

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081619\
 Data File : BN007225.D
 Acq On : 16 Aug 2019 16:25
 Operator : HP/JU
 Sample : K4282-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B249-080819

Manual Integrations
 APPROVED

mohammad
 8/20/2019 8:43:18 AM

Quant Time: Aug 17 01:44:17 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 12:12:02 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	7477	0.40	ng	-0.02
6) Naphthalene-d8	10.17	136	28427	0.40	ng	-0.01
12) Acenaphthene-d10	14.07	164	17194	0.40	ng	-0.01
18) Phenanthrene-d10	16.81	188	39192	0.40	ng	-0.01
26) Chrysene-d12	21.03	240	39891	0.40	ng	-0.02
32) Perylene-d12	23.15	264	43628	0.40	ng	-0.02

System Monitoring Compounds

3) 2-Fluorophenol	5.05	112	4488	0.25	ng	0.00
4) Phenol-d6	6.61	99	6168	0.28	ng	0.00
7) Nitrobenzene-d5	8.55	82	7049	0.31	ng	-0.01
10) 2-Methylnaphthalene-d10	11.78	152	12013	0.23	ng	-0.02
13) 2,4,6-Tribromophenol	15.56	330	1779	0.19	ng	-0.01
14) 2-Fluorobiphenyl	12.71	172	700	0.03	ng	0.00
24) Fluoranthene-d10	18.86	212	30287	0.22	ng	-0.01
28) Terphenyl-d14	19.48	244	22762	0.21	ng	-0.02

Target Compounds

						Qvalue
8) Naphthalene	10.23	128	19280	0.242	ng	99
11) 2-Methylnaphthalene	11.85	142	16265	0.288	ng	97
15) Acenaphthylene	13.78	152	89603	0.997	ng	98
16) Acenaphthene	14.13	154	6981	0.121	ng	# 88
17) Fluorene	15.12	166	20059	0.233	ng	# 74
22) Phenanthrene	16.86	178	462368	3.937	ng	99
23) Anthracene	16.95	178	72948	0.680	ng	98
25) Fluoranthene	18.89	202	603867	4.019	ng	98
27) Pyrene	19.25	202	790728	5.652	ng	98
29) Benzo(a)anthracene	21.02	228	340360	2.333	ng	# 84
30) Chrysene	21.08	228	529372	3.735	ng	# 95
31) Indeno(1,2,3-cd)pyrene	25.22	276	212726	1.362	ng	99
33) Benzo(b)fluoranthene	22.53	252	466944	3.121	ng	99
34) Benzo(k)fluoranthene	22.57	252	118023m	0.799	ng	
35) Benzo(a)pyrene	23.06	252	319866	2.358	ng	99
36) Dibenzo(a,h)anthracene	25.24	278	69031	0.510	ng	# 75
37) Benzo(a,h,i)perylene	25.85	276	241050	1.732	ng	# 70

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

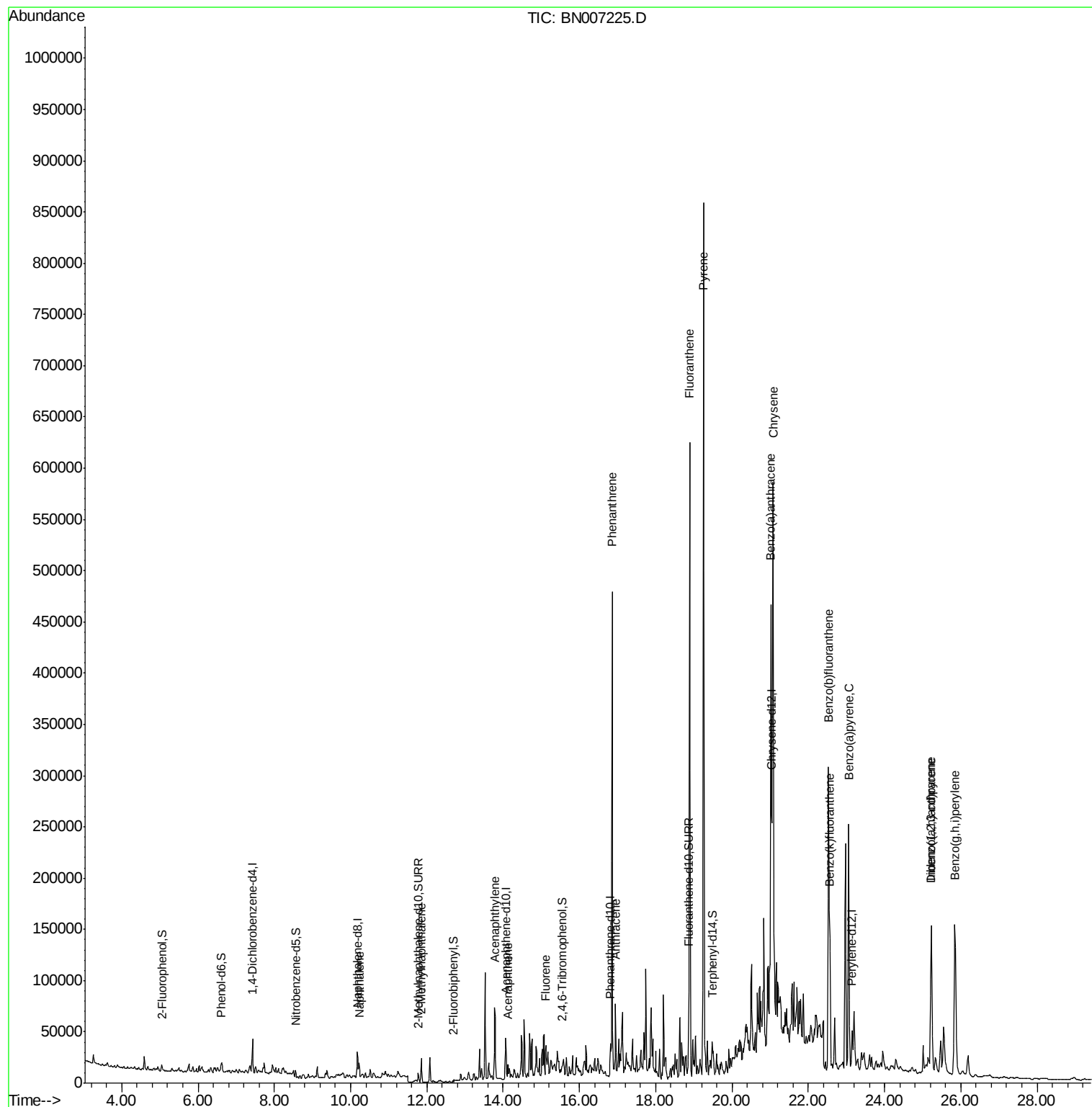
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081619\
Data File : BN007225.D
Acq On : 16 Aug 2019 16:25
Operator : HP/JU
Sample : K4282-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

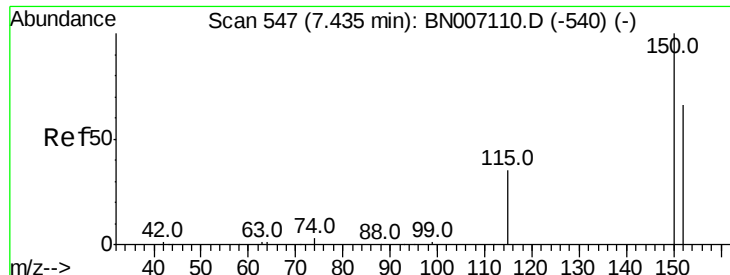
Instrument :
BNA_N
ClientSampleId :
PST-035-B249-080819

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8/20/2019 8:43:18 AM

Quant Time: Aug 17 01:44:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
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#1

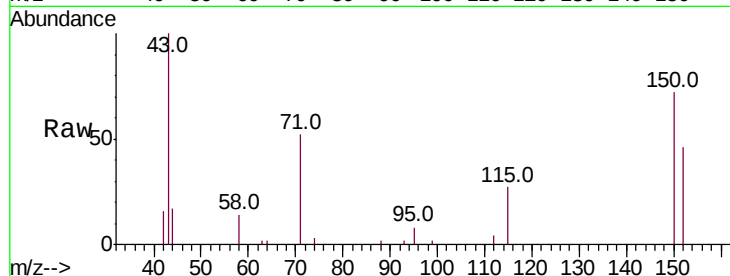
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.42 min Scan# 545
Delta R.T. -0.02 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Instrument :
BNA_N
ClientSampleId :
PST-035-B249-080819

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	121.7	182.5
115	59.7	46.2	69.4

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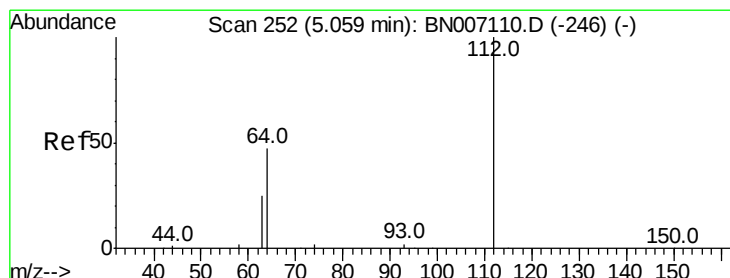
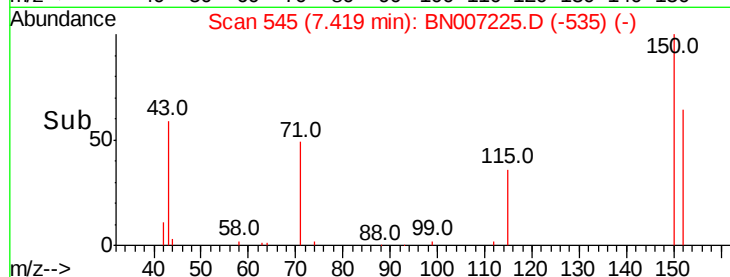
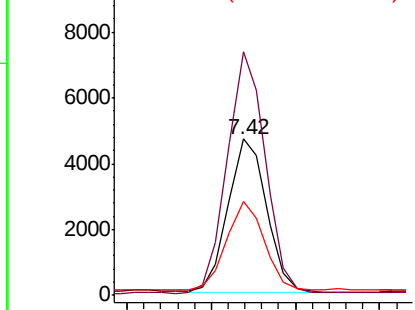


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

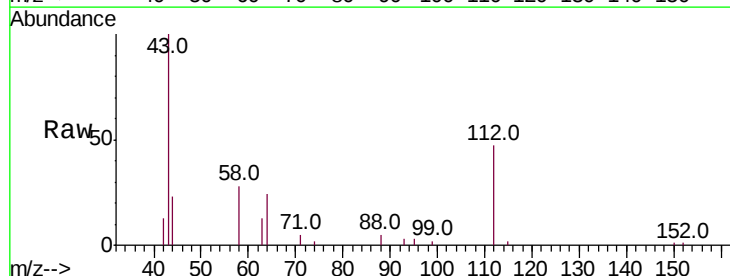
Ion 115.00 (114.70 to 115.70): E



#3

2-Fluorophenol
Concen: 0.250 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	42.6	63.8
63	27.4	22.2	33.2

