

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
 Data File : BN006682.D
 Acq On : 02 Jul 2019 05:10
 Operator : HP/JU
 Sample : K3446-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 7/2/2019 2:53:00 PM

Quant Time: Jul 02 07:46:28 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	4103	0.40	ng	0.00
7) Naphthalene-d8	10.39	136	16694	0.40	ng	-0.01
13) Acenaphthene-d10	14.27	164	9487	0.40	ng	-0.01
19) Phenanthrene-d10	17.02	188	19641	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	17983	0.40	ng	-0.02
34) Perylene-d12	23.48	264	21955	0.40	ng	-0.05

System Monitoring Compounds

4) 2-Fluorophenol	5.24	112	3390	0.34	ng	0.00
5) Phenol-d6	6.81	99	4693	0.35	ng	-0.02
8) Nitrobenzene-d5	8.79	82	3788	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	11.99	152	9058	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	1394	0.31	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	10859	0.31	ng	-0.01
25) Fluoranthene-d10	19.07	212	19910	0.35	ng	-0.01
29) Terphenyl-d14	19.67	244	11423	0.30	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.44	128	36202	0.825	ng	100
12) 2-Methylnaphthalene	12.07	142	24388	0.804	ng	100
16) Acenaphthylene	13.99	152	93329	2.063	ng	99
17) Acenaphthene	14.33	154	78242	2.625	ng	99
18) Fluorene	15.32	166	125193	3.330	ng	99
23) Phenanthrene	17.07	178	1588729	28.447	ng	100
24) Anthracene	17.15	178	377848	7.797	ng	# 95
26) Fluoranthene	19.10	202	1858850	27.387	ng	98
28) Pyrene	19.47	202	1587456	25.228	ng	# 95
30) Benzo(a)anthracene	21.23	228	852704	14.503	ng	98
31) Chrysene	21.28	228	675709	10.661	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	107912	3.647	ng	99
33) Indeno(1,2,3-cd)pyrene	25.70	276	421498	6.570	ng	97
35) Benzo(b)fluoranthene	22.81	252	891041	11.931	ng	100
36) Benzo(k)fluoranthene	22.85	252	349494m	4.390	ng	
37) Benzo(a)pyrene	23.38	252	675406	9.674	ng	99
38) Dibenzo(a,h)anthracene	25.70	278	113661	1.863	ng	# 90
39) Benzo(a,h,i)perylene	26.39	276	384865	6.321	ng	100

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

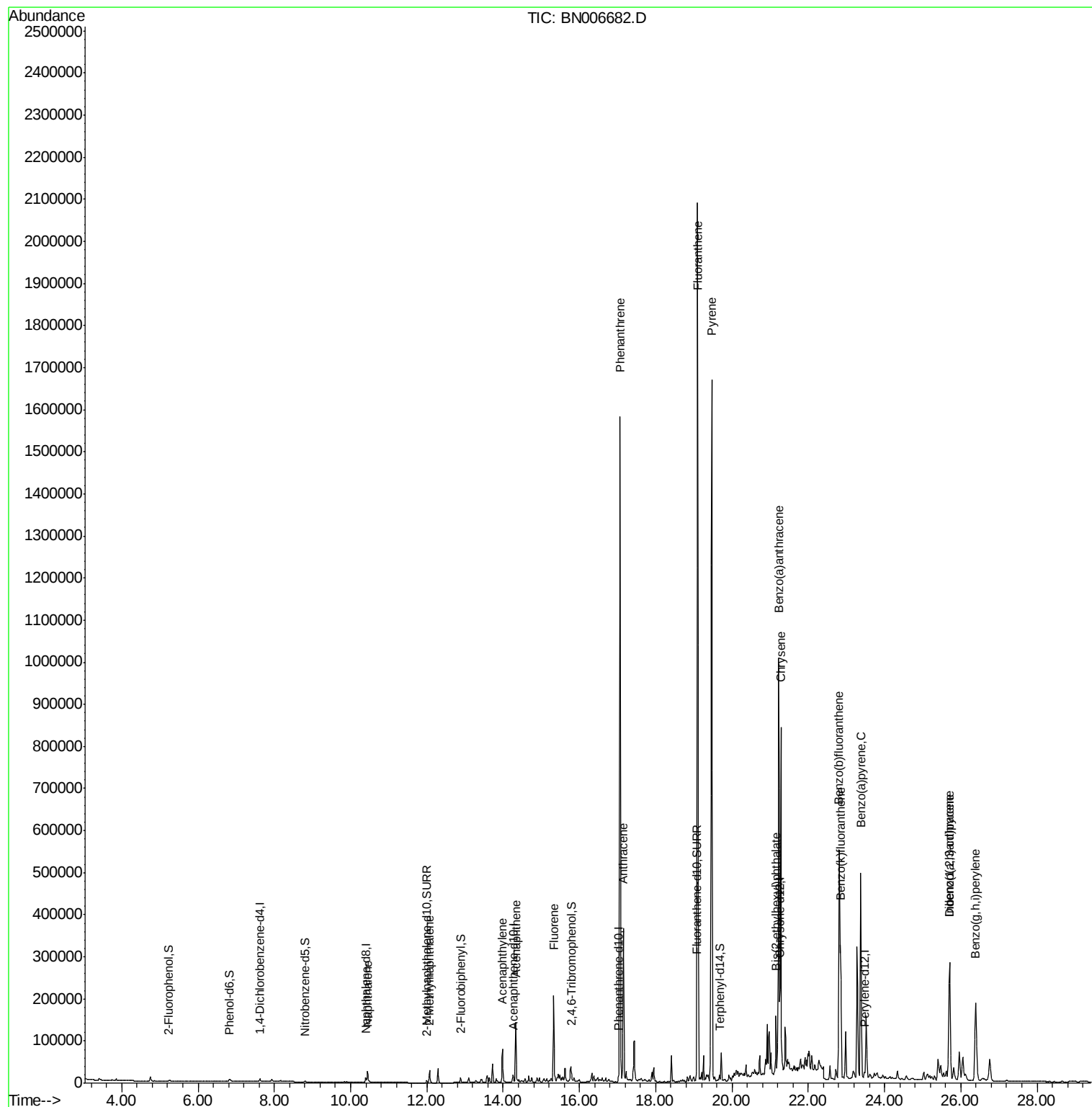
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
Data File : BN006682.D
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Misc :
ALS Vial : 30 Sample Multiplier: 1

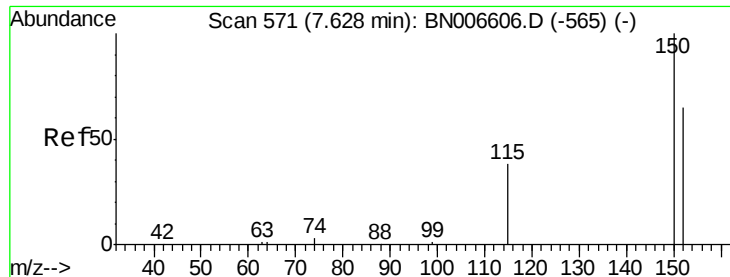
Instrument :
BNA_N
ClientSampleId :
PST-008-B036-061819

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#1

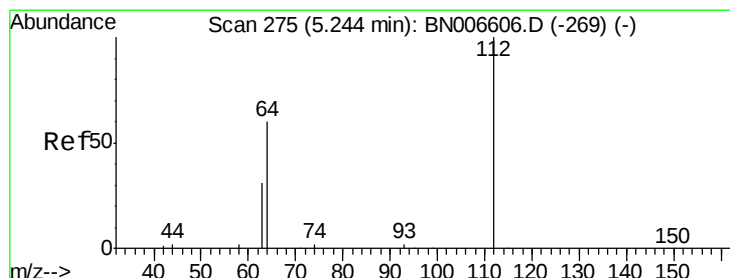
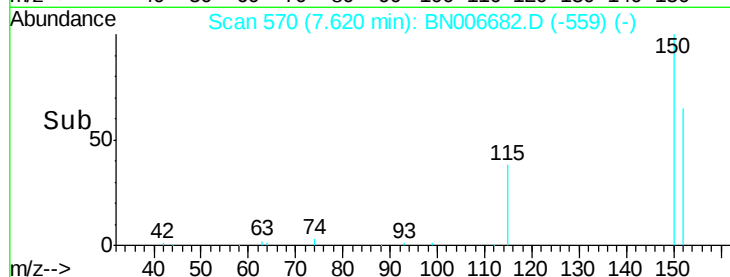
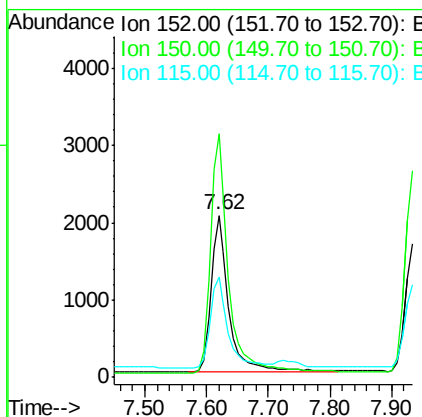
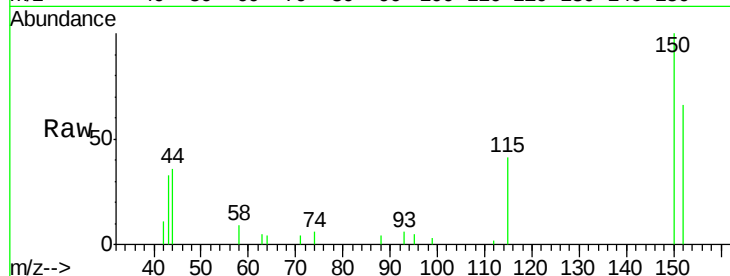
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006682.D
Acq: 02 Jul 2019 05:10

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.5	122.2	183.2
115	62.1	50.0	75.0

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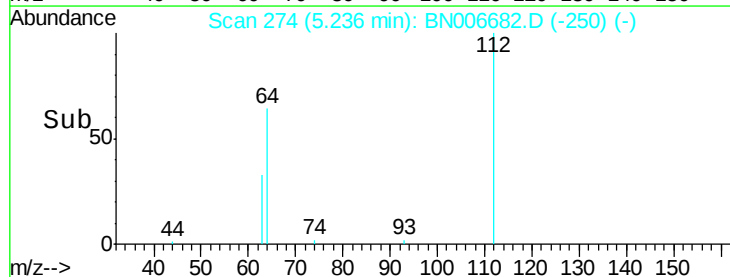
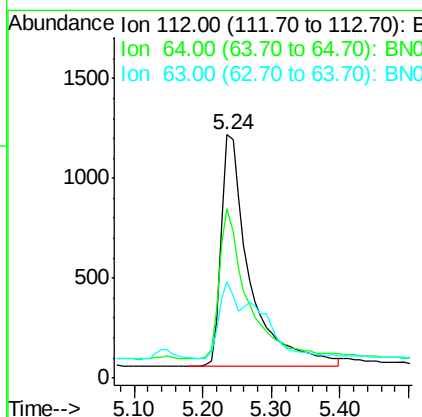
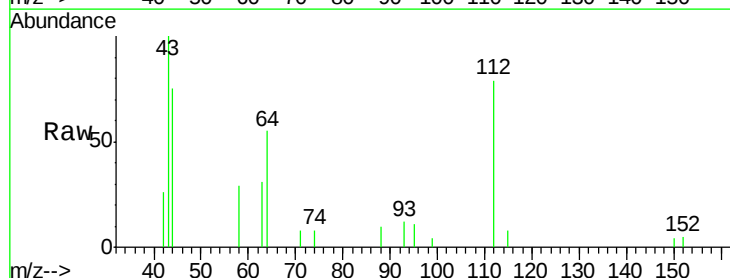
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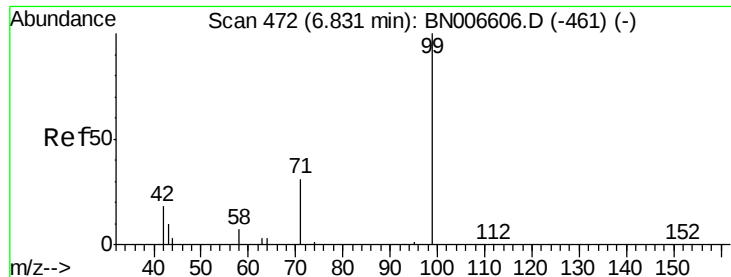


