

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
 Data File : BN006685.D
 Acq On : 02 Jul 2019 06:53
 Operator : HP/JU
 Sample : K3446-11 10X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-SW124-061819

Manual Integrations
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Quant Time: Jul 02 07:51:42 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	4751	0.40	ng	0.00
7) Naphthalene-d8	10.39	136	19852	0.40	ng	-0.01
13) Acenaphthene-d10	14.27	164	10915	0.40	ng	-0.01
19) Phenanthrene-d10	17.03	188	23382	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	21206	0.40	ng	-0.02
34) Perylene-d12	23.49	264	24081	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.25	112	259	0.02	ng	0.00
5) Phenol-d6	6.84	99	315	0.02	ng	0.00
8) Nitrobenzene-d5	8.81	82	249	0.02	ng	0.01
11) 2-Methylnaphthalene-d10	11.99	152	879	0.03	ng	0.00
14) 2,4,6-Tribromophenol	15.79	330	116	0.02	ng	0.00
15) 2-Fluorobiphenyl	12.88	172	923	0.02	ng	-0.01
25) Fluoranthene-d10	19.07	212	1941	0.03	ng	0.00
29) Terphenyl-d14	19.68	244	1248	0.03	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.44	128	40192	0.771	ng	99
12) 2-Methylnaphthalene	12.07	142	13037	0.362	ng	99
16) Acenaphthylene	13.99	152	18160	0.349	ng	99
17) Acenaphthene	14.33	154	21850	0.637	ng	100
18) Fluorene	15.32	166	24111	0.557	ng	98
23) Phenanthrene	17.07	178	424654	6.387	ng	100
24) Anthracene	17.16	178	48379	0.839	ng	# 82
26) Fluoranthene	19.10	202	415542	5.143	ng	99
28) Pyrene	19.47	202	350504	4.724	ng	# 96
30) Benzo(a)anthracene	21.24	228	151798	2.189	ng	98
31) Chrysene	21.29	228	153373	2.052	ng	97
32) Bis(2-ethylhexyl)phthalate	21.16	149	72390	2.075	ng	100
33) Indeno(1,2,3-cd)pyrene	25.72	276	80584	1.065	ng	97
35) Benzo(b)fluoranthene	22.82	252	175549	2.143	ng	98
36) Benzo(k)fluoranthene	22.86	252	67286m	0.771	ng	
37) Benzo(a)pyrene	23.39	252	132899	1.736	ng	99
38) Dibenzo(a,h)anthracene	25.72	278	21261	0.318	ng	# 80
39) Benzo(a,h,i)perylene	26.40	276	75604	1.132	ng	98

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

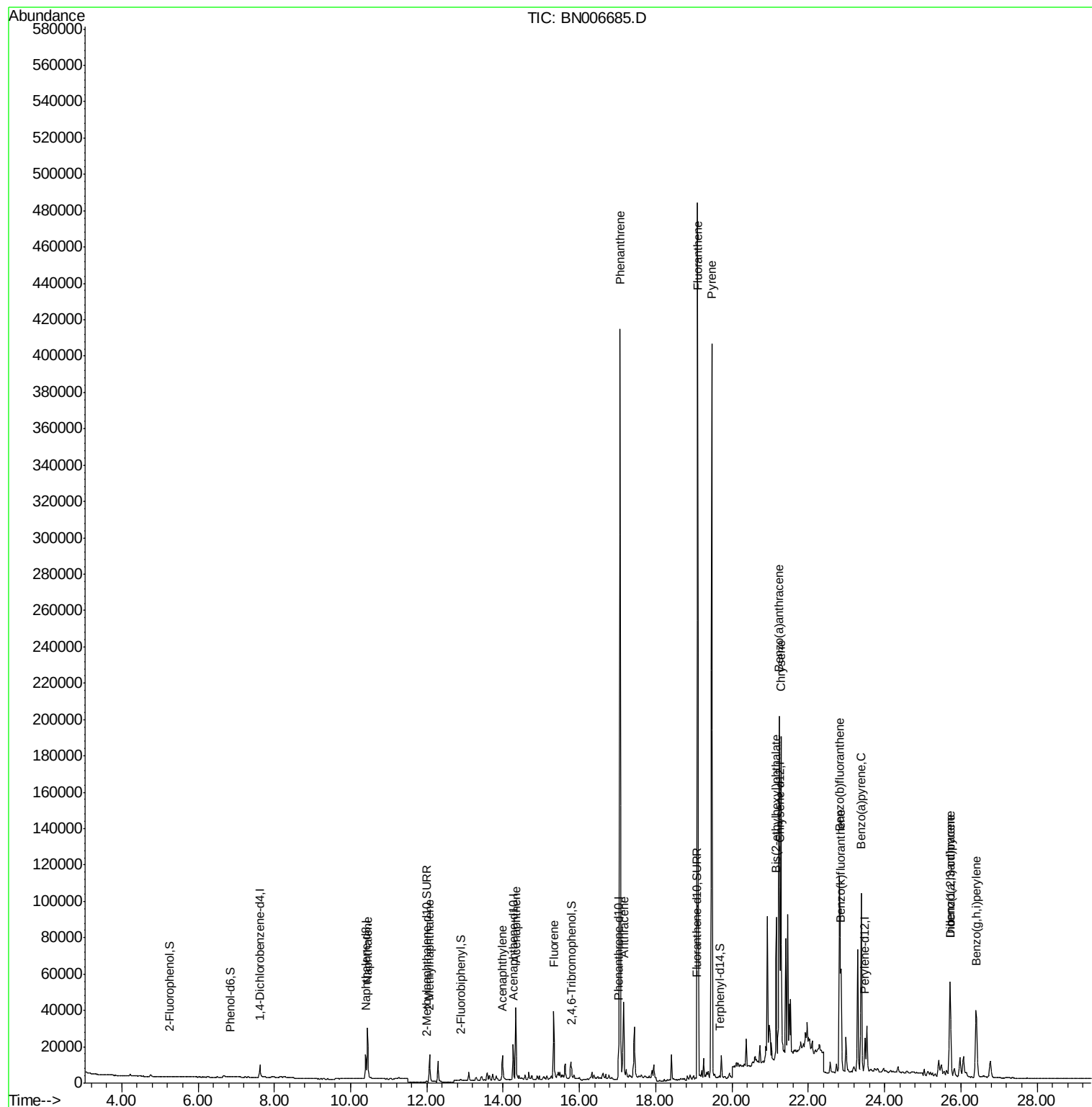
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
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Operator : HP/JU
Sample : K3446-11 10X
Misc :
ALS Vial : 33 Sample Multiplier: 1

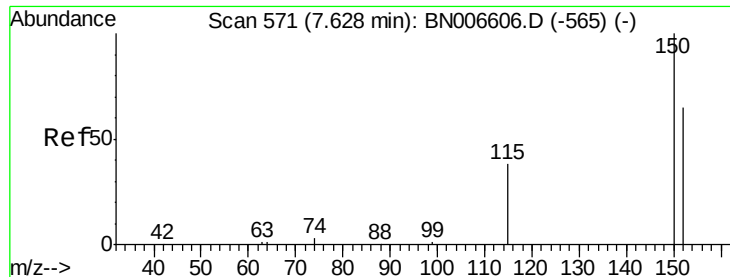
Instrument :
BNA_N
ClientSampleId :
PST-008-SW124-061819

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Quant Time: Jul 02 07:51:42 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

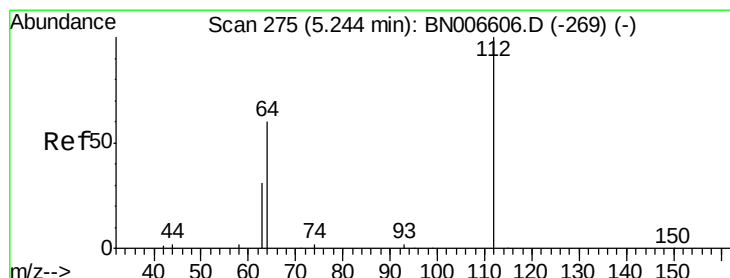
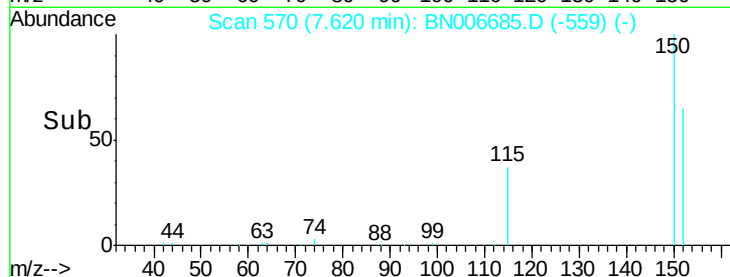
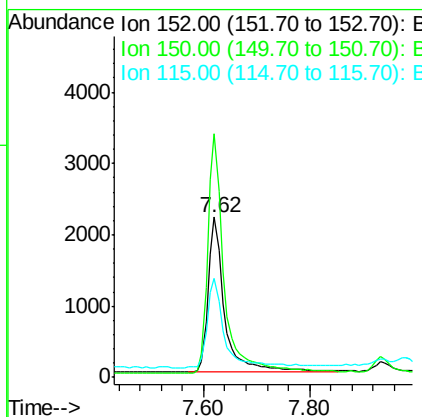
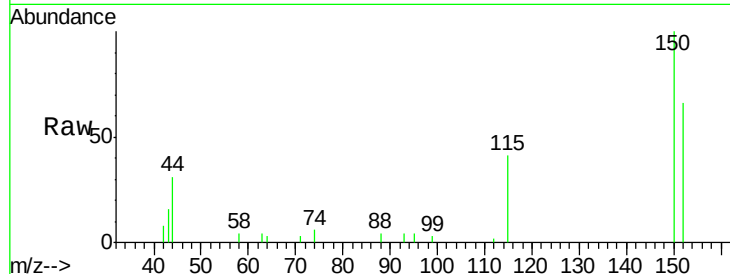
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006685.D
Acq: 02 Jul 2019 06:53

Instrument :
BNA_N
ClientSampleId :
PST-008-SW124-061819

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	122.2	183.2
115	61.9	50.0	75.0

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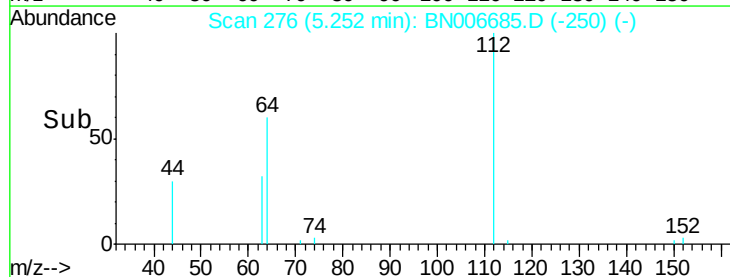
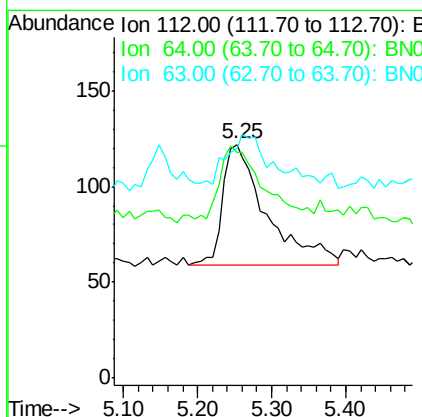
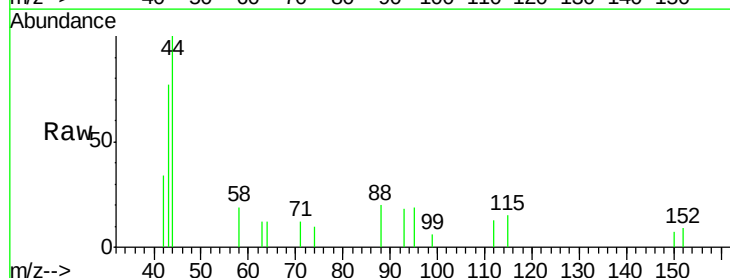
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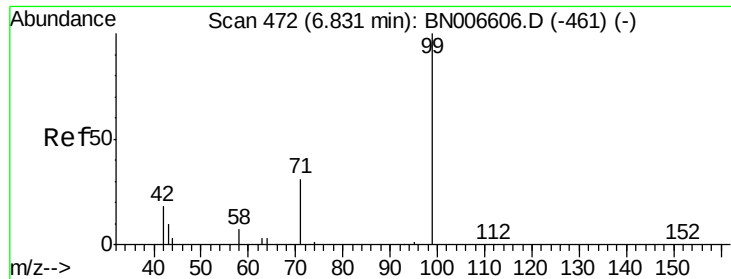


