

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
 Data File : BN007120.D
 Acq On : 13 Aug 2019 08:07
 Operator : HP/JU
 Sample : K4144-10
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-SW120-073119

Manual Integrations
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mohammad
 8/14/2019 2:52:42 AM

Quant Time: Aug 13 13:12:07 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	10246	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	39972	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	30433	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	52547	0.40	ng	0.00
26) Chrysene-d12	21.06	240	62102	0.40	ng	0.00
32) Perylene-d12	23.17	264	91638	0.40	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	5.06	112	6898	0.28	ng	0.00
4) Phenol-d6	6.62	99	9498	0.31	ng	0.00
7) Nitrobenzene-d5	8.56	82	7885	0.24	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	15379	0.21	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	3134m	0.19	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	4303	0.10	ng	0.00
24) Fluoranthene-d10	18.87	212	31463	0.17	ng	0.00
28) Terphenyl-d14	19.49	244	33783	0.20	ng	0.00
Target Compounds						Qvalue
8) Naphthalene	10.24	128	238687	2.130	ng	99
11) 2-Methylnaphthalene	11.87	142	513334	6.464	ng	99
15) Acenaphthylene	13.79	152	2909311	18.290	ng	98
16) Acenaphthene	14.14	154	358519	3.519	ng	97
17) Fluorene	15.14	166	1496466	9.815	ng	93
22) Phenanthrene	16.87	178	10624622	67.467	ng	97
23) Anthracene	16.96	178	2972680	20.660	ng	99
25) Fluoranthene	18.91	202	7718106	38.314	ng	96
27) Pyrene	19.27	202	12372274	56.809	ng	# 94
29) Benzo(a)anthracene	21.03	228	6101628	26.866	ng	# 88
30) Chrysene	21.09	228	6157009	27.904	ng	95
31) Indeno(1,2,3-cd)pyrene	25.26	276	2307009	9.486	ng	99
33) Benzo(b)fluoranthene	22.56	252	4726814	15.042	ng	98
34) Benzo(k)fluoranthene	22.59	252	1345708m	4.336	ng	
35) Benzo(a)pyrene	23.08	252	4763423	16.721	ng	99
36) Dibenzo(a,h)anthracene	25.26	278	854707	3.007	ng	# 90
37) Benzo(a,h,i)perylene	25.89	276	2835550	9.698	ng	100

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

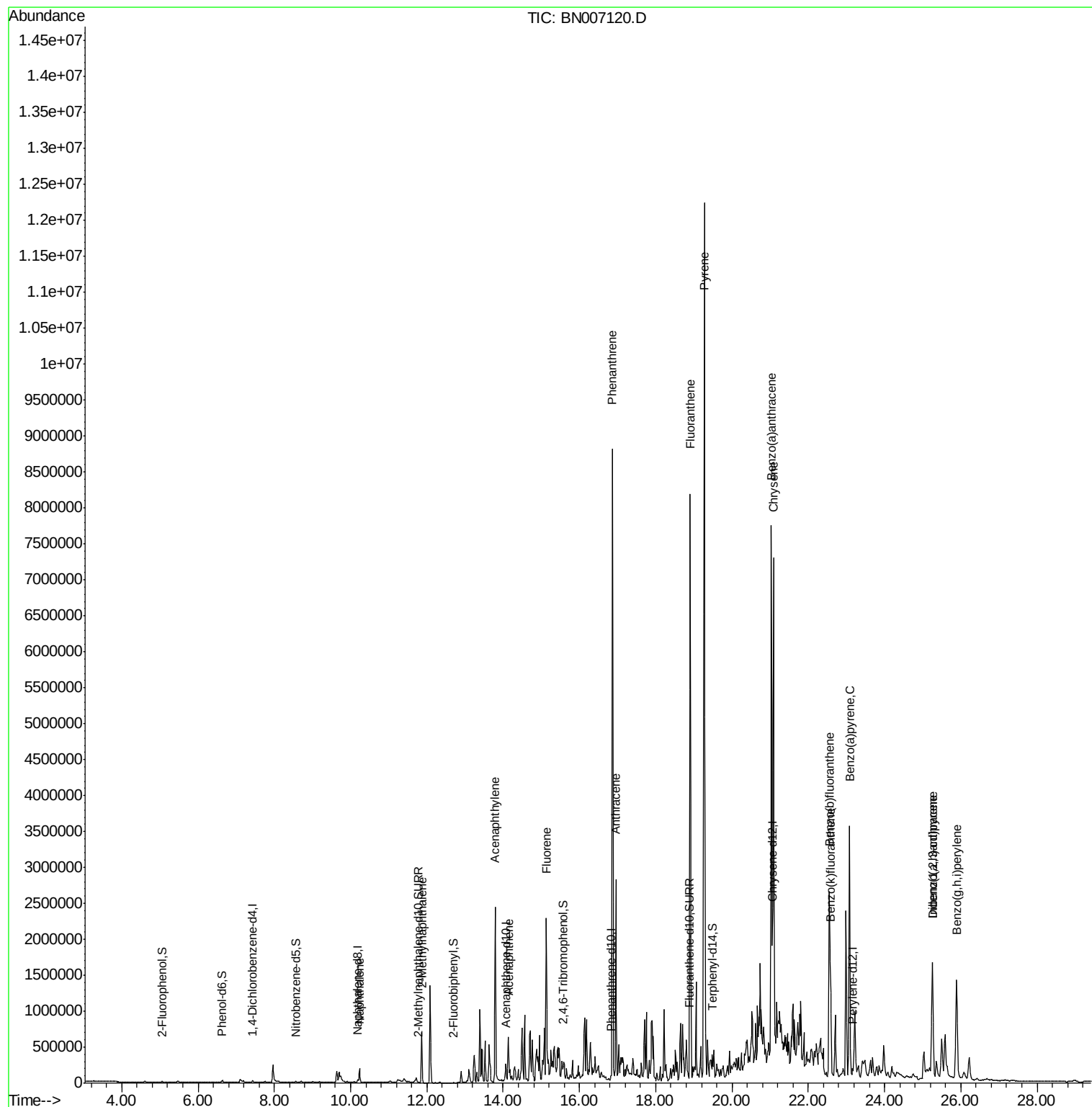
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007120.D
Acq On : 13 Aug 2019 08:07
Operator : HP/JU
Sample : K4144-10
Misc :
ALS Vial : 29 Sample Multiplier: 1

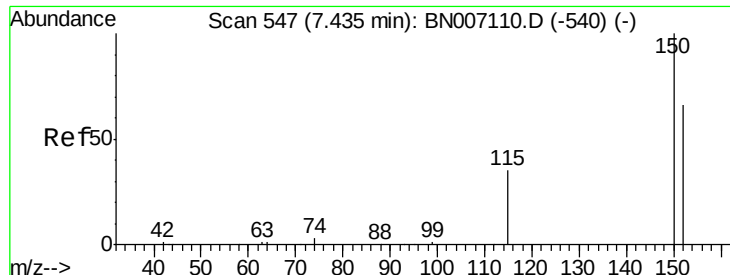
Instrument :
BNA_N
ClientSampleId :
PST-008-SW120-073119

Manual Integrations
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8/14/2019 2:52:42 AM

Quant Time: Aug 13 13:12:07 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





#1

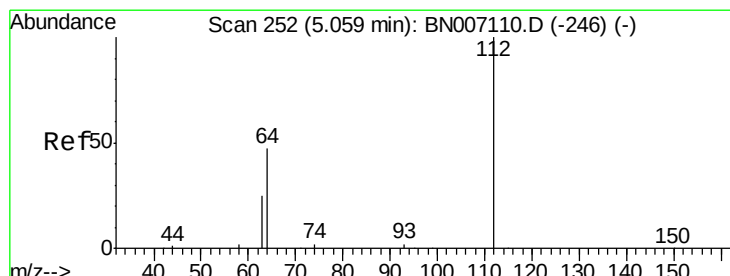
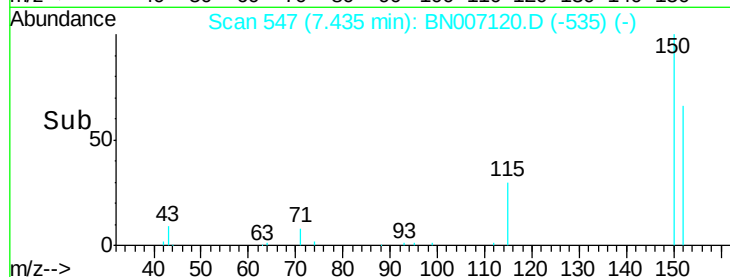
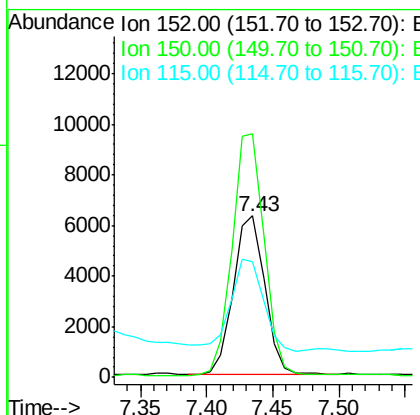
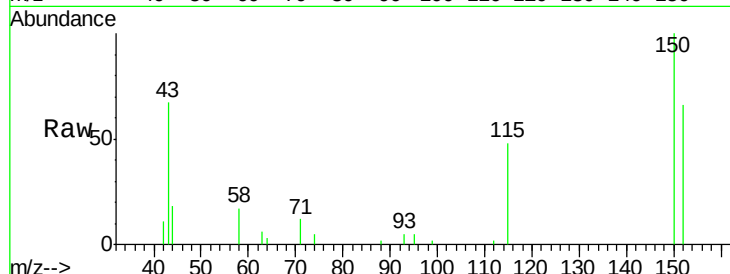
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Instrument :
BNA_N
ClientSampleId :
PST-008-SW120-073119

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	121.7	182.5
115	71.9	46.2	69.4

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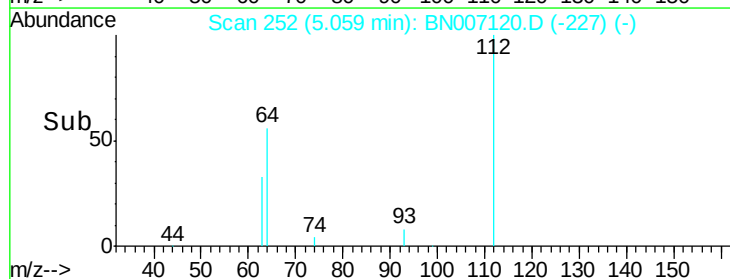
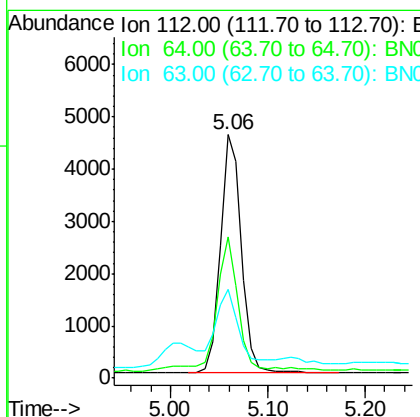
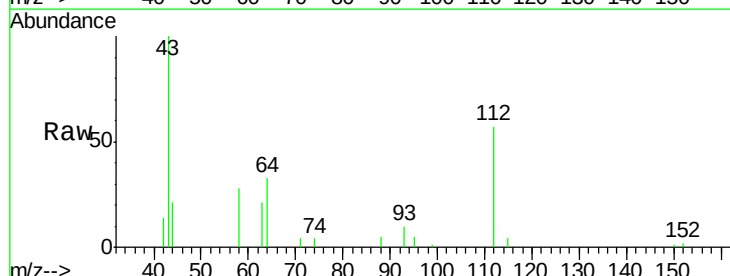
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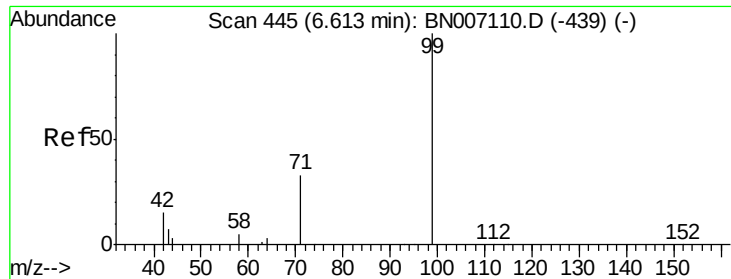