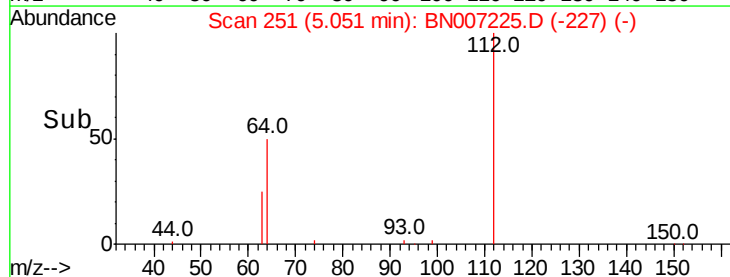
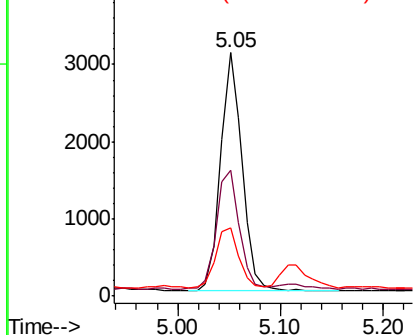


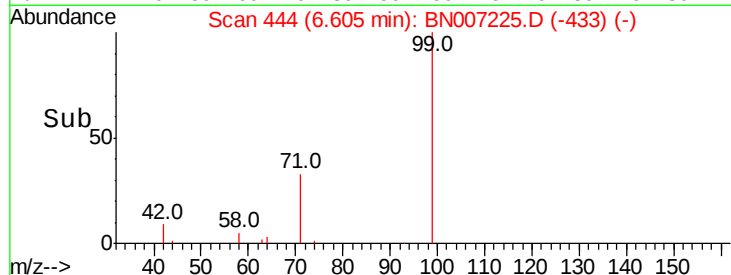
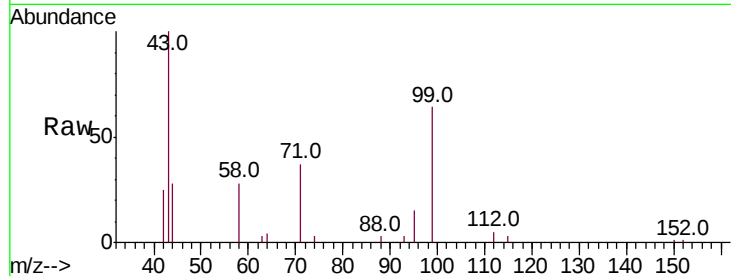
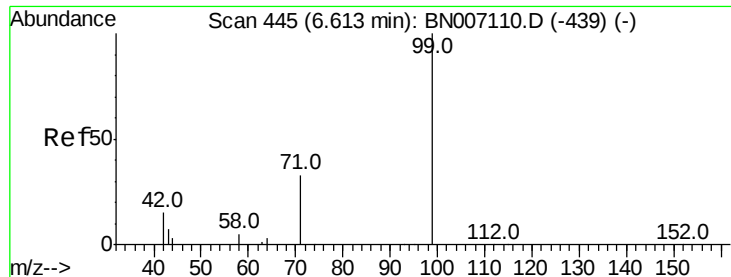
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#4

Phenol-d6

Concen: 0.277 ng

RT: 6.61 min Scan# 444

Delta R.T. -0.01 min

Lab File: BN007225.D

Acq: 16 Aug 2019 16:25

Instrument :

BNA_N

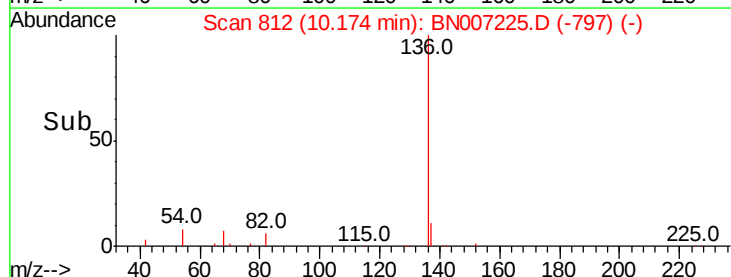
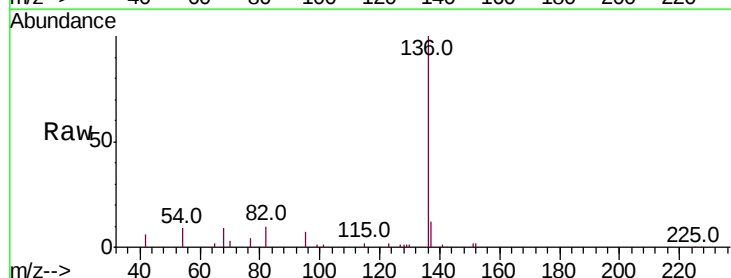
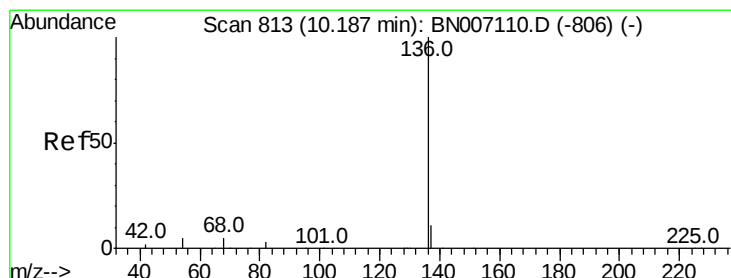
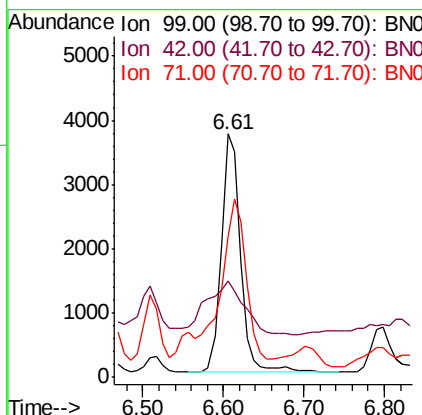
ClientSampleId :

PST-035-B249-080819

Tot Ion	Ratio	Lower	Upper
99	100		
42	45.6	15.8	23.6#
71	88.5	27.0	40.4#

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#6

Naphthalene-d8

Concen: 0.400 ng

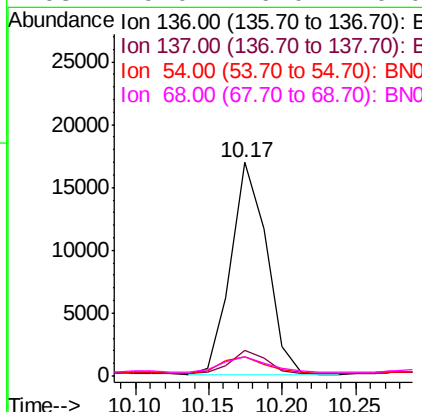
RT: 10.17 min Scan# 812

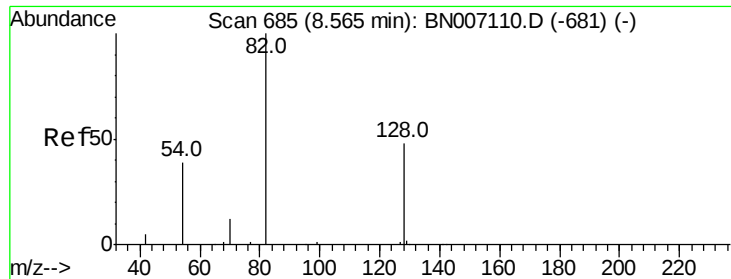
Delta R.T. -0.01 min

Lab File: BN007225.D

Acq: 16 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.4	14.0
54	8.9	6.6	9.8
68	9.0	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.308 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007225.D

Acq: 16 Aug 2019 16:25

Instrument :

BNA_N

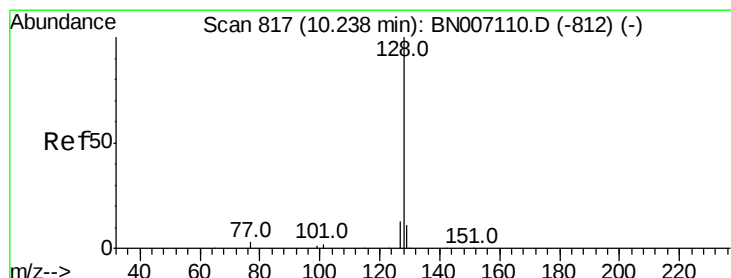
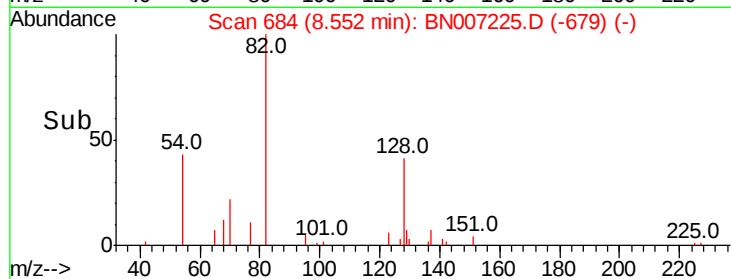
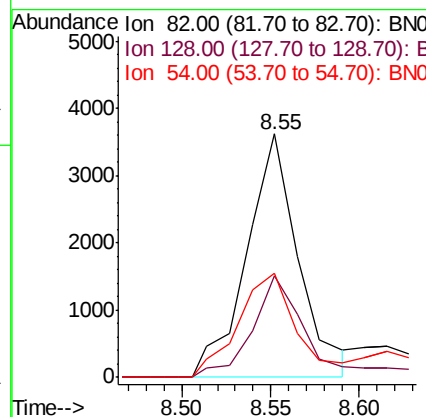
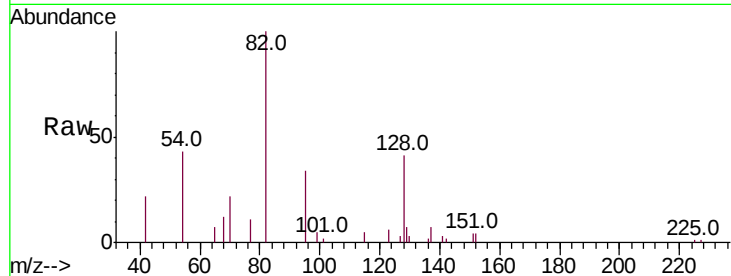
ClientSampleId :

PST-035-B249-080819

Tot Ion:	82	Resp:	7049
Ion Ratio	Lower	Upper	
82	100		
128	41.4	34.6	51.8
54	42.9	36.2	54.4

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#8

Naphthalene

Concen: 0.242 ng

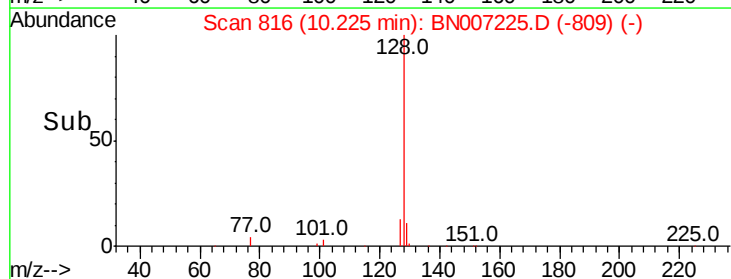
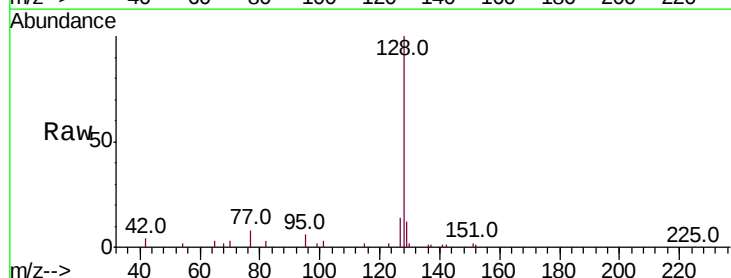
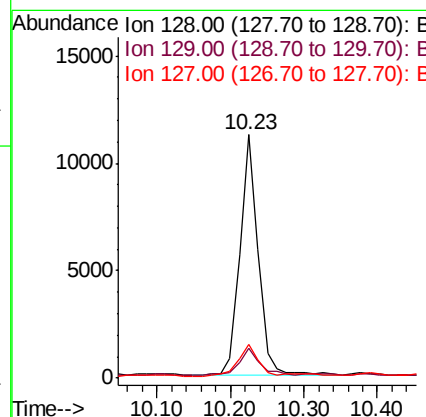
RT: 10.23 min Scan# 816

