

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100719\
 Data File : BN008055.D
 Acq On : 07 Oct 2019 18:15
 Operator : JU
 Sample : K5078-20DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW135-092519DL

Manual Integrations
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 10/8/2019 12:23:22 PM

Quant Time: Oct 08 00:17:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 03 18:39:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	2668	0.40	ng	-0.03
7) Naphthalene-d8	10.44	136	11149	0.40	ng	-0.03
13) Acenaphthene-d10	14.29	164	7206	0.40	ng	-0.03
19) Phenanthrene-d10	17.04	188	15770	0.40	ng	-0.03
27) Chrysene-d12	21.24	240	22881	0.40	ng	-0.03
34) Perylene-d12	23.45	264	22550	0.40	ng	-0.04

System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	471	0.05	ng	-0.02
5) Phenol-d6	6.86	99	596	0.05	ng	0.00
8) Nitrobenzene-d5	8.81	82	489	0.05	ng	-0.03
11) 2-Methylnaphthalene-d10	12.03	152	1092	0.06	ng	-0.03
14) 2,4,6-Tribromophenol	15.80	330	215	0.05	ng	-0.02
15) 2-Fluorobiphenyl	12.92	172	1527	0.05	ng	-0.02
25) Fluoranthene-d10	19.08	212	3121	0.06	ng	-0.03
29) Terphenyl-d14	19.68	244	4316	0.08	ng	-0.03

Target Compounds				Qvalue		
9) Naphthalene	10.48	128	1318	0.042	ng	# 76
12) 2-Methylnaphthalene	12.10	142	784	0.037	ng	# 82
16) Acenaphthylene	14.01	152	6504	0.170	ng	98
17) Acenaphthene	14.36	154	3900	0.158	ng	97
18) Fluorene	15.35	166	5725	0.181	ng	97
23) Phenanthrene	17.08	178	143470	2.920	ng	100
24) Anthracene	17.18	178	11651	0.263	ng	# 93
26) Fluoranthene	19.11	202	245143	4.013	ng	100
28) Pyrene	19.48	202	202831	2.599	ng	96
30) Benzo(a)anthracene	21.23	228	86494	1.027	ng	97
31) Chrysene	21.28	228	104385	1.271	ng	97
32) Bis(2-ethylhexyl)phthalate	21.16	149	13486	0.311	ng	99
33) Indeno(1,2,3-cd)pyrene	25.66	276	71571	0.696	ng	# 95
35) Benzo(b)fluoranthene	22.80	252	137656	1.758	ng	97
36) Benzo(k)fluoranthene	22.83	252	49822m	0.644	ng	
37) Benzo(a)pyrene	23.36	252	88119	1.198	ng	# 96
38) Dibenzo(a,h)anthracene	25.67	278	16367	0.217	ng	# 78
39) Benzo(a,h,i)perylene	26.33	276	70802	0.951	ng	98

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

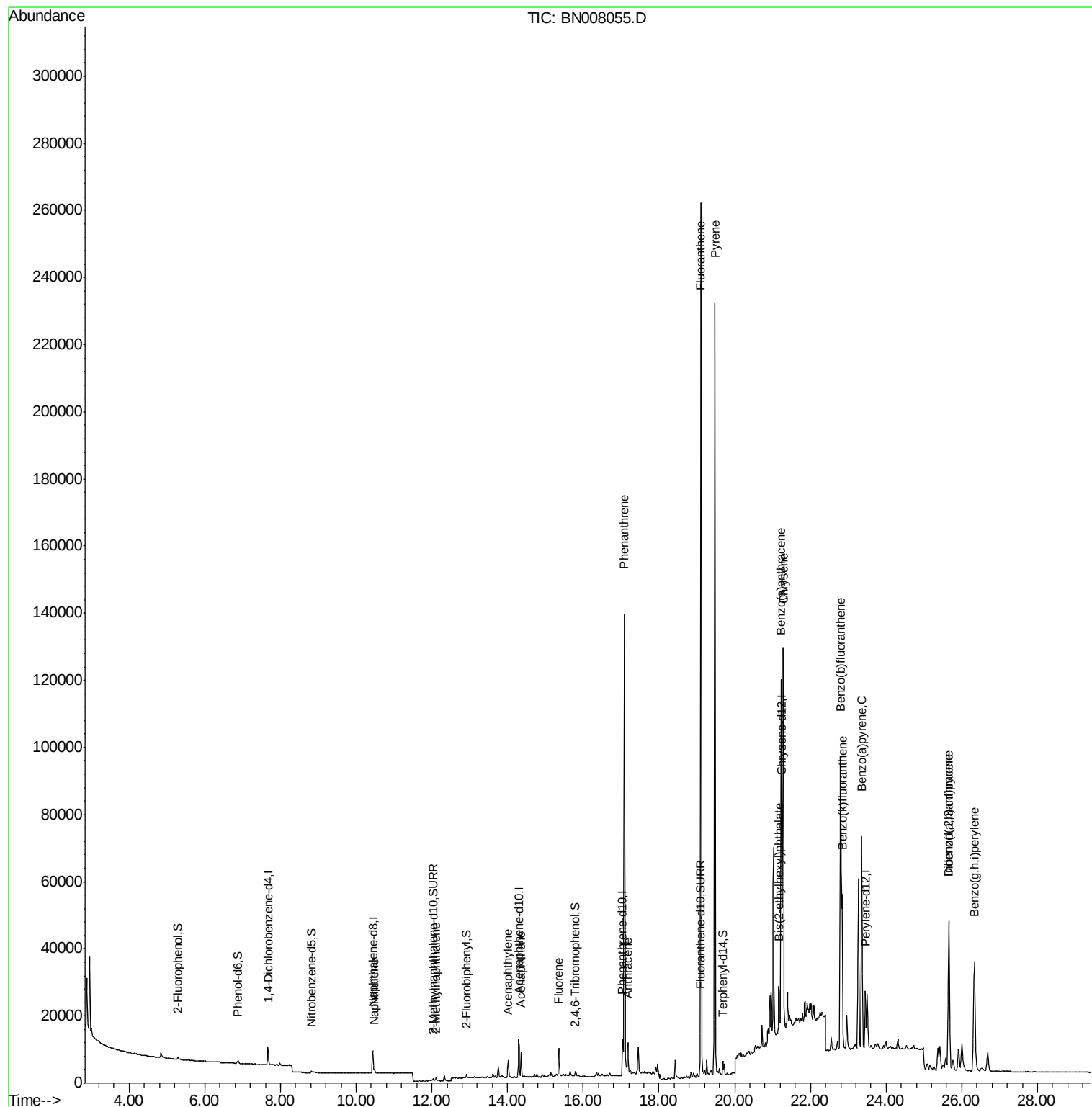
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100719\
Data File : BN008055.D
Acq On : 07 Oct 2019 18:15
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Sample : K5078-20DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

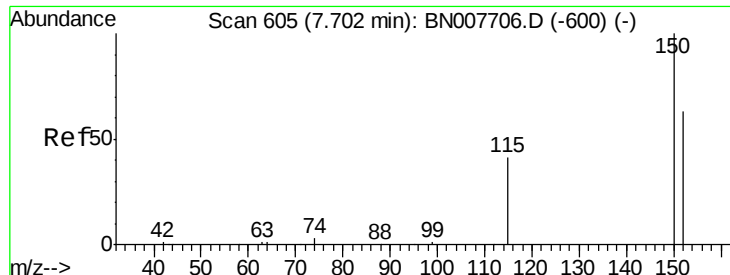
Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519DL

Quant Time: Oct 08 00:17:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 03 18:39:49 2019
Response via : Initial Calibration

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#1

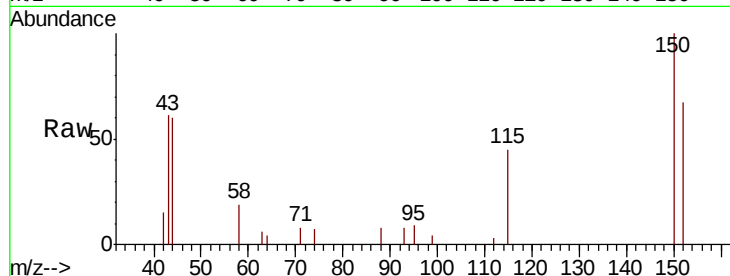
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.67 min Scan# 601
Delta R.T. -0.03 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.7	125.6	188.4
115	67.7	53.3	79.9

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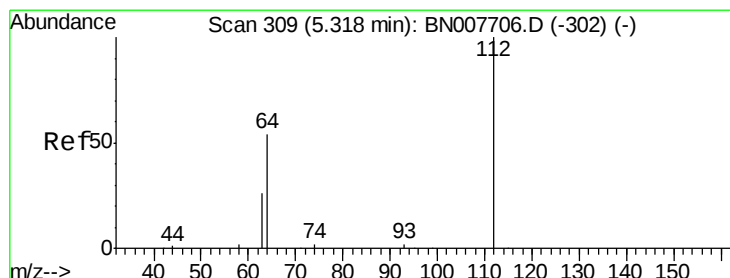
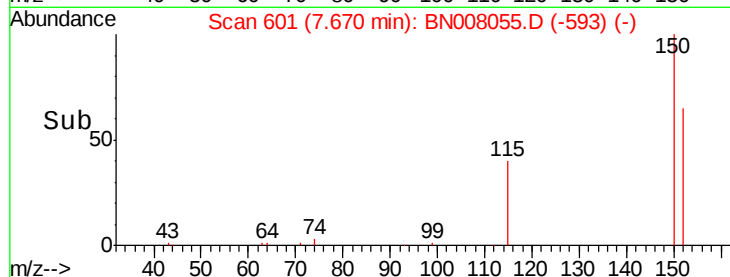
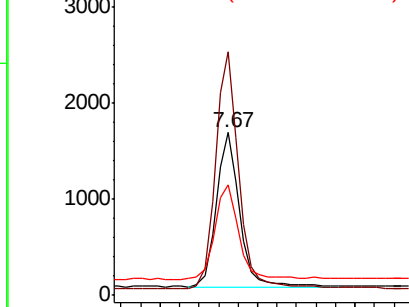


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

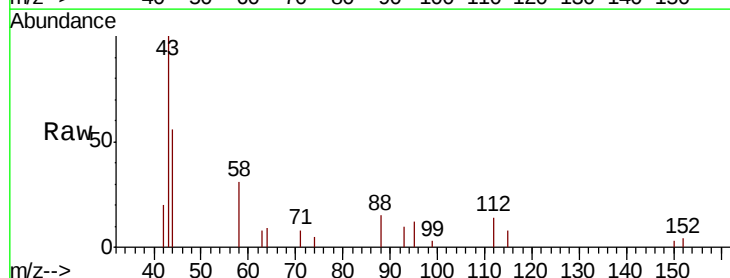
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.051 ng
RT: 5.29 min Scan# 306
Delta R.T. -0.02 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	46.6	70.0
63	32.5	23.1	34.7

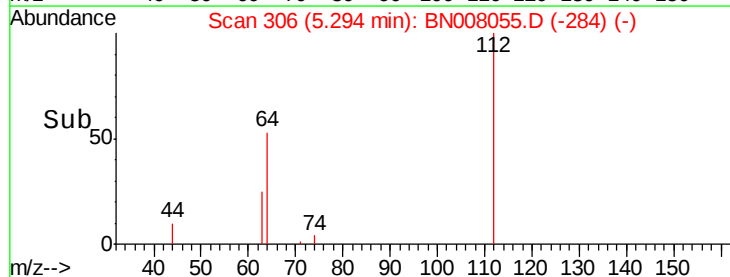
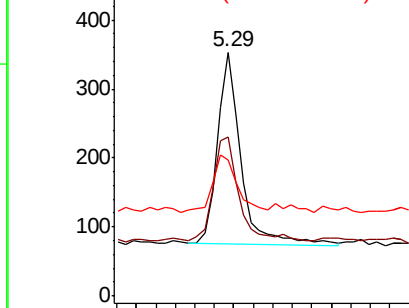