#4

2-Fluorophenol
Concen: 0.022 ng
RT: 5.25 min Scan# 276
Delta R.T. 0.01 min
Lab File: BN006685.D
Acq: 02 Jul 2019 06:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	48.9	73.3
63	33.2	24.3	36.5





#5

Phenol-d6

Concen: 0.020 ng

RT: 6.84 min Scan# 473

Delta R.T. 0.01 min

Lab File: BN006685.D

Acq: 02 Jul 2019 06:53

Instrument :

BNA_N

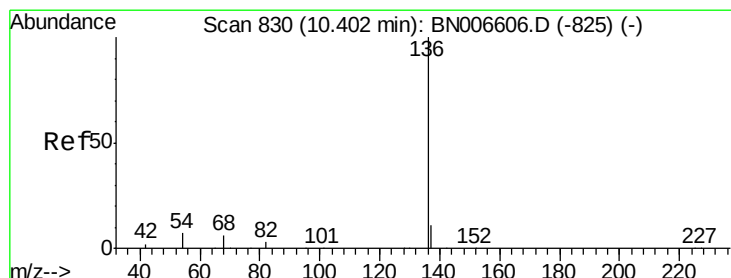
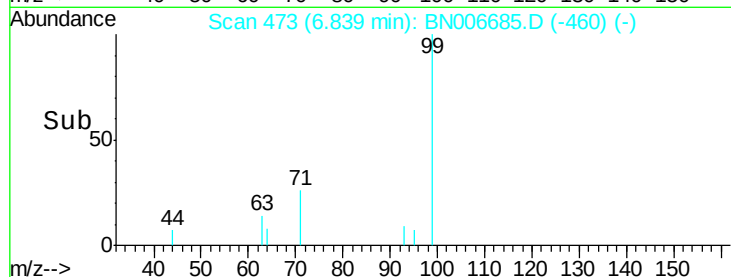
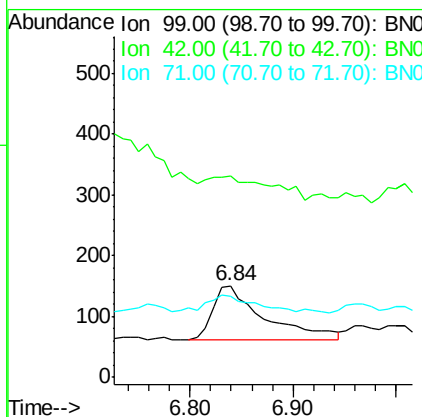
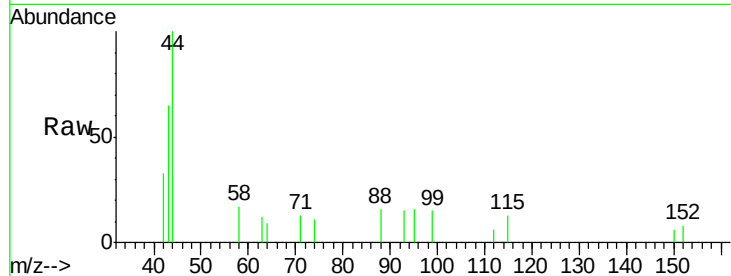
ClientSampleId :

PST-008-SW124-061819

Tot Ion:	99	Resp:	315
Ion Ratio	Lower	Upper	
99	100		
42	34.9	16.4	24.6#
71	25.4	26.6	40.0#

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#7

Naphthalene-d8

Concen: 0.400 ng

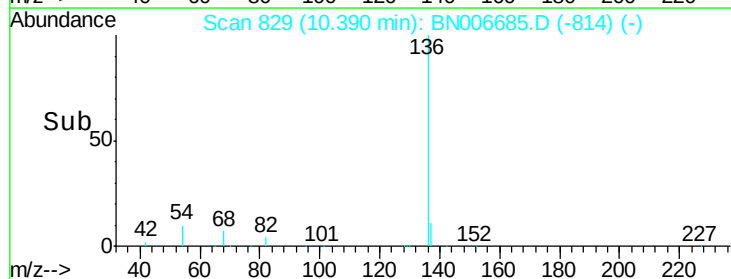
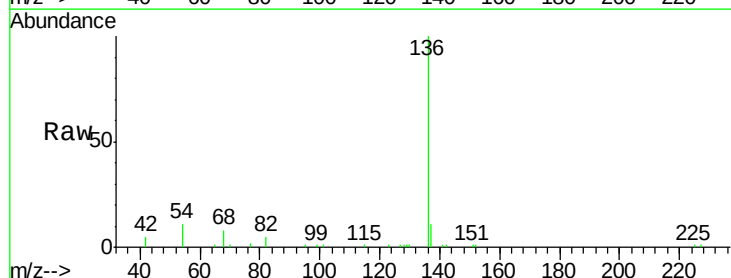
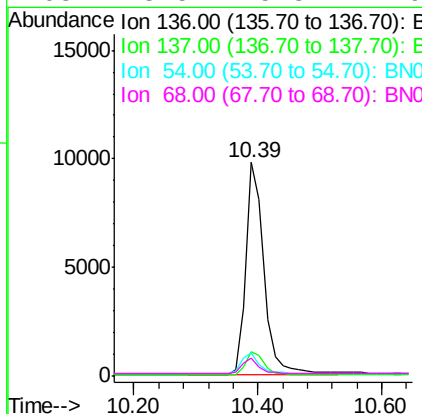
RT: 10.39 min Scan# 829

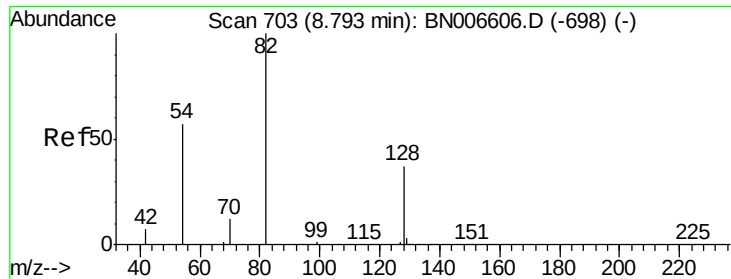
Delta R.T. -0.01 min

Lab File: BN006685.D

Acq: 02 Jul 2019 06:53

Tgt Ion:	136	Resp:	19852
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.3	13.9
54	10.7	6.7	10.1#
68	8.5	5.3	7.9#





#8

Nitrobenzene-d5

Concen: 0.019 ng

RT: 8.81 min Scan# 704

Delta R.T. 0.01 min

Lab File: BN006685.D

Acq: 02 Jul 2019 06:53

Instrument :

BNA_N

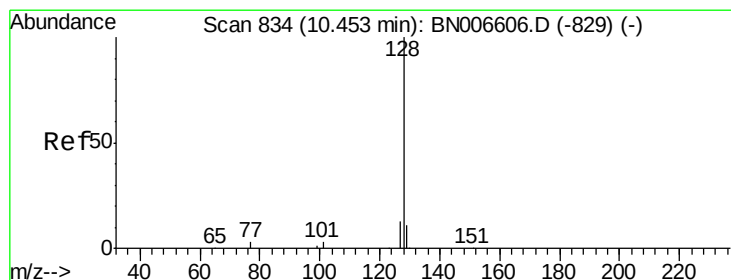
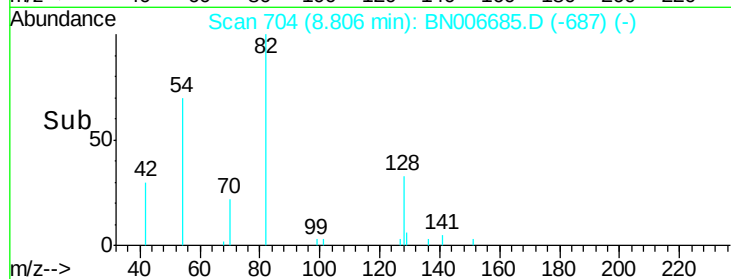
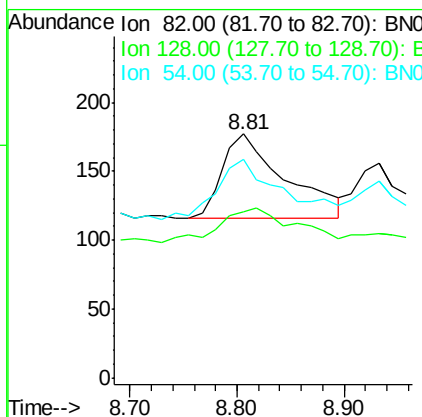
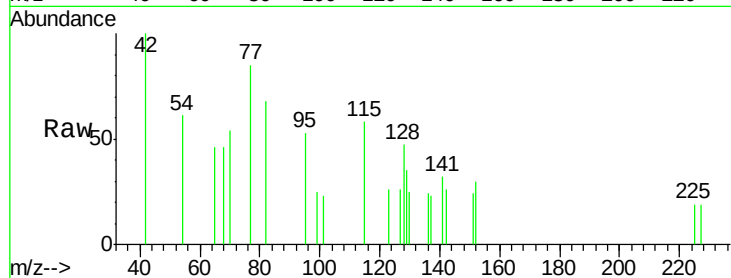
ClientSampleId :

PST-008-SW124-061819

Tot Ion:	82	Resp:	249
Ion	Ratio	Lower	Upper
82	100		
128	68.4	32.6	49.0#
54	89.8	48.2	72.4#

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#9

Naphthalene

Concen: 0.771 ng

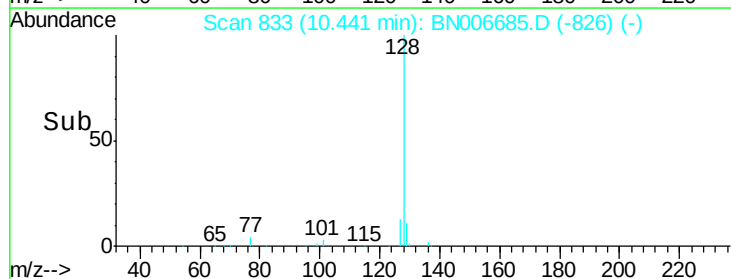
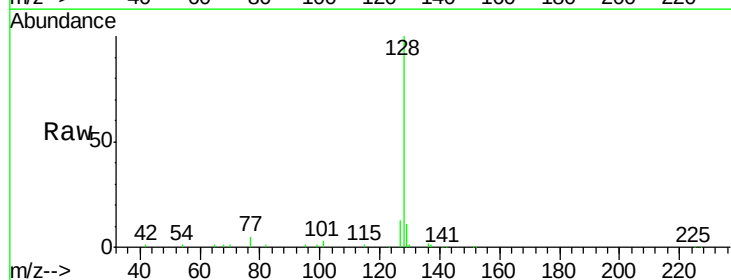
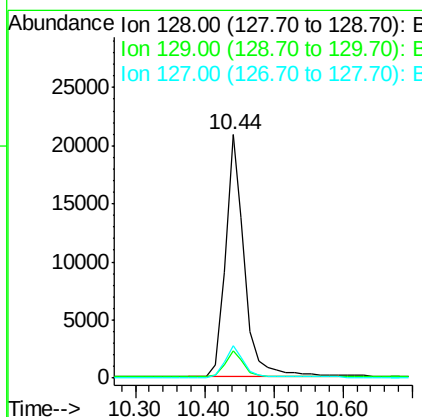
RT: 10.44 min Scan# 833

