

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070919\
 Data File : BN006761.D
 Acq On : 09 Jul 2019 08:41
 Operator : HP/JU
 Sample : SSTDICCO.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 Client Sampled :
 SSTDICCO.1

Manual Integrations
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Quant Time: Jul 09 12:54:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 12:25:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2476	0.40	ng	0.00
7) Naphthalene-d8	10.38	136	9425	0.40	ng	0.01
13) Acenaphthene-d10	14.24	164	5940	0.40	ng	0.00
19) Phenanthrene-d10	17.01	188	13599	0.40	ng	0.01
27) Chrysene-d12	21.24	240	13846	0.40	ng	0.00
34) Perylene-d12	23.47	264	16240	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.27	112	445	0.07	ng	0.04
5) Phenol-d6	6.90	99	627m	0.07	ng	0.09
8) Nitrobenzene-d5	8.86	82	458m	0.06	ng	0.08
11) 2-Methylnaphthalene-d10	12.00	152	1319	0.09	ng	0.02
14) 2,4,6-Tribromophenol	15.79	330	215	0.07	ng	0.02
15) 2-Fluorobiphenyl	12.88	172	1968	0.08	ng	0.02
25) Fluoranthene-d10	19.06	212	4006	0.10	ng	0.00
29) Terphenyl-d14	19.67	244	2970	0.09	ng	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.11	88	527	0.136	ng	# 90
6) bis(2-Chloroethyl)ether	7.09	93	1103	0.153	ng	# 56
9) Naphthalene	10.43	128	2535	0.098	ng	# 84
10) Hexachlorobutadiene	10.68	225	604	0.116	ng	# 99
12) 2-Methylnaphthalene	12.07	142	1500	0.078	ng	# 92
16) Acenaphthylene	13.96	152	2522	0.085	ng	99
17) Acenaphthene	14.31	154	1805	0.096	ng	99
18) Fluorene	15.31	166	2125	0.091	ng	99
20) 4-Bromophenyl-phenylether	16.21	248	667	0.083	ng	94
21) Hexachlorobenzene	16.32	284	997	0.105	ng	97
23) Phenanthrene	17.06	178	3452	0.088	ng	99
24) Anthracene	17.16	178	2751	0.078	ng	98
26) Fluoranthene	19.09	202	4549	0.099	ng	99
28) Pyrene	19.46	202	4789	0.086	ng	99
30) Benzo(a)anthracene	21.23	228	4129	0.086	ng	96
31) Chrysene	21.28	228	4531	0.092	ng	97
32) Bis(2-ethylhexyl)phthalate	21.14	149	2270	0.016	ng	96
33) Indeno(1,2,3-cd)pyrene	25.71	276	5688	0.097	ng	99
35) Benzo(b)fluoranthene	22.81	252	4593	0.088	ng	# 82
36) Benzo(k)fluoranthene	22.85	252	5414	0.096	ng	# 81
37) Benzo(a)pyrene	23.38	252	4512	0.089	ng	# 75
38) Dibenzo(a,h)anthracene	25.71	278	4545	0.091	ng	# 87
39) Benzo(g,h,i)perylene	26.39	276	4979	0.096	ng	# 91

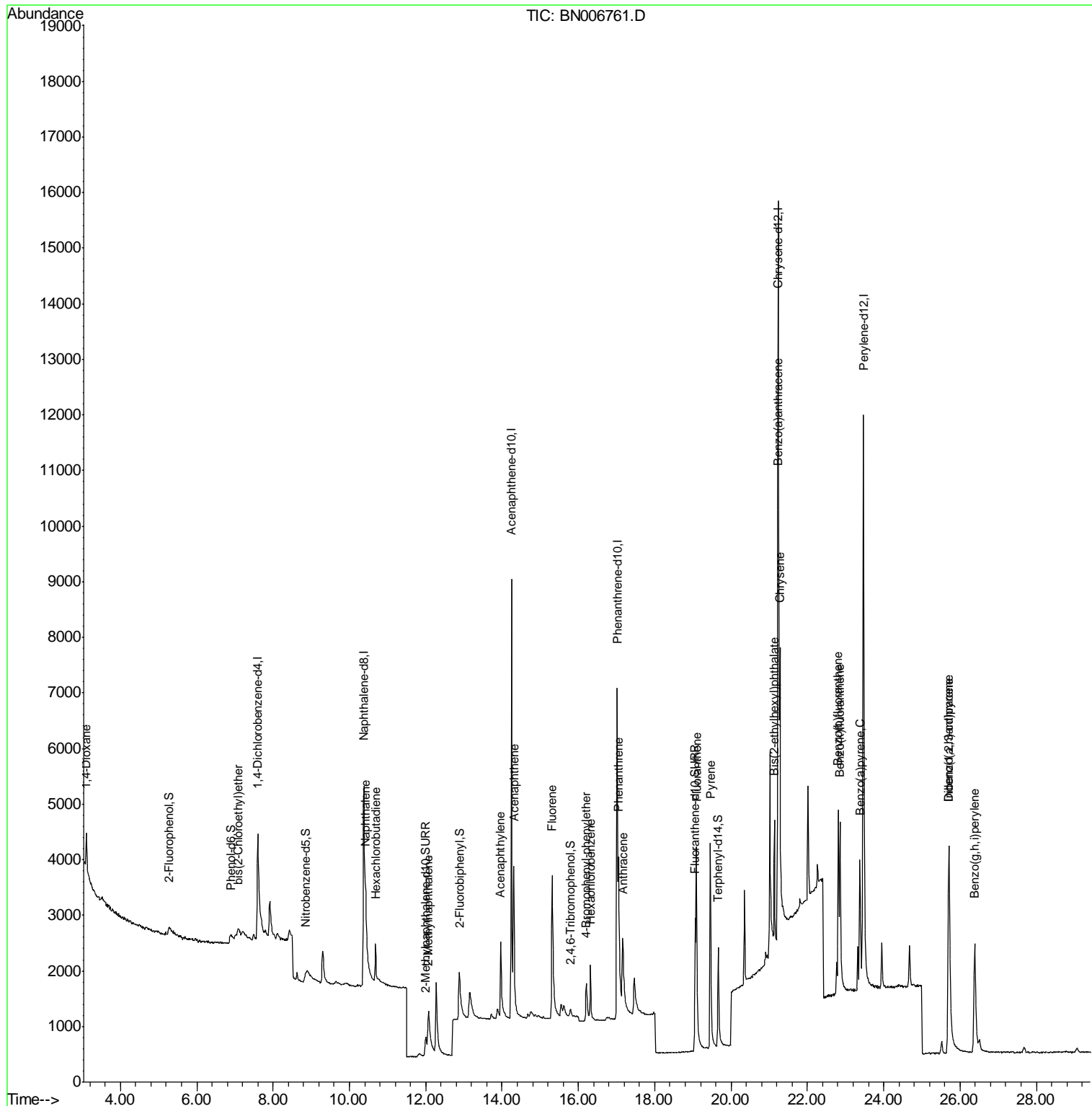
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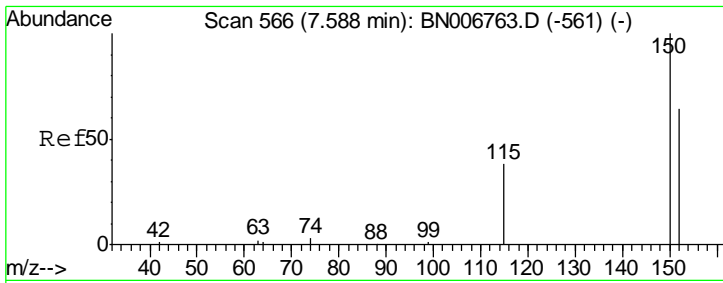
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070919\
 Data File : BN006761.D
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 Sample : SSTDIC0.1
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Instrument :
 BNA_N
 Client Sampled :
 SSTDIC0.1

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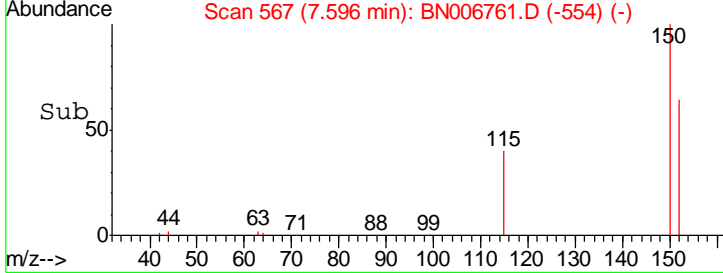
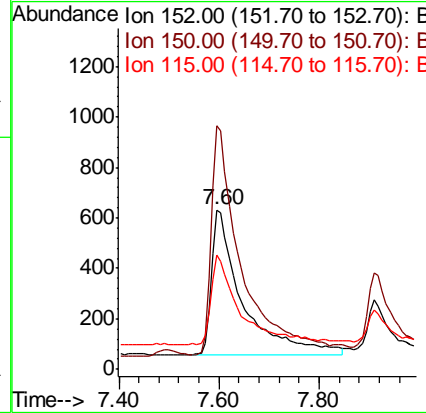
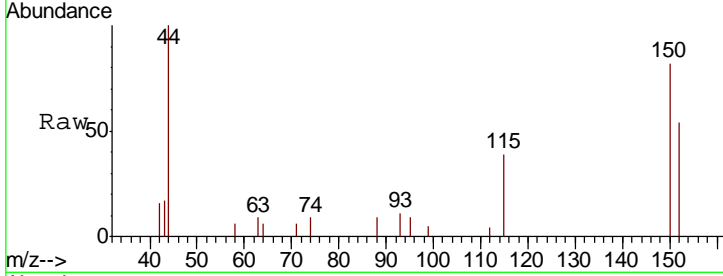
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 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.60 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Instrument :
 BNA_N
ClientSampled :
 SSTDICC0.1

Tgt Ion	Resp	Lower	Upper
152	100		
150	152.9	123.6	185.4
115	71.9	52.5	78.7

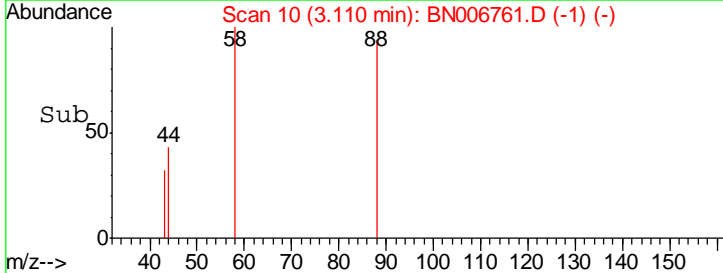
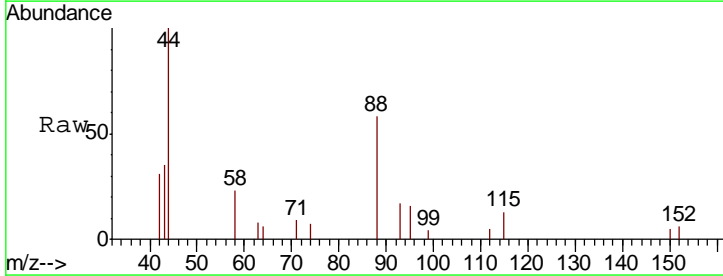
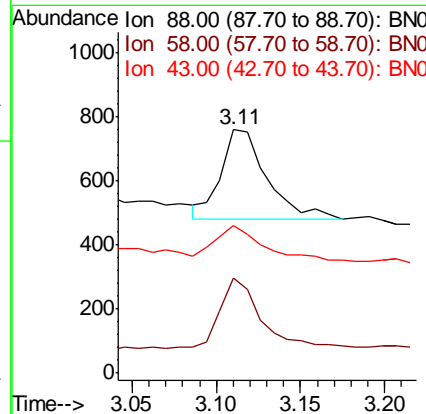
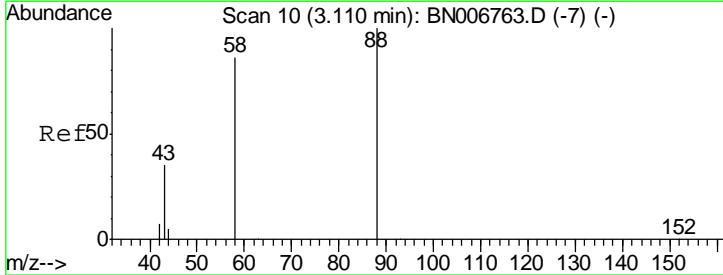
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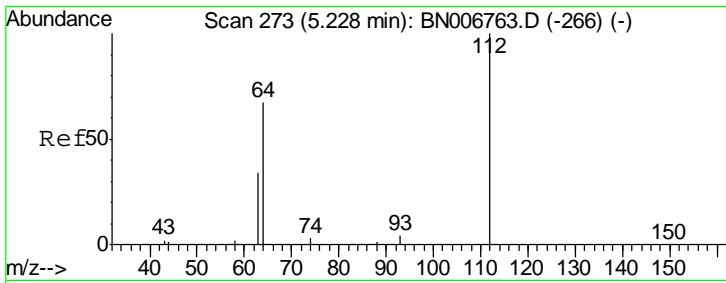
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#2
 1,4-Dioxane
 Concen: 0.136 ng
 RT: 3.11 min Scan# 10
 Delta R.T. -0.00 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Tgt Ion	Resp	Lower	Upper
88	100		
58	70.2	61.8	92.6
43	43.1	27.9	41.9#