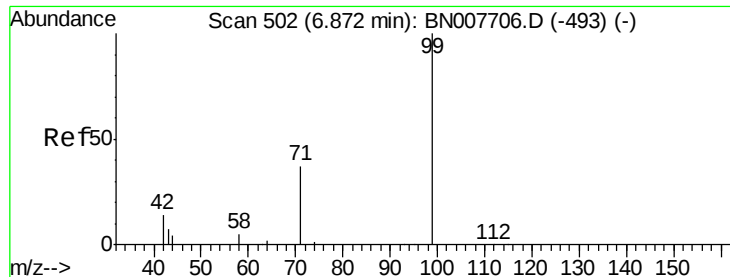
Abundance

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





#5

Phenol-d6

Concen: 0.046 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

Instrument :

BNA_N

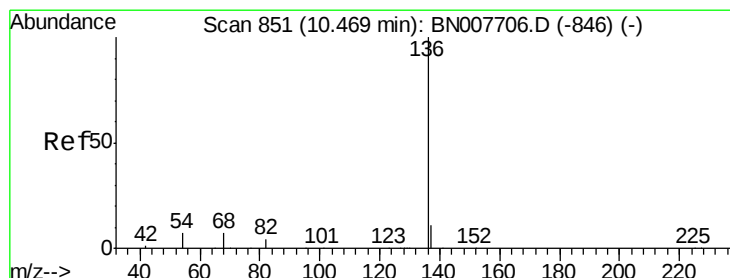
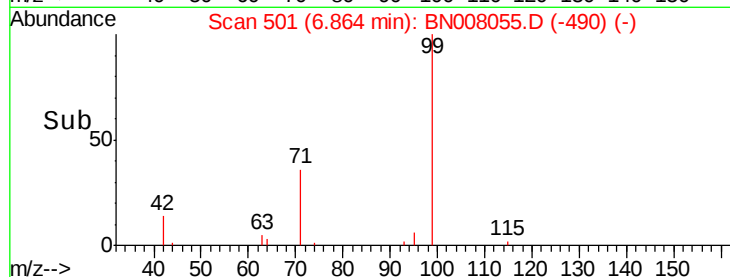
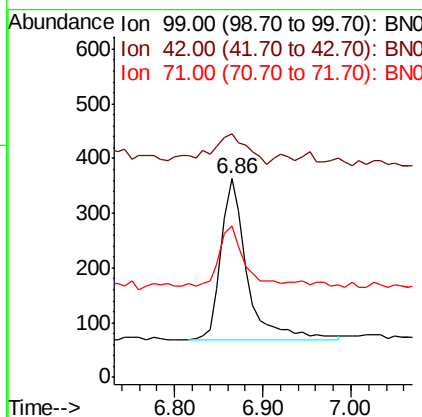
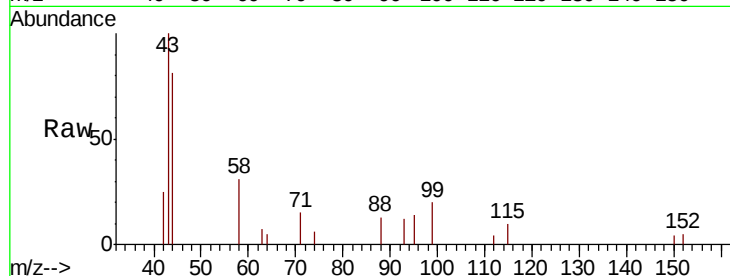
ClientSampleId :

PST-024-SW135-092519DL

Tot Ion:	99	Resp:	596
Ion	Ratio	Lower	Upper
99	100		
42	28.0	12.8	19.2#
71	36.2	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

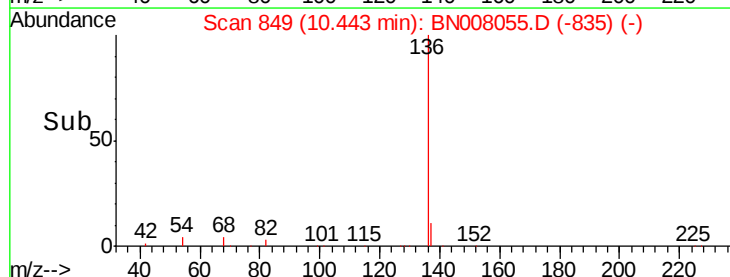
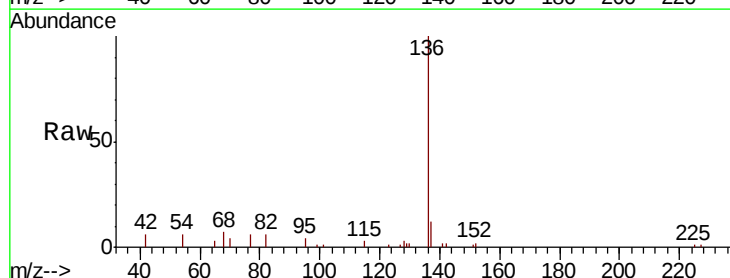
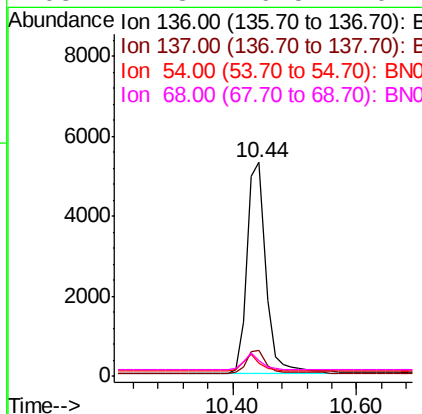
RT: 10.44 min Scan# 849

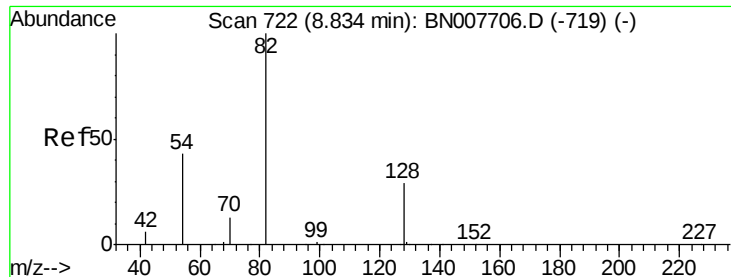
Delta R.T. -0.03 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

Tgt Ion:	136	Resp:	11149
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.2	13.8
54	6.3	5.8	8.8
68	7.3	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.050 ng

RT: 8.81 min Scan# 720

Delta R.T. -0.03 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

Instrument :

BNA_N

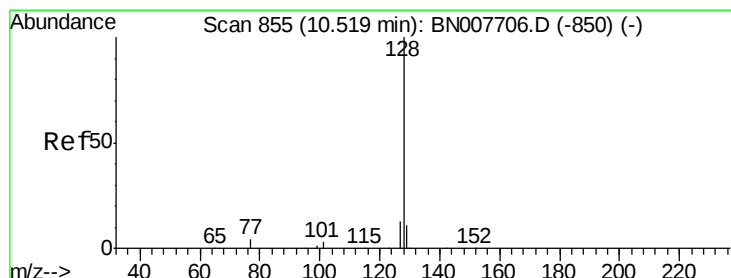
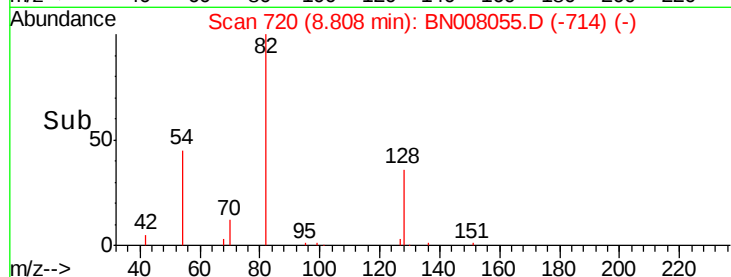
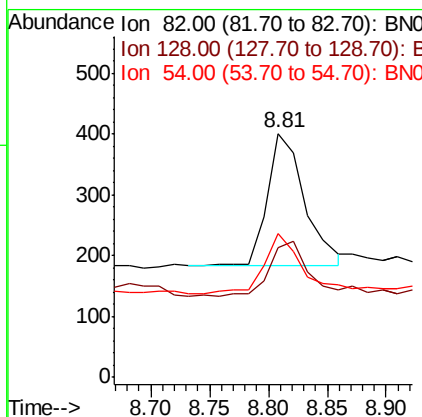
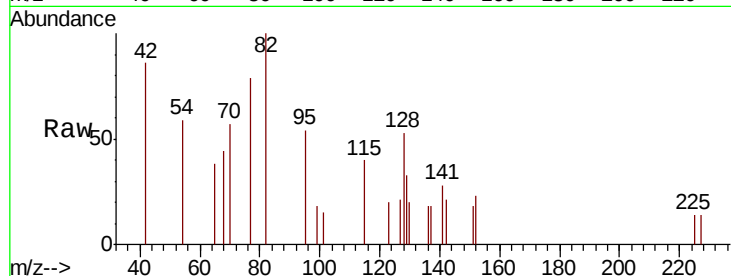
ClientSampleId :

PST-024-SW135-092519DL

Tot Ion:	82	Resp:	489
Ion Ratio	Lower	Upper	
82	100		
128	53.1	24.5	36.7#
54	58.9	35.2	52.8#

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#9

Naphthalene

Concen: 0.042 ng

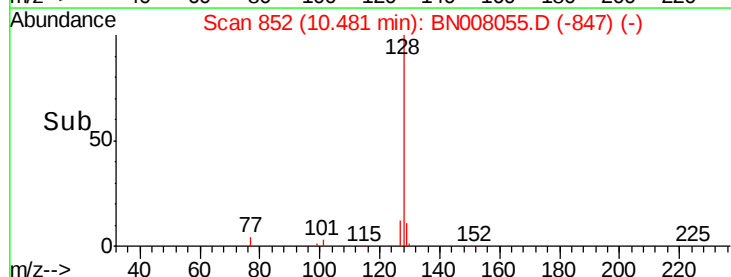
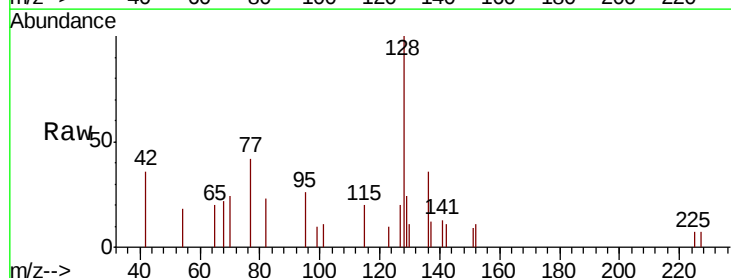
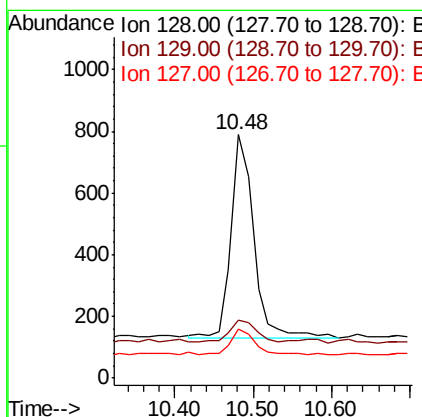
RT: 10.48 min Scan# 852