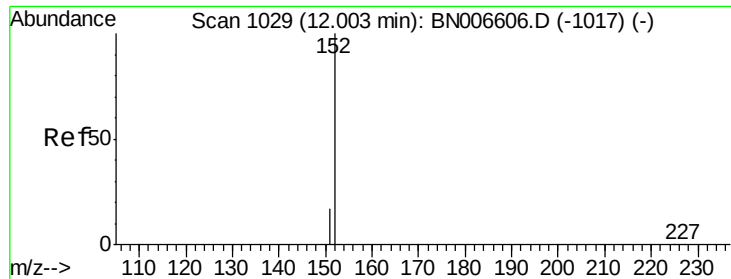
Delta R.T. -0.01 min

Lab File: BN006685.D

Acq: 02 Jul 2019 06:53

Tgt Ion:	128	Resp:	40192
Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.3	13.9
127	13.5	10.8	16.2





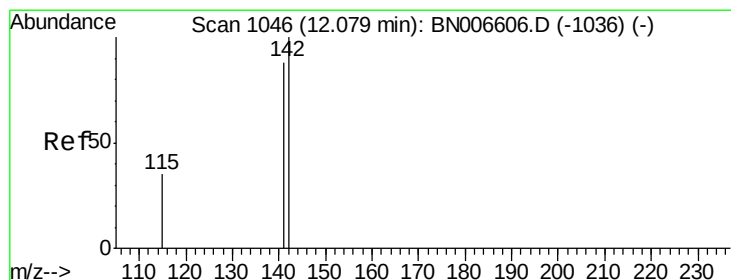
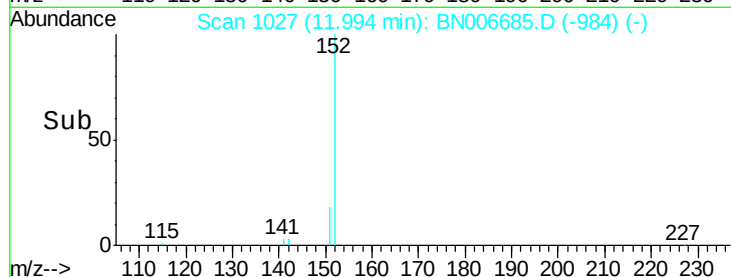
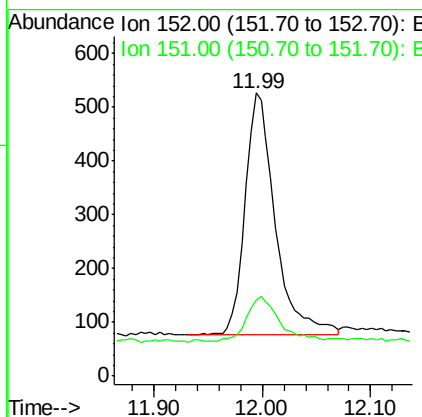
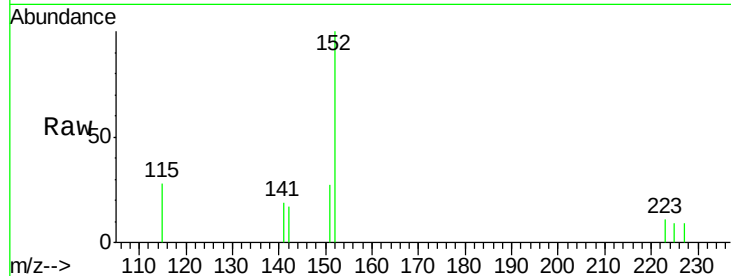
#11
2-Methylnaphthalene-d10
Concen: 0.028 ng
RT: 11.99 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BN006685.D
Acq: 02 Jul 2019 06:53

Instrument :
BNA_N
ClientSampleId :
PST-008-SW124-061819

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.0	22.4

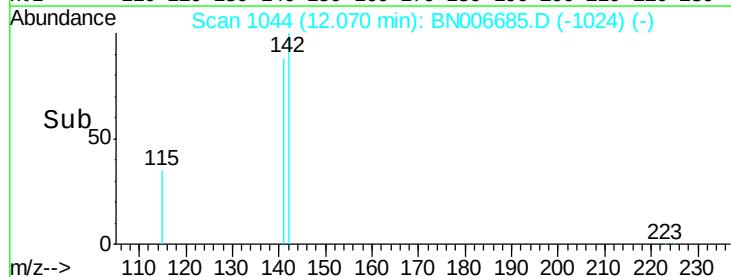
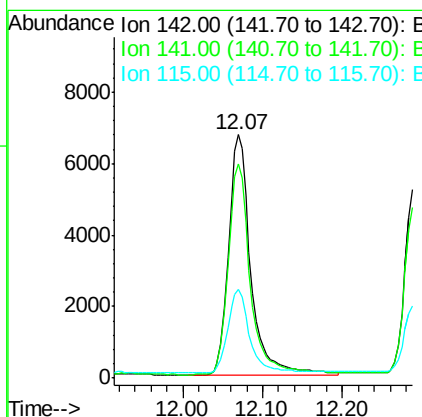
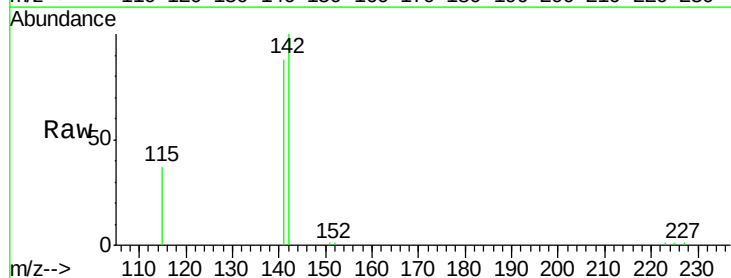
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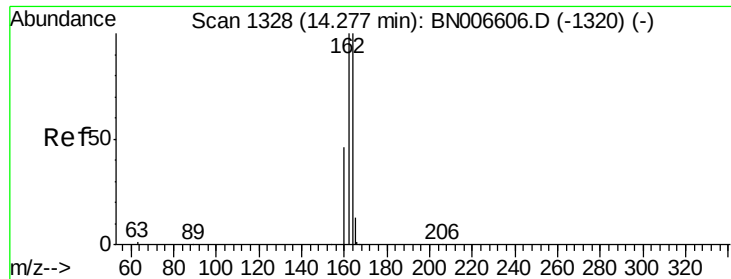
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#12
2-Methylnaphthalene
Concen: 0.362 ng
RT: 12.07 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BN006685.D
Acq: 02 Jul 2019 06:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.2	105.4
115	36.6	28.5	42.7





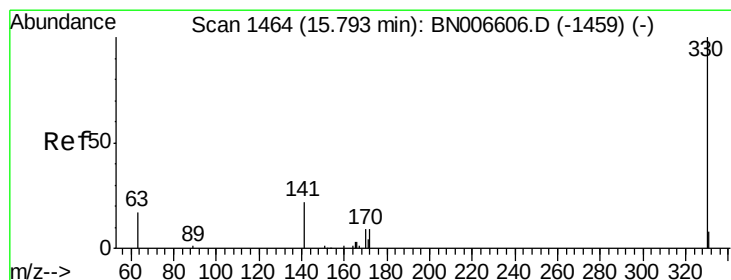
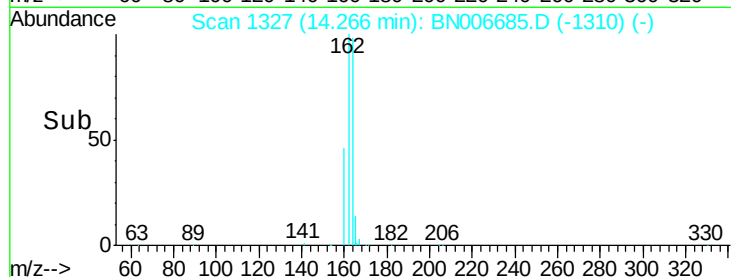
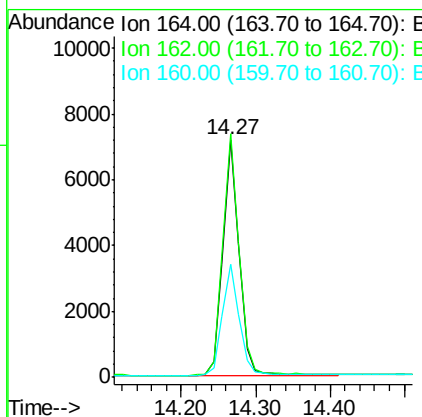
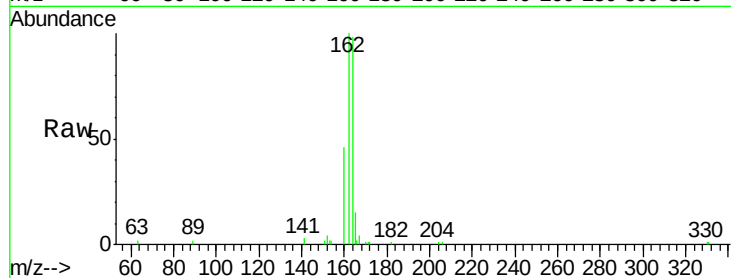
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.27 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BN006685.D
Acq: 02 Jul 2019 06:53

Instrument :
BNA_N
ClientSampleId :
PST-008-SW124-061819

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.0	120.0
160	47.3	37.0	55.4

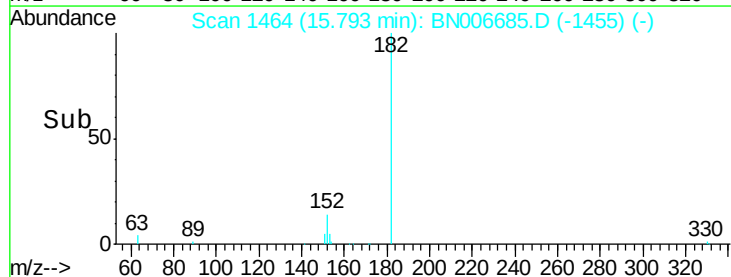
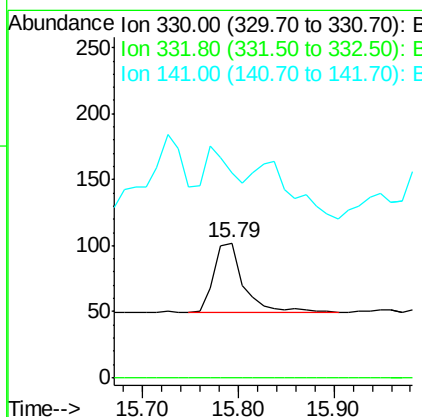
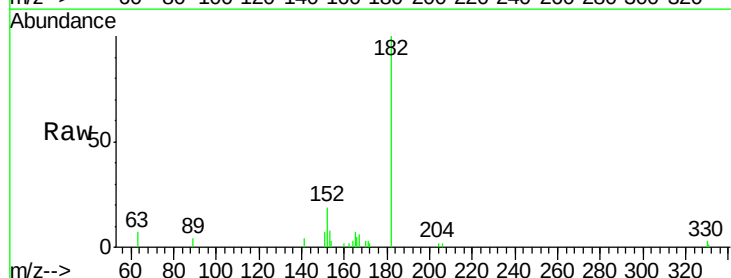
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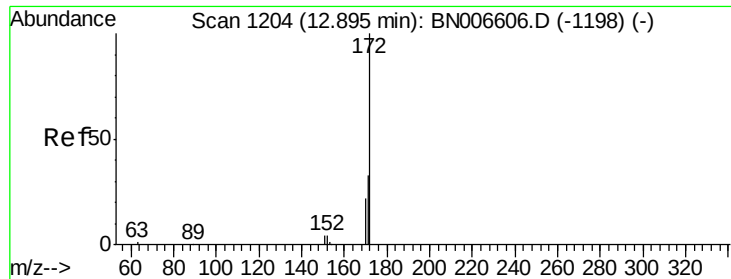
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#14
2,4,6-Tribromophenol
Concen: 0.023 ng
RT: 15.79 min Scan# 1464
Delta R.T. 0.00 min
Lab File: BN006685.D
Acq: 02 Jul 2019 06:53

