

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
 Data File : BN007124.D
 Acq On : 13 Aug 2019 10:31
 Operator : HP/JU
 Sample : K4239-11
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-013-B207-080519

Manual Integrations
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mohammad
 8/14/2019 2:52:55 AM

Quant Time: Aug 13 12:27:22 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	7.43	152	9208	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	35590	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	20219	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	47416	0.40	ng	0.00
26) Chrysene-d12	21.05	240	48020	0.40	ng	-0.01
32) Perylene-d12	23.16	264	52843	0.40	ng	0.00

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	6145	0.28	ng	0.00
4) Phenol-d6	6.62	99	8407	0.31	ng	0.00
7) Nitrobenzene-d5	8.56	82	6739	0.23	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	14468	0.22	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	2471	0.23	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	3949	0.13	ng	0.00
24) Fluoranthene-d10	18.87	212	31820	0.19	ng	0.00
28) Terphenyl-d14	19.49	244	23543	0.18	ng	0.00

Target Compounds

						Qvalue
8) Naphthalene	10.24	128	3347	0.034	ng	# 86
11) 2-Methylnaphthalene	11.86	142	2632	0.037	ng	# 85
15) Acenaphthylene	13.79	152	33497	0.317	ng	97
16) Acenaphthene	14.13	154	10925	0.161	ng	95
17) Fluorene	15.14	166	15832	0.156	ng	90
22) Phenanthrene	16.87	178	220626	1.553	ng	100
23) Anthracene	16.95	178	58472	0.450	ng	# 95
25) Fluoranthene	18.90	202	333740	1.836	ng	100
27) Pyrene	19.26	202	305033	1.811	ng	# 95
29) Benzo(a)anthracene	21.03	228	189171	1.077	ng	# 87
30) Chrysene	21.08	228	155283	0.910	ng	92
31) Indeno(1,2,3-cd)pyrene	25.24	276	95595	0.508	ng	99
33) Benzo(b)fluoranthene	22.54	252	204347	1.128	ng	97
34) Benzo(k)fluoranthene	22.58	252	65250m	0.365	ng	
35) Benzo(a)pyrene	23.07	252	149691	0.911	ng	98
36) Dibenzo(a,h)anthracene	25.25	278	26389	0.161	ng	# 74
37) Benzo(a,h,i)perylene	25.87	276	89370	0.530	ng	97

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

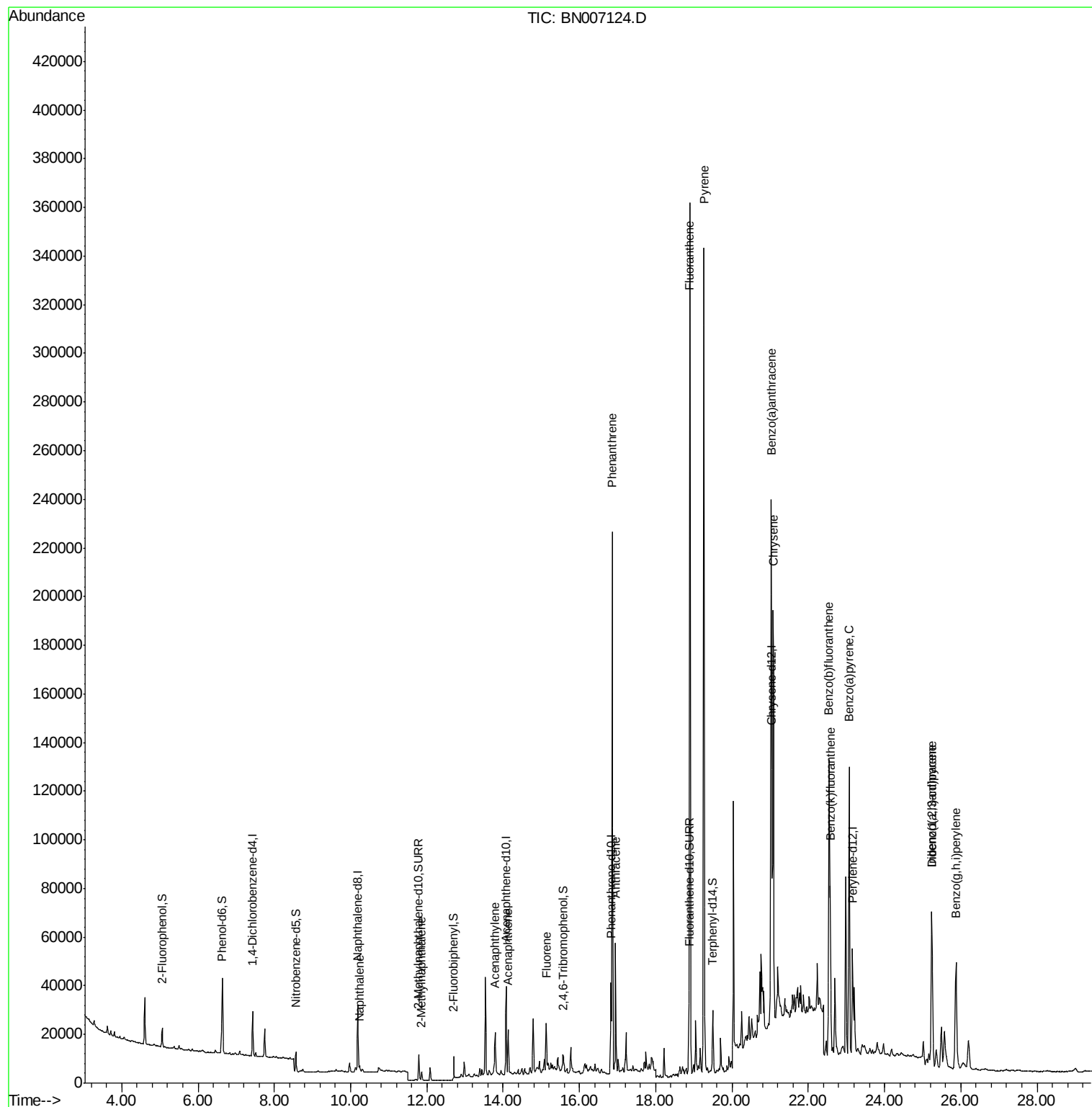
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007124.D
Acq On : 13 Aug 2019 10:31
Operator : HP/JU
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Misc :
ALS Vial : 33 Sample Multiplier: 1

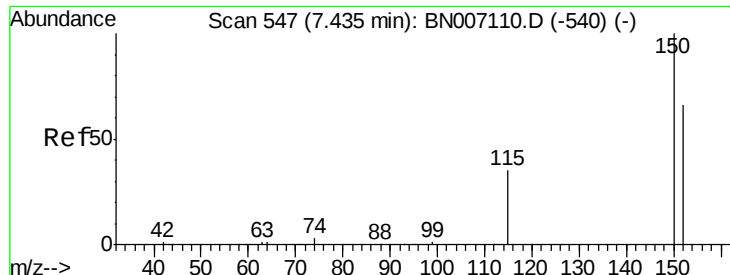
Instrument :
BNA_N
ClientSampleId :
PST-013-B207-080519

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Quant Time: Aug 13 12:27:22 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

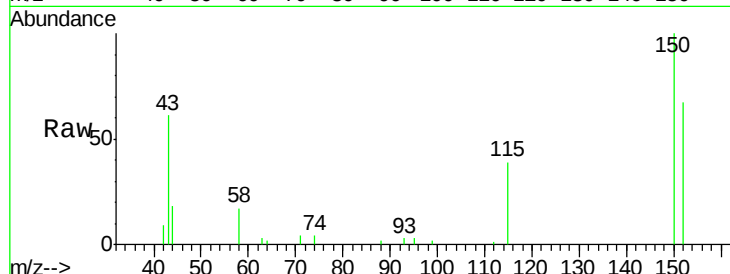
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007124.D
Acq: 13 Aug 2019 10:31

Instrument :
BNA_N
ClientSampleId :
PST-013-B207-080519

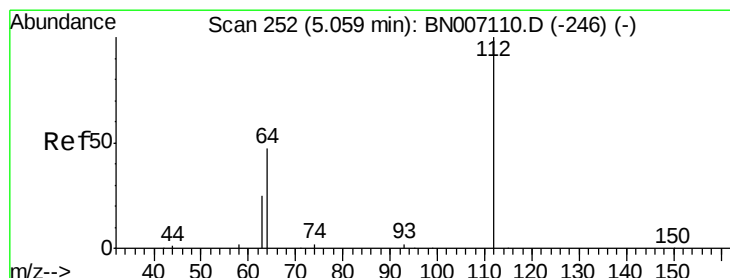
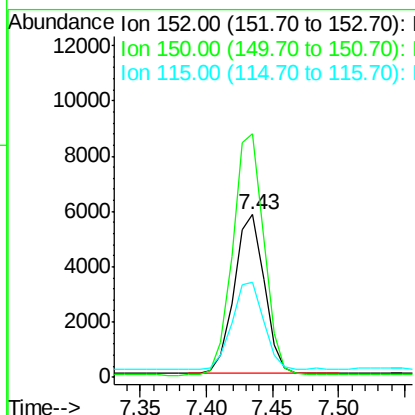
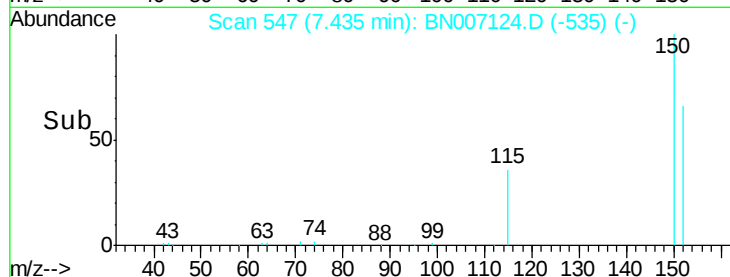
Tot Ion	Ratio	Lower	Upper
152	100		
150	149.5	121.7	182.5
115	58.2	46.2	69.4

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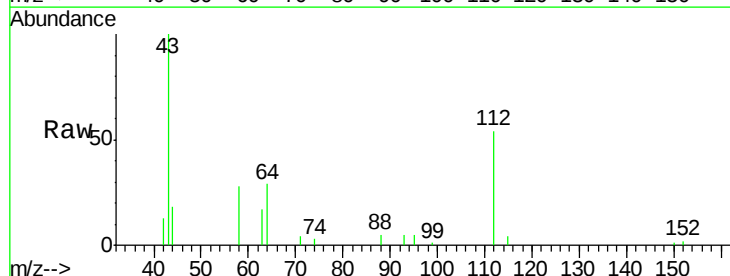
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