#4

2-Fluorophenol
Concen: 0.337 ng
RT: 5.24 min Scan# 274
Delta R.T. -0.01 min
Lab File: BN006682.D
Acq: 02 Jul 2019 05:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	48.9	73.3
63	23.7	24.3	36.5#





#5

Phenol-d6

Concen: 0.352 ng

RT: 6.81 min Scan# 470

Delta R.T. -0.02 min

Lab File: BN006682.D

Acq: 02 Jul 2019 05:10

Instrument :

BNA_N

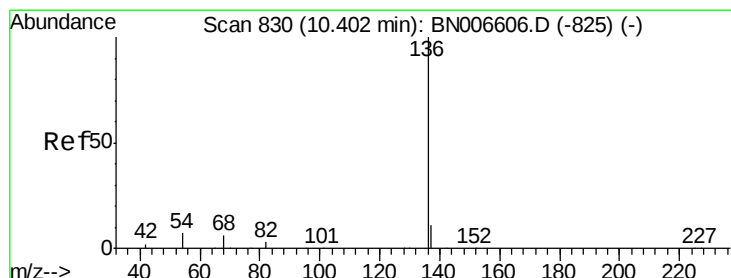
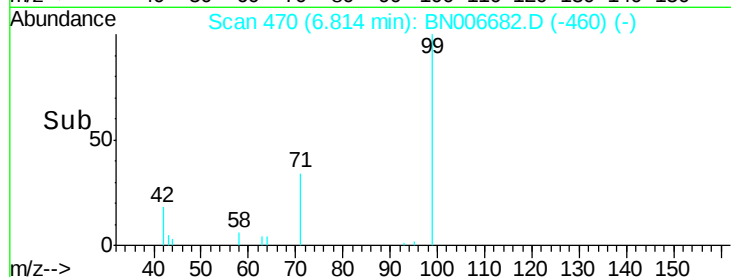
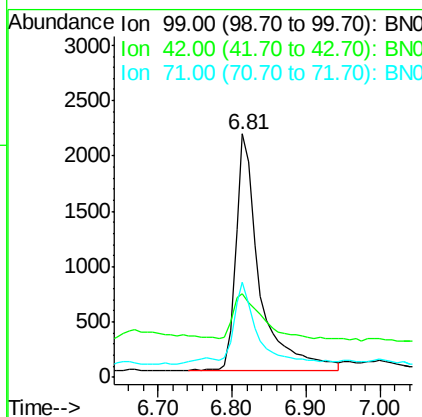
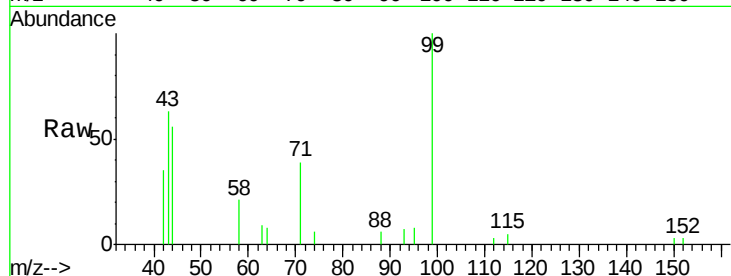
ClientSampleId :

PST-008-B036-061819

Tot Ion:	99	Resp:	4693
Ion Ratio	Lower	Upper	
99	100		
42	28.3	16.4	24.6#
71	29.5	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

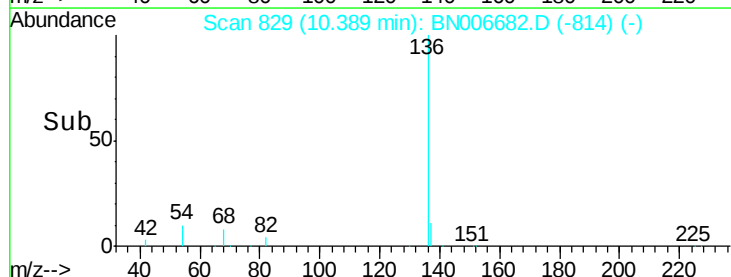
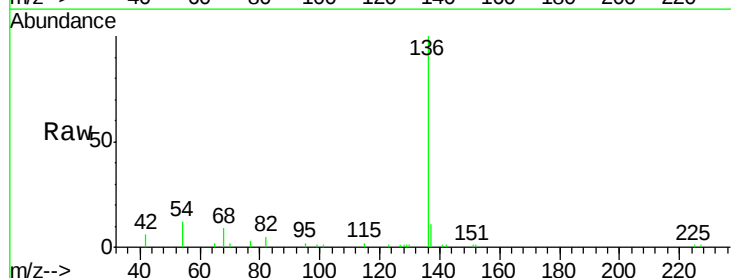
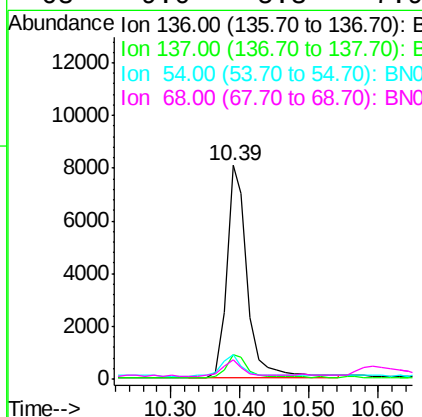
RT: 10.39 min Scan# 829

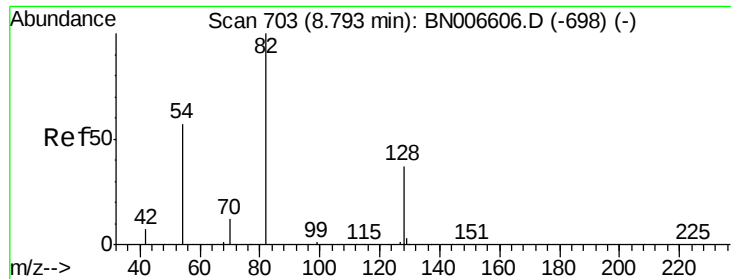
Delta R.T. -0.01 min

Lab File: BN006682.D

Acq: 02 Jul 2019 05:10

Tgt Ion:	136	Resp:	16694
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.3	13.9
54	11.5	6.7	10.1#
68	9.0	5.3	7.9#





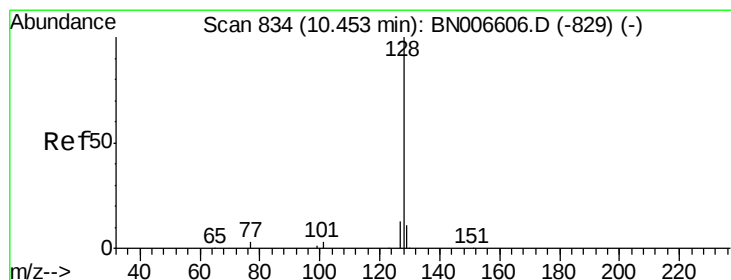
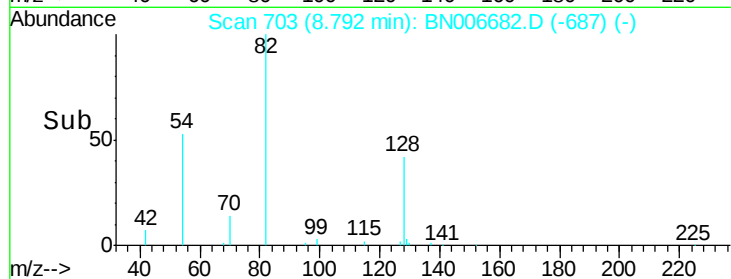
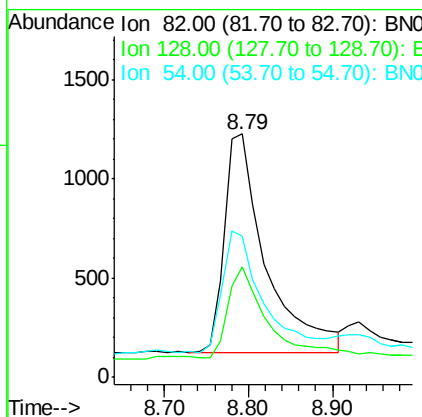
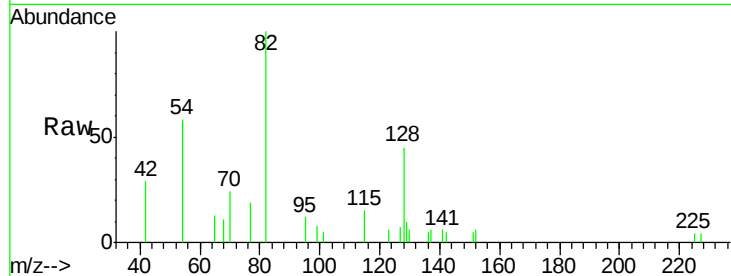
#8
Nitrobenzene-d5
Concen: 0.337 ng
RT: 8.79 min Scan# 703
Delta R.T. -0.00 min
Lab File: BN006682.D
Acq: 02 Jul 2019 05:10

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	32.6	49.0
54	58.0	48.2	72.4

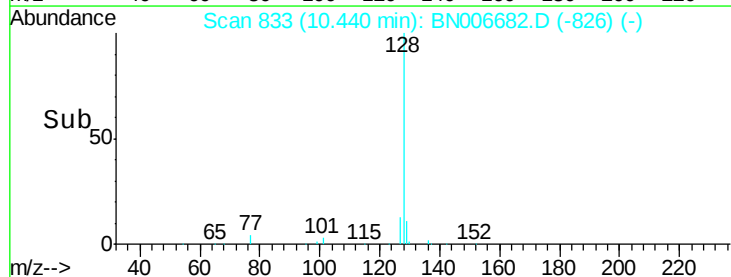
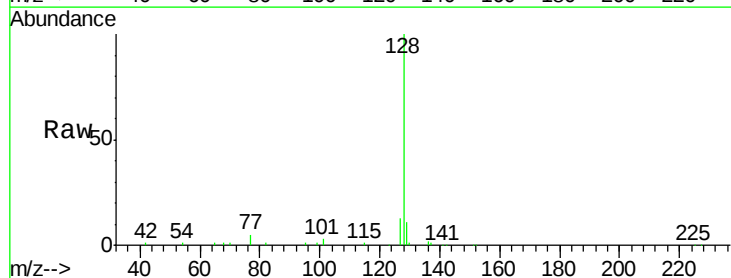
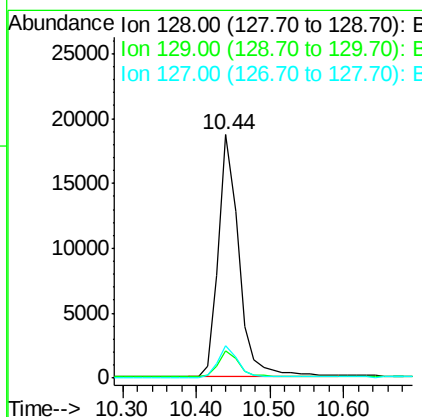
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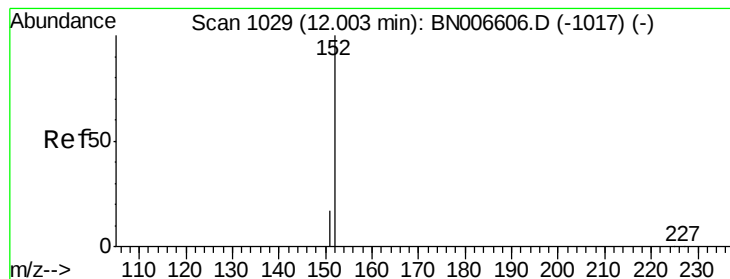
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#9
Naphthalene
Concen: 0.825 ng
RT: 10.44 min Scan# 833
Delta R.T. -0.01 min
Lab File: BN006682.D
Acq: 02 Jul 2019 05:10