Delta R.T. -0.04 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

Tgt Ion:	128	Resp:	1318
Ion Ratio	Lower	Upper	
128	100		
129	24.0	9.1	13.7#
127	20.0	10.6	15.8#





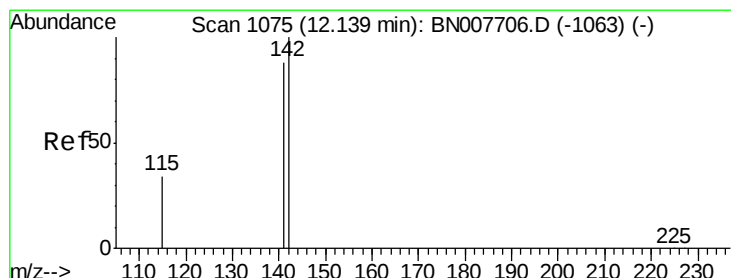
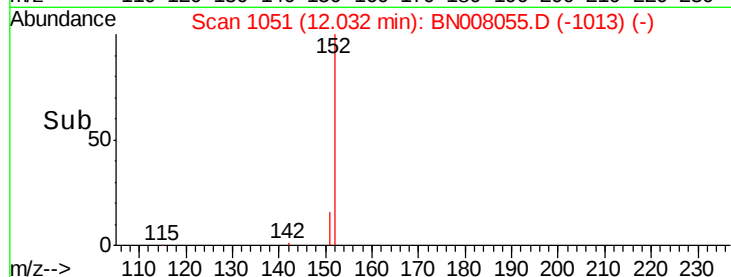
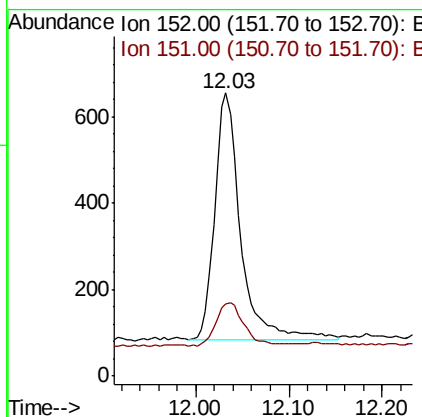
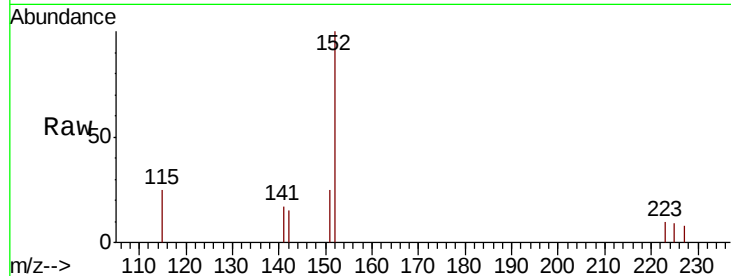
#11
2-Methylnaphthalene-d10
Concen: 0.058 ng
RT: 12.03 min Scan# 1051
Delta R.T. -0.03 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.4	23.2

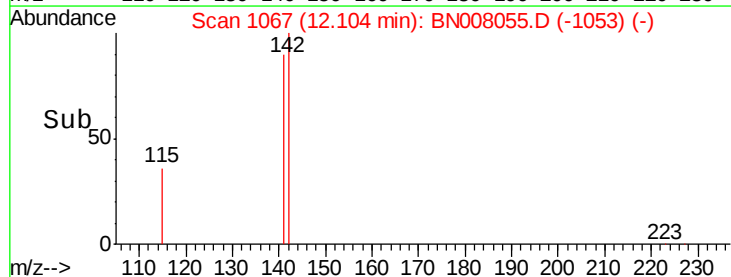
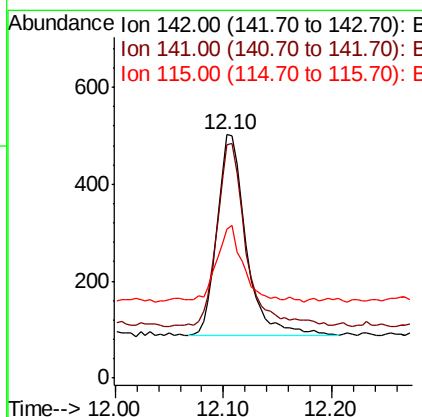
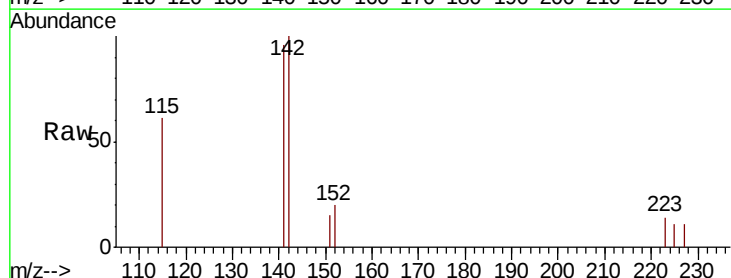
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#12
2-Methylnaphthalene
Concen: 0.037 ng
RT: 12.10 min Scan# 1067
Delta R.T. -0.04 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.8	70.6	106.0
115	61.0	28.3	42.5





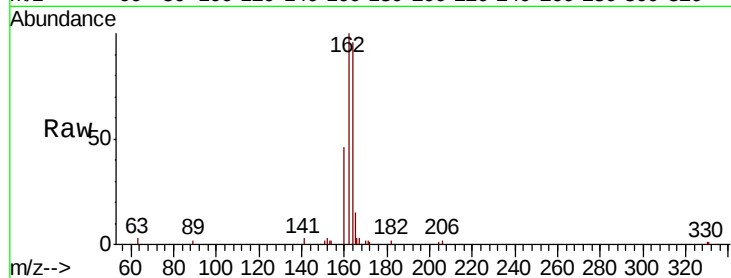
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.29 min Scan# 1318
Delta R.T. -0.03 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.1	81.7	122.5
160	47.5	37.0	55.4

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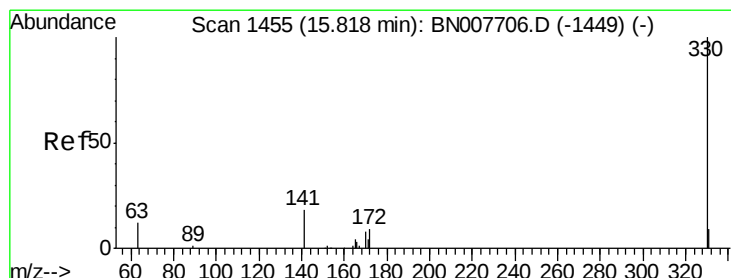
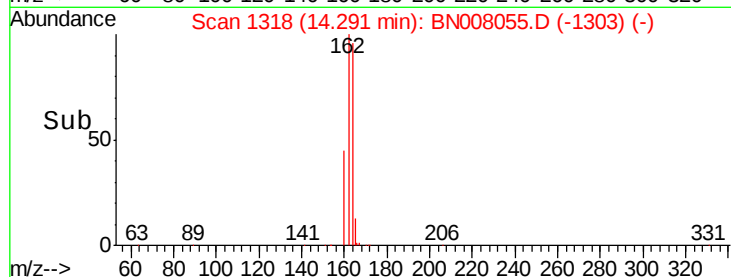
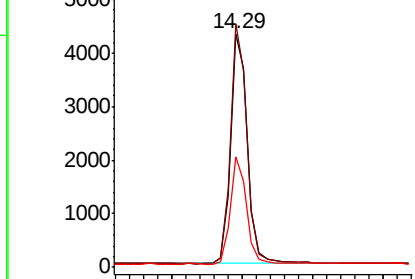


Abundance

Ion 164.00 (163.70 to 164.70): E

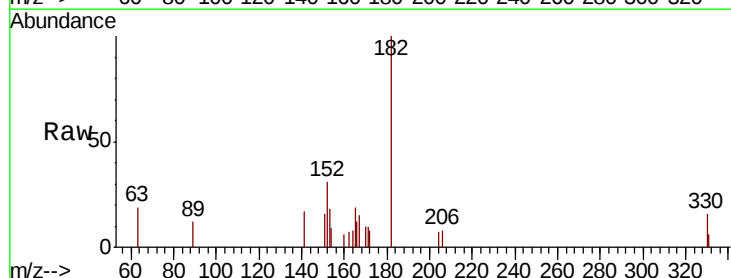
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 0.055 ng
RT: 15.80 min Scan# 1453
Delta R.T. -0.02 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	44.7	28.7	43.1#

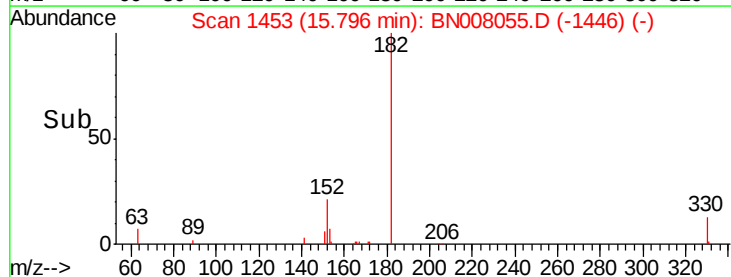
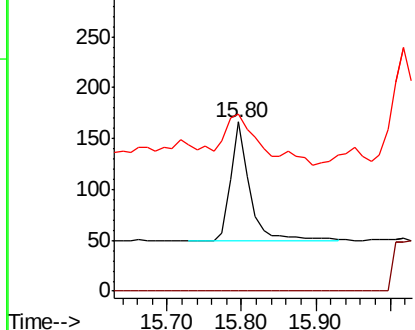


Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





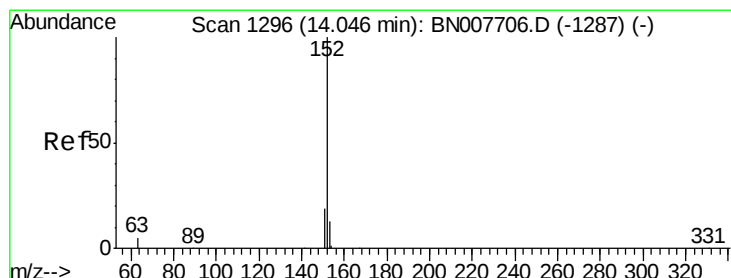
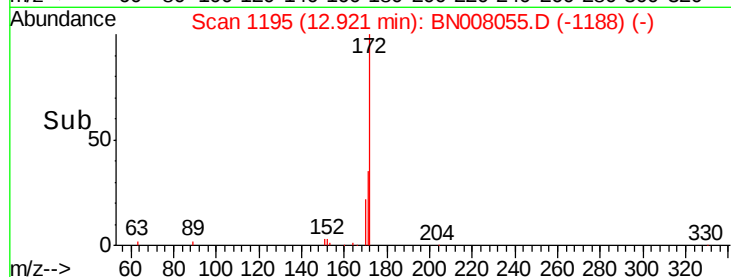
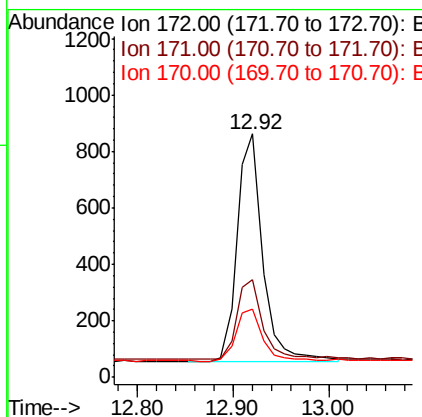
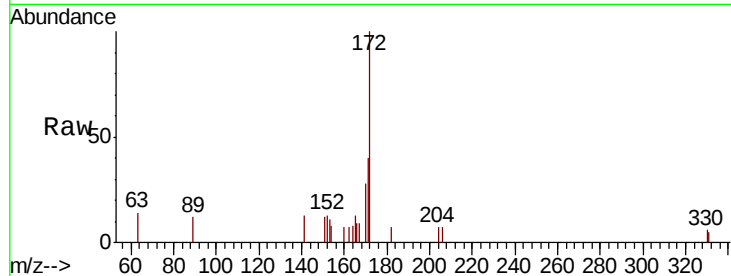
#15
2-Fluorobiphenyl
Concen: 0.051 ng
RT: 12.92 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.1	28.8	43.2
170	28.1	19.5	29.3

