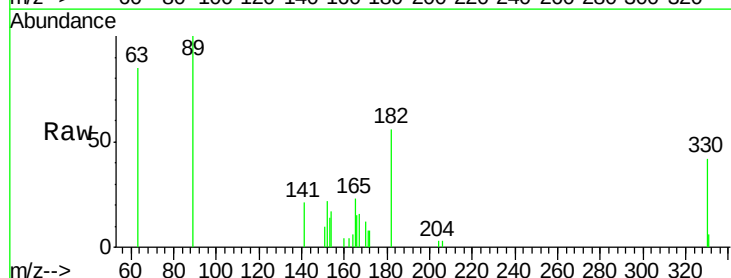
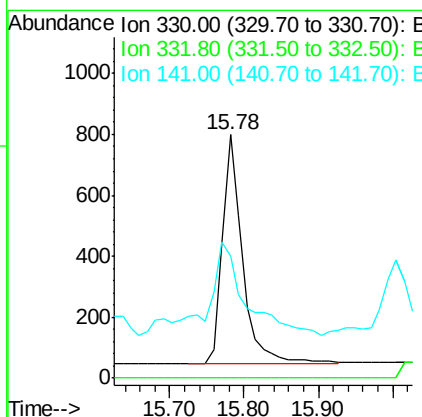
RT: 15.78 min Scan# 1463

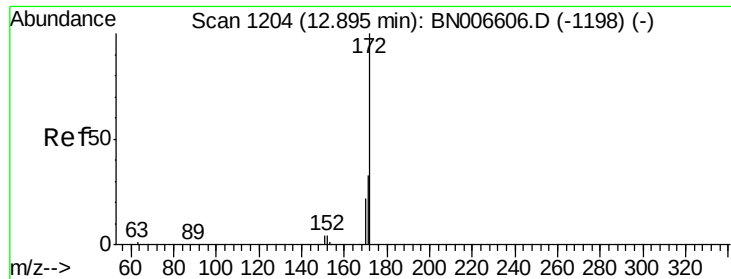
Delta R.T. -0.01 min

Lab File: BN006672.D

Acq: 01 Jul 2019 23:24

Tgt Ion:	330	Resp:	1409
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	71.0	26.5	39.7#





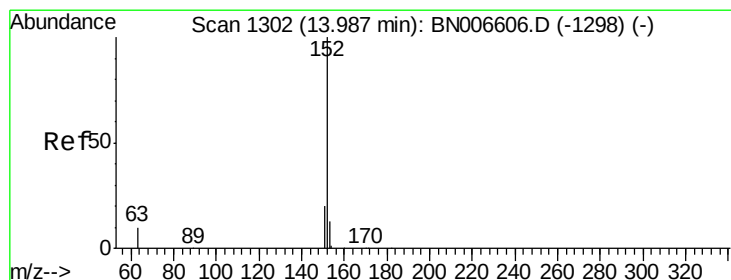
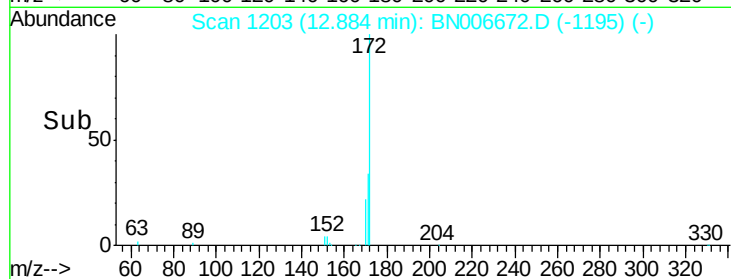
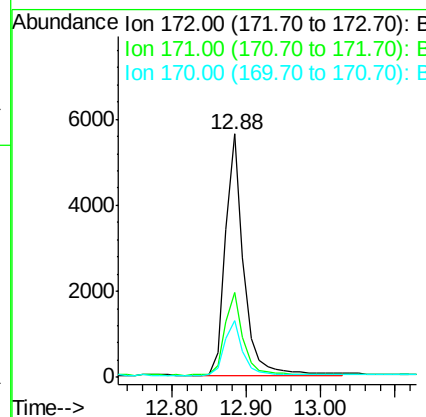
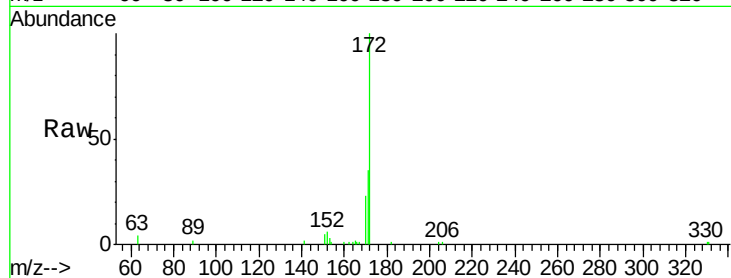
#15
2-Fluorobiphenyl
Concen: 0.266 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Instrument :
BNA_N
ClientSampleId :
PST-013-SW107-062019

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.0	40.4
170	23.1	17.7	26.5

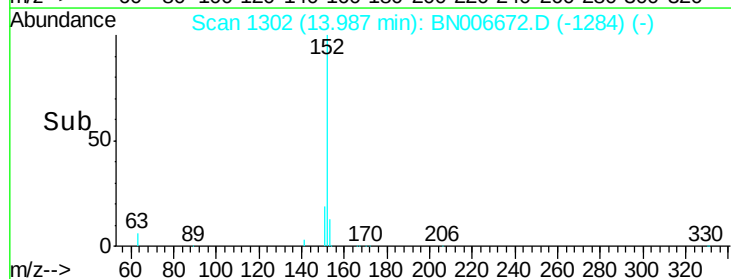
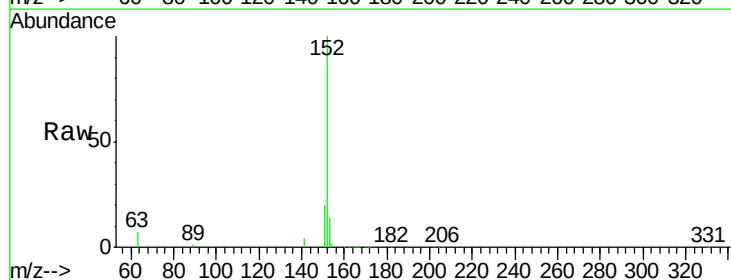
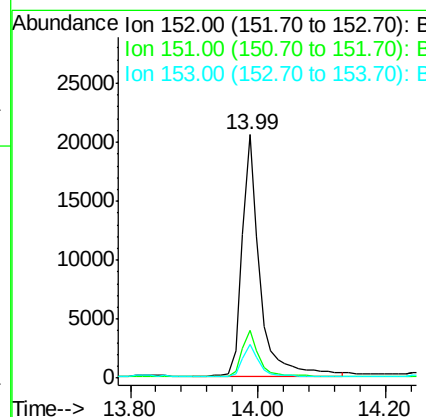
Manual Integrations
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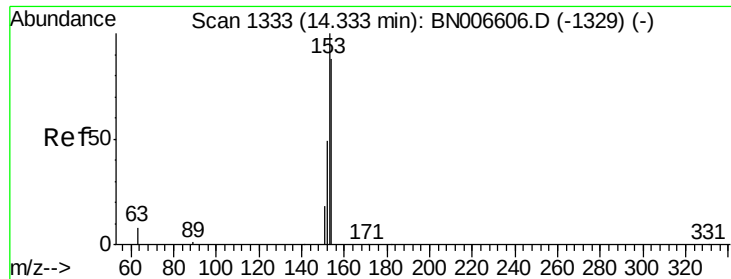
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#16
Acenaphthylene
Concen: 0.865 ng
RT: 13.99 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.6	23.4
153	13.2	10.5	15.7