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	0.0	26.5	39.7#





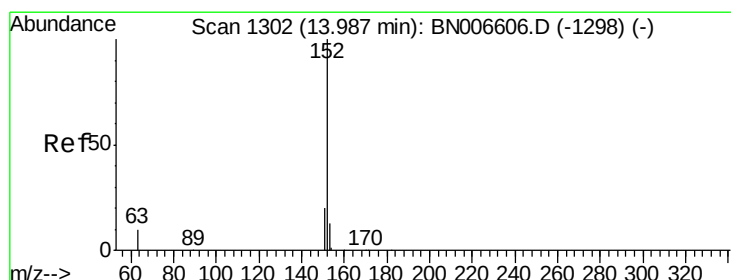
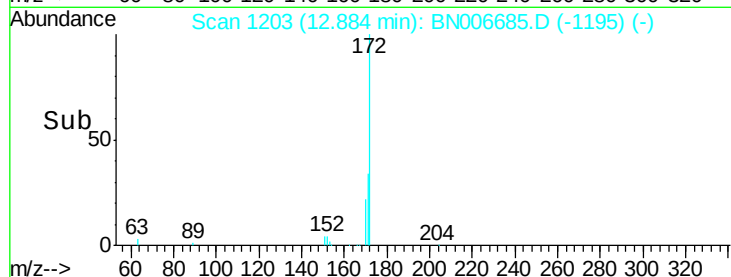
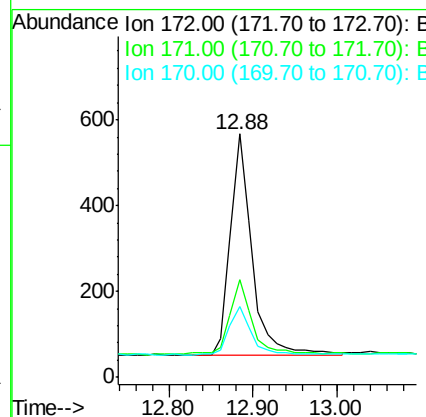
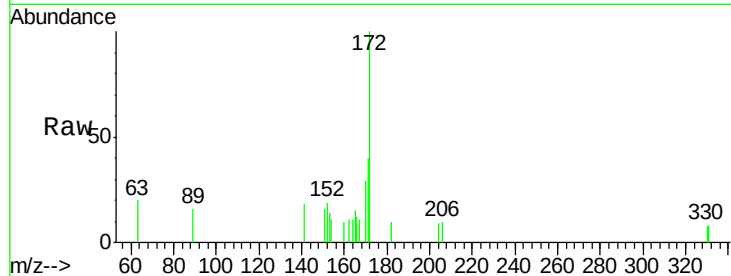
#15
2-Fluorobiphenyl
Concen: 0.023 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006685.D
Acq: 02 Jul 2019 06:53

Instrument :
BNA_N
ClientSampleId :
PST-008-SW124-061819

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.0	27.0	40.4
170	29.3	17.7	26.5

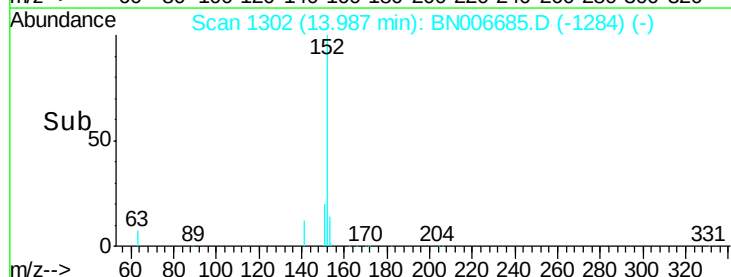
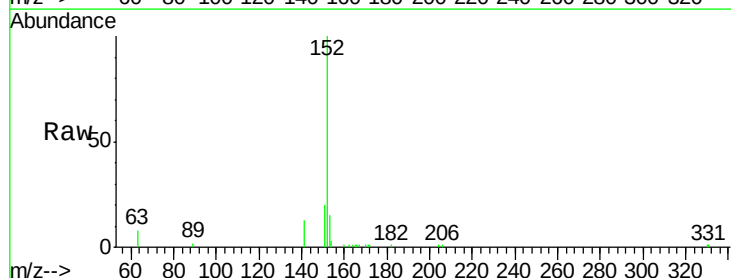
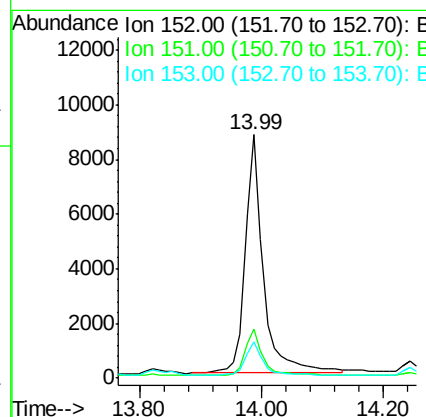
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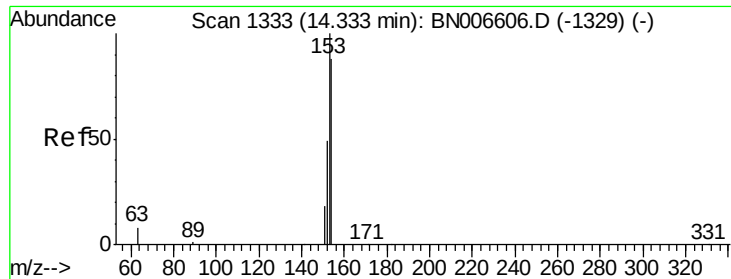
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#16
Acenaphthylene
Concen: 0.349 ng
RT: 13.99 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BN006685.D
Acq: 02 Jul 2019 06:53

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.6	23.4
153	13.7	10.5	15.7





#17

Acenaphthene

Concen: 0.637 ng

RT: 14.33 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BN006685.D

Acq: 02 Jul 2019 06:53

Instrument :

BNA_N

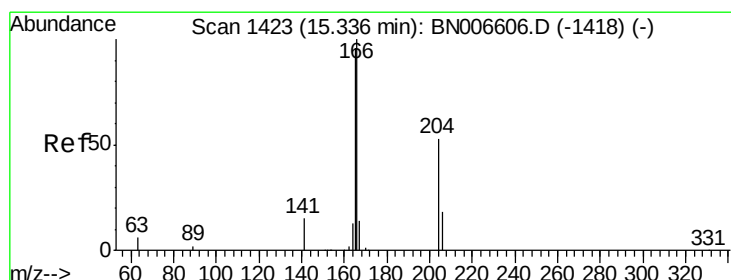
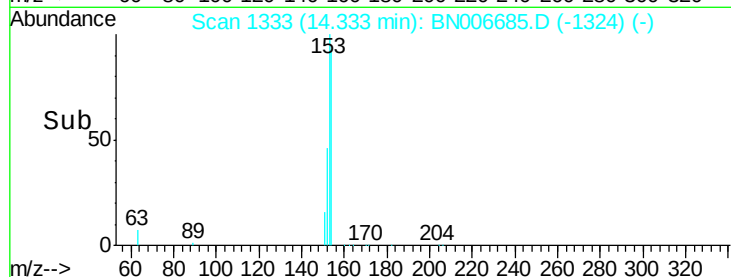
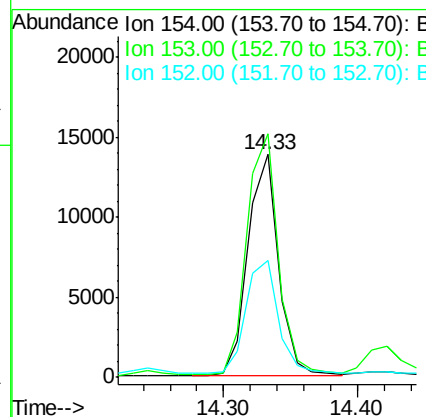
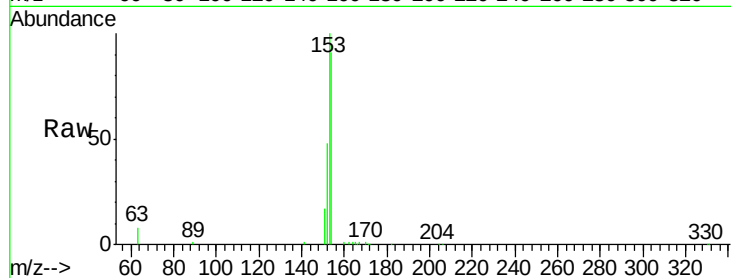
ClientSampleId :

PST-008-SW124-061819

Tot Ion:	154	Resp:	21850
Ion Ratio	Lower	Upper	
154	100		
153	112.6	90.2	135.4
152	54.7	44.2	66.4

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#18

Fluorene

Concen: 0.557 ng

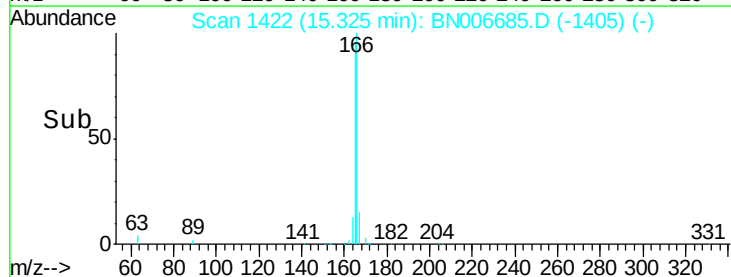
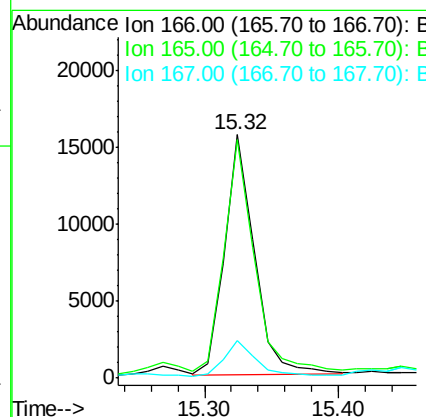
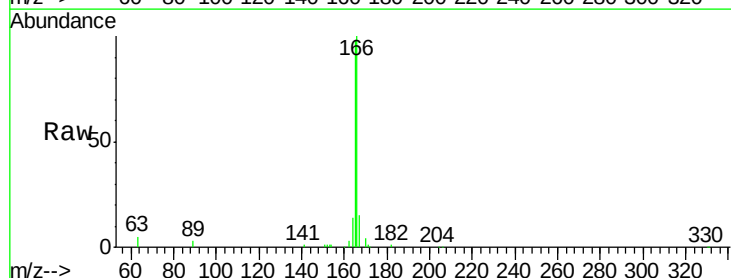
RT: 15.32 min Scan# 1422

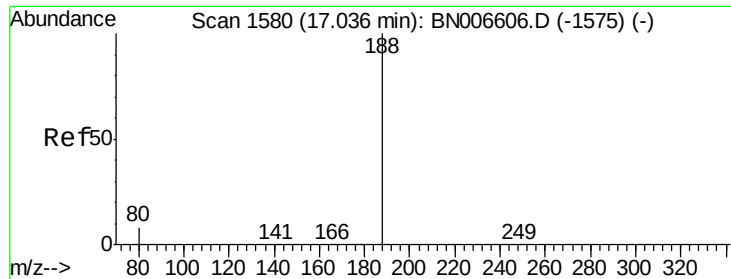
Delta R.T. -0.01 min

Lab File: BN006685.D

Acq: 02 Jul 2019 06:53

Tgt Ion:	166	Resp:	24111
Ion Ratio	Lower	Upper	
166	100		
165	99.1	78.4	117.6
167	16.1	10.8	16.2





