

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092719\
 Data File : BN007887.D
 Acq On : 27 Sep 2019 14:42
 Operator : JU
 Sample : K4995-09DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-SW085-091819-3DL

Manual Integrations
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mohammad
 10/7/2019 8:25:17 AM

Quant Time: Sep 30 12:06:00 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Sep 18 18:24:40 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	8646	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	34546	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	20936	0.40	ng	-0.02
19) Phenanthrene-d10	17.06	188	43363	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	44842	0.40	ng	0.00
34) Perylene-d12	23.48	264	50223	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	1258	0.04	ng	0.00
5) Phenol-d6	6.86	99	1813	0.04	ng	0.00
8) Nitrobenzene-d5	8.83	82	1487	0.05	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	2745	0.05	ng	-0.01
14) 2,4,6-Tribromophenol	15.80	330	528	0.05	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	3921	0.05	ng	0.00
25) Fluoranthene-d10	19.10	212	6955m	0.05	ng	-0.01
29) Terphenyl-d14	19.70	244	6742	0.06	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.51	128	14518	0.150	ng	99
12) 2-Methylnaphthalene	12.13	142	12757	0.195	ng	100
16) Acenaphthylene	14.03	152	106457	0.959	ng	99
17) Acenaphthene	14.38	154	12277	0.172	ng	93
18) Fluorene	15.37	166	30762	0.335	ng	84
23) Phenanthrene	17.10	178	735095	5.442	ng	100
24) Anthracene	17.19	178	104118	0.853	ng	98
26) Fluoranthene	19.12	202	807574	4.808	ng	99
28) Pyrene	19.49	202	1255383	8.209	ng	96
30) Benzo(a)anthracene	21.24	228	526357	3.187	ng	96
31) Chrysene	21.29	228	647811	4.025	ng	98
32) Bis(2-ethylhexyl)phthalate	21.19	149	14534	0.171	ng	91
33) Indeno(1,2,3-cd)pyrene	25.69	276	265272	1.317	ng	97
35) Benzo(b)fluoranthene	22.82	252	538416	3.088	ng	99
36) Benzo(k)fluoranthene	22.85	252	169287m	0.982	ng	
37) Benzo(a)pyrene	23.38	252	433038	2.643	ng	98
38) Dibenzo(a,h)anthracene	25.69	278	80952	0.483	ng	# 90
39) Benzo(a,h,i)perylene	26.36	276	317211	1.912	ng	100

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

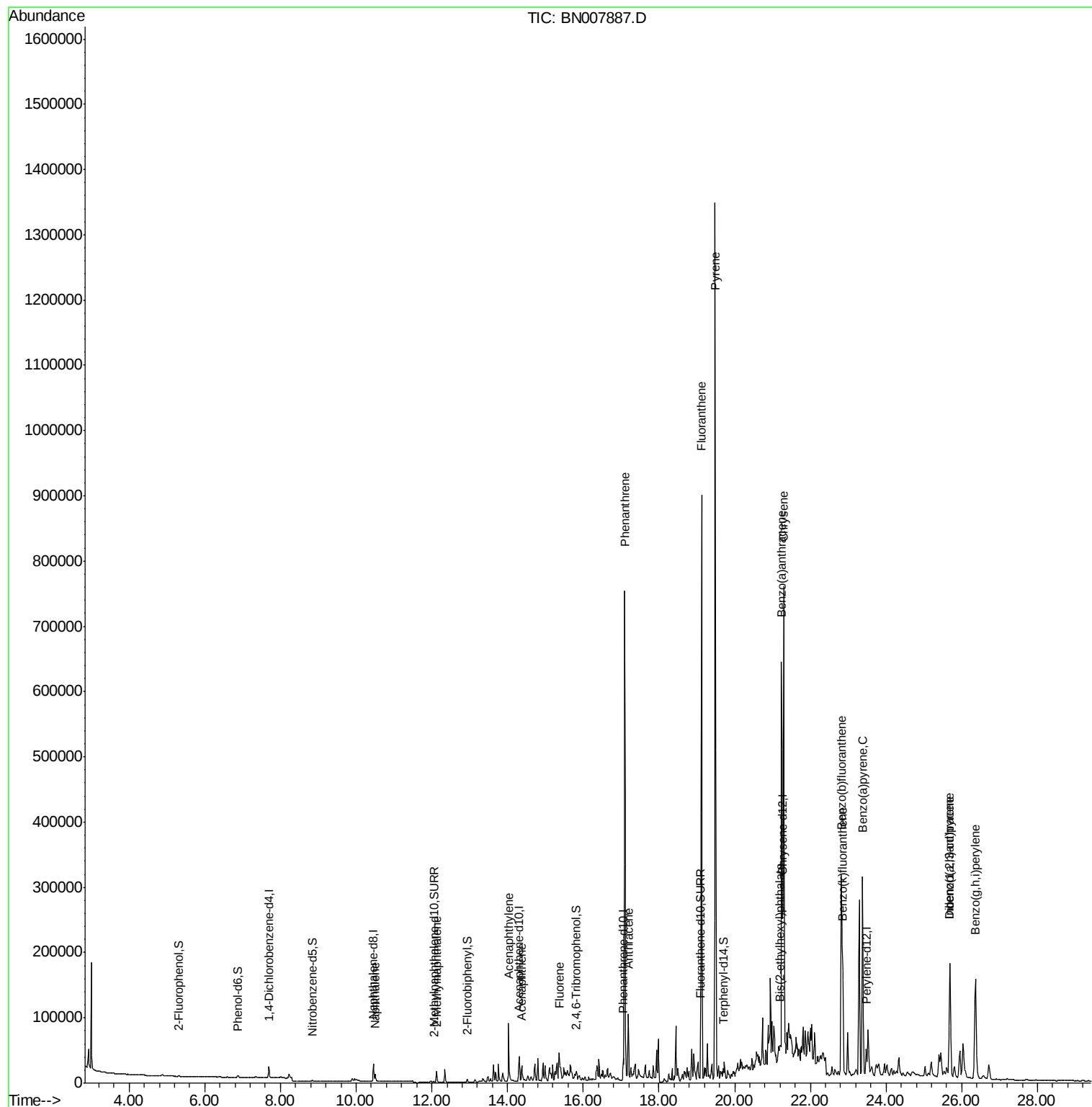
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092719\
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#1

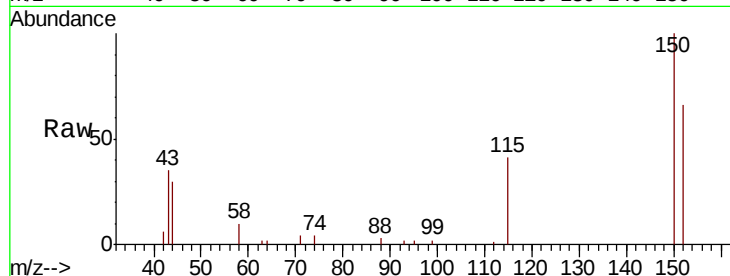
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Instrument :
BNA_N
ClientSampleId :
EXT-SW085-091819-3DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.9	125.6	188.4
115	62.6	53.3	79.9

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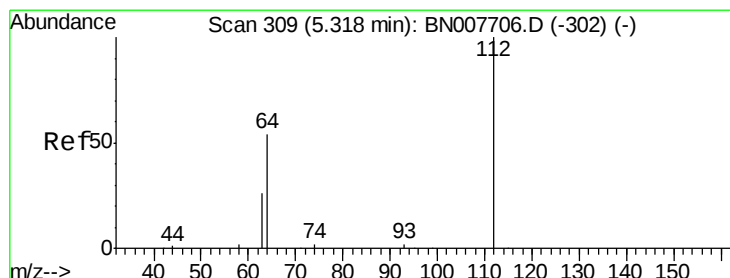
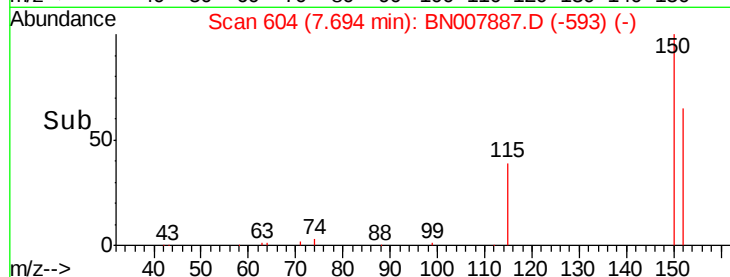
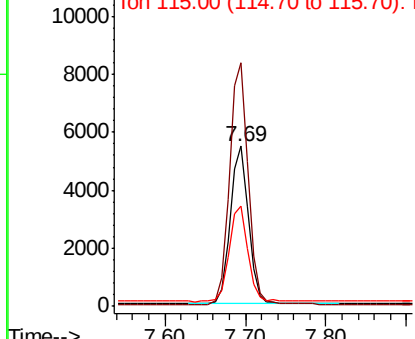


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

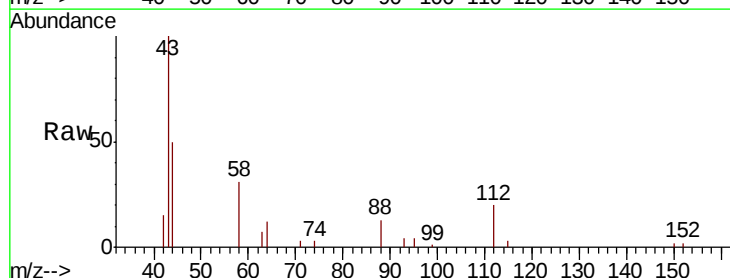
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.042 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	46.6	70.0
63	29.3	23.1	34.7

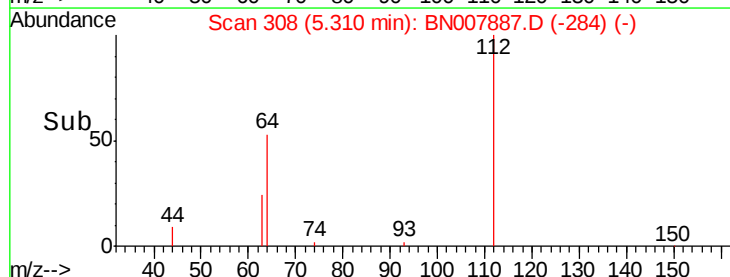
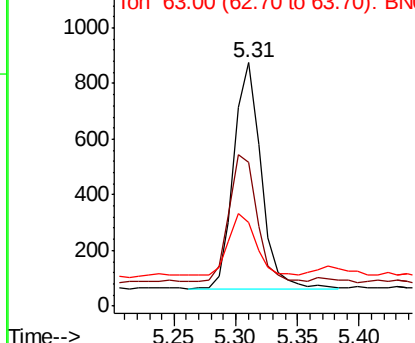