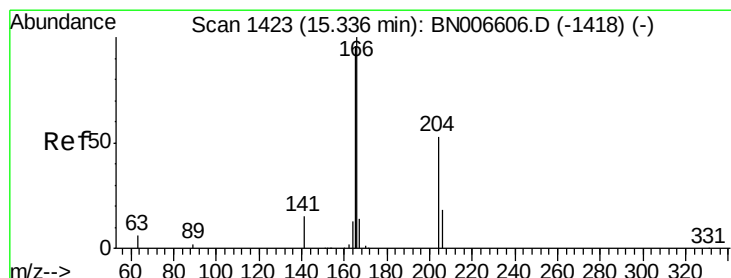
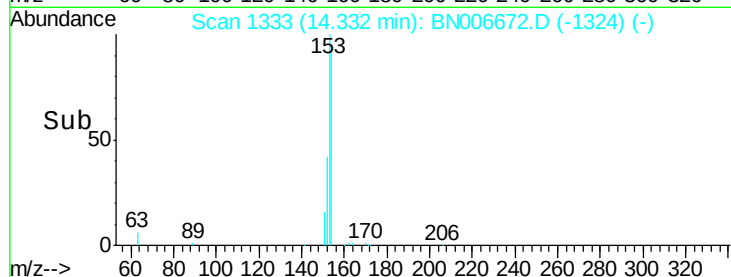
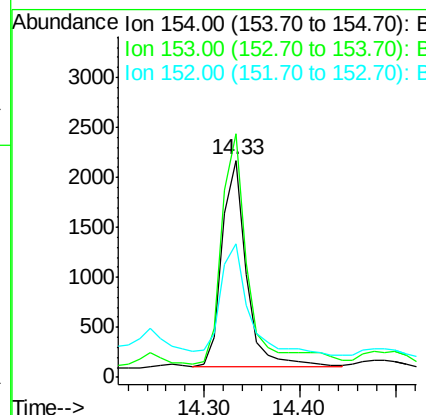
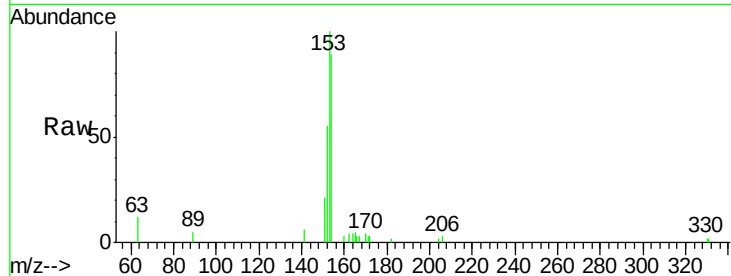
#17
Acenaphthene
Concen: 0.121 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Instrument :
BNA_N
ClientSampleId :
PST-013-SW107-062019

Tot Ion	Ratio	Lower	Upper
154	100		
153	111.5	90.2	135.4
152	62.1	44.2	66.4

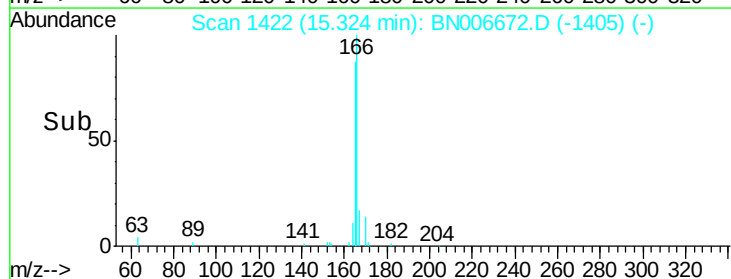
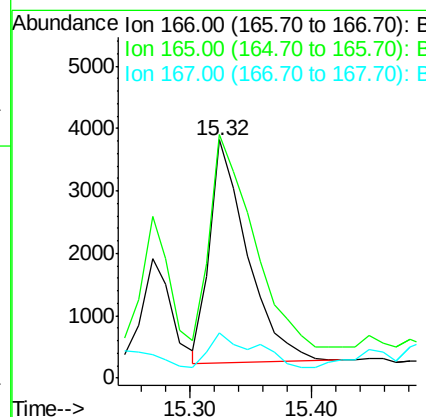
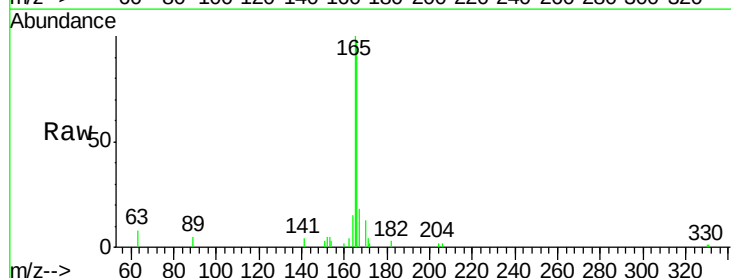
Manual Integrations
APPROVED

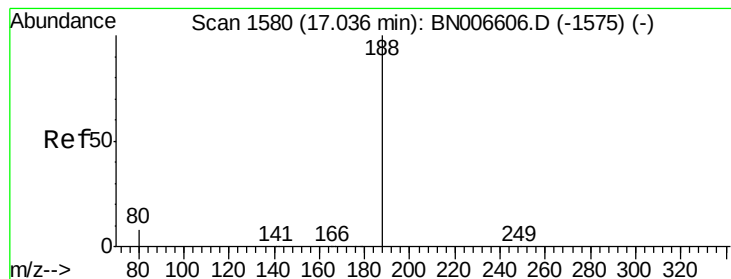
mohammad
7/2/2019 2:52:43 PM



#18
Fluorene
Concen: 0.201 ng
RT: 15.32 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	115.7	78.4	117.6
167	18.3	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: BN006672.D

Acq: 01 Jul 2019 23:24

Instrument :

BNA_N

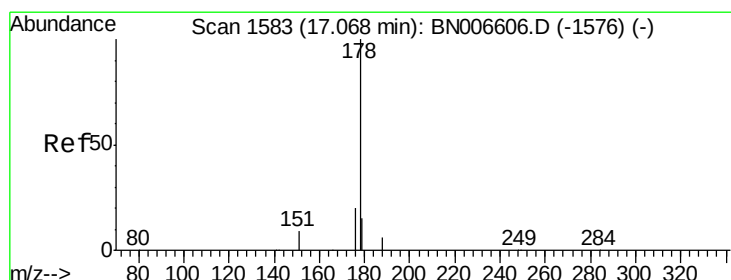
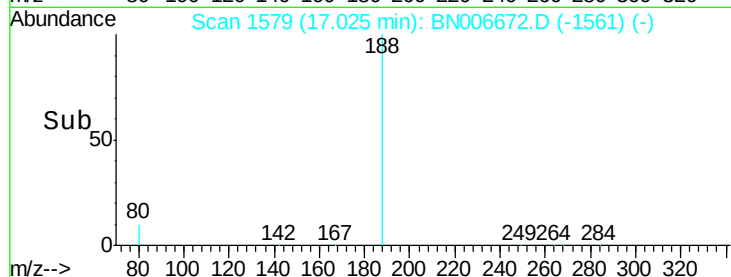
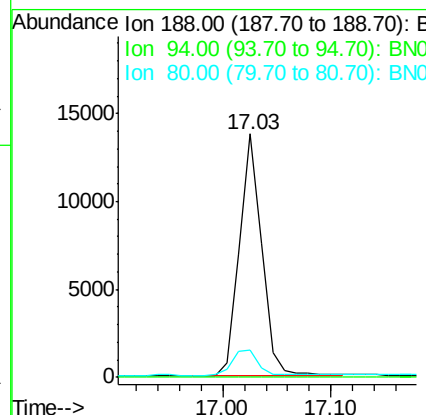
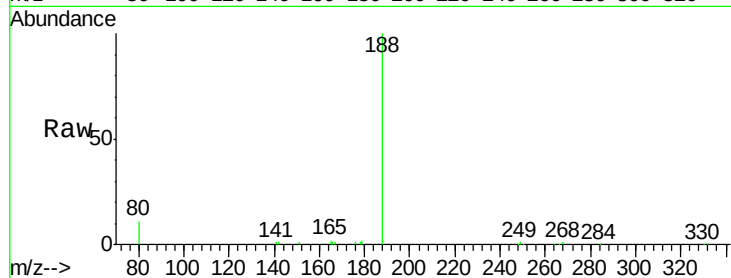
ClientSampleId :