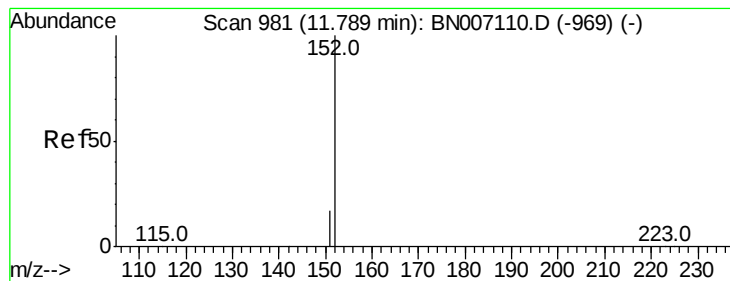
Delta R.T. -0.01 min

Lab File: BN007225.D

Acq: 16 Aug 2019 16:25

Tgt Ion:	128	Resp:	19280
Ion Ratio	Lower	Upper	
128	100		
129	12.1	9.4	14.2
127	13.7	11.0	16.6





#10

2-Methylnaphthalene-d10

Concen: 0.227 ng

RT: 11.78 min Scan# 978

Delta R.T. -0.02 min

Lab File: BN007225.D

Acq: 16 Aug 2019 16:25

Instrument :

BNA_N

ClientSampleId :

PST-035-B249-080819

Tot Ion:152 Resp: 12013

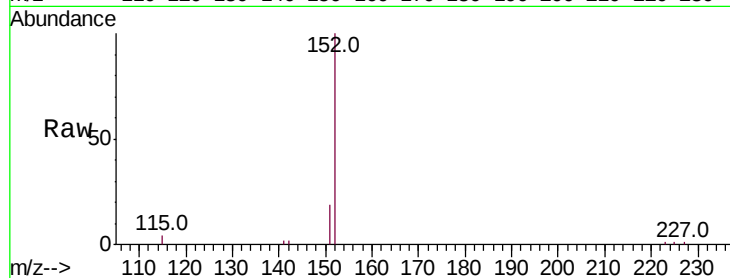
Ion Ratio Lower Upper

152 100

151 21.0 15.5 23.3

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

8000

6000

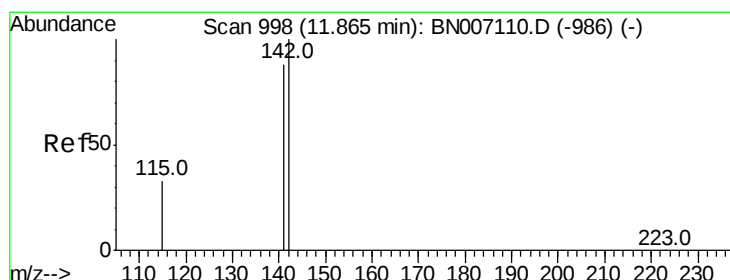
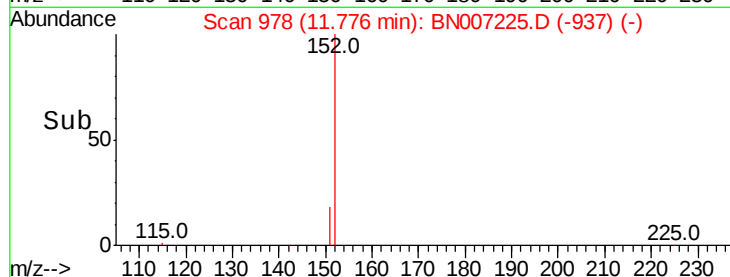
4000

2000

0

11.70 11.75 11.80 11.85

Time-->



#11

2-Methylnaphthalene

Concen: 0.288 ng

RT: 11.85 min Scan# 995

Delta R.T. -0.02 min

Lab File: BN007225.D

Acq: 16 Aug 2019 16:25

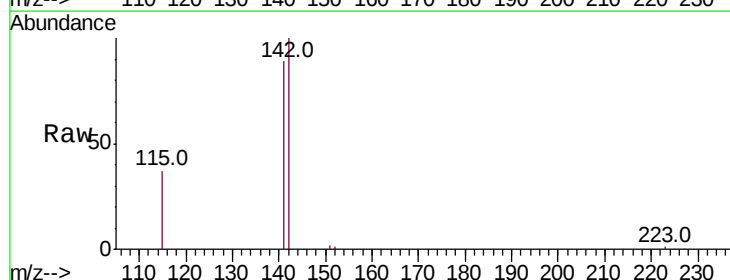
Tgt Ion:142 Resp: 16265

Ion Ratio Lower Upper

142 100

141 88.5 69.0 103.6

115 36.7 27.1 40.7



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

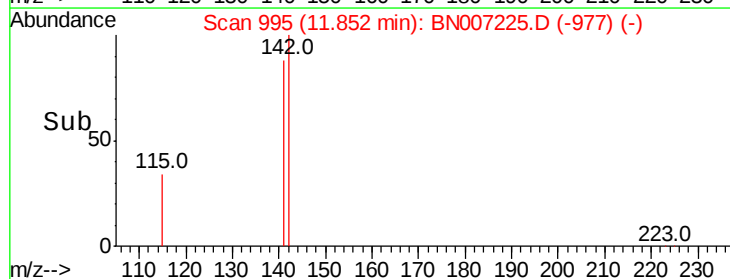
10000

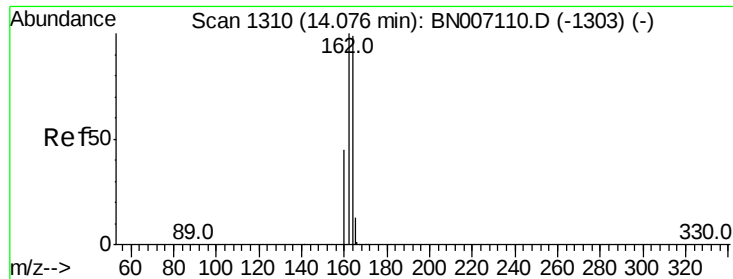
5000

0

11.75 11.80 11.85 11.90

Time-->





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.07 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BN007225.D

Acq: 16 Aug 2019 16:25

Instrument :

BNA_N

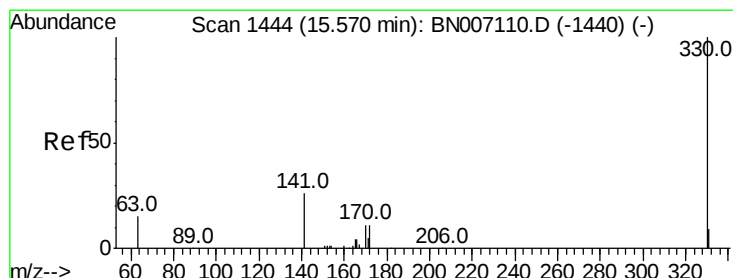
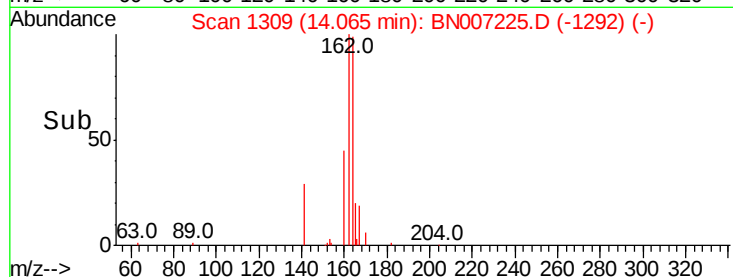
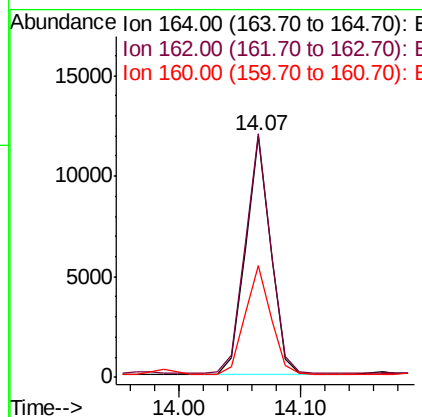
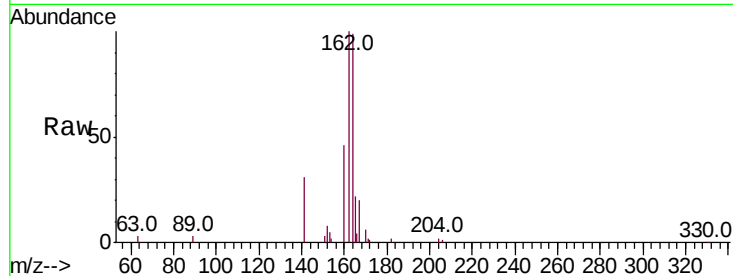
ClientSampleId :

PST-035-B249-080819

Tot Ion:	164	Resp:	17194
Ion Ratio	Lower	Upper	
164	100		
162	101.0	82.2	123.4
160	46.3	38.3	57.5

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#13

2,4,6-Tribromophenol

Concen: 0.192 ng

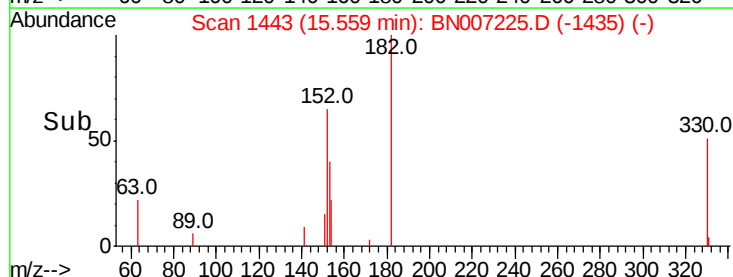
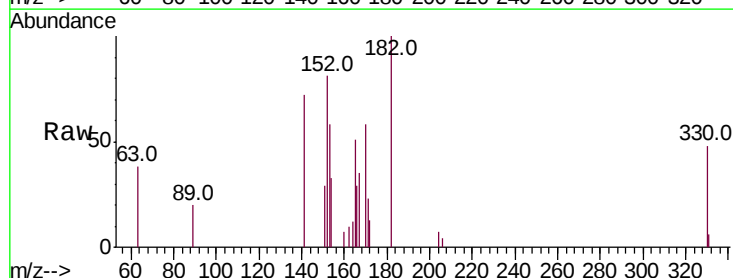
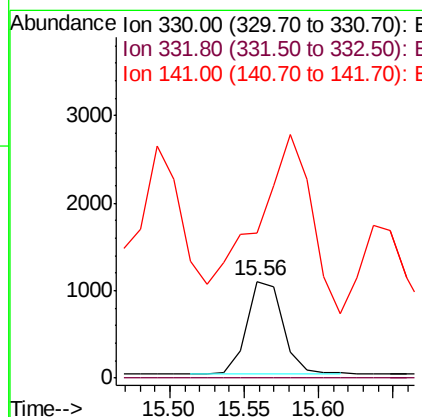
RT: 15.56 min Scan# 1443