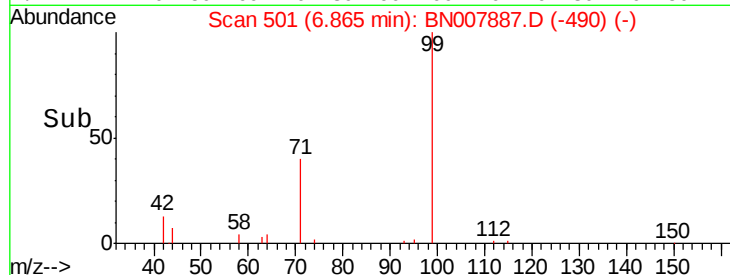
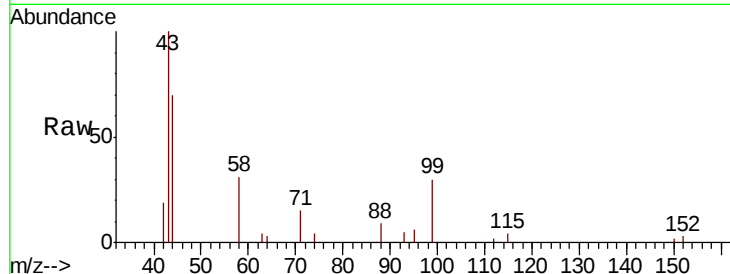
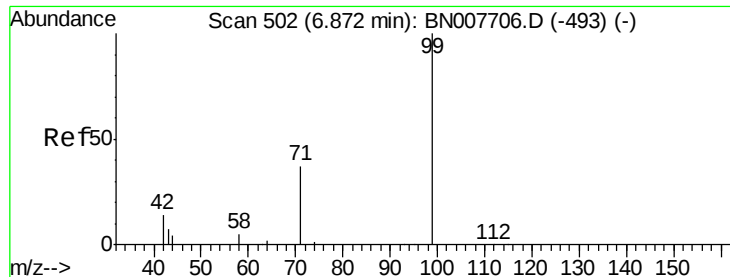
Abundance

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: 0.043 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007887.D

Acq: 27 Sep 2019 14:42

Tot Ion:	99	Resp:	1813
Ion Ratio	Lower	Upper	
99	100		
42	26.0	12.8	19.2#
71	41.0	27.6	41.4

Instrument :

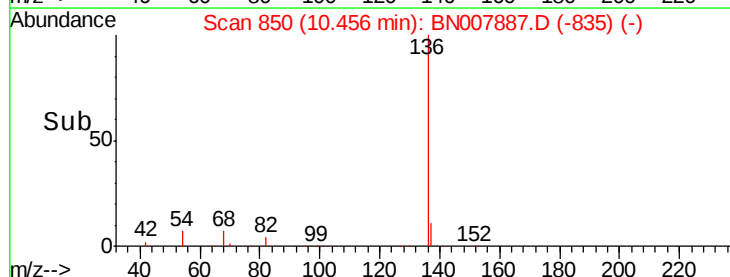
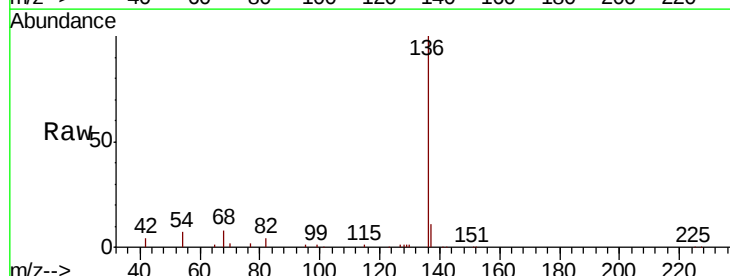
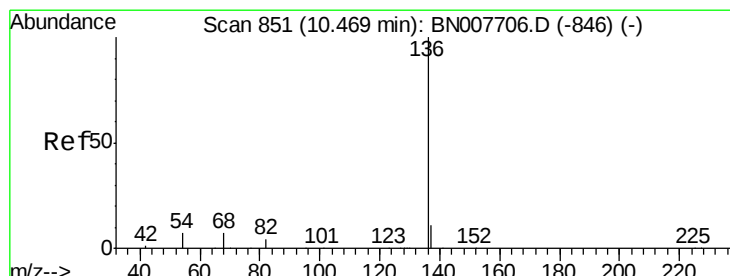
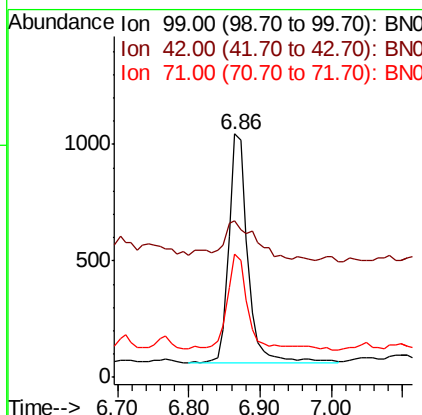
BNA_N

ClientSampleId :

EXT-SW085-091819-3DL

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#7

Naphthalene-d8

Concen: 0.400 ng

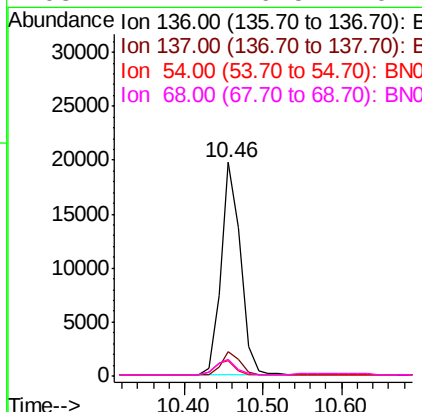
RT: 10.46 min Scan# 850

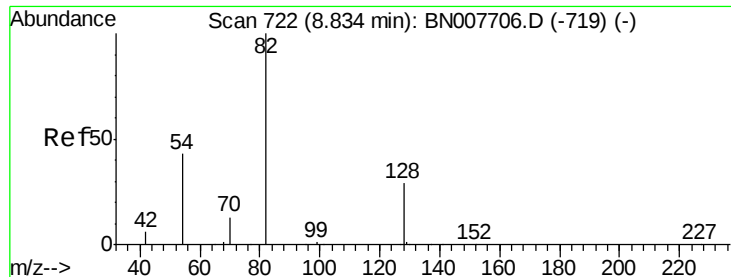
Delta R.T. -0.01 min

Lab File: BN007887.D

Acq: 27 Sep 2019 14:42

Tgt Ion:	136	Resp:	34546
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.2	13.8
54	7.1	5.8	8.8
68	7.7	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.049 ng

RT: 8.83 min Scan# 722

Delta R.T. 0.00 min

Lab File: BN007887.D

Acq: 27 Sep 2019 14:42

Instrument :

BNA_N

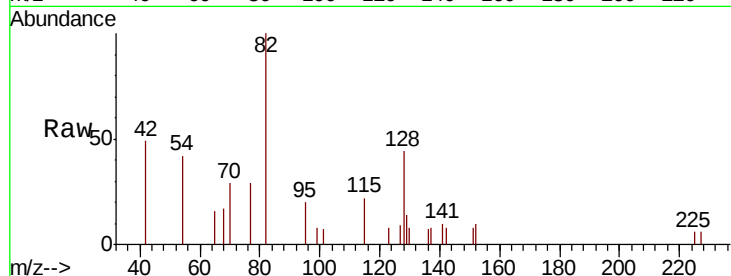
ClientSampleId :

EXT-SW085-091819-3DL

Tot Ion:	82	Resp:	1487
Ion Ratio	Lower	Upper	
82	100		
128	44.4	24.5	36.7#
54	41.7	35.2	52.8

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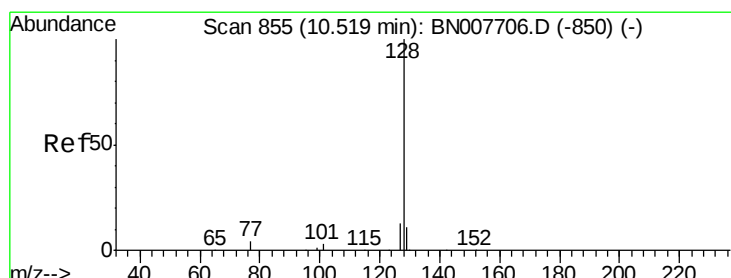
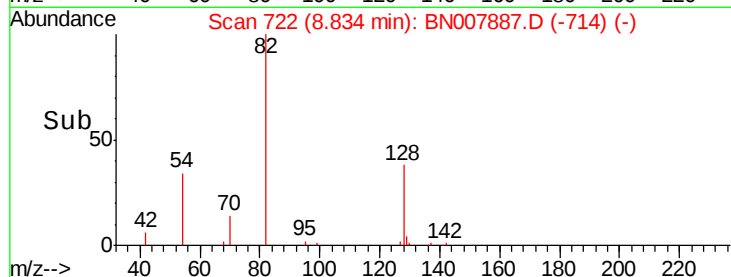
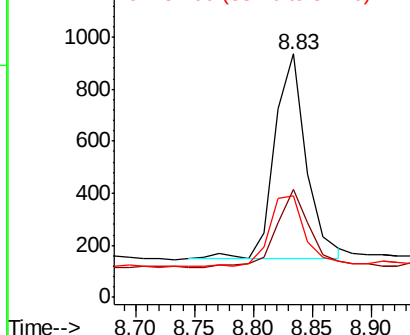


Abundance

Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BN0



#9

Naphthalene

Concen: 0.150 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN007887.D

Acq: 27 Sep 2019 14:42

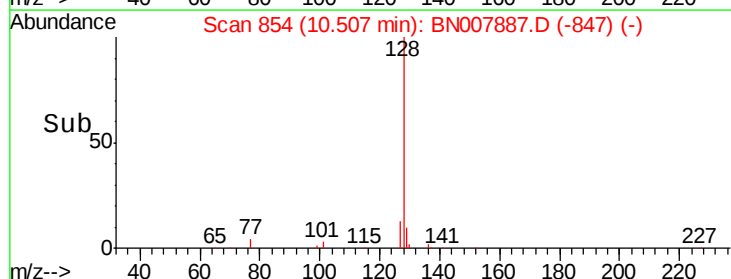
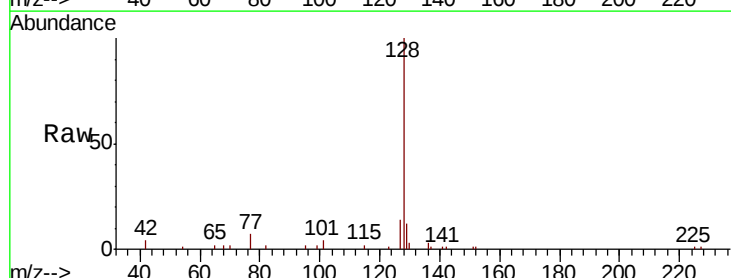
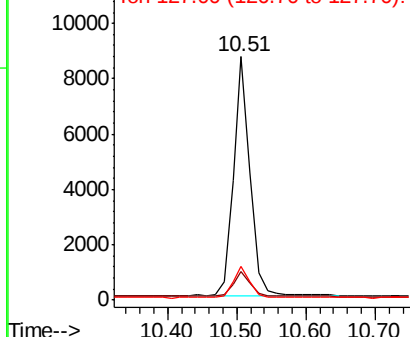
Tgt Ion:	128	Resp:	14518
Ion Ratio	Lower	Upper	
128	100		
129	11.8	9.1	13.7
127	13.8	10.6	15.8

Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





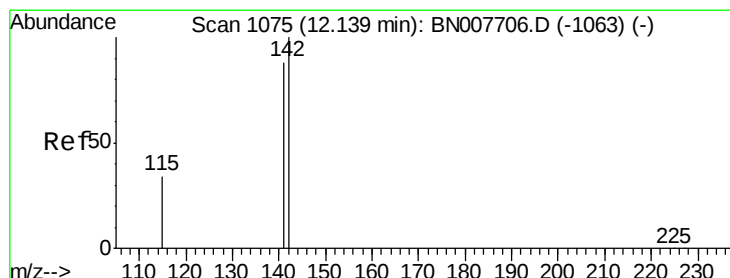
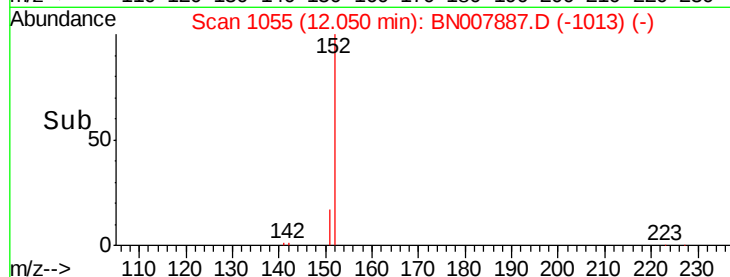
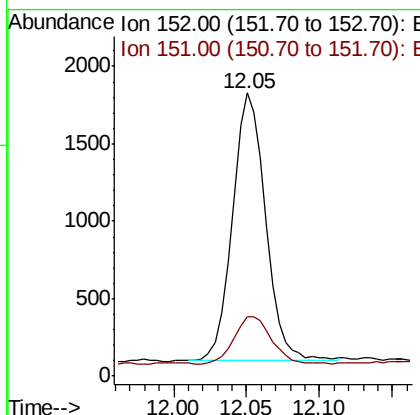
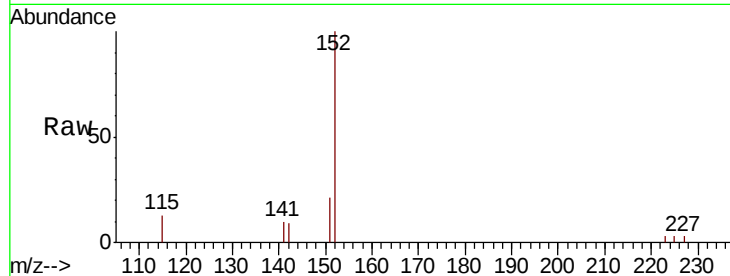
#11
2-Methylnaphthalene-d10
Concen: 0.047 ng
RT: 12.05 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Instrument :
BNA_N
ClientSampleId :
EXT-SW085-091819-3DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.4	23.2

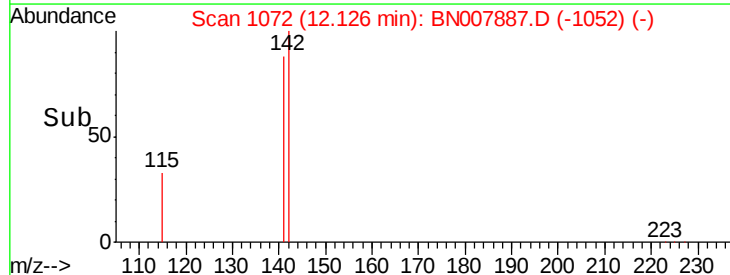
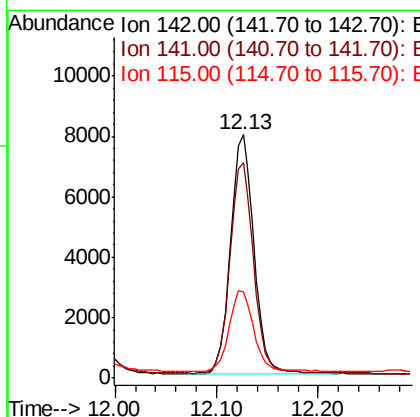
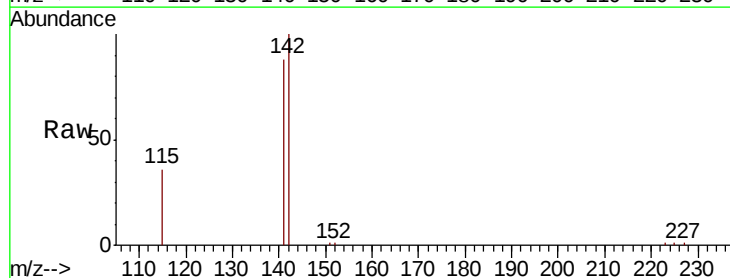
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#12
2-Methylnaphthalene
Concen: 0.195 ng
RT: 12.13 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.6	106.0
115	35.6	28.3	42.5





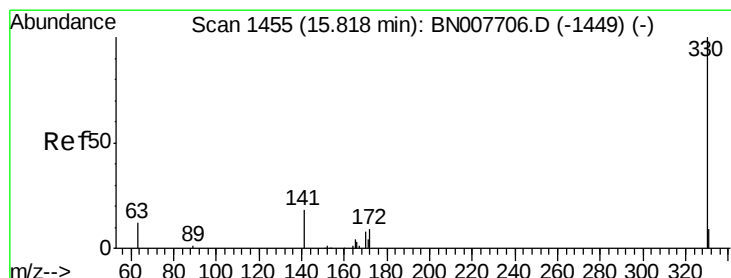
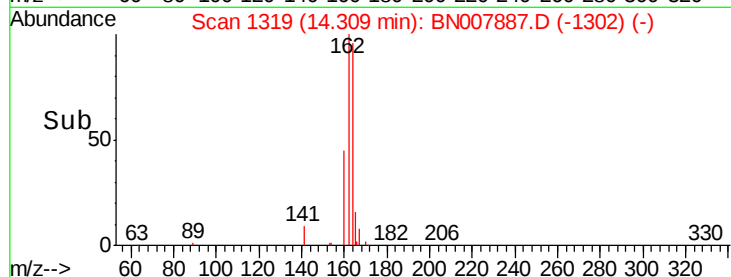
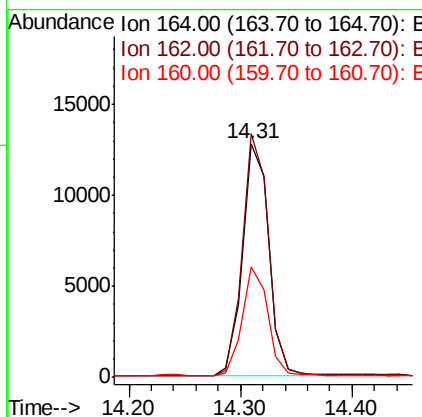
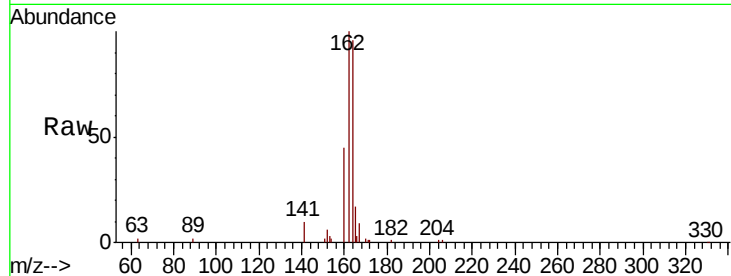
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Instrument :
BNA_N
ClientSampleId :
EXT-SW085-091819-3DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.2	81.7	122.5
160	47.4	37.0	55.4

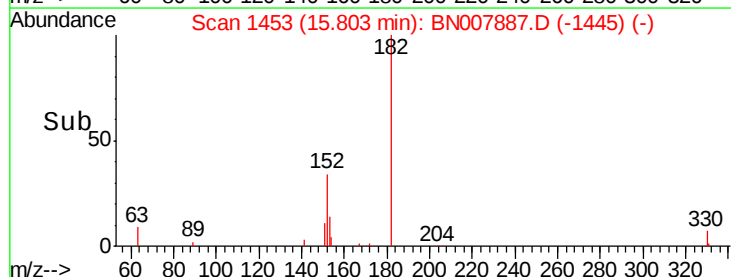
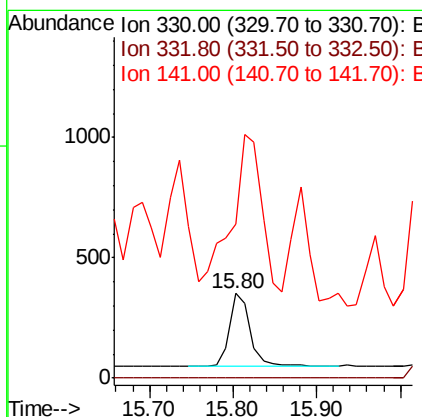
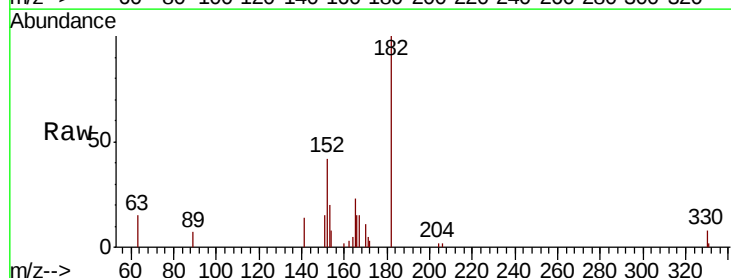
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#14
2,4,6-Tribromophenol
Concen: 0.046 ng
RT: 15.80 min Scan# 1453
Delta R.T. -0.02 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	295.1	28.7	43.1#





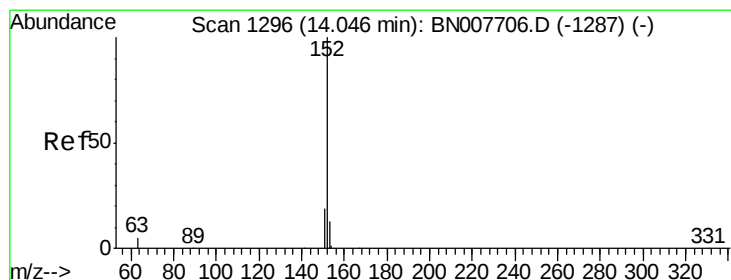
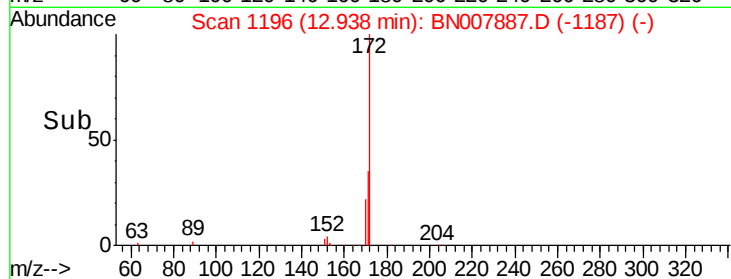
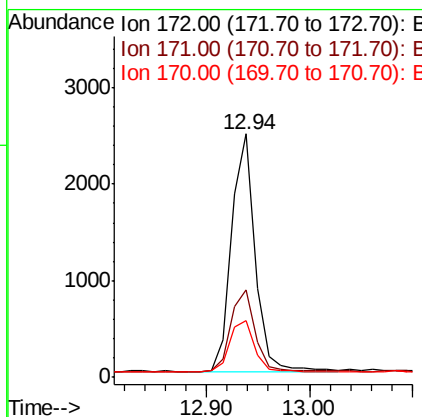
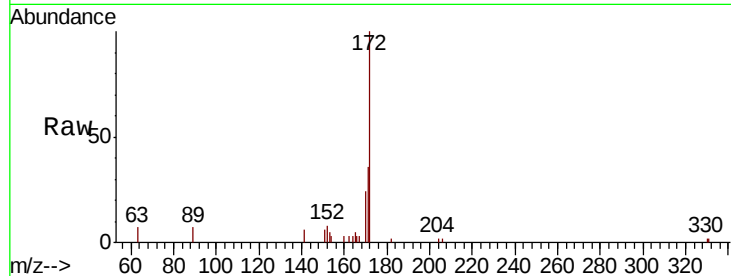
#15
2-Fluorobiphenyl
Concen: 0.045 ng
RT: 12.94 min Scan# 1196
Delta R.T. -0.00 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Instrument :
BNA_N
ClientSampleId :
EXT-SW085-091819-3DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.5	19.5	29.3