#3

2-Fluorophenol
Concen: 0.280 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	42.6	63.8
63	34.2	22.2	33.2





#4

Phenol-d6

Concen: 0.311 ng

RT: 6.62 min Scan# 446

Delta R.T. 0.01 min

Lab File: BN007120.D

Acq: 13 Aug 2019 08:07

Instrument :

BNA_N

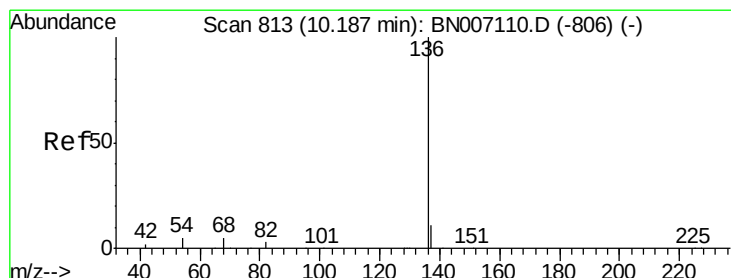
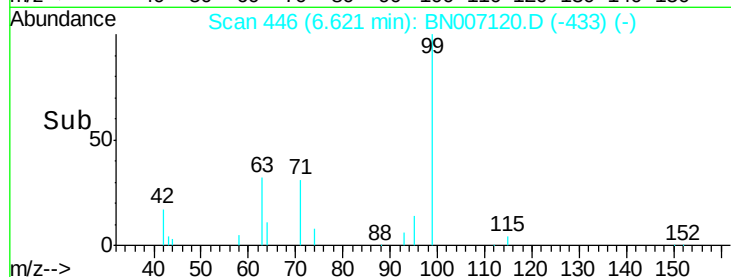
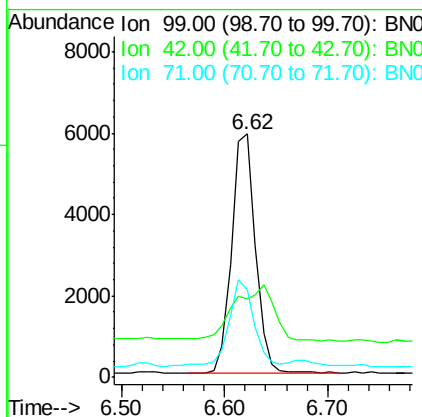
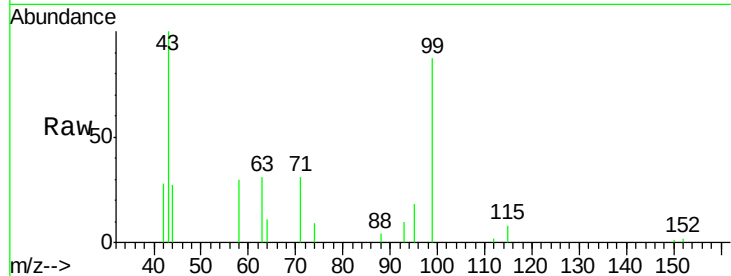
ClientSampleId :

PST-008-SW120-073119

Tot Ion:	99	Resp:	9498
Ion Ratio	Lower	Upper	
99	100		
42	0.0	15.8	23.6#
71	38.7	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

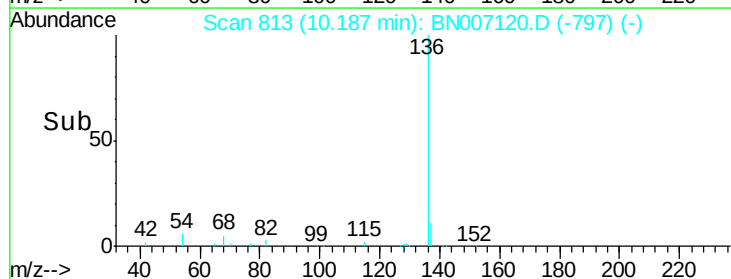
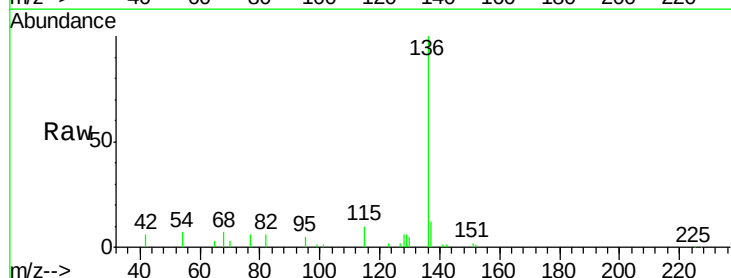
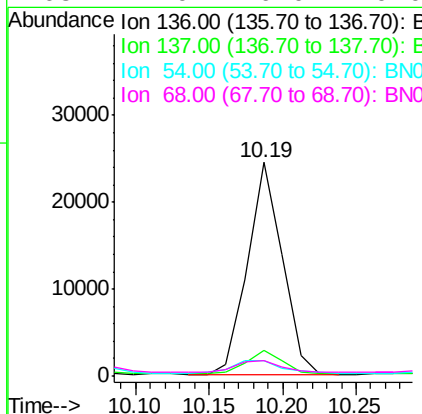
RT: 10.19 min Scan# 813

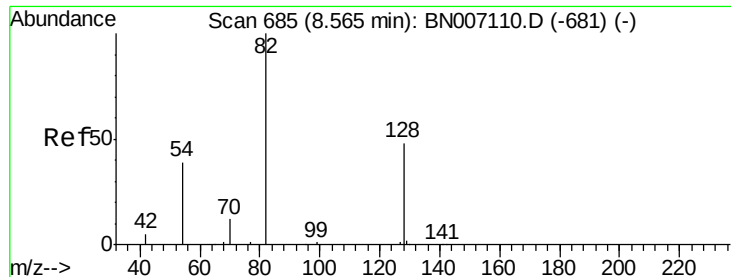
Delta R.T. -0.00 min

Lab File: BN007120.D

Acq: 13 Aug 2019 08:07

Tgt Ion:	136	Resp:	39972
Ion Ratio	Lower	Upper	
136	100		
137	12.0	9.4	14.0
54	7.0	6.6	9.8
68	7.0	6.0	9.0





#7

Nitrobenzene-d5

Concen: 0.245 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007120.D

Acq: 13 Aug 2019 08:07

Instrument :

BNA_N

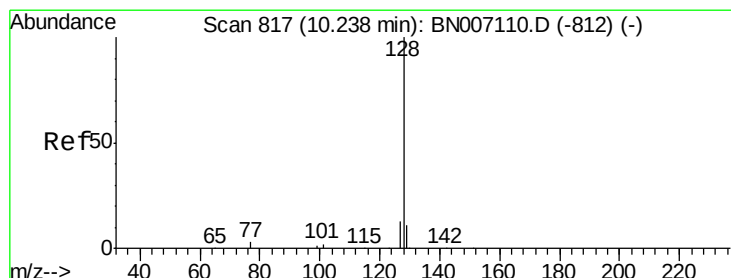
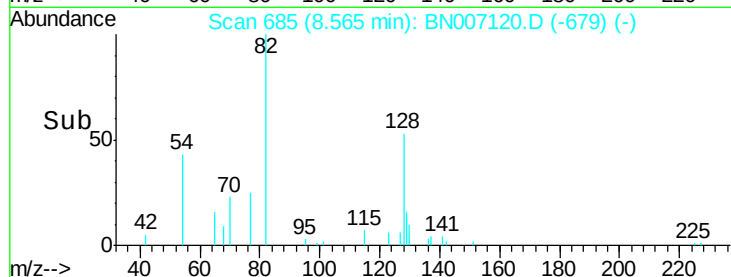
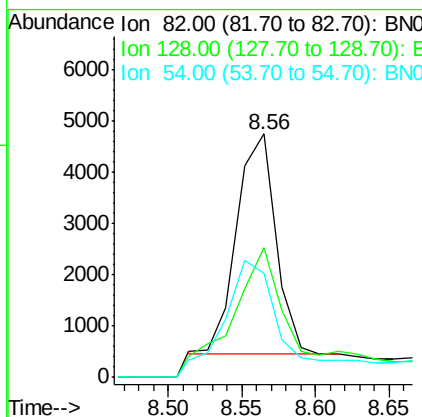
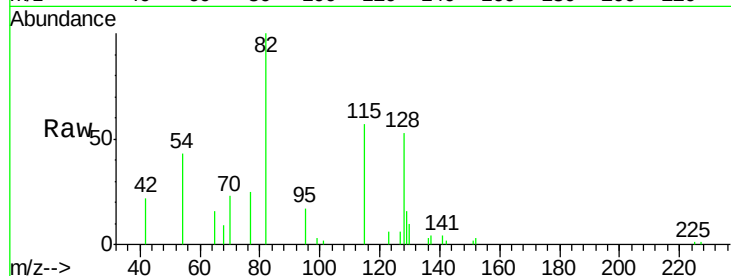
ClientSampleId :

PST-008-SW120-073119

Tot Ion:	82	Resp:	7885
Ion Ratio	Lower	Upper	
82	100		
128	53.2	34.6	51.8#
54	42.6	36.2	54.4

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#8

Naphthalene

Concen: 2.130 ng

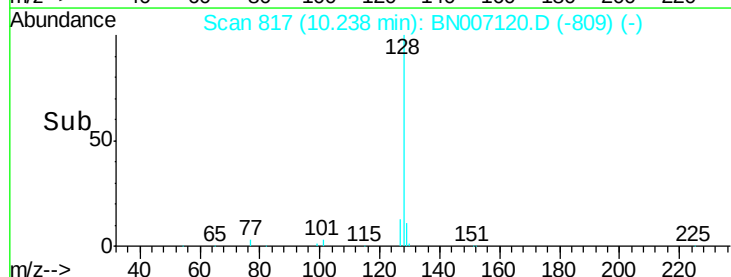
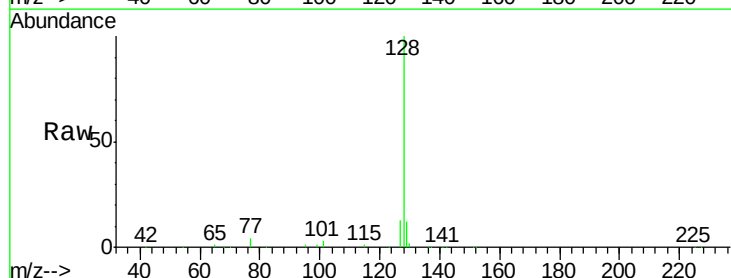
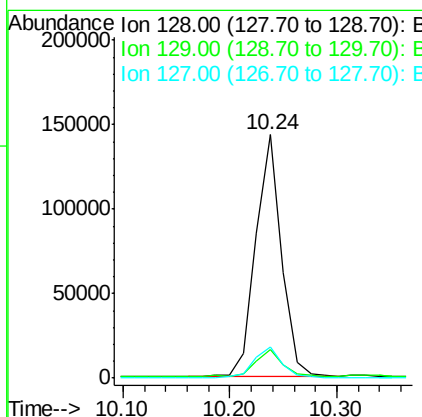
RT: 10.24 min Scan# 817