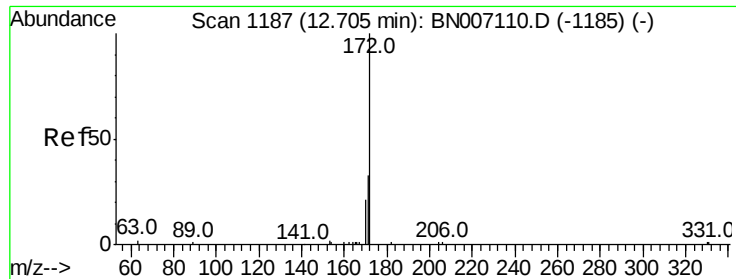
Delta R.T. -0.01 min

Lab File: BN007225.D

Acq: 16 Aug 2019 16:25

Tgt Ion:	330	Resp:	1779
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	0.0	33.6	50.4#





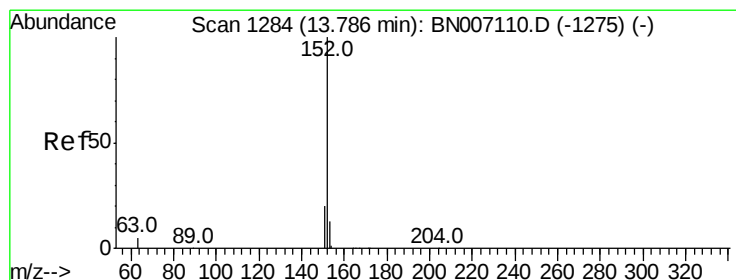
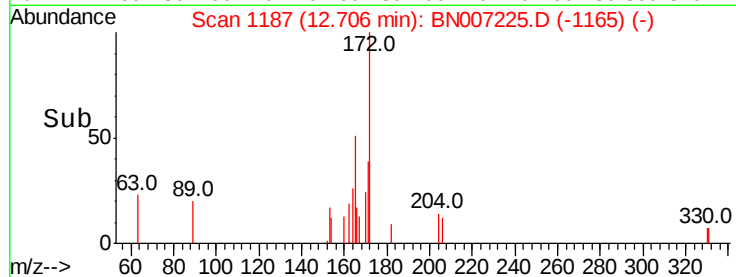
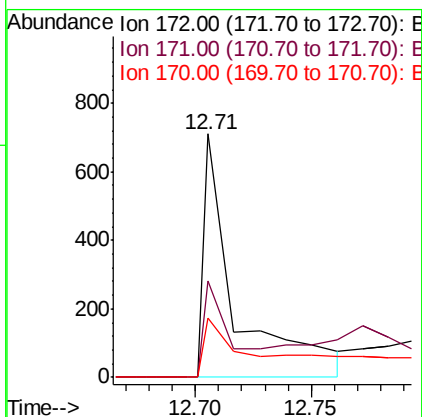
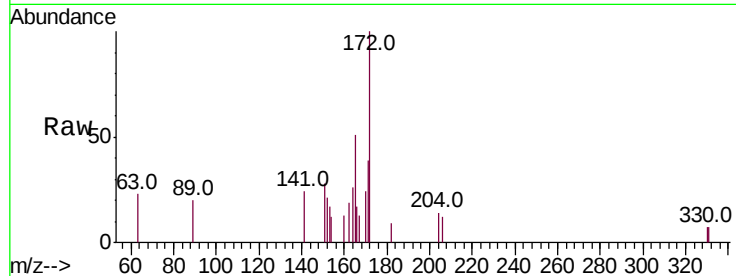
#14
2-Fluorobiphenyl
Concen: 0.028 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Instrument :
BNA_N
ClientSampleId :
PST-035-B249-080819

Tot Ion:	172	Resp:	700
Ion	Ratio	Lower	Upper
172	100		
171	39.4	26.3	39.5
170	24.5	17.0	25.4

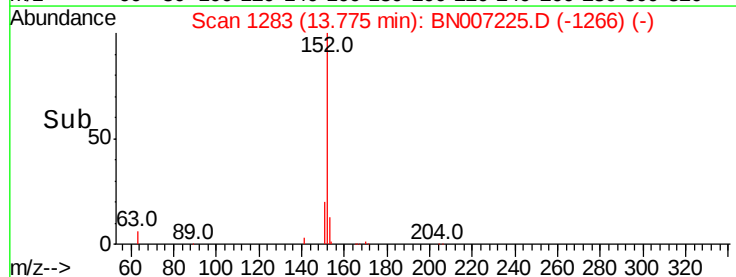
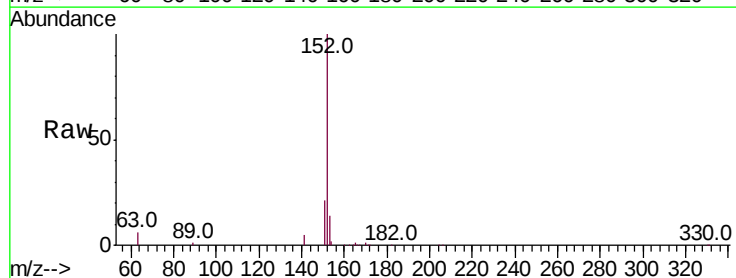
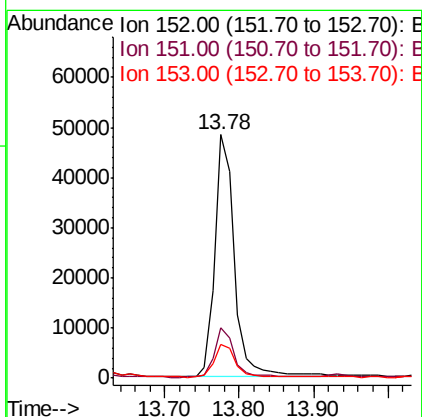
Manual Integrations
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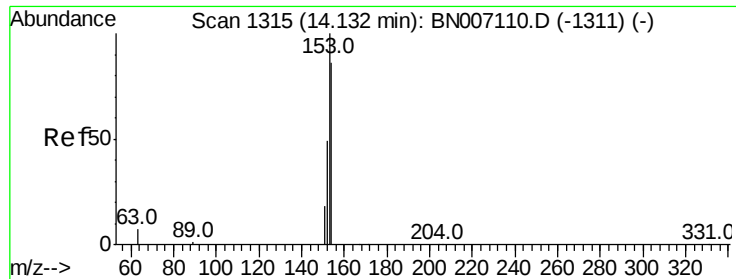
mohammad
8/20/2019 8:43:18 AM



#15
Acenaphthylene
Concen: 0.997 ng
RT: 13.78 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:	152	Resp:	89603
Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	14.6	10.4	15.6





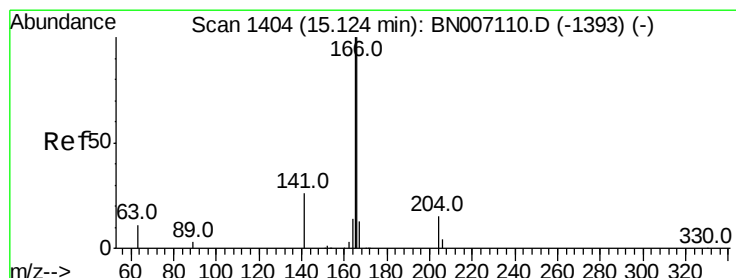
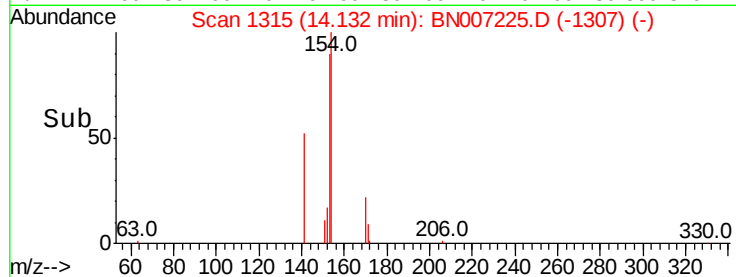
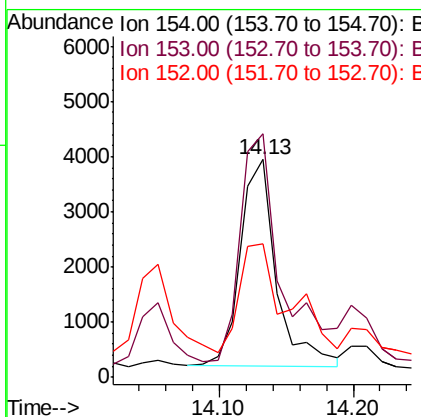
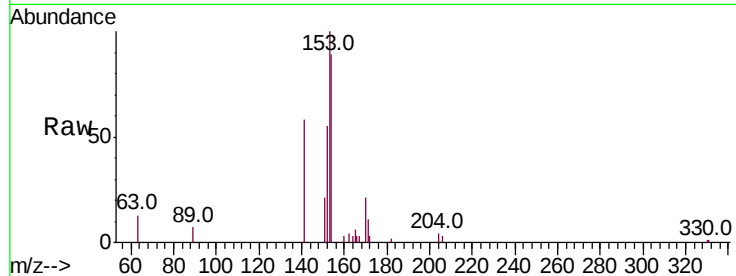
#16
Acenaphthene
Concen: 0.121 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Instrument :
BNA_N
ClientSampleId :
PST-035-B249-080819

Tot Ion	Ratio	Lower	Upper
154	100		
153	120.9	89.5	134.3
152	70.8	44.8	67.2

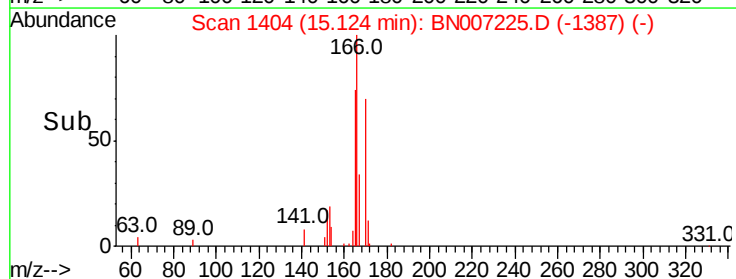
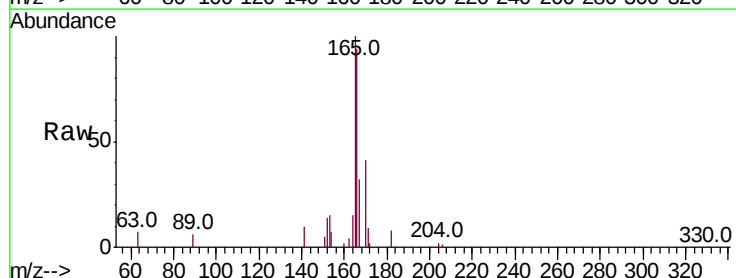
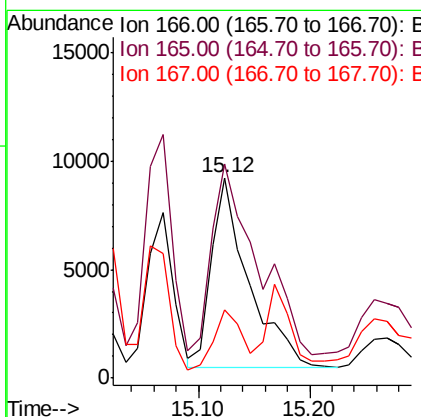
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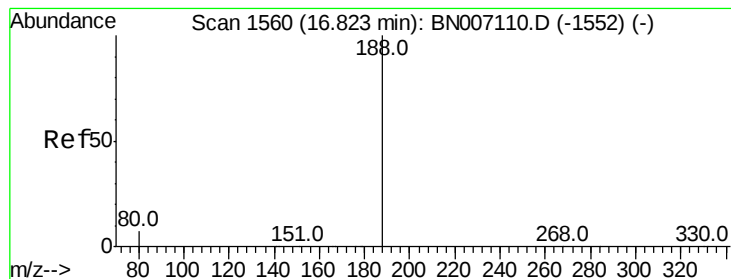
mohammad
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#17
Fluorene
Concen: 0.233 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
166	100		
165	123.2	77.9	116.9
167	24.1	10.9	16.3