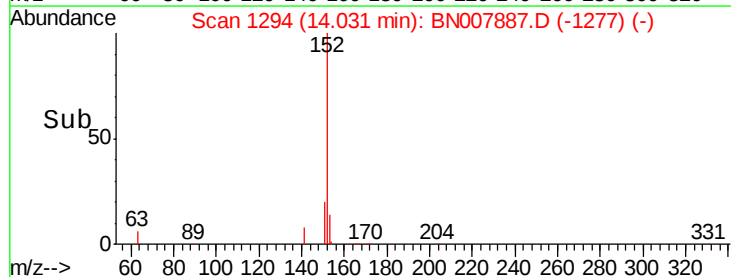
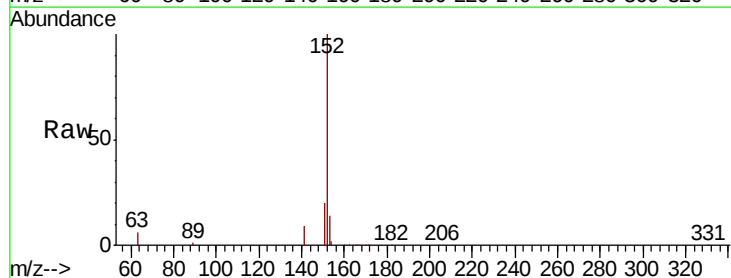
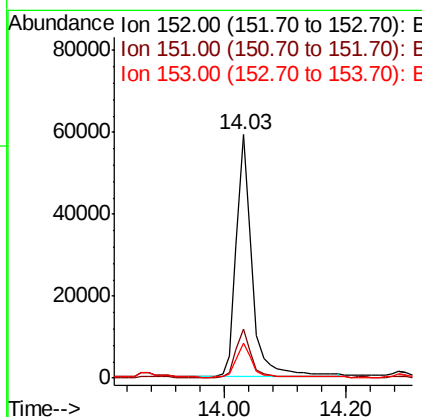
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#16
Acenaphthylene
Concen: 0.959 ng
RT: 14.03 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3
153	13.9	10.4	15.6





#17

Acenaphthene

Concen: 0.172 ng

RT: 14.38 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN007887.D

Acq: 27 Sep 2019 14:42

Instrument :

BNA_N

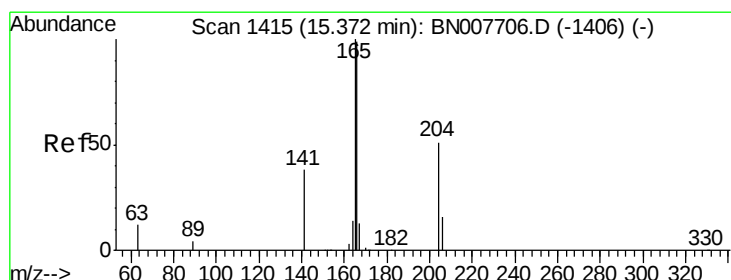
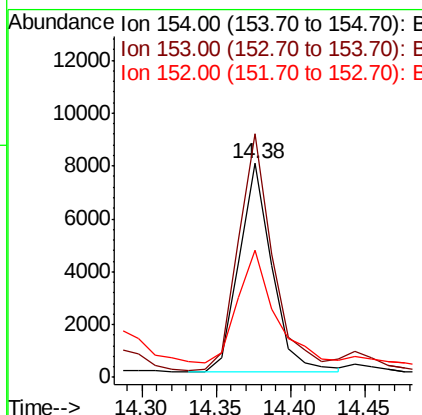
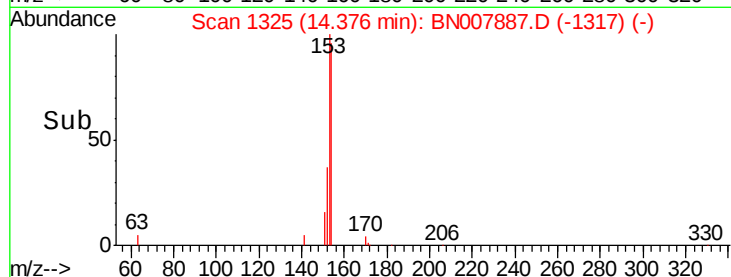
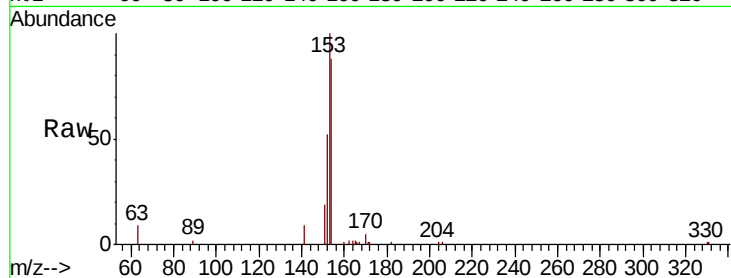
ClientSampleId :

EXT-SW085-091819-3DL

Tot Ion:	154	Resp:	12277
Ion Ratio	Lower	Upper	
154	100		
153	115.7	87.0	130.4
152	58.6	42.7	64.1

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#18

Fluorene

Concen: 0.335 ng

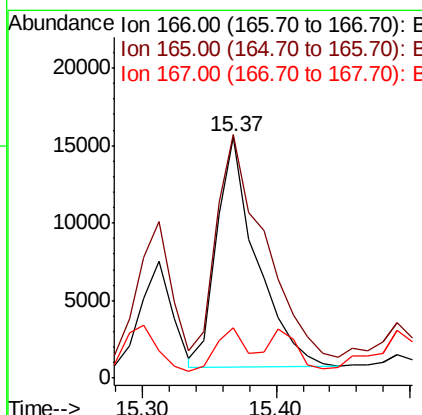
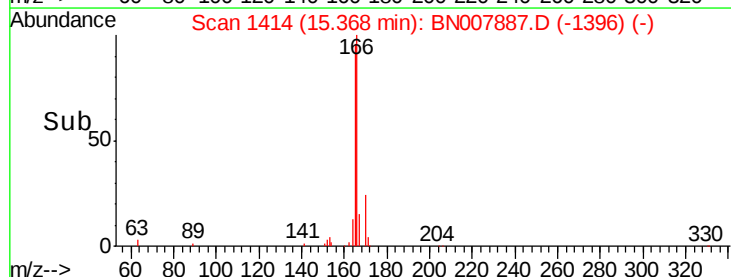
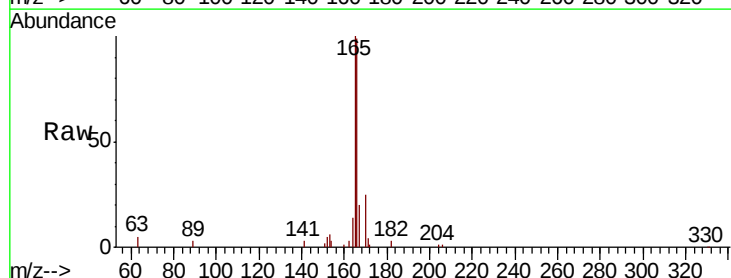
RT: 15.37 min Scan# 1414

Delta R.T. -0.00 min

Lab File: BN007887.D

Acq: 27 Sep 2019 14:42

Tgt Ion:	166	Resp:	30762
Ion Ratio	Lower	Upper	
166	100		
165	115.3	78.0	117.0
167	14.0	10.9	16.3





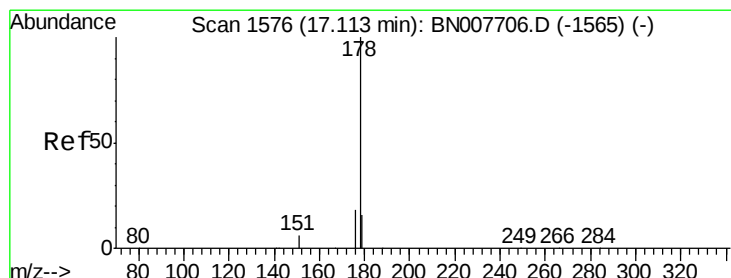
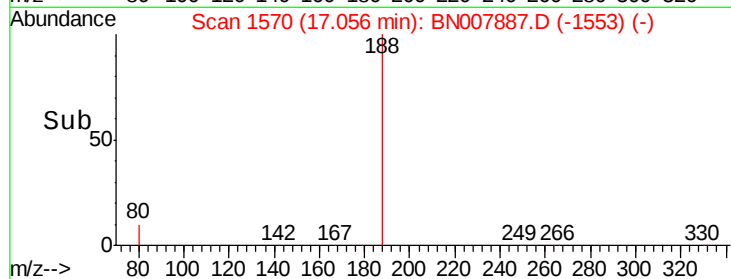
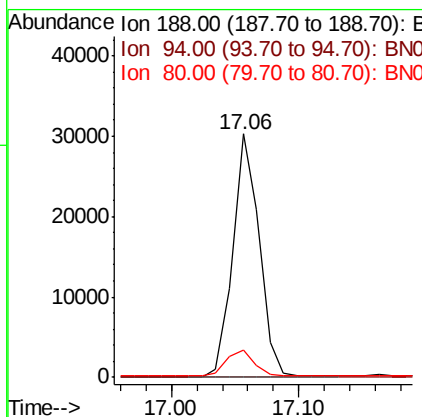
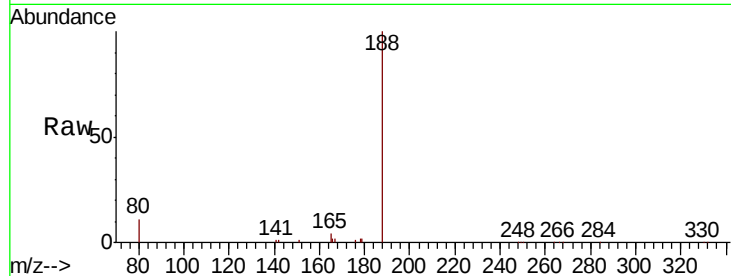
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Instrument :
BNA_N
ClientSampleId :
EXT-SW085-091819-3DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	43363		
94	0.0	0.0	0.0	0.0
80	11.2	7.4	11.2	