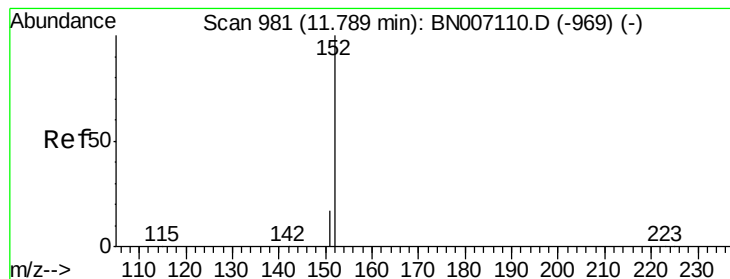
Delta R.T. -0.00 min

Lab File: BN007120.D

Acq: 13 Aug 2019 08:07

Tgt Ion:	128	Resp:	238687
Ion Ratio	Lower	Upper	
128	100		
129	11.6	9.4	14.2
127	13.0	11.0	16.6





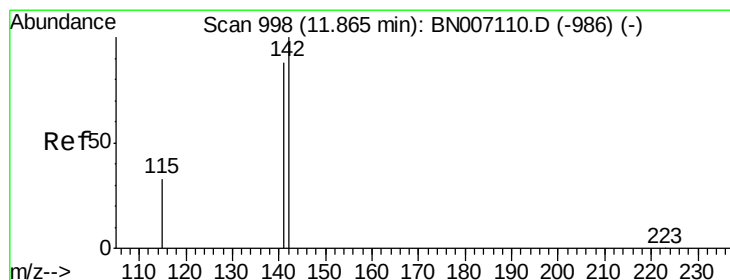
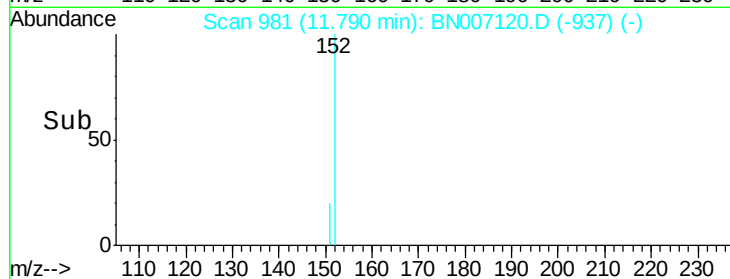
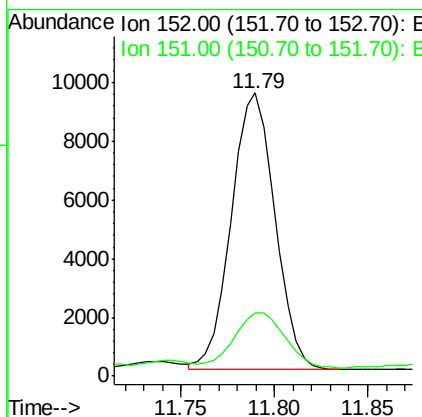
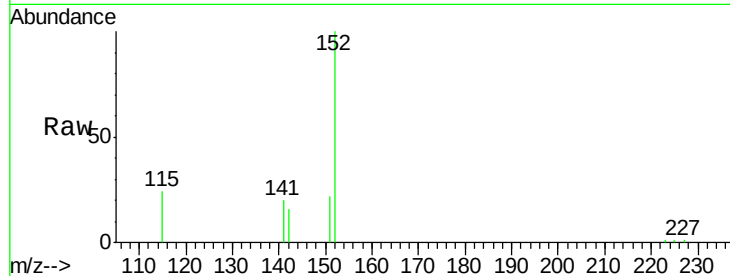
#10
2-Methylnaphthalene-d10
Concen: 0.206 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Instrument :
BNA_N
ClientSampleId :
PST-008-SW120-073119

Tot Ion	Ratio	Lower	Upper
152	100		
151	23.0	15.5	23.3

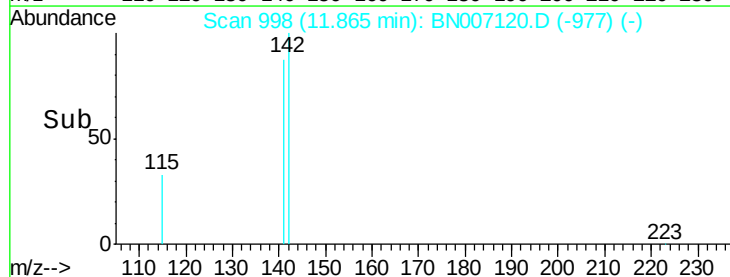
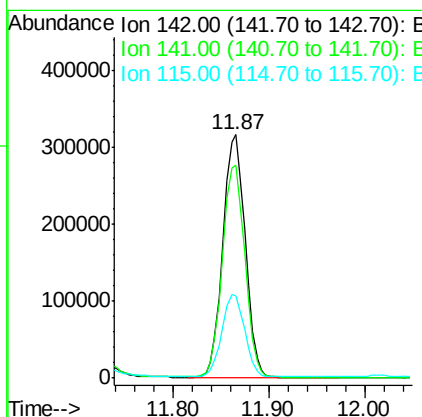
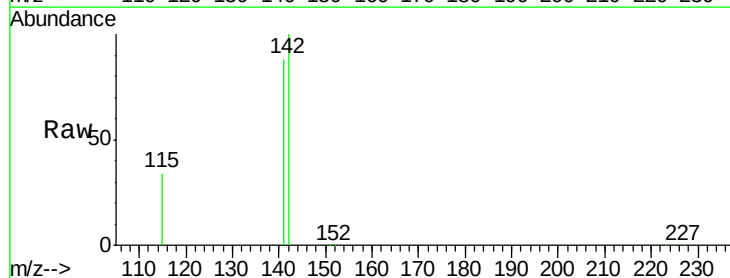
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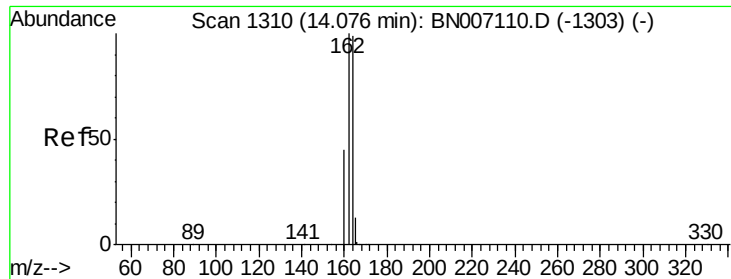
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#11
2-Methylnaphthalene
Concen: 6.464 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.7	69.0	103.6
115	34.0	27.1	40.7





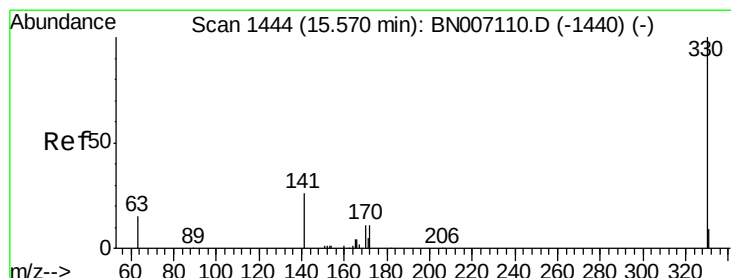
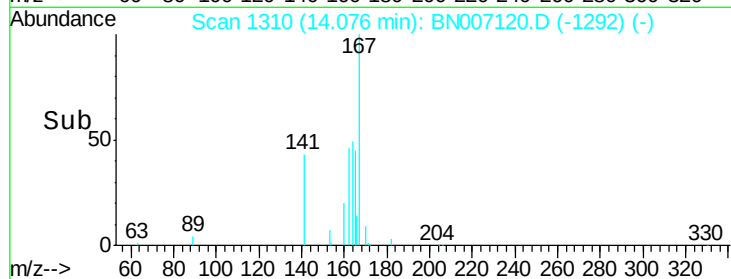
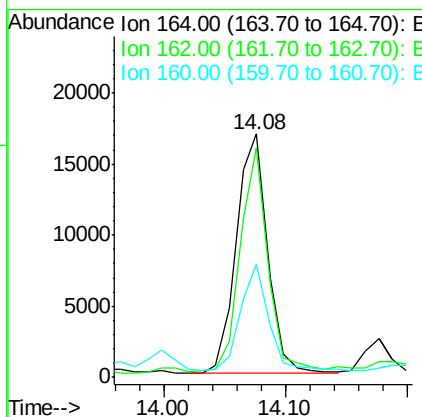
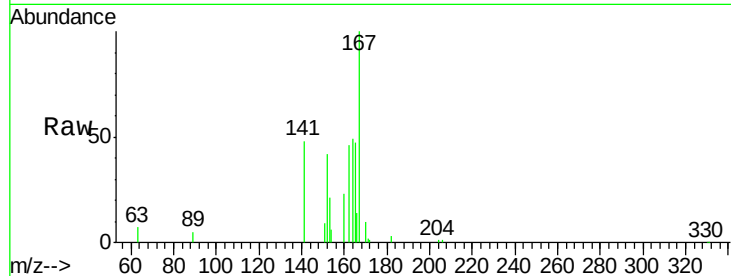
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Instrument :
BNA_N
ClientSampleId :
PST-008-SW120-073119

Tot Ion	Ratio	Lower	Upper
164	100		
162	94.1	82.2	123.4
160	46.7	38.3	57.5

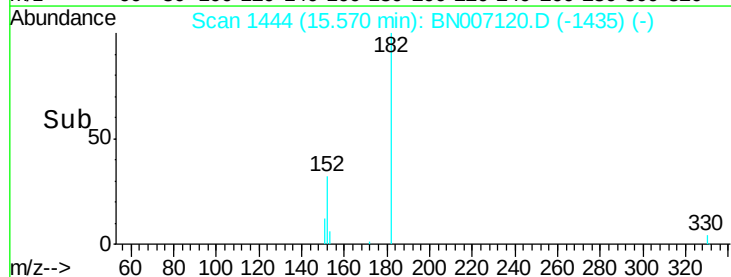
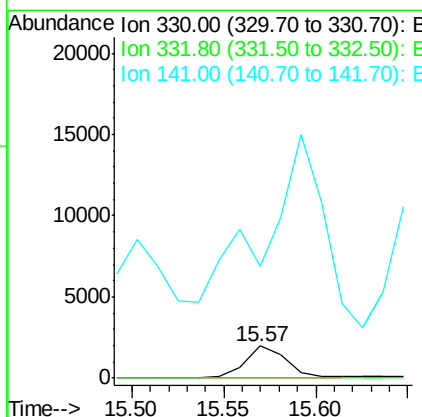
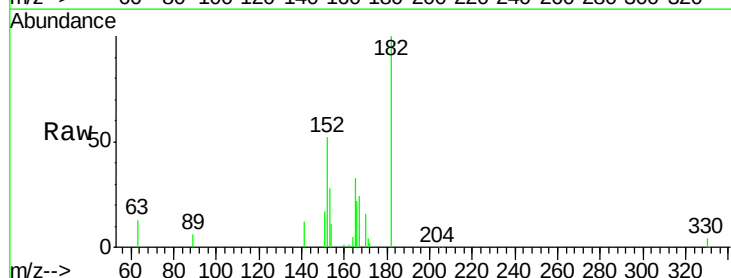
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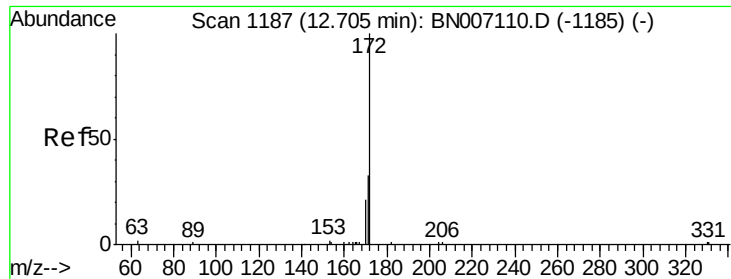
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#13
2,4,6-Tribromophenol
Concen: 0.191 ng m
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