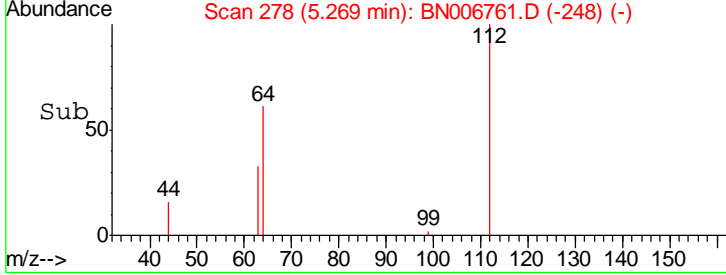
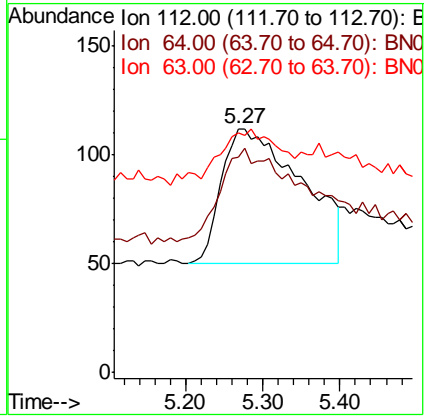
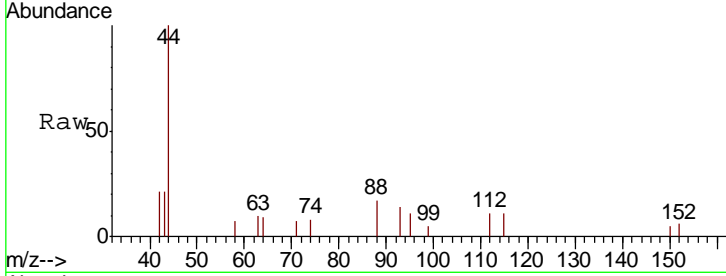


#4
 2-Fluorophenol
 Concen: 0.066 ng
 RT: 5.27 min Scan# 278
 Delta R.T. 0.04 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Instrument :
 BNA_N
ClientSampled :
 SSTDICC0.1

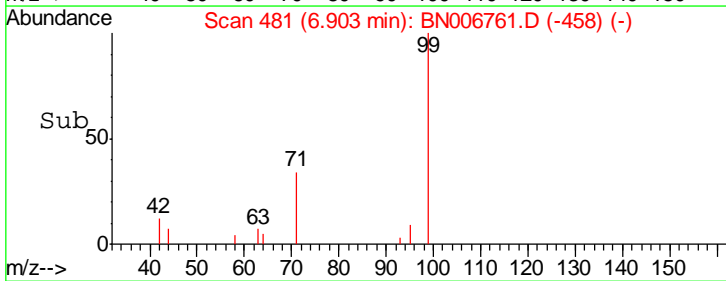
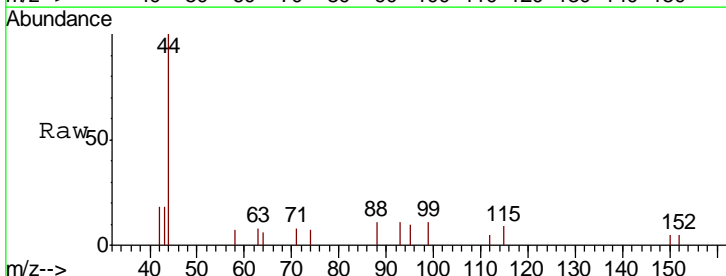
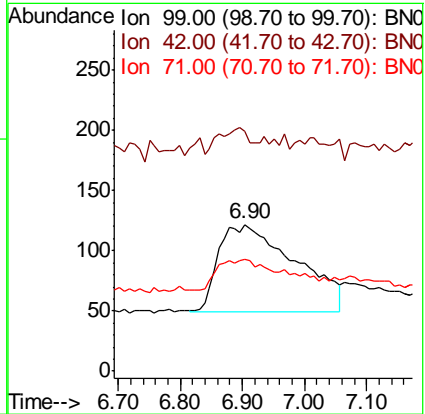
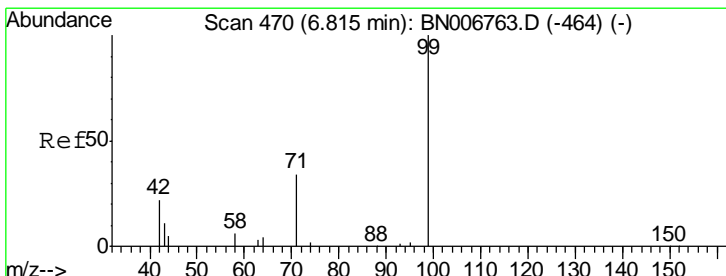
Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.0	52.7	79.1
63	31.9	27.7	41.5

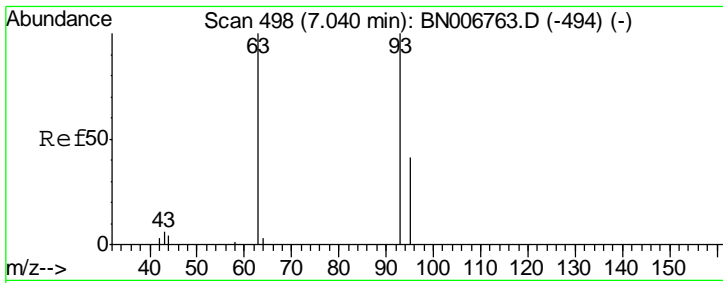
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#5
 Phenol-d6
 Concen: 0.074 ng m
 RT: 6.90 min Scan# 481
 Delta R.T. 0.09 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Tgt Ion	Ratio	Lower	Upper
99	100		
42	0.0	17.0	25.6#
71	0.0	29.1	43.7#





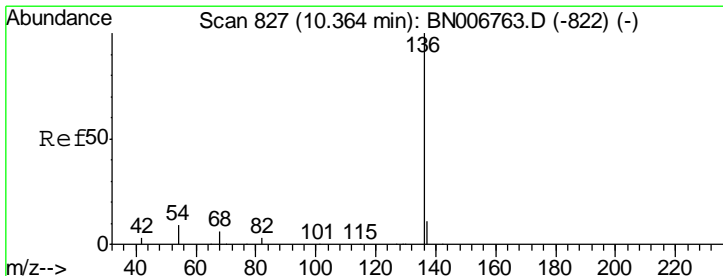
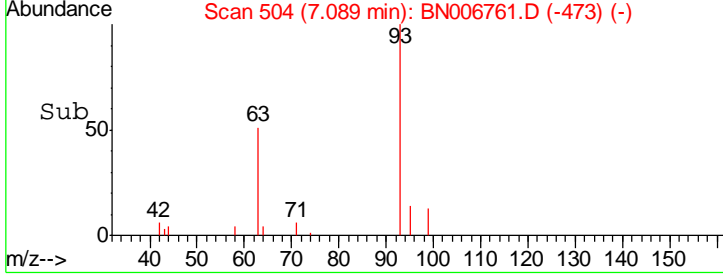
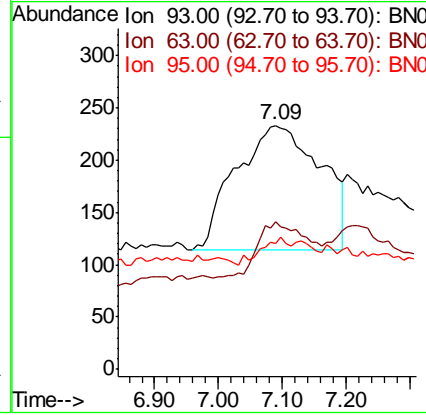
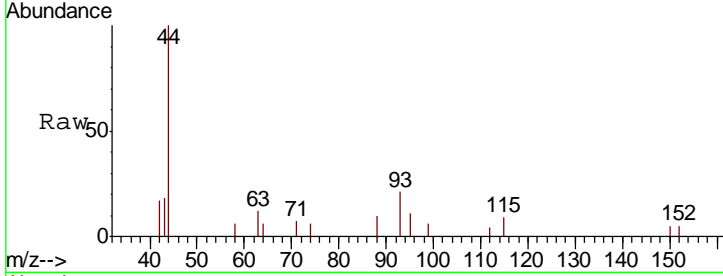
#6
 bis(2-Chloroethyl)ether
 Concen: 0.153 ng
 RT: 7.09 min Scan# 504
 Delta R.T. 0.05 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Instrument :
 BNA_N
ClientSampled :
 SSTDICC0.1

Tgt Ion	Resp	Lower	Upper
93	1103		
63	26.0	48.6	73.0#
95	7.0	22.9	34.3#

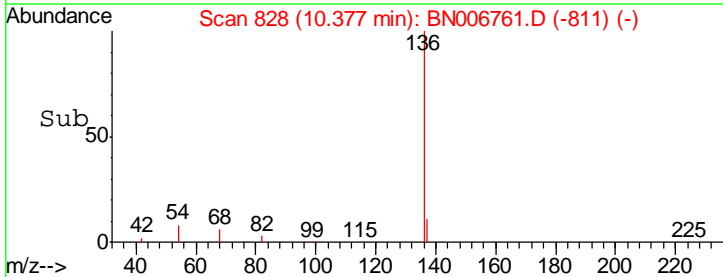
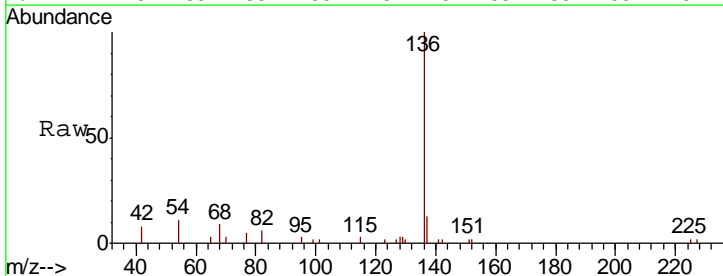
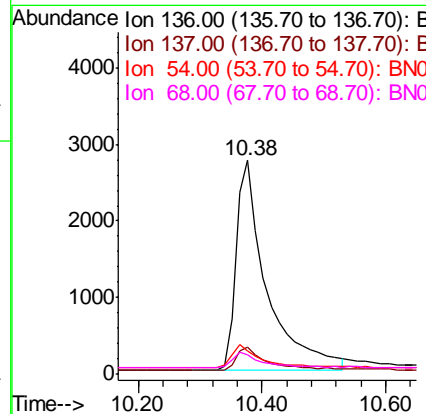
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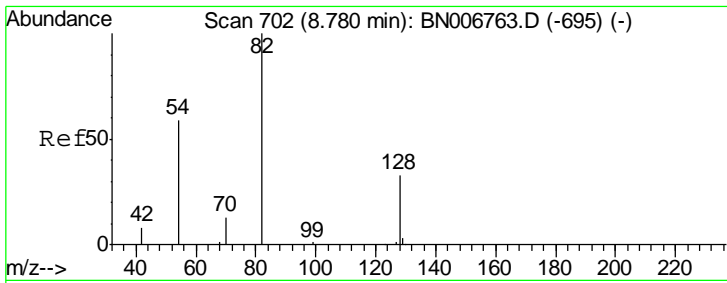
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#7
 Naphthalene-d8
 Concen: 0.400 ng
 RT: 10.38 min Scan# 828
 Delta R.T. 0.01 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Tgt Ion	Resp	Lower	Upper
136	9425		
137	12.6	9.5	14.3
54	11.0	8.4	12.6
68	8.8	6.4	9.6





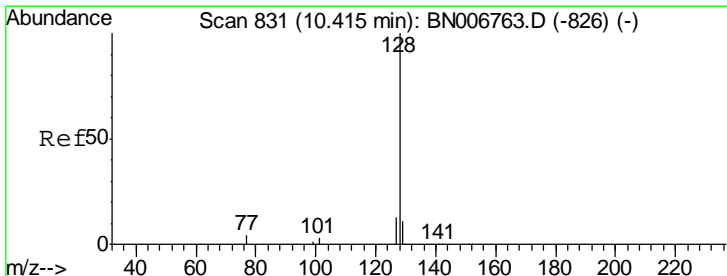
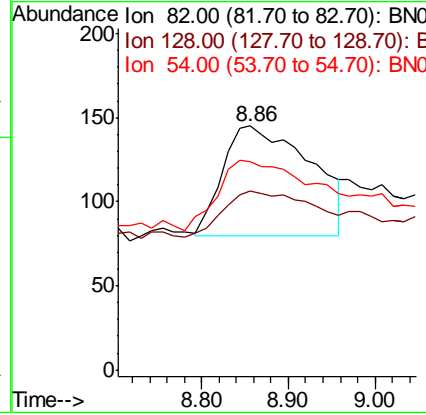
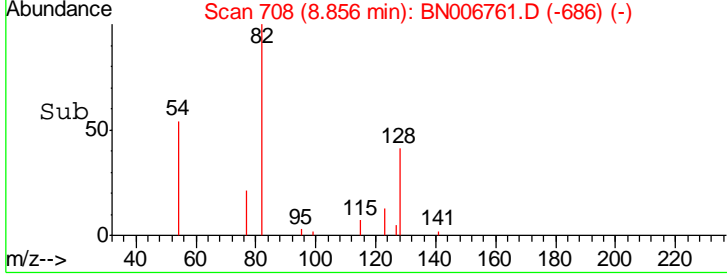
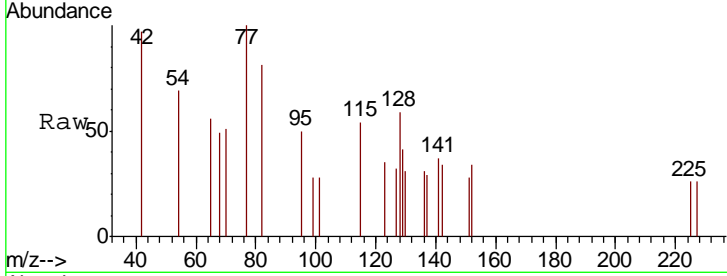
#8
 Nitrobenzene-d5
 Concen: 0.063 ng m
 RT: 8.86 min Scan# 708
 Delta R.T. 0.08 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Instrument :
 BNA_N
ClientSampled :
 SSTDICC0.1