PST-013-SW107-062019

Tot Ion:	188	Resp:	19932
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	11.4	7.1	10.7#

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#23

Phenanthrene

Concen: 2.498 ng

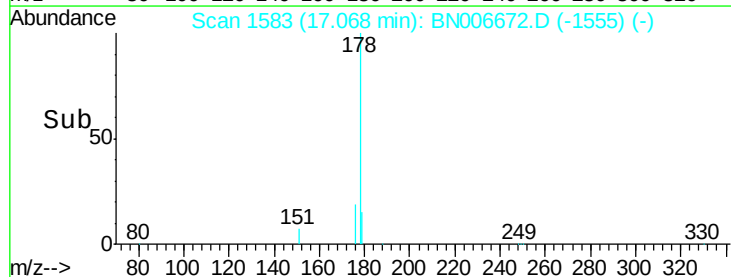
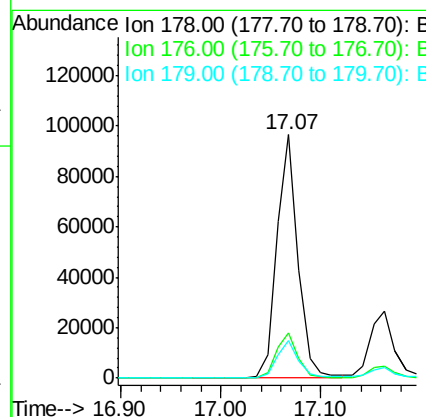
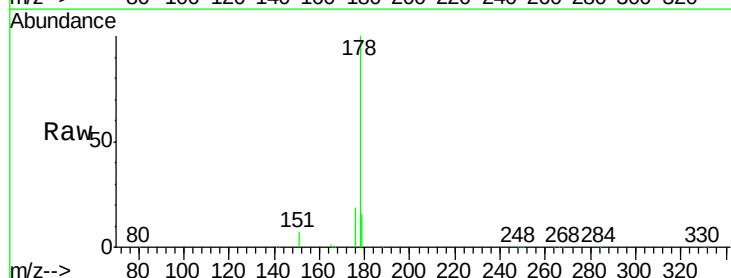
RT: 17.07 min Scan# 1583

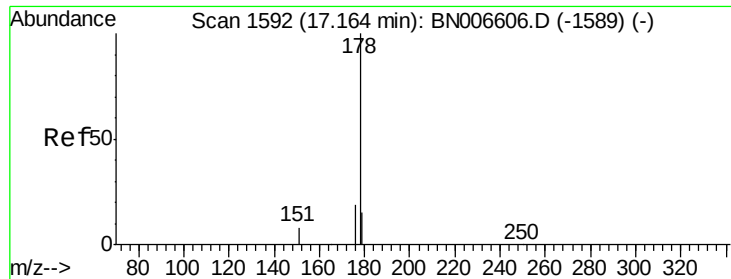
Delta R.T. -0.00 min

Lab File: BN006672.D

Acq: 01 Jul 2019 23:24

Tgt Ion:	178	Resp:	141552
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.3	22.9
179	15.5	12.2	18.4





#24

Anthracene

Concen: 0.852 ng

RT: 17.16 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BN006672.D

Acq: 01 Jul 2019 23:24

Instrument :

BNA_N

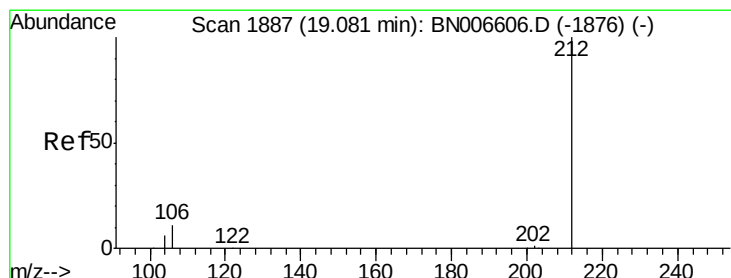
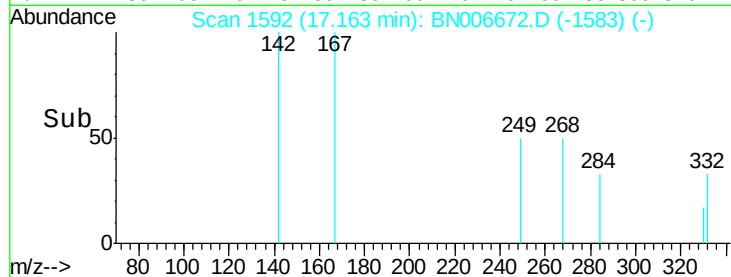
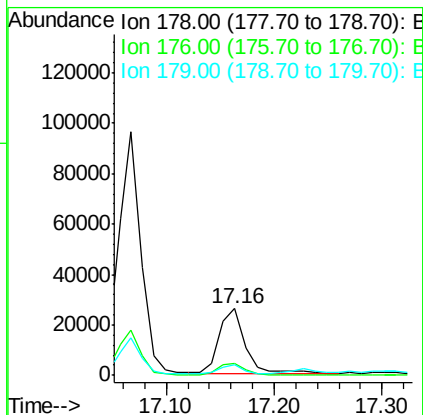
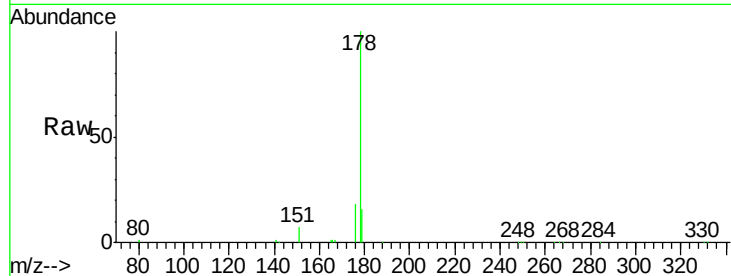
ClientSampleId :

PST-013-SW107-062019

Tot Ion:178	Resp:	41877
Ion Ratio	Lower	Upper
178	100	
176	18.8	15.0 22.4
179	14.4	12.2 18.2

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#25

Fluoranthene-d10

Concen: 0.218 ng

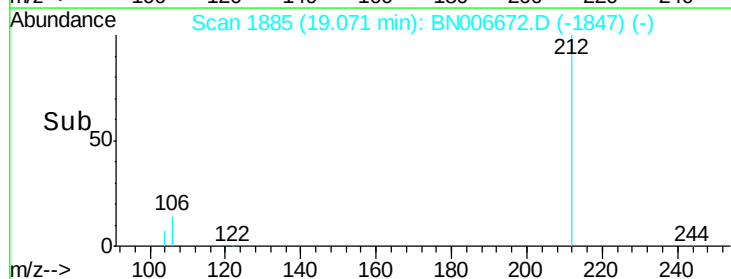
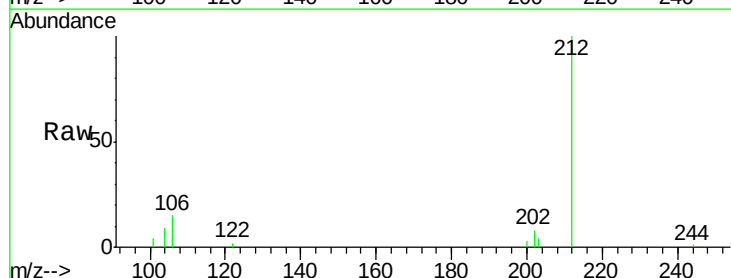
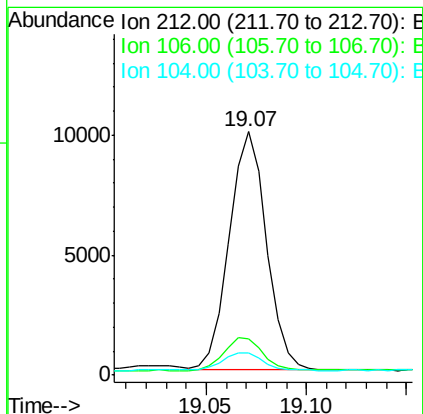
RT: 19.07 min Scan# 1885