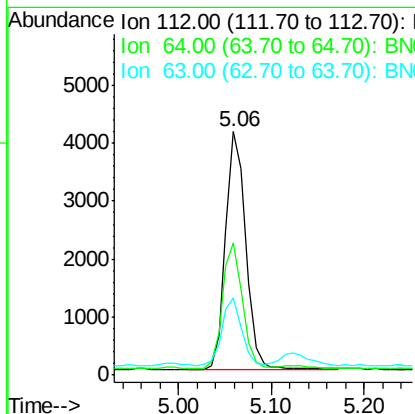
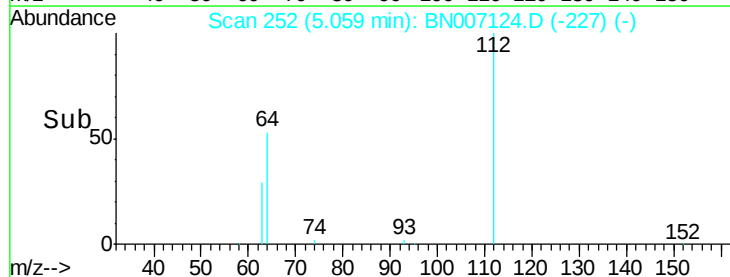
#3

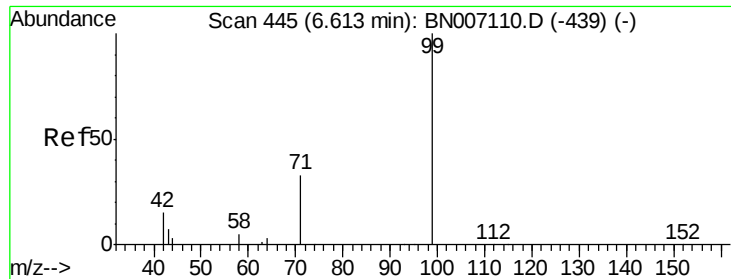
2-Fluorophenol
Concen: 0.278 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007124.D
Acq: 13 Aug 2019 10:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	42.6	63.8
63	27.7	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: 0.307 ng

RT: 6.62 min Scan# 446

Delta R.T. 0.01 min

Lab File: BN007124.D

Acq: 13 Aug 2019 10:31

Instrument :

BNA_N

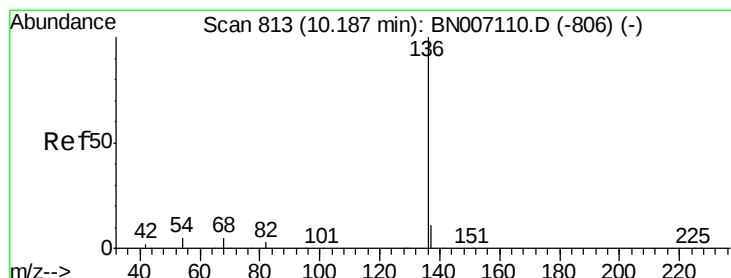
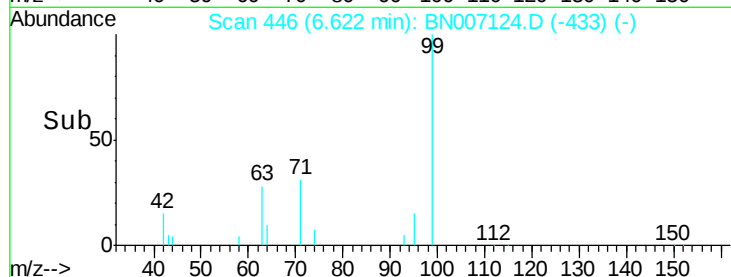
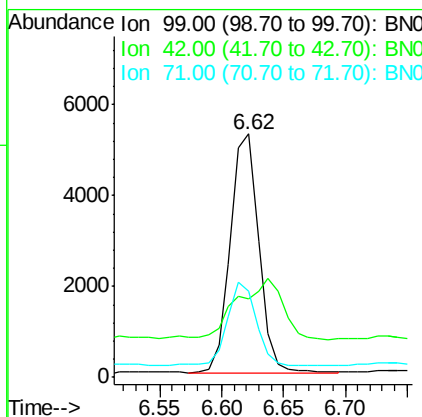
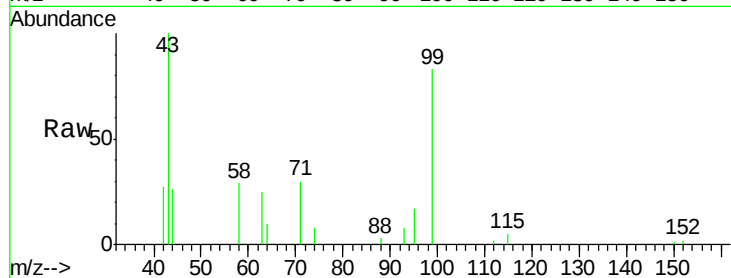
ClientSampleId :

PST-013-B207-080519

Tot Ion:	99	Resp:	8407
Ion Ratio	Lower	Upper	
99	100		
42	0.0	15.8	23.6#
71	35.9	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

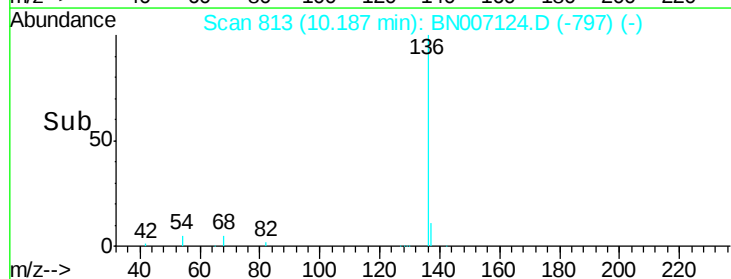
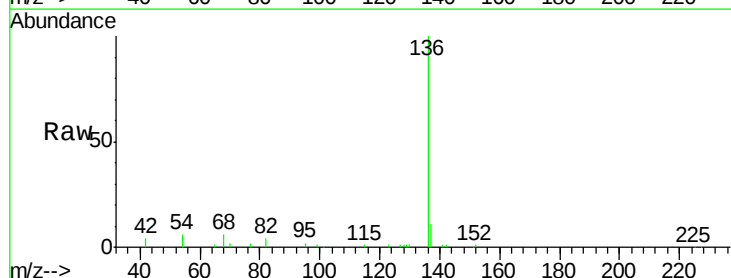
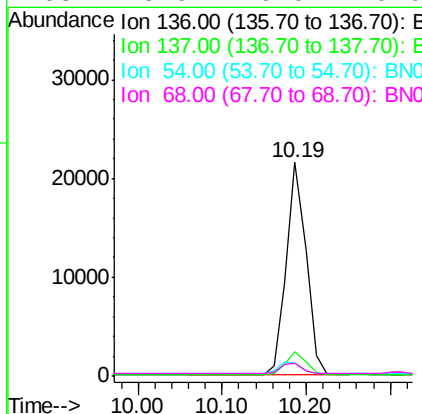
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007124.D

Acq: 13 Aug 2019 10:31

Tgt Ion:	136	Resp:	35590
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.4	14.0
54	6.2	6.6	9.8#
68	5.9	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.235 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007124.D

Acq: 13 Aug 2019 10:31

Instrument :

BNA_N

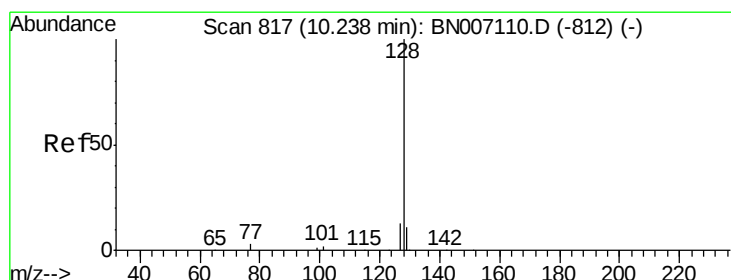
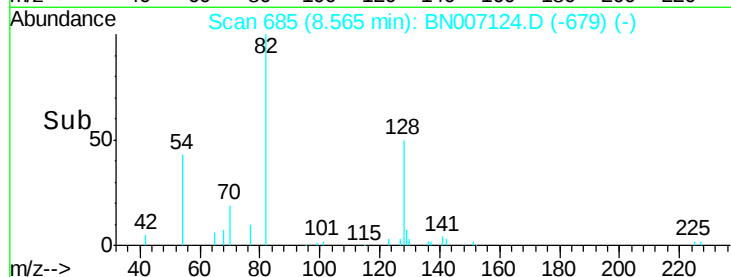
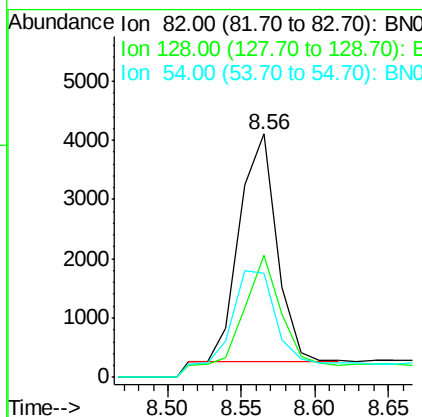
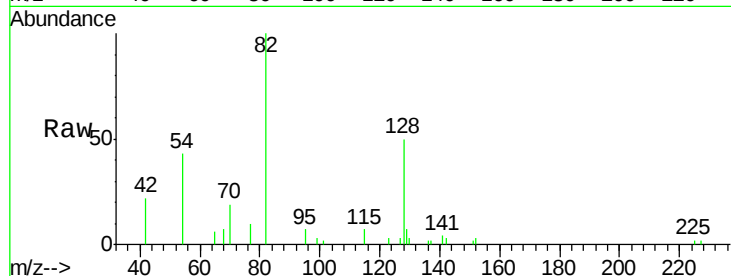
ClientSampleId :

PST-013-B207-080519

Tot Ion:	82	Resp:	6739
Ion	Ratio	Lower	Upper
82	100		
128	50.3	34.6	51.8
54	42.9	36.2	54.4

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#8

Naphthalene

Concen: 0.034 ng

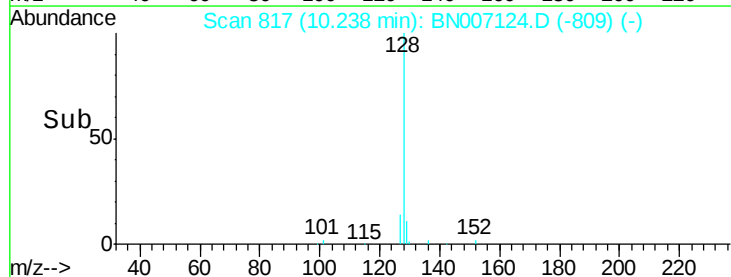
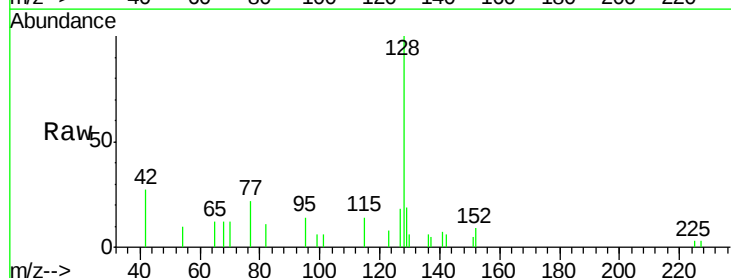
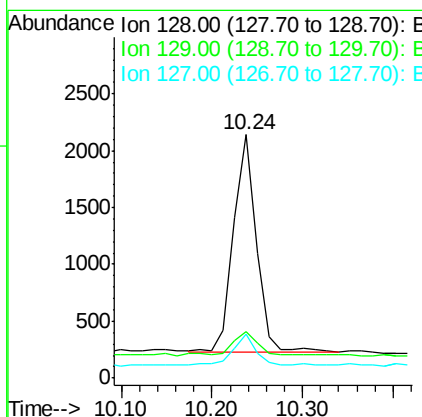
RT: 10.24 min Scan# 817