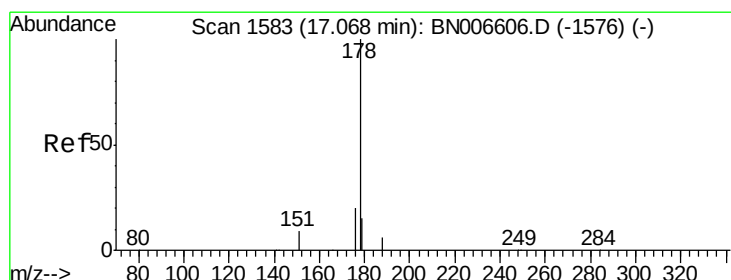
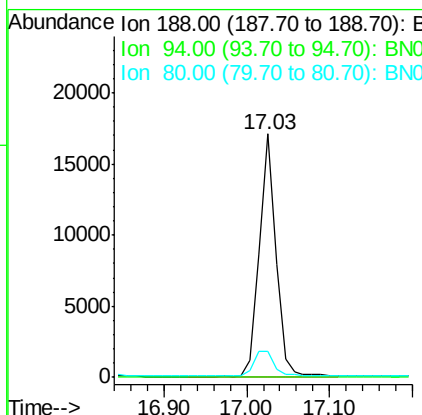
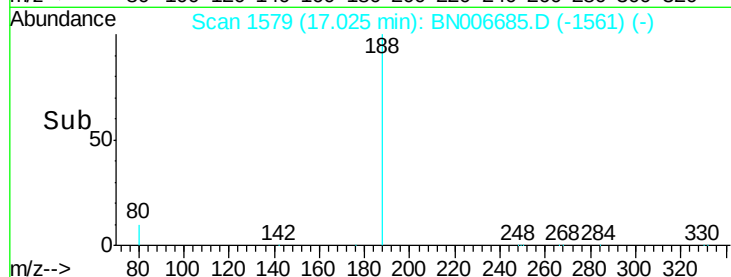
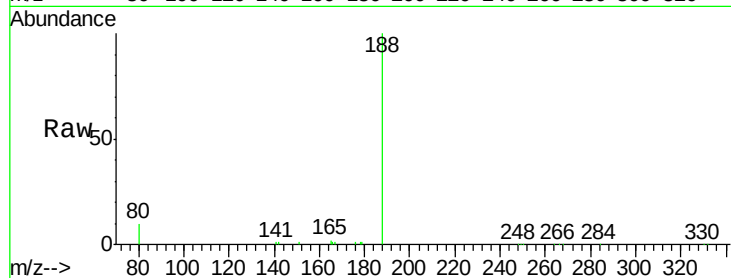
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.03 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BN006685.D
Acq: 02 Jul 2019 06:53

Instrument :
BNA_N
ClientSampleId :
PST-008-SW124-061819

Tot Ion	Ratio	Resp	Lower	Upper
188	100	23382		
94	0.0	0.0	0.0	0.0
80	10.5	7.1	10.7	

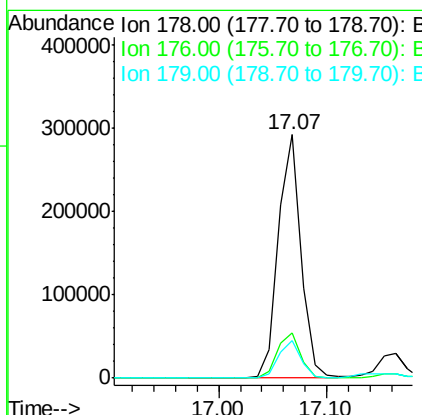
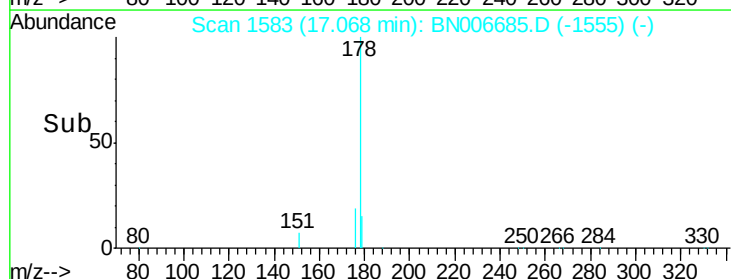
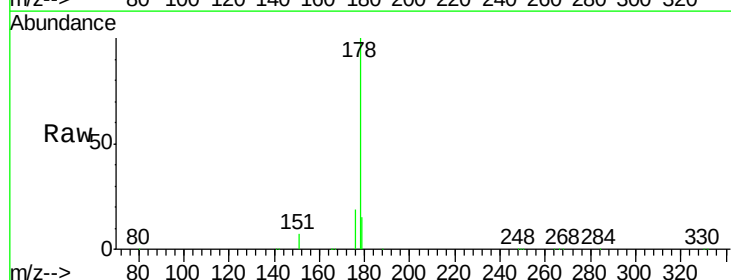
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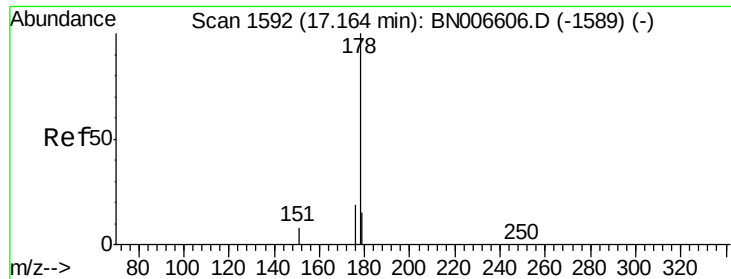
mohammad
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#23
Phenanthrene
Concen: 6.387 ng
RT: 17.07 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BN006685.D
Acq: 02 Jul 2019 06:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	424654		
176	19.0	15.3	22.9	
179	15.3	12.2	18.4	





#24

Anthracene

Concen: 0.839 ng

RT: 17.16 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BN006685.D

Acq: 02 Jul 2019 06:53

Instrument :

BNA_N

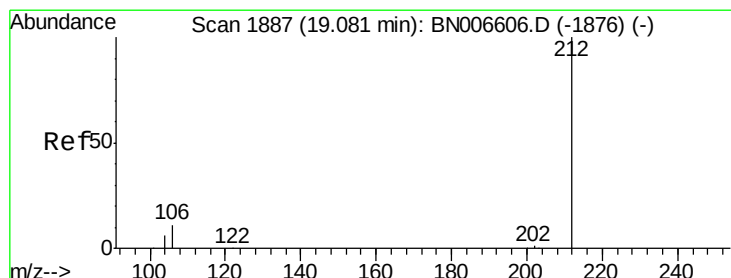
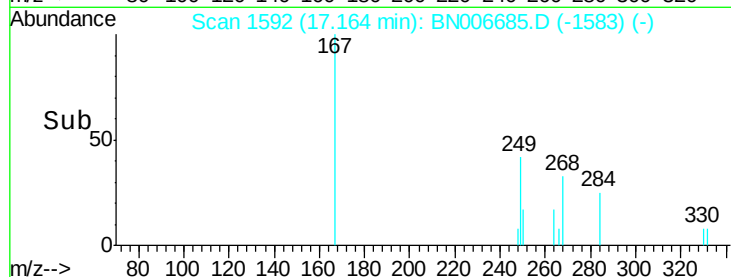
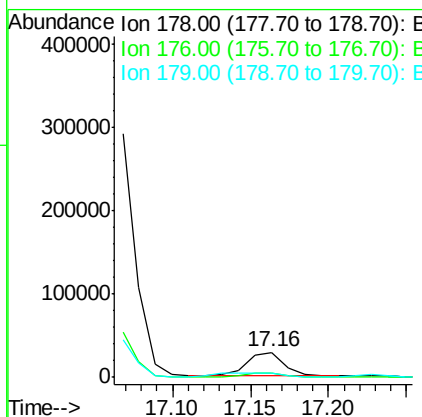
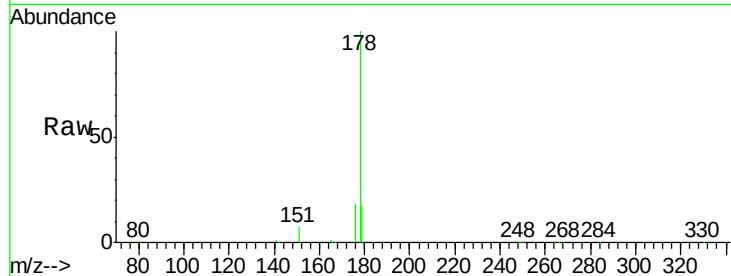
ClientSampleId :

PST-008-SW124-061819

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.0	22.4
179	0.0	12.2	18.2

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#25

Fluoranthene-d10

Concen: 0.028 ng

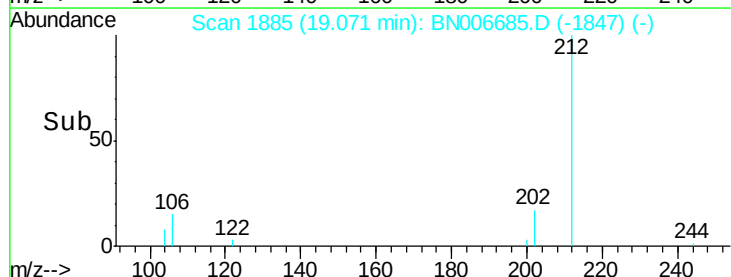
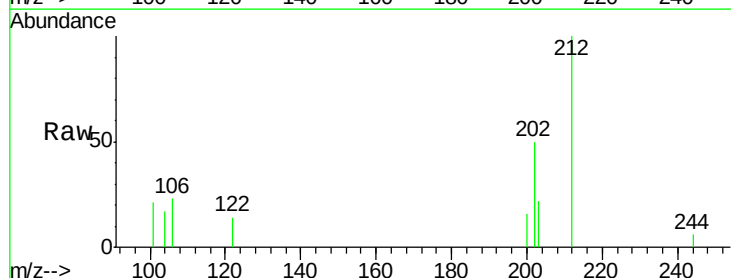
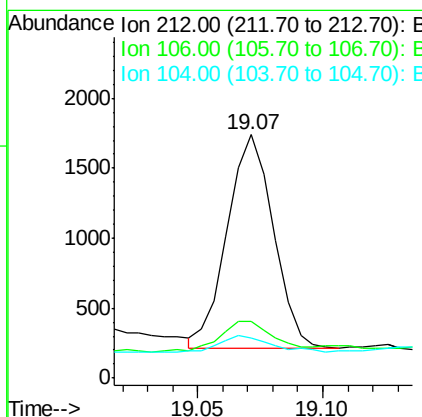
RT: 19.07 min Scan# 1885

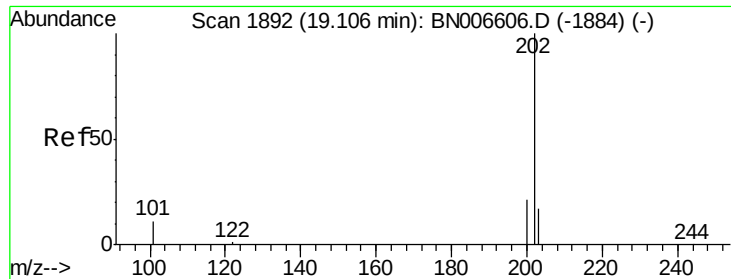
Delta R.T. -0.01 min

Lab File: BN006685.D

Acq: 02 Jul 2019 06:53

Tgt Ion	Ratio	Lower	Upper
212	100		
106	16.6	10.6	15.8
104	10.8	5.8	8.6





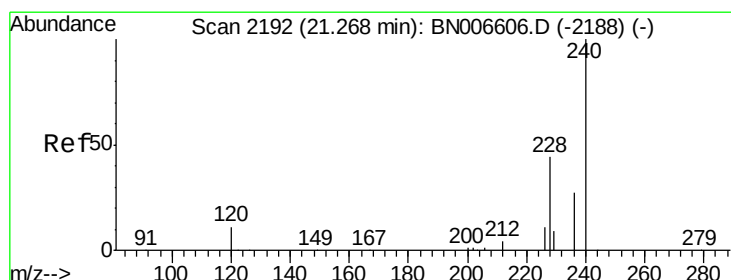
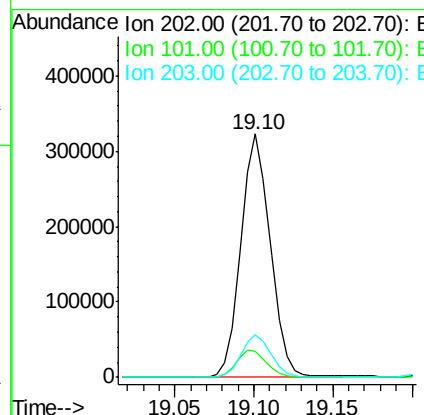
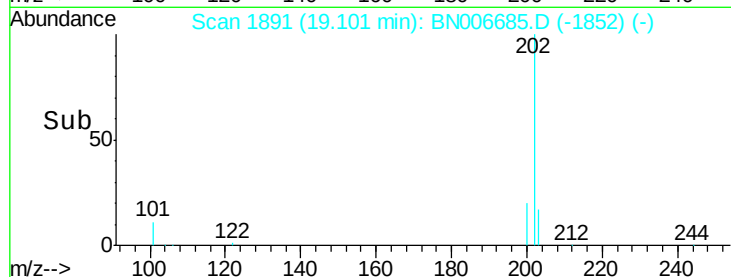
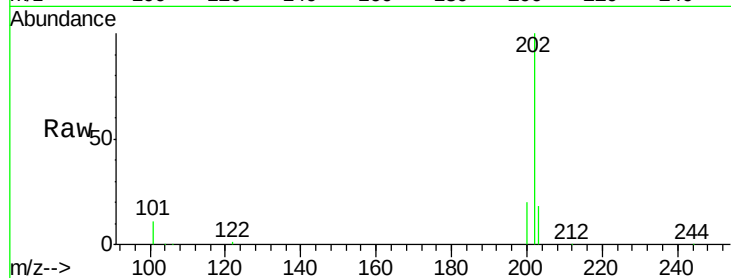
#26
Fluoranthene
Concen: 5.143 ng
RT: 19.10 min Scan# 1891
Delta R.T. -0.00 min
Lab File: BN006685.D
Acq: 02 Jul 2019 06:53