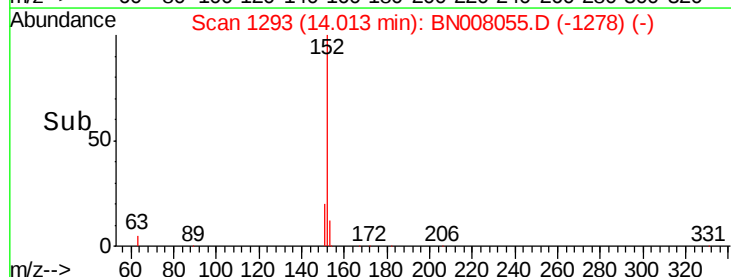
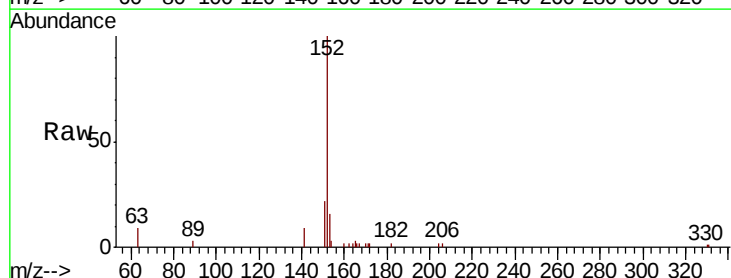
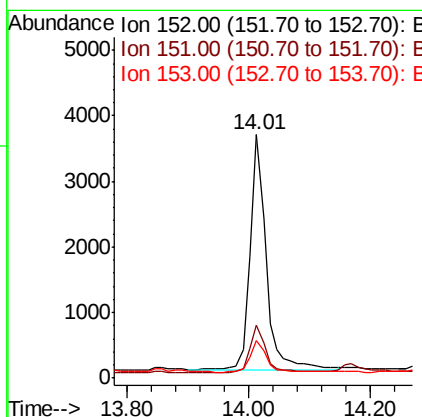
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#16
Acenaphthylene
Concen: 0.170 ng
RT: 14.01 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.5	23.3
153	13.5	10.4	15.6





#17

Acenaphthene

Concen: 0.158 ng

RT: 14.36 min Scan# 1324

Delta R.T. -0.03 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

Instrument :

BNA_N

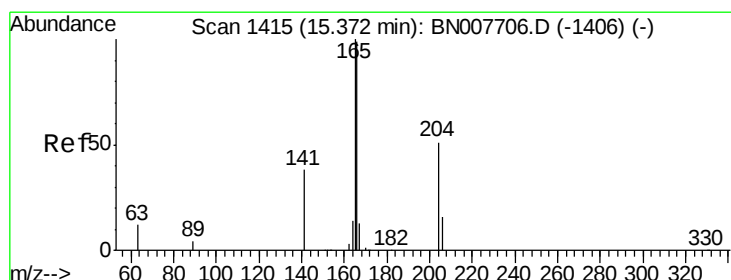
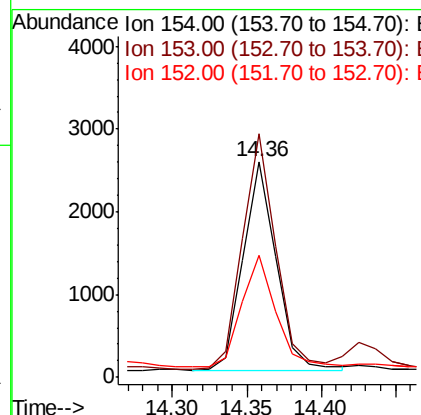
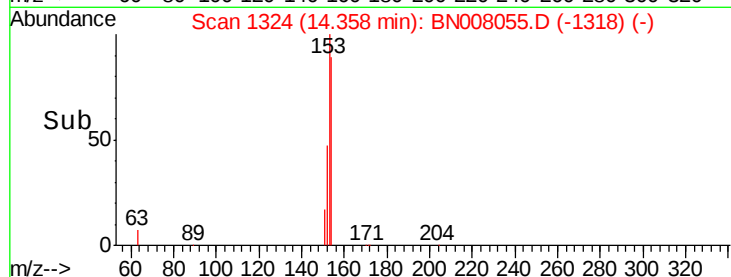
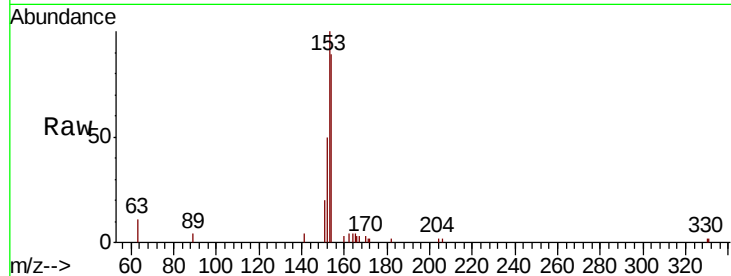
ClientSampleId :

PST-024-SW135-092519DL

Tot Ion:	154	Resp:	3900
Ion Ratio	Lower	Upper	
154	100		
153	112.8	87.0	130.4
152	53.5	42.7	64.1

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#18

Fluorene

Concen: 0.181 ng

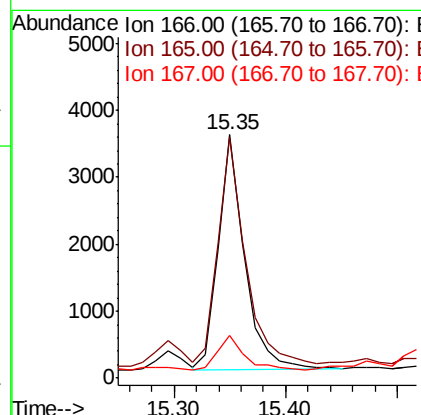
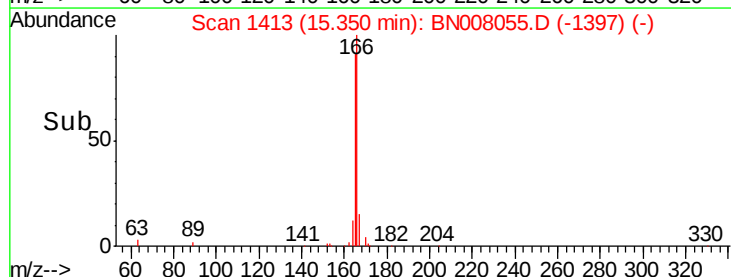
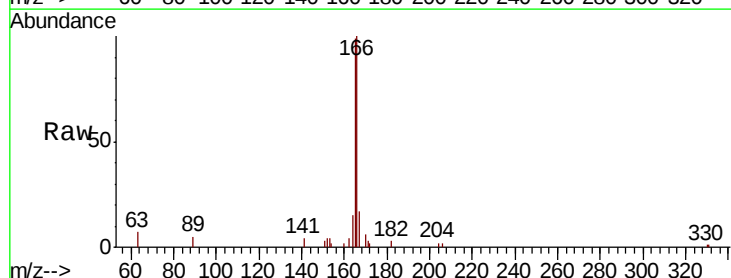
RT: 15.35 min Scan# 1413

Delta R.T. -0.02 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

Tgt Ion:	166	Resp:	5725
Ion Ratio	Lower	Upper	
166	100		
165	100.1	78.0	117.0
167	15.4	10.9	16.3





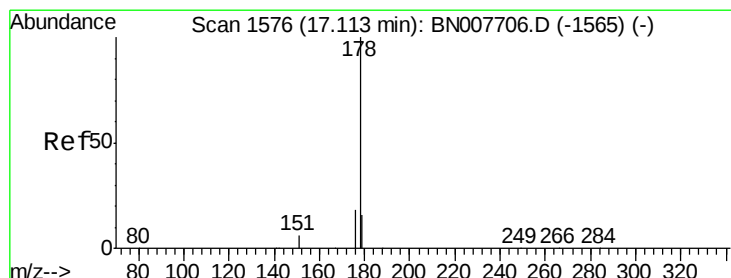
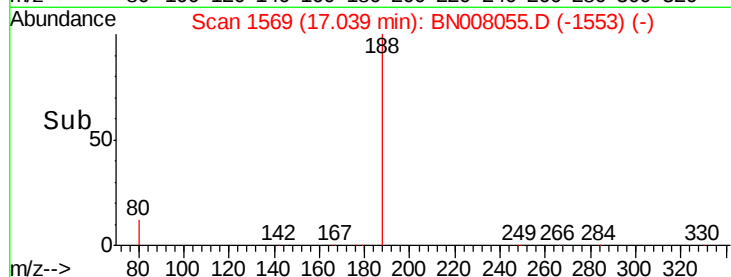
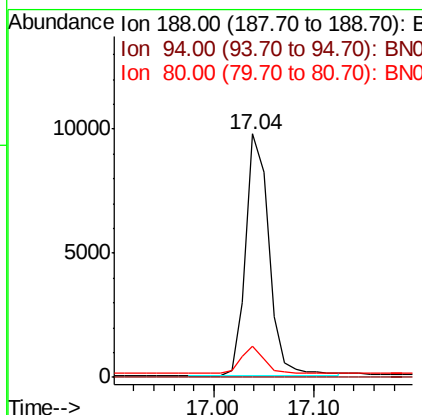
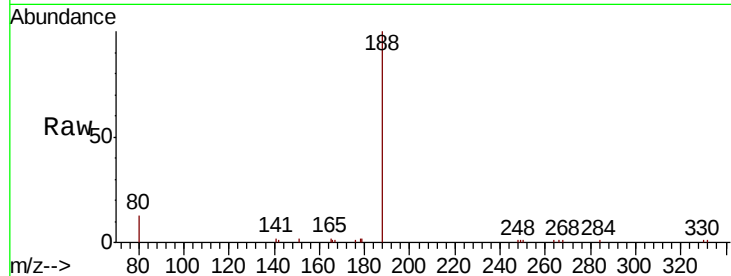
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1569
Delta R.T. -0.03 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	15770		
94	0.0	0.0	0.0	0.0
80	13.0	7.4	11.2	