Delta R.T. -0.00 min

Lab File: BN007124.D

Acq: 13 Aug 2019 10:31

Tgt Ion:	128	Resp:	3347
Ion	Ratio	Lower	Upper
128	100		
129	19.1	9.4	14.2#
127	17.8	11.0	16.6#





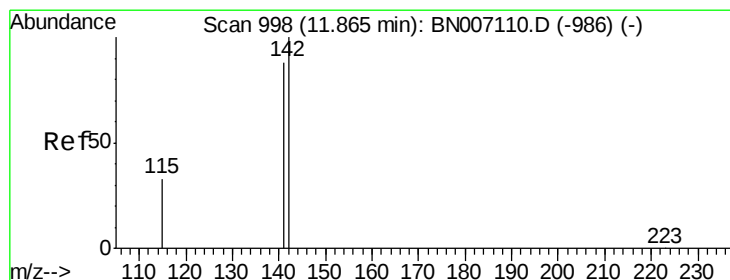
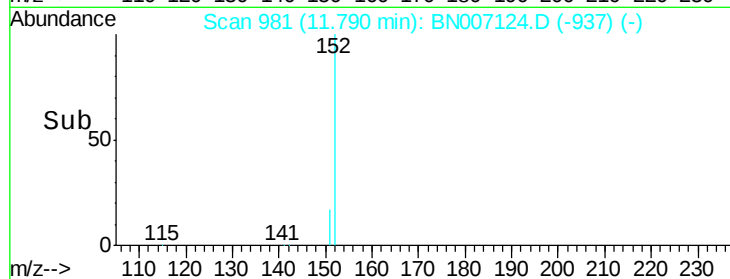
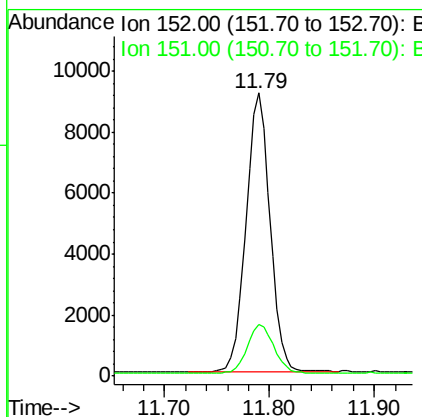
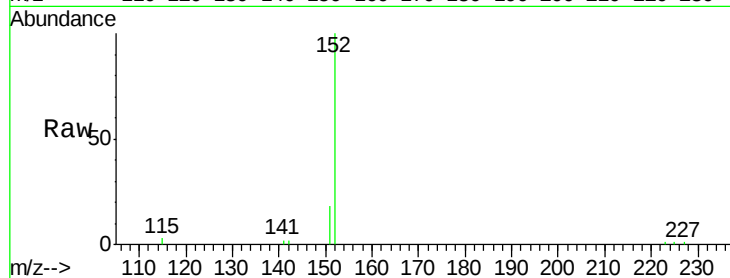
#10
2-Methylnaphthalene-d10
Concen: 0.218 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007124.D
Acq: 13 Aug 2019 10:31

Instrument :
BNA_N
ClientSampleId :
PST-013-B207-080519

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3

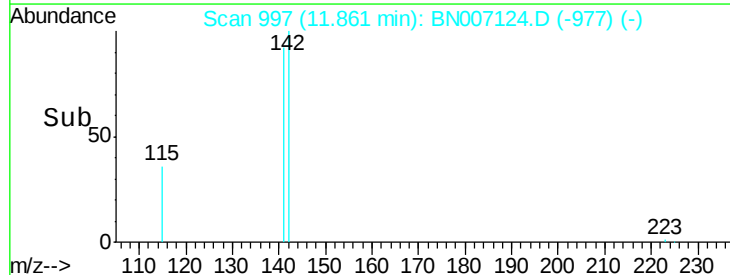
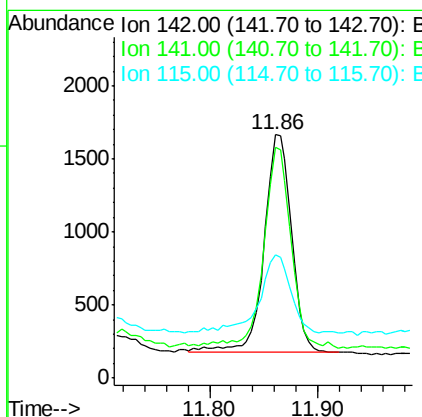
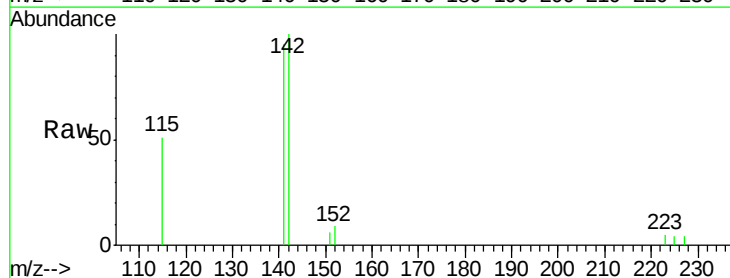
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#11
2-Methylnaphthalene
Concen: 0.037 ng
RT: 11.86 min Scan# 997
Delta R.T. -0.01 min
Lab File: BN007124.D
Acq: 13 Aug 2019 10:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.6	69.0	103.6
115	50.7	27.1	40.7#





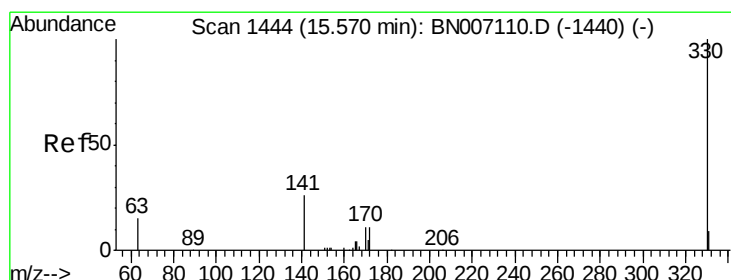
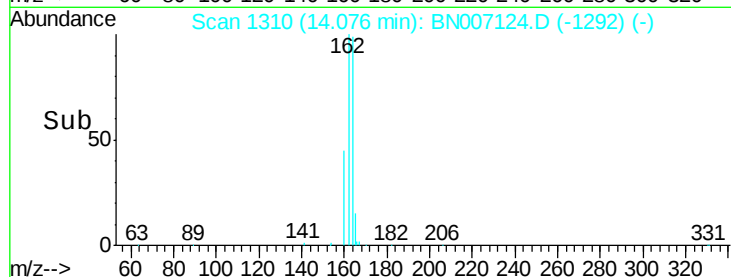
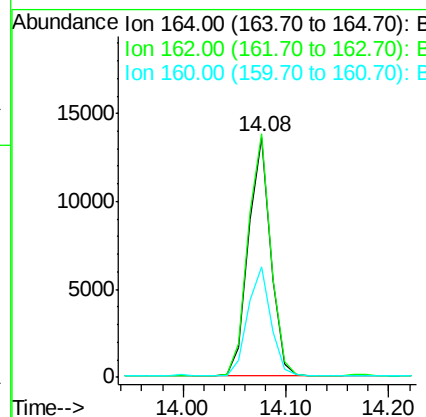
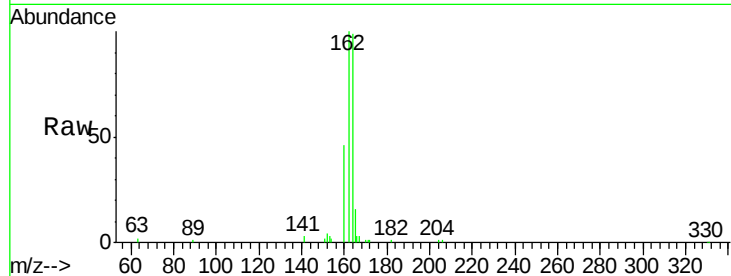
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007124.D
Acq: 13 Aug 2019 10:31

Instrument :
BNA_N
ClientSampleId :
PST-013-B207-080519

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.2	123.4
160	46.3	38.3	57.5

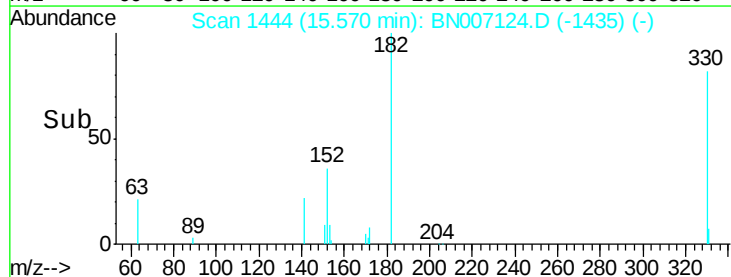
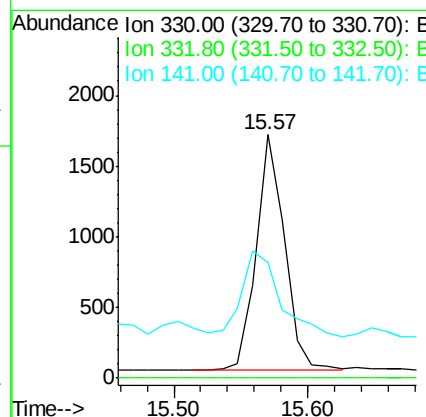
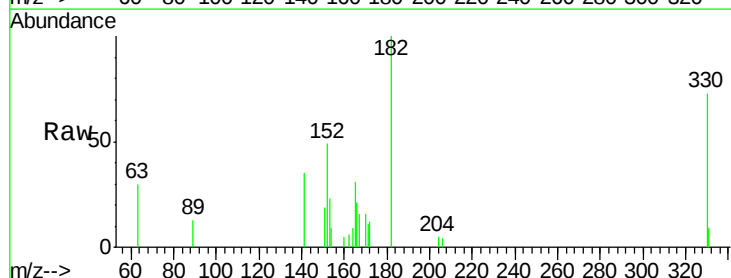
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#13
2,4,6-Tribromophenol
Concen: 0.227 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007124.D
Acq: 13 Aug 2019 10:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	48.6	33.6	50.4