Instrument :
BNA_N
ClientSampleId :
PST-008-SW124-061819

Tot Ion	Ratio	Resp	Lower	Upper
202	100	415542		
101	11.6		8.9	13.3
203	17.5		13.6	20.4

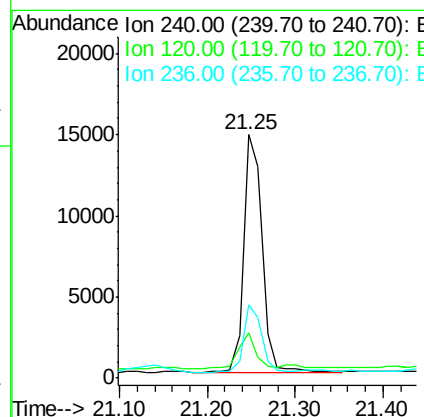
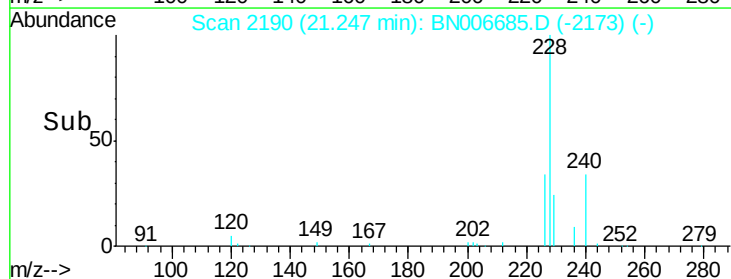
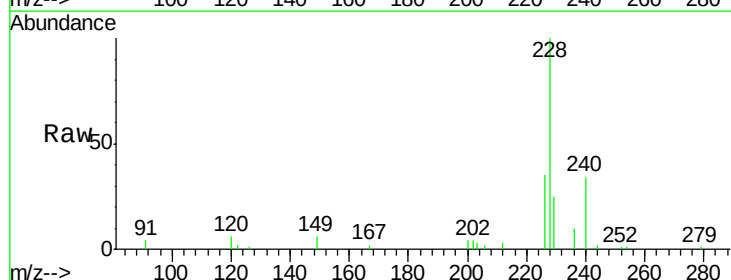
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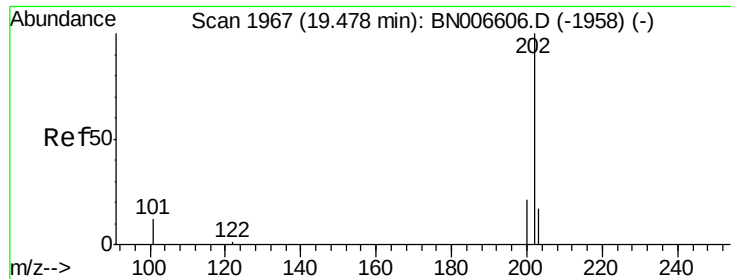
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BN006685.D
Acq: 02 Jul 2019 06:53

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	21206		
120	18.8		9.9	14.9#
236	29.9		22.2	33.4





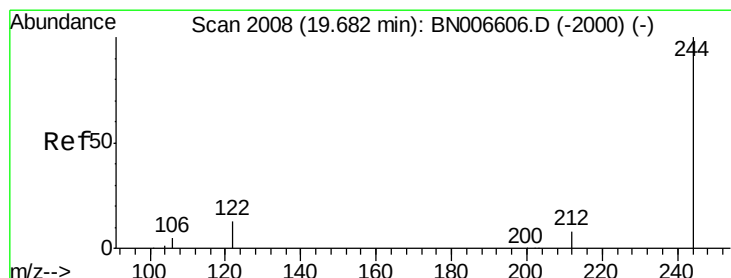
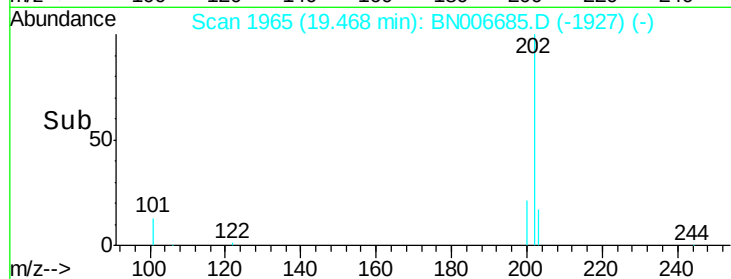
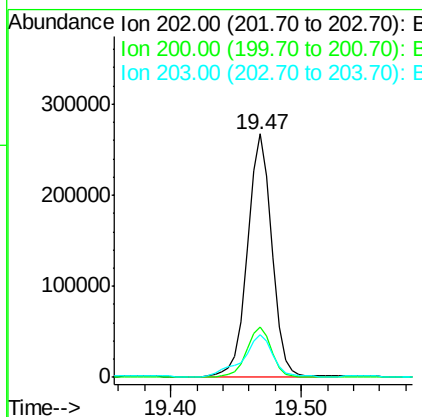
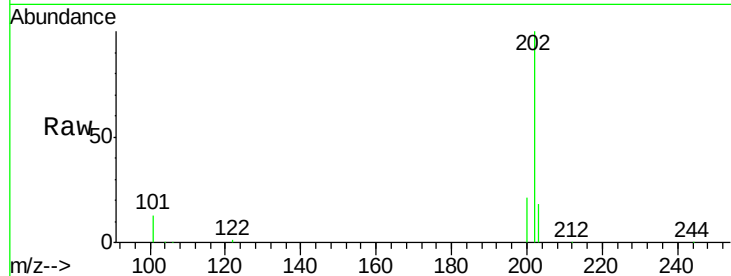
#28
Pvrene
Concen: 4.724 ng
RT: 19.47 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BN006685.D
Acq: 02 Jul 2019 06:53

Instrument :
BNA_N
ClientSampleId :
PST-008-SW124-061819

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.0	16.7	25.1	
203	21.2	14.1	21.1	

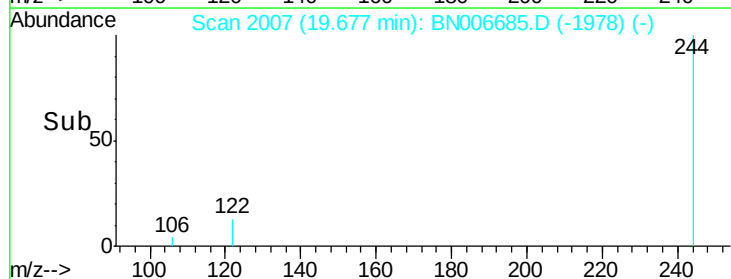
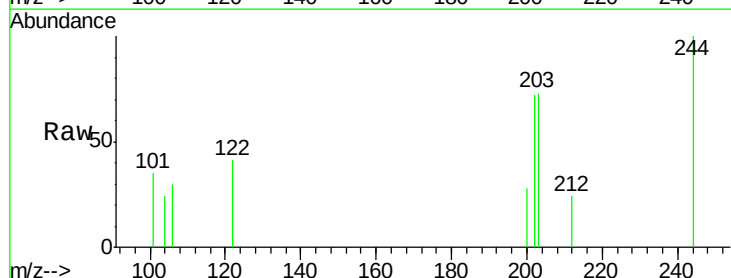
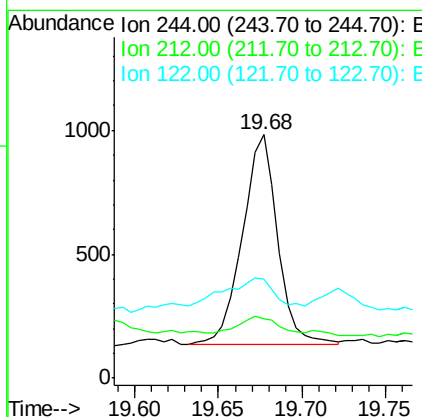
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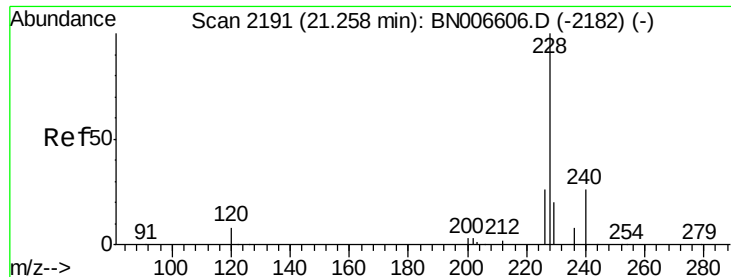
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#29
Terphenyl-d14
Concen: 0.028 ng
RT: 19.68 min Scan# 2007
Delta R.T. -0.00 min
Lab File: BN006685.D
Acq: 02 Jul 2019 06:53

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	24.4	6.7	10.1	
122	40.7	11.0	16.6	





#30

Benzo(a)anthracene

Concen: 2.189 ng

RT: 21.24 min Scan# 2189

Delta R.T. -0.02 min

Lab File: BN006685.D

Acq: 02 Jul 2019 06:53

Instrument :

BNA_N

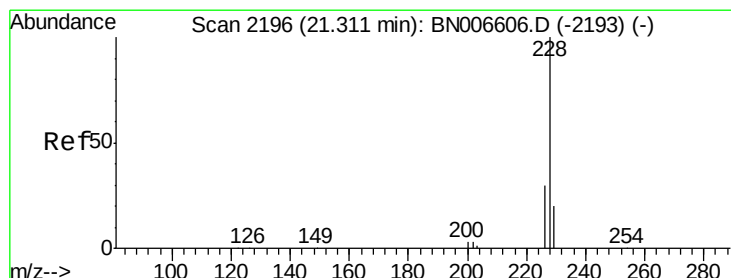
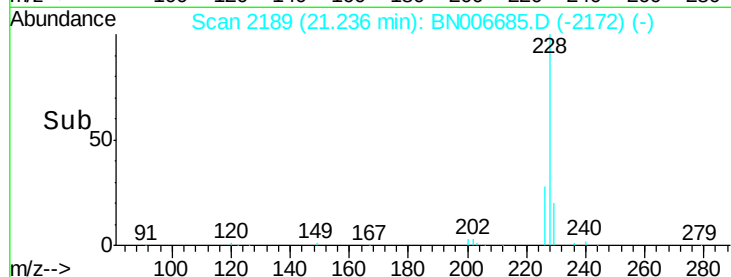
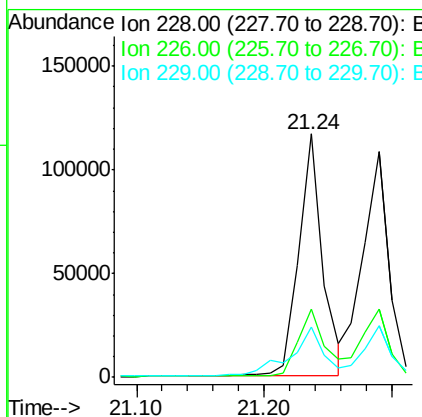
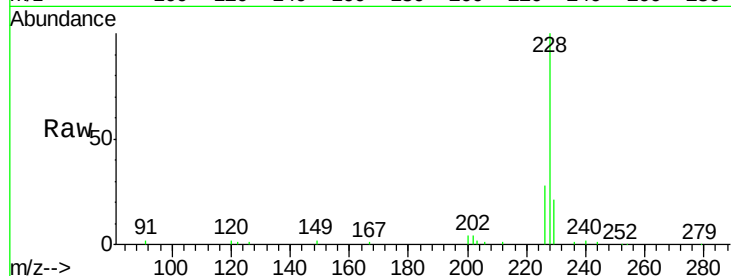
ClientSampleId :