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.3	13.9
127	13.5	10.8	16.2





#11

2-Methylnaphthalene-d10

Concen: 0.344 ng

RT: 11.99 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BN006682.D

Acq: 02 Jul 2019 05:10

Instrument :

BNA_N

ClientSampleId :

PST-008-B036-061819

Tot Ion:152 Resp: 9058

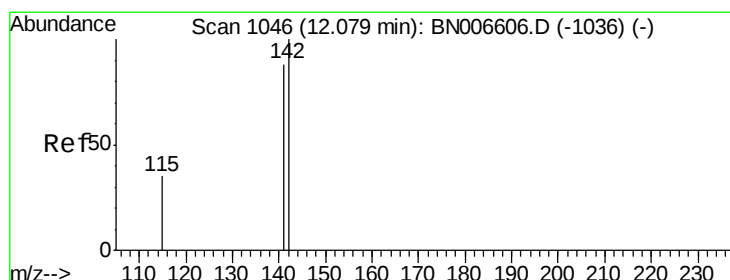
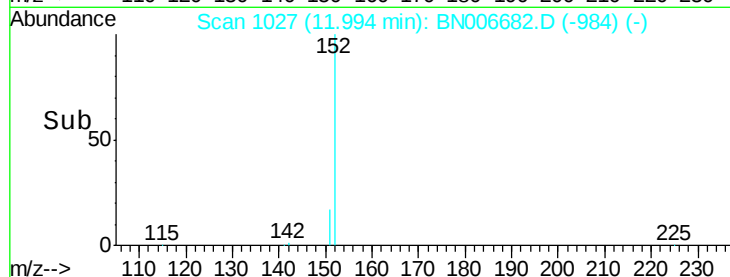
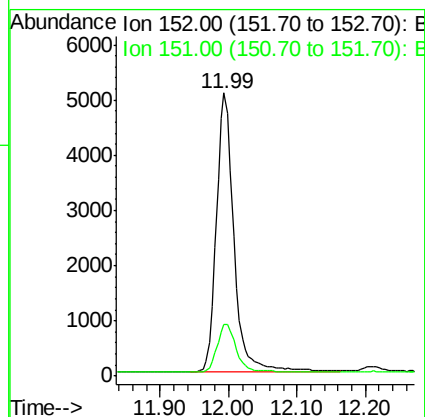
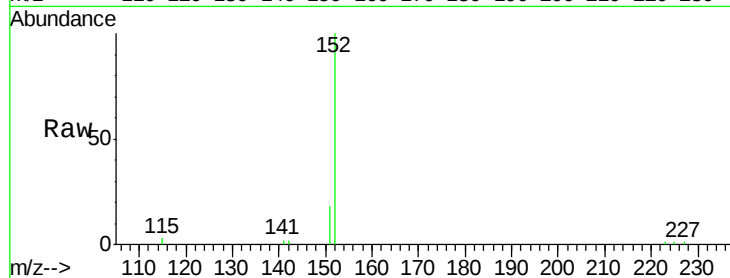
Ion Ratio Lower Upper

152 100

151 19.2 15.0 22.4

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#12

2-Methylnaphthalene

Concen: 0.804 ng

RT: 12.07 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BN006682.D

Acq: 02 Jul 2019 05:10

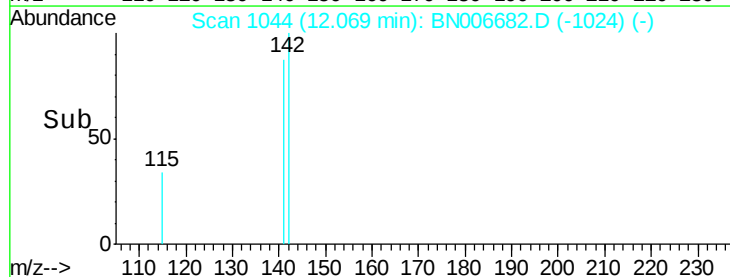
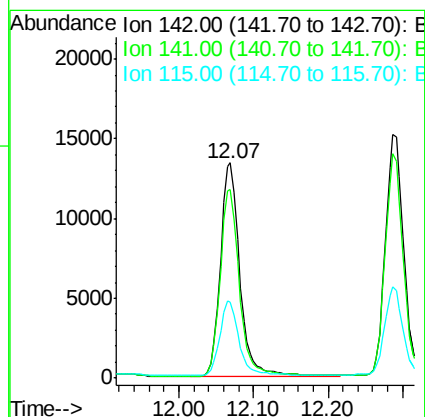
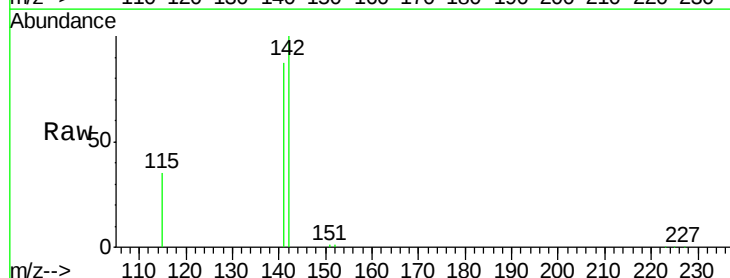
Tgt Ion:142 Resp: 24388

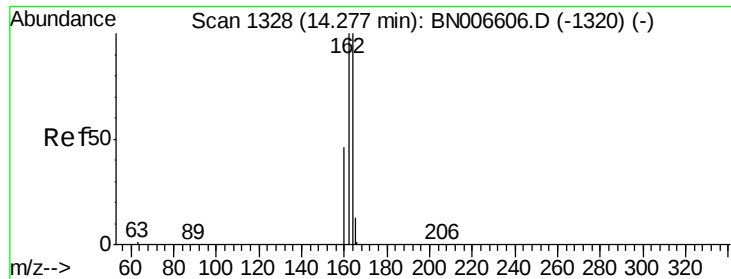
Ion Ratio Lower Upper

142 100

141 87.5 70.2 105.4

115 35.1 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: BN006682.D

Acq: 02 Jul 2019 05:10

Instrument :

BNA_N

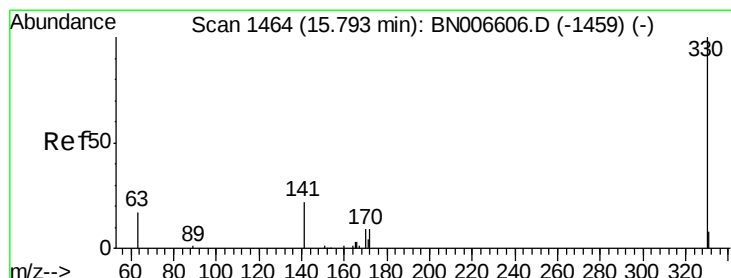
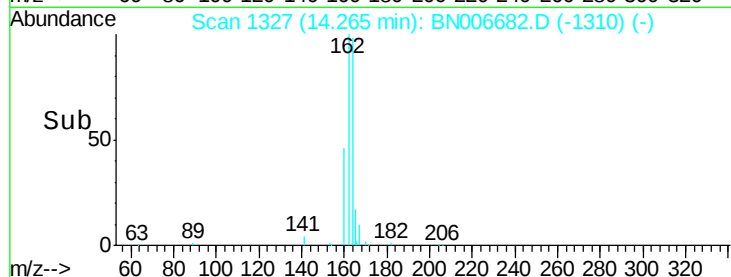
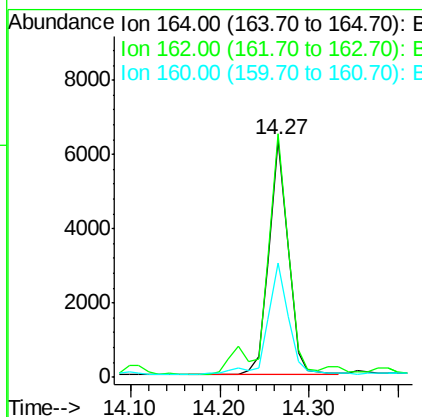
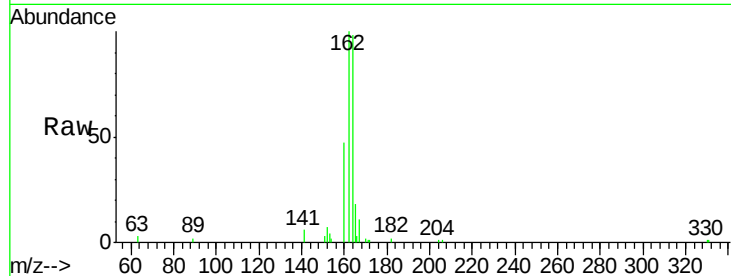
ClientSampleId :

PST-008-B036-061819

Tot Ion:164	Resp:	9487
Ion Ratio	Lower	Upper
164 100		
162 102.5	80.0	120.0
160 48.1	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.312 ng

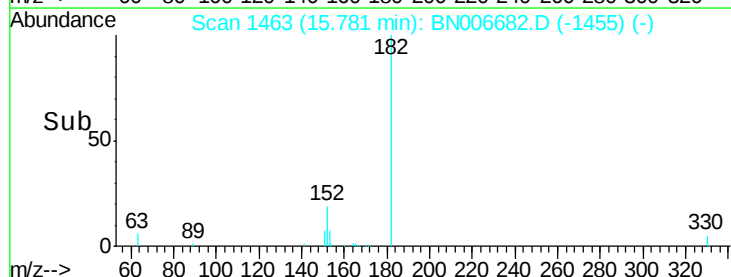
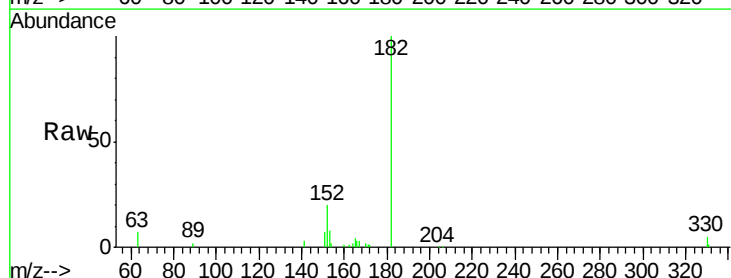
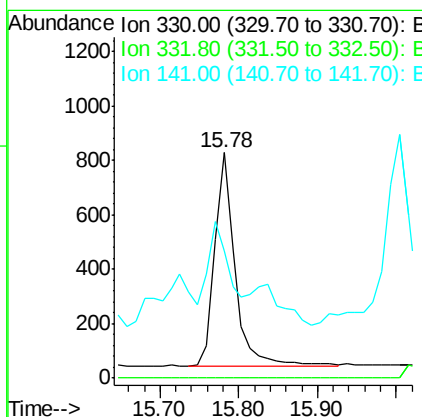
RT: 15.78 min Scan# 1463

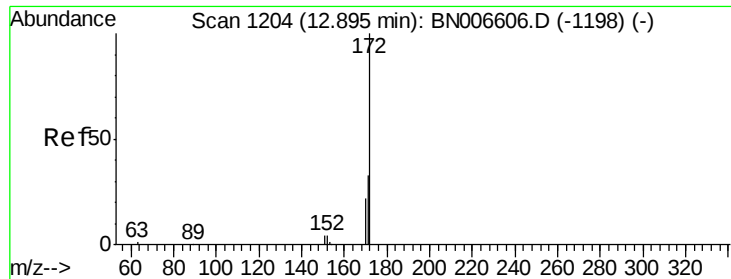
Delta R.T. -0.01 min

Lab File: BN006682.D

Acq: 02 Jul 2019 05:10

Tgt Ion:330	Resp:	1394
Ion Ratio	Lower	Upper
330 100		
332 0.0	0.0	0.0
141 33.7	26.5	39.7