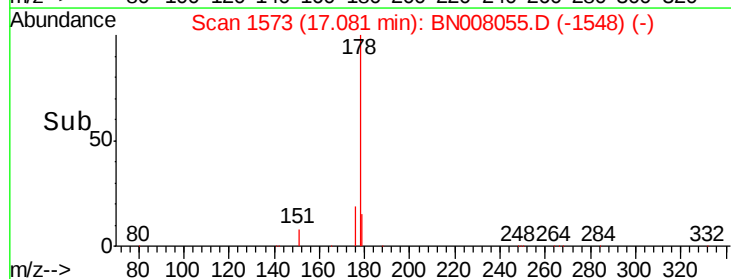
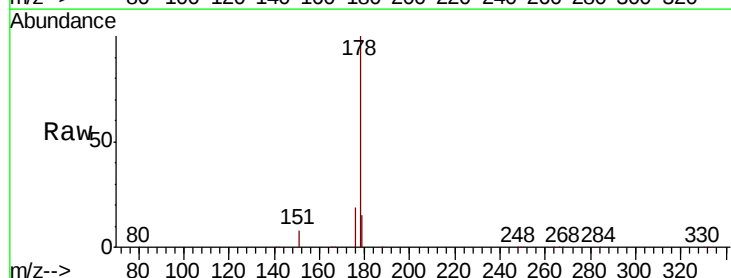
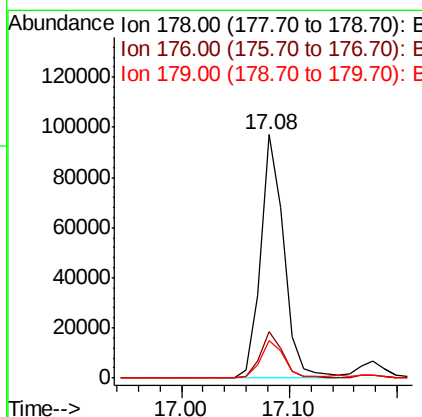
Manual Integrations
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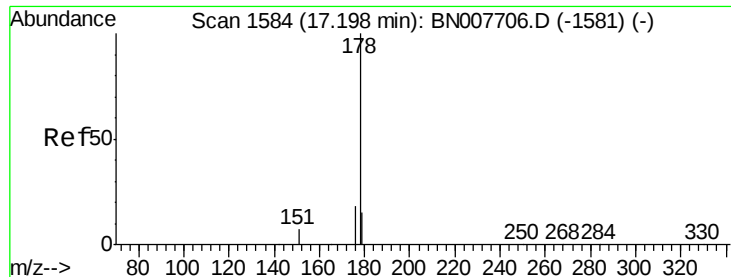
mohammad
10/8/2019 12:23:22 PM



#23
Phenanthrene
Concen: 2.920 ng
RT: 17.08 min Scan# 1573
Delta R.T. -0.03 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	143470		
176	18.6	14.9	22.3	
179	15.3	12.5	18.7	





#24

Anthracene

Concen: 0.263 ng

RT: 17.18 min Scan# 1582

Delta R.T. -0.02 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

Instrument :

BNA_N

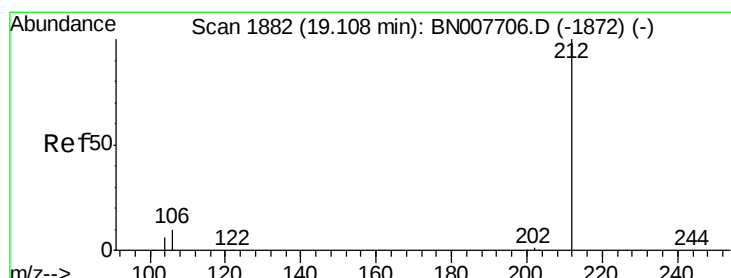
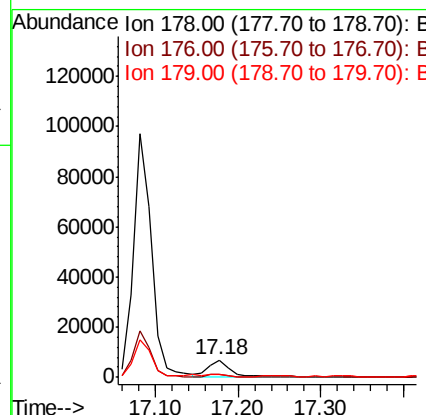
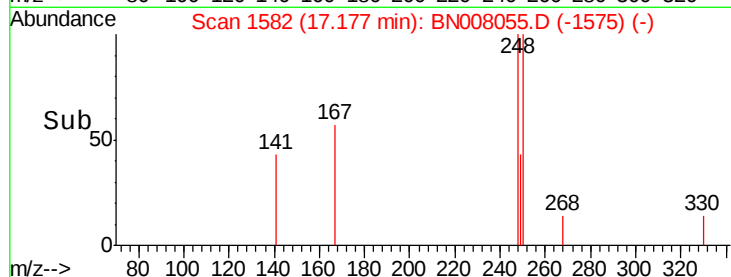
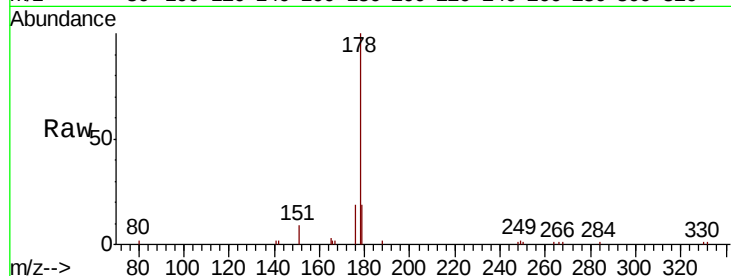
ClientSampleId :

PST-024-SW135-092519DL

Tot Ion:	178	Resp:	11651
Ion Ratio	Lower	Upper	
178	100		
176	17.8	14.6	21.8
179	21.0	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.059 ng

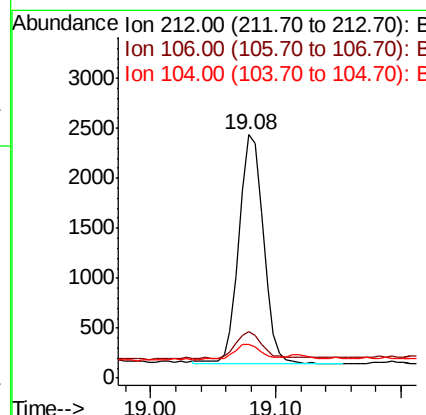
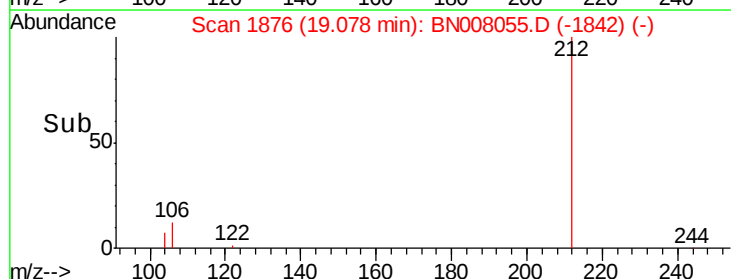
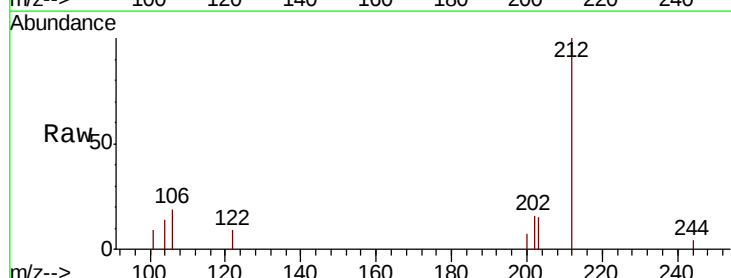
RT: 19.08 min Scan# 1876

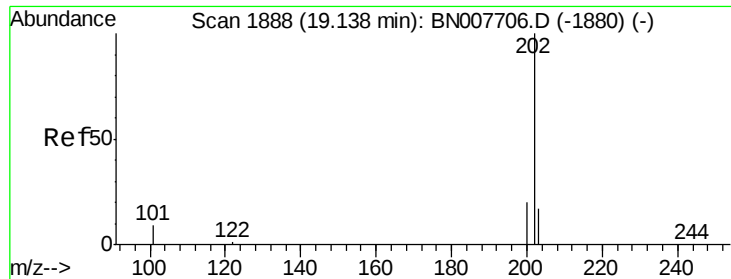
Delta R.T. -0.03 min

Lab File: BN008055.D

Acq: 07 Oct 2019 18:15

Tgt Ion:	212	Resp:	3121
Ion Ratio	Lower	Upper	
212	100		
106	12.6	9.4	14.0
104	7.0	5.3	7.9





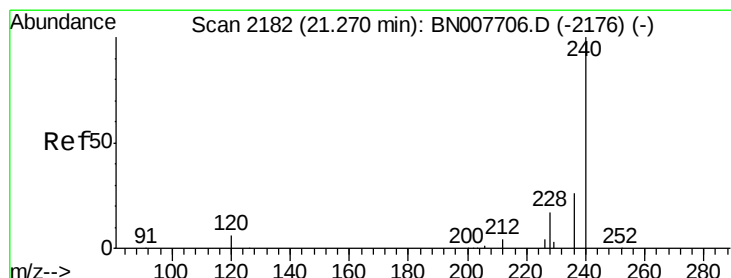
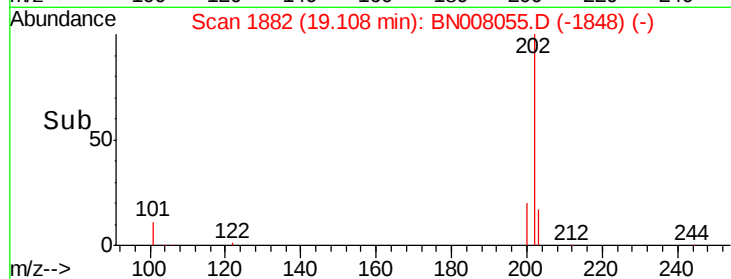
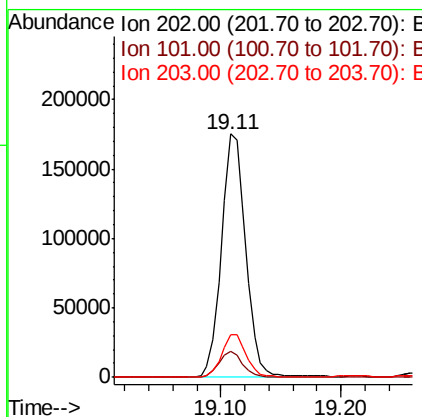
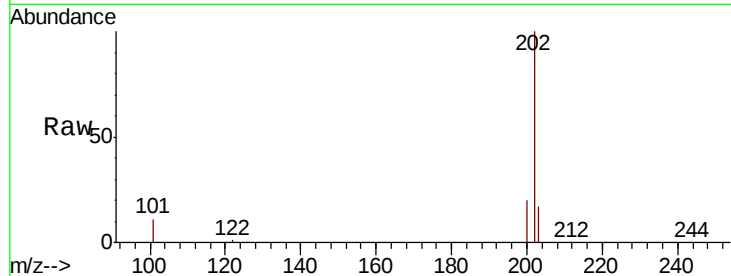
#26
Fluoranthene
 Concen: 4.013 ng
 RT: 19.11 min Scan# 1882
 Delta R.T. -0.03 min
 Lab File: BN008055.D
 Acq: 07 Oct 2019 18:15