PST-008-SW124-061819

Tot Ion:	228	Resp:	151798
Ion Ratio	Lower	Upper	
228	100		
226	28.1	21.2	31.8
229	20.9	16.1	24.1

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#31

Chrysene

Concen: 2.052 ng

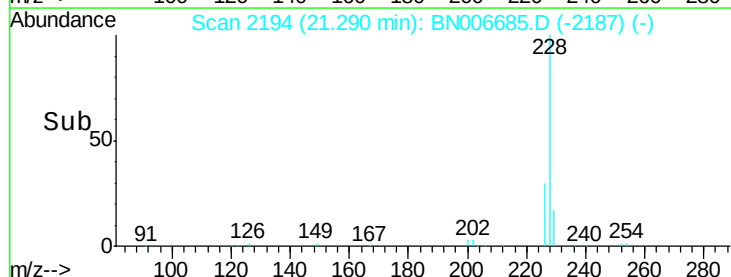
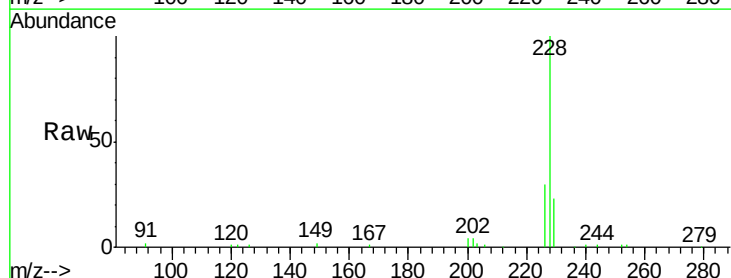
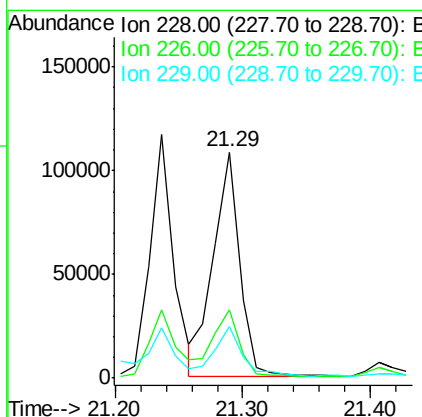
RT: 21.29 min Scan# 2194

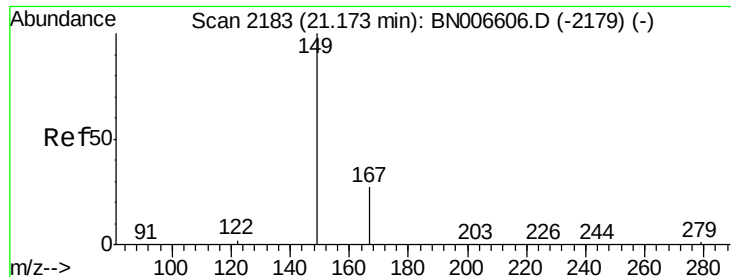
Delta R.T. -0.02 min

Lab File: BN006685.D

Acq: 02 Jul 2019 06:53

Tgt Ion:	228	Resp:	153373
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.8	35.6
229	22.6	15.9	23.9





#32

Bis(2-ethylhexyl)phthalate

Concen: 2.075 ng

RT: 21.16 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BN006685.D

Acq: 02 Jul 2019 06:53

Instrument :

BNA_N

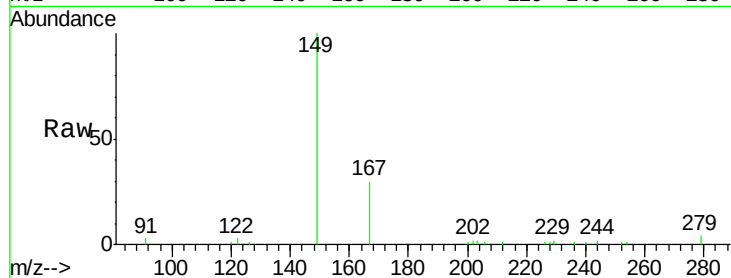
ClientSampleId :

PST-008-SW124-061819

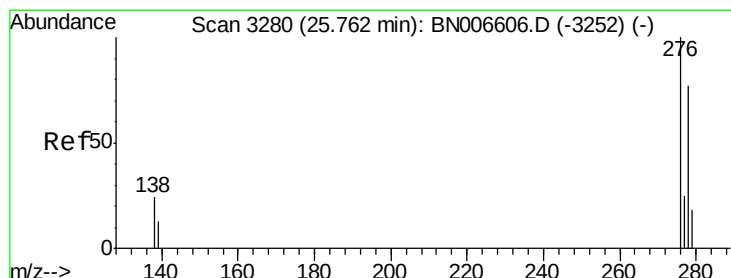
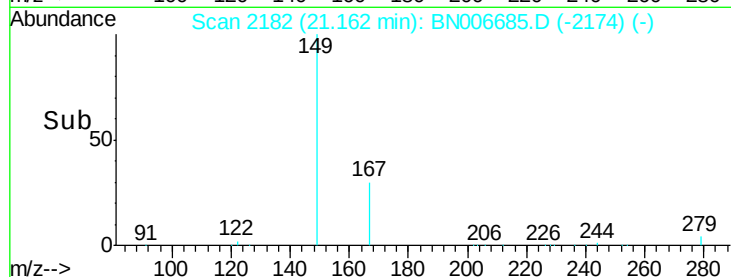
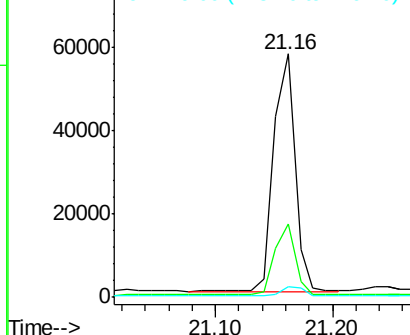
Tot Ion:	149	Resp:	72390
Ion Ratio	Lower	Upper	
149	100		
167	28.5	22.9	34.3
279	4.2	3.3	4.9

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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: 1.065 ng

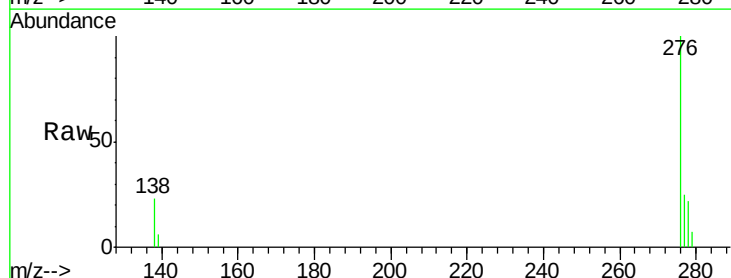
RT: 25.72 min Scan# 3268

Delta R.T. -0.04 min

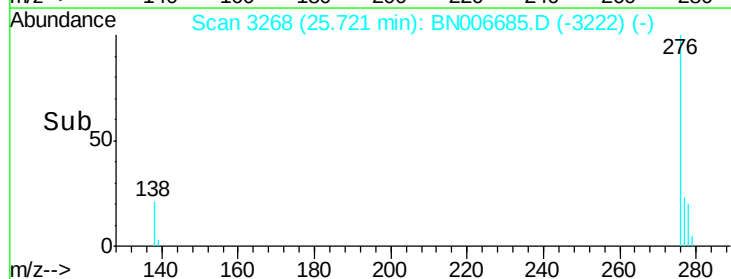
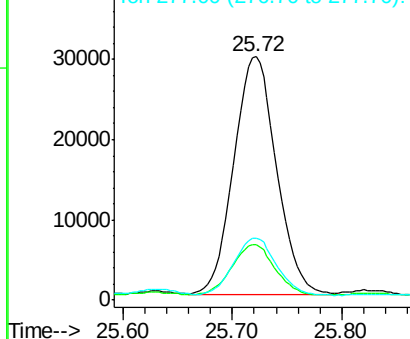
Lab File: BN006685.D

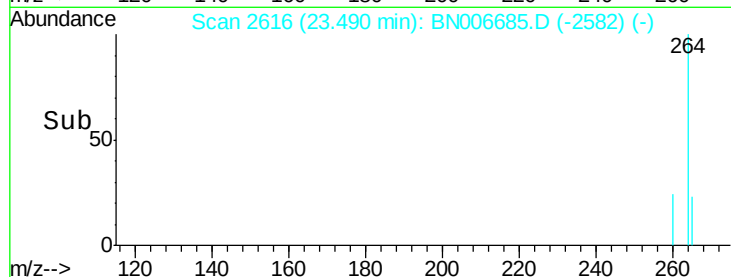
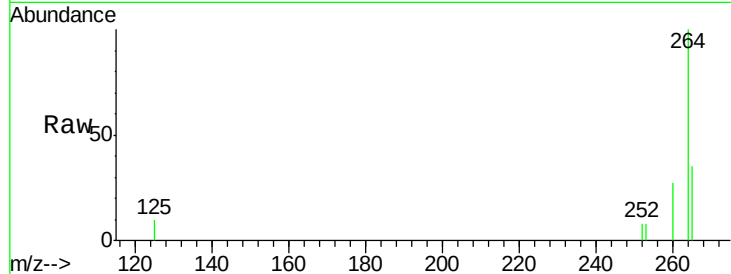
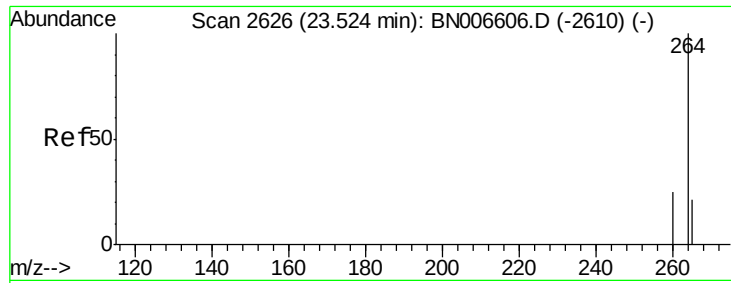
Acq: 02 Jul 2019 06:53

Tgt Ion:	276	Resp:	80584
Ion Ratio	Lower	Upper	
276	100		
138	21.4	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