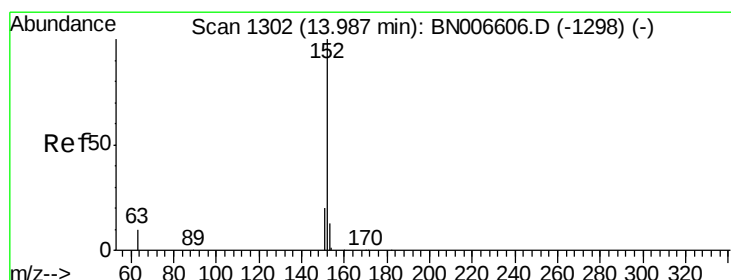
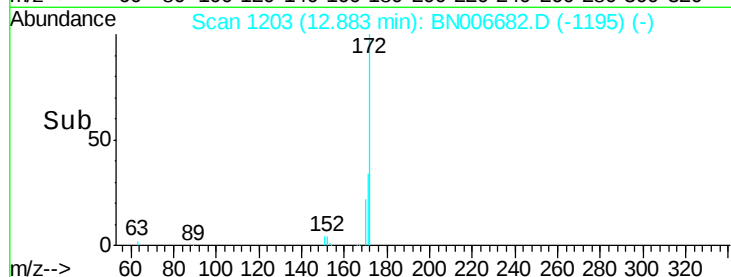
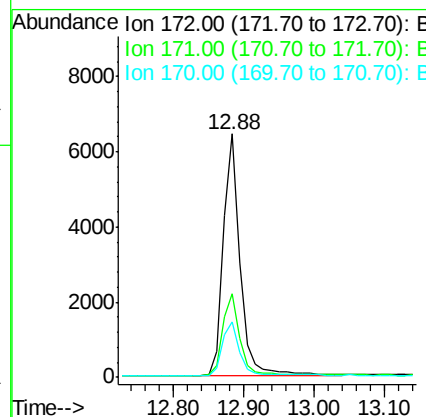
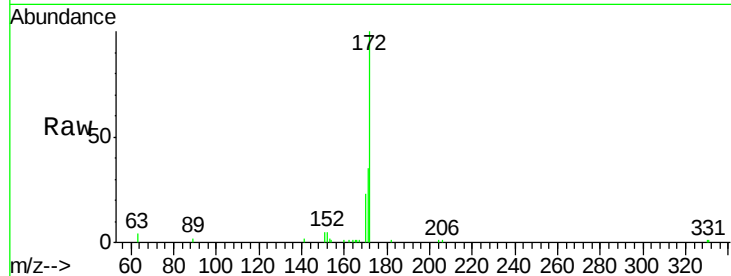
#15
2-Fluorobiphenyl
Concen: 0.309 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006682.D
Acq: 02 Jul 2019 05:10

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.0	40.4
170	23.0	17.7	26.5

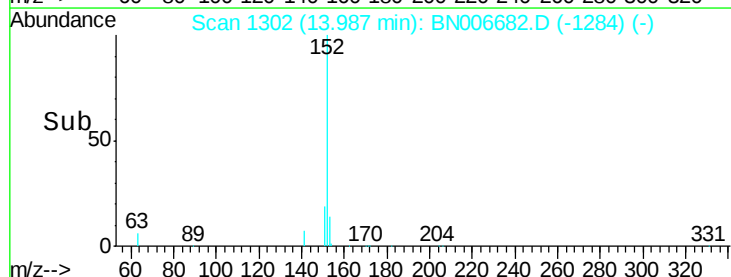
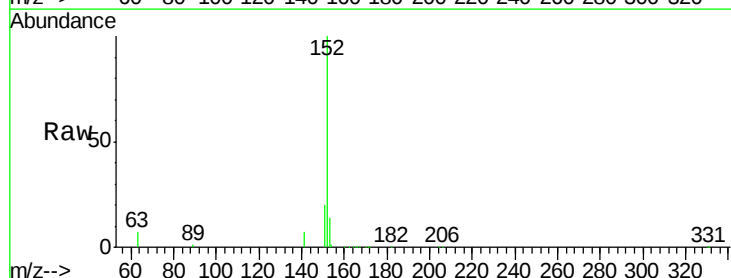
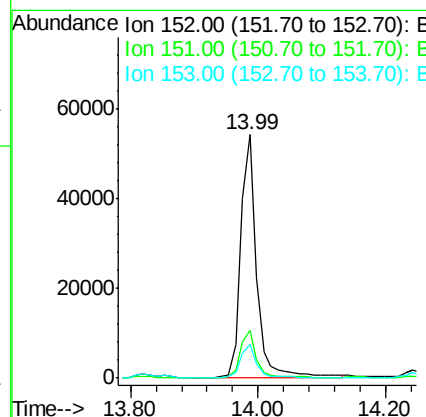
Manual Integrations
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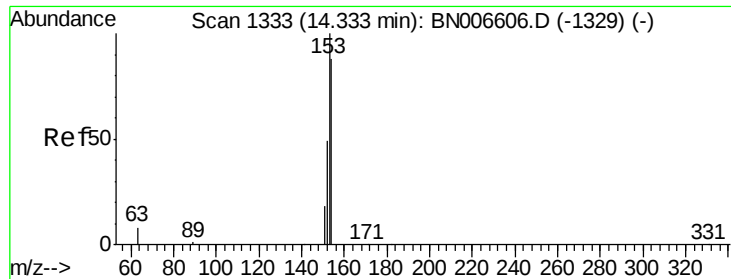
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#16
Acenaphthylene
Concen: 2.063 ng
RT: 13.99 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BN006682.D
Acq: 02 Jul 2019 05:10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.6	23.4
153	13.6	10.5	15.7





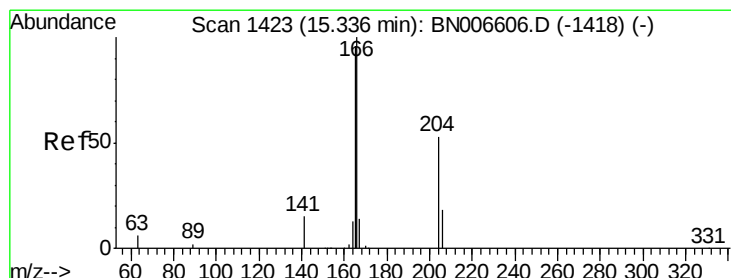
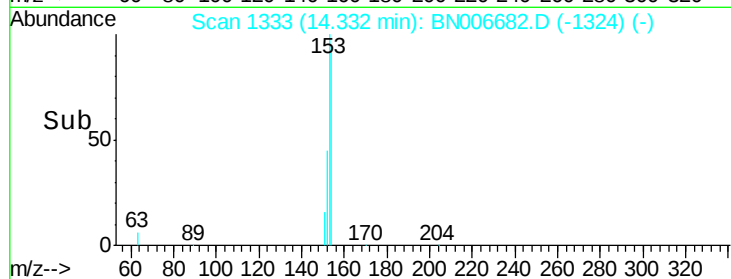
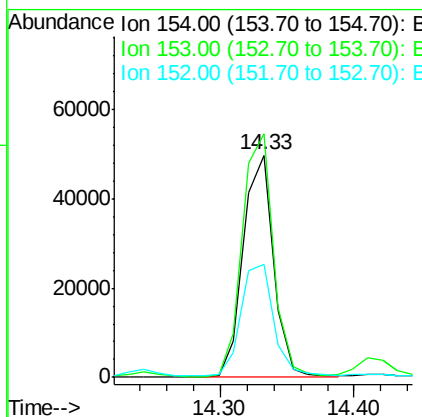
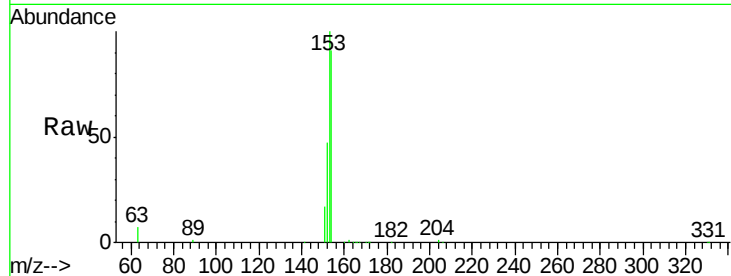
#17
Acenaphthene
Concen: 2.625 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BN006682.D
Acq: 02 Jul 2019 05:10

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

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.2	135.4
152	54.0	44.2	66.4

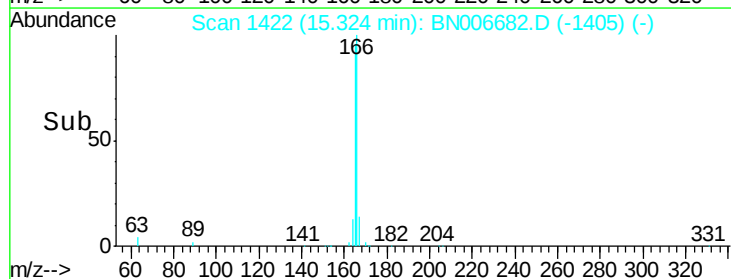
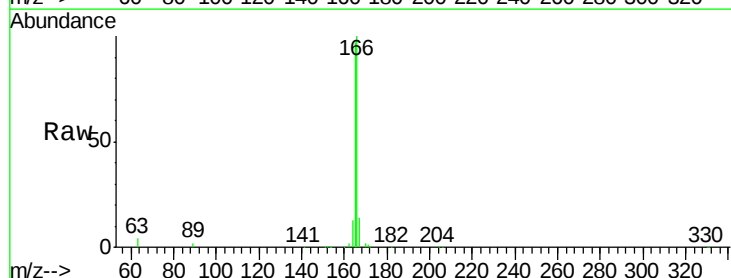
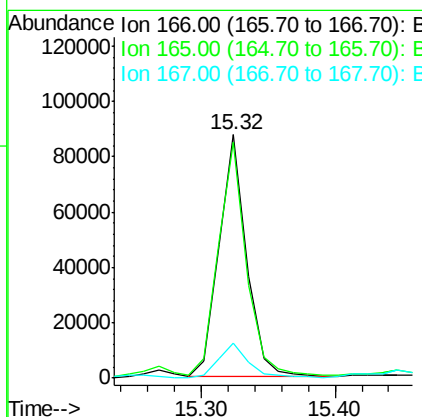
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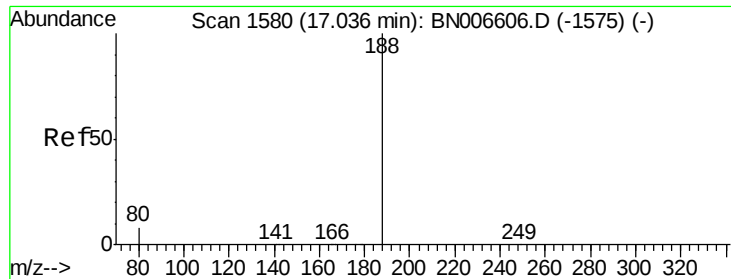
mohammad
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#18
Fluorene
Concen: 3.330 ng
RT: 15.32 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BN006682.D
Acq: 02 Jul 2019 05:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.4	117.6
167	15.3	10.8	16.2