Tgt Ion	Resp	Lower	Upper
82	100		
128	73.1	33.0	49.6#
54	85.5	52.2	78.2#

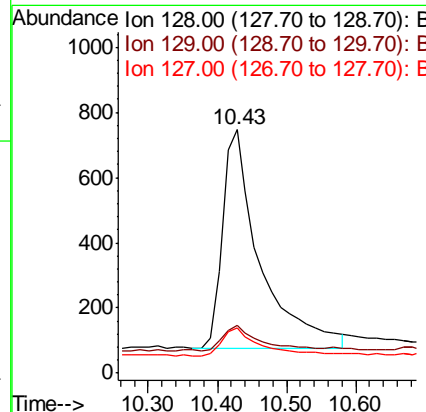
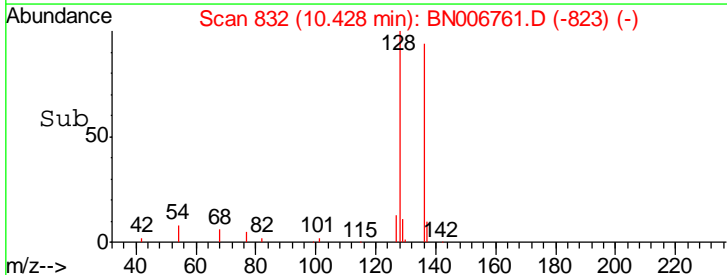
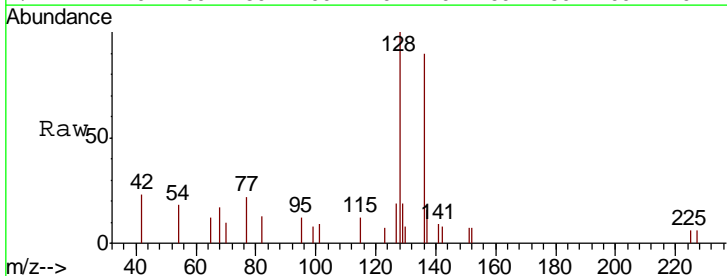
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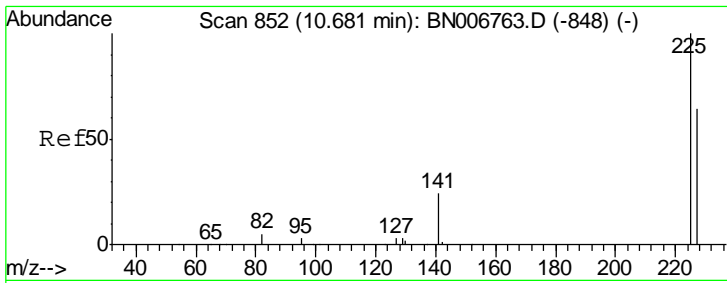
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#9
 Naphthalene
 Concen: 0.098 ng
 RT: 10.43 min Scan# 832
 Delta R.T. 0.01 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Tgt Ion	Resp	Lower	Upper
128	100		
129	19.4	9.6	14.4#
127	18.9	11.0	16.4#





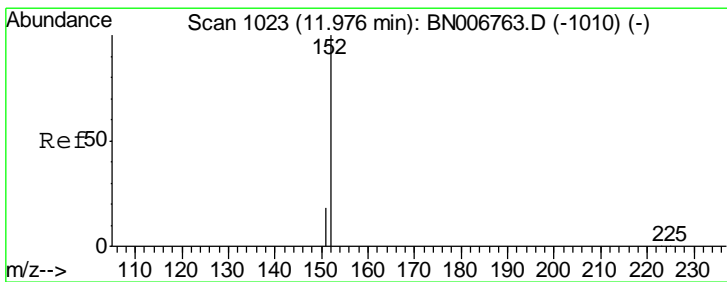
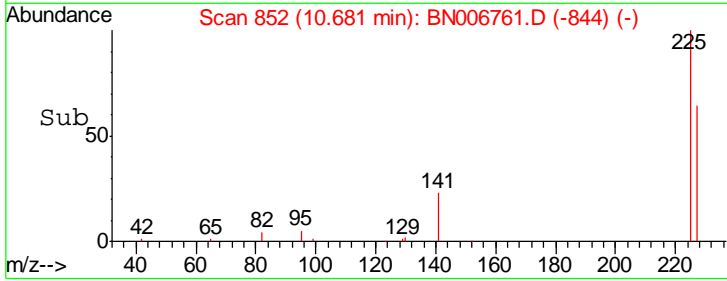
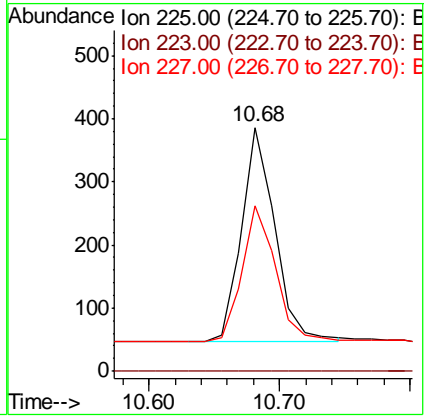
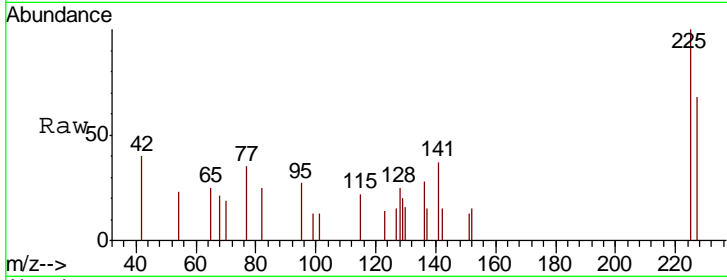
#10
 Hexachlorobutadiene
 Concen: 0.116 ng
 RT: 10.68 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Instrument :
 BNA_N
 ClientSampled :
 SSTDICC0.1

Tgt Ion	Resp	Lower	Upper
225	604		
223	0.0	0.0	0.0
227	64.2	50.8	76.2

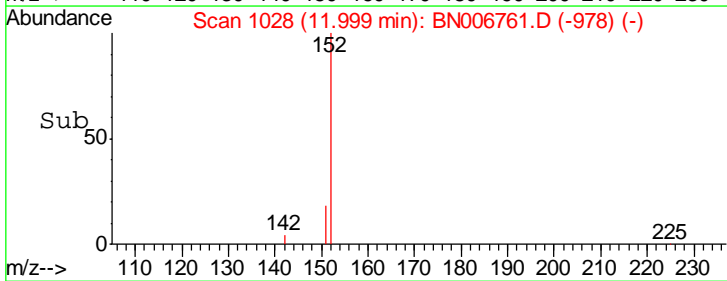
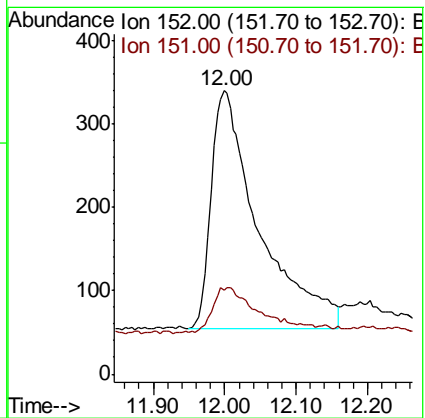
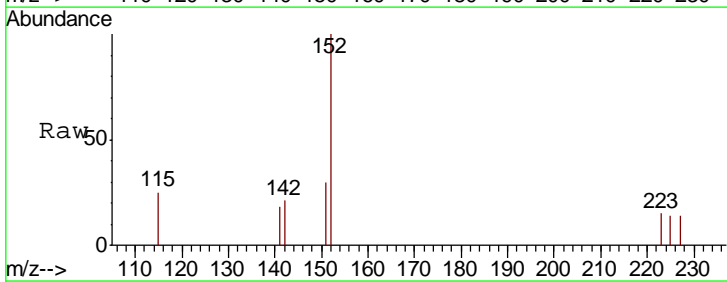
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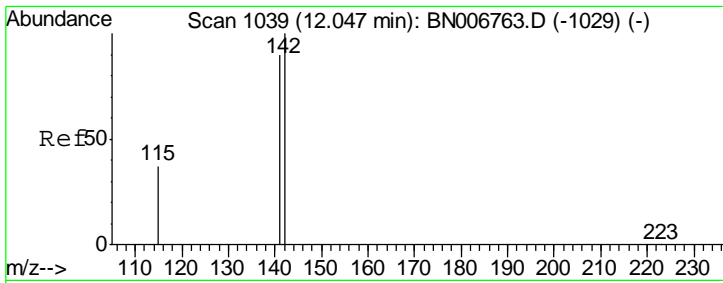
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#11
 2-Methylnaphthalene-d10
 Concen: 0.093 ng
 RT: 12.00 min Scan# 1028
 Delta R.T. 0.02 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Tgt Ion	Resp	Lower	Upper
152	1319		
151	18.6	15.1	22.7





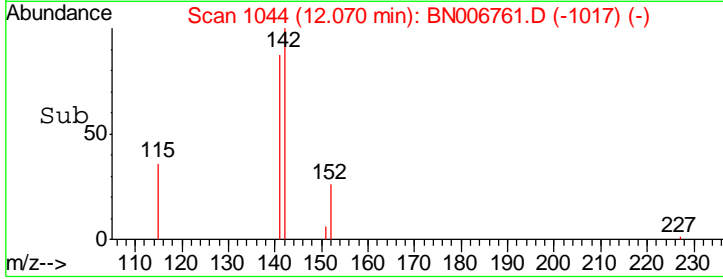
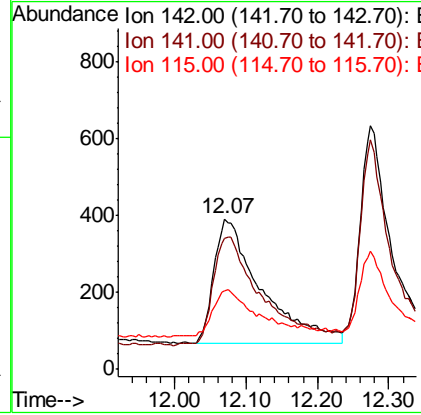
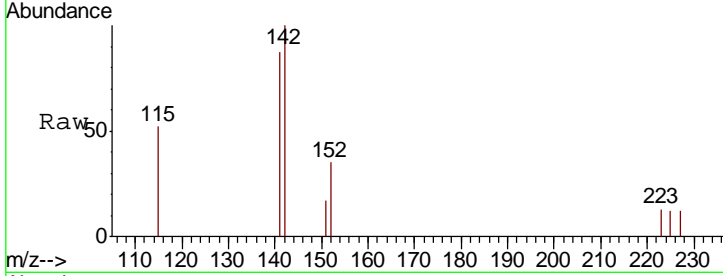
#12
 2-Methylnaphthalene
 Concen: 0.078 ng
 RT: 12.07 min Scan# 1044
 Delta R.T. 0.02 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Instrument :
 BNA_N
ClientSampled :
 SSTDICC0.1

Tgt Ion	Resp	Lower	Upper
142	1500		
141	87.2	71.7	107.5
115	52.4	31.2	46.8#

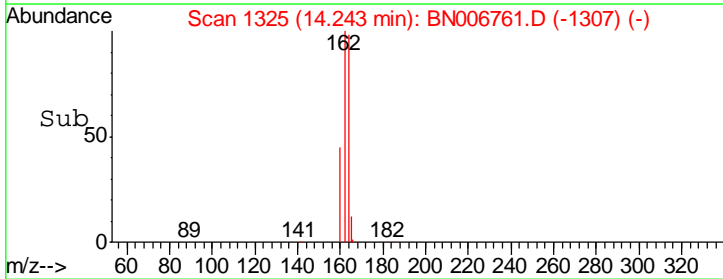
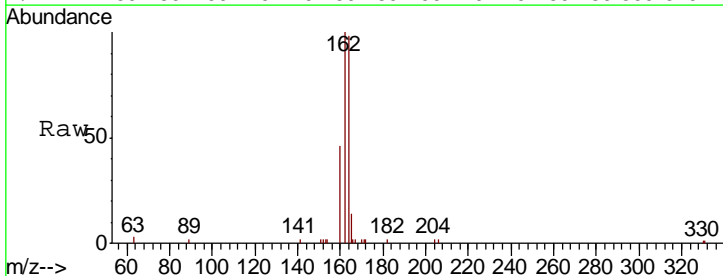
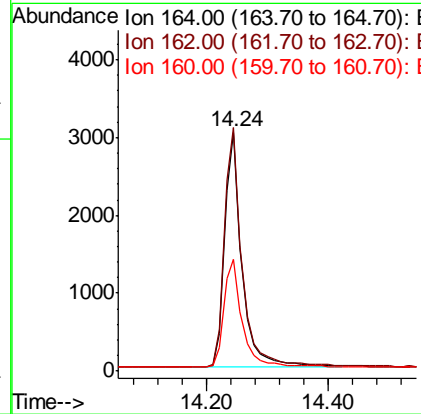
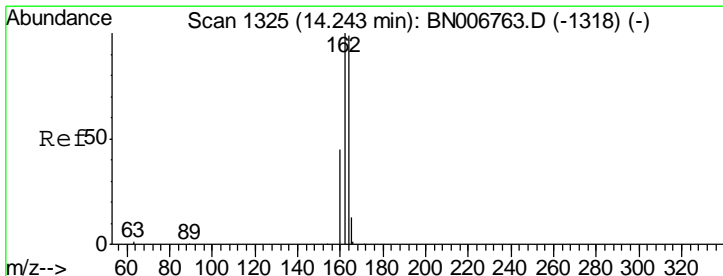
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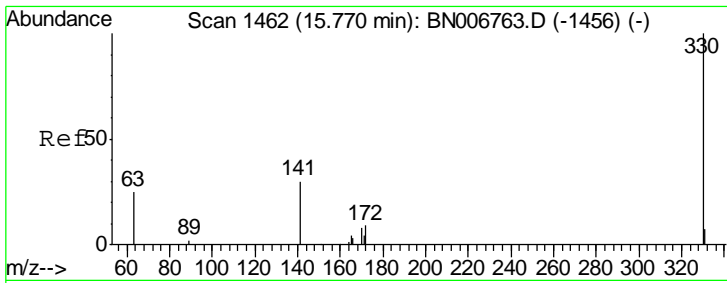
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#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.24 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