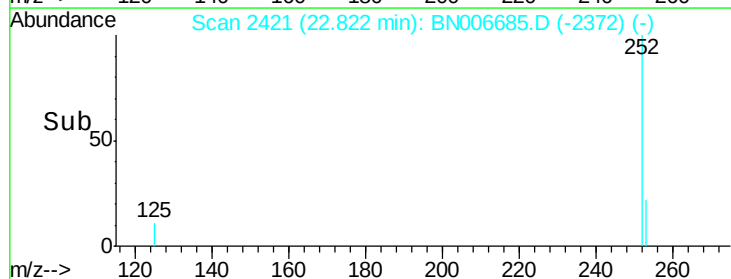
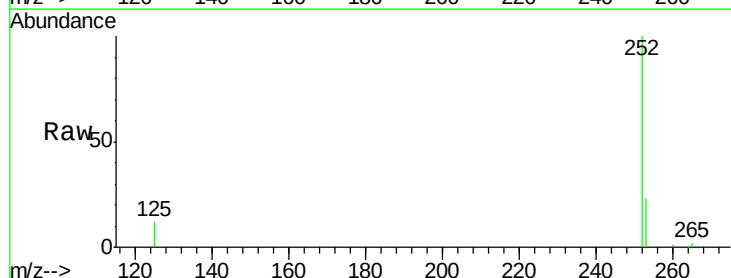
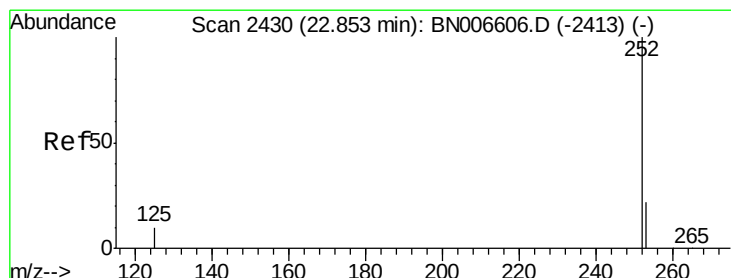
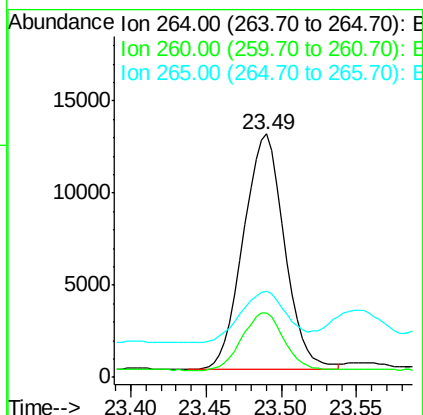
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.49 min Scan# 2616
 Delta R.T. -0.03 min
 Lab File: BN006685.D
 Acq: 02 Jul 2019 06:53

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.5	20.2	30.2
265	35.4	23.3	34.9

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-SW124-061819

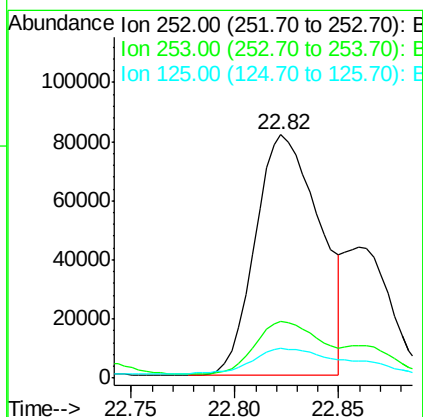
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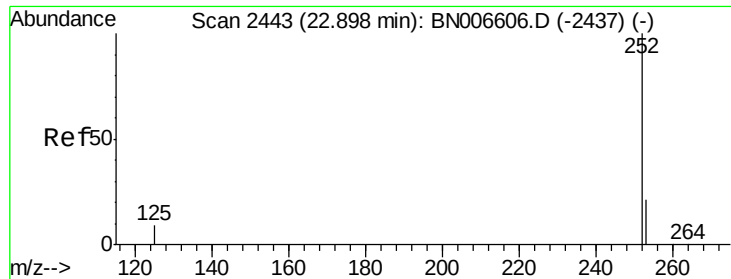
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#35
 Benzo(b)fluoranthene
 Concen: 2.143 ng
 RT: 22.82 min Scan# 2421
 Delta R.T. -0.03 min
 Lab File: BN006685.D
 Acq: 02 Jul 2019 06:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	12.2	8.7	13.1





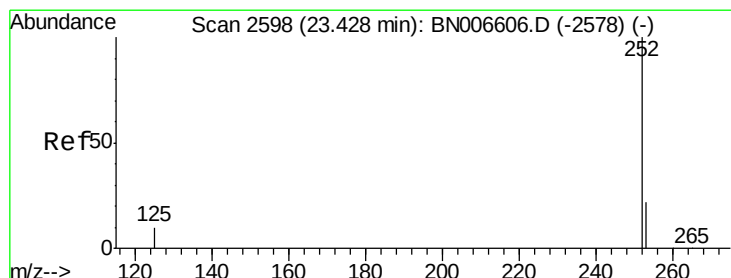
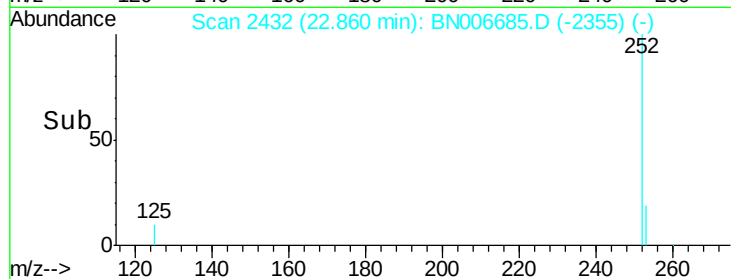
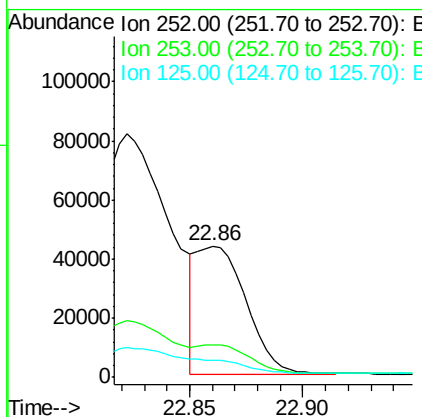
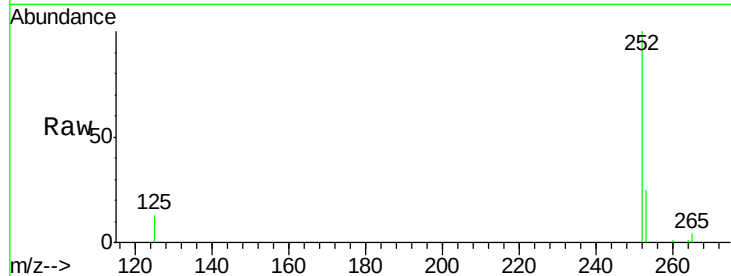
#36
Benzo(k)fluoranthene
Concen: 0.771 ng/mL
RT: 22.86 min Scan# 2432
Delta R.T. -0.04 min
Lab File: BN006685.D
Acq: 02 Jul 2019 06:53

Instrument :
BNA_N
ClientSampleId :
PST-008-SW124-061819

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.3	27.5
125	13.3	8.4	12.6

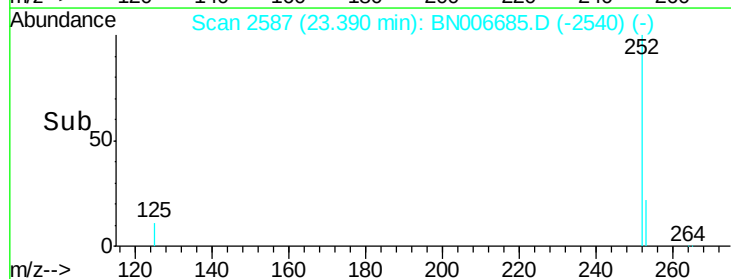
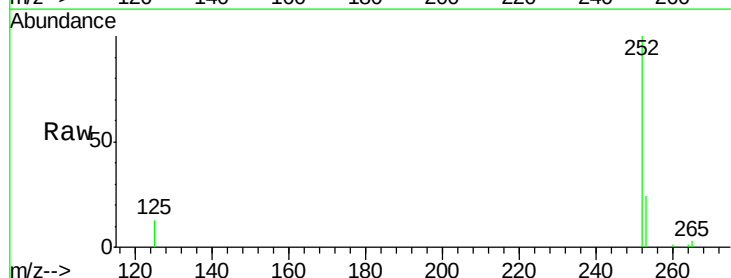
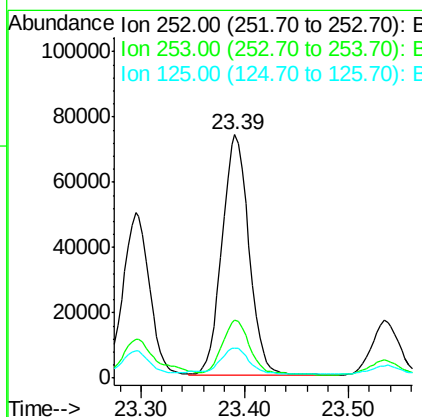
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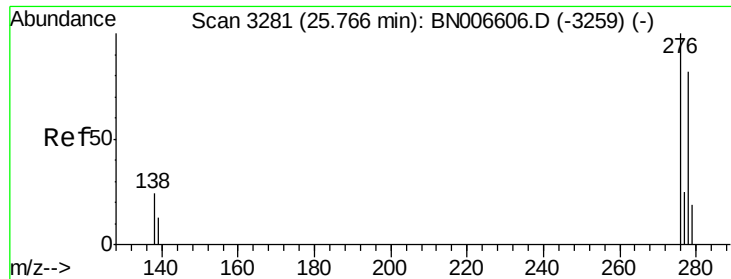
mohammad
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#37
Benzo(a)pyrene
Concen: 1.736 ng/mL
RT: 23.39 min Scan# 2587
Delta R.T. -0.04 min
Lab File: BN006685.D
Acq: 02 Jul 2019 06:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.8	28.2
125	12.5	9.4	14.2





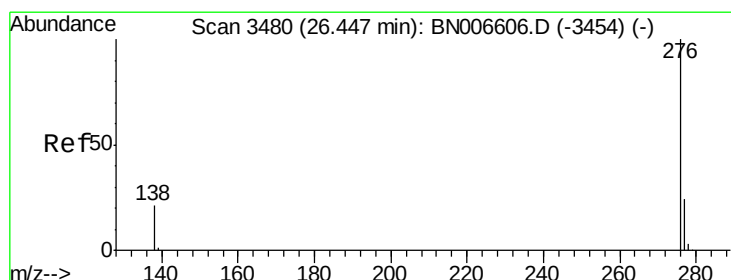
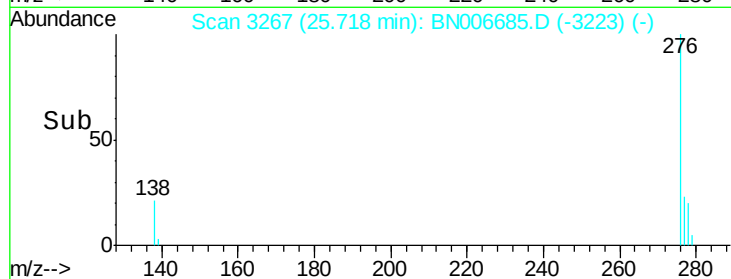
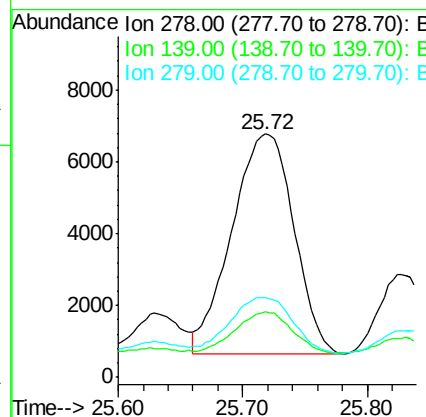
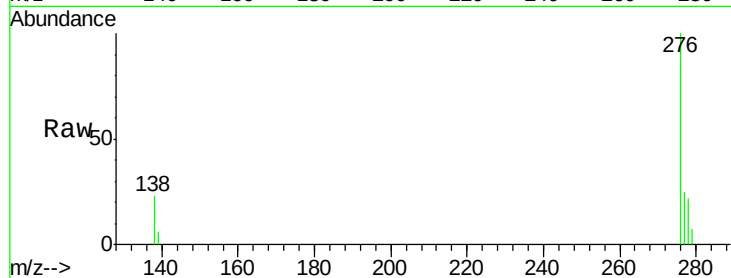
#38
Dibenzo(a,h)anthracene
Concen: 0.318 ng
RT: 25.72 min Scan# 3267
Delta R.T. -0.05 min
Lab File: BN006685.D
Acq: 02 Jul 2019 06:53

Instrument :
BNA_N
ClientSampleId :
PST-008-SW124-061819

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.8	13.5	20.3#
279	33.0	19.4	29.2#

Manual Integrations
APPROVED

mohammad
7/2/2019 2:53:11 PM



#39
Benzo(g,h,i)perylene
Concen: 1.132 ng
RT: 26.40 min Scan# 3467
Delta R.T. -0.04 min
Lab File: BN006685.D
Acq: 02 Jul 2019 06:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.6	29.4
138	23.4	17.7	26.5