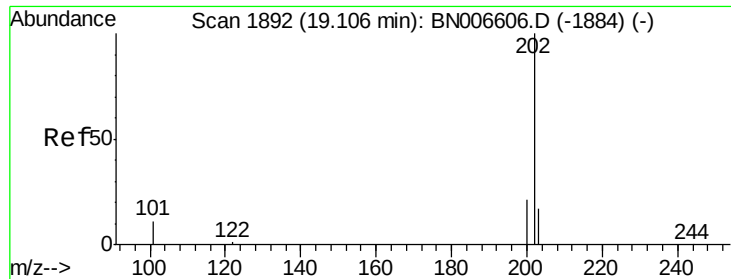
Delta R.T. -0.01 min

Lab File: BN006672.D

Acq: 01 Jul 2019 23:24

Tgt Ion:212	Resp:	12787
Ion Ratio	Lower	Upper
212	100	
106	14.9	10.6 15.8
104	8.3	5.8 8.6





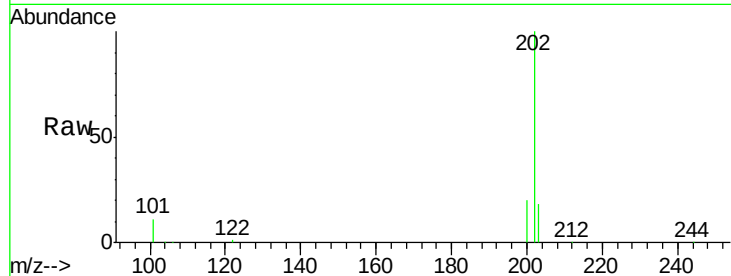
#26
Fluoranthene
Concen: 5.075 ng
RT: 19.10 min Scan# 1891
Delta R.T. -0.01 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Instrument :
BNA_N
ClientSampleId :
PST-013-SW107-062019

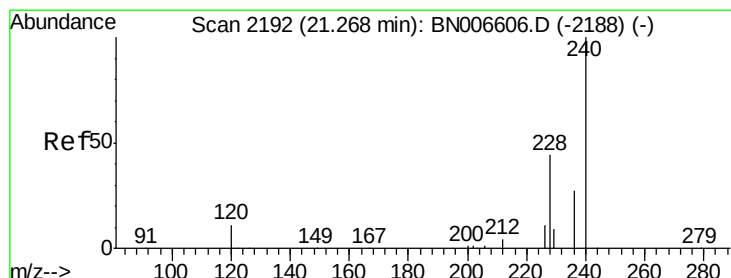
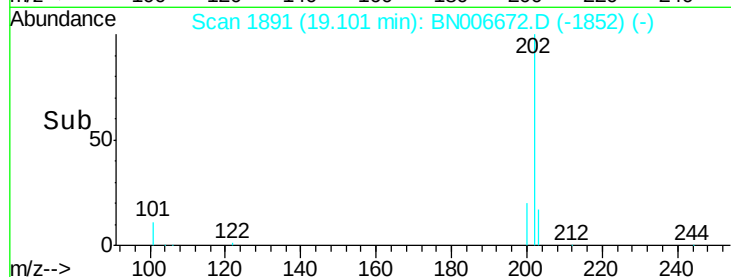
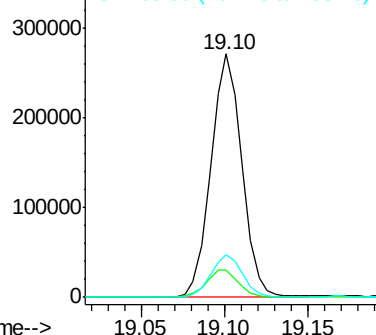
Tot Ion	Ratio	Resp	Lower	Upper
202	100	349568		
101	11.5	8.9	13.3	
203	17.6	13.6	20.4	

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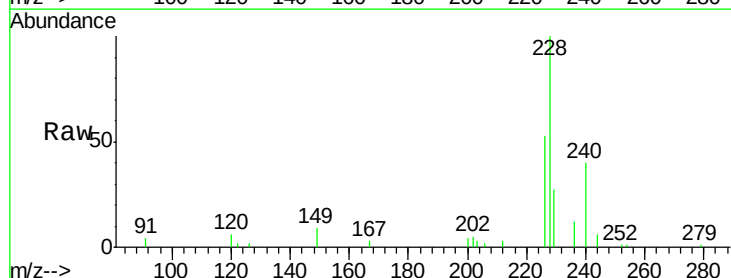


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

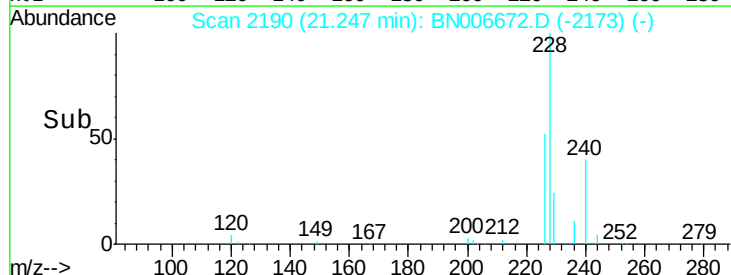
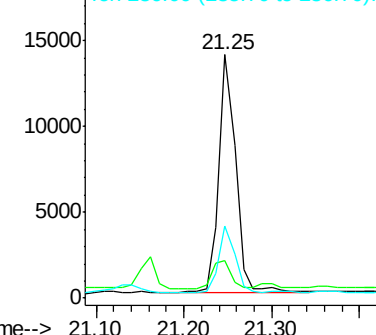


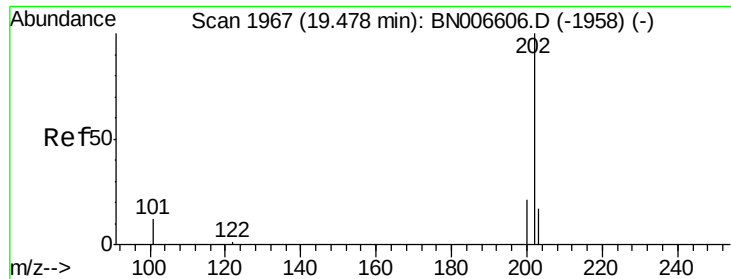
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	18716		
120	15.2	9.9	14.9#	
236	29.5	22.2	33.4	