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW135-092519DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	245143		
101	10.3		8.4	12.6
203	17.4		13.8	20.8

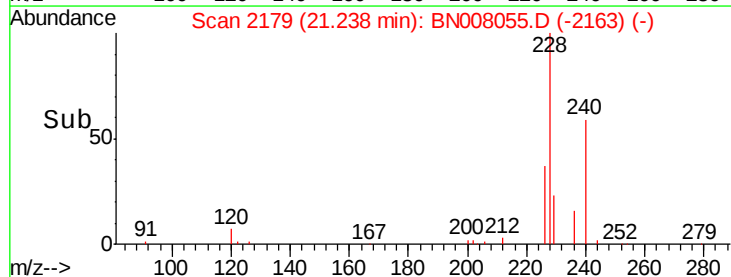
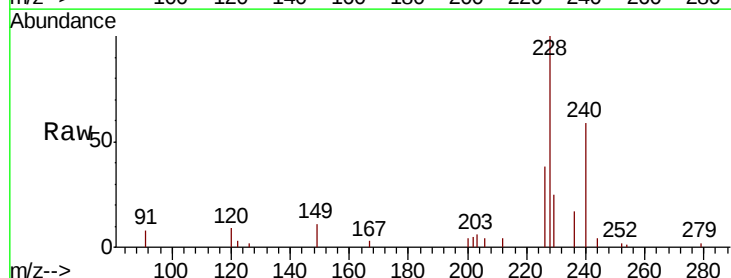
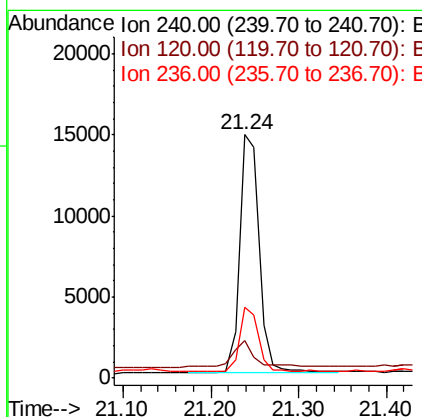
Manual Integrations
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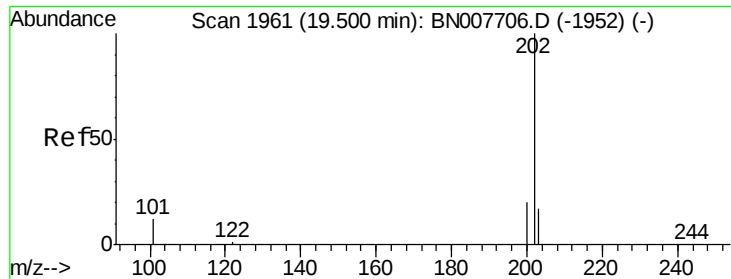
mohammad
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.24 min Scan# 2179
 Delta R.T. -0.03 min
 Lab File: BN008055.D
 Acq: 07 Oct 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	22881		
120	15.7		5.4	8.2#
236	28.9		21.0	31.4





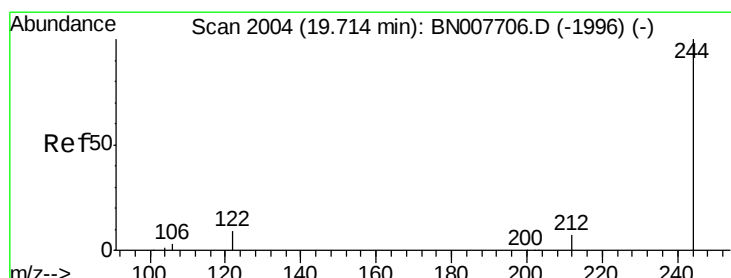
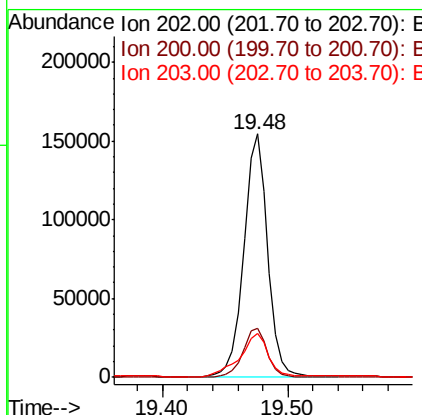
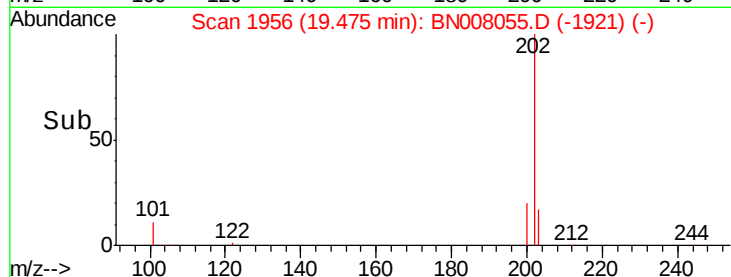
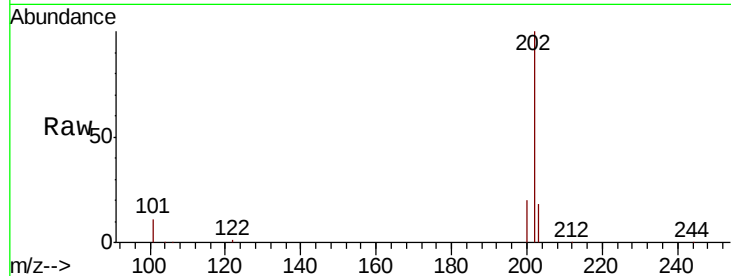
#28
Pvrene
Concen: 2.599 ng
RT: 19.48 min Scan# 1956
Delta R.T. -0.02 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	16.4	24.6
203	21.1	14.1	21.1

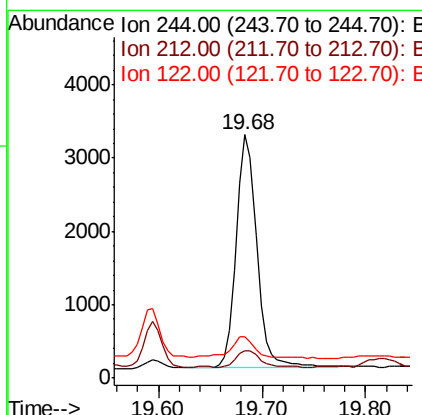
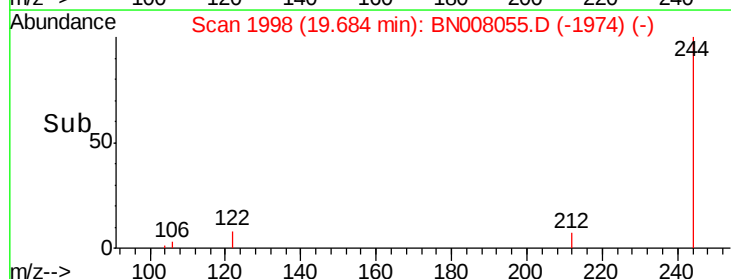
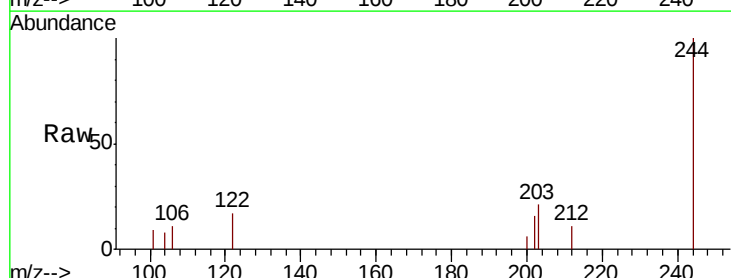
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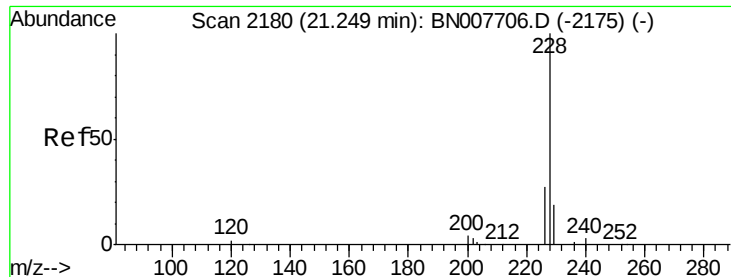
mohammad
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#29
Terphenyl-d14
Concen: 0.077 ng
RT: 19.68 min Scan# 1998
Delta R.T. -0.03 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	11.1	5.9	8.9#
122	17.0	7.4	11.2#





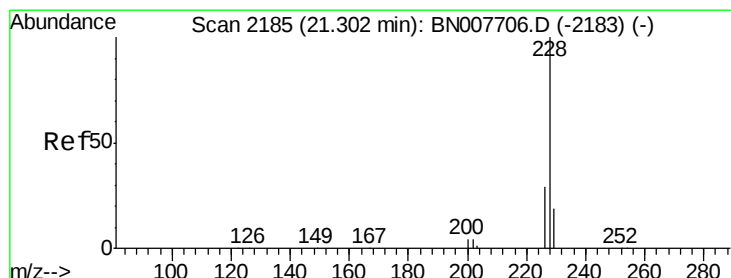
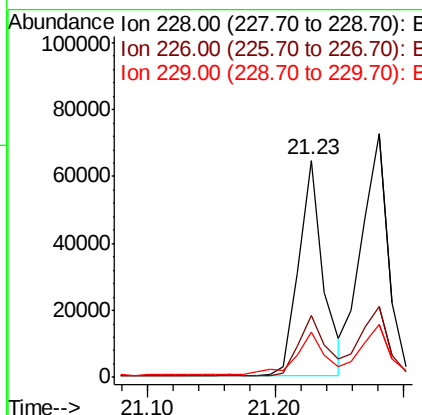
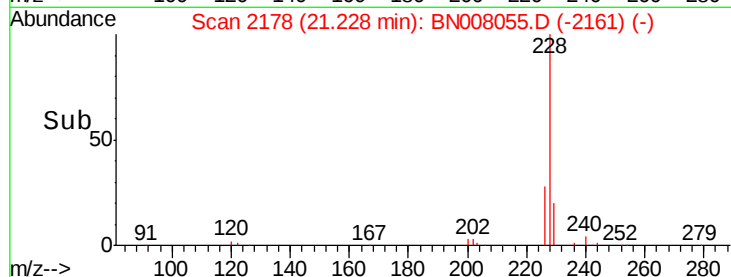
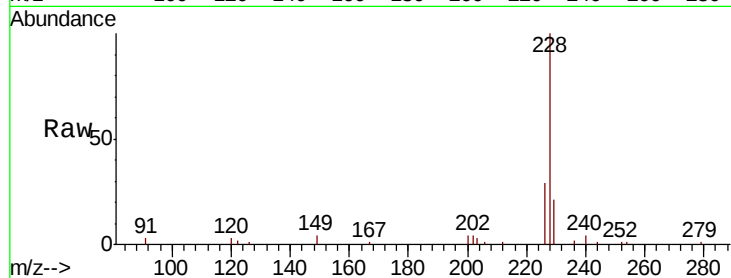
#30
Benzo(a)anthracene
Concen: 1.027 ng
RT: 21.23 min Scan# 2178
Delta R.T. -0.02 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.1	33.1
229	21.1	15.8	23.6