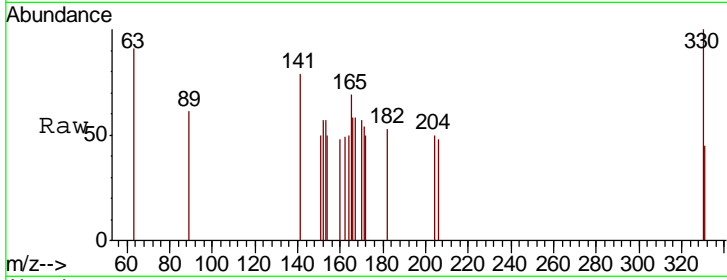
Tgt Ion	Resp	Lower	Upper
164	5940		
162	102.1	81.0	121.4
160	46.8	37.4	56.0





#14
 2,4,6-Tribromophenol
 Concen: 0.074 ng
 RT: 15.79 min Scan# 1464
 Delta R.T. 0.02 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

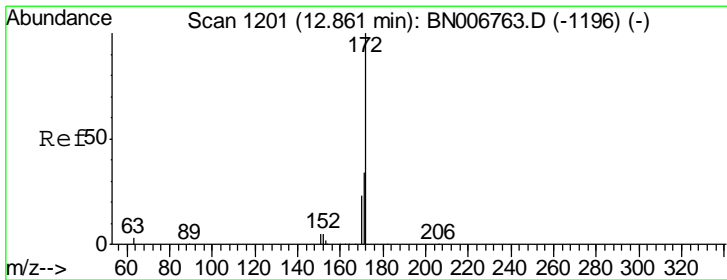
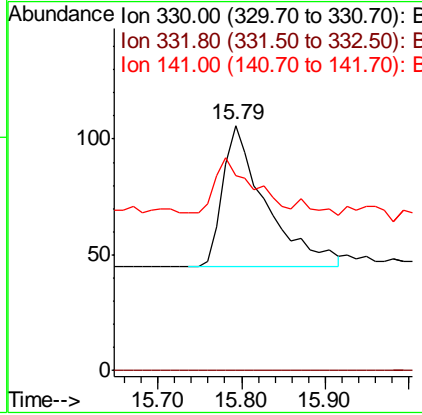
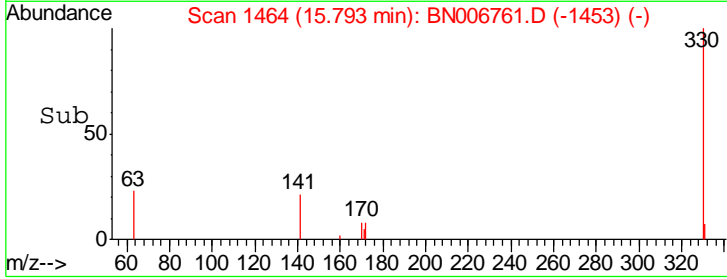
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 ClientSampled :
 SSTDICC0.1



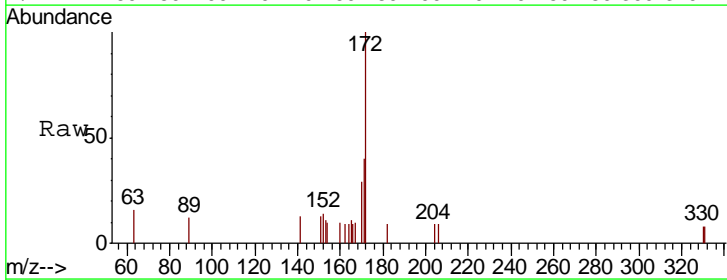
Tgt Ion	Resp	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.0	26.6	39.8

Manual Integrations
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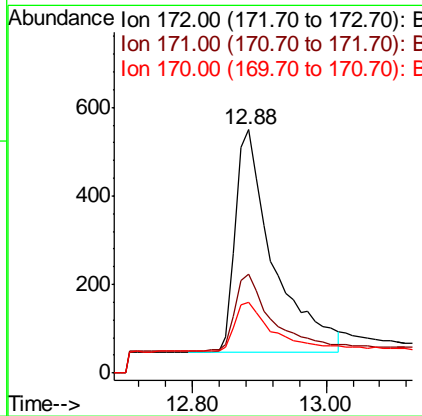
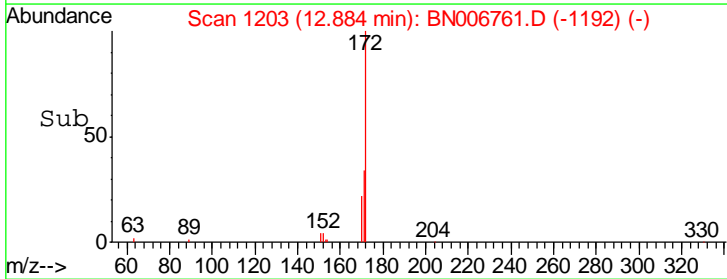
mohammad
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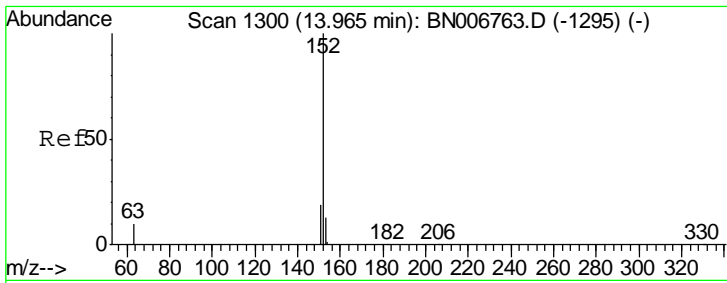


#15
 2-Fluorobiphenyl
 Concen: 0.085 ng
 RT: 12.88 min Scan# 1203
 Delta R.T. 0.02 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41



Tgt Ion	Resp	Lower	Upper
172	100		
171	40.4	27.8	41.6
170	28.9	19.0	28.6#



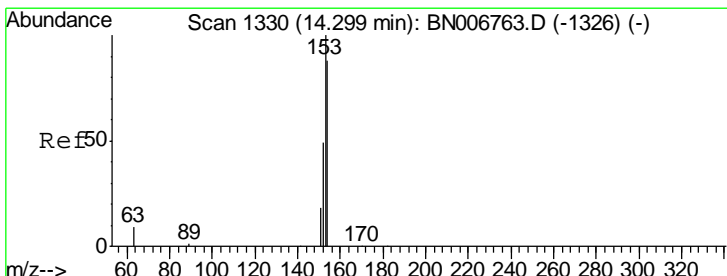
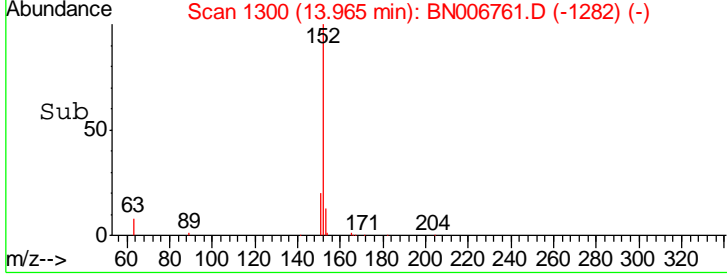
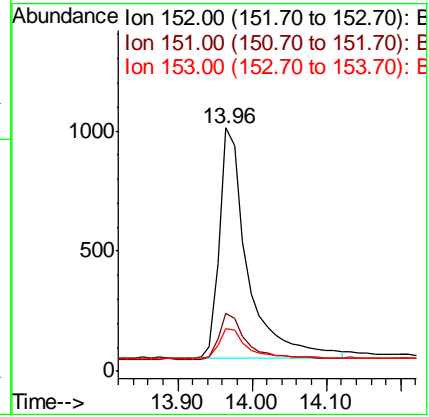
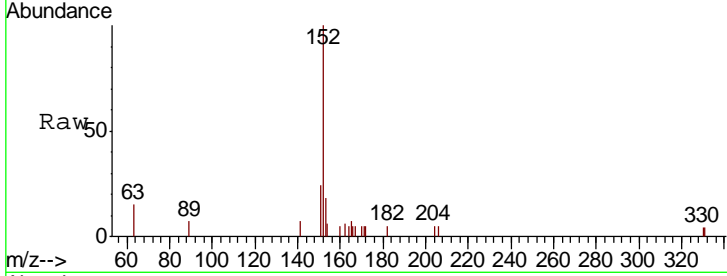


#16
 Acenaphthylene
 Concen: 0.085 ng
 RT: 13.96 min Scan# 1300
 Delta R.T. -0.00 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Instrument :
 BNA_N
 ClientSampled :
 SSTDICC0.1

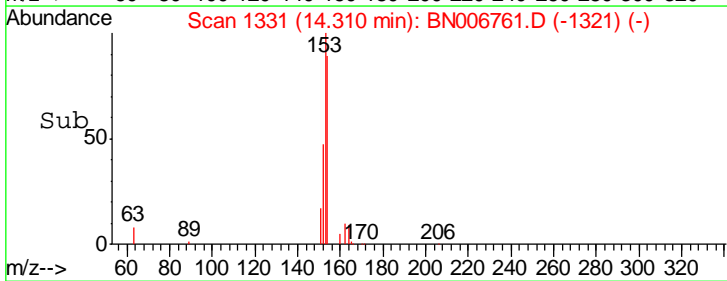
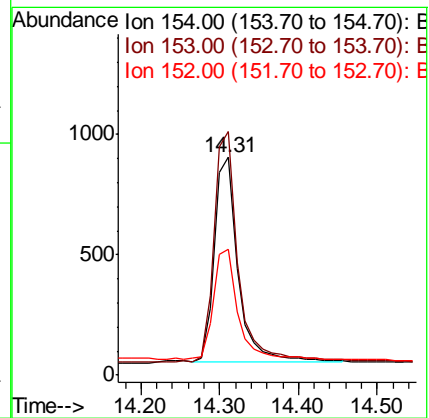
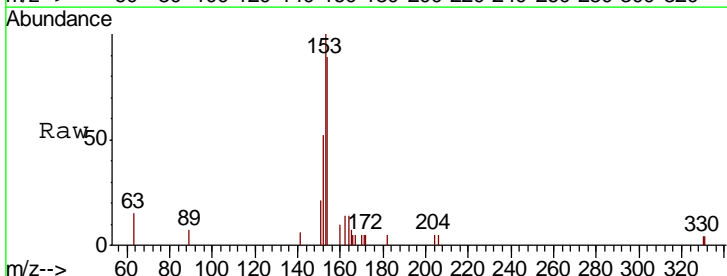
Tgt Ion	Resp	Lower	Upper
152	2522		
151	18.9	15.8	23.8
153	13.2	10.5	15.7

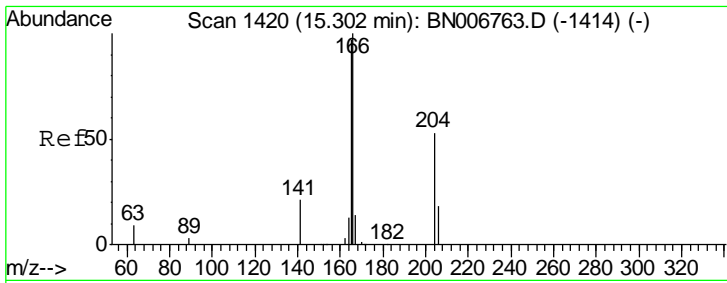
Manual Integrations
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#17
 Acenaphthene
 Concen: 0.096 ng
 RT: 14.31 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Tgt Ion	Resp	Lower	Upper
154	1805		
153	114.5	90.8	136.2
152	55.4	44.9	67.3





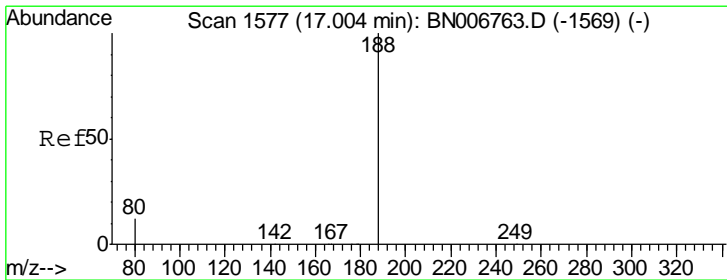
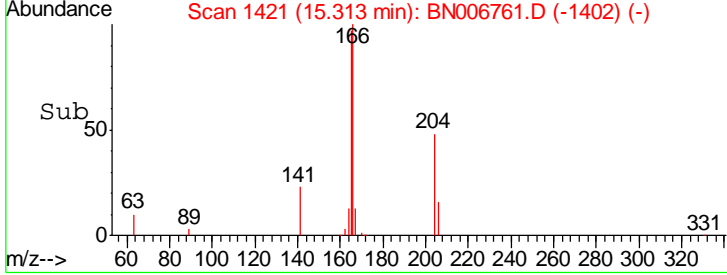
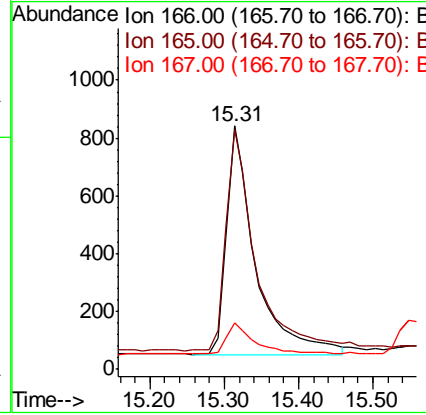
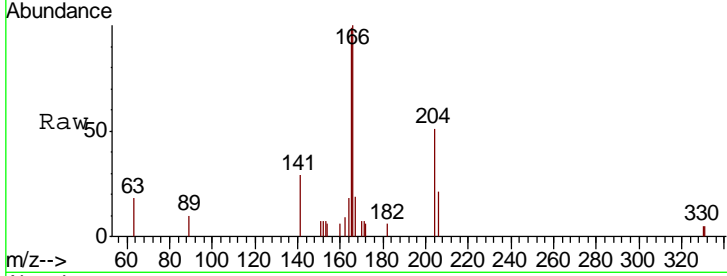
#18
 Fluorene
 Concen: 0.091 ng
 RT: 15.31 min Scan# 1421
 Delta R.T. 0.01 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Instrument :
 BNA_N
 ClientSampled :
 SSTDICC0.1