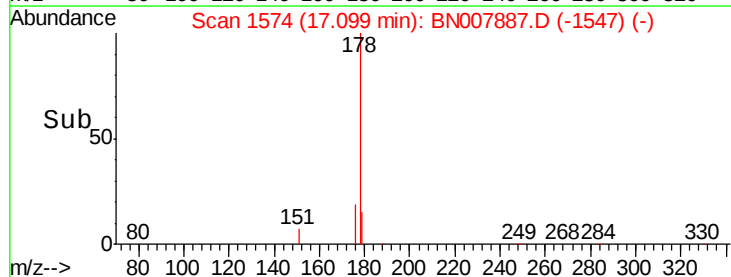
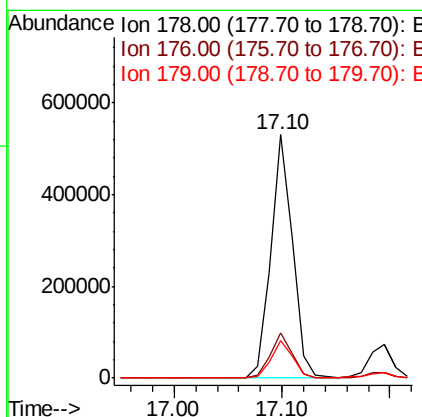
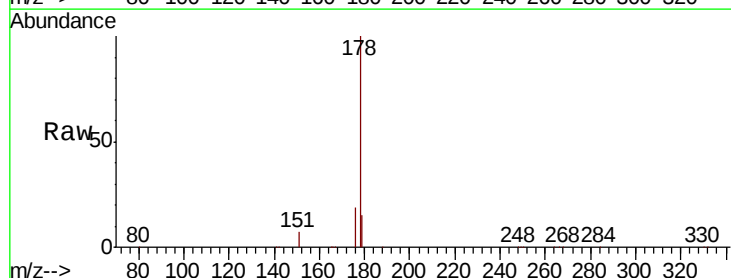
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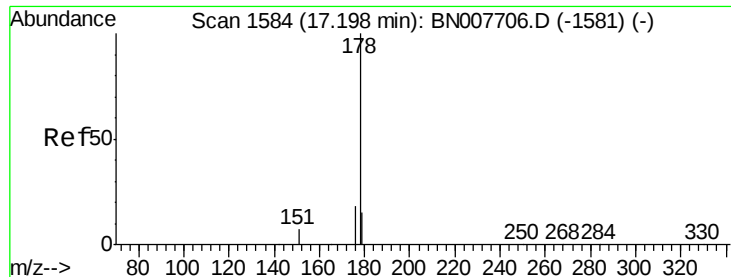
mohammad
10/7/2019 8:25:17 AM



#23
Phenanthrene
Concen: 5.442 ng
RT: 17.10 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	735095		
176	18.6	14.9	22.3	
179	15.6	12.5	18.7	





#24

Anthracene

Concen: 0.853 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BN007887.D

Acq: 27 Sep 2019 14:42

Instrument :

BNA_N

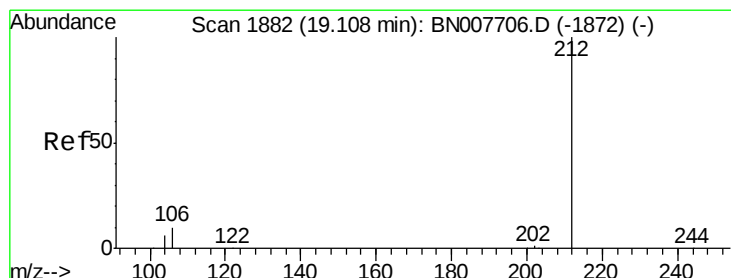
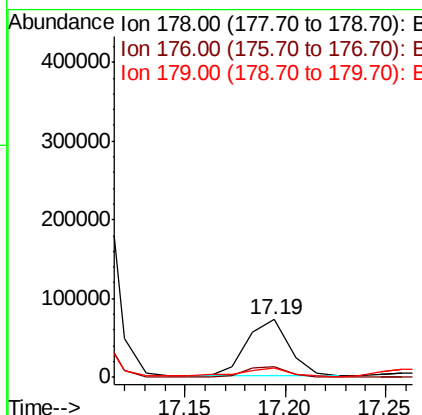
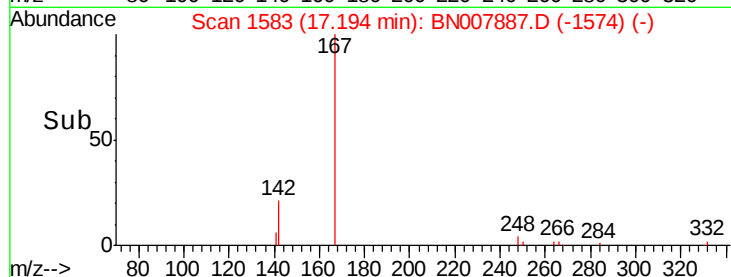
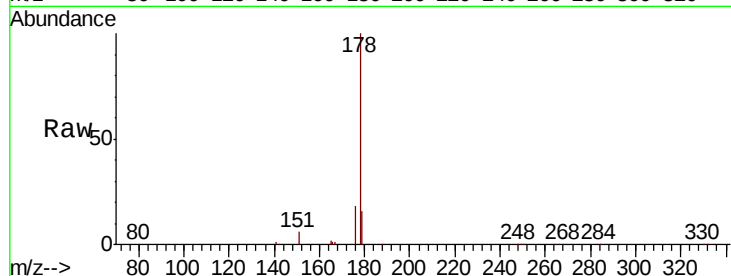
ClientSampleId :

EXT-SW085-091819-3DL

Tot Ion:	178	Resp:	104118
Ion Ratio	Lower	Upper	
178	100		
176	18.1	14.6	21.8
179	16.7	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.048 ng m

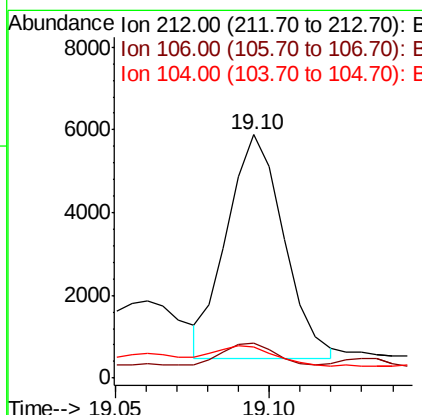
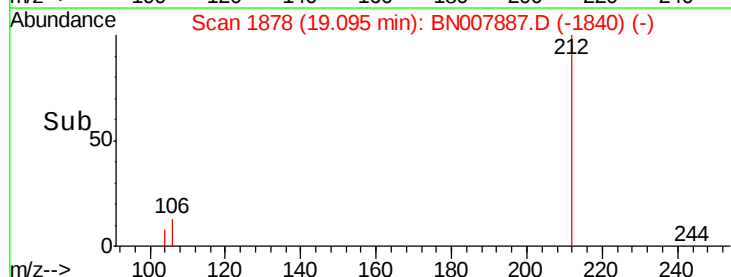
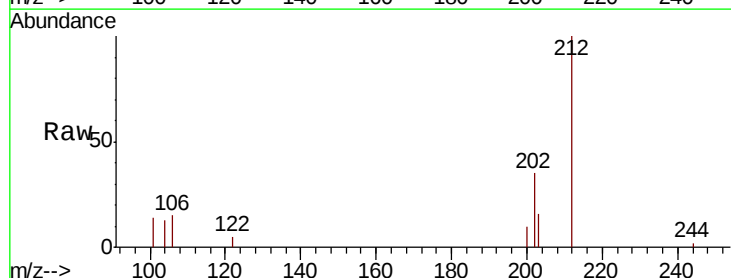
RT: 19.10 min Scan# 1878

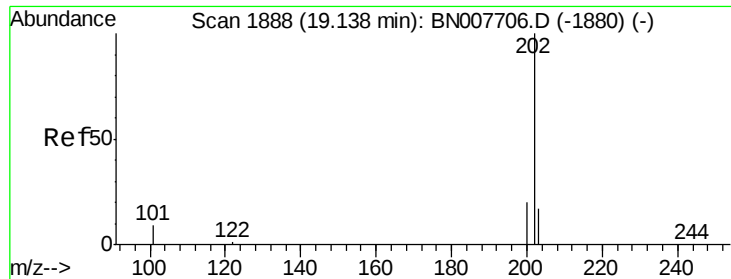
Delta R.T. -0.01 min

Lab File: BN007887.D

Acq: 27 Sep 2019 14:42

Tgt Ion:	212	Resp:	6955
Ion Ratio	Lower	Upper	
212	100		
106	3.5	9.4	14.0#
104	2.0	5.3	7.9#





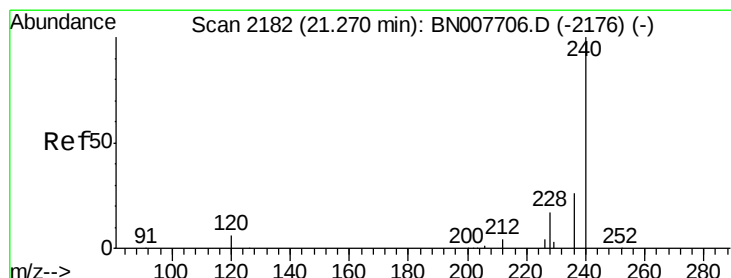
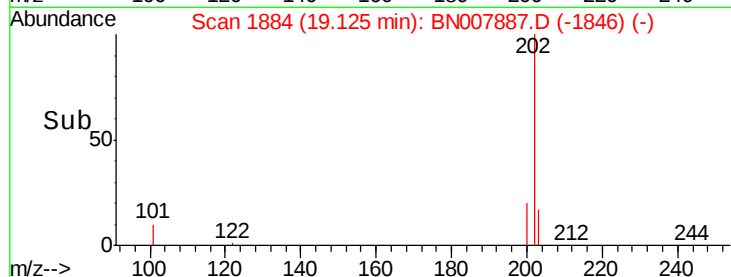
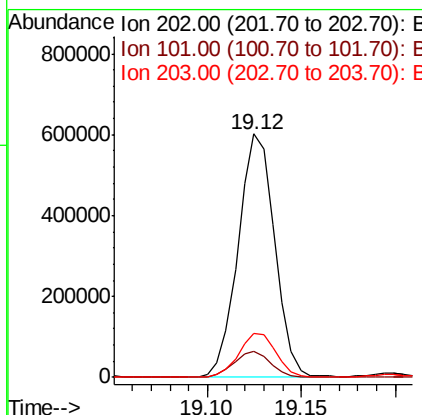
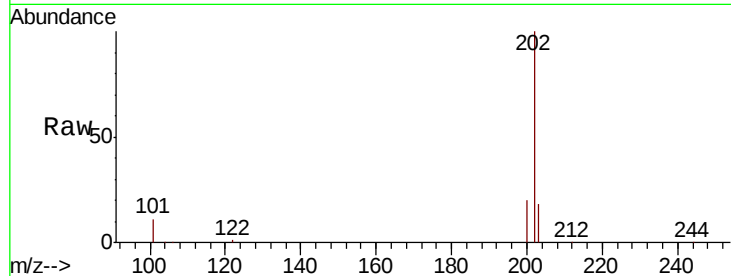
#26
Fluoranthene
 Concen: 4.808 ng
 RT: 19.12 min Scan# 1884
 Delta R.T. -0.01 min
 Lab File: BN007887.D
 Acq: 27 Sep 2019 14:42

Instrument :
 BNA_N
 ClientSampleId :
 EXT-SW085-091819-3DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	807574		
101	10.5		8.4	12.6
203	18.2		13.8	20.8