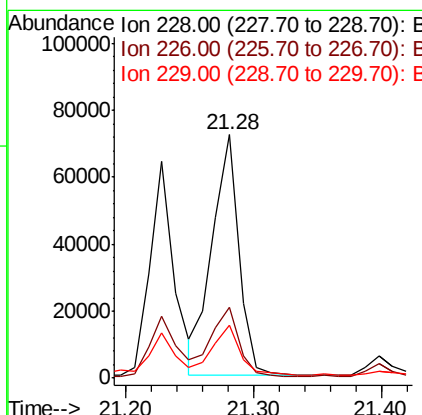
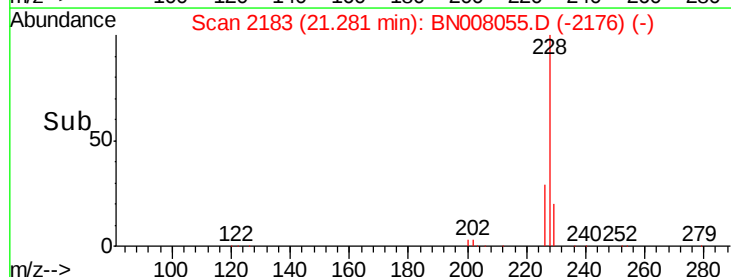
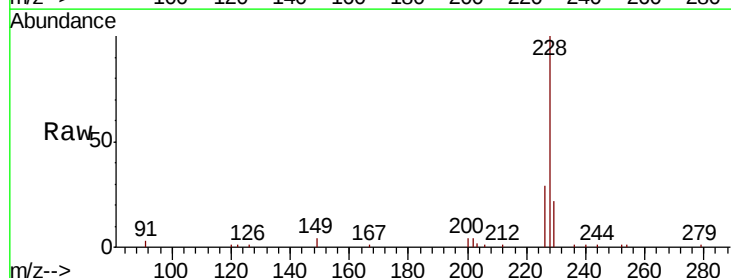
Manual Integrations
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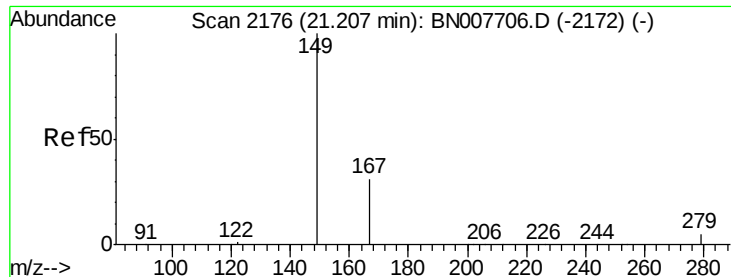
mohammad
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#31
Chrysene
Concen: 1.271 ng
RT: 21.28 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.9	35.9
229	21.9	15.8	23.6





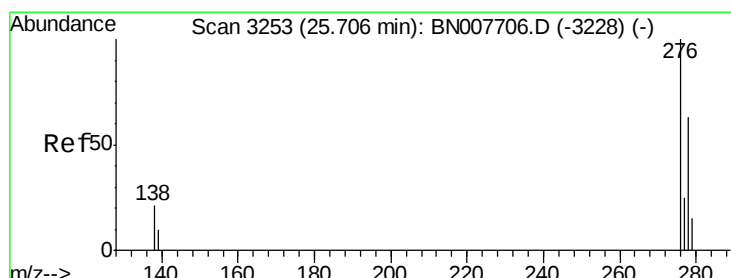
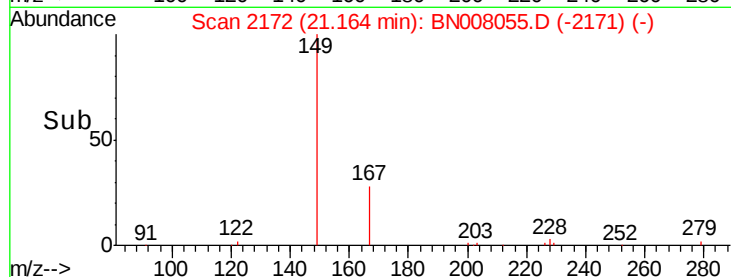
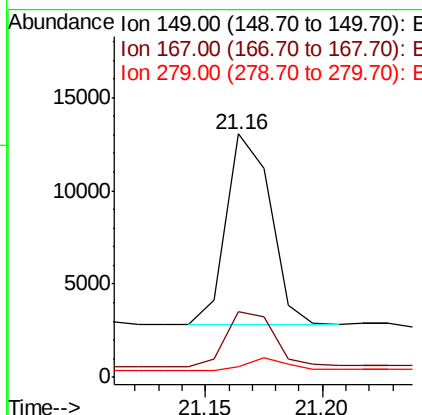
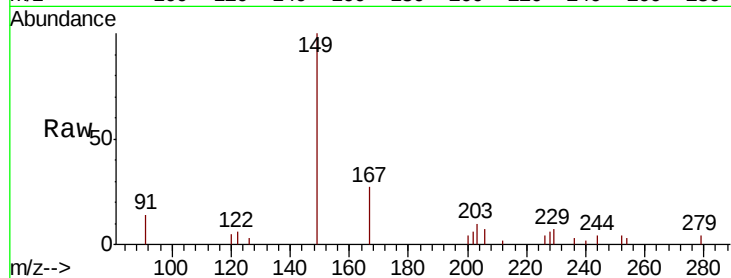
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.311 ng
 RT: 21.16 min Scan# 2172
 Delta R.T. -0.04 min
 Lab File: BN008055.D
 Acq: 07 Oct 2019 18:15

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW135-092519DL

Tot Ion:	149	Resp:	13486
Ion Ratio	Lower	Upper	
149	100		
167	30.2	23.7	35.5
279	5.7	4.2	6.2

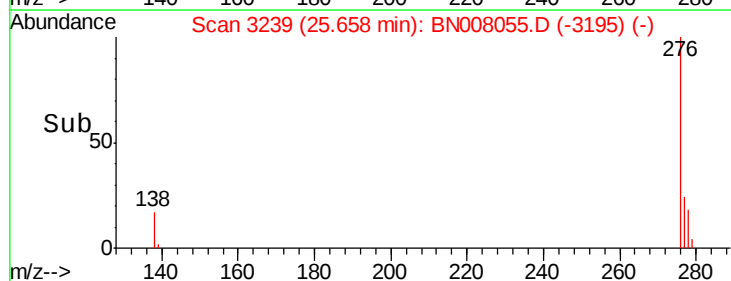
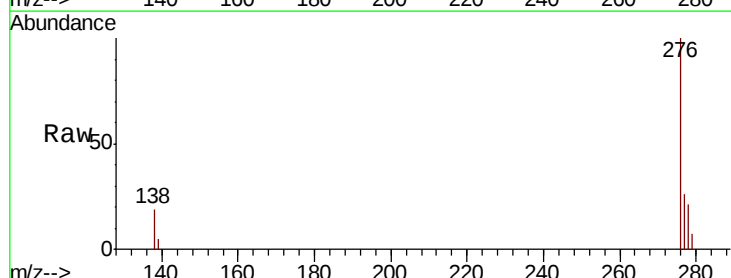
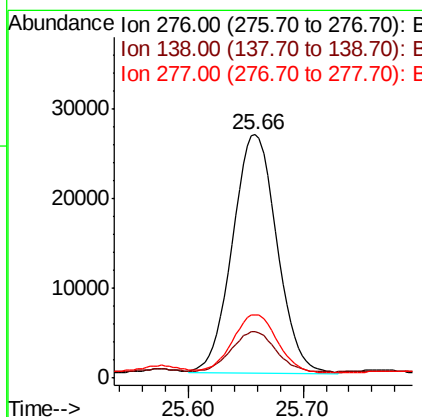
Manual Integrations
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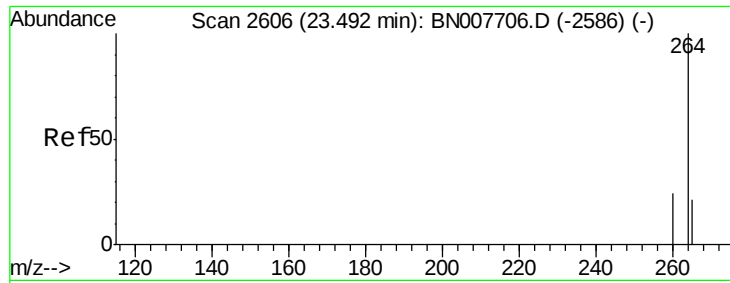
mohammad
 10/8/2019 12:23:22 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.696 ng
 RT: 25.66 min Scan# 3239
 Delta R.T. -0.05 min
 Lab File: BN008055.D
 Acq: 07 Oct 2019 18:15

Tgt Ion:	276	Resp:	71571
Ion Ratio	Lower	Upper	
276	100		
138	16.9	17.1	25.7#
277	24.4	20.0	30.0





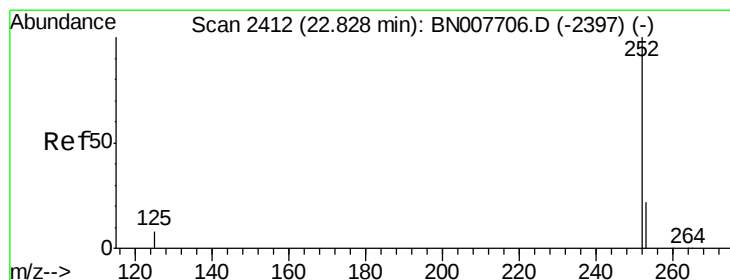
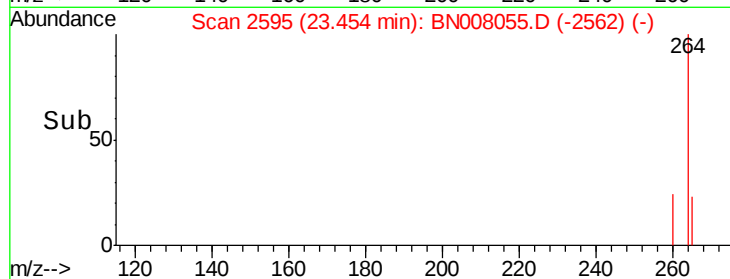
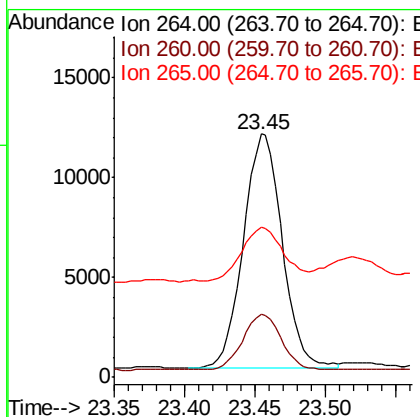
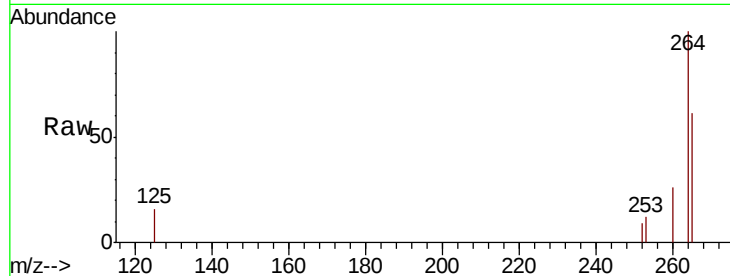
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.45 min Scan# 2595
Delta R.T. -0.04 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.3	28.9
265	61.4	26.9	40.3