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





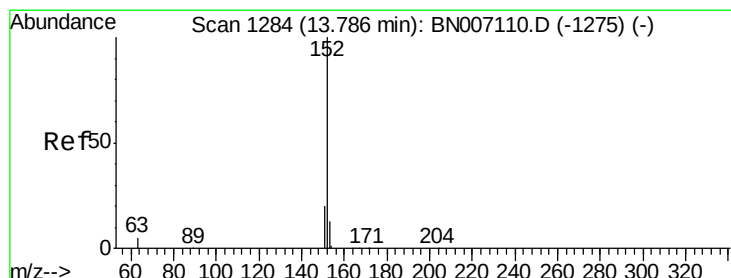
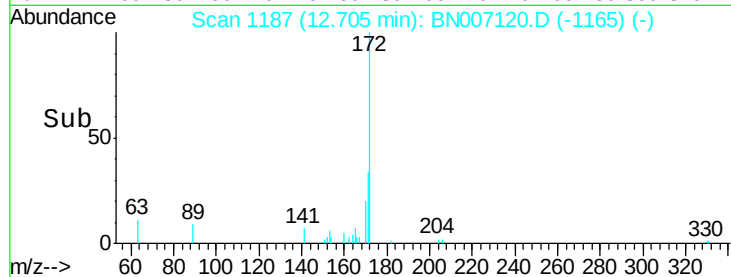
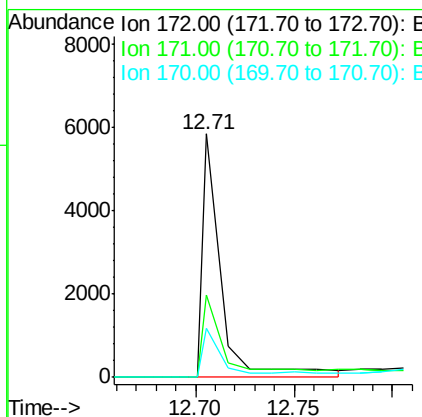
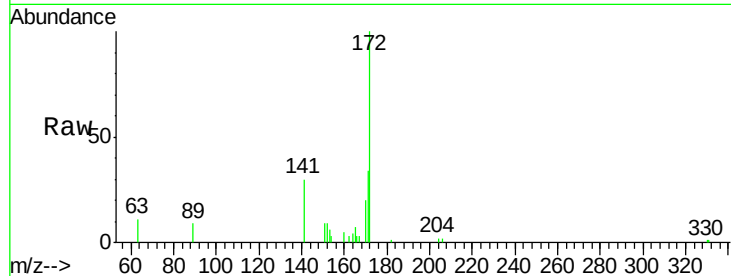
#14
2-Fluorobiphenyl
Concen: 0.097 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Instrument :
BNA_N
ClientSampleId :
PST-008-SW120-073119

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.0	26.3	39.5
170	20.3	17.0	25.4

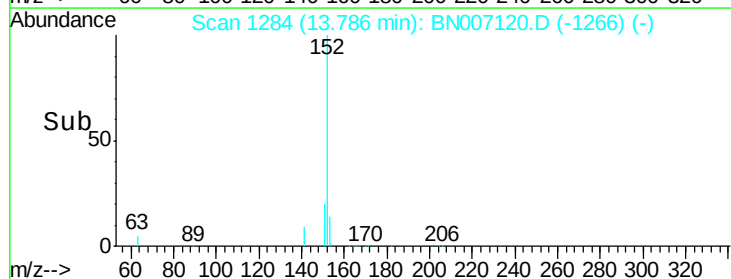
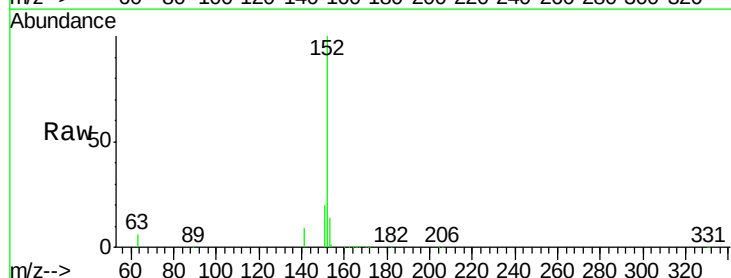
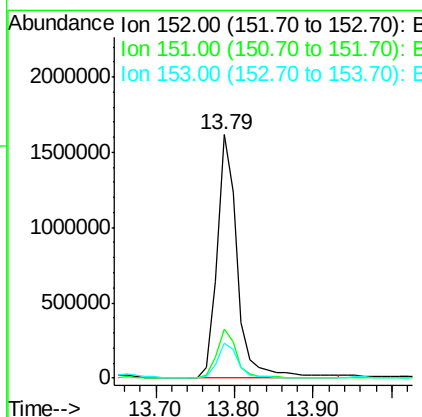
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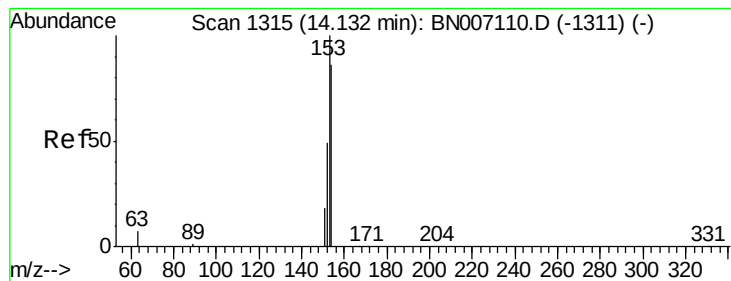
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#15
Acenaphthylene
Concen: 18.290 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	14.8	10.4	15.6





#16

Acenaphthene

Concen: 3.519 ng

RT: 14.14 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BN007120.D

Acq: 13 Aug 2019 08:07

Instrument :

BNA_N

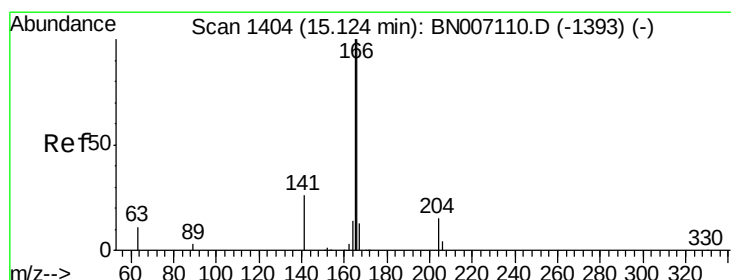
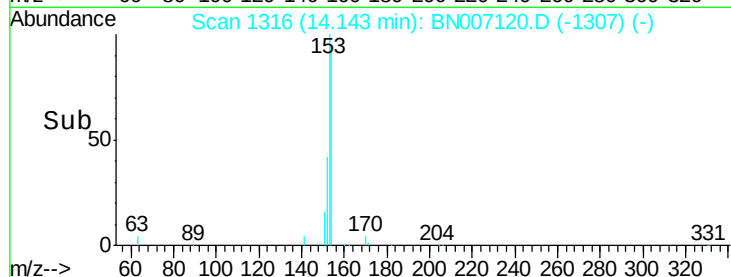
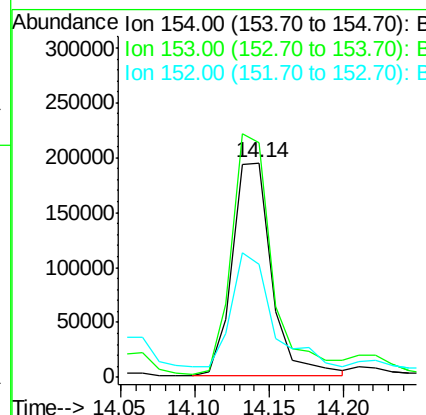
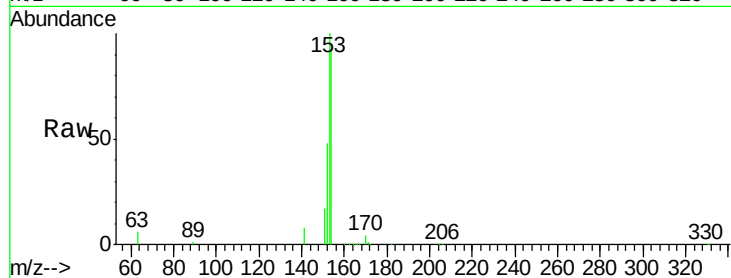
ClientSampleId :

PST-008-SW120-073119

Tot Ion:	154	Resp:	358519
Ion Ratio	Lower	Upper	
154	100		
153	116.9	89.5	134.3
152	55.4	44.8	67.2

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#17

Fluorene

Concen: 9.815 ng

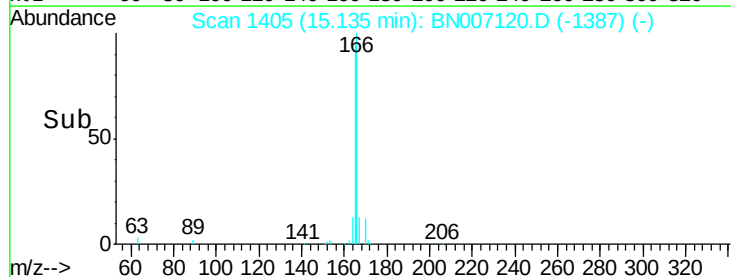
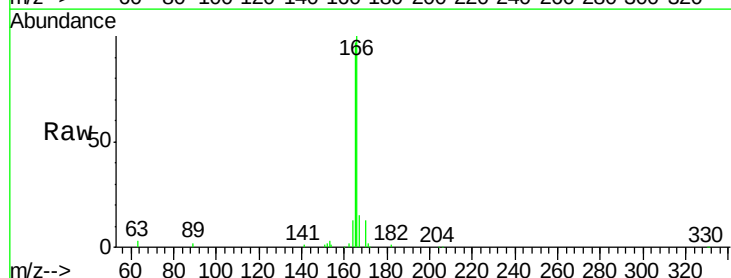
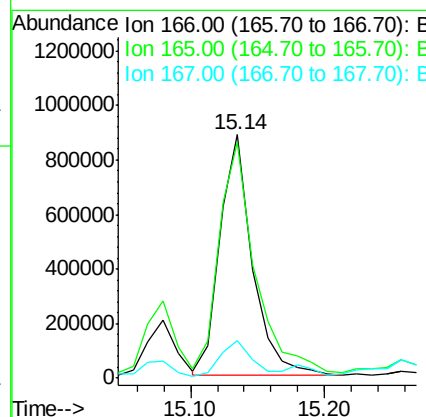
RT: 15.14 min Scan# 1405

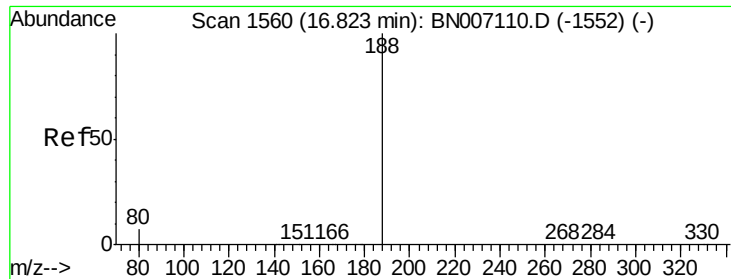
Delta R.T. -0.00 min

Lab File: BN007120.D

Acq: 13 Aug 2019 08:07

Tgt Ion:	166	Resp:	1496466
Ion Ratio	Lower	Upper	
166	100		
165	104.7	77.9	116.9
167	15.0	10.9	16.3