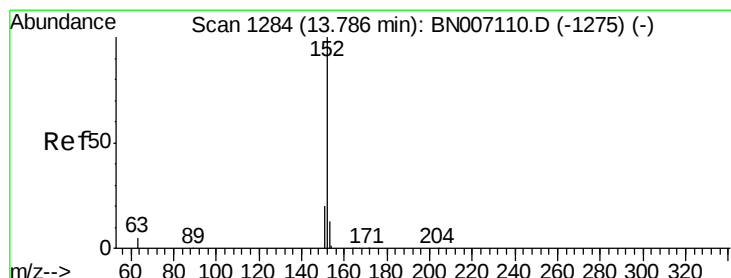
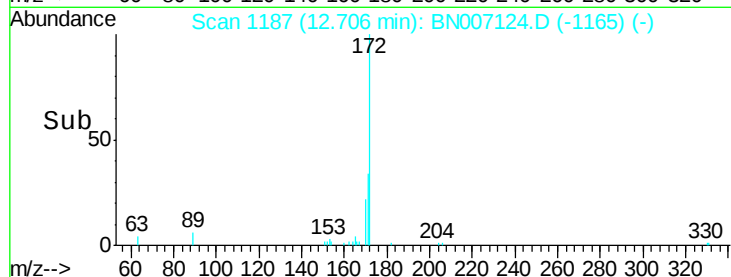
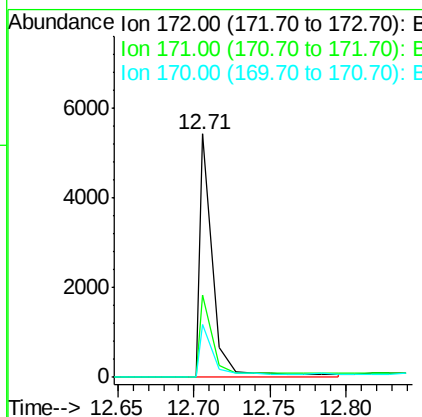
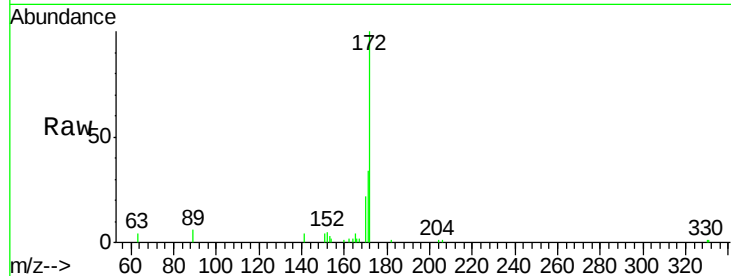
#14
2-Fluorobiphenyl
Concen: 0.134 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007124.D
Acq: 13 Aug 2019 10:31

Instrument :
BNA_N
ClientSampleId :
PST-013-B207-080519

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.9	26.3	39.5
170	21.7	17.0	25.4

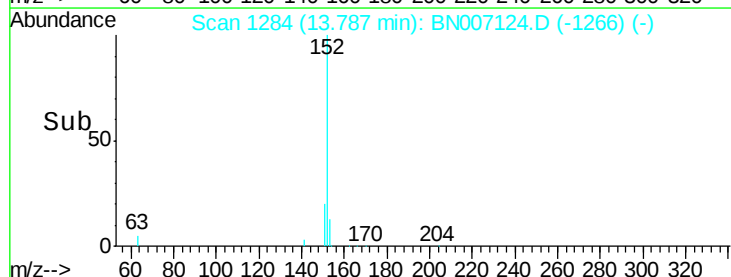
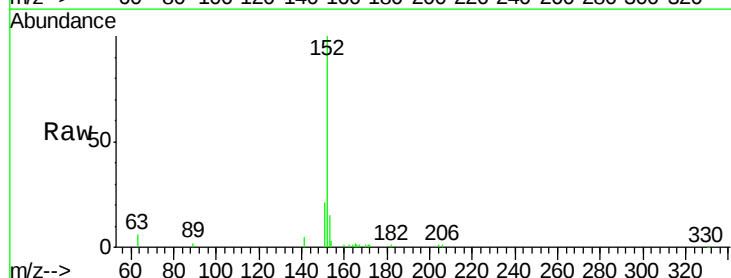
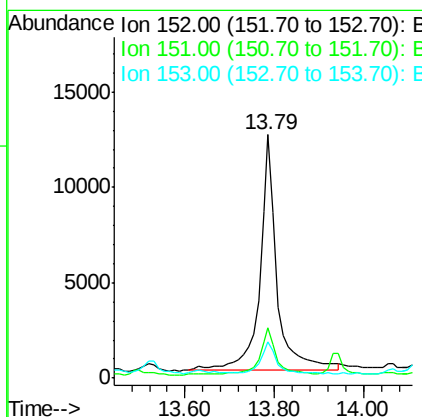
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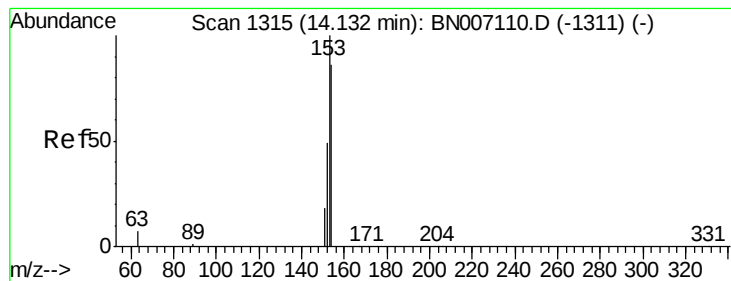
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#15
Acenaphthylene
Concen: 0.317 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007124.D
Acq: 13 Aug 2019 10:31

Tgt Ion	Ratio	Lower	Upper
152	100		
151	17.7	15.8	23.6
153	12.3	10.4	15.6





#16

Acenaphthene

Concen: 0.161 ng

RT: 14.13 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BN007124.D

Acq: 13 Aug 2019 10:31

Instrument :

BNA_N

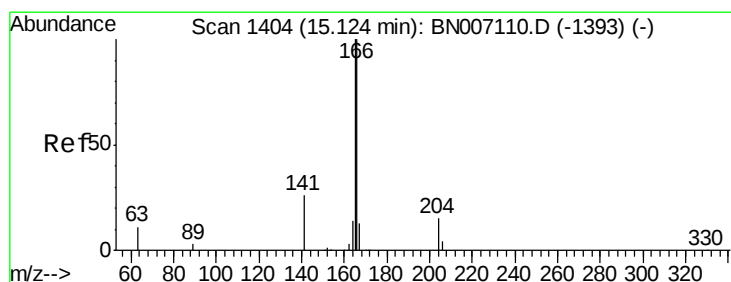
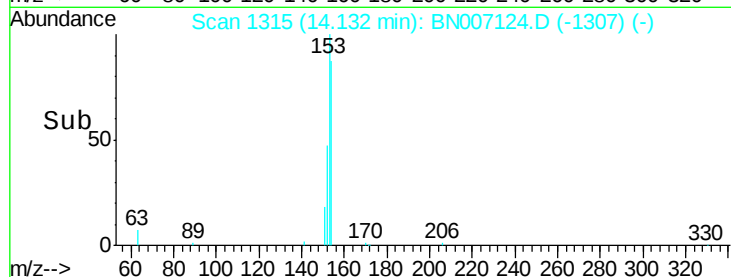
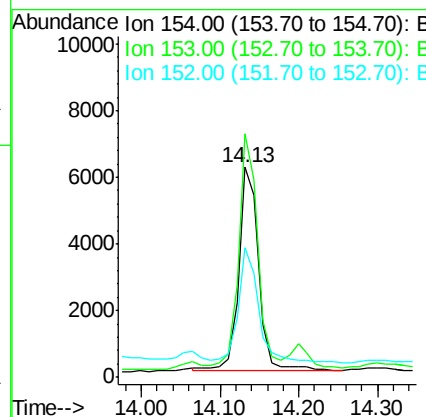
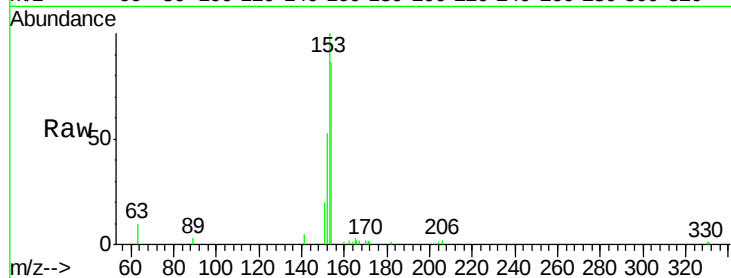
ClientSampleId :

PST-013-B207-080519

Tot Ion:	154	Resp:	10925
Ion Ratio	Lower	Upper	
154	100		
153	105.7	89.5	134.3
152	58.2	44.8	67.2

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#17

Fluorene

Concen: 0.156 ng

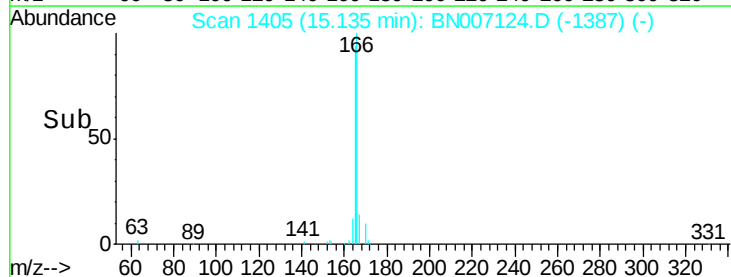
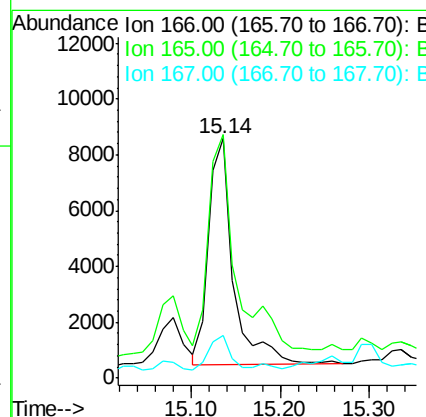
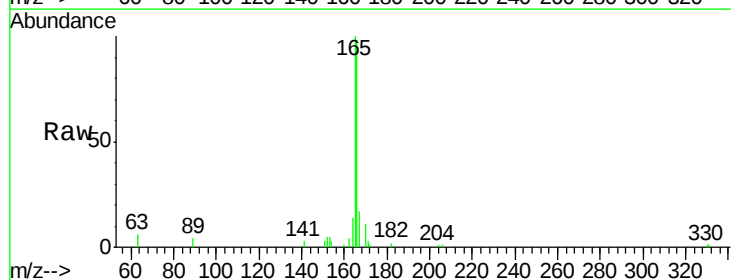
RT: 15.14 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BN007124.D

Acq: 13 Aug 2019 10:31

Tgt Ion:	166	Resp:	15832
Ion Ratio	Lower	Upper	
166	100		
165	108.0	77.9	116.9
167	13.4	10.9	16.3