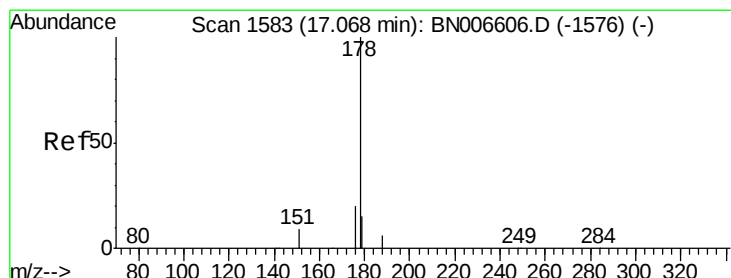
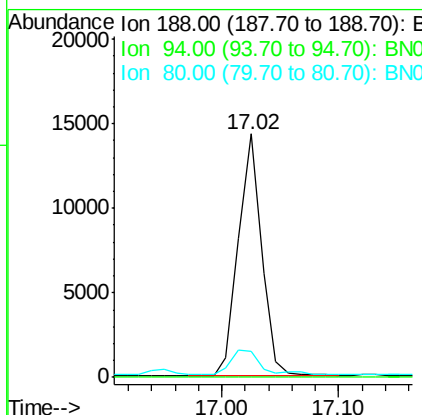
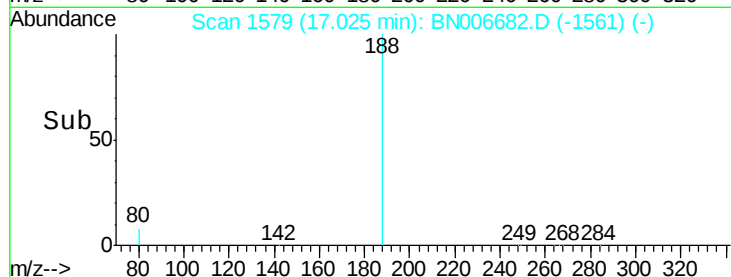
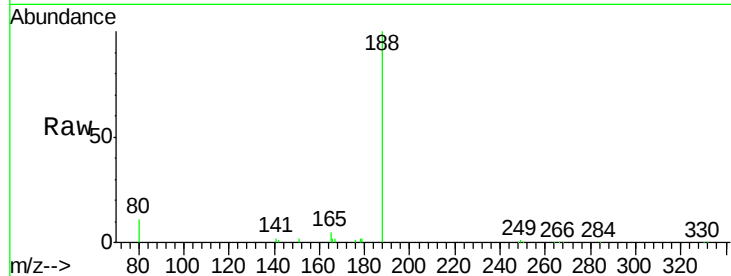
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.02 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BN006682.D
Acq: 02 Jul 2019 05:10

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	19641		
94	0.0	0.0	0.0	
80	10.8	7.1	10.7	

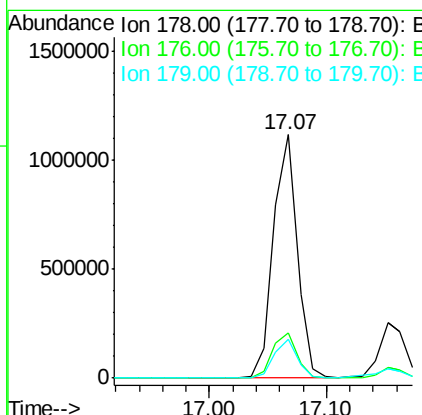
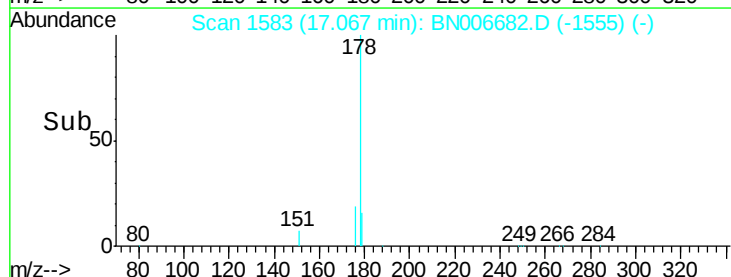
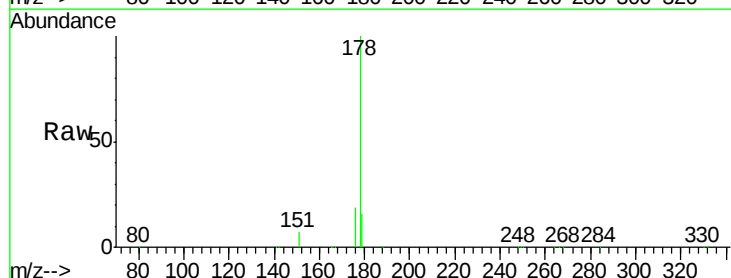
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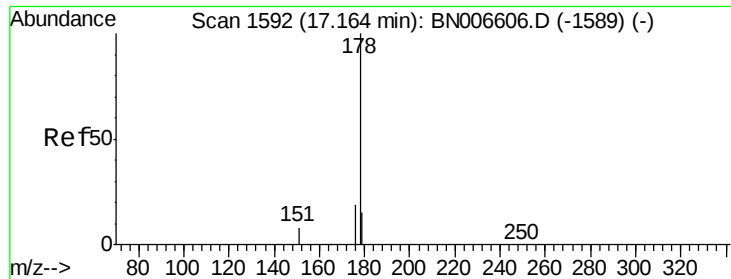
mohammad
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#23
Phenanthrene
Concen: 28.447 ng
RT: 17.07 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BN006682.D
Acq: 02 Jul 2019 05:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1588729		
176	19.1	15.3	22.9	
179	15.6	12.2	18.4	





#24

Anthracene

Concen: 7.797 ng

RT: 17.15 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BN006682.D

Acq: 02 Jul 2019 05:10

Instrument :

BNA_N

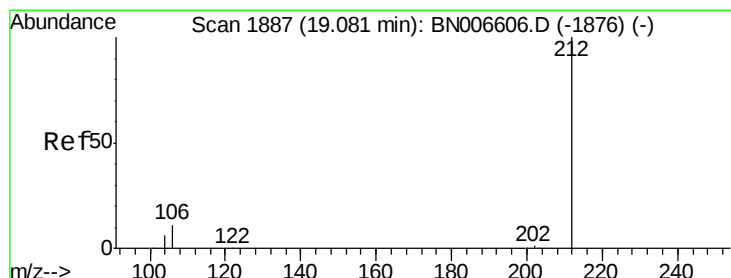
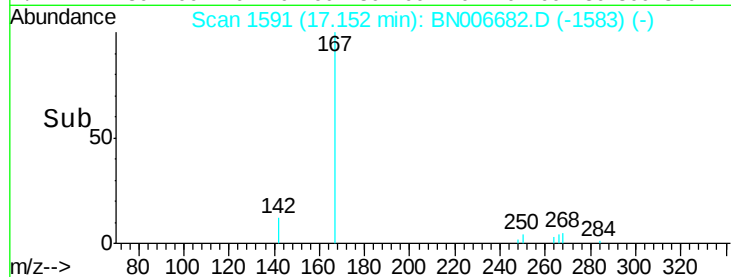
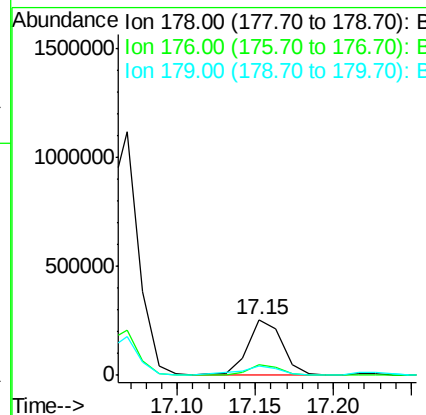
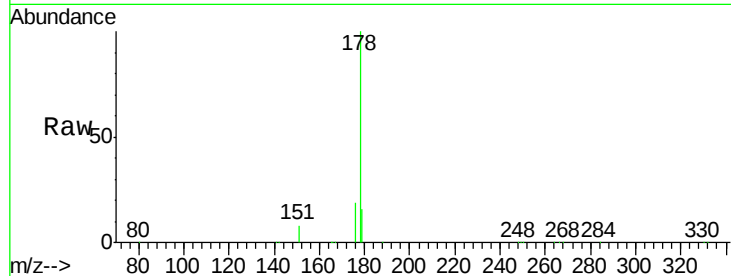
ClientSampleId :

PST-008-B036-061819

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.4
179	19.5	12.2	18.2

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#25

Fluoranthene-d10

Concen: 0.345 ng

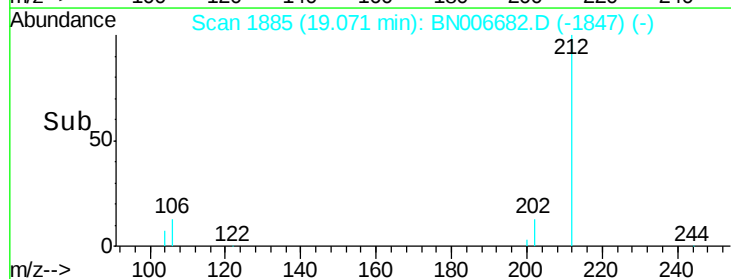
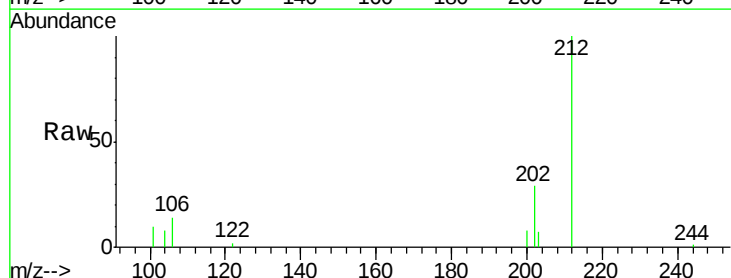
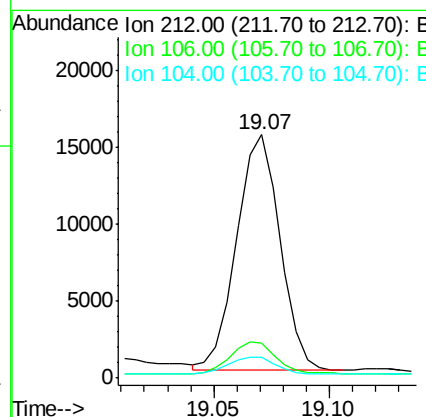
RT: 19.07 min Scan# 1885

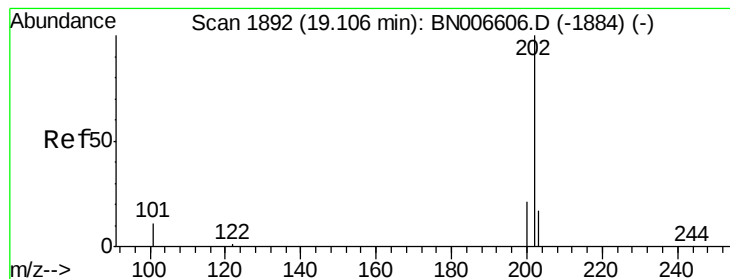
Delta R.T. -0.01 min

Lab File: BN006682.D

Acq: 02 Jul 2019 05:10

Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.2	10.6	15.8
104	8.7	5.8	8.6





#26

Fluoranthene

Concen: 27.387 ng

RT: 19.10 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BN006682.D

Acq: 02 Jul 2019 05:10

Instrument :

BNA_N

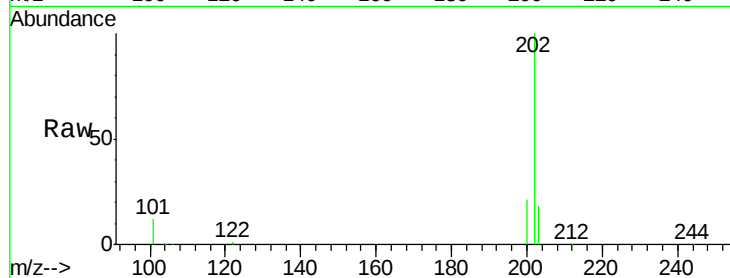
ClientSampleId :