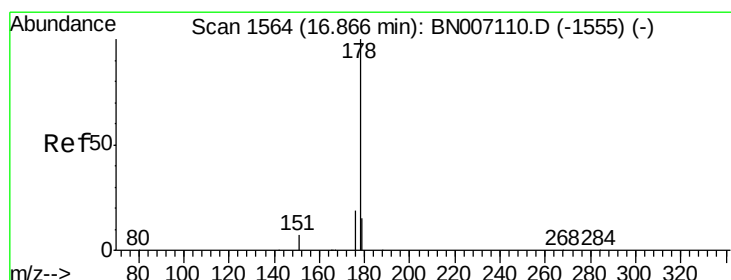
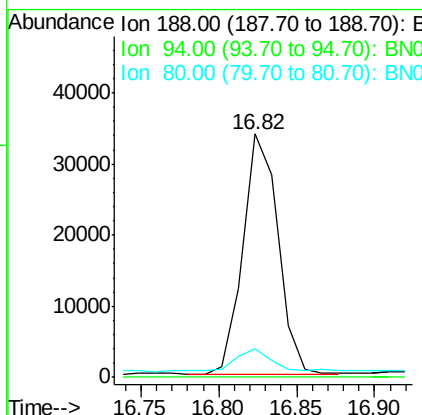
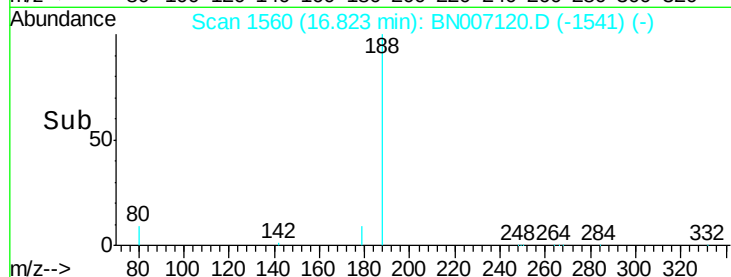
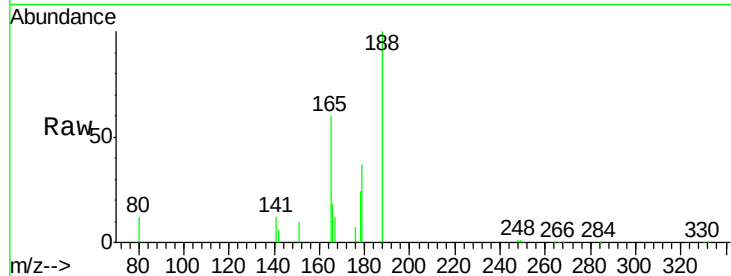
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Instrument :
BNA_N
ClientSampleId :
PST-008-SW120-073119

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	11.8	7.8	11.6

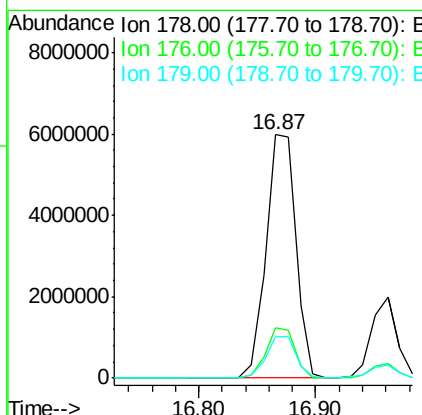
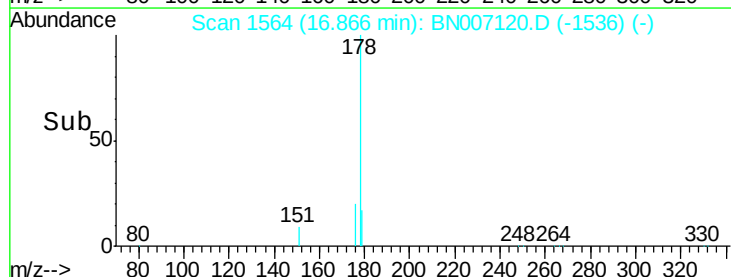
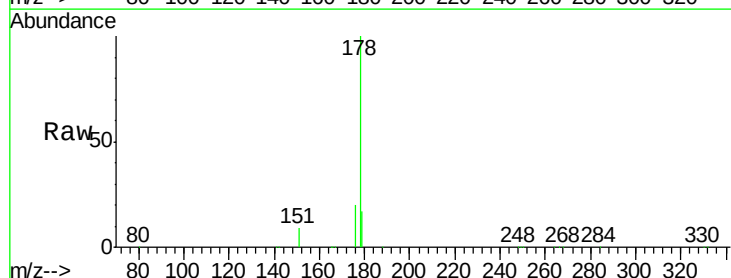
Manual Integrations
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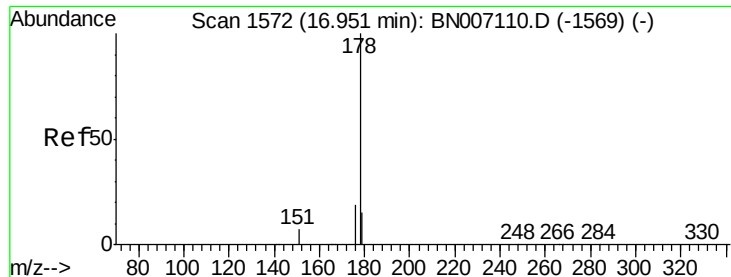
mohammad
8/14/2019 2:52:42 AM



#22
Phenanthrene
Concen: 67.467 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.9	15.2	22.8
179	17.1	12.3	18.5





#23

Anthracene

Concen: 20.660 ng

RT: 16.96 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BN007120.D

Acq: 13 Aug 2019 08:07

Instrument :

BNA_N

ClientSampleId :

PST-008-SW120-073119

Tot Ion:178 Resp: 2972680

Ion Ratio Lower Upper

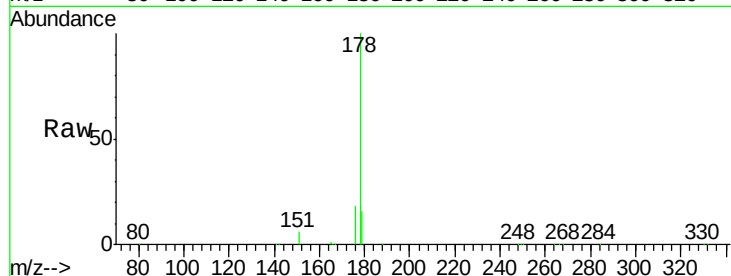
178 100

176 18.4 14.6 21.8

179 16.1 12.5 18.7

Manual Integrations
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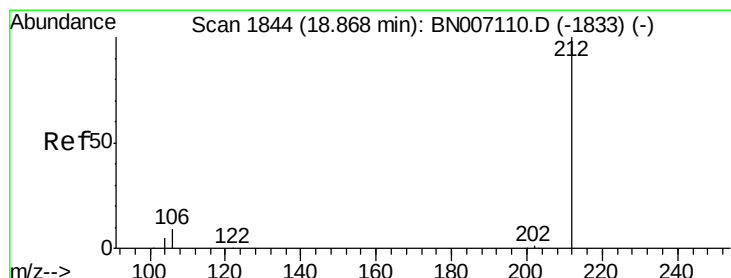
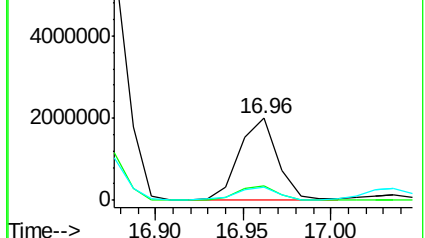
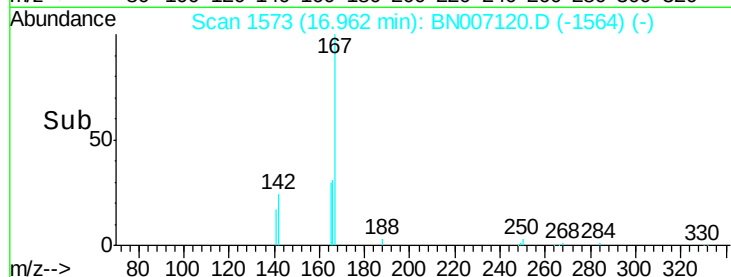
mohammad
8/14/2019 2:52:42 AM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Fluoranthene-d10

Concen: 0.169 ng

RT: 18.87 min Scan# 1845

Delta R.T. -0.00 min

Lab File: BN007120.D

Acq: 13 Aug 2019 08:07

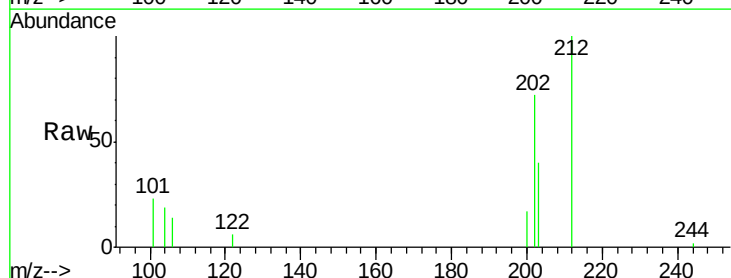
Tgt Ion:212 Resp: 31463

Ion Ratio Lower Upper

212 100

106 9.8 8.2 12.2

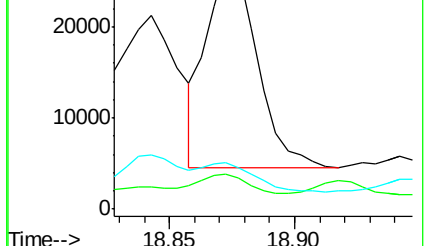
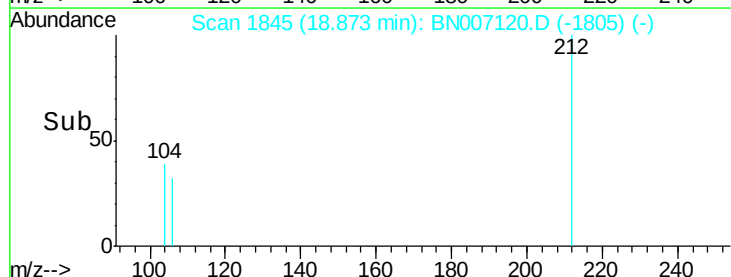
104 12.1 4.5 6.7#

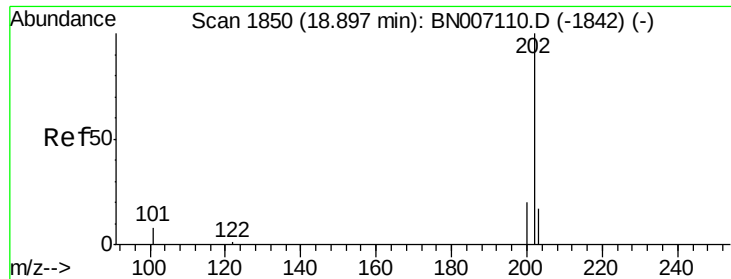


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 38.314 ng

RT: 18.91 min Scan# 1852

Delta R.T. 0.00 min

Lab File: BN007120.D

Acq: 13 Aug 2019 08:07

Instrument :

BNA_N

ClientSampleId :