Tgt Ion	Resp	Lower	Upper
166	2125		
165	98.5	78.2	117.4
167	12.7	10.9	16.3

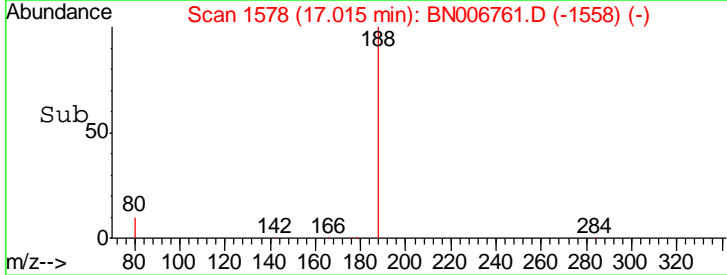
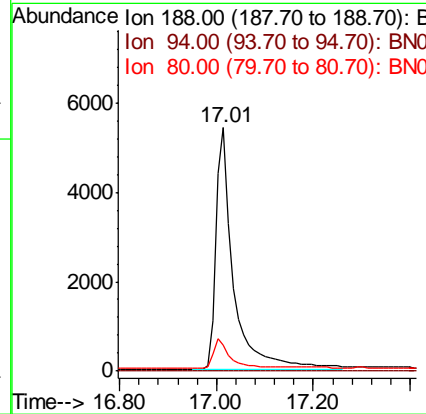
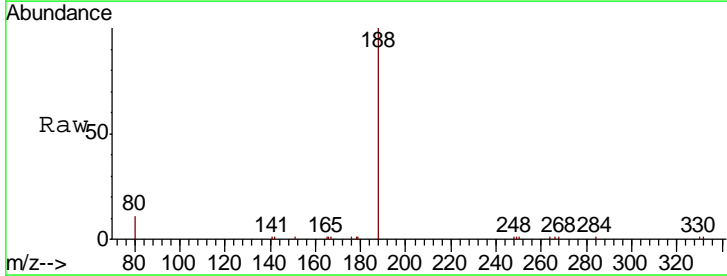
Manual Integrations
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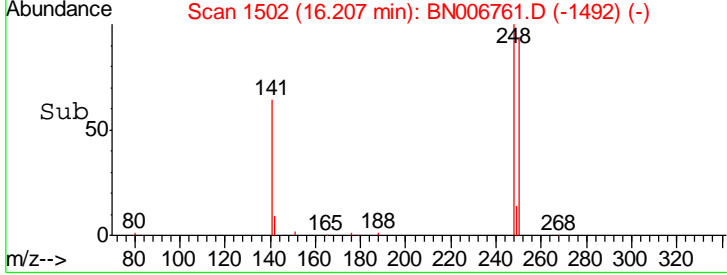
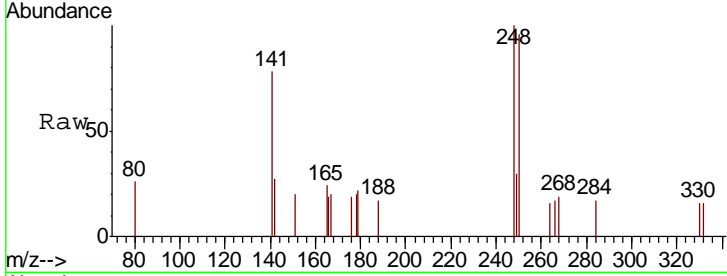
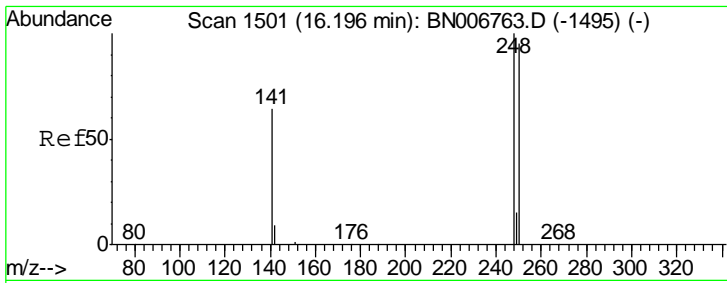
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#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.01 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Tgt Ion	Resp	Lower	Upper
188	13599		
94	0.0	0.0	0.0
80	10.9	10.1	15.1



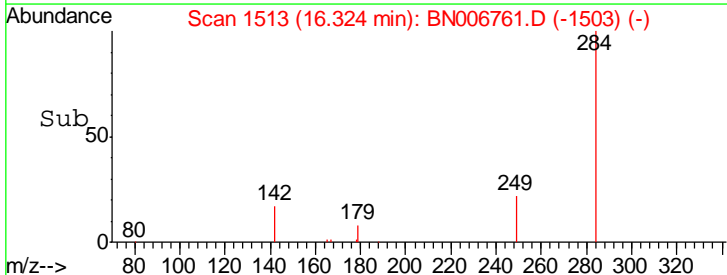
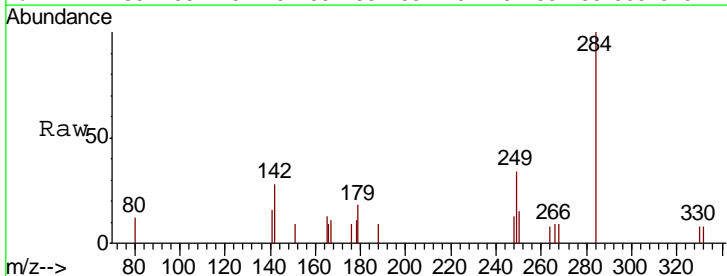
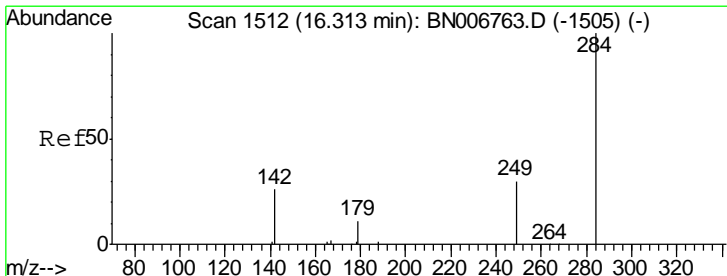
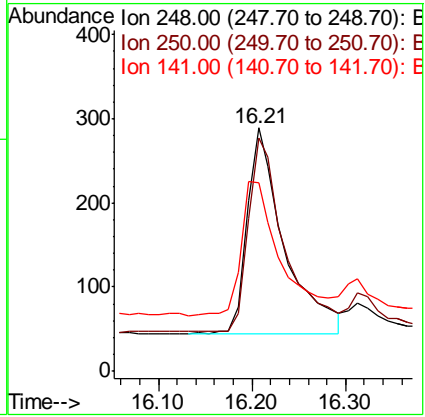


#20
 4-Bromophenyl-phenylether
 Concen: 0.083 ng
 RT: 16.21 min Scan# 1502
 Delta R.T. 0.01 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.8	76.5	114.7
141	77.5	53.2	79.8

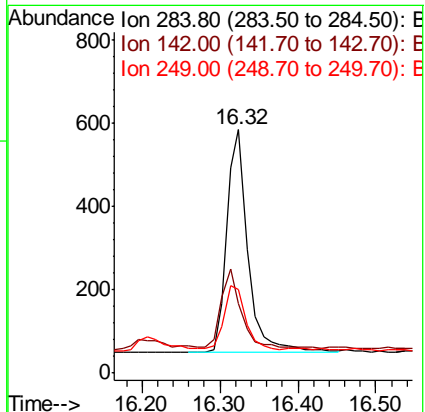
Instrument : BNA_N
 ClientSampled : SSTDICC0.1

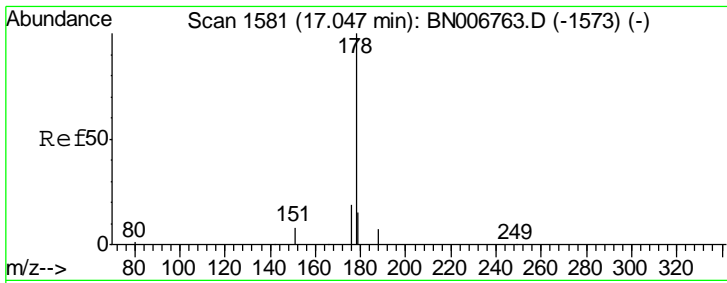
Manual Integrations
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#21
 Hexachlorobenzene
 Concen: 0.105 ng
 RT: 16.32 min Scan# 1513
 Delta R.T. 0.01 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.5	27.0	40.4
249	28.5	24.3	36.5





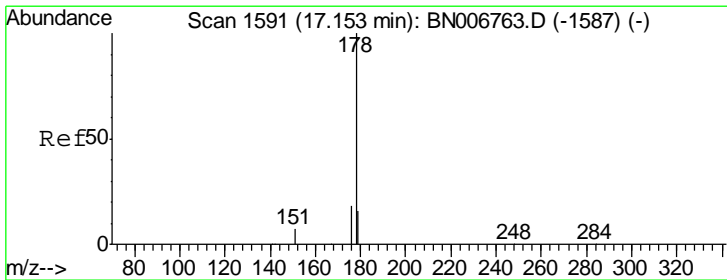
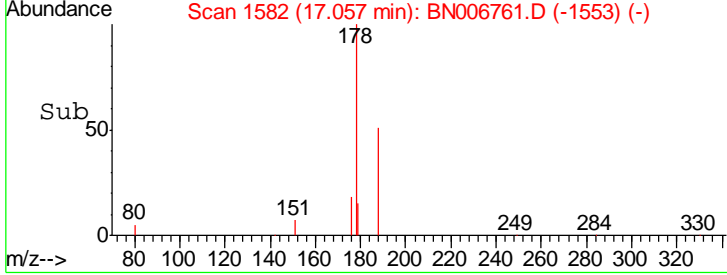
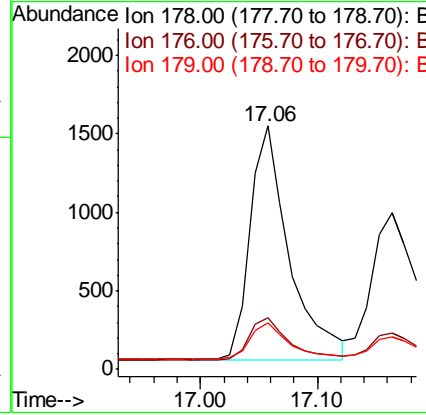
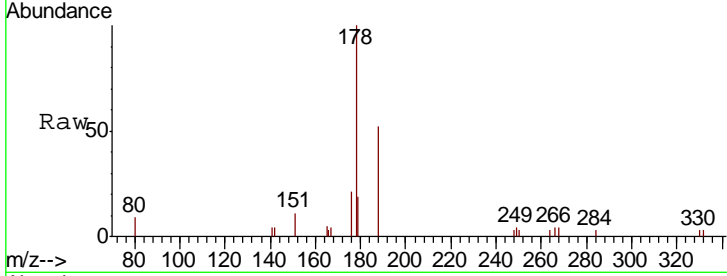
#23
 Phenanthrene
 Concen: 0.088 ng
 RT: 17.06 min Scan# 1582
 Delta R.T. 0.01 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Instrument :
 BNA_N
ClientSampled :
 SSTDICC0.1

Tgt Ion	Resp	Lower	Upper
178	3452		
176	19.2	15.4	23.0
179	15.9	12.2	18.2

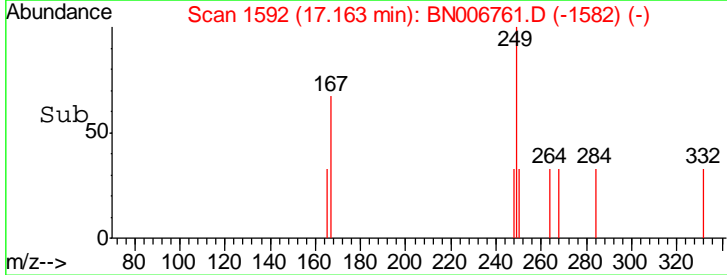
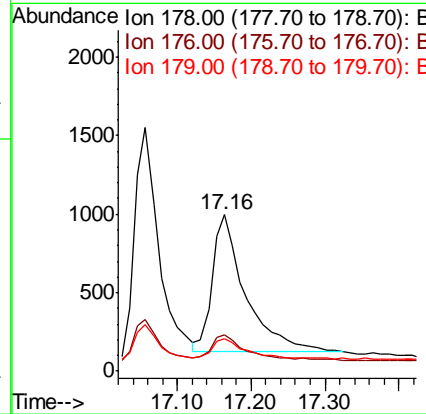
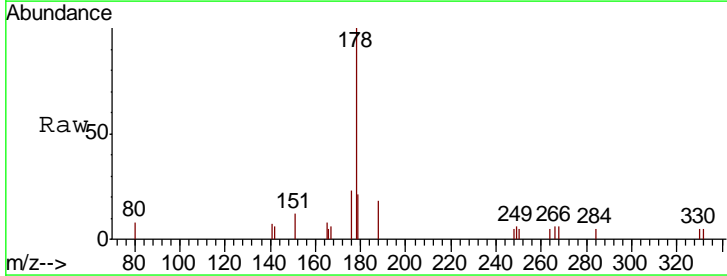
Manual Integrations
APPROVED