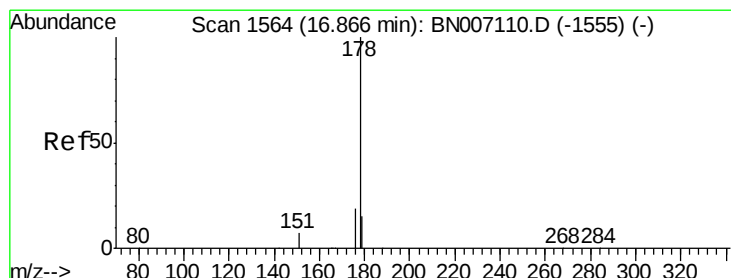
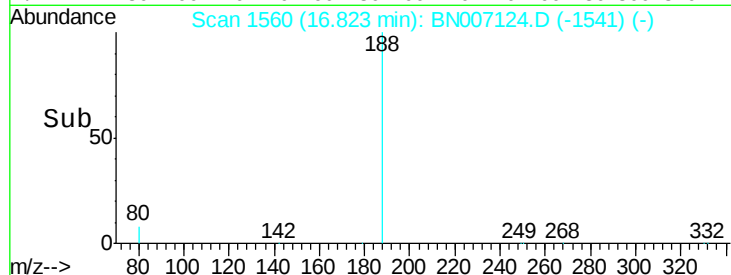
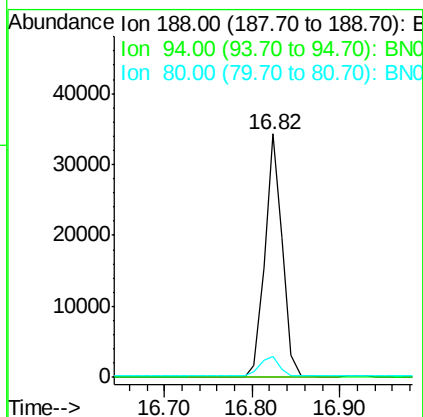
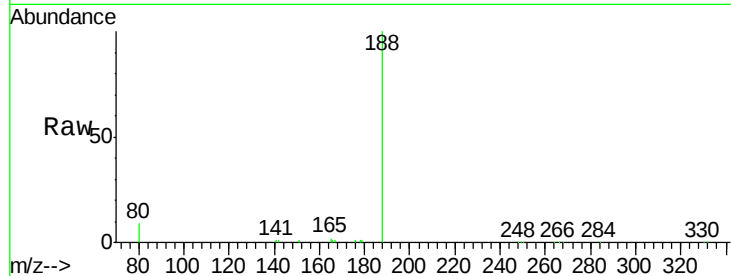
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007124.D
Acq: 13 Aug 2019 10:31

Instrument :
BNA_N
ClientSampleId :
PST-013-B207-080519

Tot Ion	Ratio	Resp	Lower	Upper
188	100	47416		
94	0.0	0.0	0.0	0.0
80	8.6	7.8	11.6	

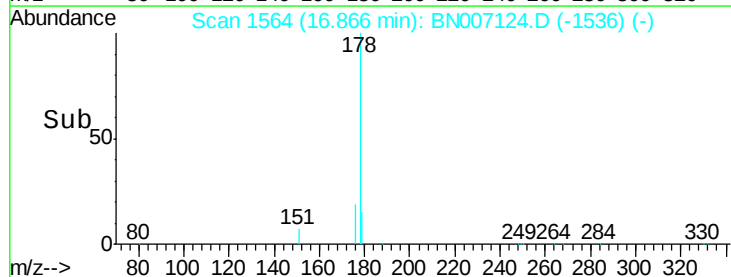
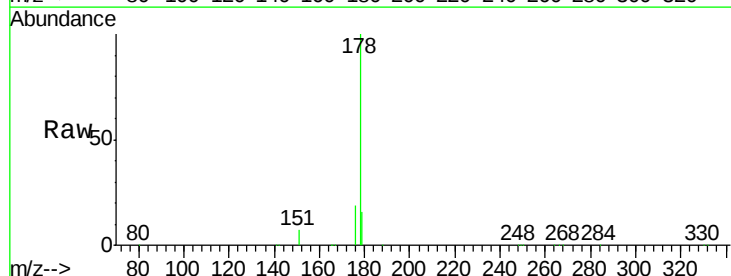
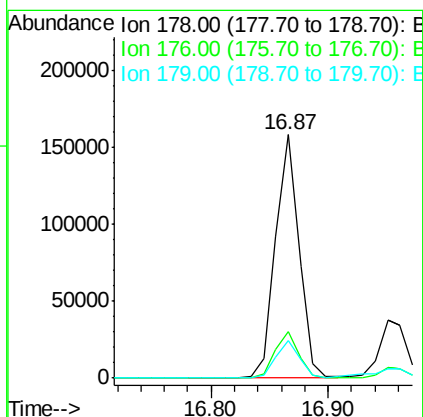
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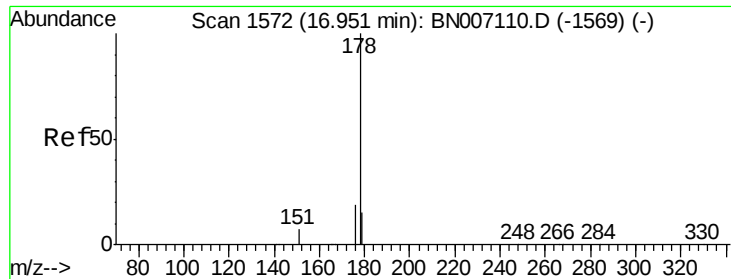
mohammad
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#22
Phenanthrene
Concen: 1.553 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007124.D
Acq: 13 Aug 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	220626		
176	18.9	15.2	22.8	
179	15.5	12.3	18.5	





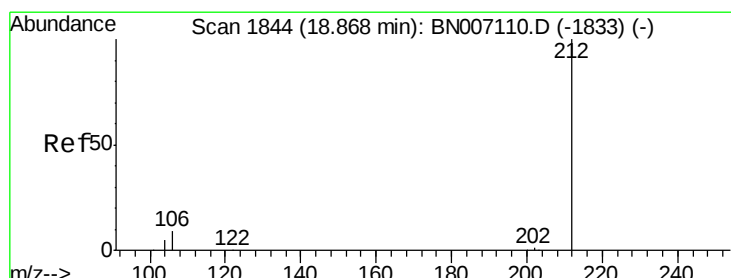
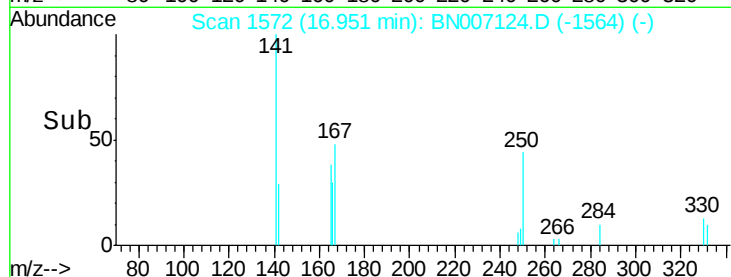
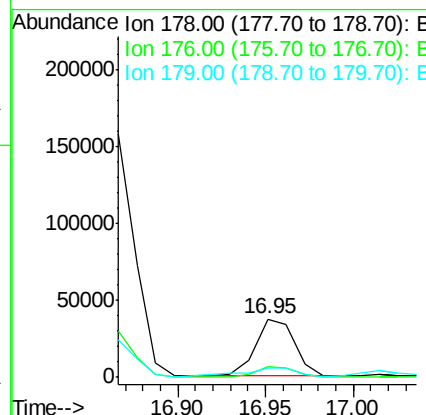
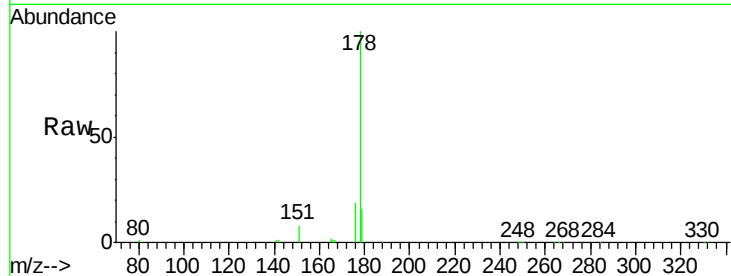
#23
 Anthracene
 Concen: 0.450 ng
 RT: 16.95 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BN007124.D
 Acq: 13 Aug 2019 10:31

Instrument :
 BNA_N
 ClientSampleId :
 PST-013-B207-080519

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	20.0	12.5	18.7

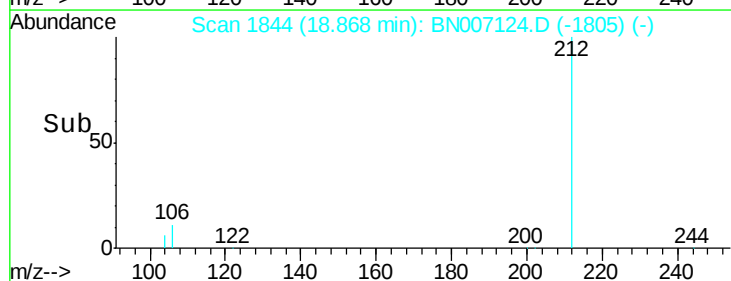
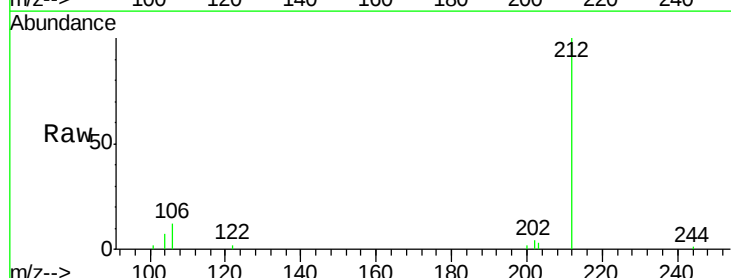
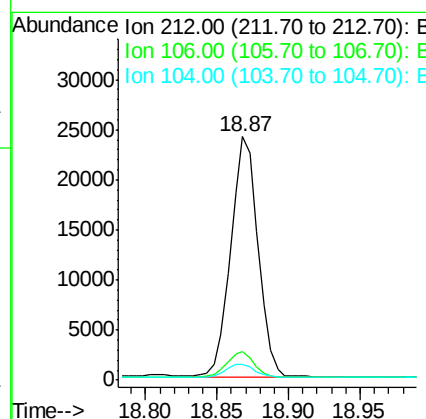
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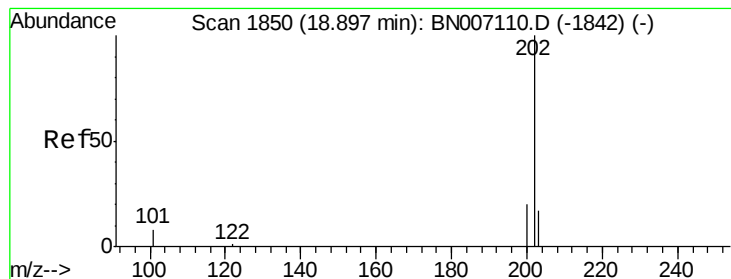
mohammad
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#24
 Fluoranthene-d10
 Concen: 0.189 ng
 RT: 18.87 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: BN007124.D
 Acq: 13 Aug 2019 10:31

Tgt Ion	Ratio	Lower	Upper
212	100		
106	10.4	8.2	12.2
104	6.0	4.5	6.7





#25

Fluoranthene

Concen: 1.836 ng

RT: 18.90 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BN007124.D

Acq: 13 Aug 2019 10:31

Instrument :