PST-008-B036-061819

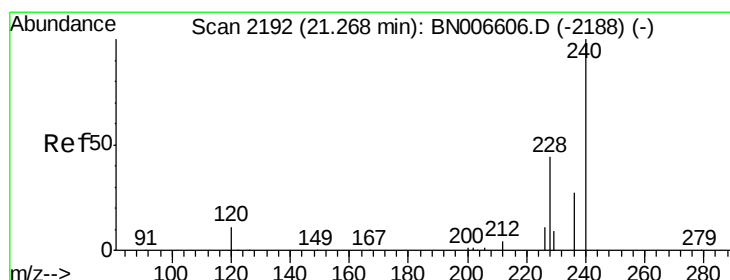
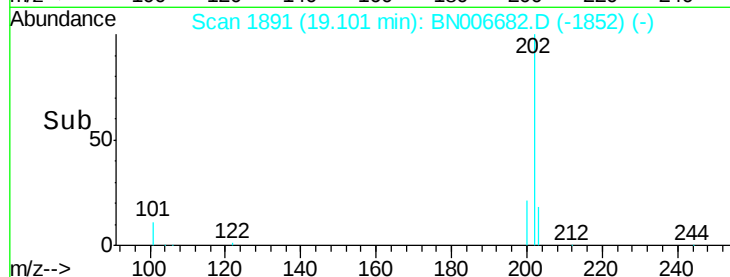
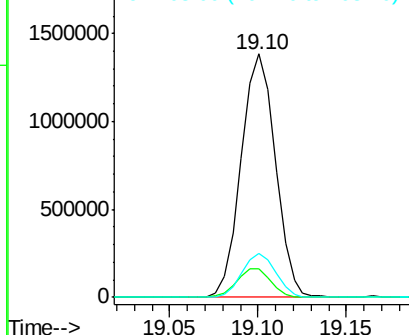
Tot Ion:	202	Resp:	1858850
Ion	Ratio	Lower	Upper
202	100		
101	11.9	8.9	13.3
203	17.9	13.6	20.4

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Abundance Ion 202.00 (201.70 to 202.70): E
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

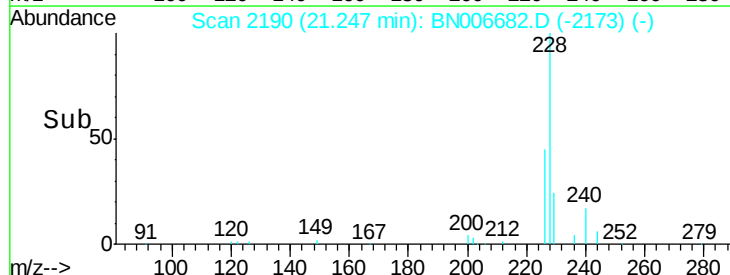
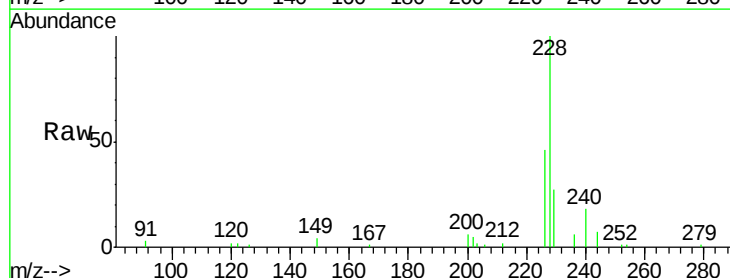
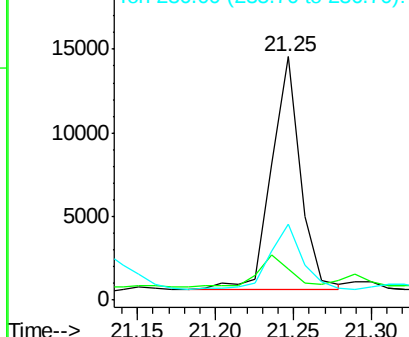
Delta R.T. -0.02 min

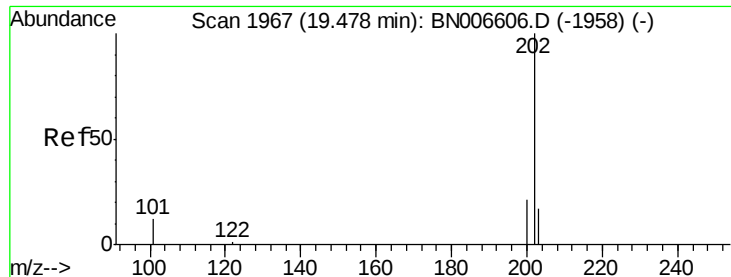
Lab File: BN006682.D

Acq: 02 Jul 2019 05:10

Tgt Ion:	240	Resp:	17983
Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.9	14.9
236	31.2	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





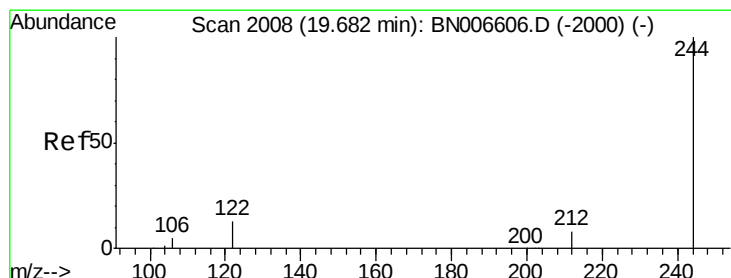
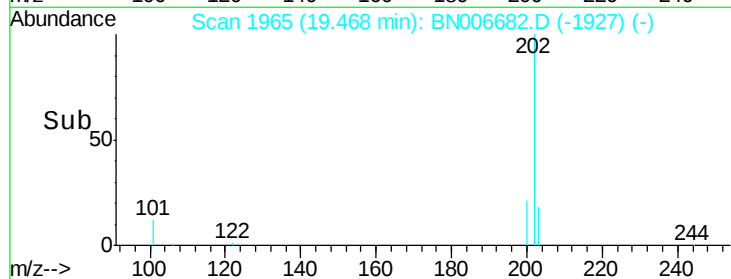
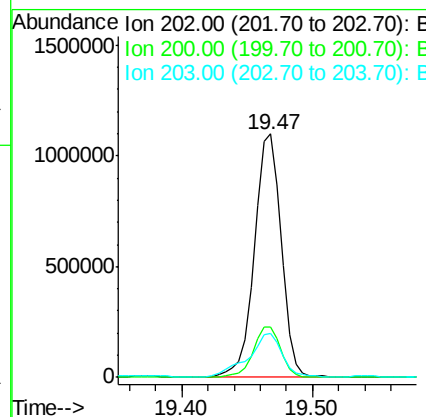
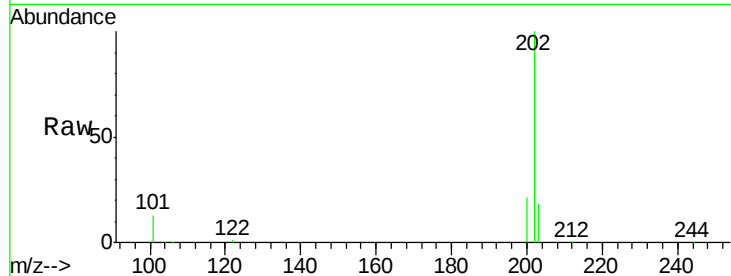
#28
Pvrene
Concen: 25.228 ng
RT: 19.47 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BN006682.D
Acq: 02 Jul 2019 05:10

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

Tot Ion:202 Resp: 1587456
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 22.5 14.1 21.1#

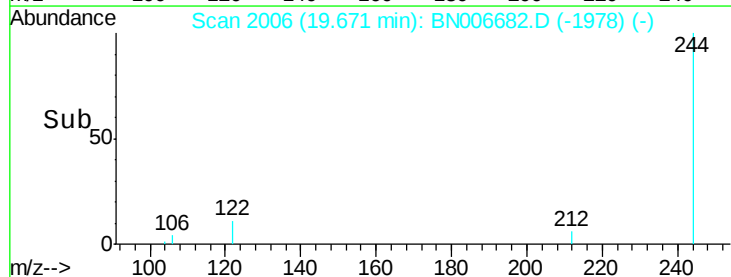
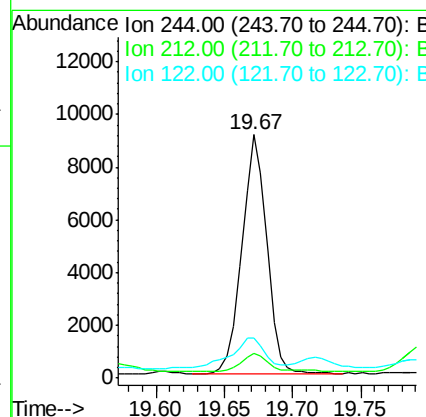
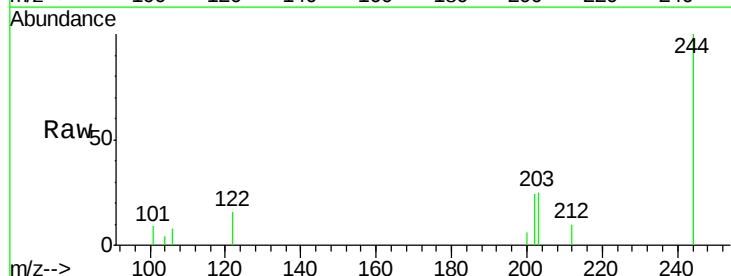
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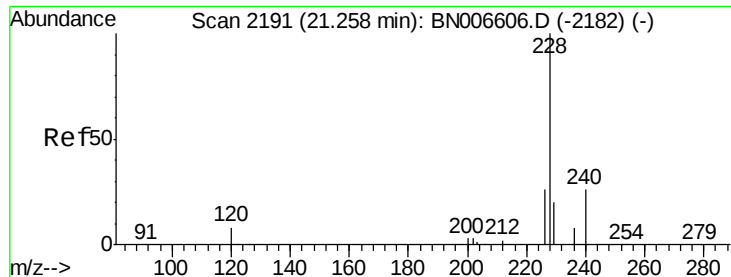
mohammad
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#29
Terphenyl-d14
Concen: 0.303 ng
RT: 19.67 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BN006682.D
Acq: 02 Jul 2019 05:10

Tgt Ion:244 Resp: 11423
Ion Ratio Lower Upper
244 100
212 10.2 6.7 10.1#
122 16.3 11.0 16.6





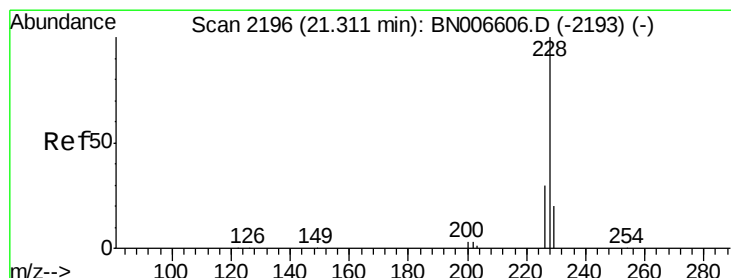
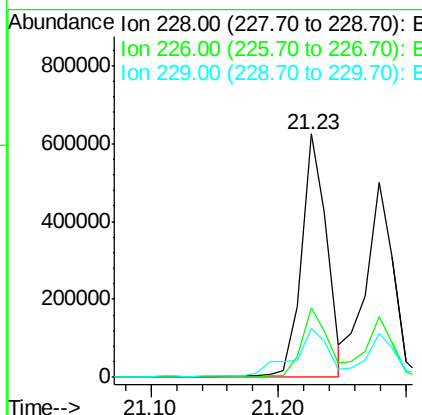
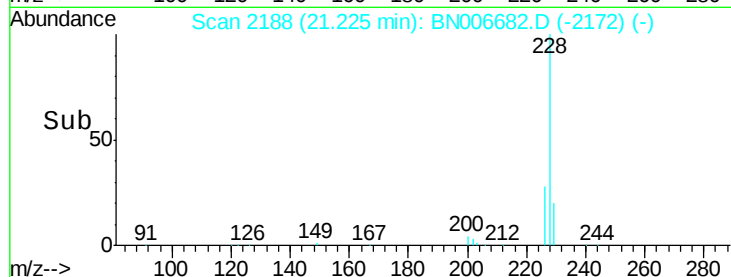
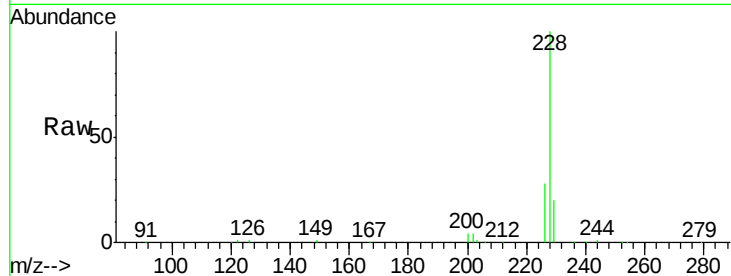
#30
Benzo(a)anthracene
Concen: 14.503 ng
RT: 21.23 min Scan# 2188
Delta R.T. -0.03 min
Lab File: BN006682.D
Acq: 02 Jul 2019 05:10