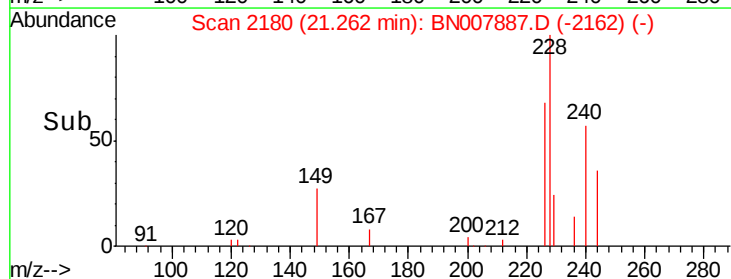
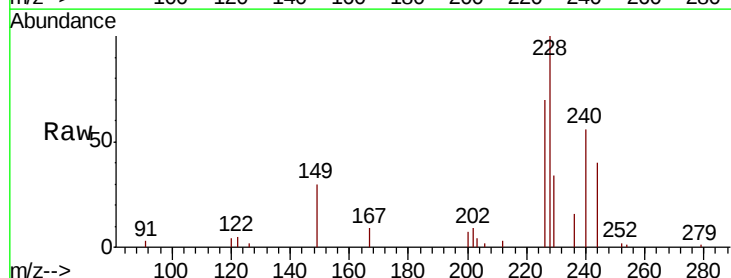
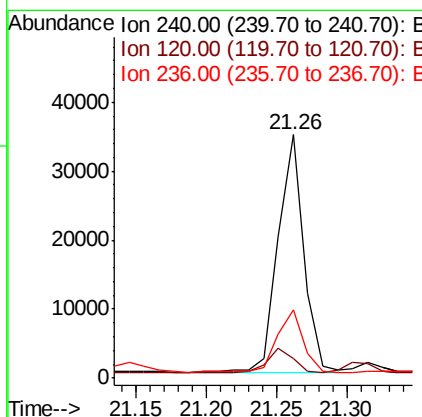
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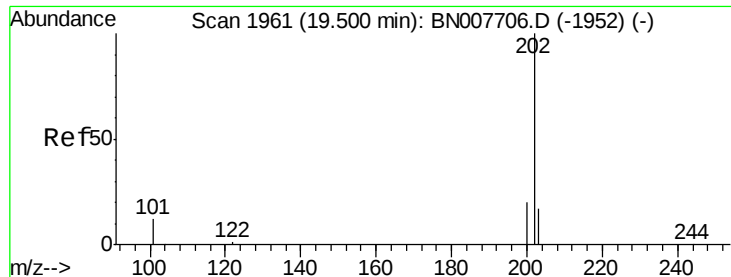
mohammad
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.26 min Scan# 2180
 Delta R.T. -0.01 min
 Lab File: BN007887.D
 Acq: 27 Sep 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	44842		
120	7.9		5.4	8.2
236	28.0		21.0	31.4





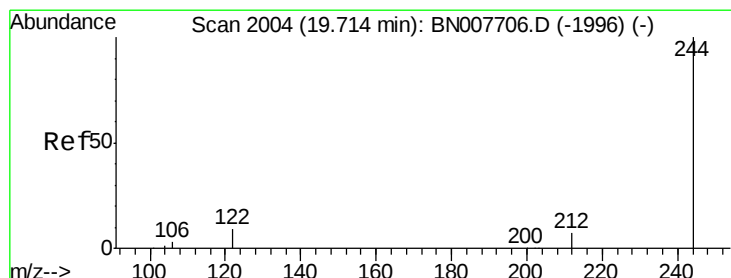
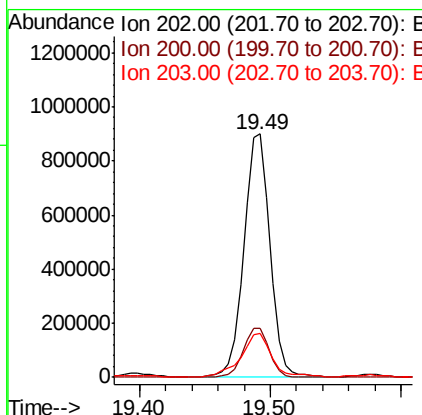
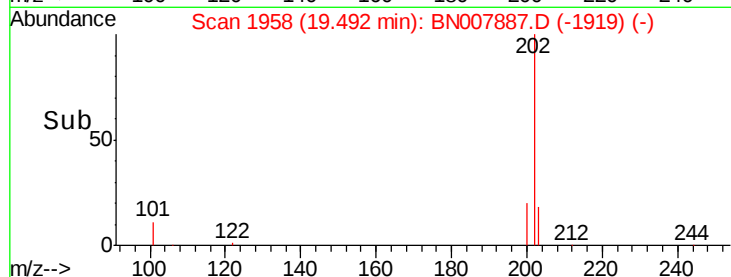
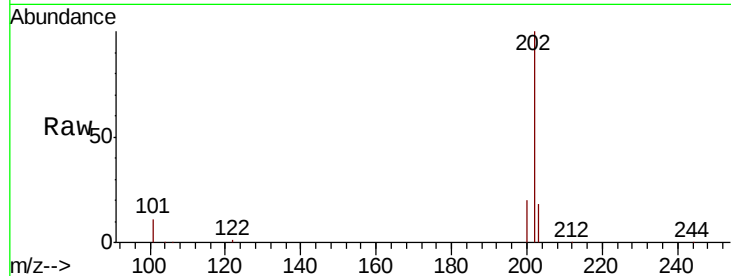
#28
Pvrene
Concen: 8.209 ng
RT: 19.49 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Instrument :
BNA_N
ClientSampleId :
EXT-SW085-091819-3DL

Tot Ion:202 Resp: 1255383
Ion Ratio Lower Upper
202 100
200 20.4 16.4 24.6
203 20.9 14.1 21.1

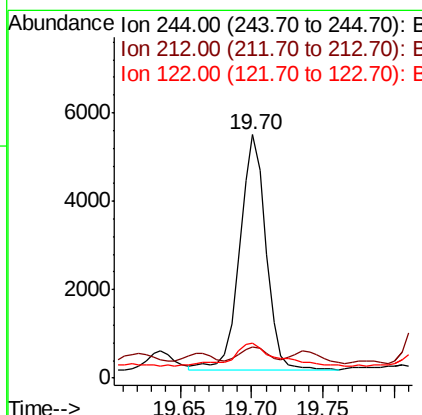
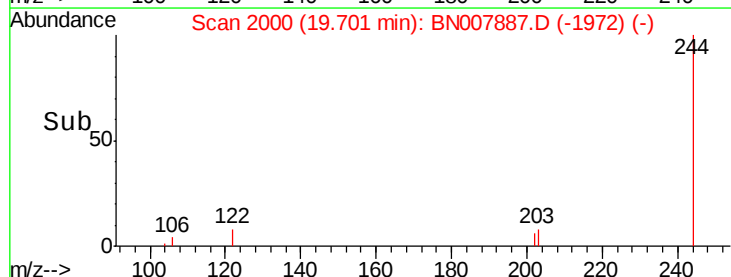
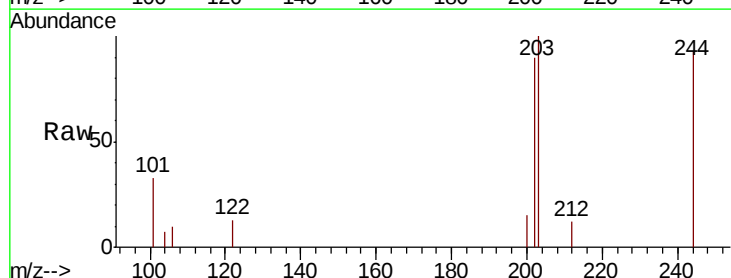
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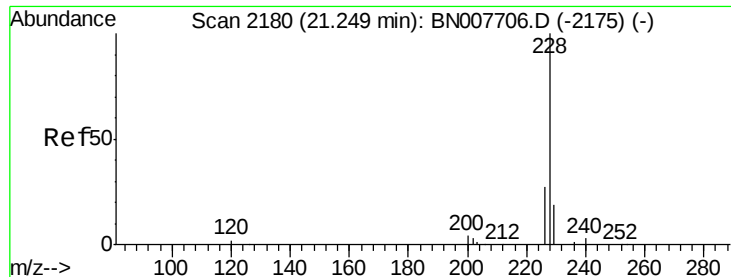
mohammad
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#29
Terphenyl-d14
Concen: 0.061 ng
RT: 19.70 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Tgt Ion:244 Resp: 6742
Ion Ratio Lower Upper
244 100
212 12.8 5.9 8.9#
122 14.5 7.4 11.2#





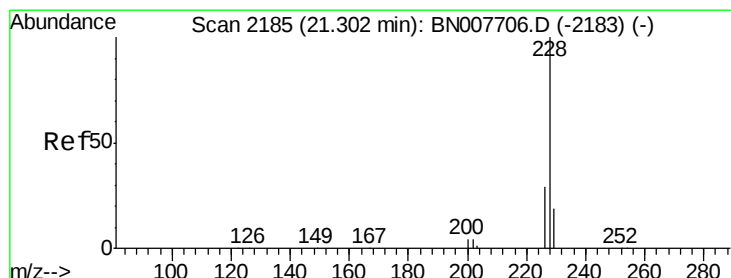
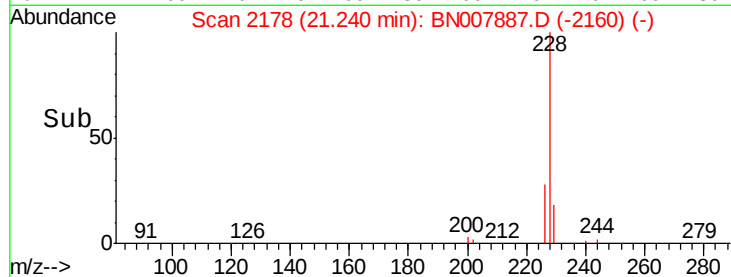
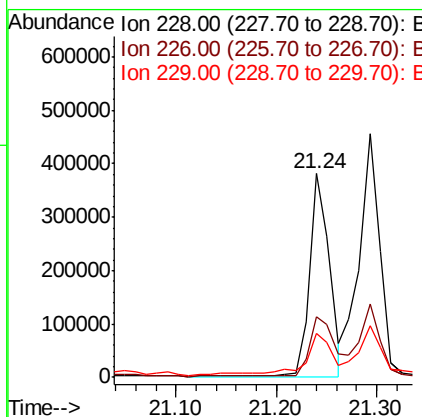
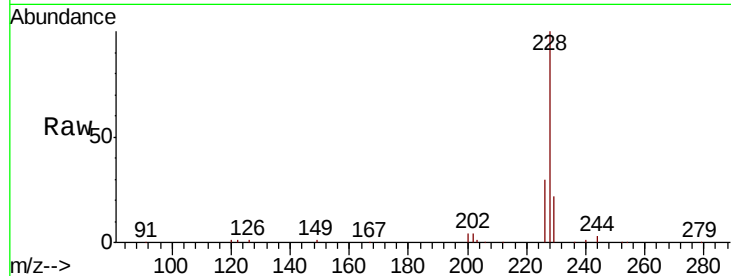
#30
Benzo(a)anthracene
Concen: 3.187 ng
RT: 21.24 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Instrument :
BNA_N
ClientSampleId :
EXT-SW085-091819-3DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.1	33.1
229	21.8	15.8	23.6