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





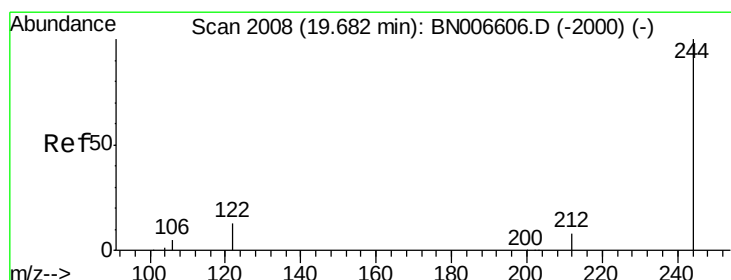
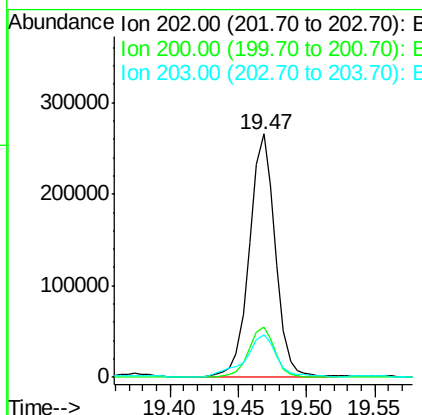
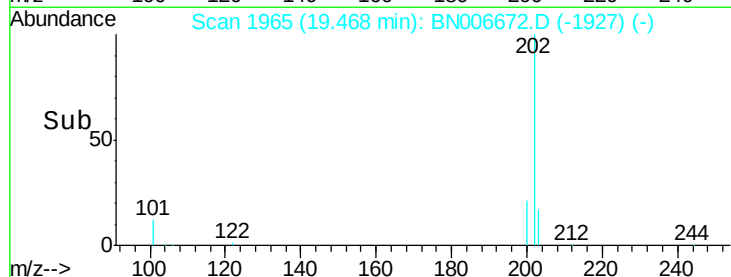
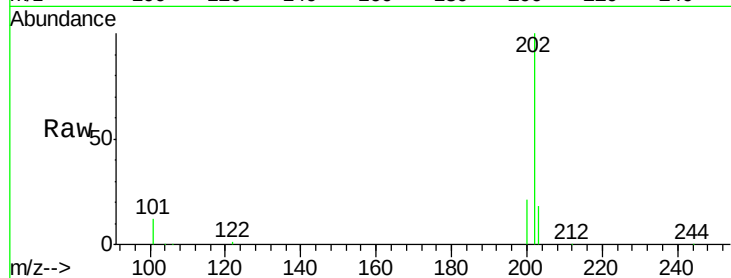
#28
Pvrene
Concen: 5.314 ng
RT: 19.47 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Instrument :
BNA_N
ClientSampleId :
PST-013-SW107-062019

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.9	16.7	25.1	
203	20.9	14.1	21.1	

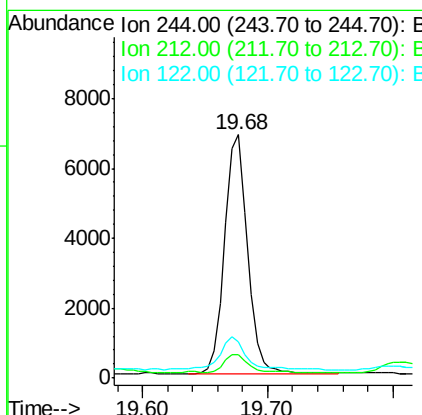
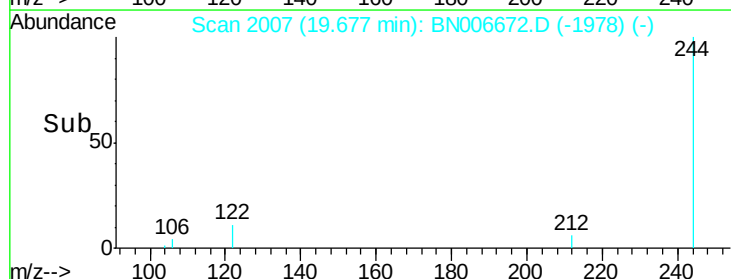
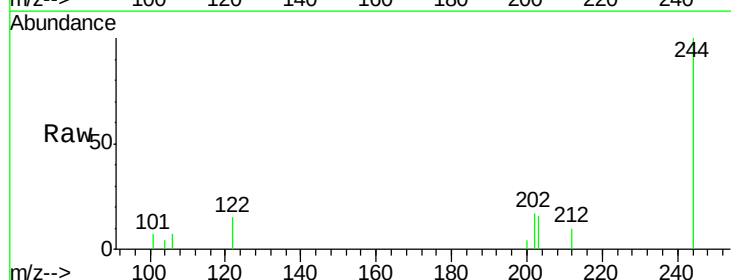
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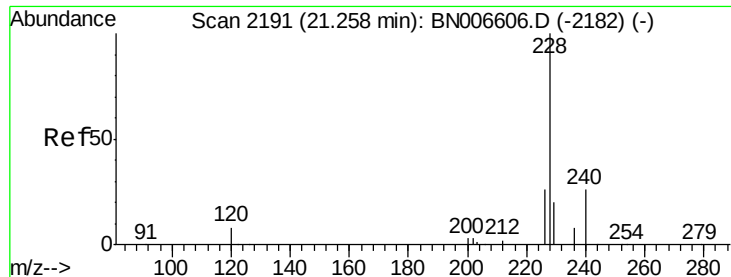
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#29
Terphenyl-d14
Concen: 0.223 ng
RT: 19.68 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	9.7	6.7	10.1	
122	14.7	11.0	16.6	





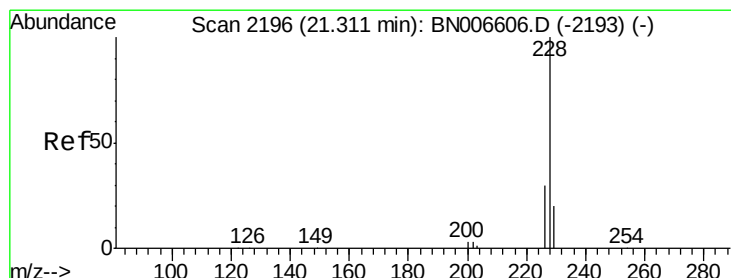
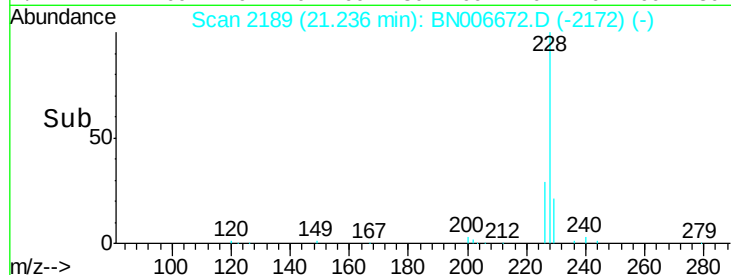
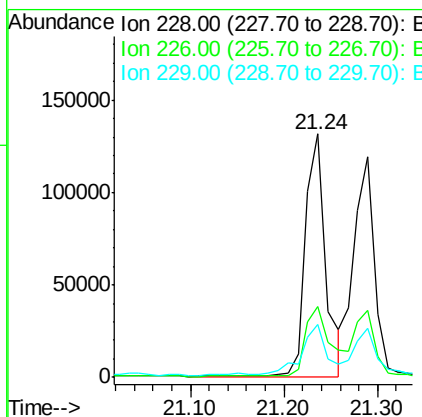
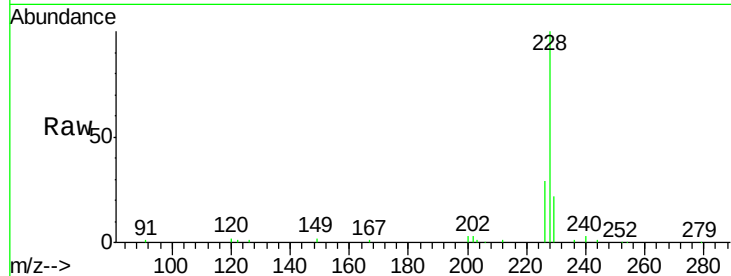
#30
Benzo(a)anthracene
Concen: 3.222 ng
RT: 21.24 min Scan# 2189
Delta R.T. -0.02 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Instrument :
BNA_N
ClientSampleId :
PST-013-SW107-062019