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.2	31.8
229	20.2	16.1	24.1

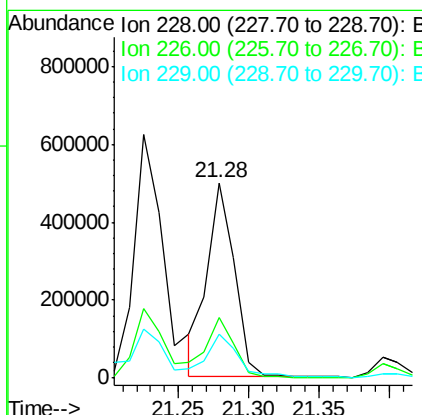
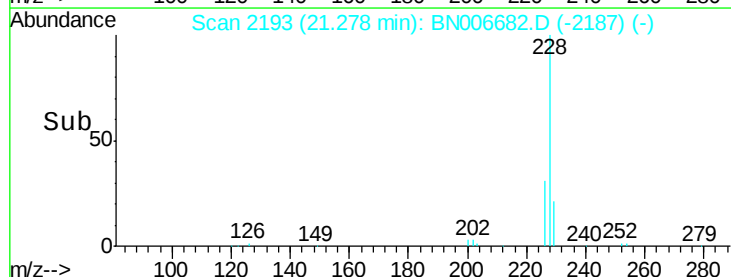
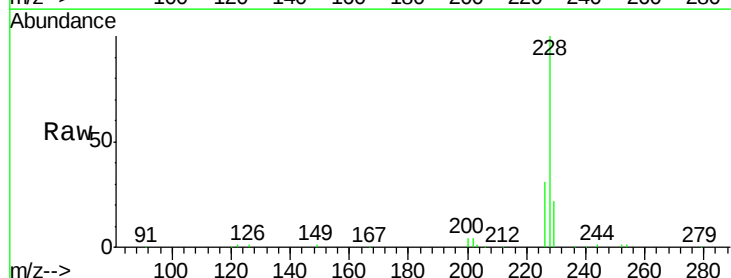
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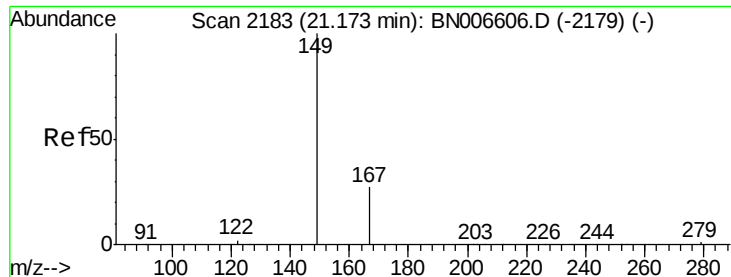
mohammad
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#31
Chrysene
Concen: 10.661 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.03 min
Lab File: BN006682.D
Acq: 02 Jul 2019 05:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.8	35.6
229	22.2	15.9	23.9





#32

Bis(2-ethylhexyl)phthalate

Concen: 3.647 ng

RT: 21.15 min Scan# 2181

Delta R.T. -0.02 min

Lab File: BN006682.D

Acq: 02 Jul 2019 05:10

Instrument :

BNA_N

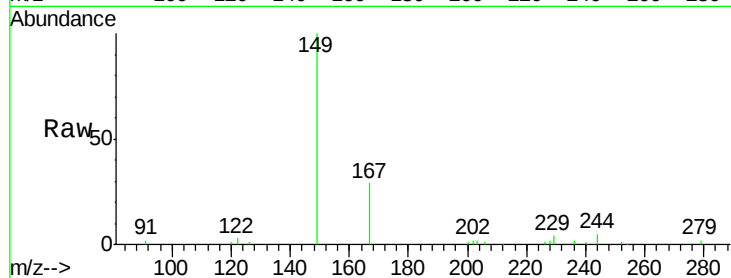
ClientSampleId :

PST-008-B036-061819

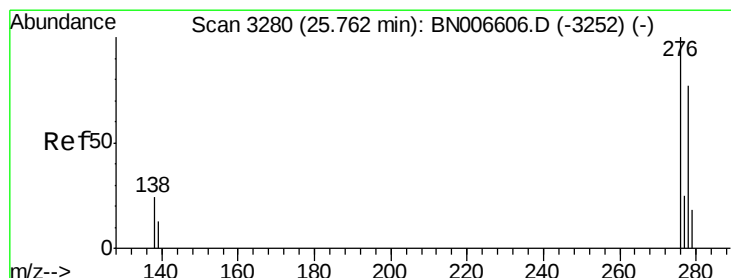
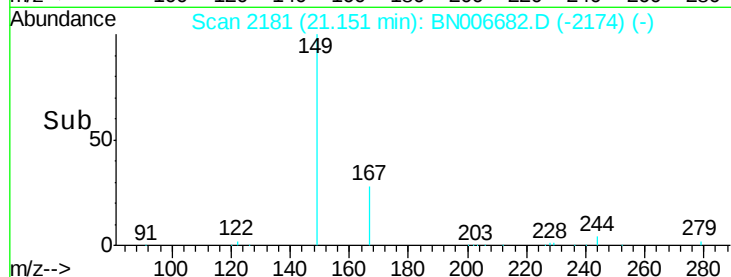
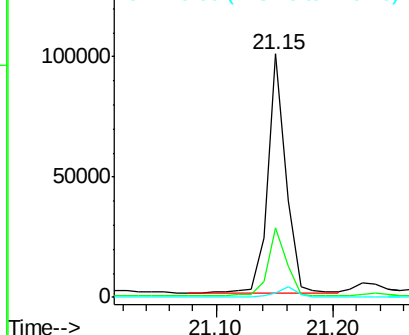
Tot Ion:	149	Resp:	107912
Ion Ratio	Lower	Upper	
149	100		
167	27.9	22.9	34.3
279	3.9	3.3	4.9

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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: 6.570 ng

RT: 25.70 min Scan# 3263

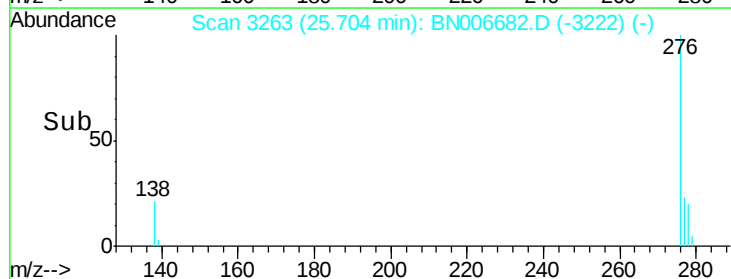
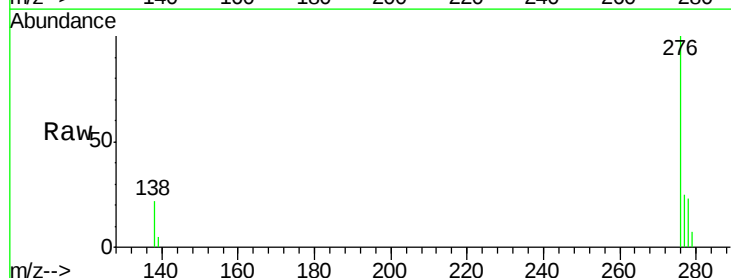
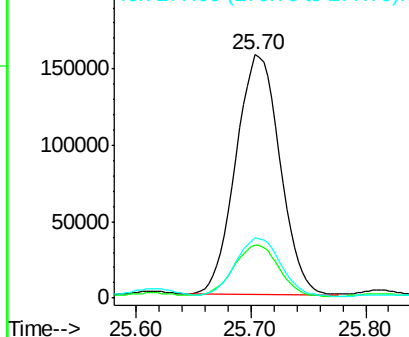
Delta R.T. -0.06 min

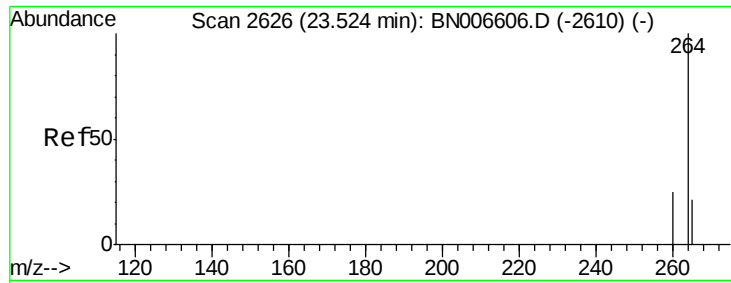
Lab File: BN006682.D

Acq: 02 Jul 2019 05:10

Tgt Ion:	276	Resp:	421498
Ion Ratio	Lower	Upper	
276	100		
138	21.7	19.3	28.9
277	24.6	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





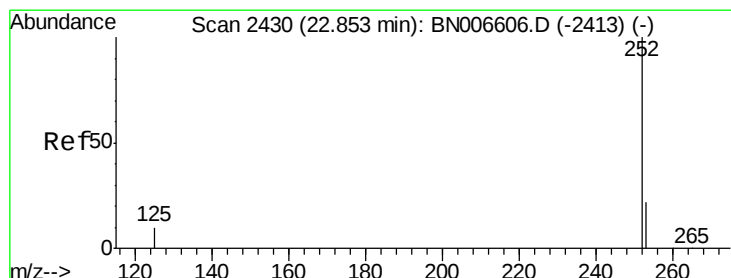
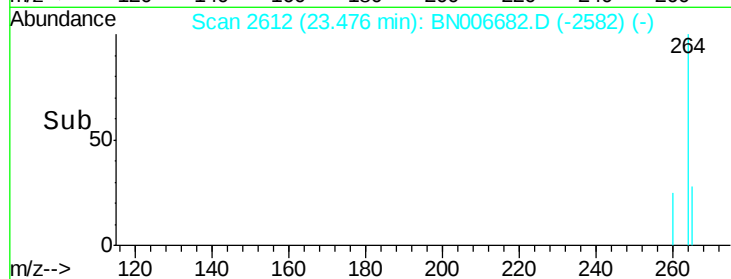
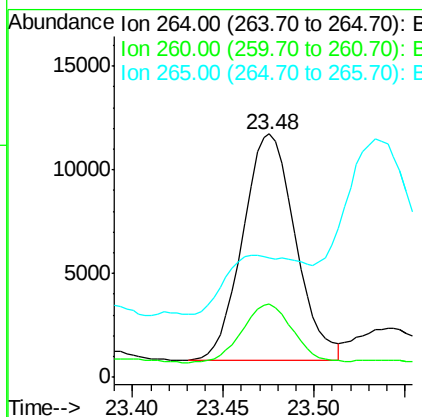
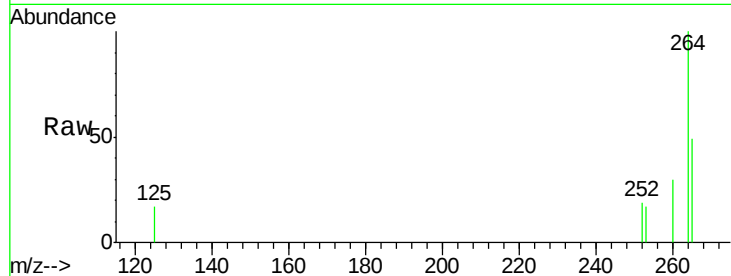
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.48 min Scan# 2612
 Delta R.T. -0.05 min
 Lab File: BN006682.D
 Acq: 02 Jul 2019 05:10