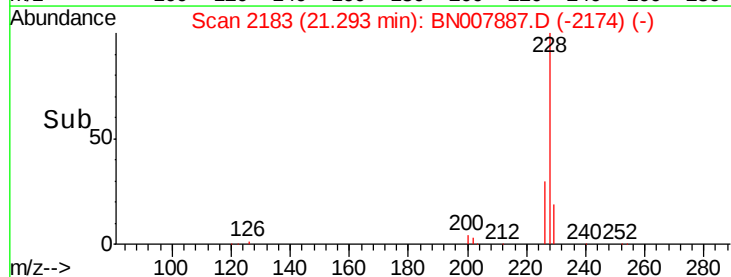
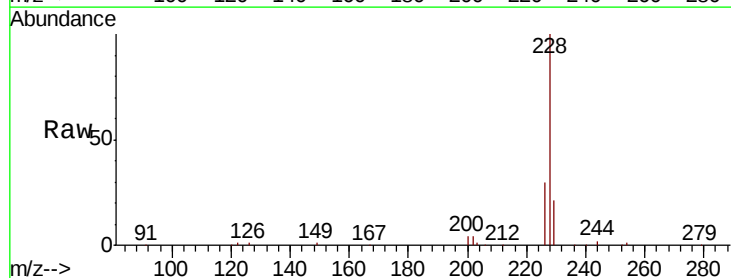
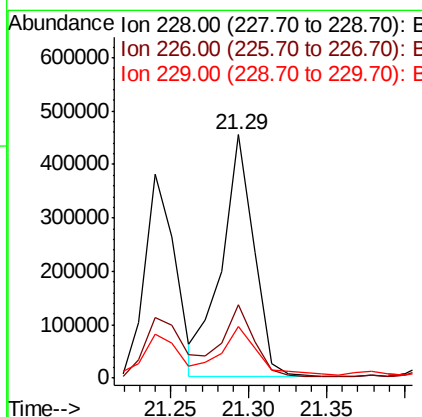
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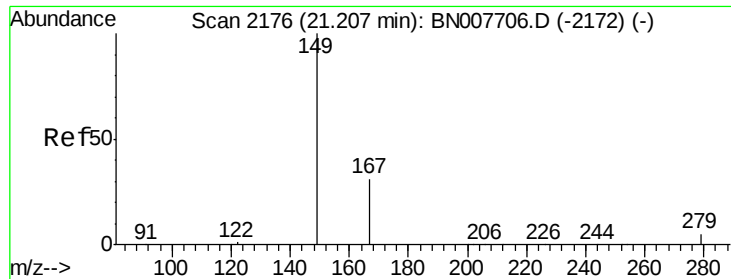
mohammad
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#31
Chrysene
Concen: 4.025 ng
RT: 21.29 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	21.4	15.8	23.6





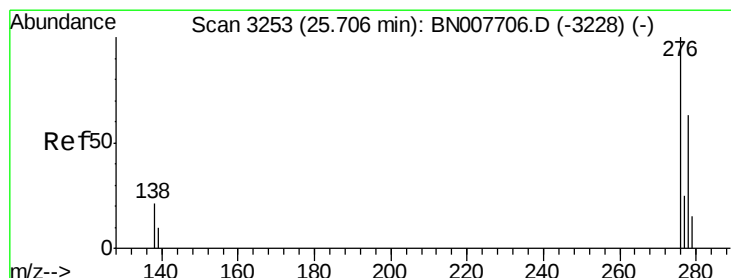
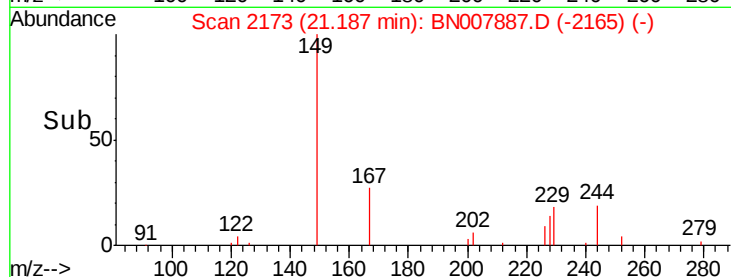
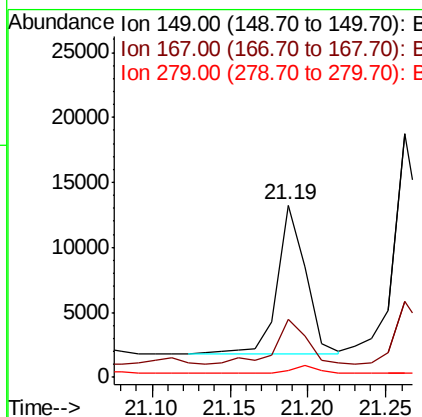
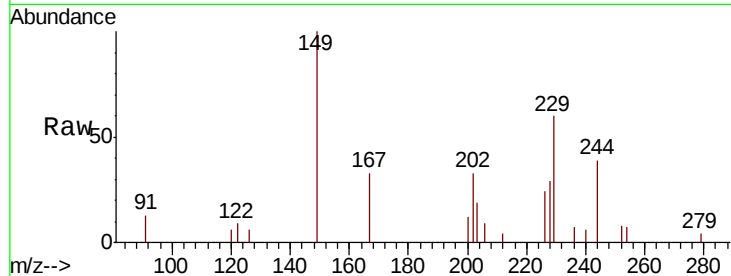
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.171 ng
 RT: 21.19 min Scan# 2173
 Delta R.T. -0.02 min
 Lab File: BN007887.D
 Acq: 27 Sep 2019 14:42

Instrument :
 BNA_N
 ClientSampleId :
 EXT-SW085-091819-3DL

Tot Ion	Ratio	Lower	Upper
149	100		
167	35.2	23.7	35.5
279	5.3	4.2	6.2

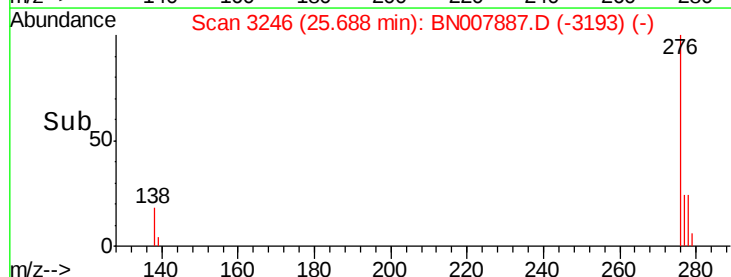
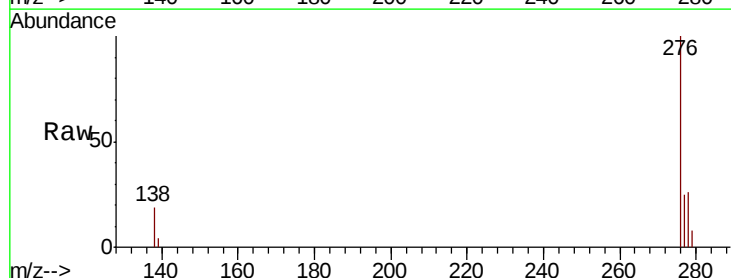
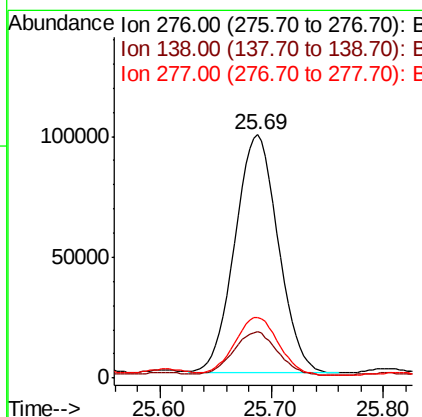
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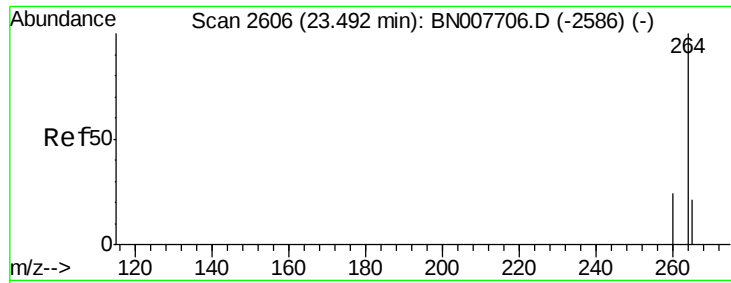
mohammad
 10/7/2019 8:25:17 AM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.317 ng
 RT: 25.69 min Scan# 3246
 Delta R.T. -0.02 min
 Lab File: BN007887.D
 Acq: 27 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.6	17.1	25.7
277	24.9	20.0	30.0





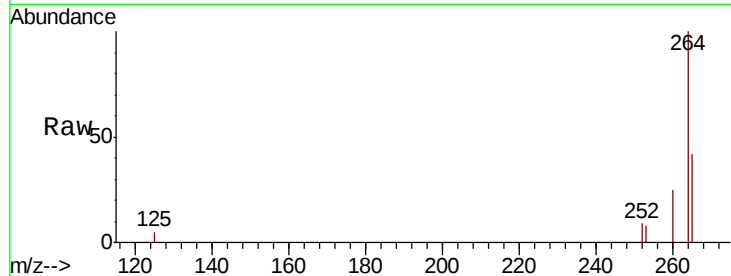
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.48 min Scan# 2601
Delta R.T. -0.01 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Instrument :
BNA_N
ClientSampleId :
EXT-SW085-091819-3DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.3	28.9
265	42.5	26.9	40.3

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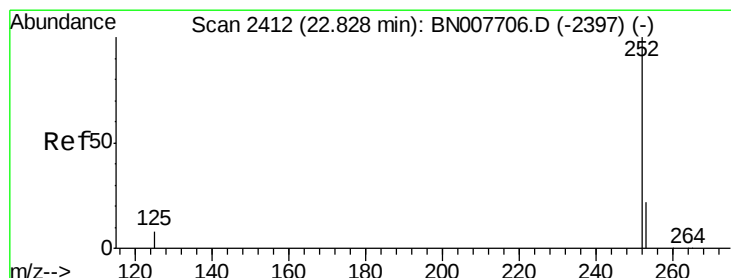
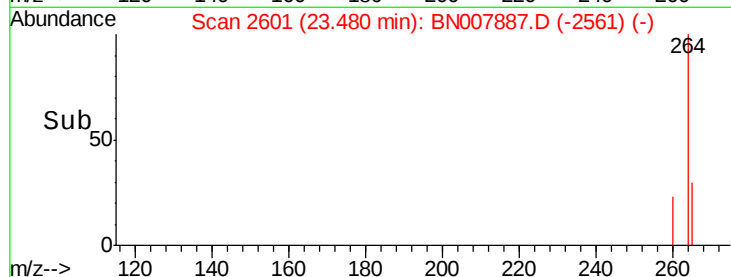
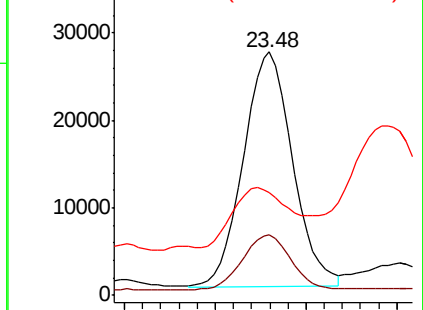