BNA_N

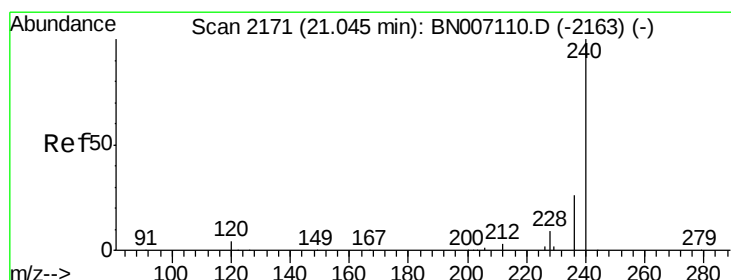
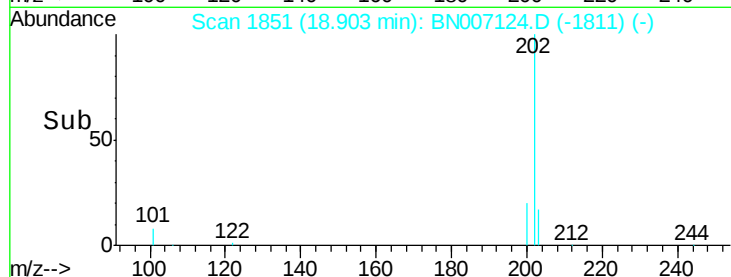
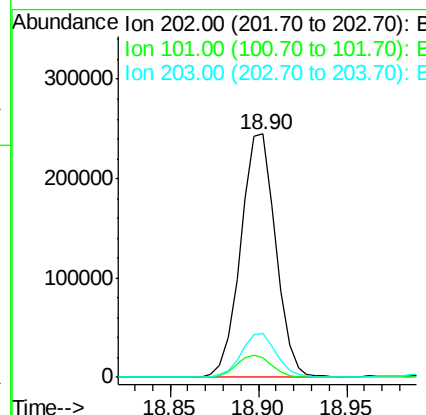
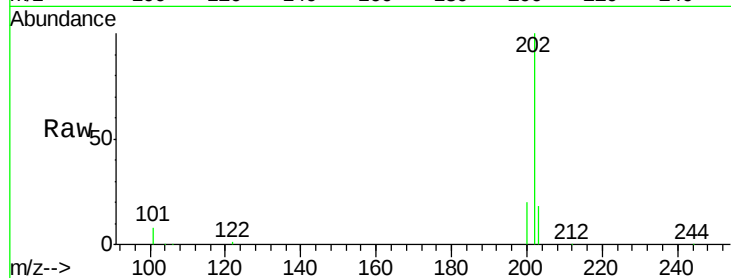
ClientSampleId :

PST-013-B207-080519

Tot Ion:	202	Resp:	333740
Ion Ratio	Lower	Upper	
202	100		
101	8.9	7.0	10.4
203	17.4	13.8	20.8

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#26

Chrysene-d12

Concen: 0.400 ng

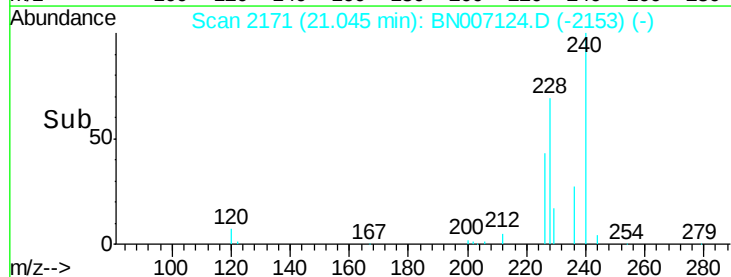
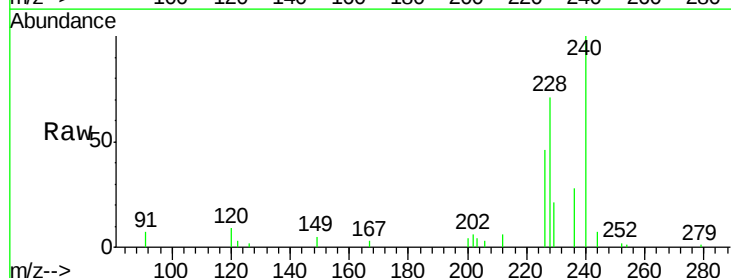
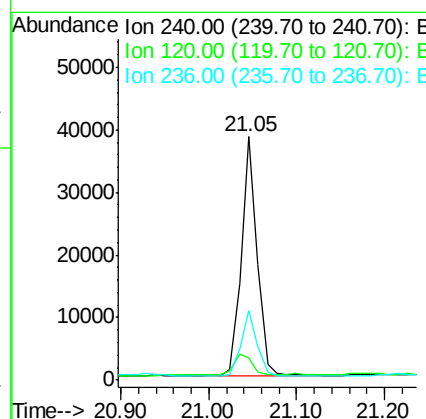
RT: 21.05 min Scan# 2171

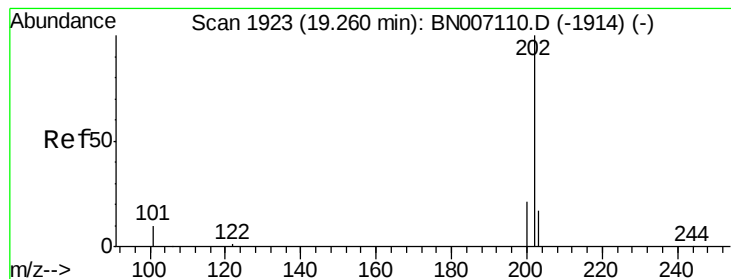
Delta R.T. -0.01 min

Lab File: BN007124.D

Acq: 13 Aug 2019 10:31

Tgt Ion:	240	Resp:	48020
Ion Ratio	Lower	Upper	
240	100		
120	8.9	4.0	6.0#
236	28.3	21.3	31.9





#27

Pvrene

Concen: 1.811 ng

RT: 19.26 min Scan# 1924

Delta R.T. -0.00 min

Lab File: BN007124.D

Acq: 13 Aug 2019 10:31

Instrument :

BNA_N

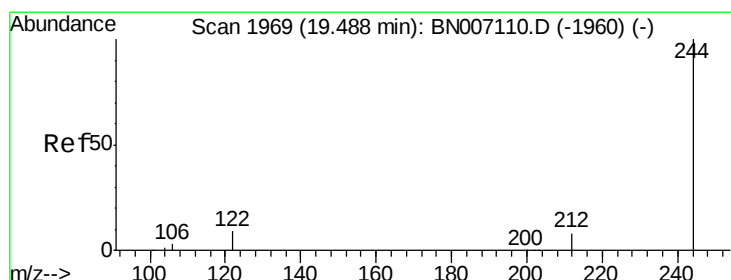
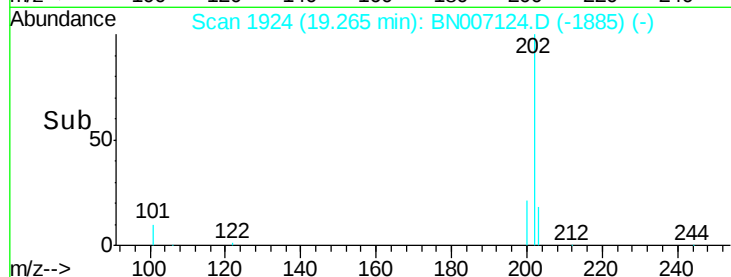
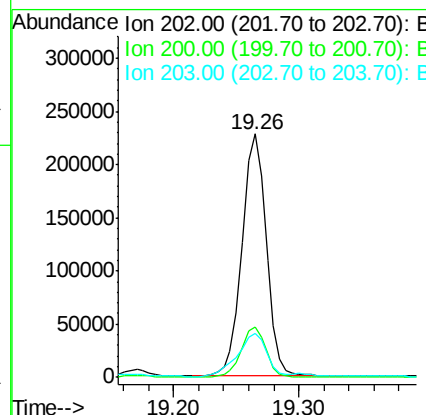
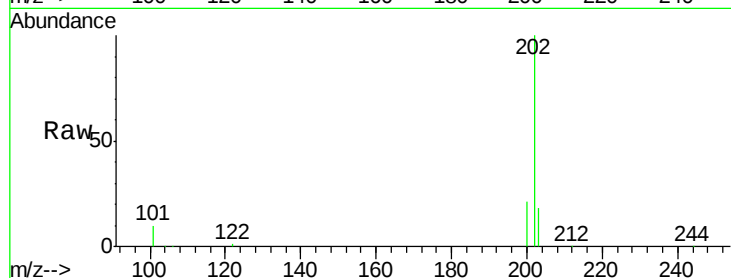
ClientSampleId :

PST-013-B207-080519

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.9	16.6	24.8	
203	21.7	14.0	21.0	

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#28

Terphenyl-d14

Concen: 0.180 ng

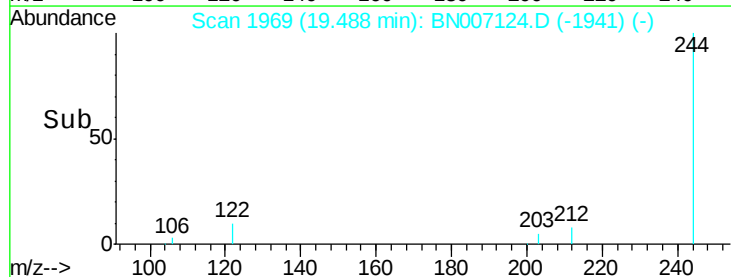
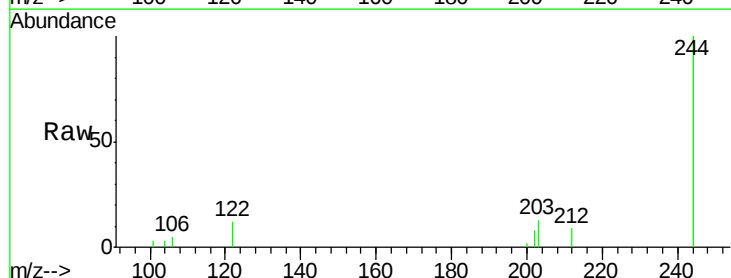
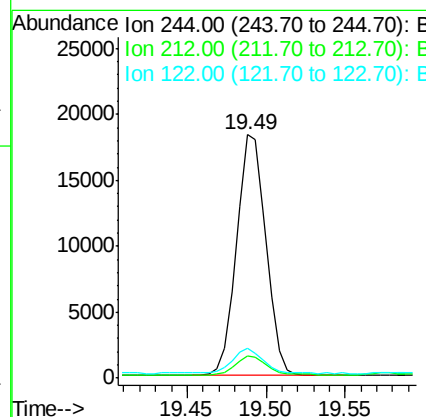
RT: 19.49 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BN007124.D

Acq: 13 Aug 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	9.0	6.2	9.2	
122	12.2	7.4	11.2	