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.2	31.8
229	21.9	16.1	24.1

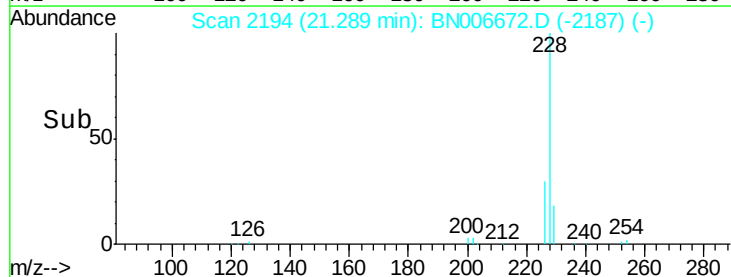
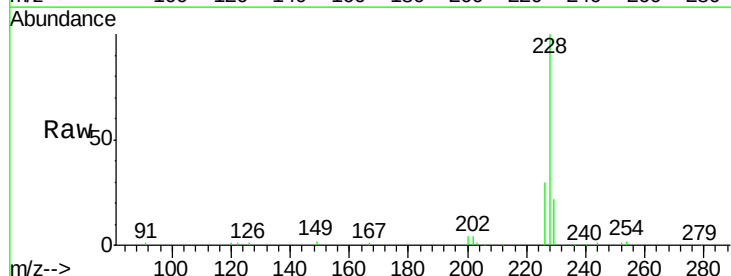
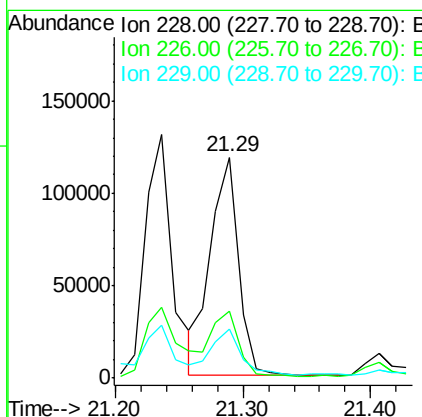
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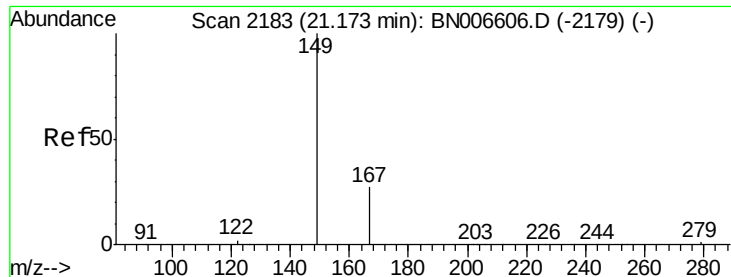
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#31
Chrysene
Concen: 2.733 ng
RT: 21.29 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.6
229	22.3	15.9	23.9





#32

Bis(2-ethylhexyl)phthalate

Concen: 133.803 ng

RT: 21.16 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BN006672.D

Acq: 01 Jul 2019 23:24

Instrument :

BNA_N

ClientSampleId :

PST-013-SW107-062019

Tot Ion:149 Resp: 4120790

Ion Ratio Lower Upper

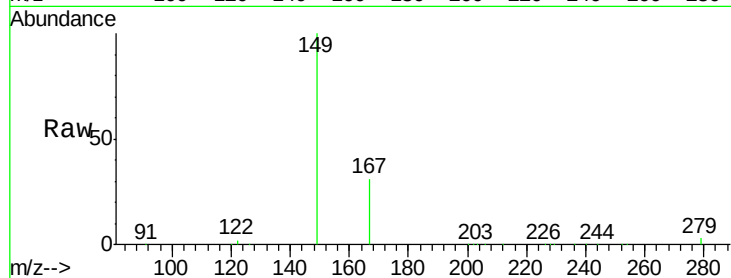
149 100

167 30.4 22.9 34.3

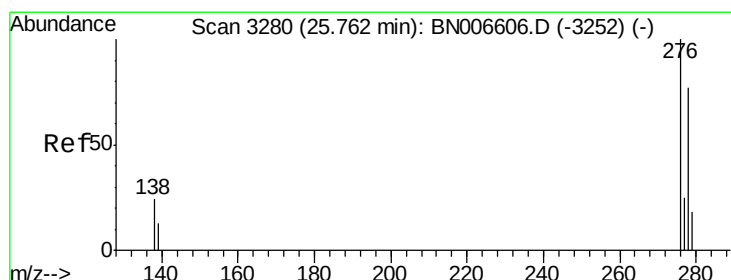
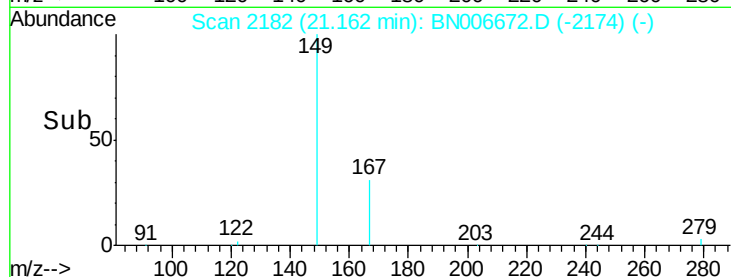
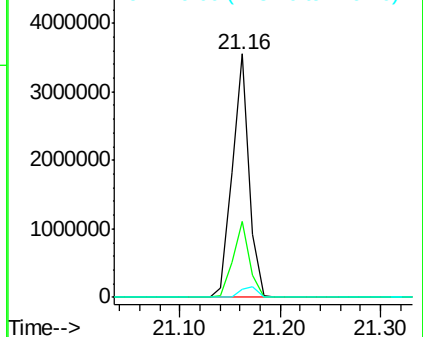
279 4.5 3.3 4.9

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 1.714 ng

RT: 25.71 min Scan# 3266

Delta R.T. -0.05 min

Lab File: BN006672.D

Acq: 01 Jul 2019 23:24

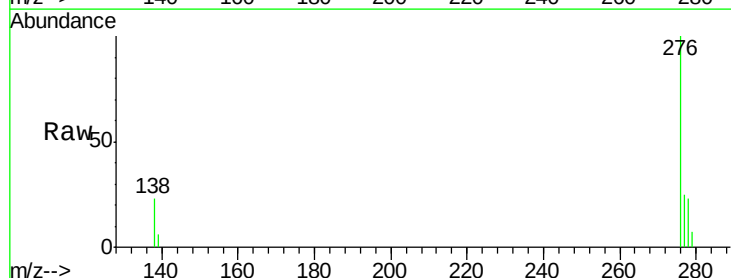
Tgt Ion:276 Resp: 114465

Ion Ratio Lower Upper

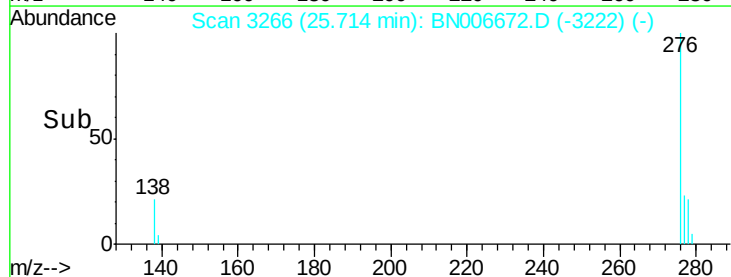
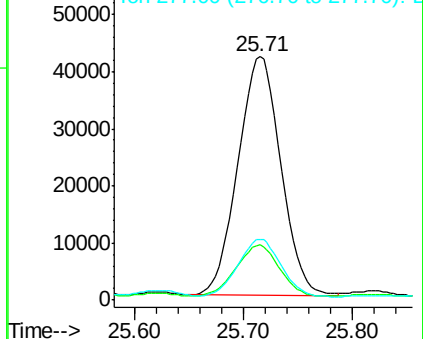
276 100