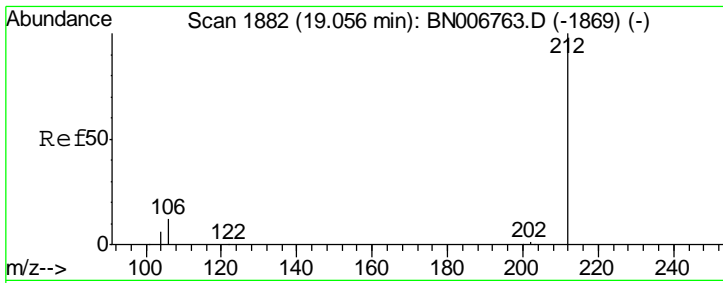
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#24
 Anthracene
 Concen: 0.078 ng
 RT: 17.16 min Scan# 1592
 Delta R.T. 0.01 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Tgt Ion	Resp	Lower	Upper
178	2751		
176	18.6	14.6	22.0
179	13.6	12.1	18.1





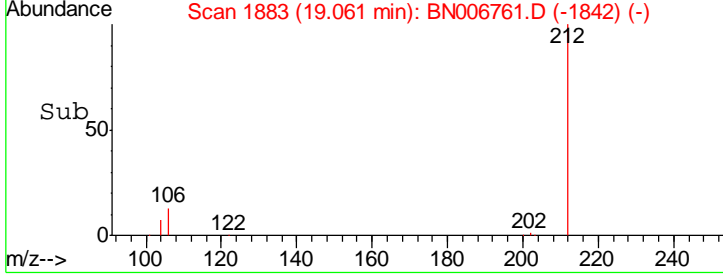
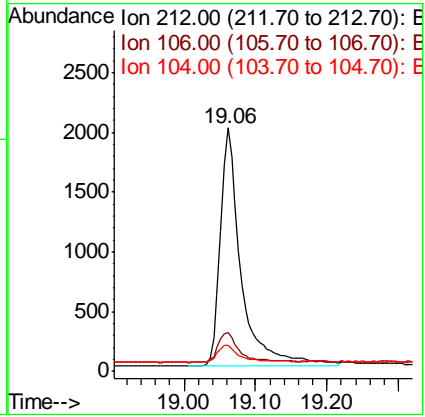
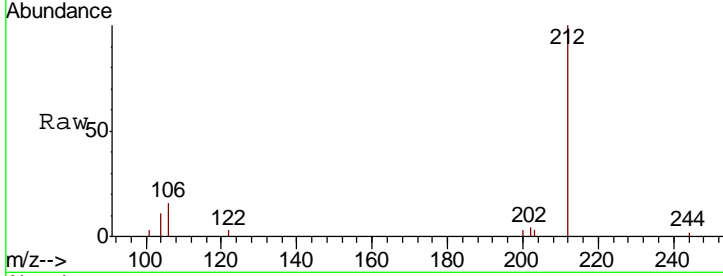
#25
 Fluoranthene-d10
 Concen: 0.103 ng
 RT: 19.06 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Instrument :
 BNA_N
 ClientSampled :
 SSTDICC0.1

Tgt Ion	Resp	Lower	Upper
212	100		
106	12.8	10.5	15.7
104	7.5	5.9	8.9

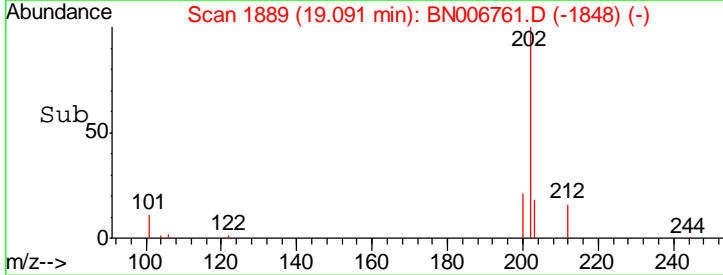
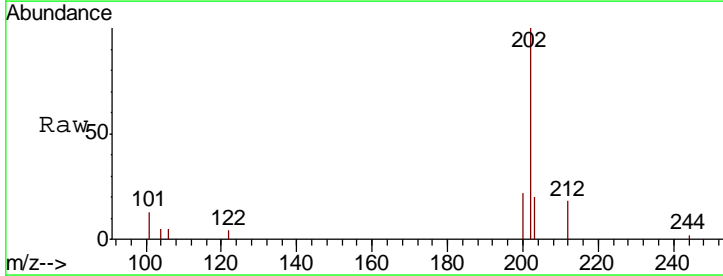
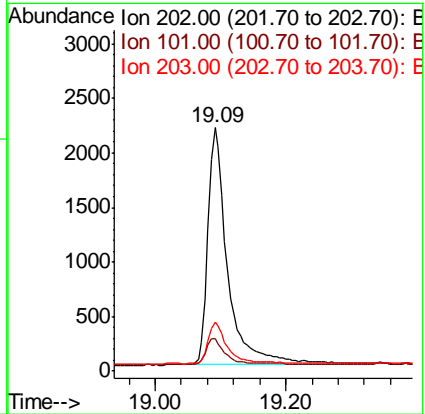
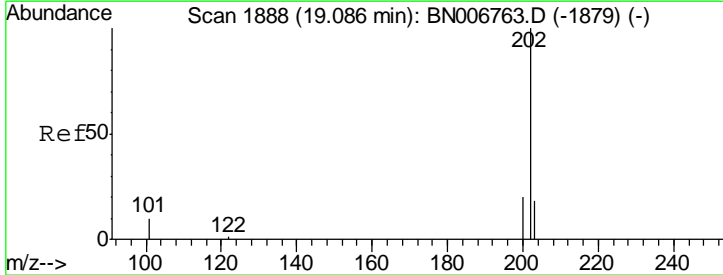
Manual Integrations
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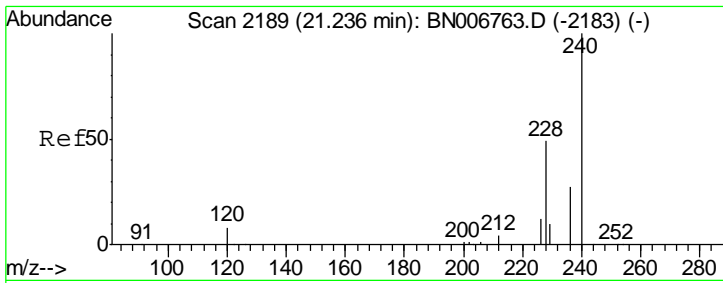
mohammad
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#26
 Fluoranthene
 Concen: 0.099 ng
 RT: 19.09 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Tgt Ion	Resp	Lower	Upper
202	100		
101	10.1	8.8	13.2
203	16.9	13.6	20.4



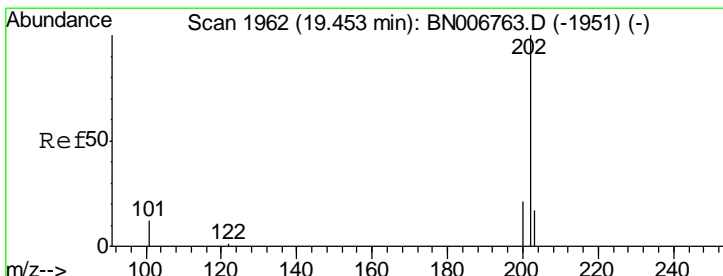
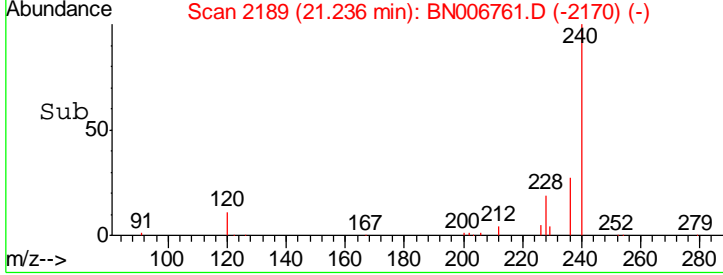
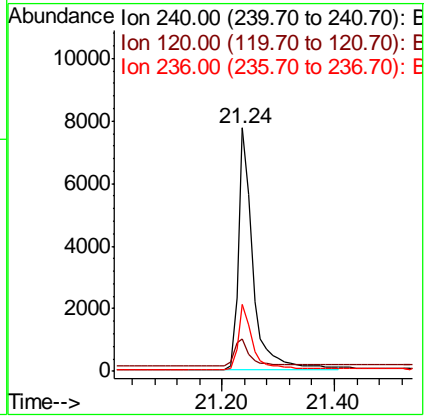
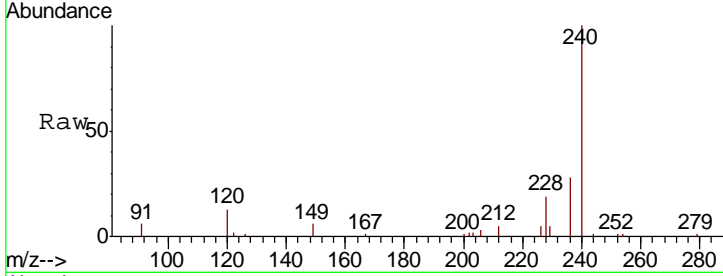


#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.24 min Scan# 2189
 Delta R.T. -0.00 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Instrument :
 BNA_N
 ClientSampled :
 SSTDICC0.1

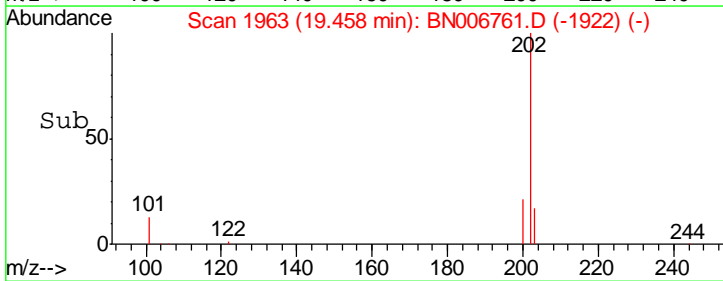
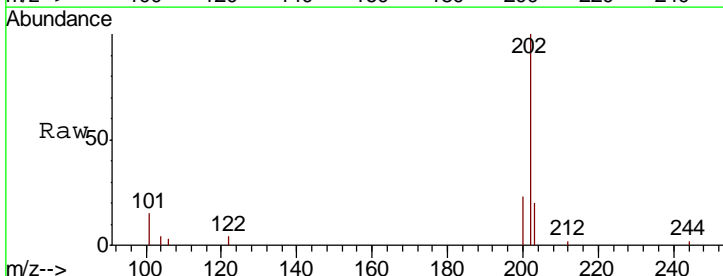
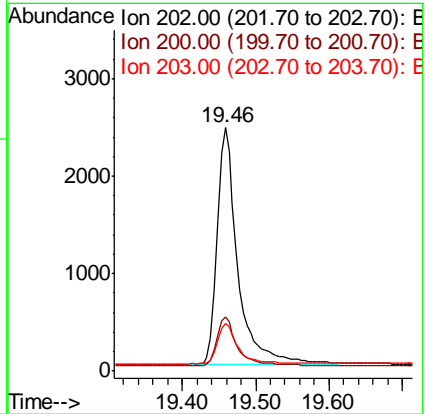
Tgt Ion	Resp	Lower	Upper
240	13846		
240	100		
120	13.3	8.1	12.1#
236	27.6	21.8	32.6

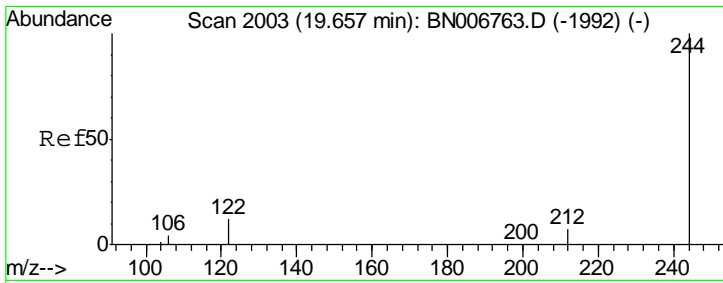
Manual Integrations
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#28
 Pyrene
 Concen: 0.086 ng
 RT: 19.46 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Tgt Ion	Resp	Lower	Upper
202	4789		
202	100		
200	20.5	16.7	25.1
203	17.4	14.0	21.0



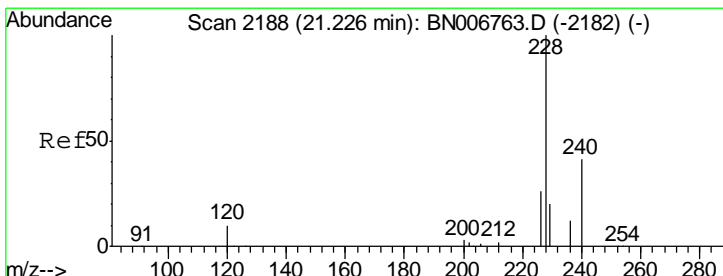
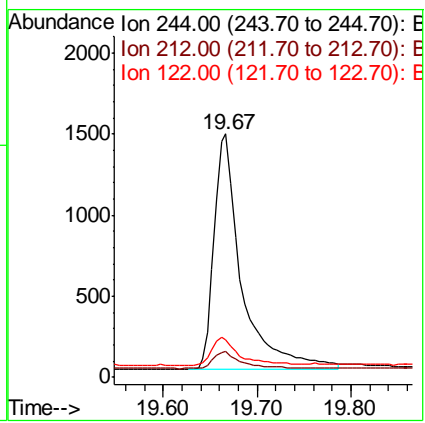
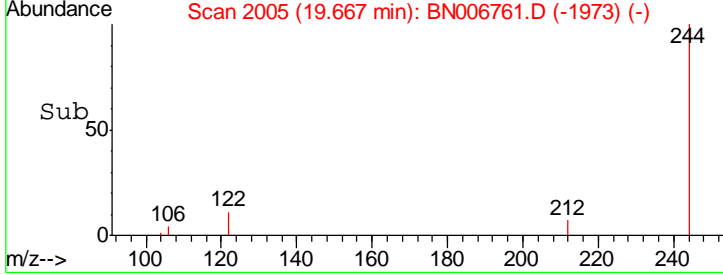
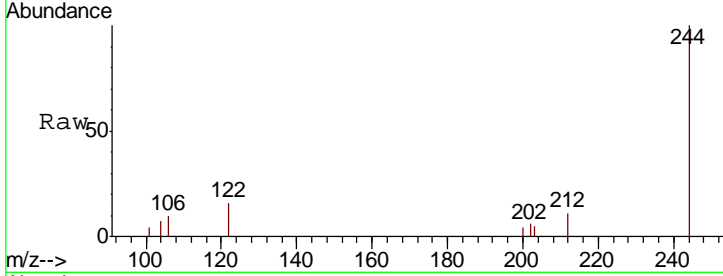