PST-008-SW120-073119

Tot Ion:202 Resp: 7718106

Ion Ratio Lower Upper

202 100

101 9.8 7.0 10.4

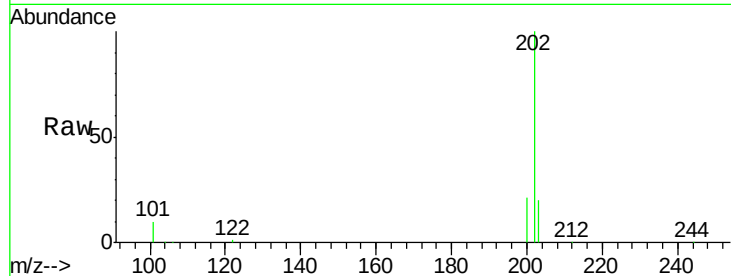
203 19.3 13.8 20.8

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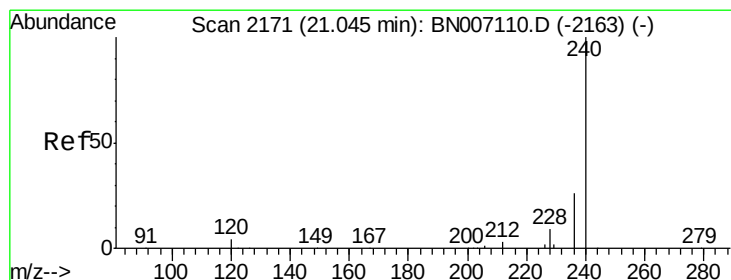
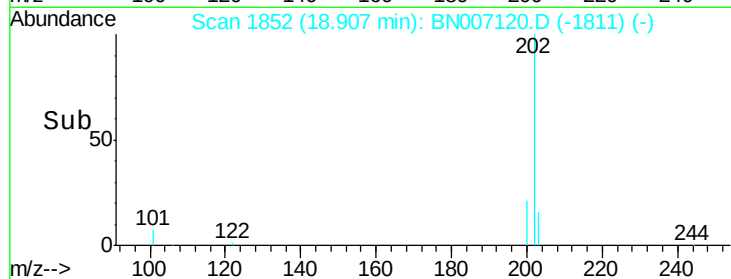
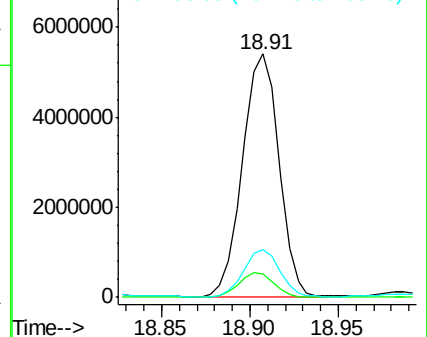
8/14/2019 2:52:42 AM



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



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.06 min Scan# 2172

Delta R.T. -0.00 min

Lab File: BN007120.D

Acq: 13 Aug 2019 08:07

Tgt Ion:240 Resp: 62102

Ion Ratio Lower Upper

240 100

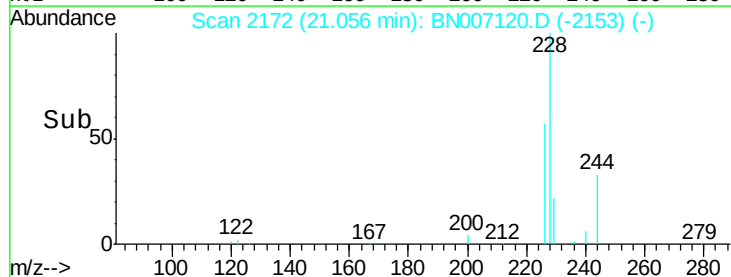
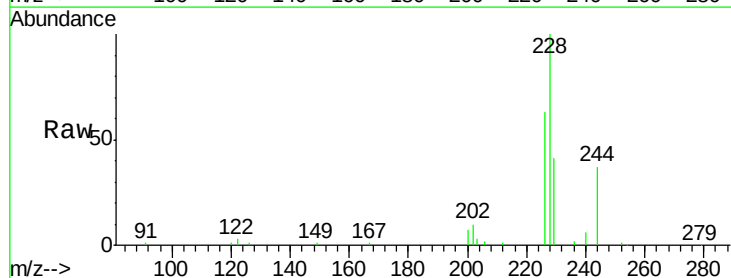
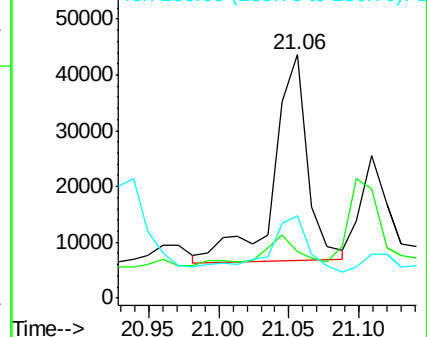
120 19.2 4.0 6.0#

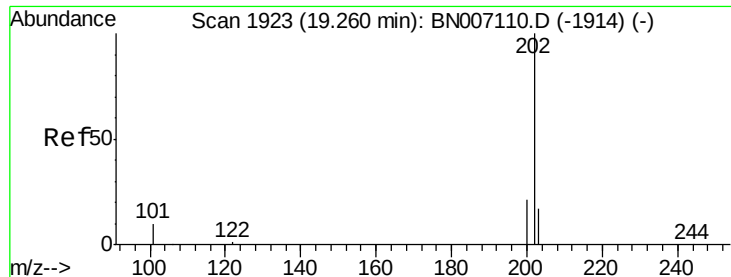
236 34.0 21.3 31.9#

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





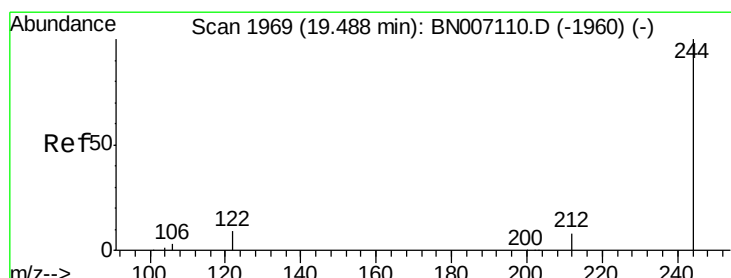
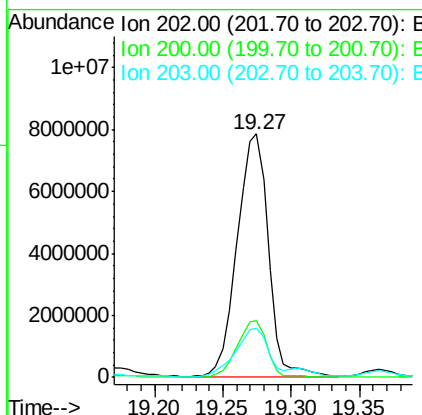
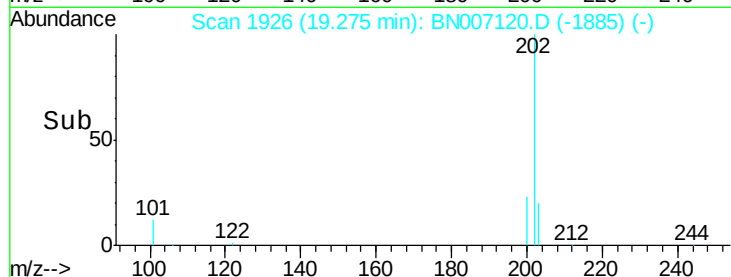
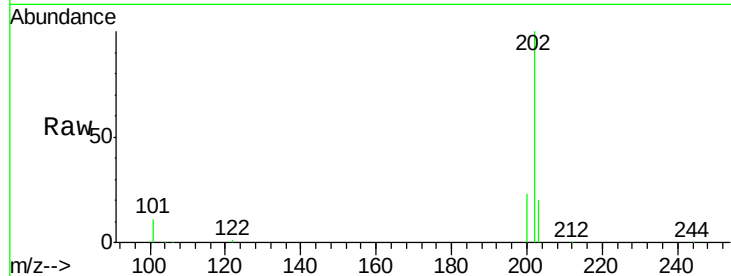
#27
Pvrene
Concen: 56.809 ng
RT: 19.27 min Scan# 1926
Delta R.T. 0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Instrument :
BNA_N
ClientSampleId :
PST-008-SW120-073119

Tot Ion:202 Resp:12372274
Ion Ratio Lower Upper
202 100
200 22.3 16.6 24.8
203 21.1 14.0 21.0#

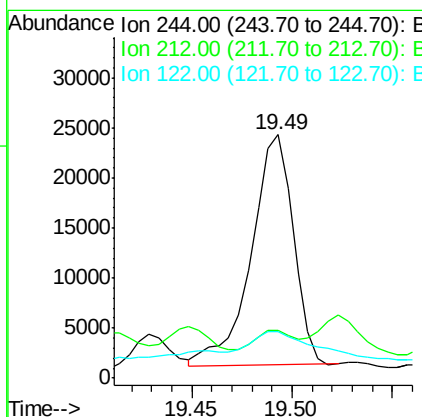
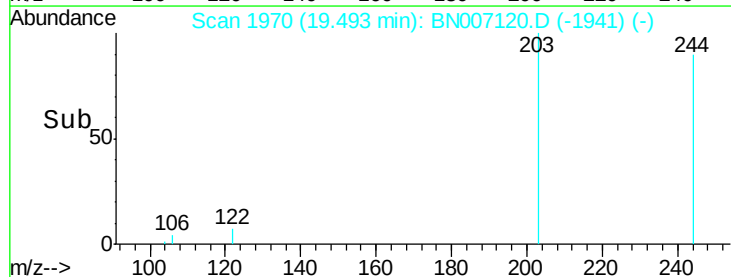
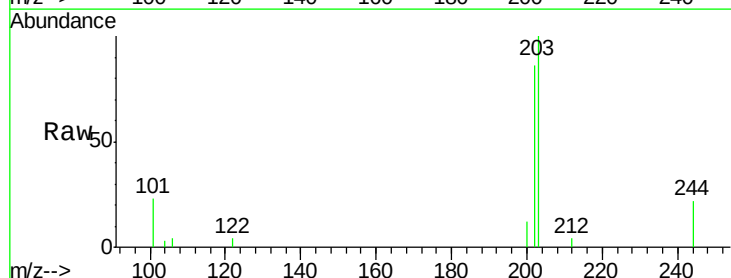
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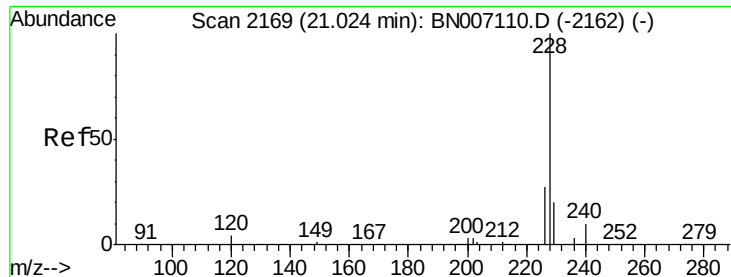
mohammad
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#28
Terphenyl-d14
Concen: 0.200 ng
RT: 19.49 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion:244 Resp: 33783
Ion Ratio Lower Upper
244 100
212 19.6 6.2 9.2#
122 19.3 7.4 11.2#