Abundance

Ion 264.00 (263.70 to 264.70): E

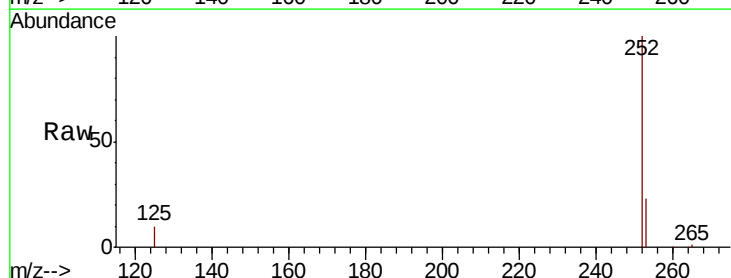
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#35
Benzo(b)fluoranthene
Concen: 3.088 ng
RT: 22.82 min Scan# 2408
Delta R.T. -0.01 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.3	27.5
125	9.6	8.2	12.4

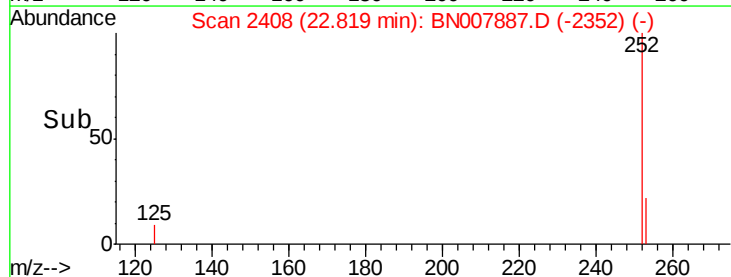
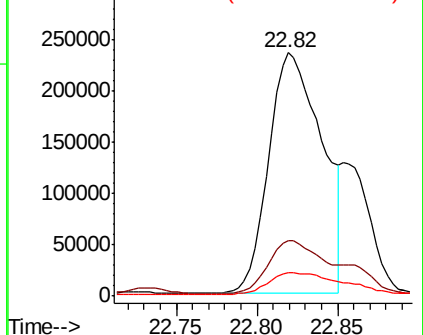


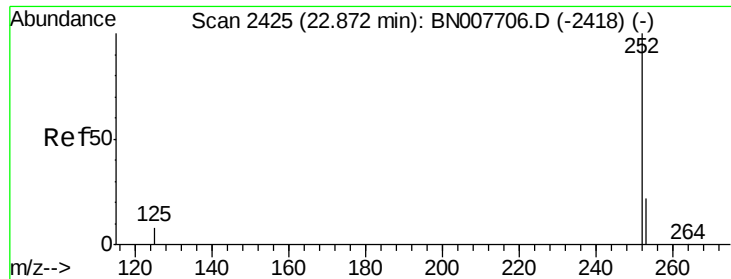
Abundance

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





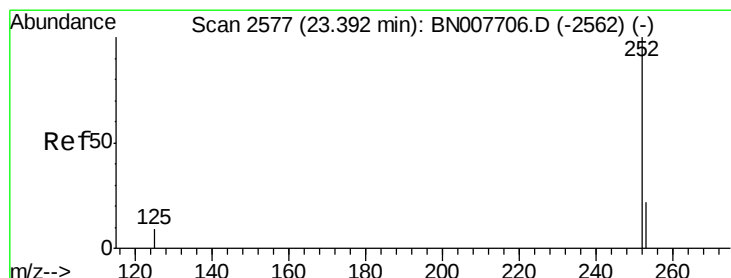
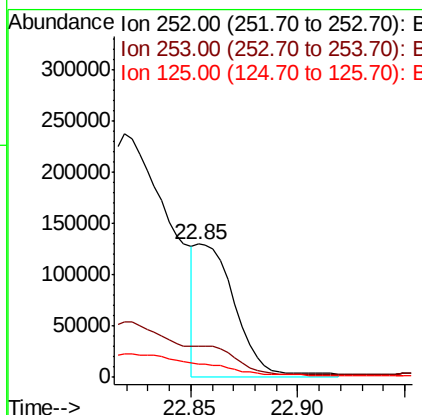
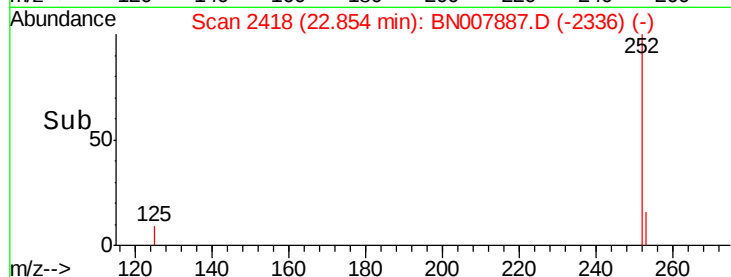
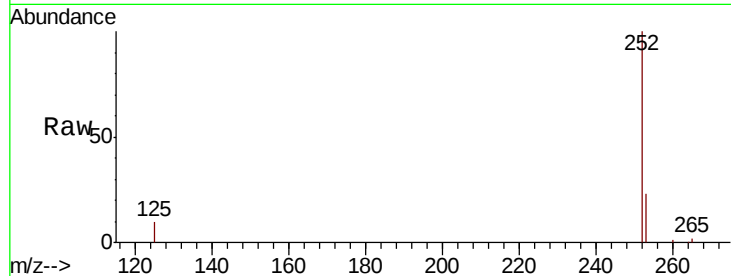
#36
Benzo(k)fluoranthene
Concen: 0.982 ng m
RT: 22.85 min Scan# 2418
Delta R.T. -0.02 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Instrument :
BNA_N
ClientSampleId :
EXT-SW085-091819-3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.5	27.7
125	10.3	8.4	12.6

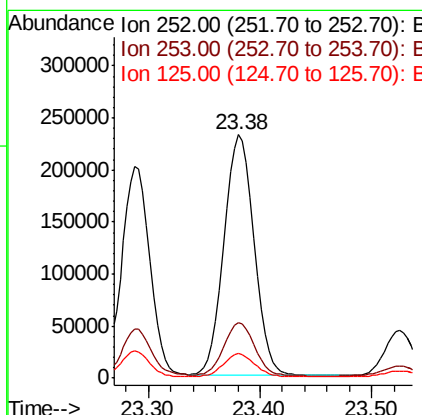
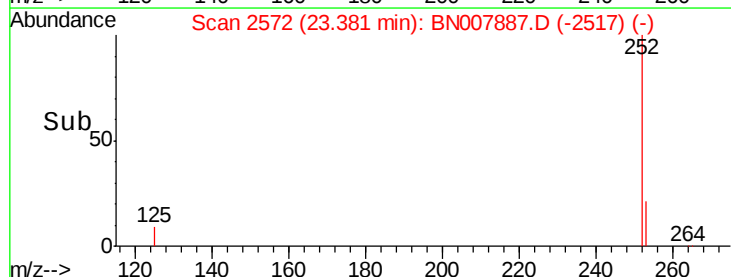
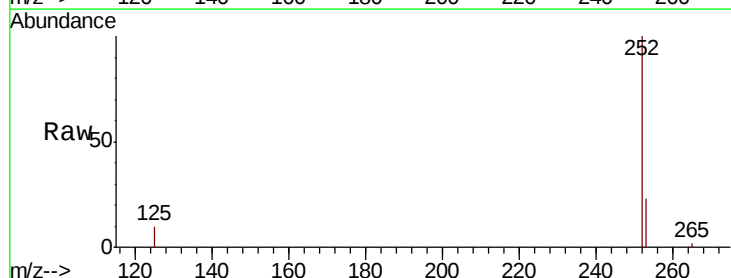
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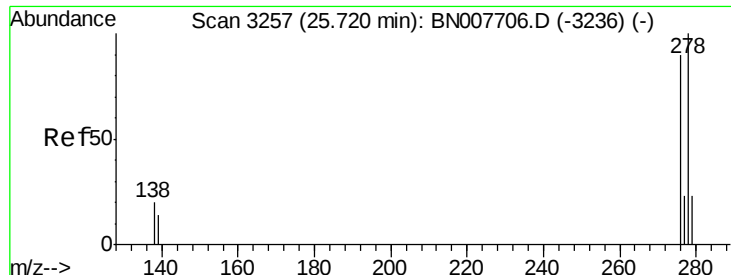
mohammad
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#37
Benzo(a)pyrene
Concen: 2.643 ng
RT: 23.38 min Scan# 2572
Delta R.T. -0.01 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.6	27.8
125	9.9	9.4	14.0





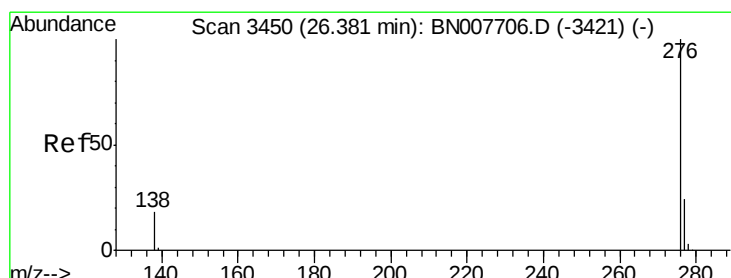
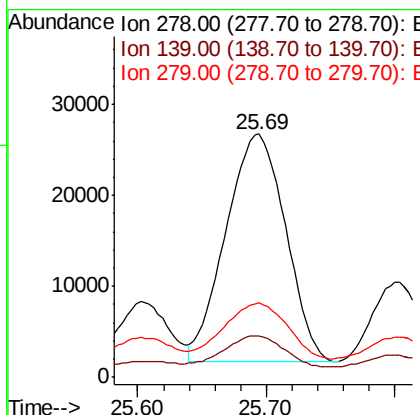
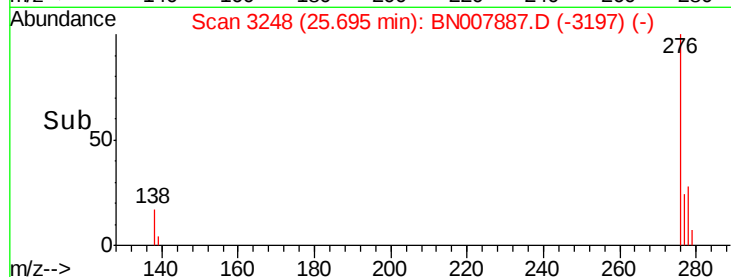
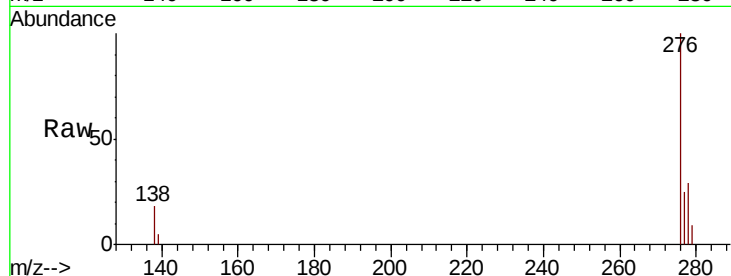
#38
Dibenzo(a,h)anthracene
Concen: 0.483 ng
RT: 25.69 min Scan# 3248
Delta R.T. -0.03 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Instrument :
BNA_N
ClientSampleId :
EXT-SW085-091819-3DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.8	11.8	17.6
279	30.6	19.4	29.2

Manual Integrations
APPROVED

mohammad
10/7/2019 8:25:17 AM



#39
Benzo(g,h,i)perylene
Concen: 1.912 ng
RT: 26.36 min Scan# 3443
Delta R.T. -0.02 min
Lab File: BN007887.D
Acq: 27 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.8	29.8
138	18.9	15.1	22.7