#29
 Terphenyl-d14
 Concen: 0.093 ng
 RT: 19.67 min Scan# 2005
 Delta R.T. 0.01 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Instrument :
 BNA_N
ClientSampled :
 SSTDICC0.1

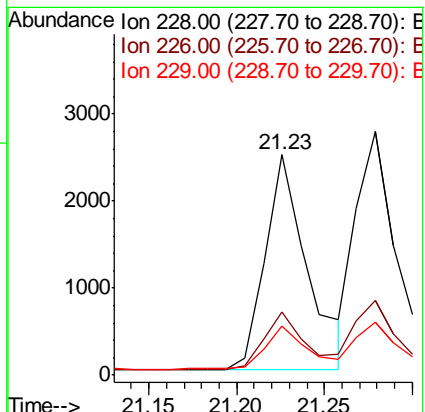
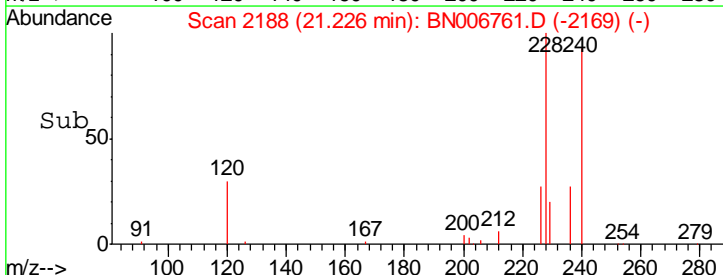
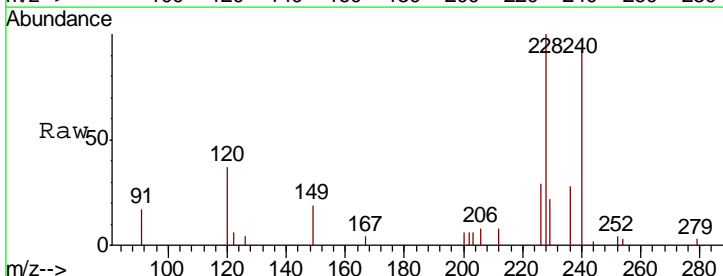
Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.5	6.3	9.5#
122	15.5	10.3	15.5#

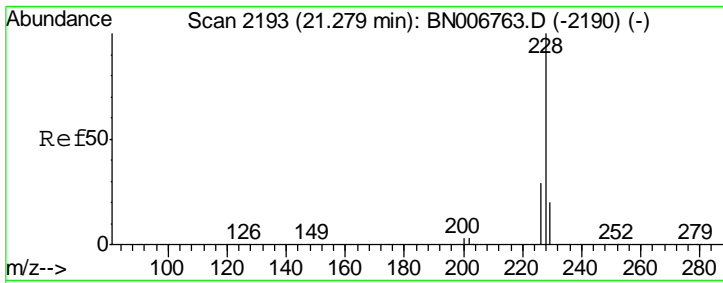
Manual Integrations
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 mohammad
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#30
 Benzo(a)anthracene
 Concen: 0.086 ng
 RT: 21.23 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.2	31.8
229	22.5	16.4	24.6



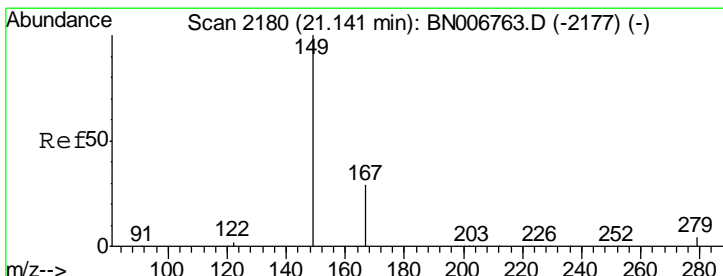
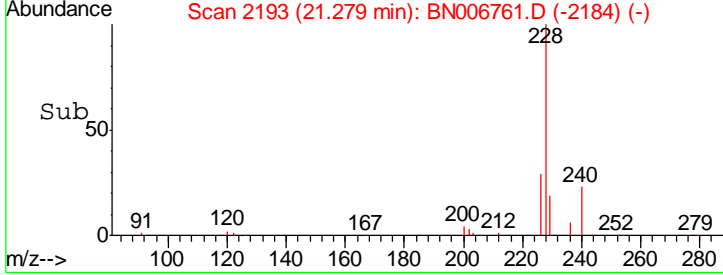
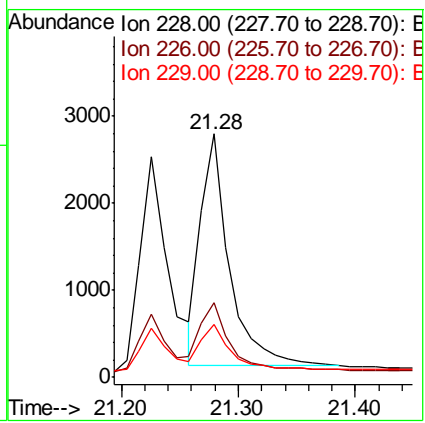
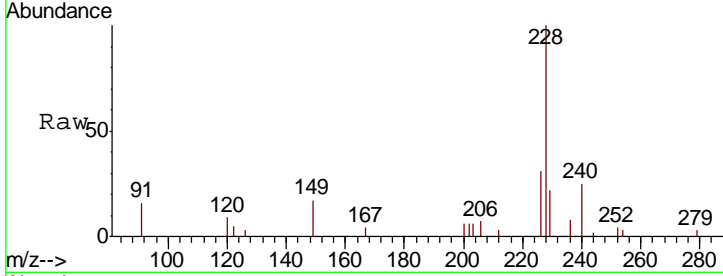


#31
 Chrysene
 Concen: 0.092 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Instrument :
 BNA_N
 ClientSampled :
 SSTDICC0.1

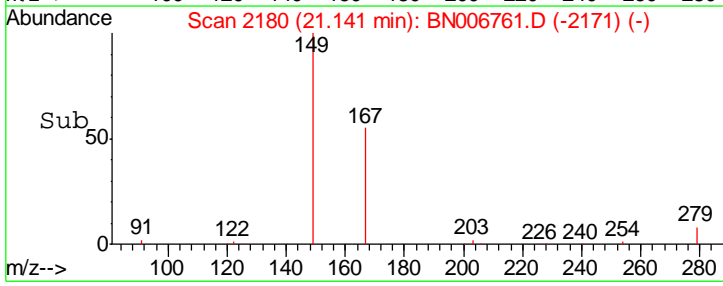
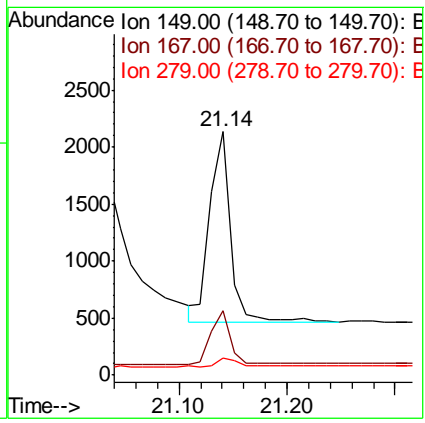
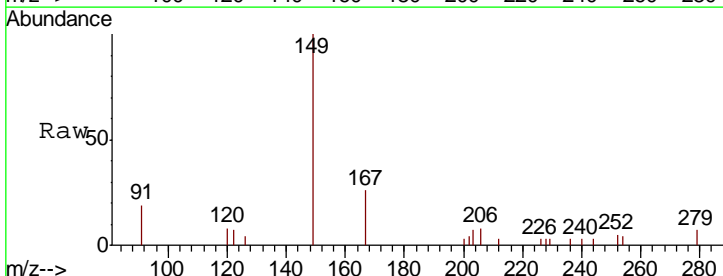
Tgt Ion	Resp	Lower	Upper
228	100		
226	30.7	23.5	35.3
229	21.6	16.0	24.0

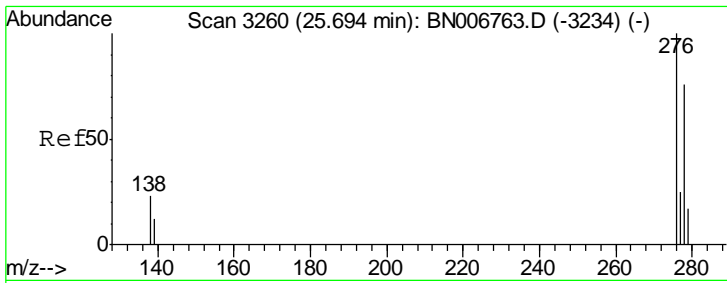
Manual Integrations
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#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.016 ng
 RT: 21.14 min Scan# 2180
 Delta R.T. -0.00 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Tgt Ion	Resp	Lower	Upper
149	100		
167	26.6	22.9	34.3
279	5.2	3.7	5.5





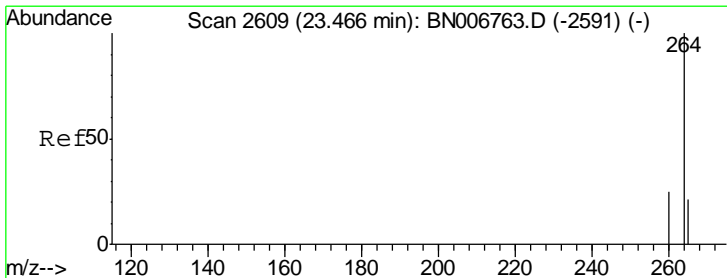
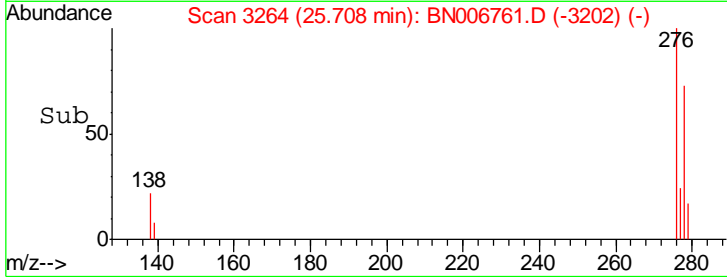
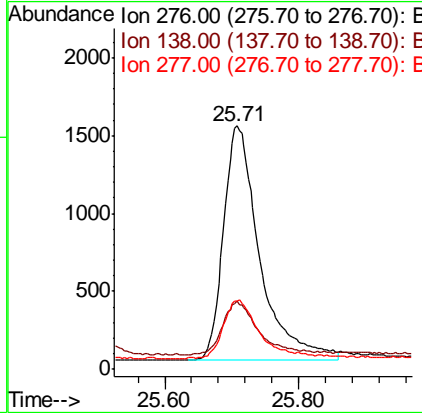
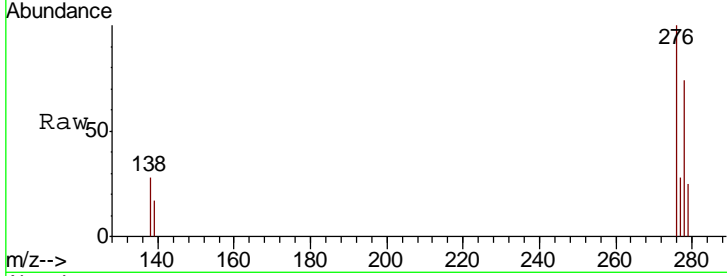
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.097 ng
 RT: 25.71 min Scan# 3264
 Delta R.T. 0.01 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Instrument :
 BNA_N
ClientSampled :
 SSTDICC0.1

Tgt Ion	Resp	Lower	Upper
276	5688		
276	100		
138	21.5	17.9	26.9
277	24.2	19.8	29.8

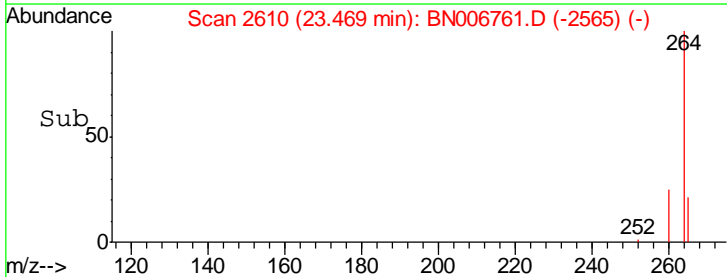
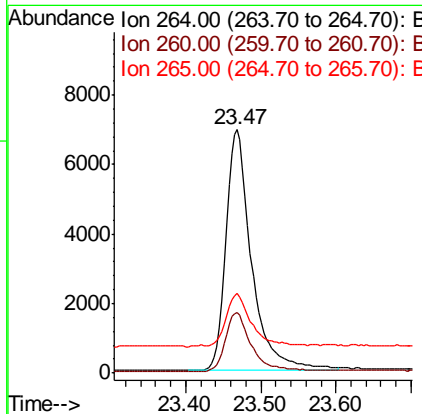
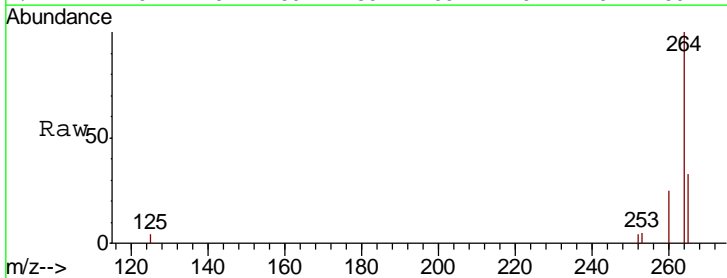
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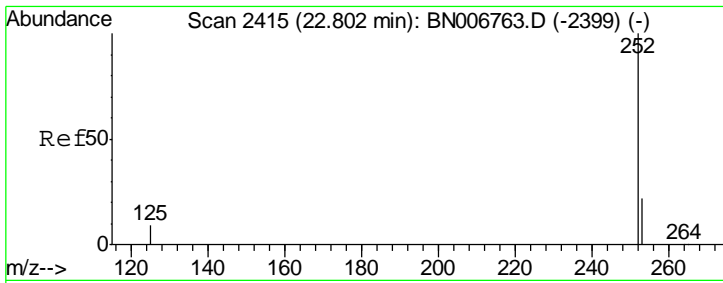
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2610
 Delta R.T. 0.00 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