#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.81 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BN007225.D

Acq: 16 Aug 2019 16:25

Instrument :

BNA_N

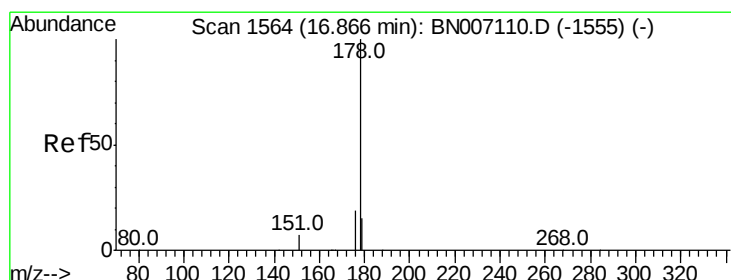
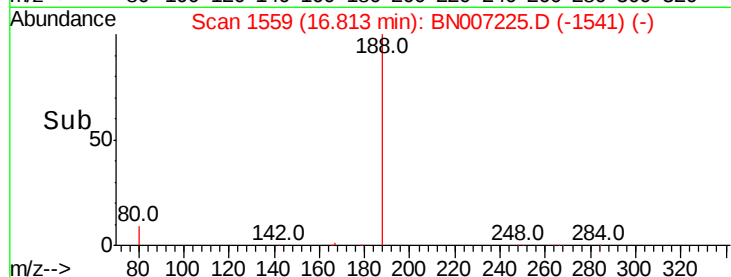
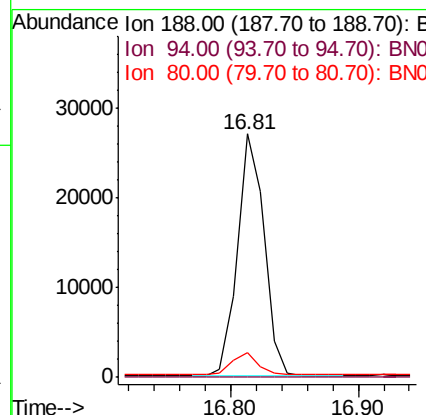
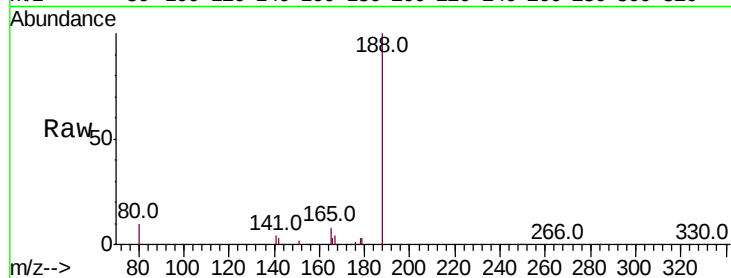
ClientSampleId :

PST-035-B249-080819

Tot Ion:	188	Resp:	39192
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.0	7.8	11.6

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#22

Phenanthrene

Concen: 3.937 ng

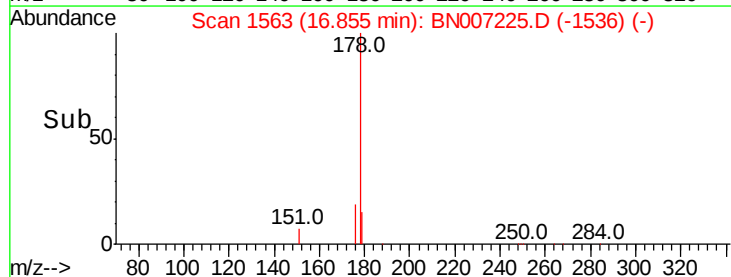
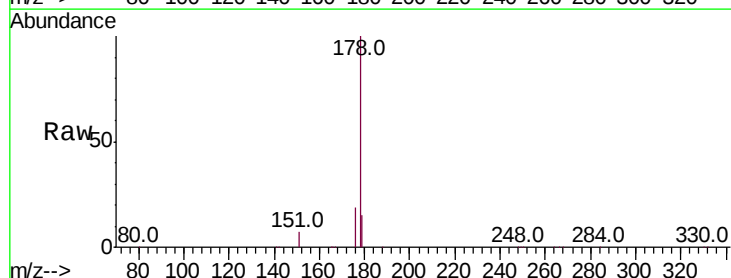
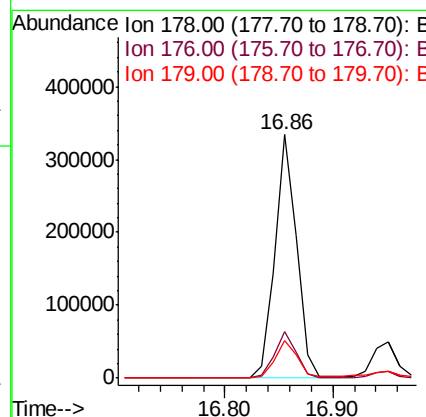
RT: 16.86 min Scan# 1563

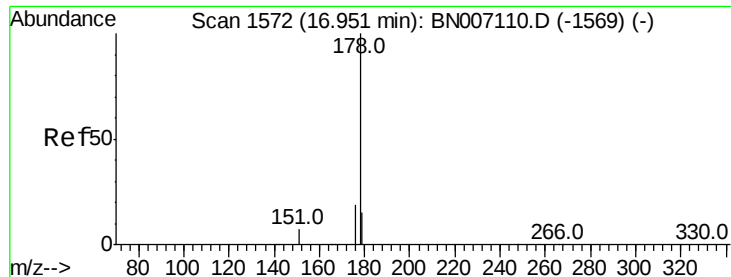
Delta R.T. -0.01 min

Lab File: BN007225.D

Acq: 16 Aug 2019 16:25

Tgt Ion:	178	Resp:	462368
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.2	22.8
179	16.0	12.3	18.5





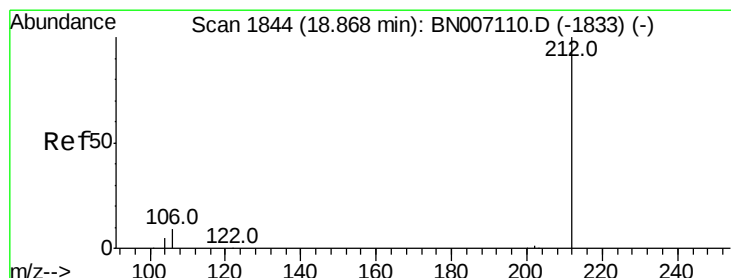
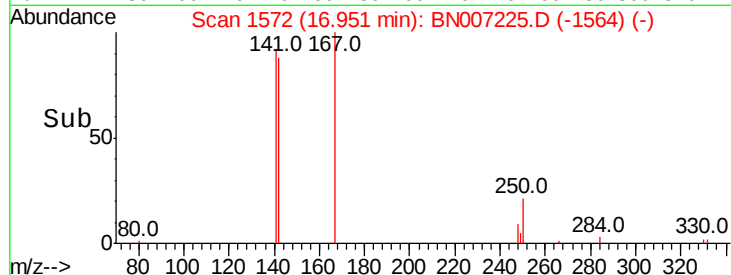
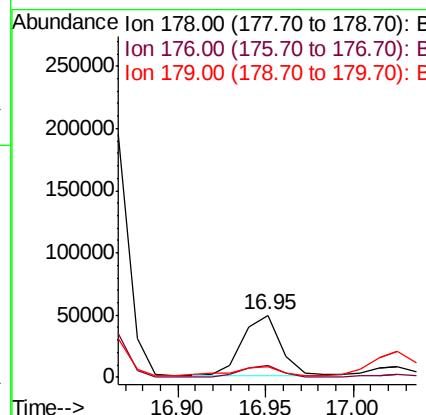
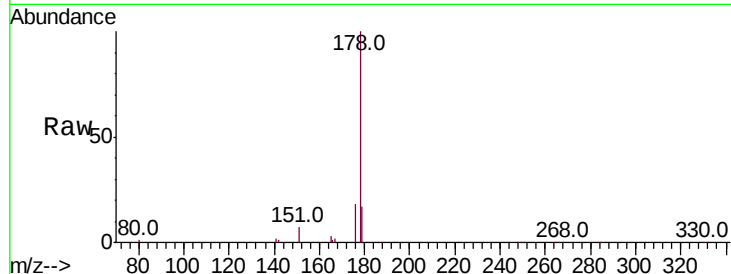
#23
 Anthracene
 Concen: 0.680 ng
 RT: 16.95 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BN007225.D
 Acq: 16 Aug 2019 16:25

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B249-080819

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	17.4	12.5	18.7

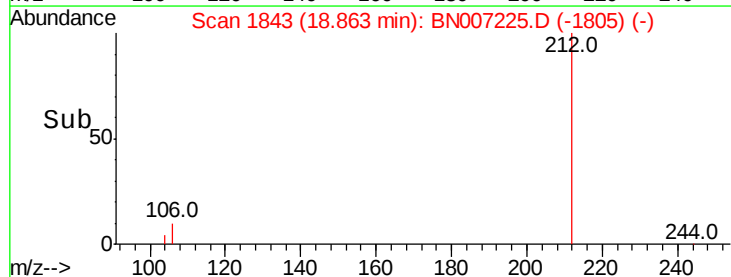
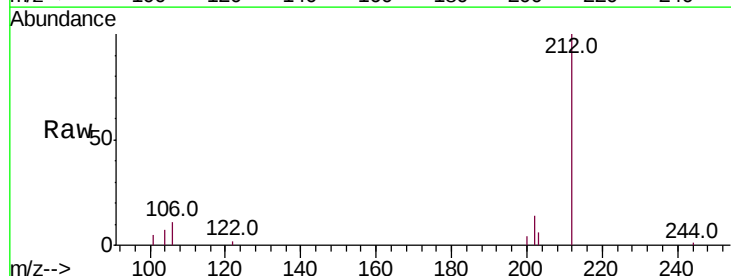
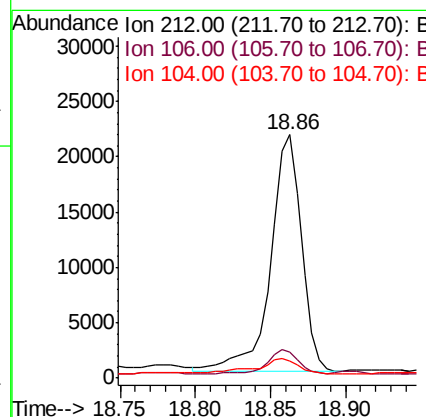
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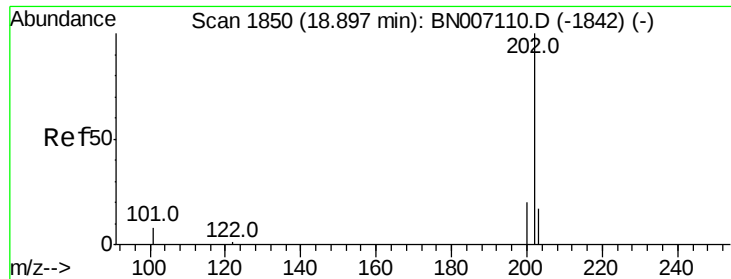
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#24
 Fluoranthene-d10
 Concen: 0.218 ng
 RT: 18.86 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BN007225.D
 Acq: 16 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
212	100		
106	10.3	8.2	12.2
104	8.3	4.5	6.7#