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	29.9	20.2	30.2
265	49.0	23.3	34.9

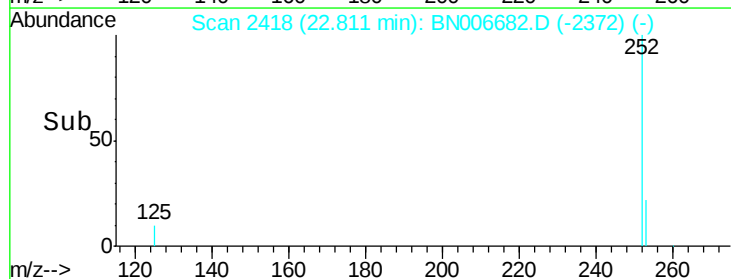
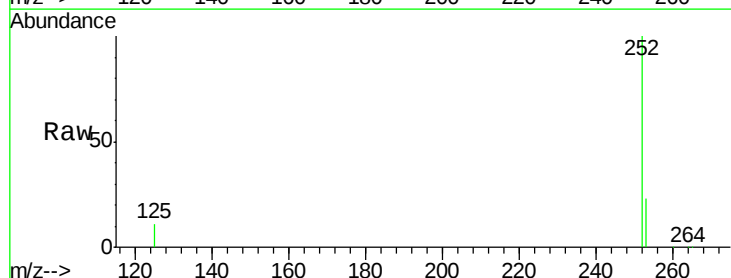
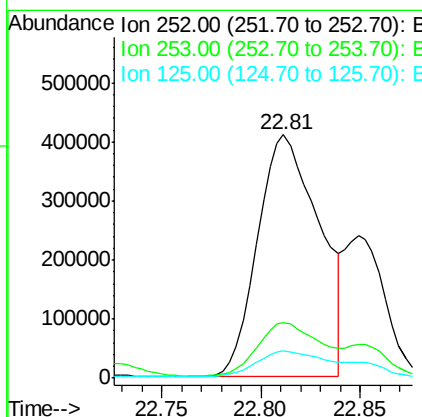
Manual Integrations
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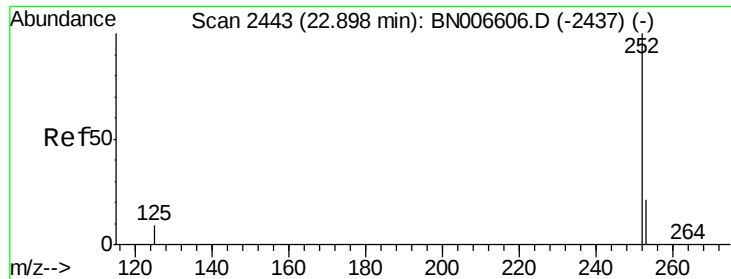
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 11.931 ng
 RT: 22.81 min Scan# 2418
 Delta R.T. -0.04 min
 Lab File: BN006682.D
 Acq: 02 Jul 2019 05:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	11.0	8.7	13.1





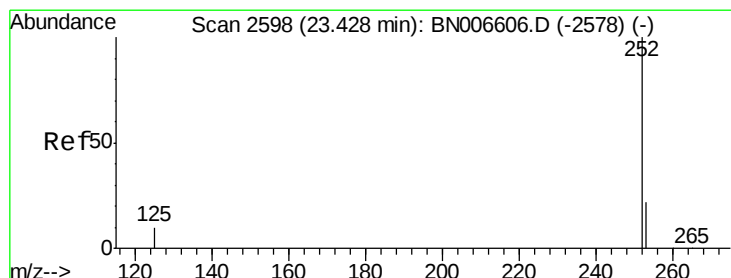
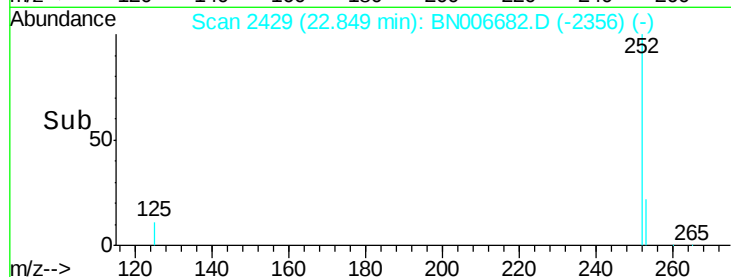
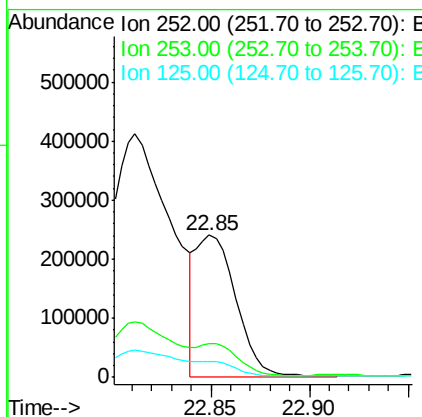
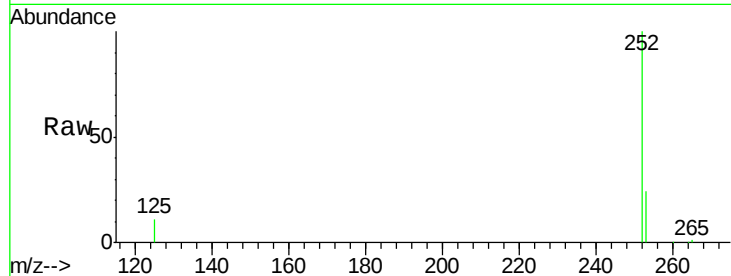
#36
Benzo(k)fluoranthene
Concen: 4.390 ng m
RT: 22.85 min Scan# 2429
Delta R.T. -0.05 min
Lab File: BN006682.D
Acq: 02 Jul 2019 05:10

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.3	27.5
125	11.4	8.4	12.6

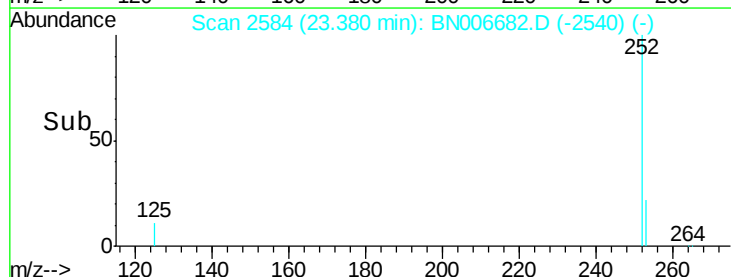
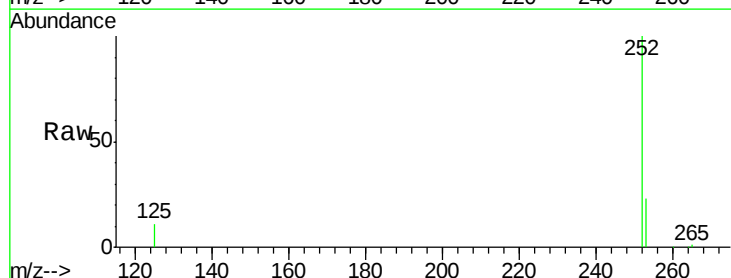
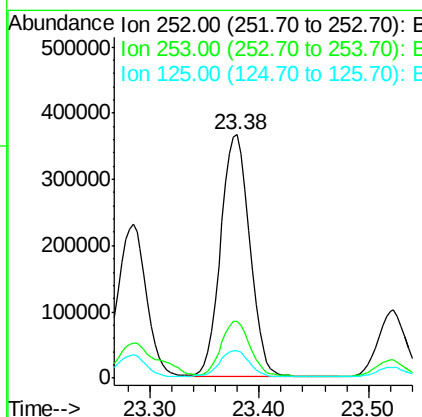
Manual Integrations
APPROVED

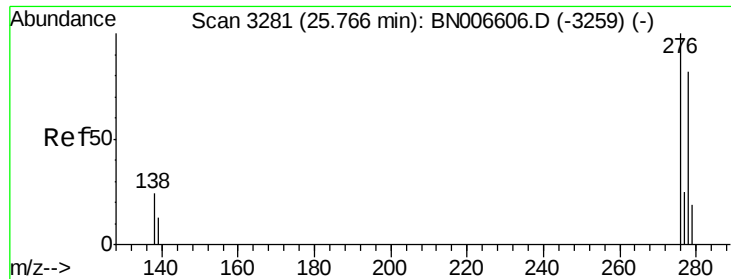
mohammad
7/2/2019 2:53:00 PM



#37
Benzo(a)pyrene
Concen: 9.674 ng
RT: 23.38 min Scan# 2584
Delta R.T. -0.05 min
Lab File: BN006682.D
Acq: 02 Jul 2019 05:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.8	28.2
125	11.4	9.4	14.2





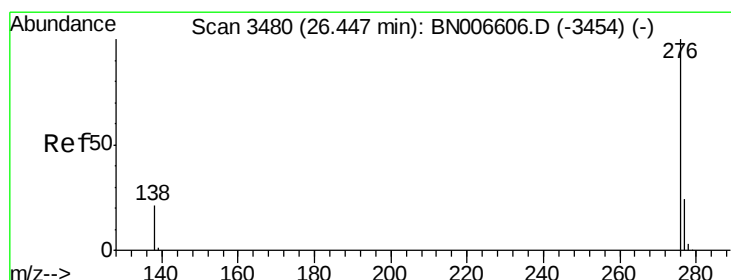
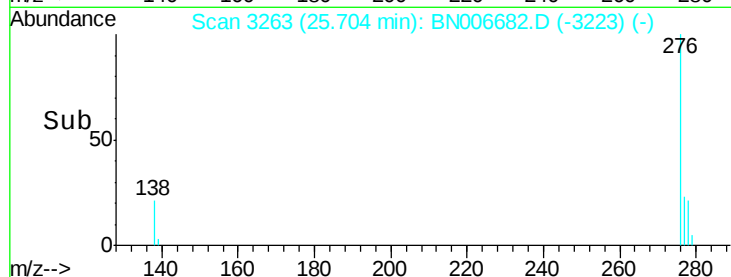
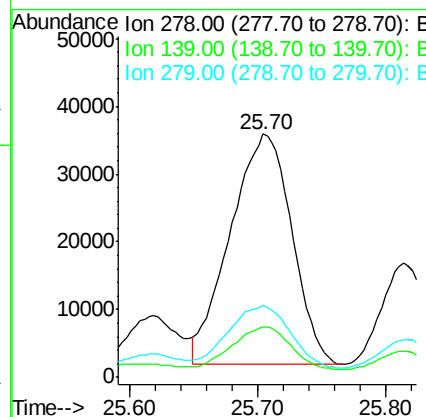
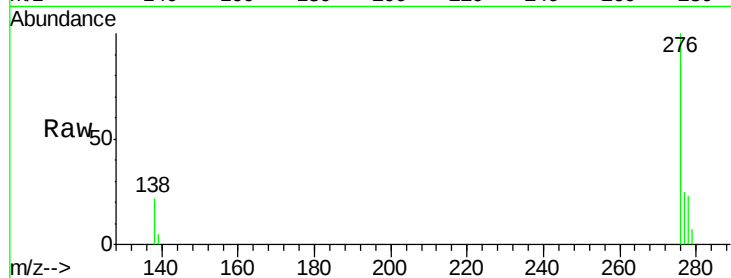
#38
Dibenzo(a,h)anthracene
Concen: 1.863 ng
RT: 25.70 min Scan# 3263
Delta R.T. -0.06 min
Lab File: BN006682.D
Acq: 02 Jul 2019 05:10

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.7	13.5	20.3#
279	29.5	19.4	29.2#

Manual Integrations
APPROVED

mohammad
7/2/2019 2:53:00 PM



#39
Benzo(g,h,i)perylene
Concen: 6.321 ng
RT: 26.39 min Scan# 3464
Delta R.T. -0.06 min
Lab File: BN006682.D
Acq: 02 Jul 2019 05:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.6	29.4
138	22.4	17.7	26.5