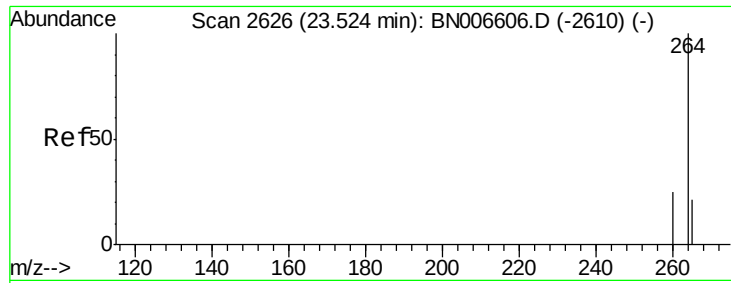
138 21.7 19.3 28.9

277 24.2 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





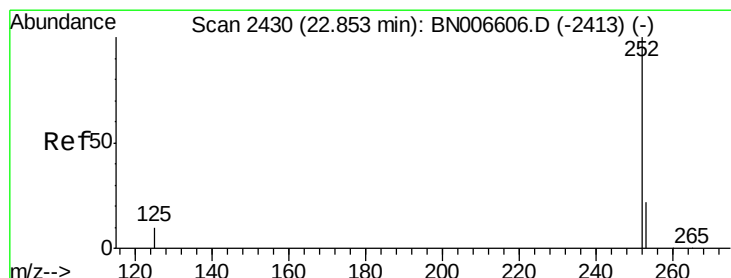
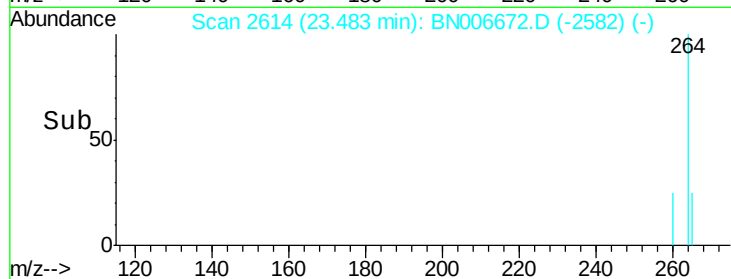
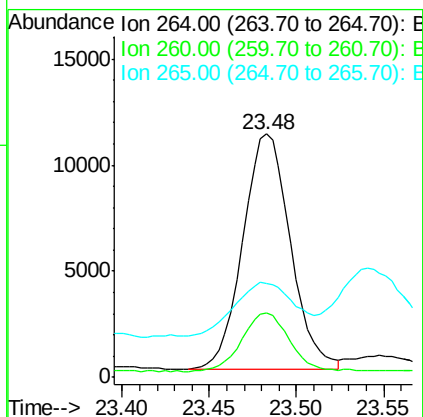
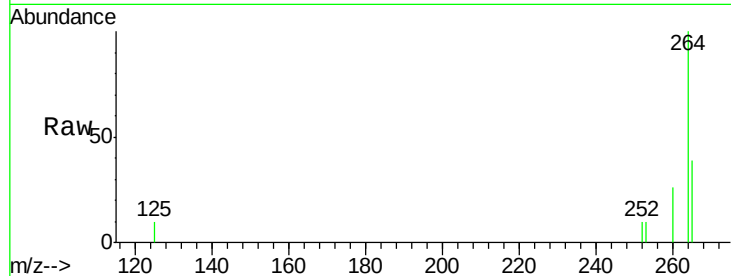
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.48 min Scan# 2614
Delta R.T. -0.04 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Instrument :
BNA_N
ClientSampleId :
PST-013-SW107-062019

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.2	30.2
265	38.5	23.3	34.9

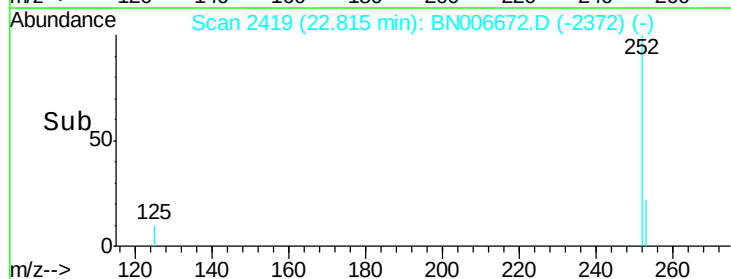
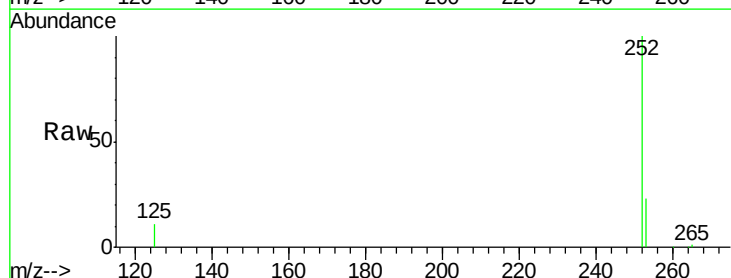
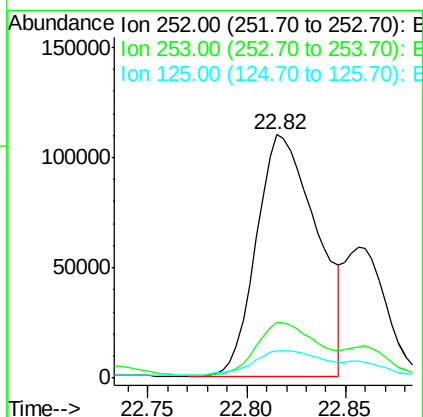
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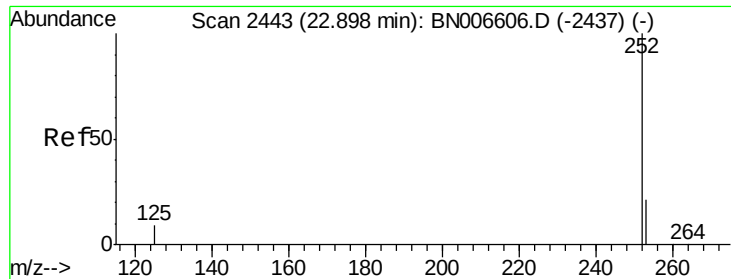
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#35
Benzo(b)fluoranthene
Concen: 3.262 ng
RT: 22.82 min Scan# 2419
Delta R.T. -0.04 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	11.3	8.7	13.1