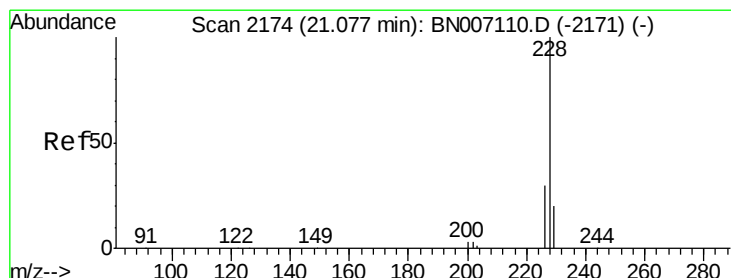
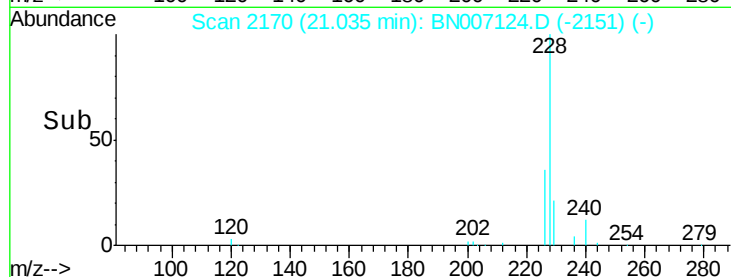
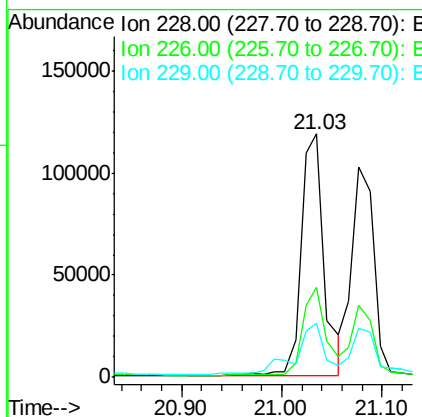
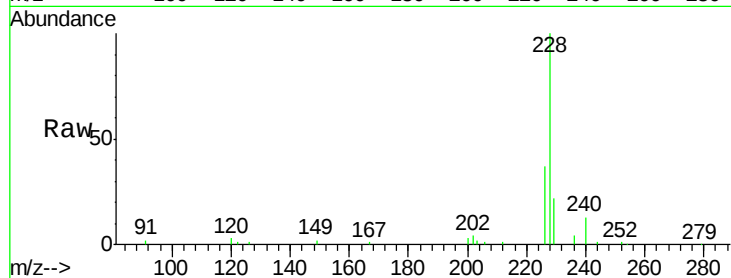
#29
Benzo(a)anthracene
Concen: 1.077 ng
RT: 21.03 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BN007124.D
Acq: 13 Aug 2019 10:31

Instrument :
BNA_N
ClientSampleId :
PST-013-B207-080519

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.0	21.8	32.6#
229	22.1	15.6	23.4

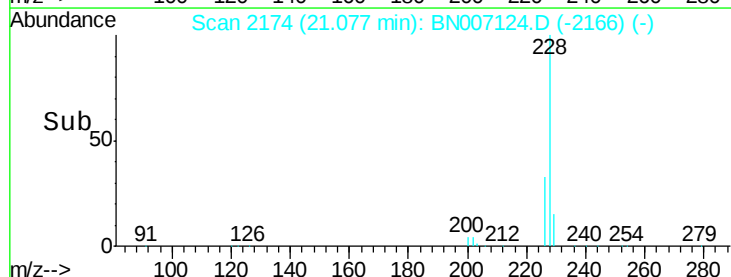
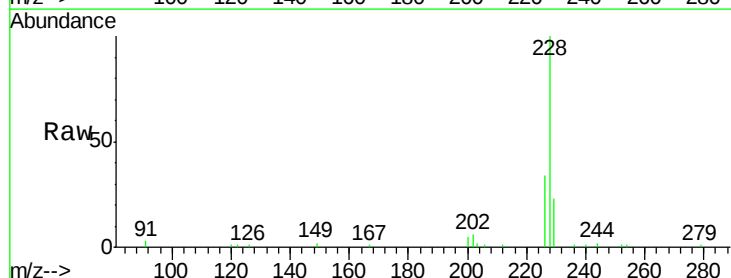
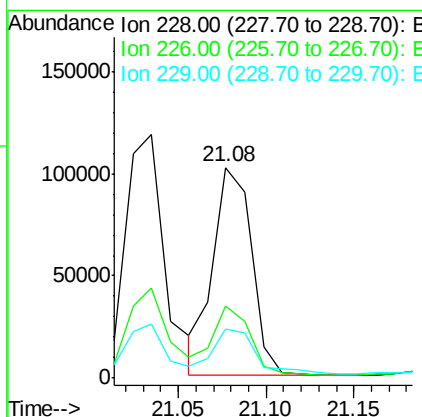
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#30
Chrysene
Concen: 0.910 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007124.D
Acq: 13 Aug 2019 10:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.1	23.8	35.6
229	23.3	15.7	23.5





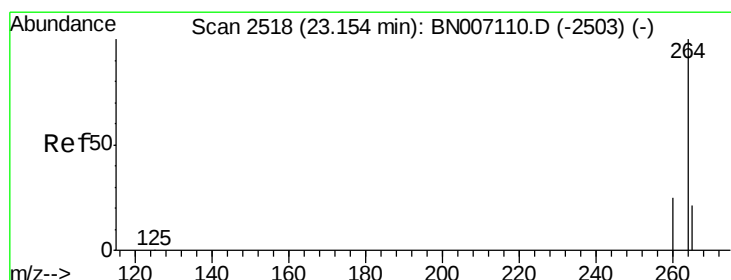
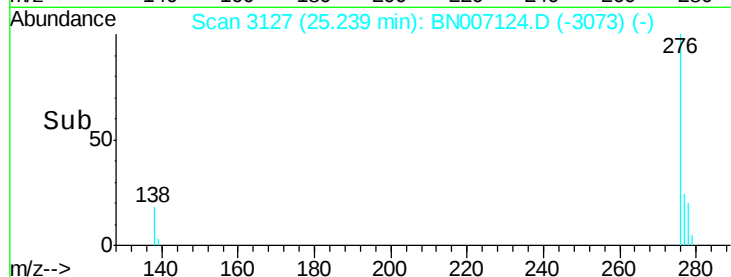
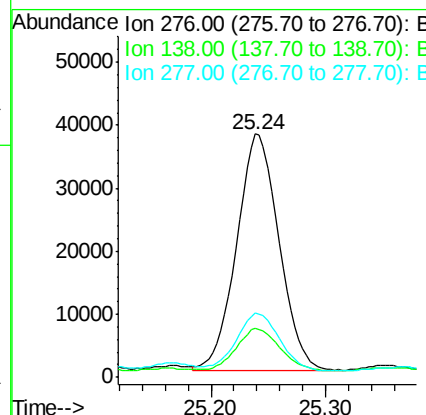
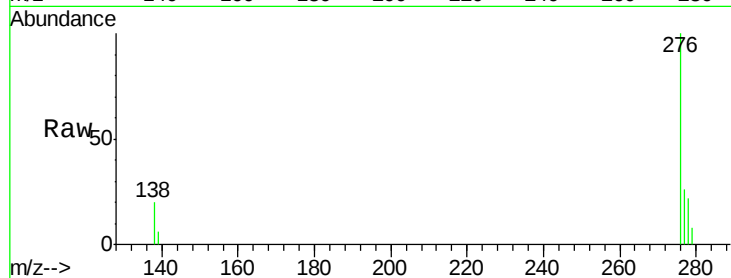
#31
Indeno(1,2,3-cd)pyrene
Concen: 0.508 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BN007124.D
Acq: 13 Aug 2019 10:31

Instrument :
BNA_N
ClientSampleId :
PST-013-B207-080519

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.8	16.0	24.0
277	25.0	19.9	29.9

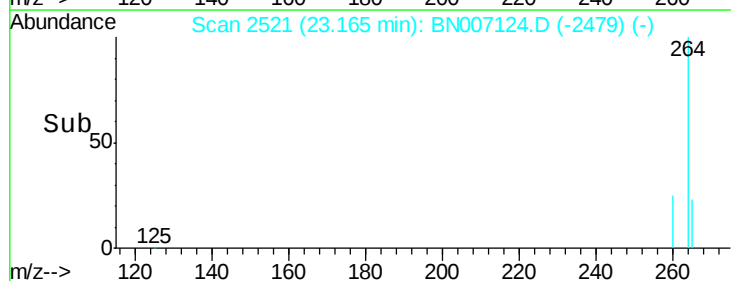
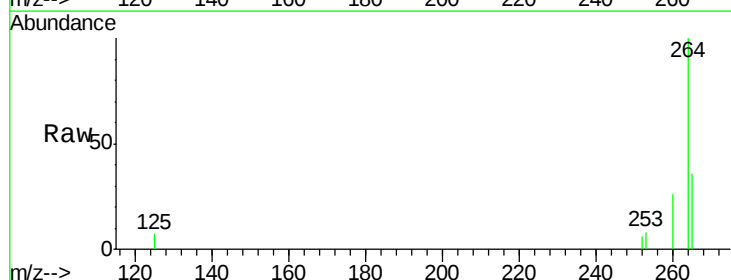
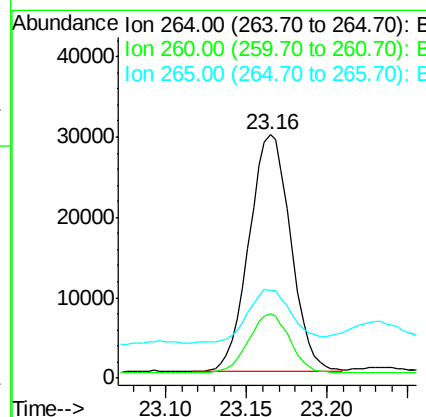
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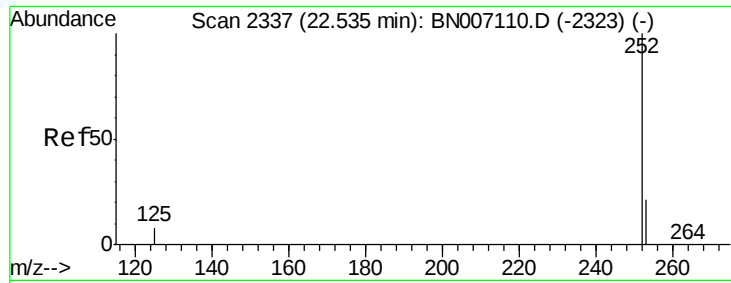
mohammad
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#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2521
Delta R.T. -0.01 min
Lab File: BN007124.D
Acq: 13 Aug 2019 10:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.2	19.8	29.8
265	36.1	26.2	39.4