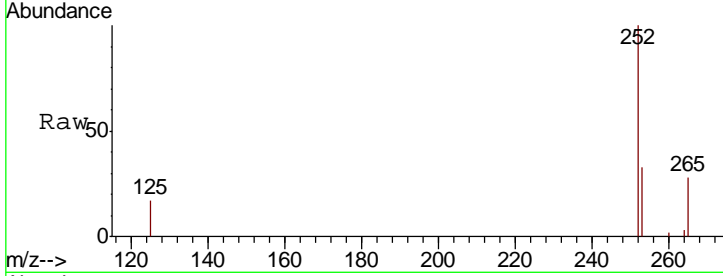
Tgt Ion	Resp	Lower	Upper
264	16240		
264	100		
260	25.1	20.2	30.4
265	32.6	24.6	37.0





#35
 Benzo(b)fluoranthene
 Concen: 0.088 ng
 RT: 22.81 min Scan# 2417
 Delta R.T. 0.01 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

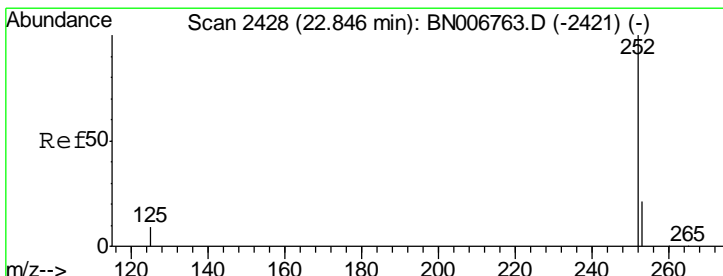
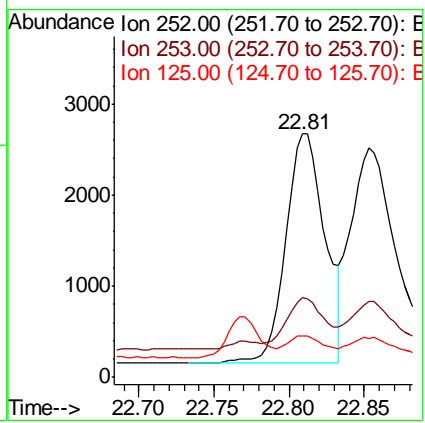
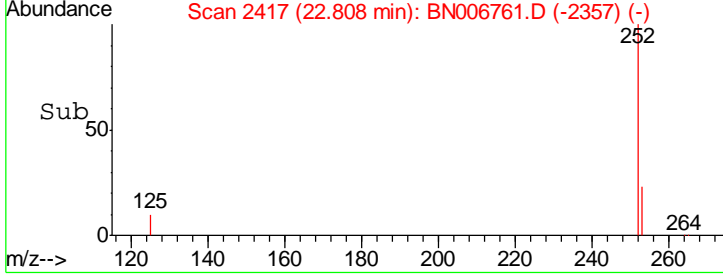
Instrument :
 BNA_N
ClientSampled :
 SSTDICC0.1



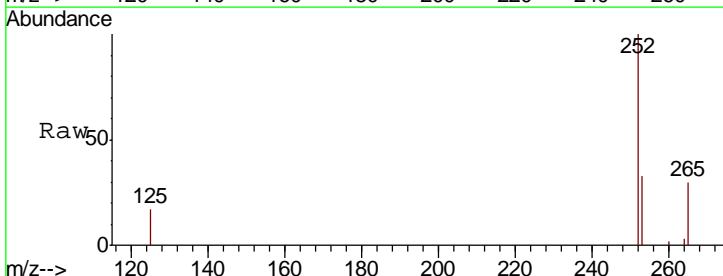
Tgt Ion: 252 Resp: 4593

Ion	Ratio	Lower	Upper
252	100		
253	32.7	18.9	28.3#
125	17.2	8.5	12.7#

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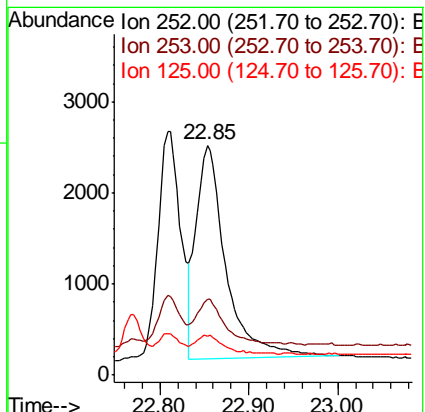
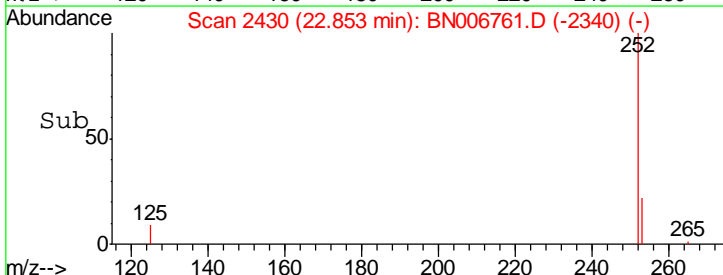


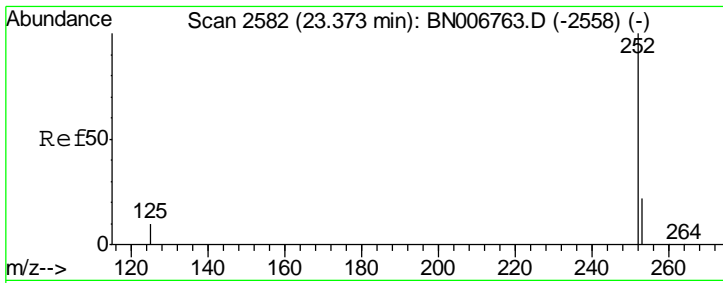
#36
 Benzo(k)fluoranthene
 Concen: 0.096 ng
 RT: 22.85 min Scan# 2430
 Delta R.T. 0.01 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41



Tgt Ion: 252 Resp: 5414

Ion	Ratio	Lower	Upper
252	100		
253	33.0	18.9	28.3#
125	17.1	8.4	12.6#



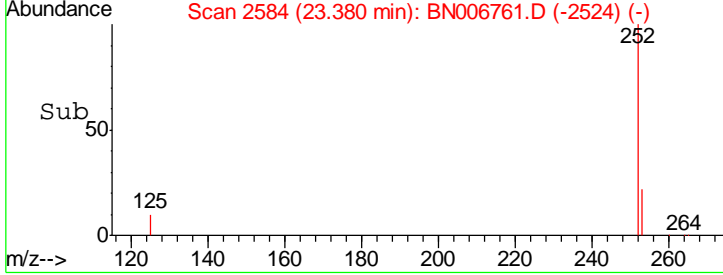
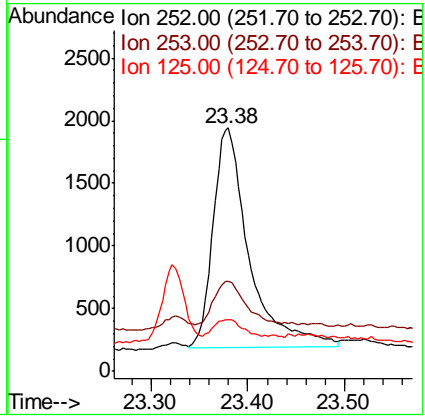
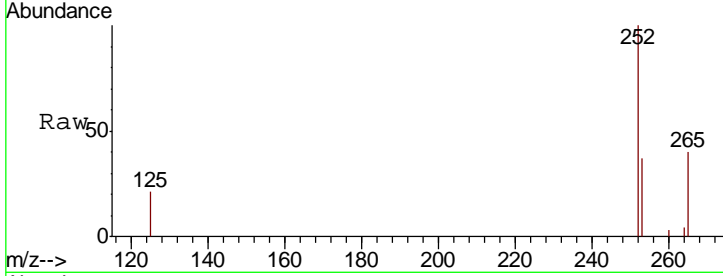


#37
 Benzo(a)pyrene
 Concen: 0.089 ng
 RT: 23.38 min Scan# 2584
 Delta R.T. 0.01 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Instrument :
 BNA_N
 ClientSampled :
 SSTDICC0.1

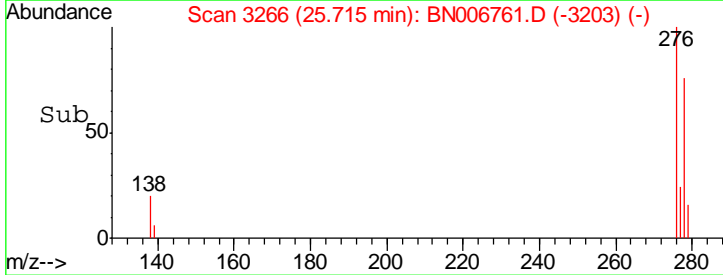
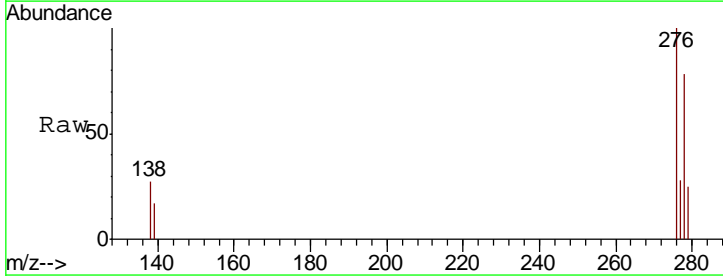
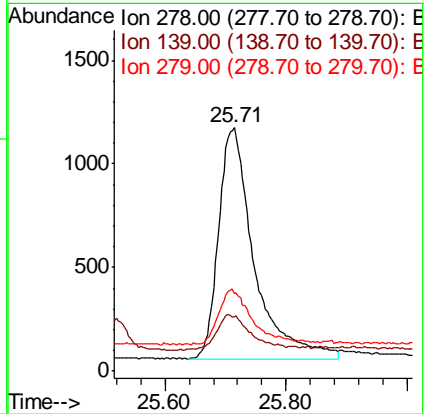
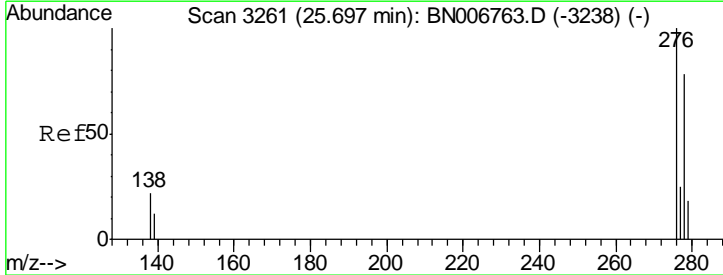
Tgt Ion	Resp	Lower	Upper
252	100		
253	37.0	19.5	29.3#
125	21.3	9.5	14.3#

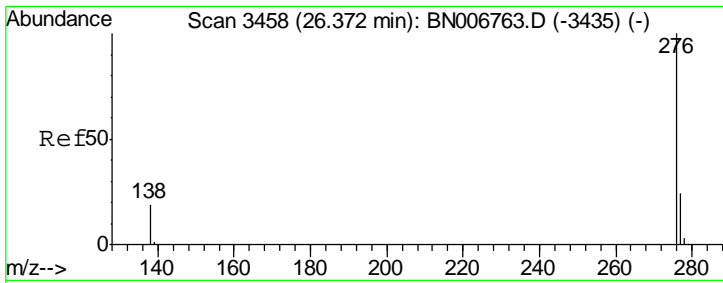
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#38
 Dibenzo(a,h)anthracene
 Concen: 0.091 ng
 RT: 25.71 min Scan# 3266
 Delta R.T. 0.02 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

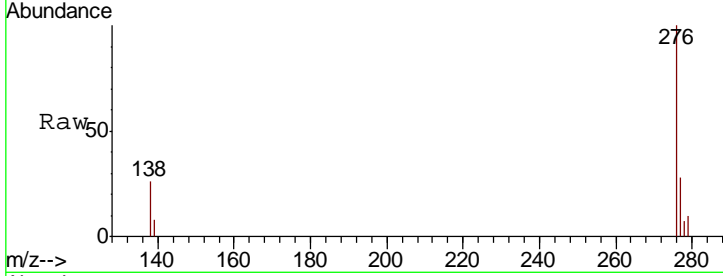
Tgt Ion	Resp	Lower	Upper
278	100		
139	22.5	13.1	19.7#
279	31.7	20.2	30.4#





#39
 Benzo(a,h,i)perylene
 Concen: 0.096 ng
 RT: 26.39 min Scan# 3462
 Delta R.T. 0.01 min
 Lab File: BN006761.D
 Acq: 09 Jul 2019 08:41

Instrument :
 BNA_N
ClientSampled :
 SSTDICC0.1



Tot Ion: 276 Resp: 4979

Ion	Ratio	Lower	Upper
276	100		
277	27.6	19.4	29.2
138	26.1	16.2	24.4

Manual Integrations
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