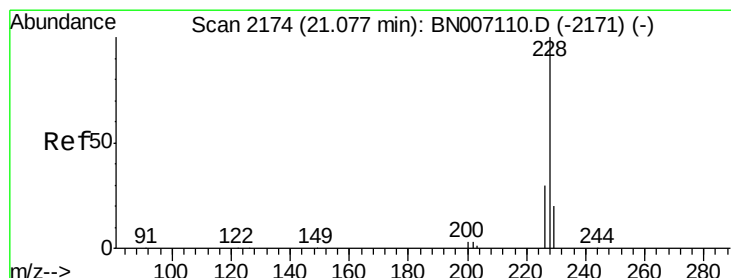
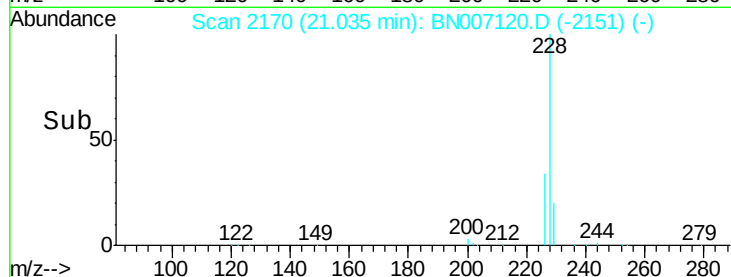
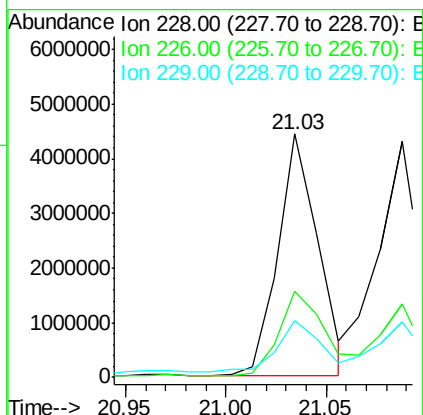
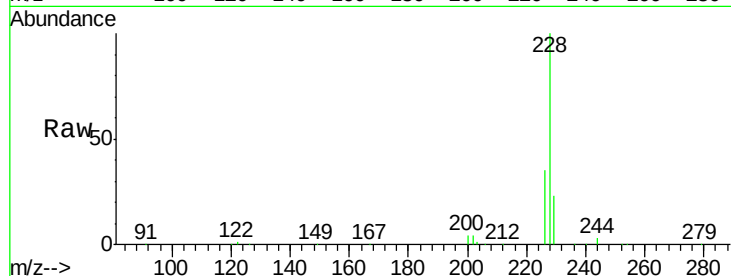
#29
Benzo(a)anthracene
Concen: 26.866 ng
RT: 21.03 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Instrument :
BNA_N
ClientSampleId :
PST-008-SW120-073119

Tot Ion:228 Resp: 6101628
Ion Ratio Lower Upper
228 100
226 35.2 21.8 32.6#
229 23.3 15.6 23.4

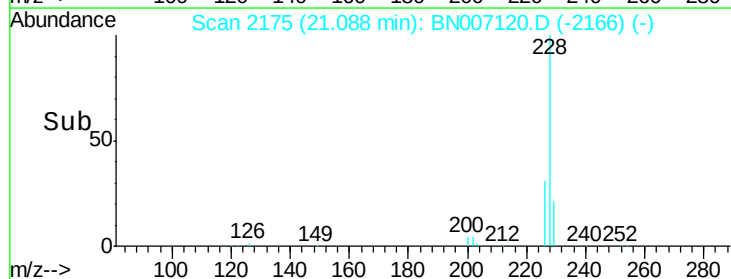
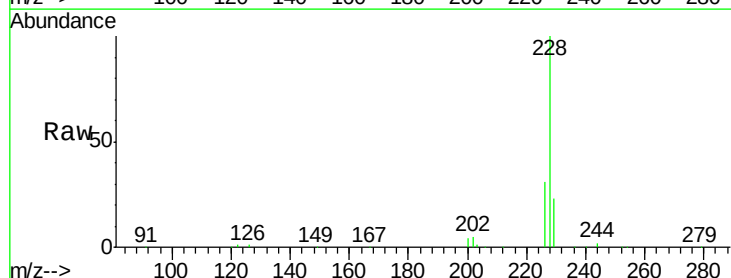
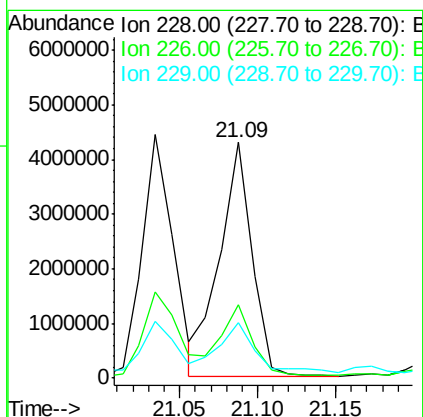
Manual Integrations
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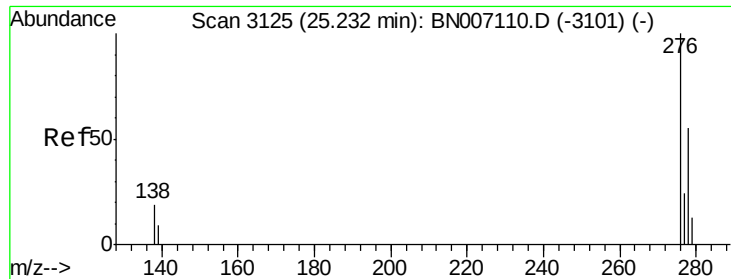
mohammad
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#30
Chrysene
Concen: 27.904 ng
RT: 21.09 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion:228 Resp: 6157009
Ion Ratio Lower Upper
228 100
226 31.1 23.8 35.6
229 23.4 15.7 23.5





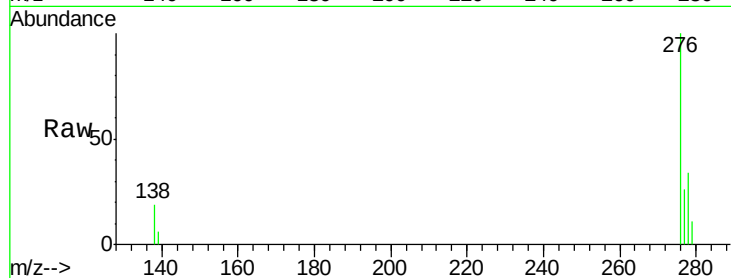
#31
Indeno(1,2,3-cd)pyrene
Concen: 9.486 ng
RT: 25.26 min Scan# 3133
Delta R.T. 0.01 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Instrument :
BNA_N
ClientSampleId :
PST-008-SW120-073119

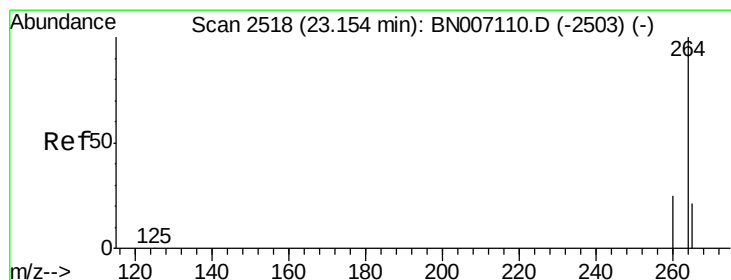
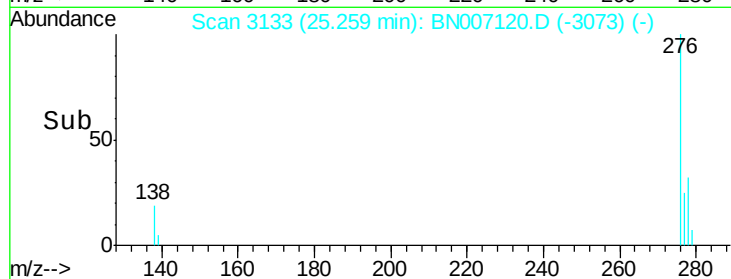
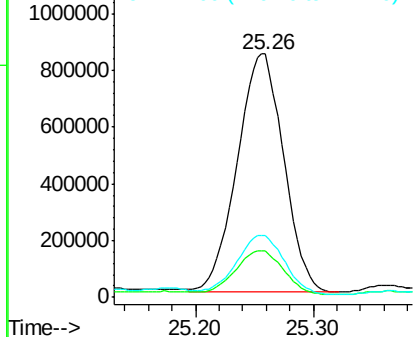
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.2	16.0	24.0
277	25.4	19.9	29.9

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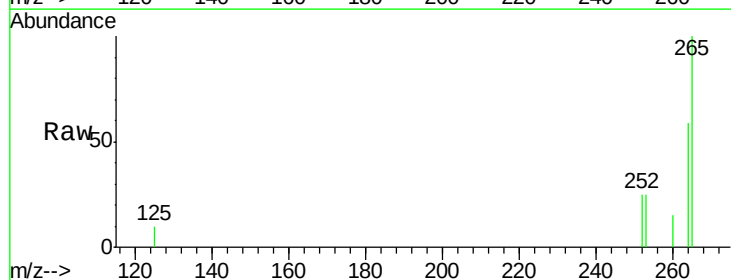


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

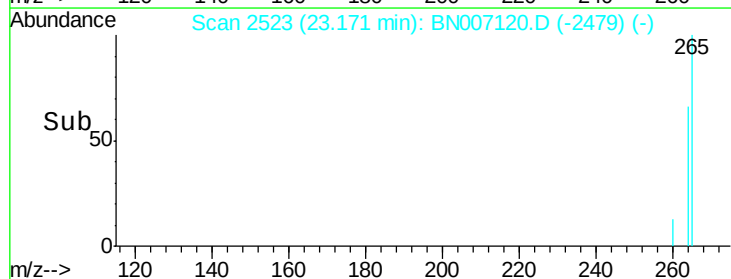
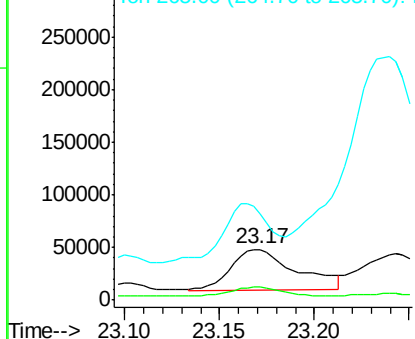


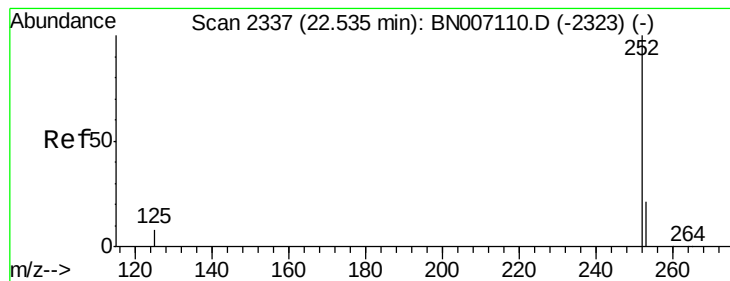
#32
Perylene-d12
Concen: 0.400 ng
RT: 23.17 min Scan# 2523
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.8	29.8
265	170.7	26.2	39.4#



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 15.042 ng

RT: 22.56 min Scan# 2343

Delta R.T. 0.01 min

Lab File: BN007120.D

Acq: 13 Aug 2019 08:07

Instrument :

BNA_N

ClientSampleId :

PST-008-SW120-073119

Tot Ion:252 Resp: 4726814

Ion Ratio Lower Upper

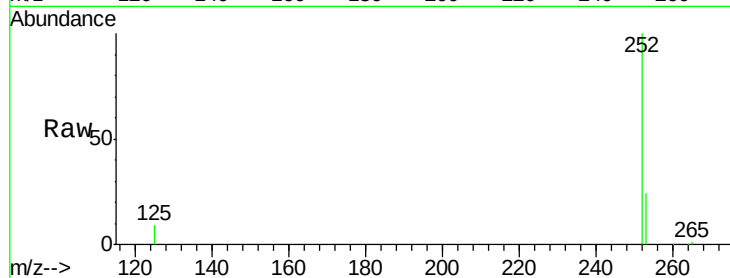
252 100

253 23.7 18.2 27.2

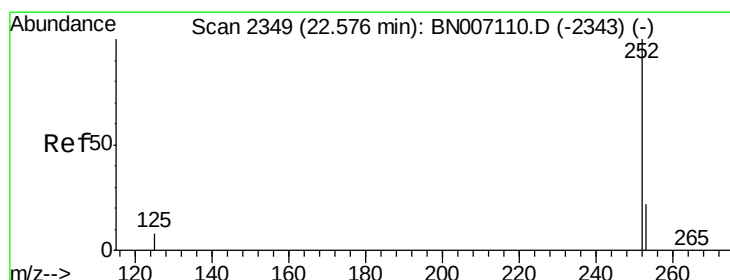
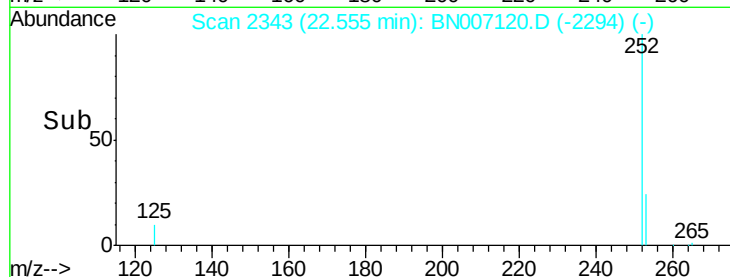
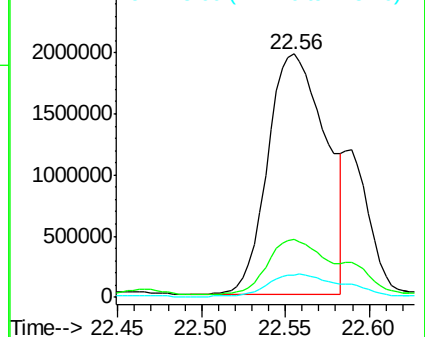
125 9.3 7.4 11.0