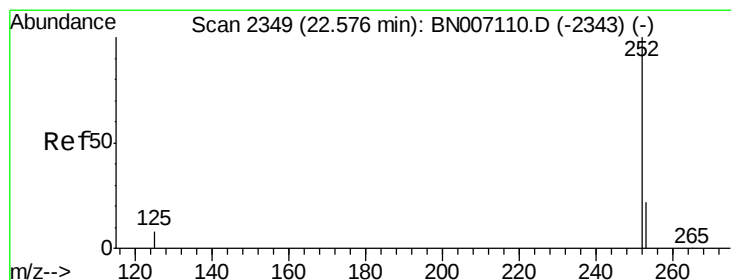
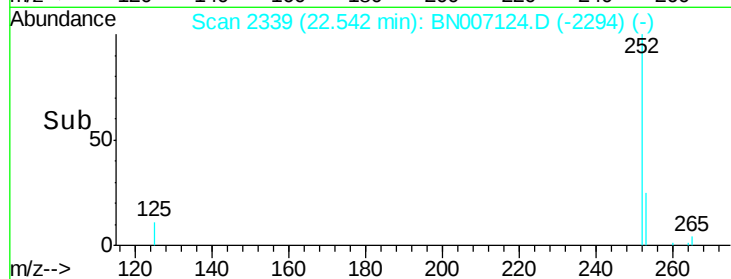
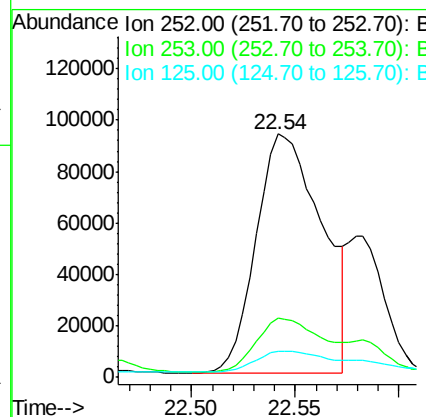
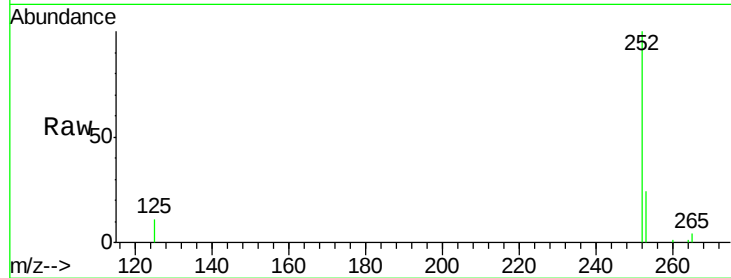
#33
Benzo(b)fluoranthene
Concen: 1.128 ng
RT: 22.54 min Scan# 2339
Delta R.T. -0.01 min
Lab File: BN007124.D
Acq: 13 Aug 2019 10:31

Instrument :
BNA_N
ClientSampleId :
PST-013-B207-080519

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	10.6	7.4	11.0

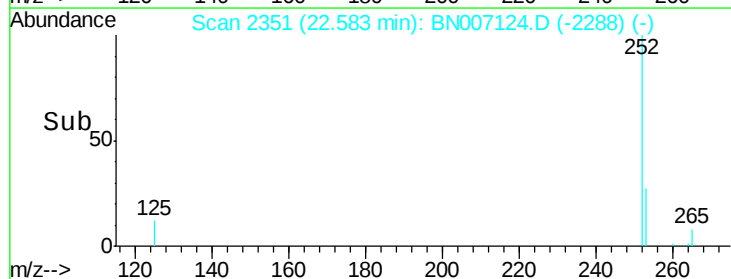
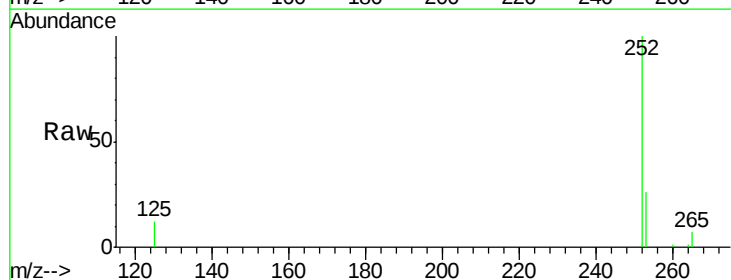
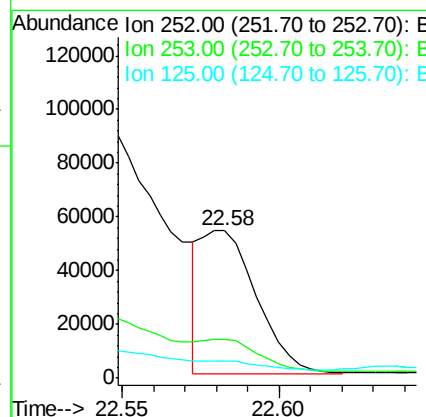
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#34
Benzo(k)fluoranthene
Concen: 0.365 ng m
RT: 22.58 min Scan# 2351
Delta R.T. -0.01 min
Lab File: BN007124.D
Acq: 13 Aug 2019 10:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.1	27.1
125	11.9	7.4	11.0#





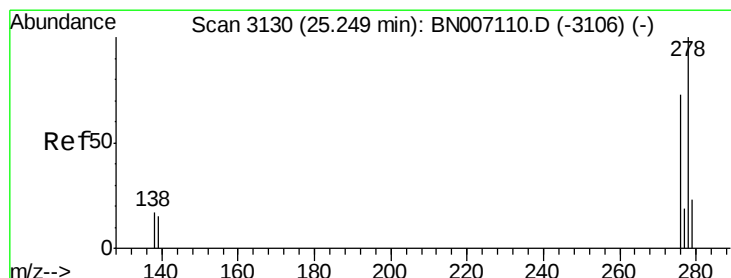
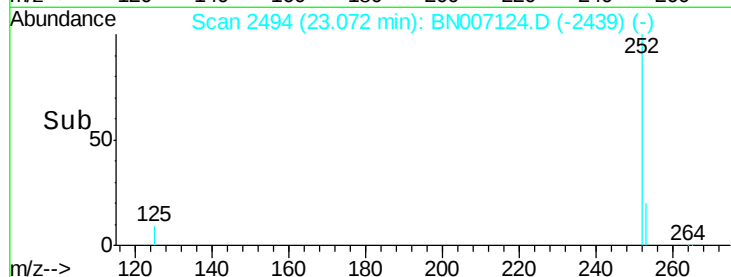
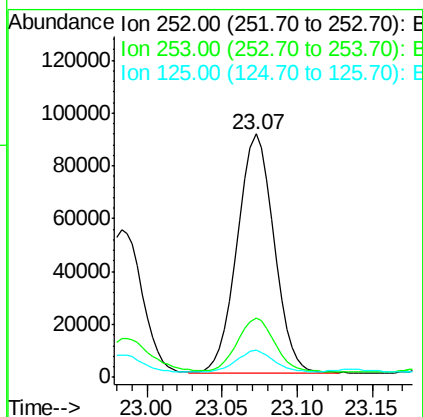
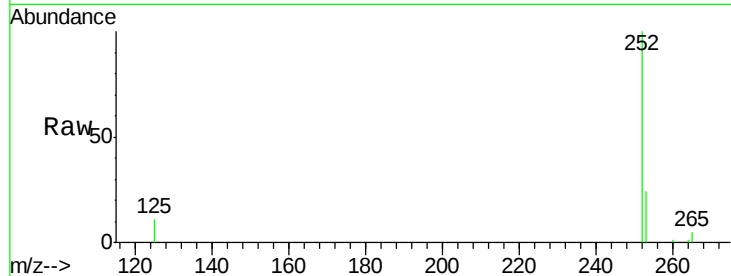
#35
Benzo(a)pyrene
Concen: 0.911 ng
RT: 23.07 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BN007124.D
Acq: 13 Aug 2019 10:31

Instrument :
BNA_N
ClientSampleId :
PST-013-B207-080519

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.5	27.7
125	11.0	8.2	12.4

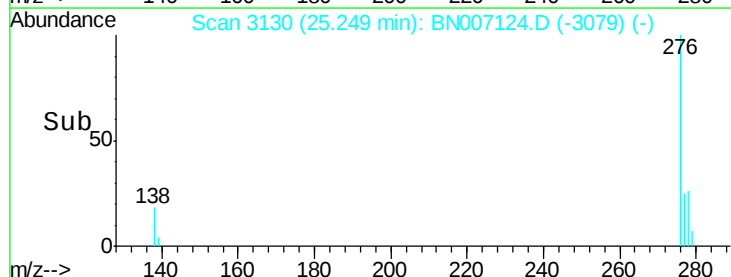
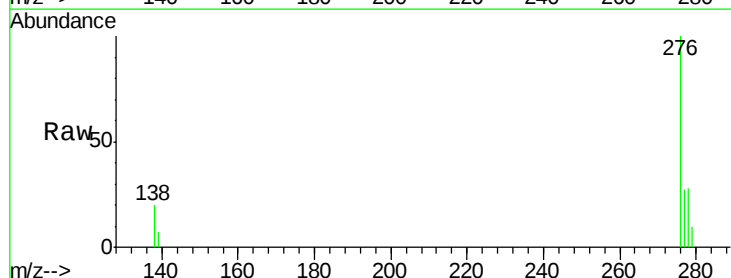
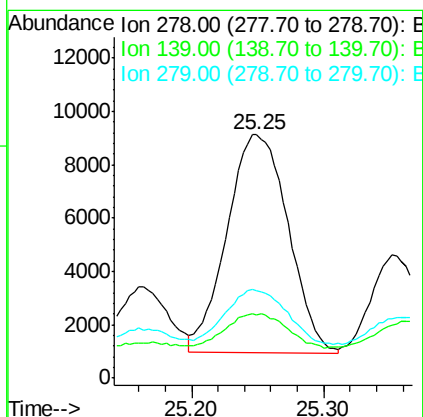
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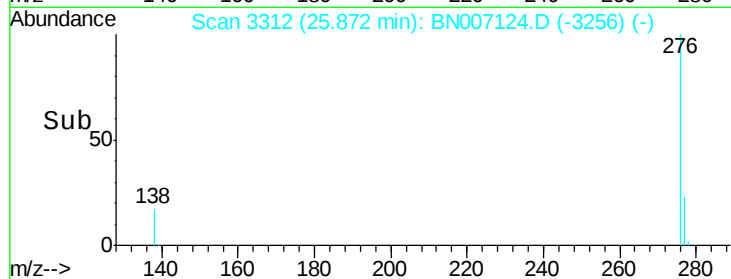
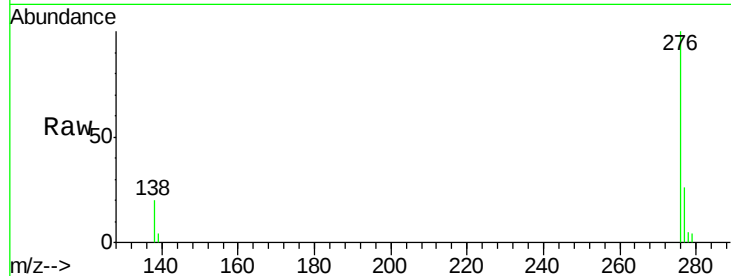
mohammad
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#36
Dibenzo(a,h)anthracene
Concen: 0.161 ng
RT: 25.25 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BN007124.D
Acq: 13 Aug 2019 10:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.0	11.3	16.9#
279	35.9	19.3	28.9#





#37
 Benzo(a,h,i)perylene
 Concen: 0.530 ng
 RT: 25.87 min Scan# 3312
 Delta R.T. -0.01 min
 Lab File: BN007124.D
 Acq: 13 Aug 2019 10:31

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.2	19.8	29.8
138	20.1	14.6	22.0

Instrument :
 BNA_N
 ClientSampleId :
 PST-013-B207-080519

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