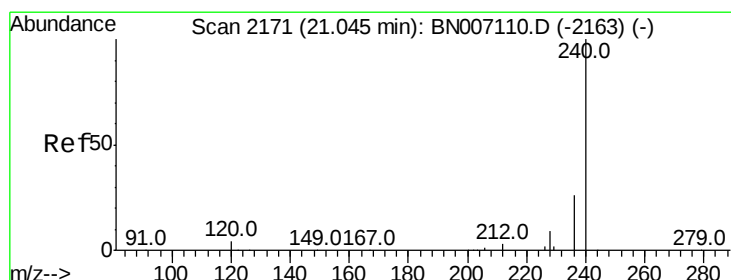
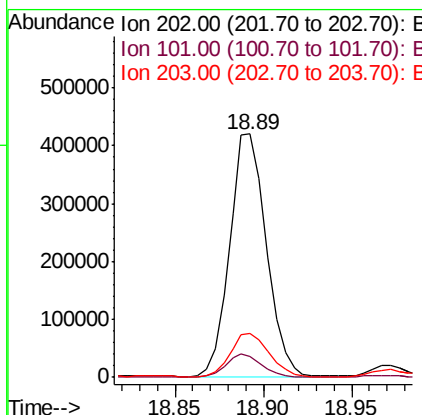
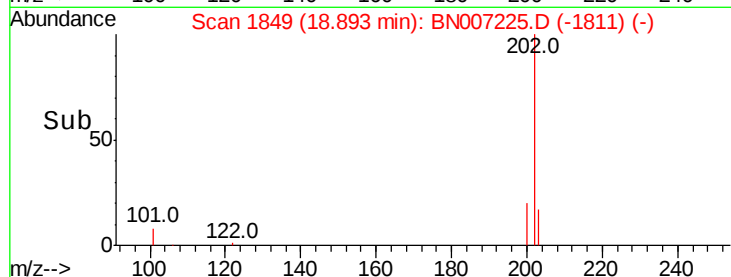
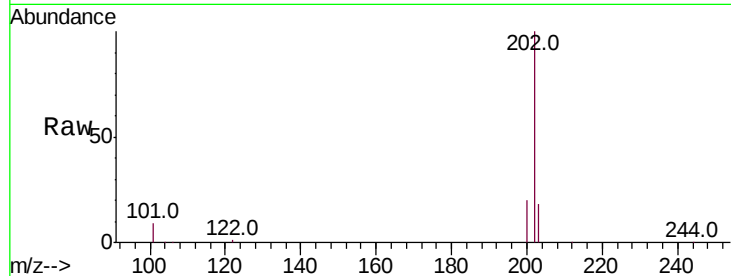
#25
Fluoranthene
 Concen: 4.019 ng
 RT: 18.89 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BN007225.D
 Acq: 16 Aug 2019 16:25

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B249-080819

Tot Ion	Ratio	Resp	Lower	Upper
202	100	603867		
101	9.2		7.0	10.4
203	18.6		13.8	20.8

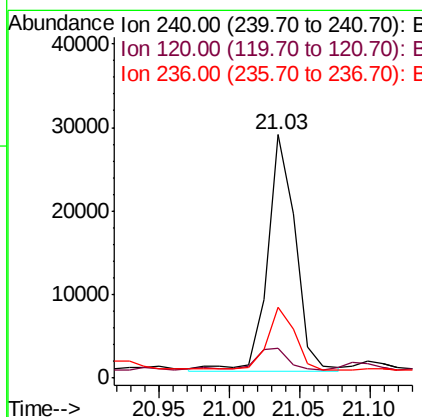
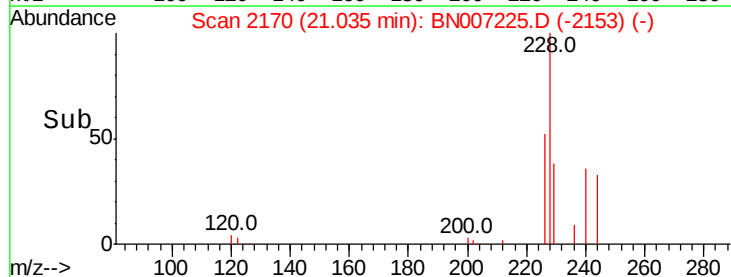
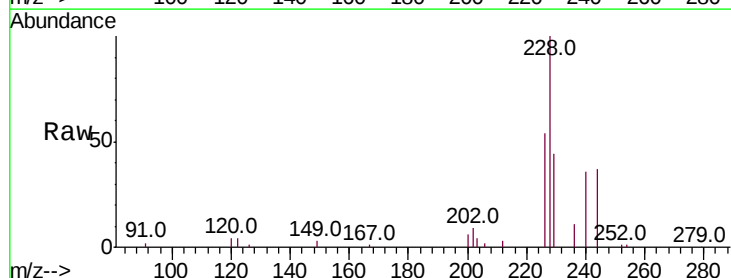
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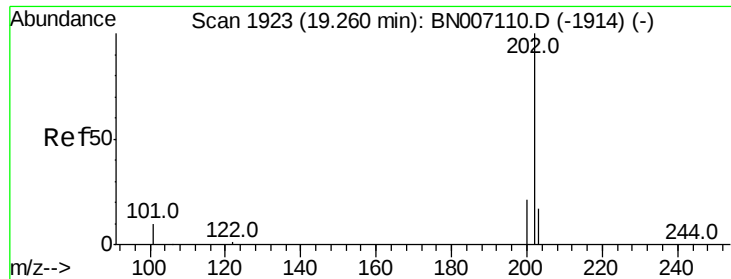
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#26
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.03 min Scan# 2170
 Delta R.T. -0.02 min
 Lab File: BN007225.D
 Acq: 16 Aug 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	39891		
120	12.1		4.0	6.0#
236	29.3		21.3	31.9





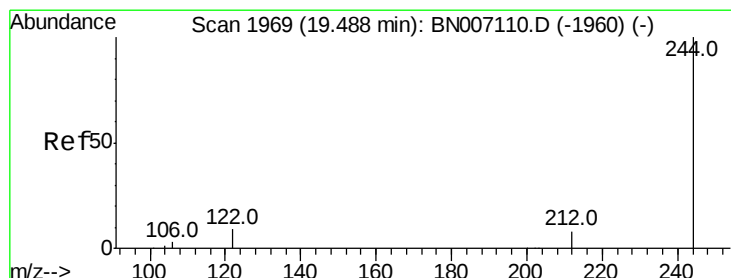
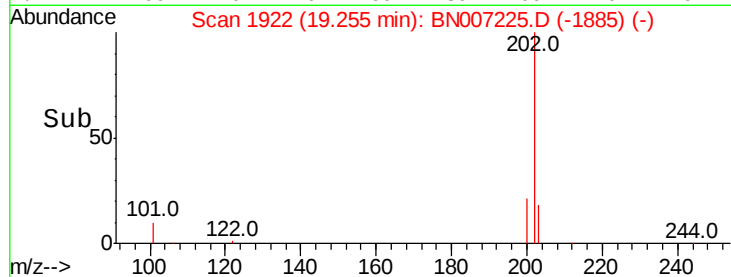
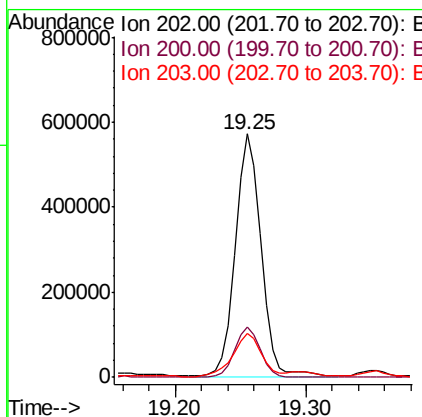
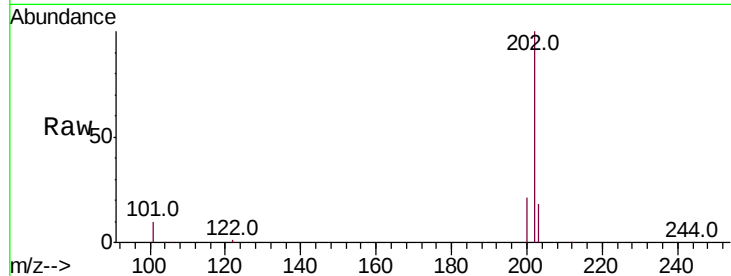
#27
Pvrene
Concen: 5.652 ng
RT: 19.25 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Instrument :
BNA_N
ClientSampleId :
PST-035-B249-080819

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.7	16.6	24.8
203	19.1	14.0	21.0

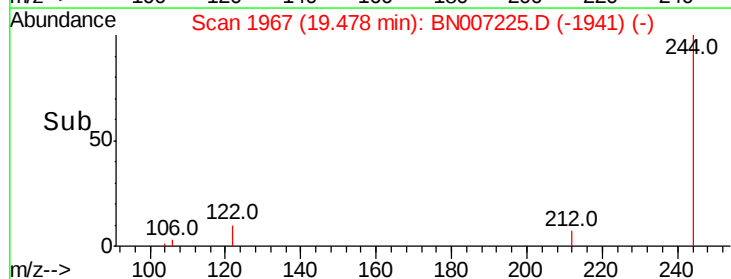
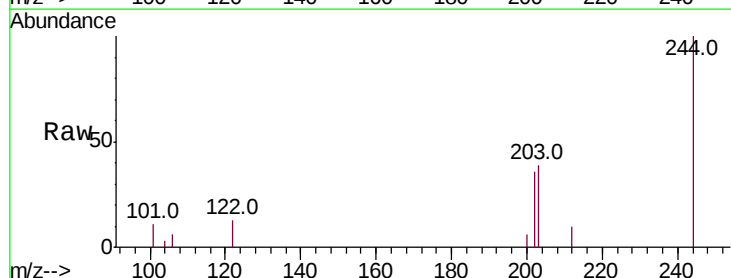
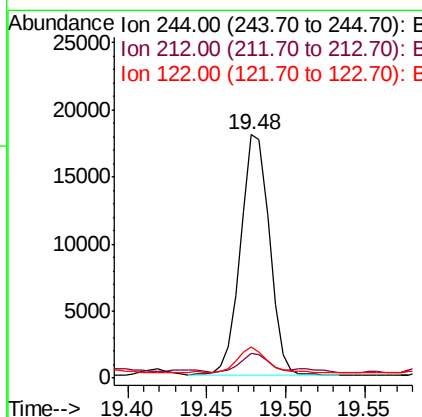
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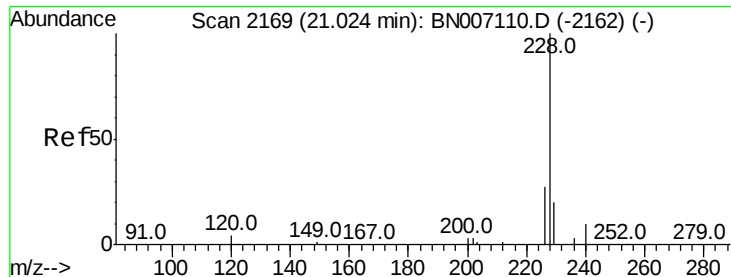
mohammad
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#28
Terphenyl-d14
Concen: 0.209 ng
RT: 19.48 min Scan# 1967
Delta R.T. -0.02 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	10.2	6.2	9.2#
122	12.7	7.4	11.2#