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#34

Benzo(k)fluoranthene

Concen: 4.336 ng m

RT: 22.59 min Scan# 2353

Delta R.T. -0.00 min

Lab File: BN007120.D

Acq: 13 Aug 2019 08:07

Tgt Ion:252 Resp: 1345708

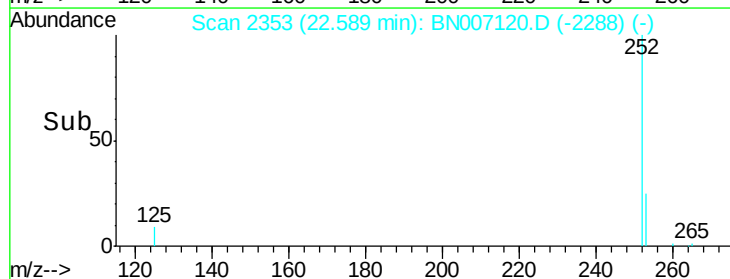
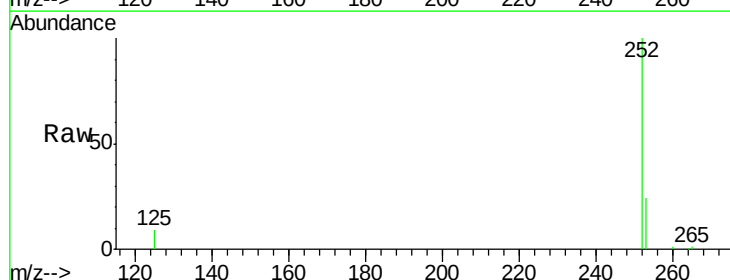
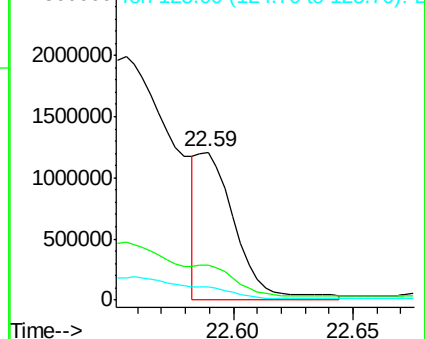
Ion Ratio Lower Upper

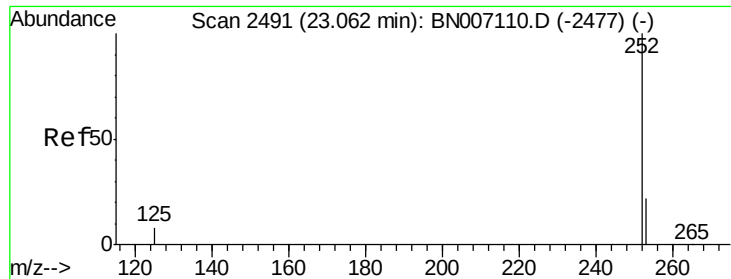
252 100

253 24.1 18.1 27.1

125 8.8 7.4 11.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





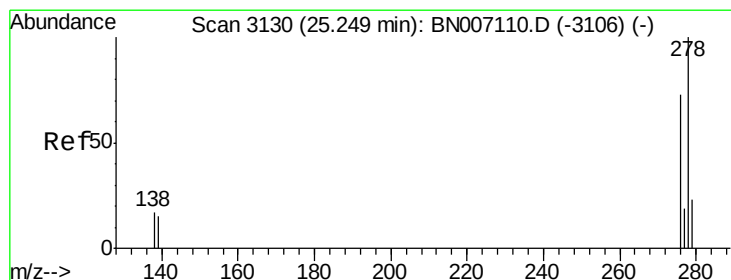
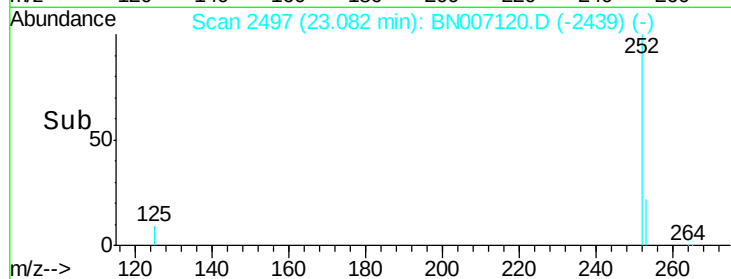
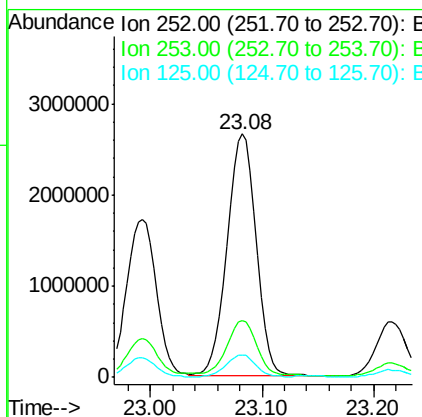
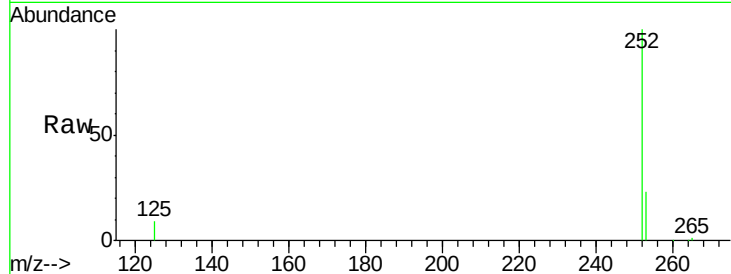
#35
Benzo(a)pyrene
Concen: 16.721 ng
RT: 23.08 min Scan# 2497
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Instrument :
BNA_N
ClientSampleId :
PST-008-SW120-073119

Tot Ion:252 Resp: 4763423
Ion Ratio Lower Upper
252 100
253 23.3 18.5 27.7
125 9.3 8.2 12.4

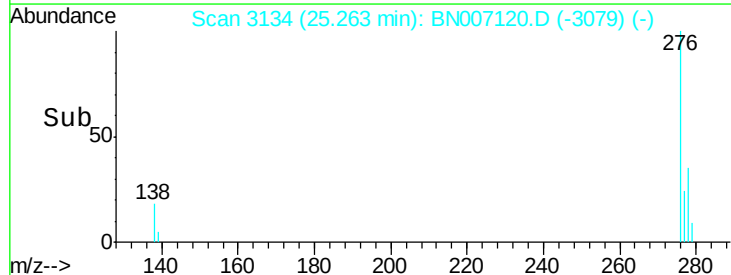
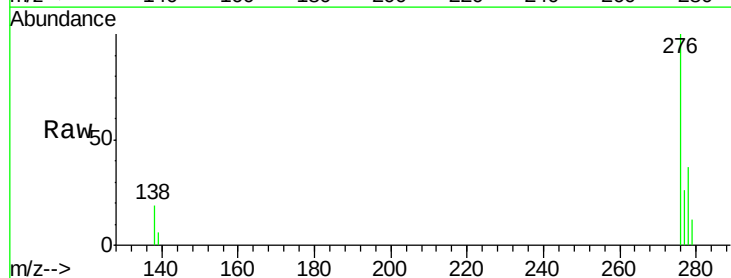
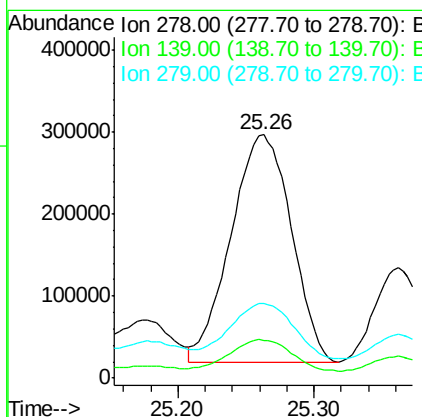
Manual Integrations
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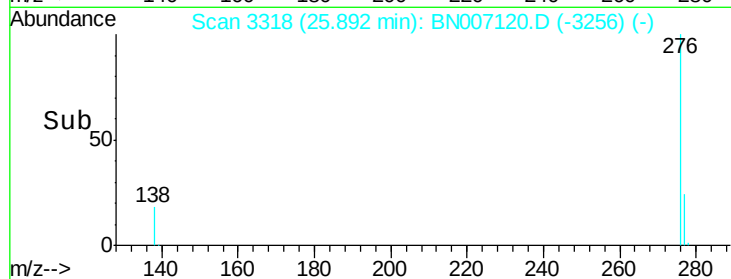
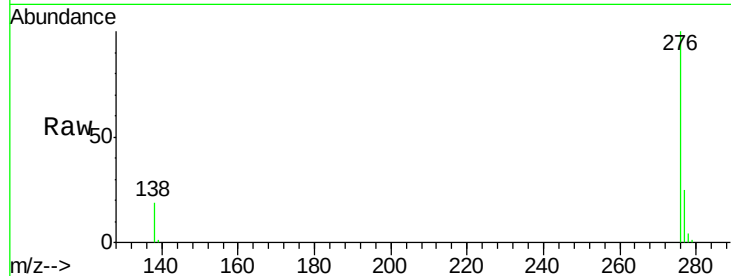
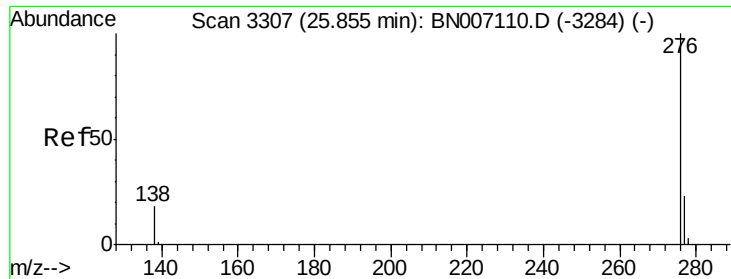
mohammad
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#36
Dibenzo(a,h)anthracene
Concen: 3.007 ng
RT: 25.26 min Scan# 3134
Delta R.T. -0.01 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion:278 Resp: 854707
Ion Ratio Lower Upper
278 100
139 15.5 11.3 16.9
279 30.9 19.3 28.9#





#37
Benzo(a,h,i)perylene
Concen: 9.698 ng
RT: 25.89 min Scan# 3318
Delta R.T. 0.01 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.8	29.8
138	18.7	14.6	22.0

Instrument :
BNA_N
ClientSampleId :
PST-008-SW120-073119

Manual Integrations
APPROVED

mohammad
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