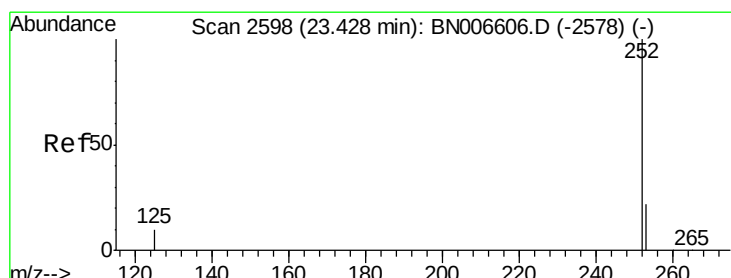
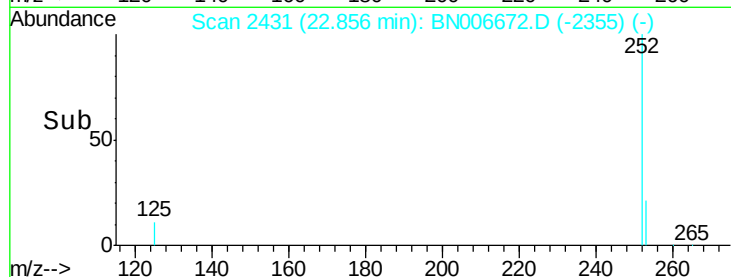
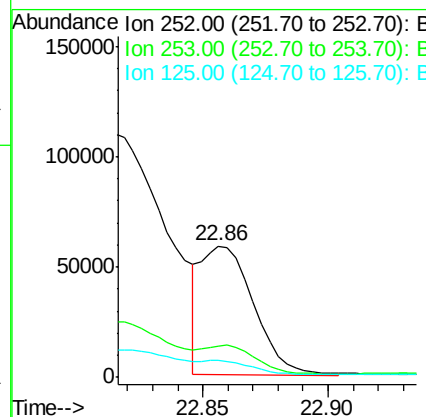
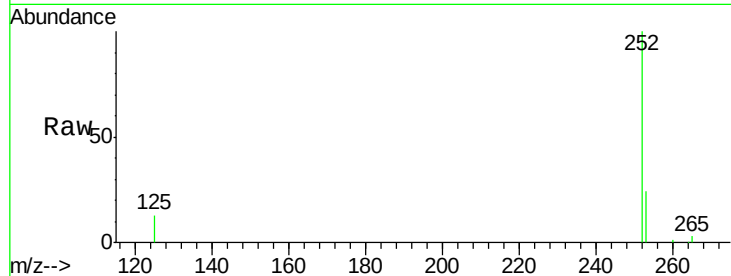
#36
Benzo(k)fluoranthene
Concen: 1.112 ng m
RT: 22.86 min Scan# 2431
Delta R.T. -0.04 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Instrument :
BNA_N
ClientSampleId :
PST-013-SW107-062019

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.3	27.5
125	12.7	8.4	12.6

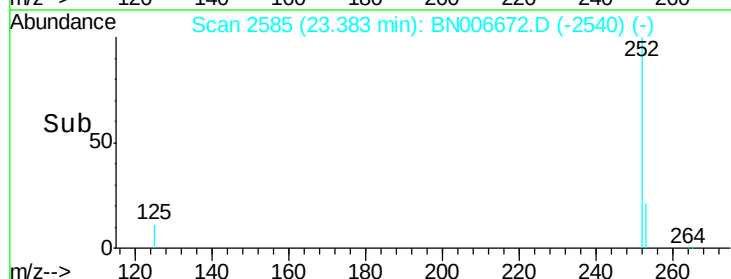
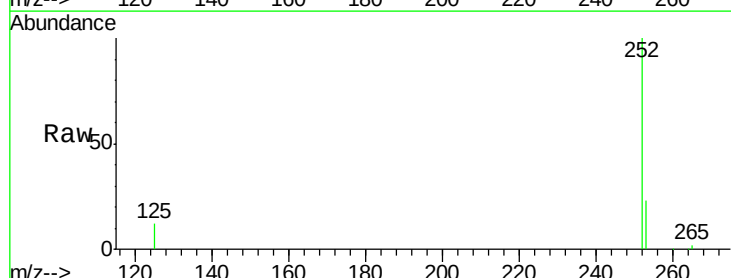
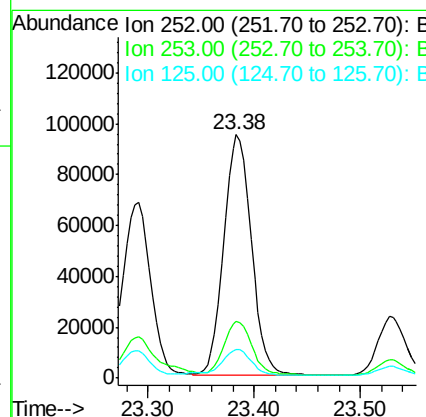
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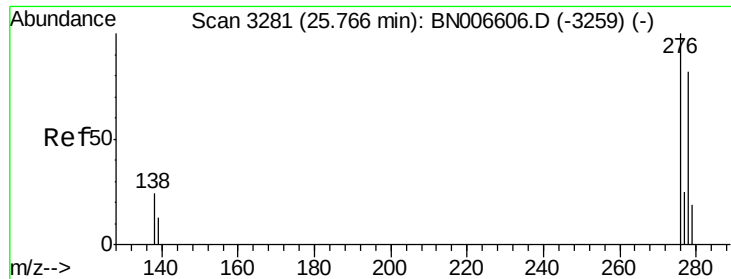
mohammad
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#37
Benzo(a)pyrene
Concen: 2.571 ng
RT: 23.38 min Scan# 2585
Delta R.T. -0.04 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.8	28.2
125	12.0	9.4	14.2





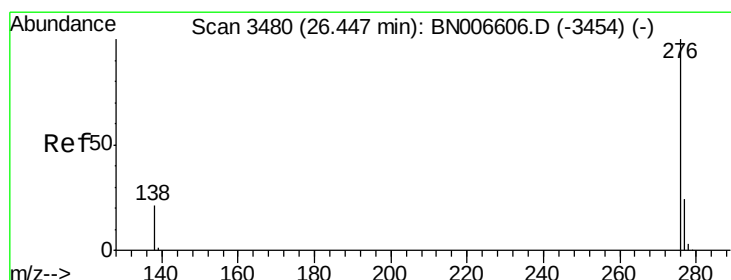
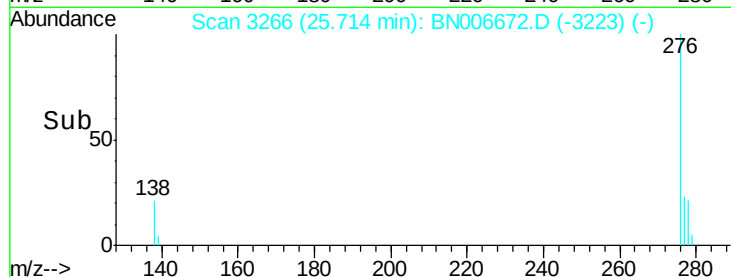
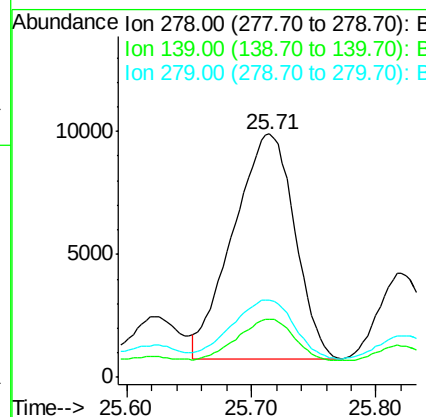
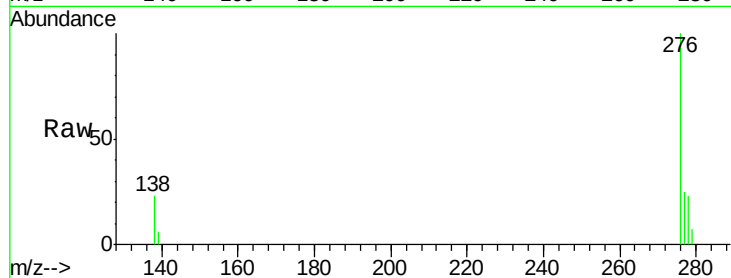
#38
Dibenzo(a,h)anthracene
Concen: 0.541 ng
RT: 25.71 min Scan# 3266
Delta R.T. -0.05 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Instrument :
BNA_N
ClientSampleId :
PST-013-SW107-062019

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.9	13.5	20.3#
279	31.8	19.4	29.2#

Manual Integrations
APPROVED

mohammad
7/2/2019 2:52:43 PM



#39
Benzo(g,h,i)perylene
Concen: 1.980 ng
RT: 26.40 min Scan# 3466
Delta R.T. -0.05 min
Lab File: BN006672.D
Acq: 01 Jul 2019 23:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.6	29.4
138	23.0	17.7	26.5