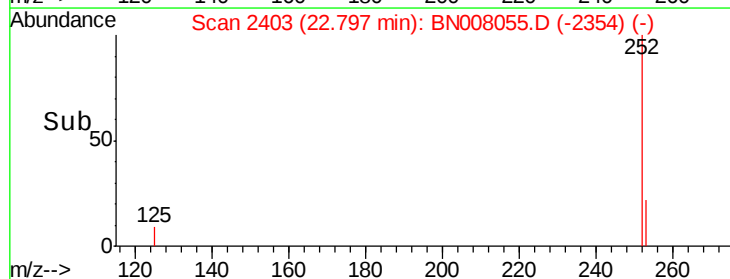
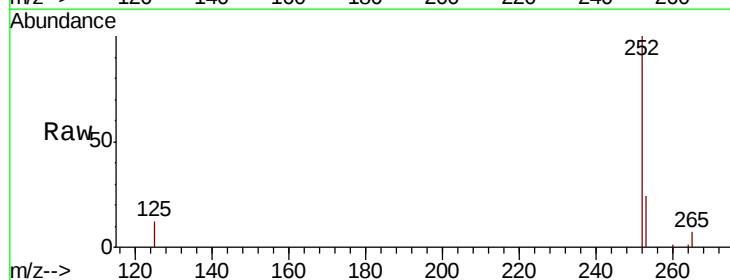
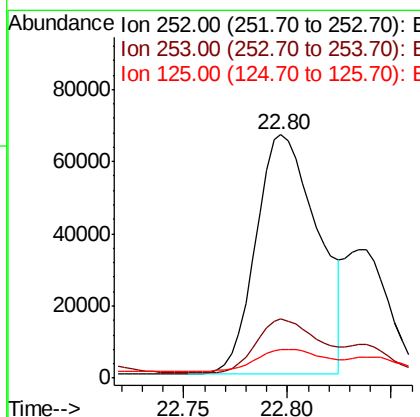
Manual Integrations
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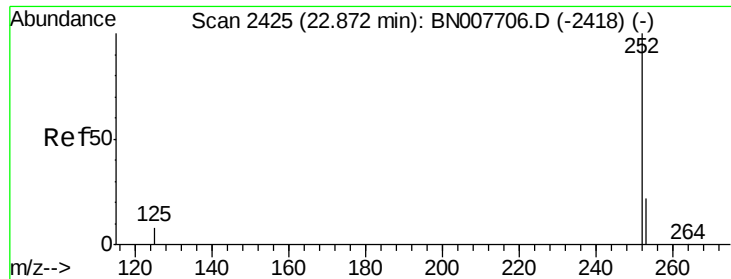
mohammad
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#35
Benzo(b)fluoranthene
Concen: 1.758 ng
RT: 22.80 min Scan# 2403
Delta R.T. -0.03 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.3	27.5
125	11.9	8.2	12.4





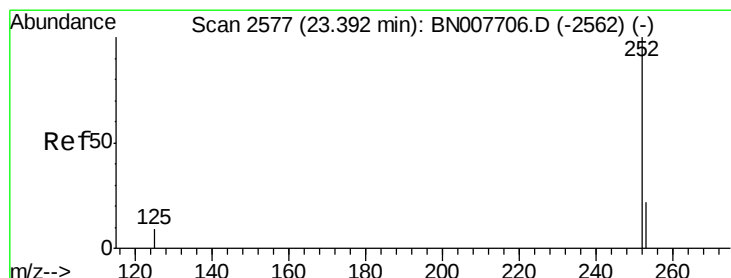
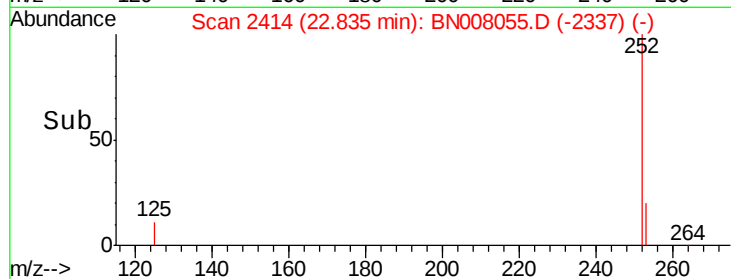
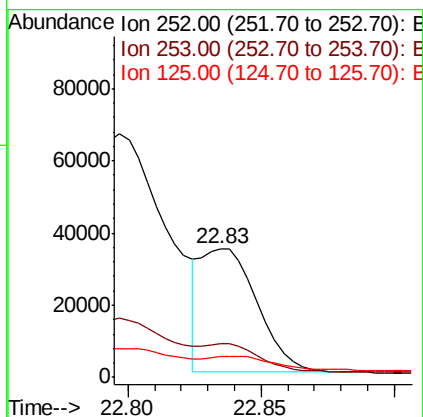
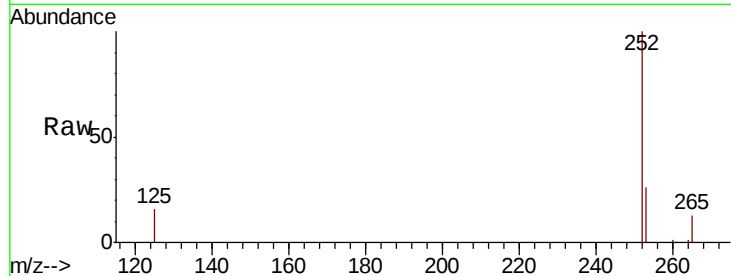
#36
Benzo(k)fluoranthene
Concen: 0.644 ng m
RT: 22.83 min Scan# 2414
Delta R.T. -0.04 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.5	27.7
125	16.2	8.4	12.6

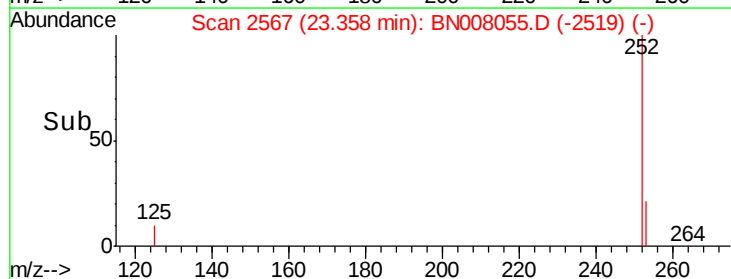
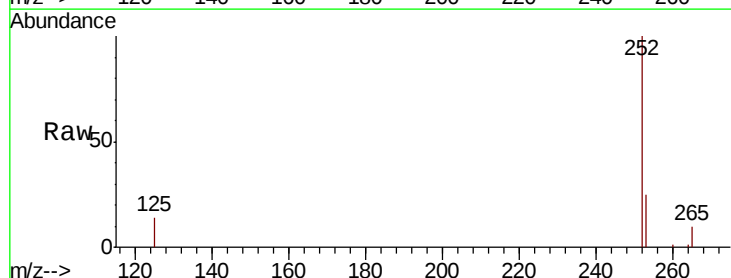
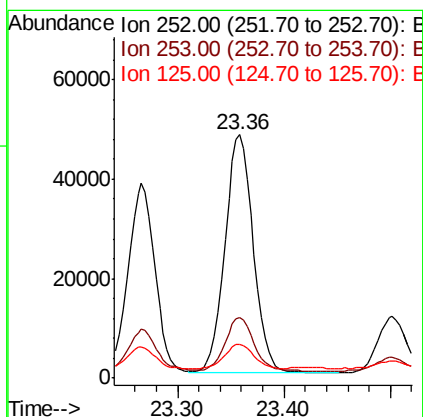
Manual Integrations
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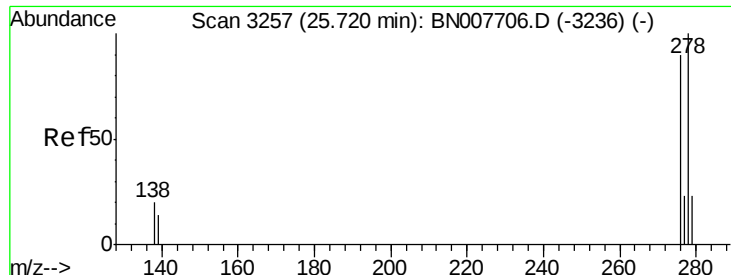
mohammad
10/8/2019 12:23:22 PM



#37
Benzo(a)pyrene
Concen: 1.198 ng
RT: 23.36 min Scan# 2567
Delta R.T. -0.03 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.6	27.8
125	14.1	9.4	14.0





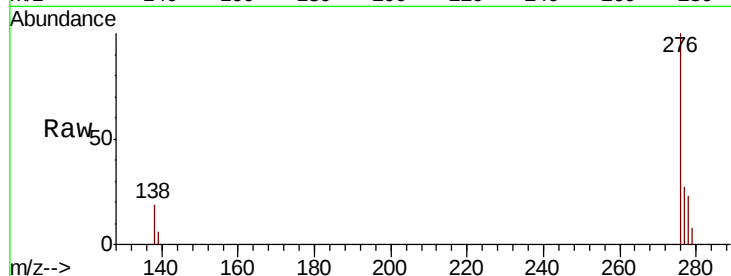
#38
Dibenzo(a,h)anthracene
Concen: 0.217 ng
RT: 25.67 min Scan# 3241
Delta R.T. -0.05 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.3	11.8	17.6#
279	33.7	19.4	29.2#

Manual Integrations
APPROVED

mohammad
10/8/2019 12:23:22 PM

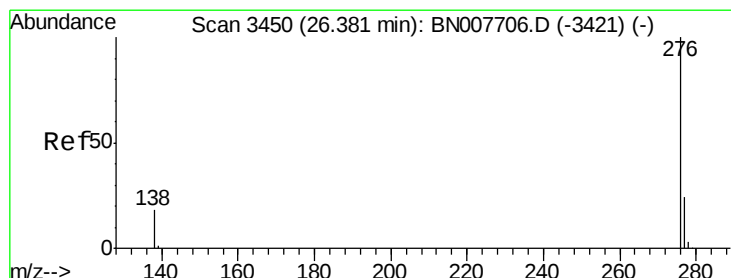
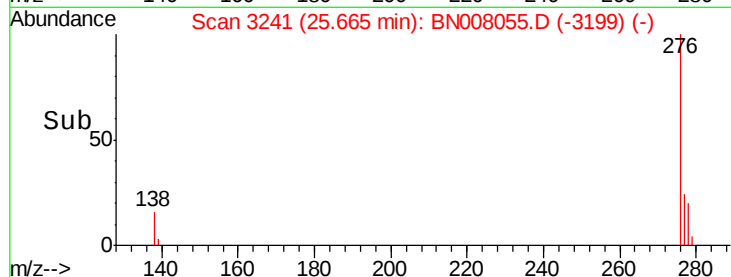
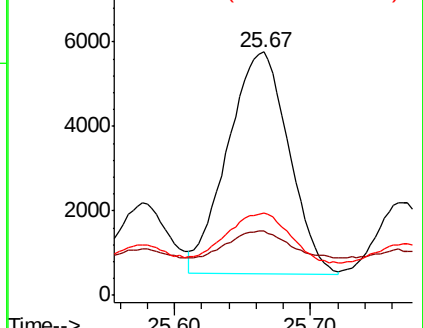


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39
Benzo(g,h,i)perylene
Concen: 0.951 ng
RT: 26.33 min Scan# 3436
Delta R.T. -0.05 min
Lab File: BN008055.D
Acq: 07 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.8	29.8
138	19.6	15.1	22.7

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