#29

Benzo(a)anthracene

Concen: 2.333 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007225.D

Acq: 16 Aug 2019 16:25

Instrument :

BNA_N

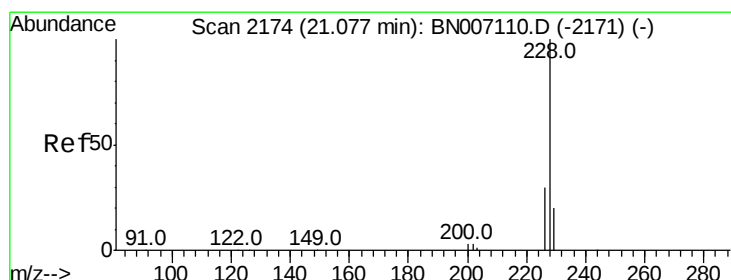
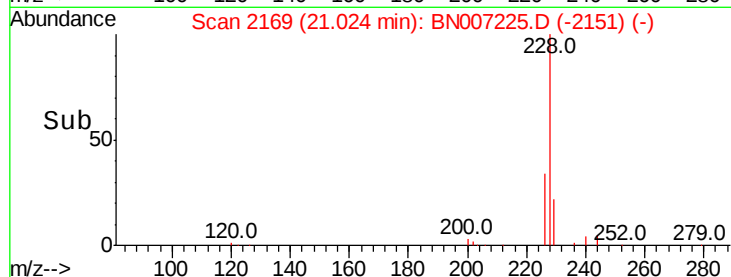
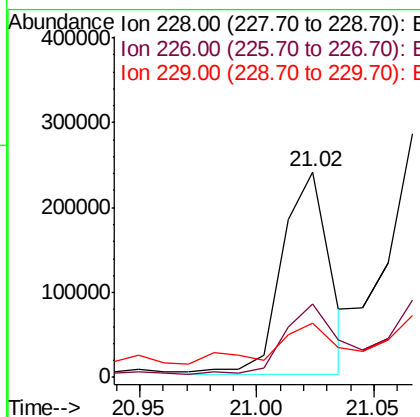
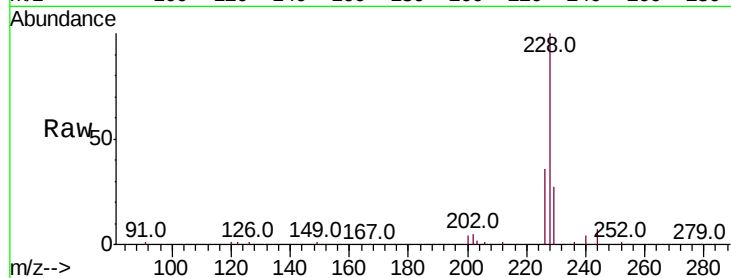
ClientSampleId :

PST-035-B249-080819

Tot Ion:	228	Resp:	340360
Ion Ratio	Lower	Upper	
228	100		
226	35.5	21.8	32.6#
229	26.7	15.6	23.4#

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#30

Chrysene

Concen: 3.735 ng

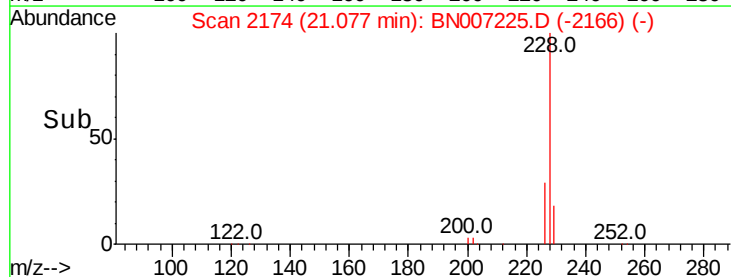
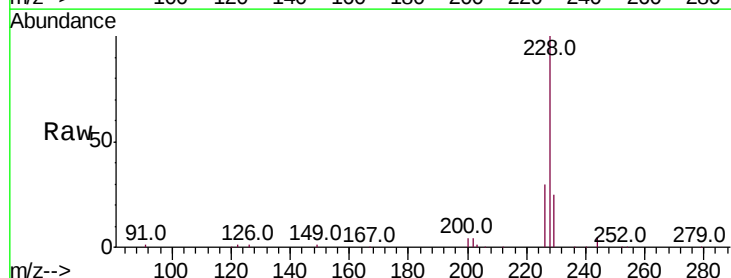
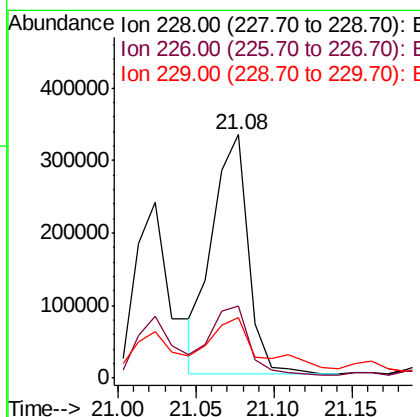
RT: 21.08 min Scan# 2174

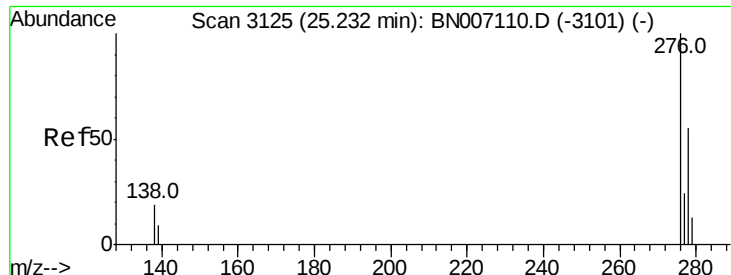
Delta R.T. -0.01 min

Lab File: BN007225.D

Acq: 16 Aug 2019 16:25

Tgt Ion:	228	Resp:	529372
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.8	35.6
229	25.0	15.7	23.5#





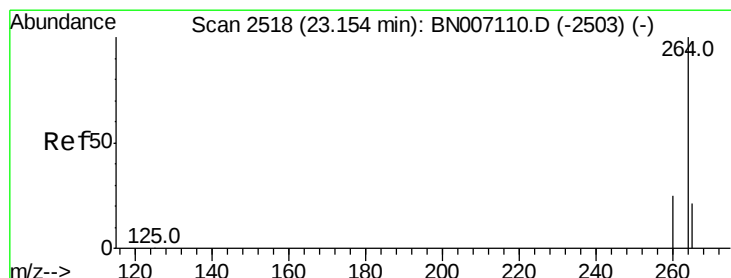
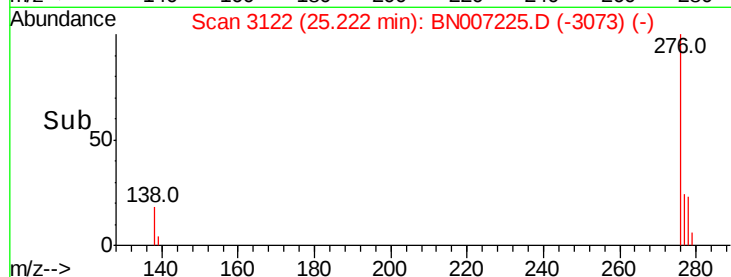
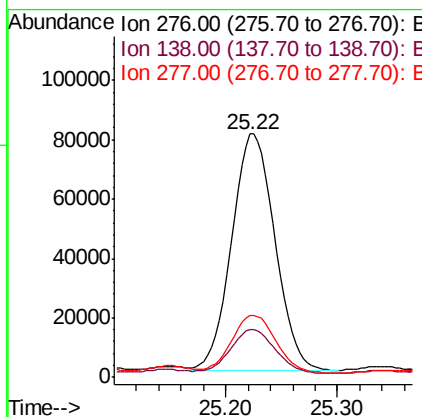
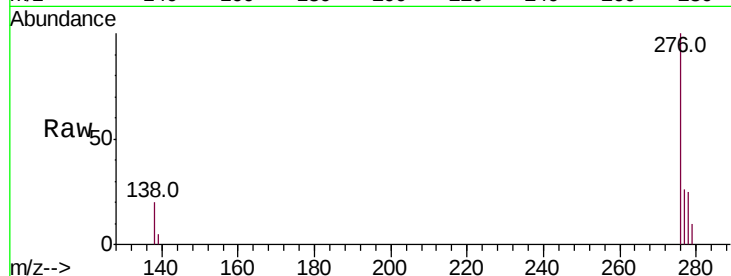
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 1.362 ng
 RT: 25.22 min Scan# 3122
 Delta R.T. -0.03 min
 Lab File: BN007225.D
 Acq: 16 Aug 2019 16:25

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B249-080819

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.2	16.0	24.0
277	25.1	19.9	29.9

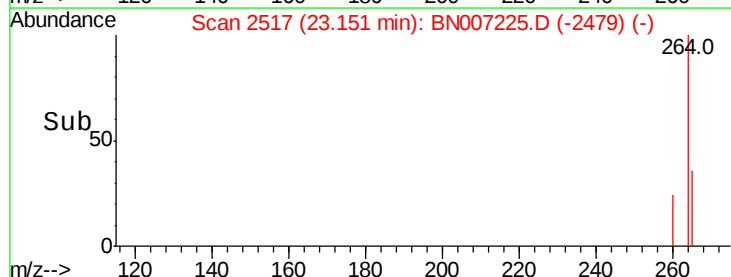
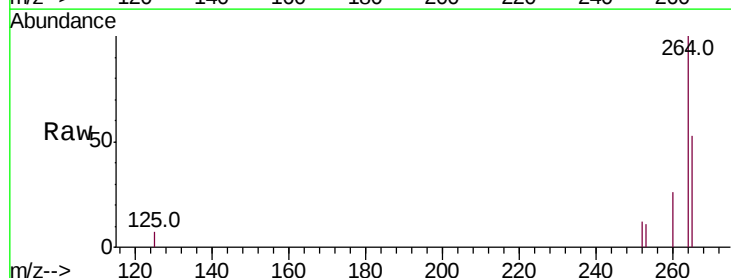
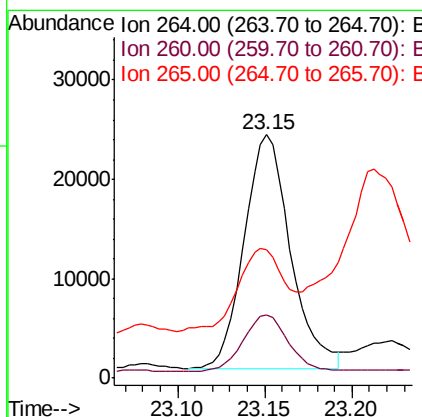
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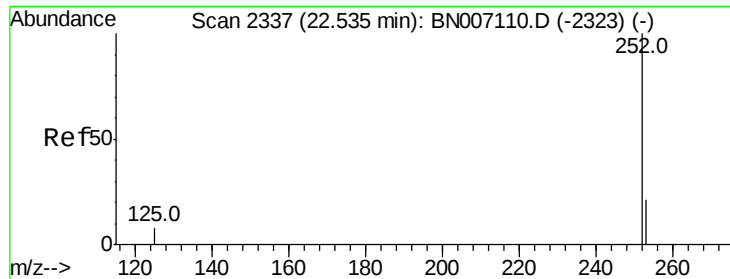
mohammad
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#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.15 min Scan# 2517
 Delta R.T. -0.02 min
 Lab File: BN007225.D
 Acq: 16 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	19.8	29.8
265	52.9	26.2	39.4





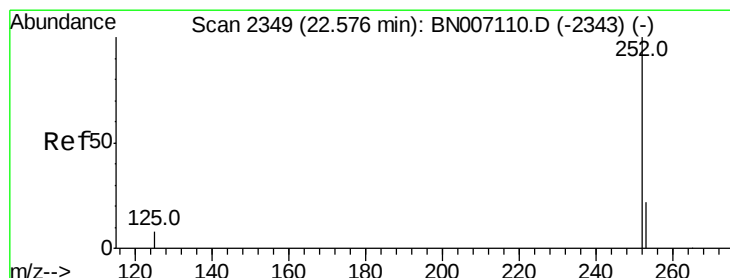
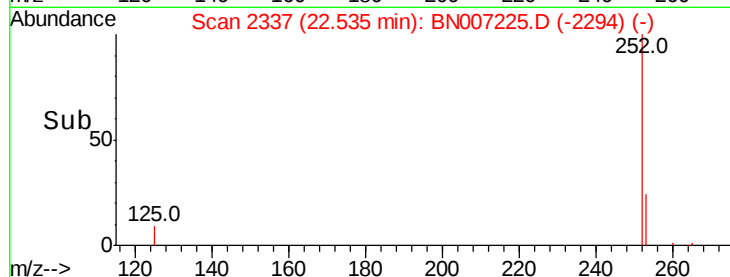
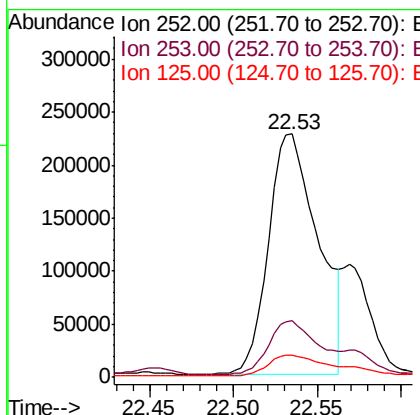
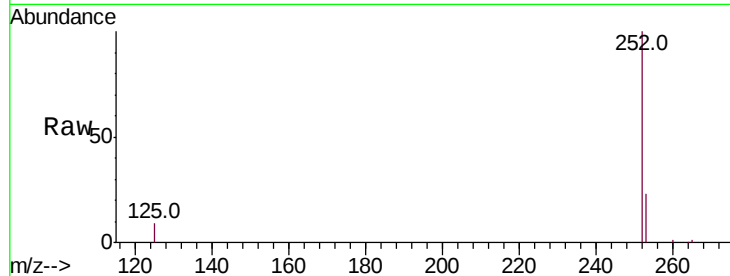
#33
Benzo(b)fluoranthene
Concen: 3.121 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Instrument :
BNA_N
ClientSampleId :
PST-035-B249-080819

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	9.2	7.4	11.0

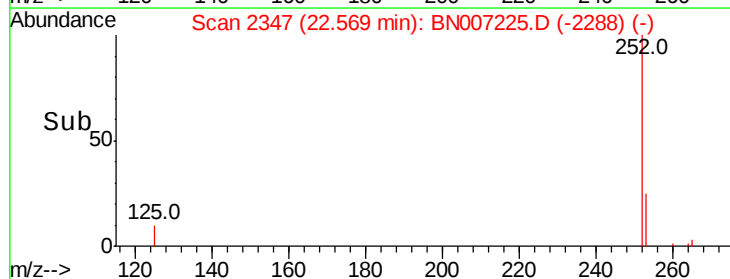
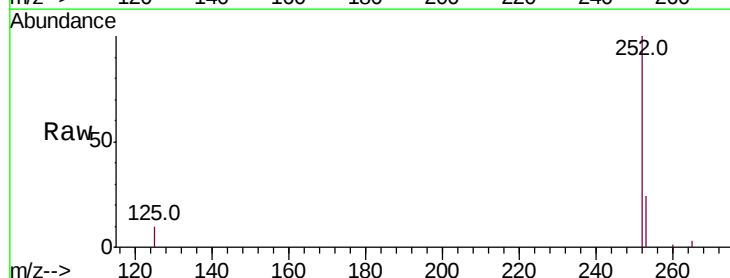
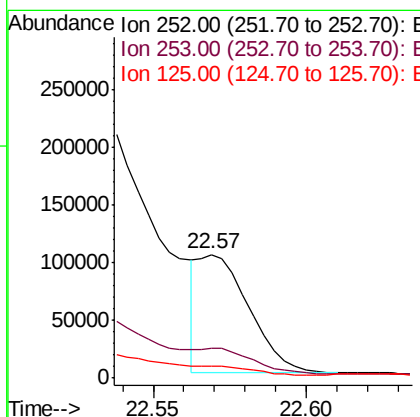
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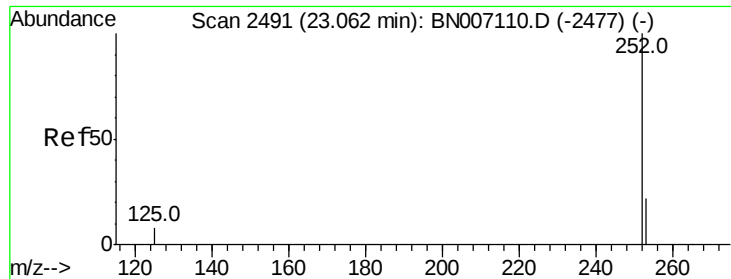
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#34
Benzo(k)fluoranthene
Concen: 0.799 ng m
RT: 22.57 min Scan# 2347
Delta R.T. -0.02 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	9.8	7.4	11.0





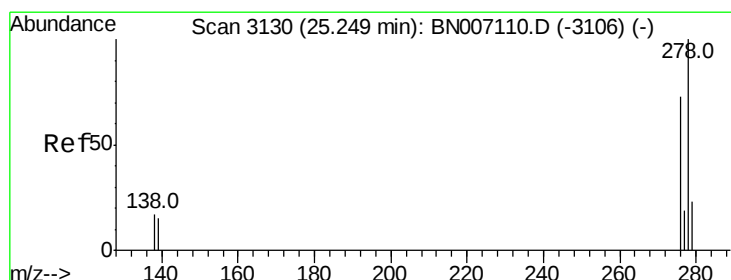
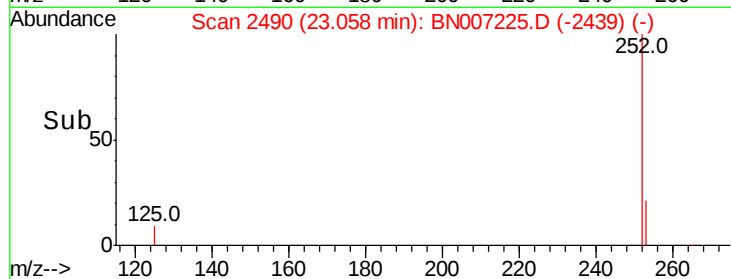
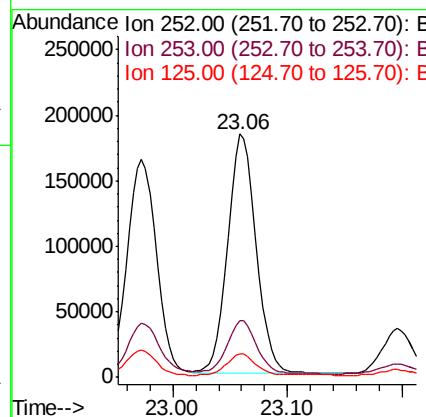
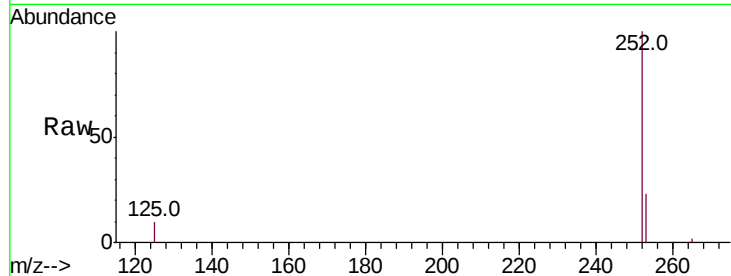
#35
Benzo(a)pyrene
Concen: 2.358 ng
RT: 23.06 min Scan# 2490
Delta R.T. -0.02 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Instrument :
BNA_N
ClientSampleId :
PST-035-B249-080819

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.5	27.7
125	9.7	8.2	12.4

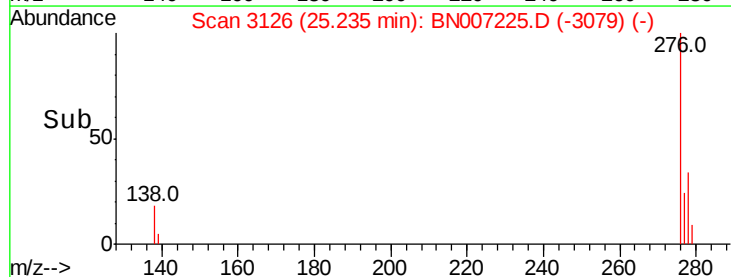
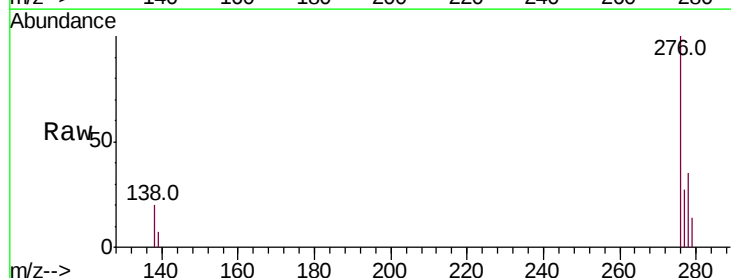
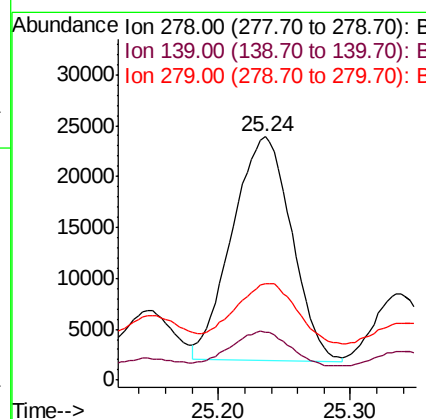
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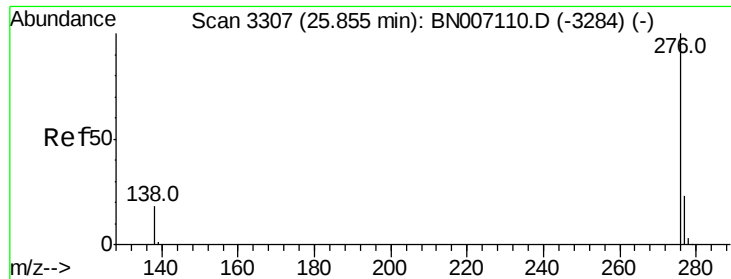
mohammad
8/20/2019 8:43:18 AM



#36
Dibenzo(a,h)anthracene
Concen: 0.510 ng
RT: 25.24 min Scan# 3126
Delta R.T. -0.04 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.6	11.3	16.9#
279	39.7	19.3	28.9#





#37
 Benzo(a,h,i)perylene
 Concen: 1.732 ng
 RT: 25.85 min Scan# 3307
 Delta R.T. -0.02 min
 Lab File: BN007225.D
 Acq: 16 Aug 2019 16:25

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B249-080819

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.8	29.8
138	49.4	14.6	22.0

Manual Integrations
 APPROVED

mohammad
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